

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000292.D
 Acq On : 13 Mar 2018 11:33
 Operator : JC/MD
 Sample : VX0313WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Manual Integrations
 APPROVED

sam
 3/14/2018 2:11:47 PM

Quant Time: Mar 13 14:32:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	159214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	265471	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	265917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151965	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	102410	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
35) Dibromofluoromethane	5.51	113	79995	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	8.73	98	317313	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
62) 4-Bromofluorobenzene	11.15	95	121822	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	30925	17.83	ug/l	97
3) Chloromethane	1.32	50	32350	19.10	ug/l	100
4) Vinyl Chloride	1.41	62	39226	19.87	ug/l	99
5) Bromomethane	1.64	94	33299	15.48	ug/l	97
6) Chloroethane	1.73	64	24828	19.89	ug/l	98
7) Trichlorofluoromethane	1.93	101	69120	21.11	ug/l	95
8) Diethyl Ether	2.20	74	26297	21.88	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	38546	21.08	ug/l	97
10) Methyl Iodide	2.51	142	33706	19.60	ug/l	99
11) Tert butyl alcohol	3.08	59	72361	89.23	ug/l	100
12) 1,1-Dichloroethene	2.38	96	35754	21.29	ug/l	96
13) Acrolein	2.30	56	39004	91.48	ug/l	98
14) Allyl chloride	2.73	41	61035	19.68	ug/l	99
15) Acrylonitrile	3.16	53	139266	98.68	ug/l	99
16) Acetone	2.45	43	153463	96.82	ug/l	100
17) Carbon Disulfide	2.57	76	82650	17.96	ug/l	97
18) Methyl Acetate	2.79	43	66703	19.76	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	131762	22.03	ug/l	100
20) Methylene Chloride	2.87	84	39779	21.04	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	39005	21.12	ug/l	97
22) Diisopropyl ether	3.89	45	97867	18.37	ug/l	95
23) Vinyl Acetate	3.84	43	526443	102.54	ug/l	100
24) 1,1-Dichloroethane	3.70	63	69366	21.24	ug/l	96
25) 2-Butanone	4.73	43	182647	93.38	ug/l	95
26) 2,2-Dichloropropane	4.60	77	50429	21.13	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	35885	20.49	ug/l	98
28) Bromochloromethane	5.03	49	30689	22.11	ug/l	98
29) Tetrahydrofuran	5.19	42	111746	90.96	ug/l	98
30) Chloroform	5.23	83	64764	20.51	ug/l	98
31) Cyclohexane	5.58	56	48459	20.07	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	57420	20.98	ug/l	99
36) 1,1-Dichloropropene	5.81	75	47513	20.11	ug/l	99
37) Ethyl Acetate	4.88	43	63575	18.62	ug/l	99
38) Carbon Tetrachloride	5.79	117	47917	20.04	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	55071	19.00	ug/l	97
40) Benzene	6.15	78	138168	20.28	ug/l	97
41) Methacrylonitrile	5.07	41	32927	18.92	ug/l	98
42) 1,2-Dichloroethane	6.21	62	54278	20.31	ug/l	98
43) Isopropyl Acetate	6.48	43	93804	19.01	ug/l	99
44) Trichloroethene	7.22	130	39410	20.21	ug/l	100
45) 1,2-Dichloropropane	7.53	63	34705	20.11	ug/l	99
46) Dibromomethane	7.67	93	27489	20.14	ug/l	97
47) Bromodichloromethane	7.91	83	48453	20.18	ug/l	97
48) Methyl methacrylate	7.79	41	45646	18.78	ug/l	99
49) 1,4-Dioxane	7.77	88	21602	391.43	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	354200	95.08	ug/l	98
52) Toluene	8.79	92	94529	20.25	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	56975	20.13	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	54925	20.06	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	39145	20.70	ug/l	97
56) Ethyl methacrylate	9.20	69	58097	20.53	ug/l	99
57) 1,3-Dichloropropane	9.38	76	63915	20.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	138198	96.72	ug/l	98
59) 2-Hexanone	9.51	43	293530	92.41	ug/l	99
60) Dibromochloromethane	9.59	129	39301	19.71	ug/l	99
61) 1,2-Dibromoethane	9.68	107	42663	20.31	ug/l	100
64) Tetrachloroethene	9.34	164	40270	21.64	ug/l	96
65) Chlorobenzene	10.15	112	112065	20.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	37537	20.45	ug/l	99
67) Ethyl Benzene	10.26	91	187632	20.02	ug/l	100
68) m/p-Xylenes	10.37	106	148118	41.06	ug/l	100
69) o-Xylene	10.71	106	71811	20.71	ug/l	98
70) Styrene	10.72	104	117319	20.40	ug/l	99
71) Bromoform	10.87	173	30299	18.28	ug/l #	99
73) Isopropylbenzene	11.02	105	198310	20.84	ug/l	99
74) N-amyl acetate	6.48	43	93804	19.27	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	66656	19.98	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	60046m	19.71	ug/l	
77) Bromobenzene	11.26	156	50319	20.46	ug/l	99
78) n-propylbenzene	11.37	91	227836	20.35	ug/l	100
79) 2-Chlorotoluene	11.43	91	131255	20.78	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	165146	20.79	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	17546	17.64	ug/l	91
82) 4-Chlorotoluene	11.52	91	158995	20.70	ug/l	100
83) tert-Butylbenzene	11.78	119	163854	21.20	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	171888	21.04	ug/l	99
85) sec-Butylbenzene	11.96	105	204317	20.90	ug/l	100
86) p-Isopropyltoluene	12.07	119	184470	21.40	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	98538	21.07	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	102361	20.88	ug/l	99
89) n-Butylbenzene	12.40	91	173884	20.94	ug/l	99
90) Hexachloroethane	12.60	117	26207	18.87	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	98094	21.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17860	19.07	ug/l	97

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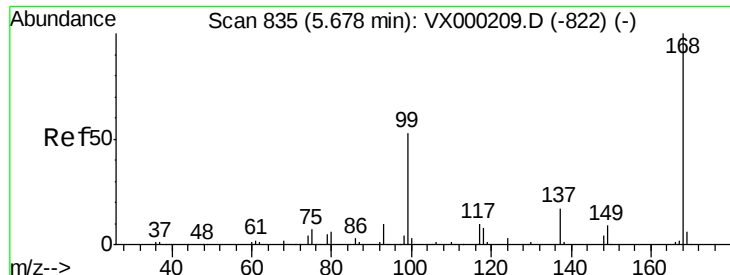
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	71112	21.11	ug/l	99
94) Hexachlorobutadiene	13.79	225	26367	18.81	ug/l	98
95) Naphthalene	13.84	128	246300	20.95	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	68758	20.63	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion:168 Resp: 159214

Ion Ratio Lower Upper

168 100

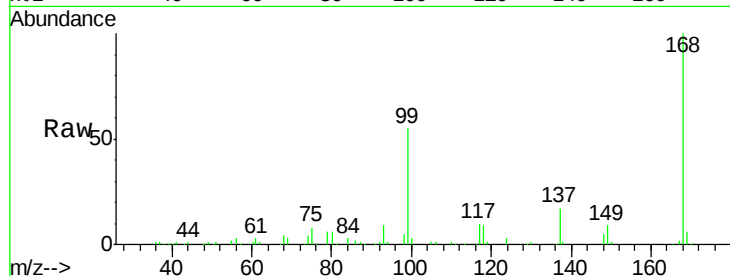
99 54.6 42.8 64.2

Manual Integrations

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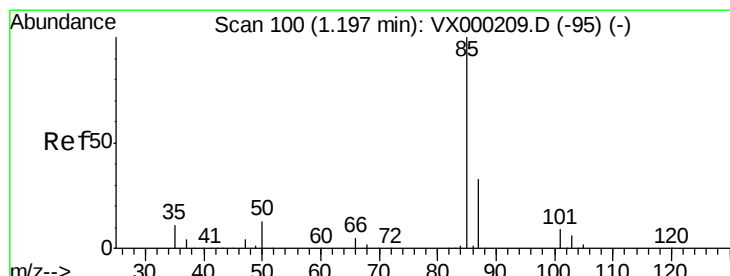
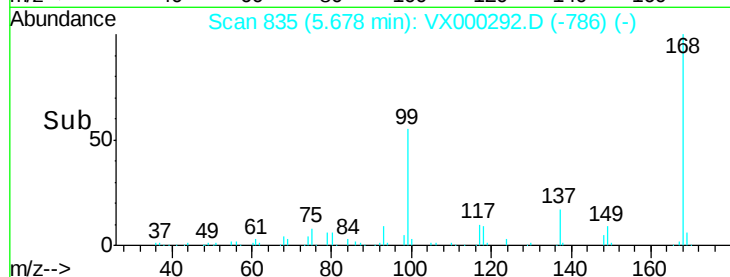
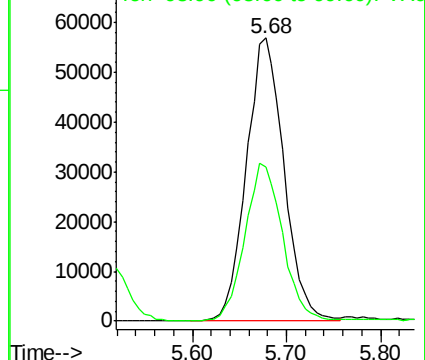
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.83 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000292.D

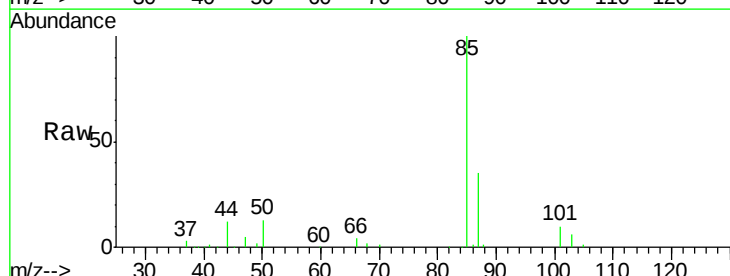
Acq: 13 Mar 2018 11:33

Tgt Ion: 85 Resp: 30925

Ion Ratio Lower Upper

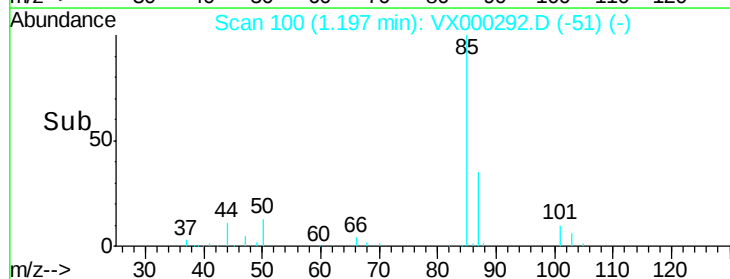
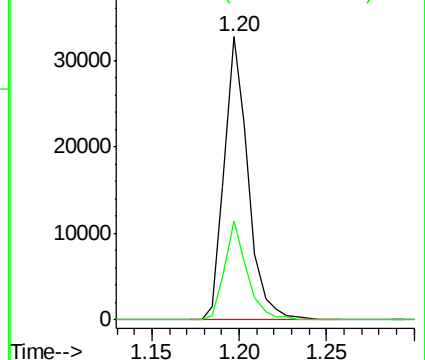
85 100

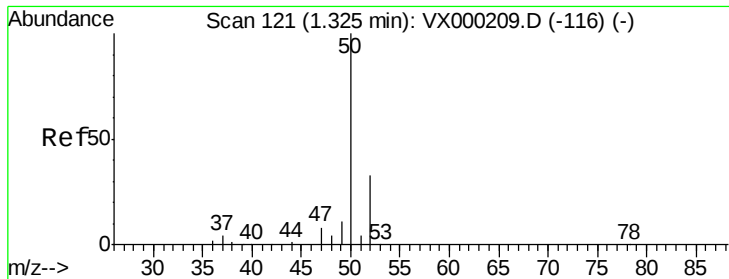
87 34.9 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.10 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion: 50 Resp: 32350

Ion Ratio Lower Upper

50 100

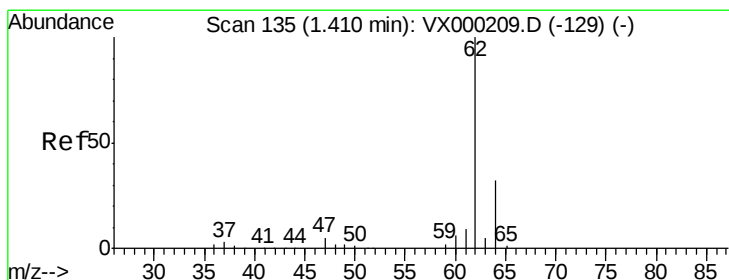
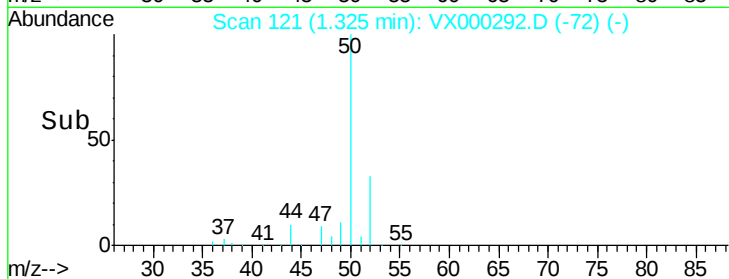
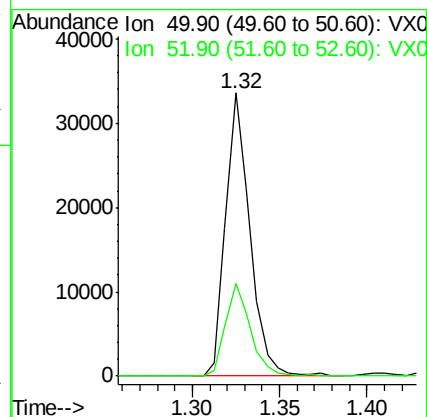
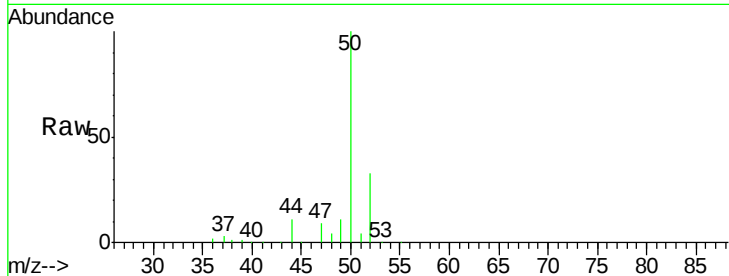
52 32.7 26.2 39.2

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#4

Vinyl Chloride

Concen: 19.87 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000292.D

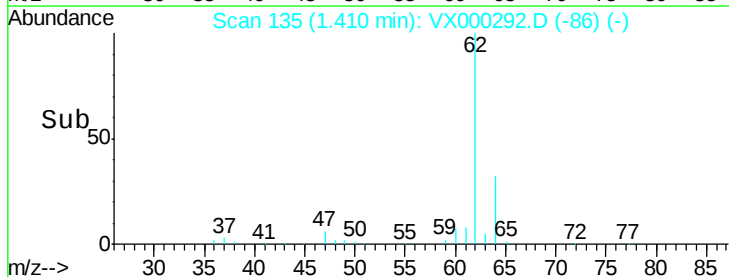
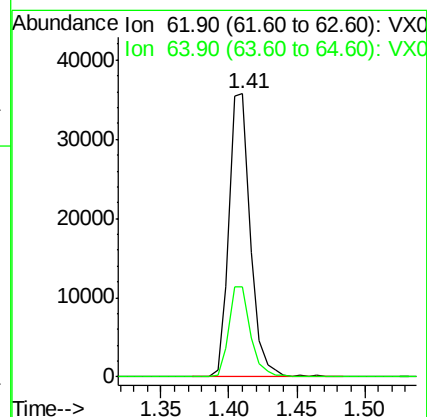
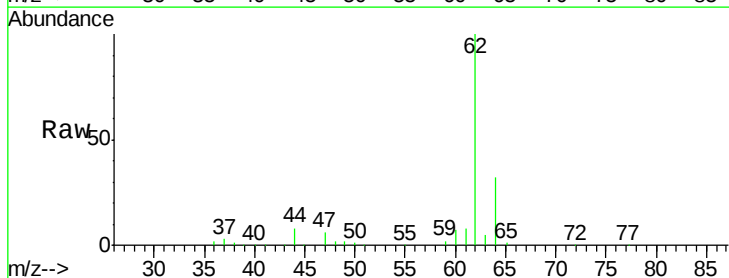
Acq: 13 Mar 2018 11:33

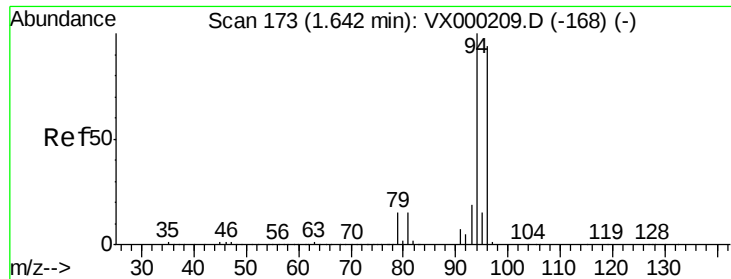
Tgt Ion: 62 Resp: 39226

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 15.48 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion: 94 Resp: 33299

Ion Ratio Lower Upper

94 100

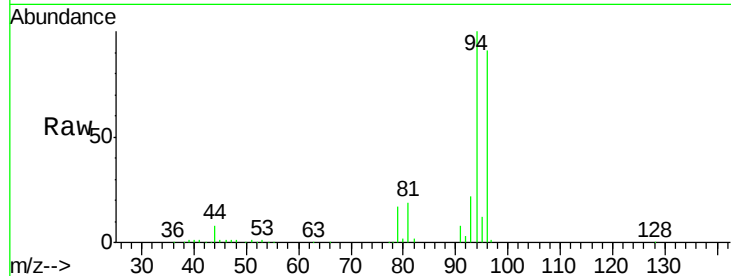
96 91.0 75.3 112.9

Manual Integrations

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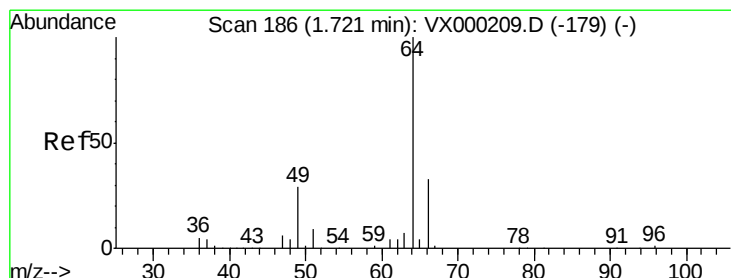
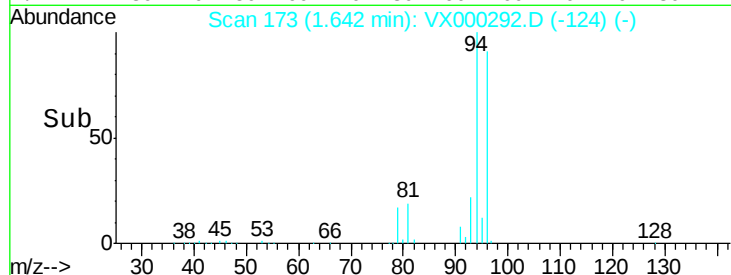
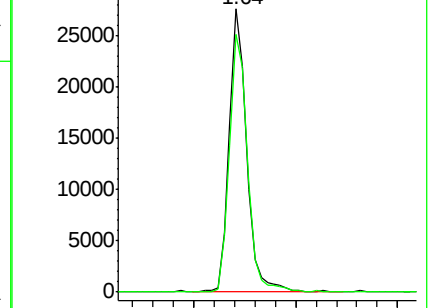
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.89 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX000292.D

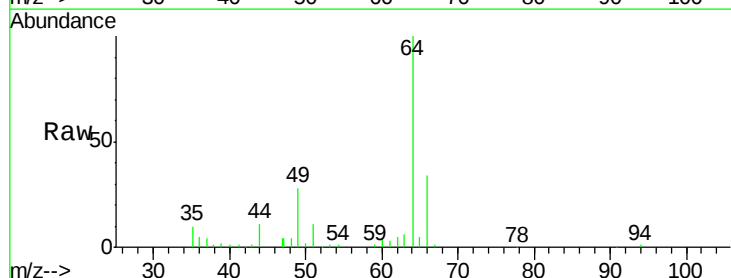
Acq: 13 Mar 2018 11:33

Tgt Ion: 64 Resp: 24828

Ion Ratio Lower Upper

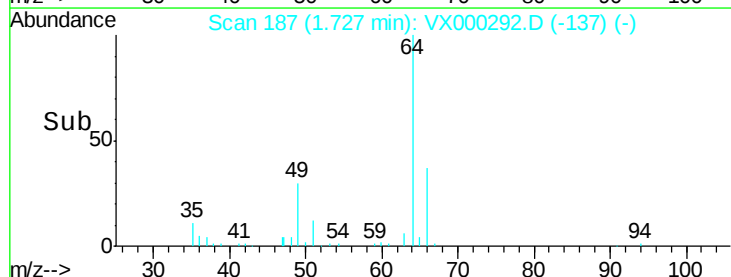
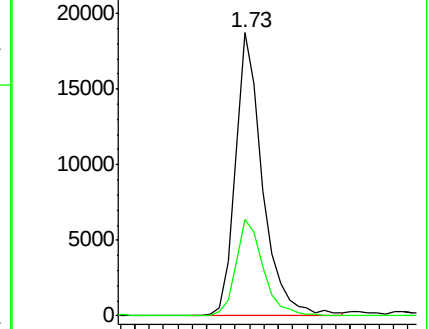
64 100

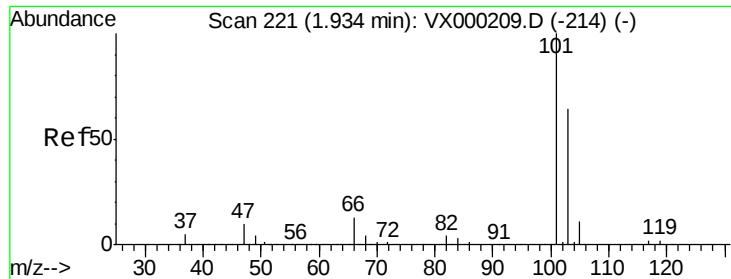
66 34.0 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

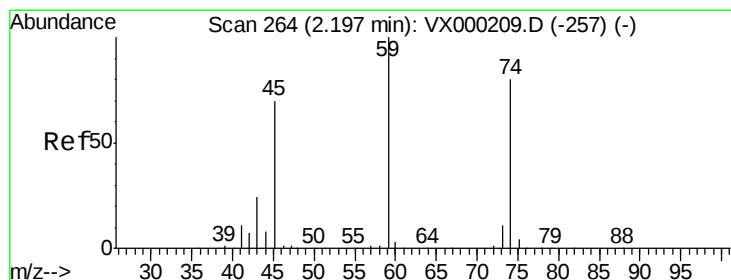
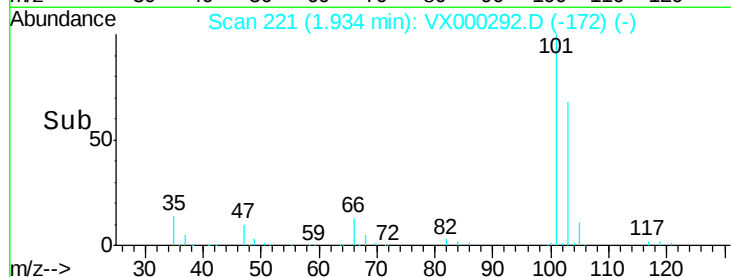
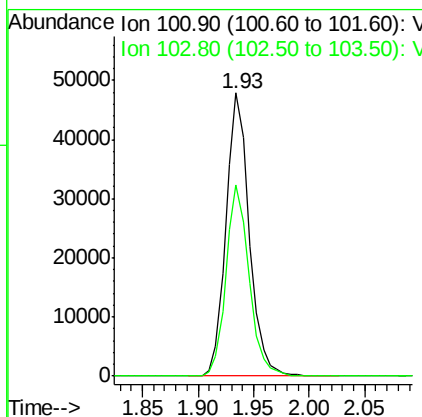
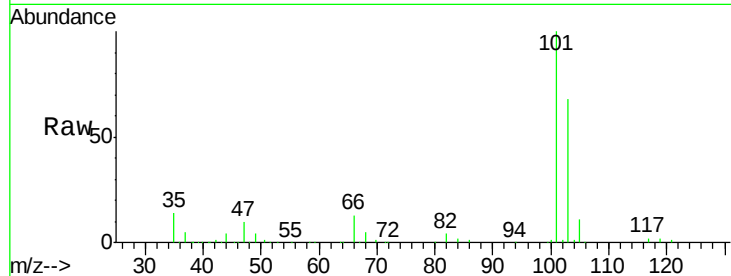
Trichlorofluoromethane
 Concen: 21.11 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Instrument :
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 VX0313WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.7	51.2	76.8

Manual Integrations
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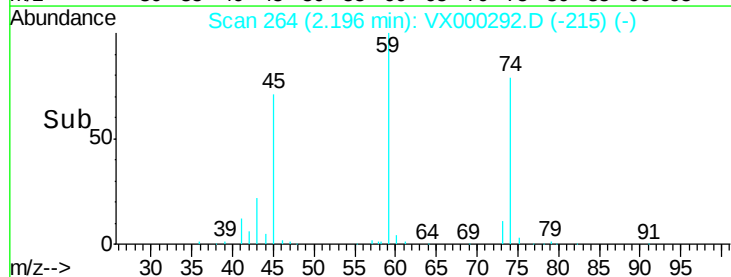
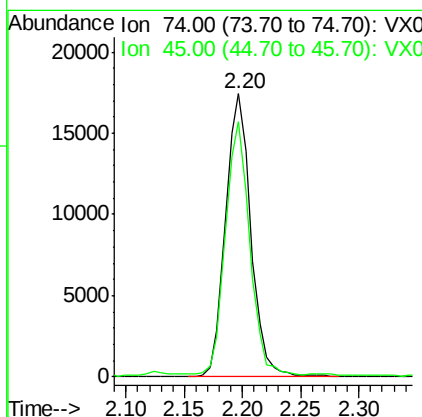
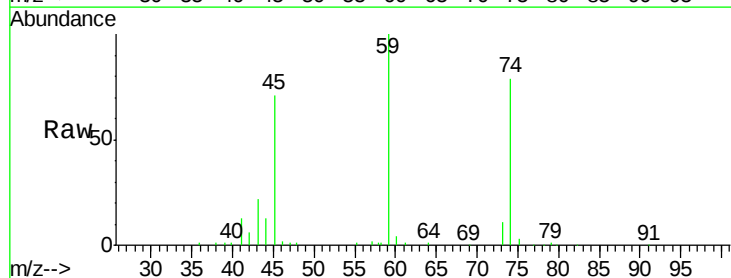
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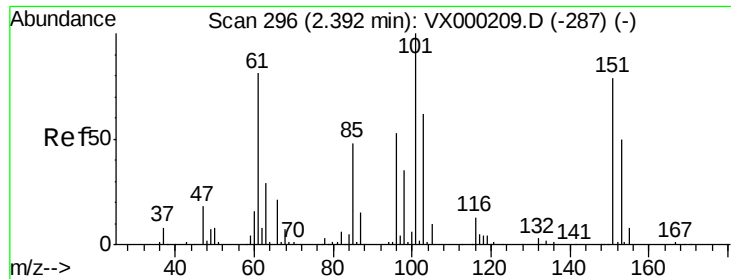


#8

Diethyl Ether
 Concen: 21.88 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.7	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.08 ug/l

RT: 2.39 min Scan# 296

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

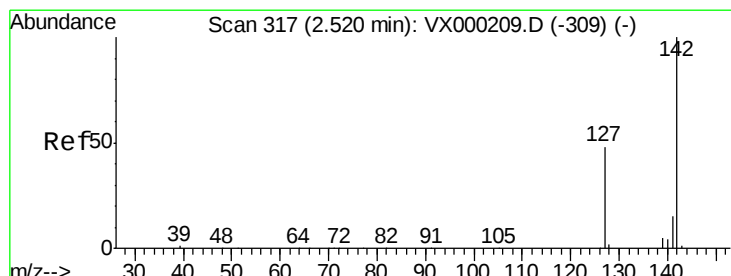
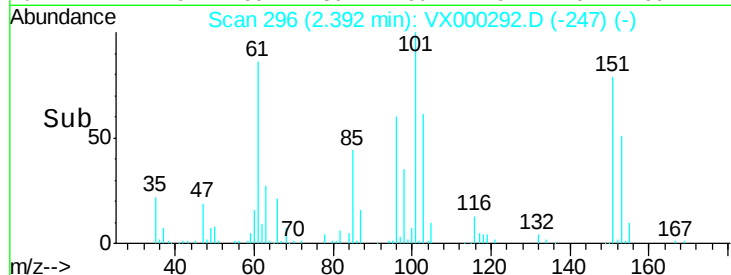
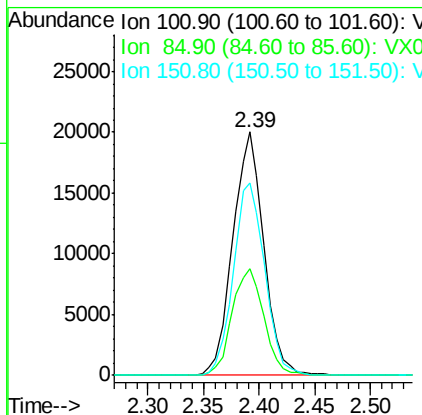
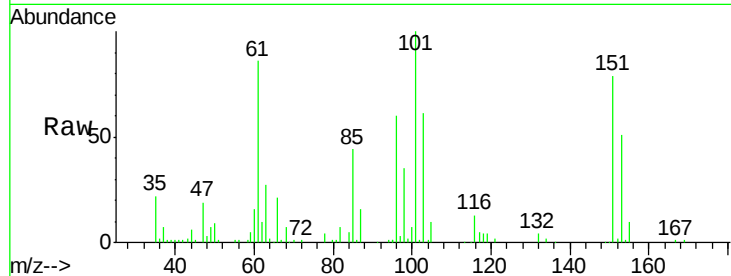
ClientSampleId :

VX0313WBS01

Tot Ion:	101	Resp:	38546
Ion Ratio	Lower	Upper	
101	100		
85	44.8	38.3	57.5
151	80.1	62.8	94.2

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#10

Methyl Iodide

Concen: 19.60 ug/l

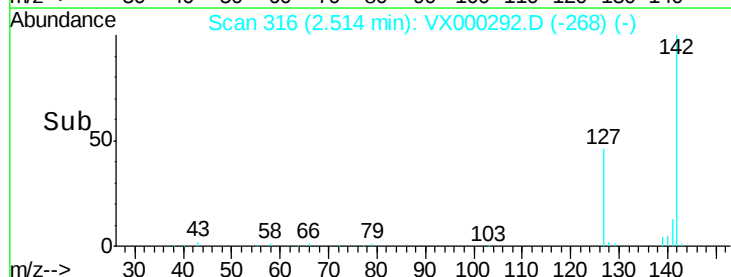
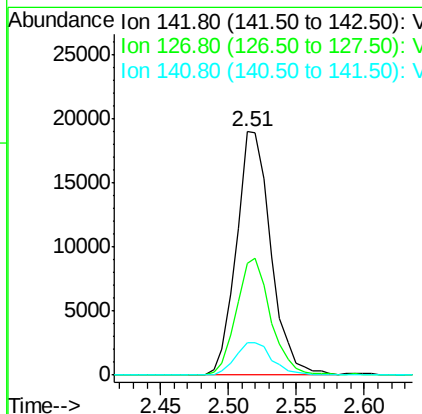
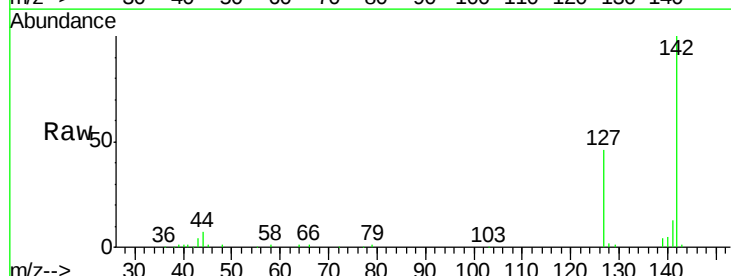
RT: 2.51 min Scan# 316

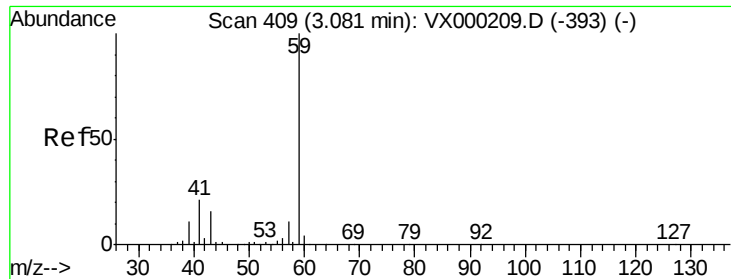
Delta R.T. -0.01 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Tgt Ion:	142	Resp:	33706
Ion Ratio	Lower	Upper	
142	100		
127	47.8	39.0	58.6
141	14.0	11.6	17.4





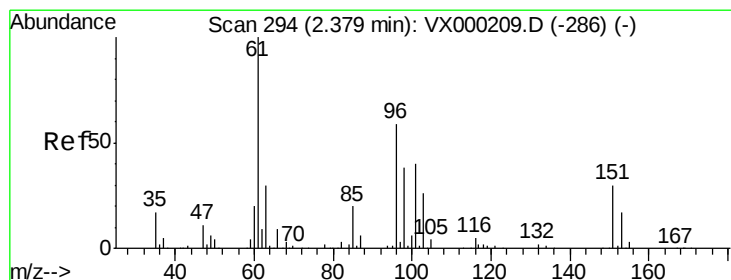
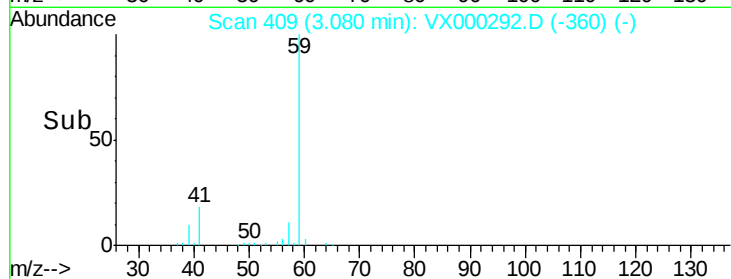
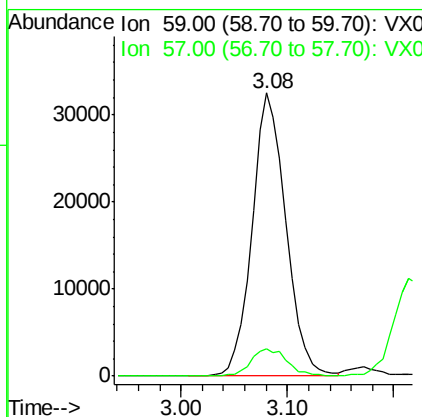
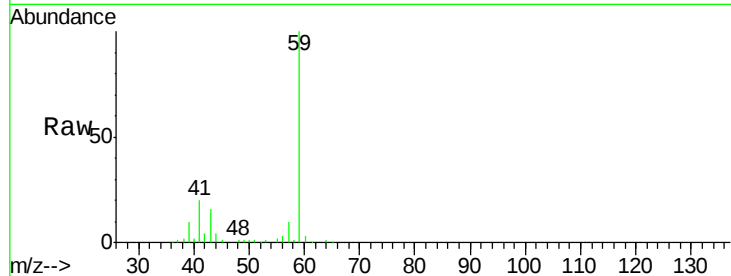
#11
Tert butyl alcohol
Concen: 89.23 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

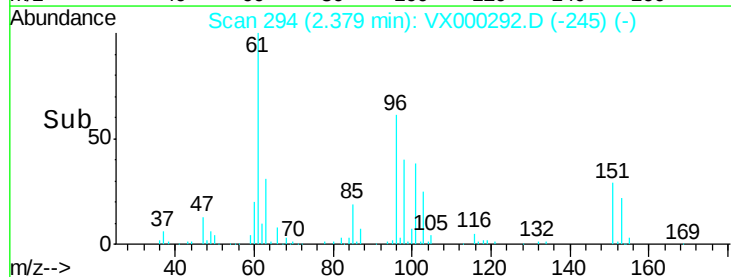
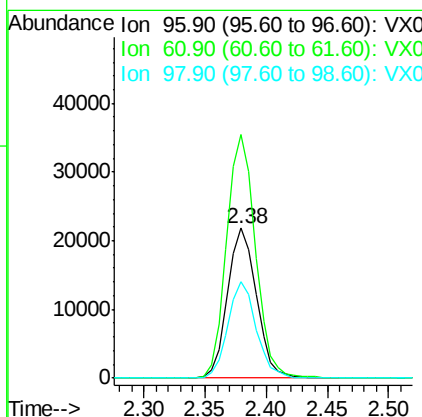
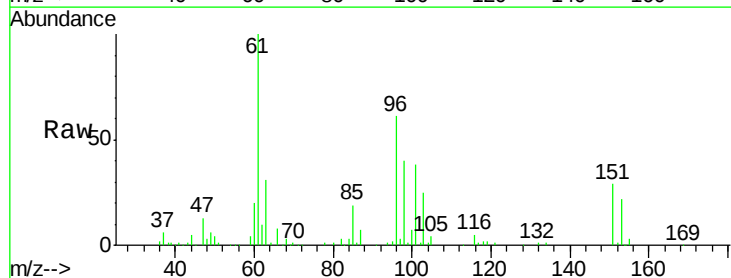
Manual Integrations
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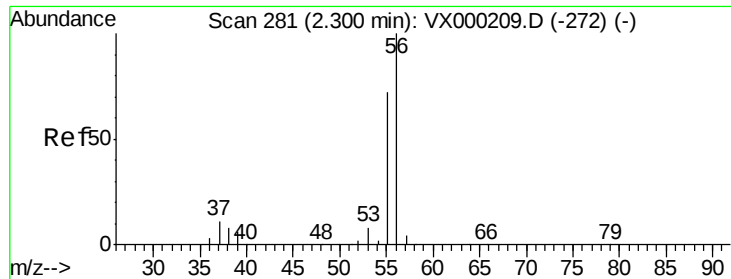
sam
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#12
1,1-Dichloroethene
Concen: 21.29 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.6	135.8	203.6
98	64.6	51.1	76.7





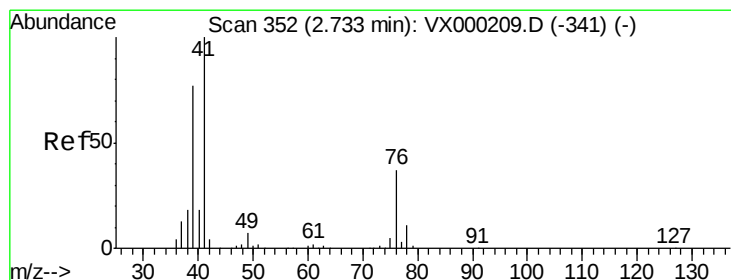
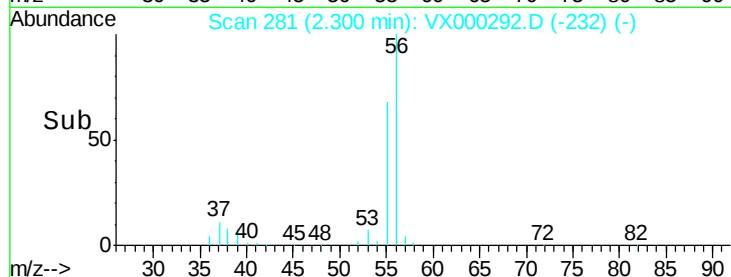
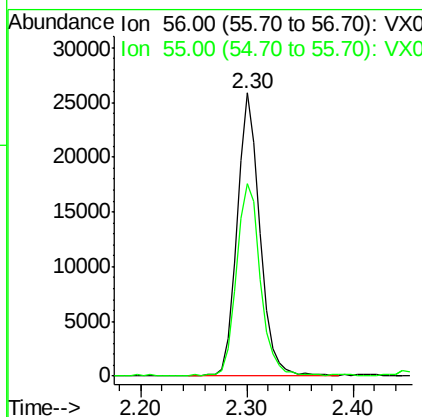
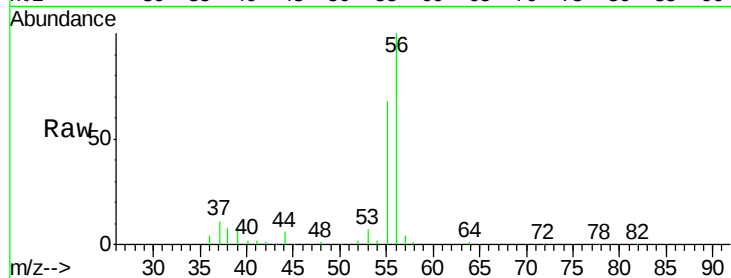
#13
Acrolein
Concen: 91.48 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion: 56 Resp: 39004
Ion Ratio Lower Upper
56 100
55 72.1 59.2 88.8

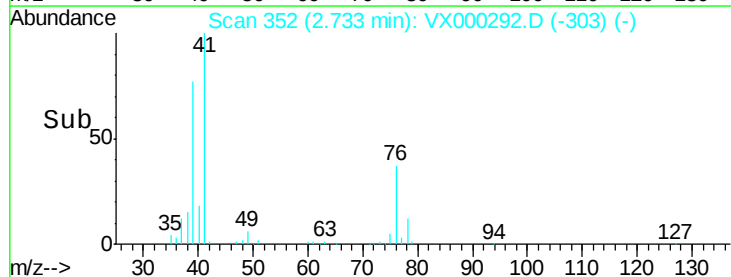
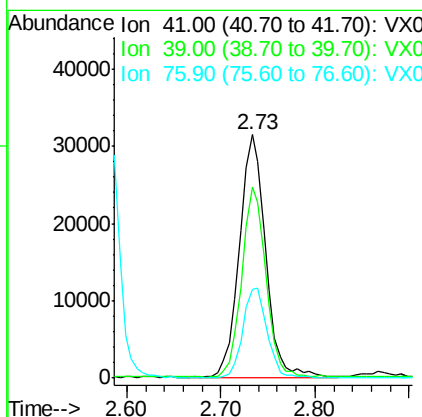
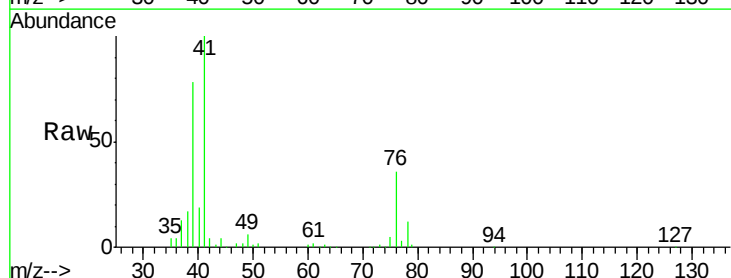
Manual Integrations
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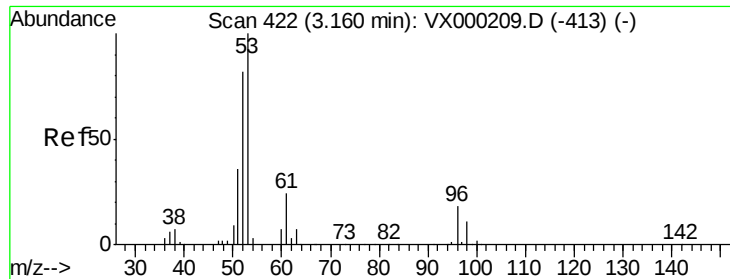
sam
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#14
Allyl chloride
Concen: 19.68 ug/l
RT: 2.73 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion: 41 Resp: 61035
Ion Ratio Lower Upper
41 100
39 72.0 57.0 85.6
76 34.7 26.8 40.2





#15

Acrylonitrile

Concen: 98.68 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

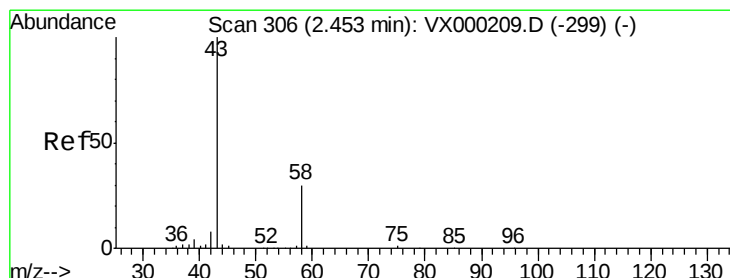
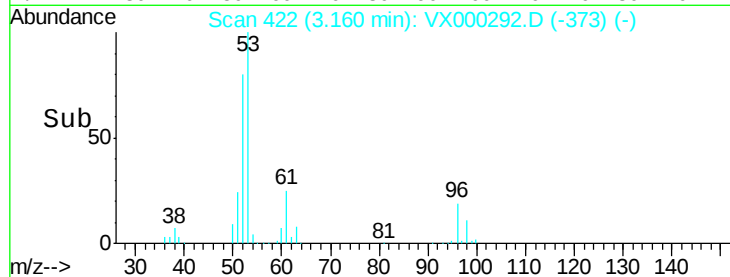
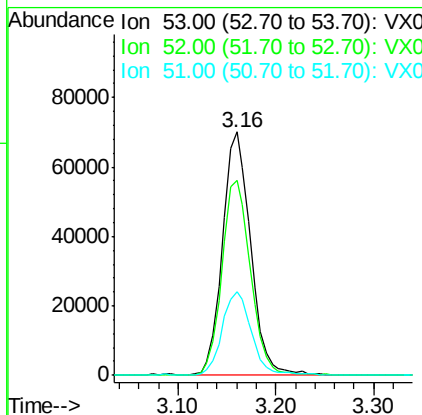
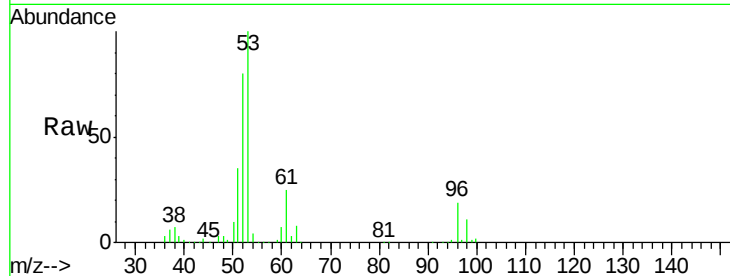
ClientSampleId :

VX0313WBS01

Tot Ion:	53	Resp:	139266
Ion Ratio		Lower	Upper
53	100		
52	82.1	66.3	99.5
51	36.3	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 96.82 ug/l

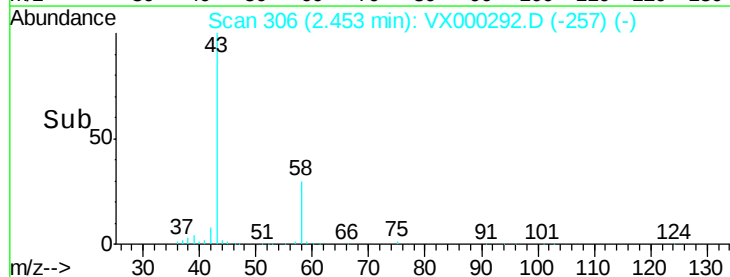
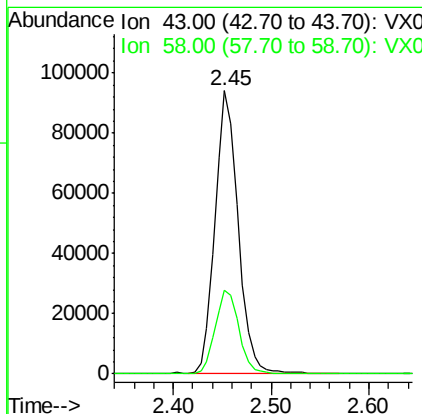
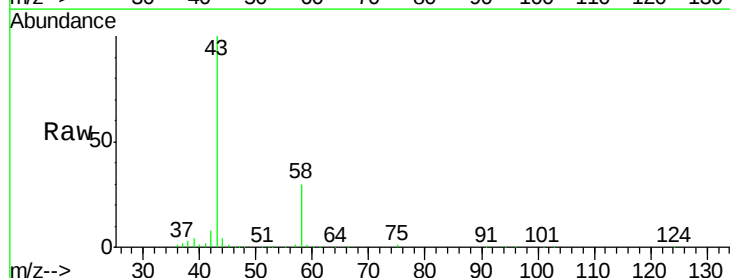
RT: 2.45 min Scan# 306

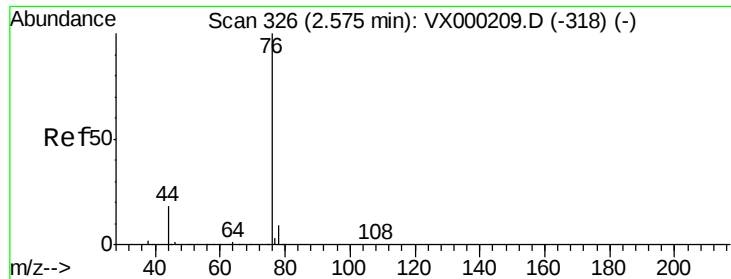
Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Tgt Ion:	43	Resp:	153463
Ion Ratio		Lower	Upper
43	100		
58	29.9	23.8	35.6





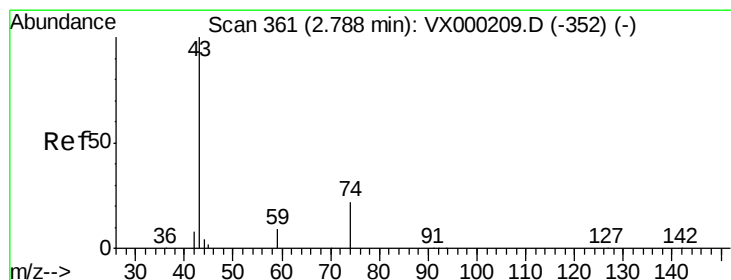
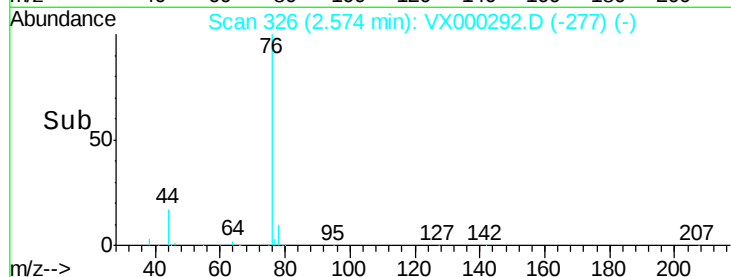
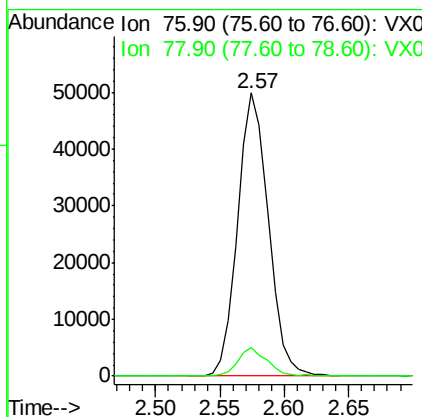
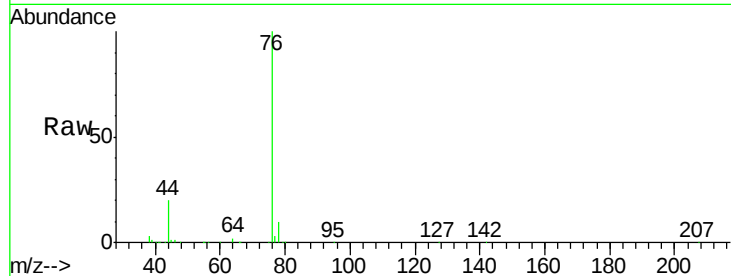
#17
Carbon Disulfide
Concen: 17.96 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.0	10.6

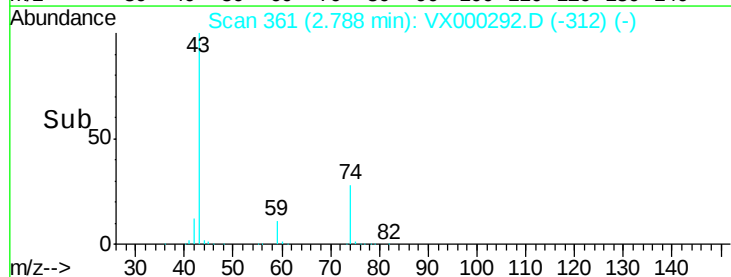
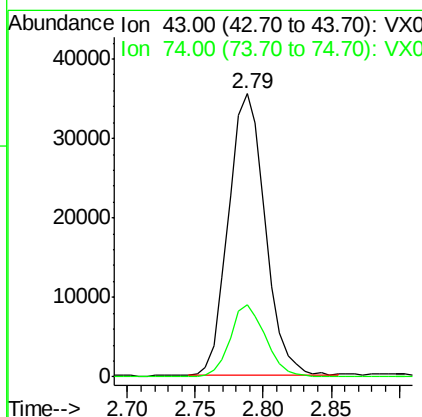
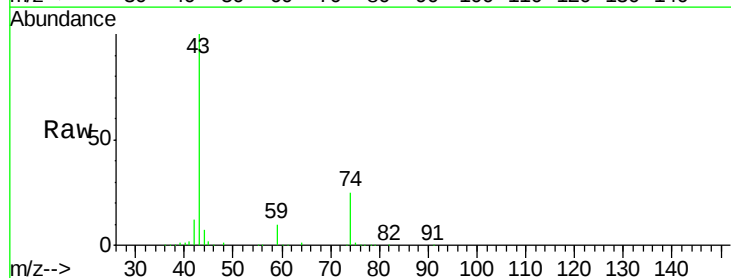
Manual Integrations
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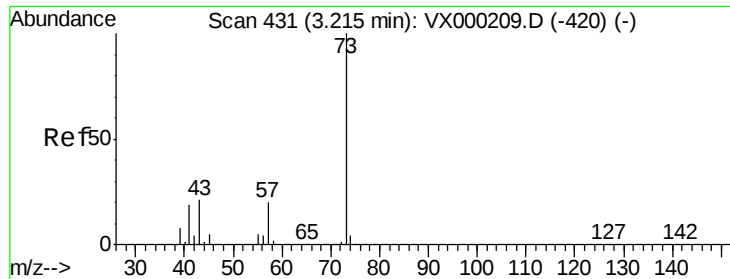
sam
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#18
Methyl Acetate
Concen: 19.76 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	18.9	28.3





#19

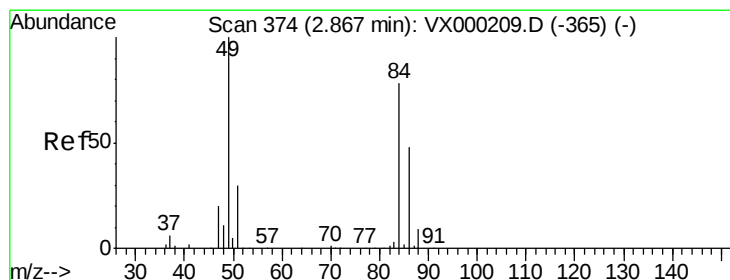
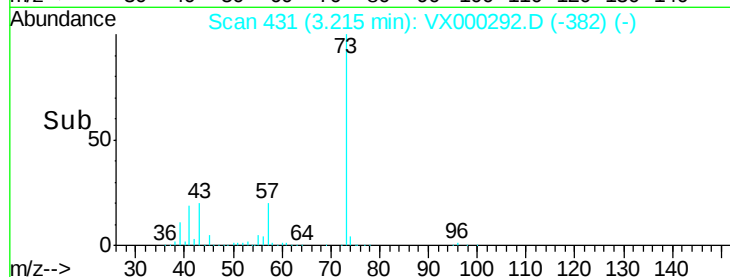
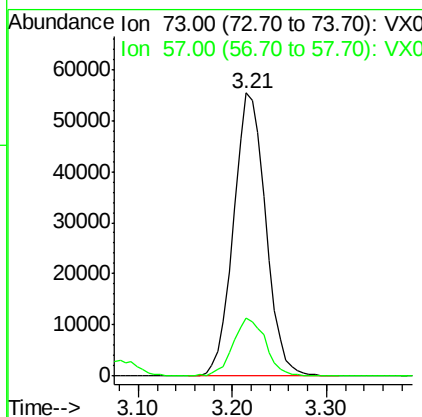
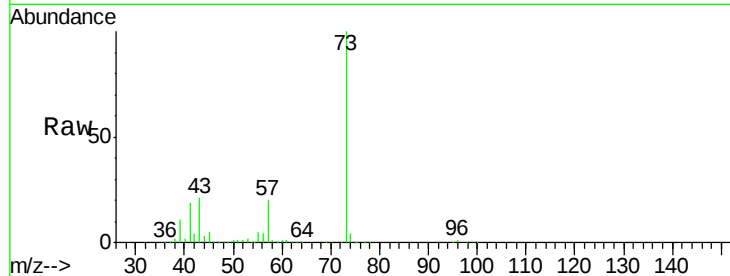
Methyl tert-butyl Ether
 Concen: 22.03 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.3	24.5

Manual Integrations
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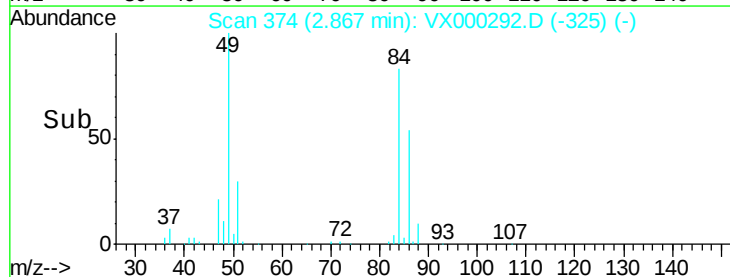
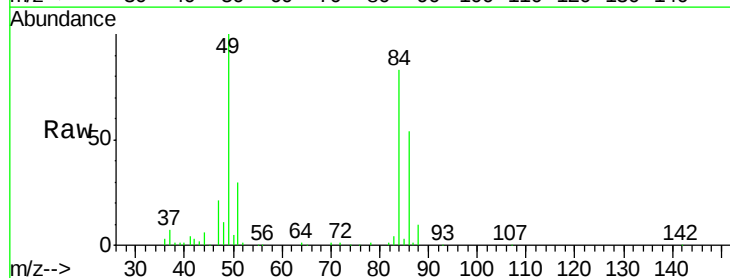
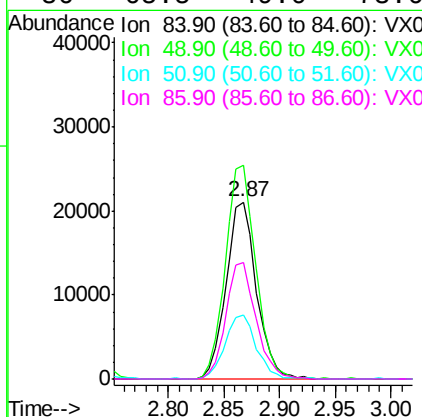
3/14/2018 2:11:47 PM

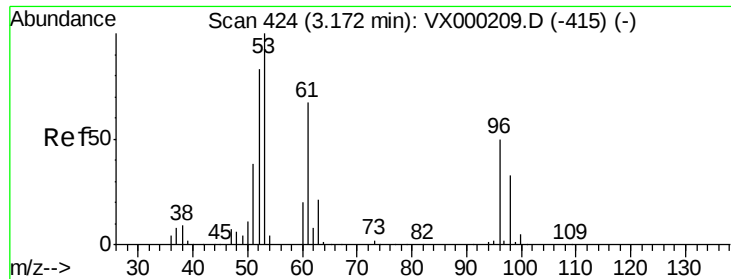


#20

Methylene Chloride
 Concen: 21.04 ug/l
 RT: 2.87 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.5	102.1	153.1
51	36.2	30.6	45.8
86	65.5	49.0	73.6





#21

trans-1,2-Dichloroethene

Concen: 21.12 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

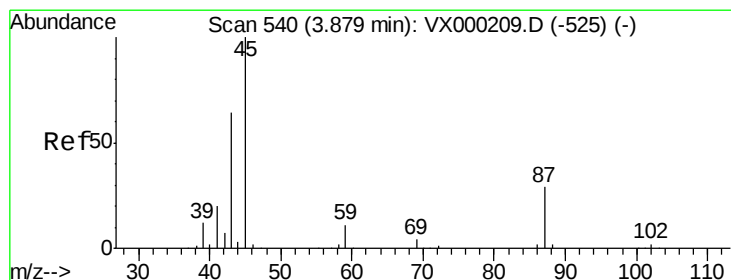
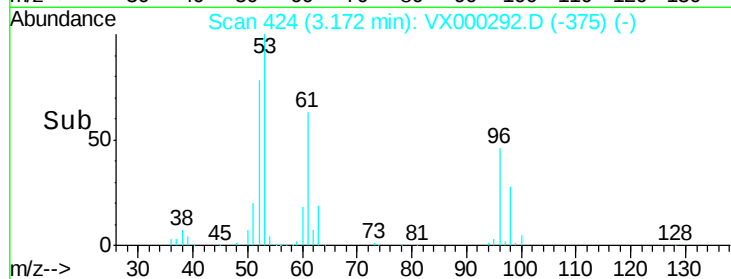
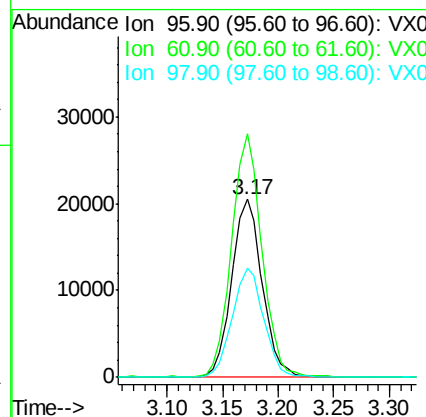
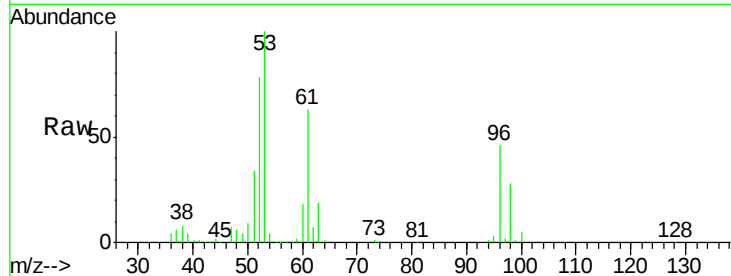
ClientSampleId :

VX0313WBS01

Tot Ion:	96	Resp:	39005
Ion	Ratio	Lower	Upper
96	100		
61	136.9	107.0	160.4
98	61.2	51.8	77.8

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#22

Diisopropyl ether

Concen: 18.37 ug/l

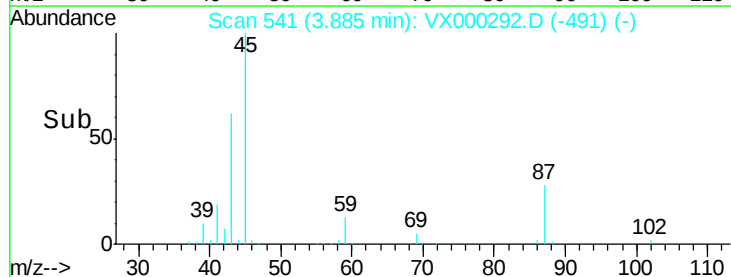
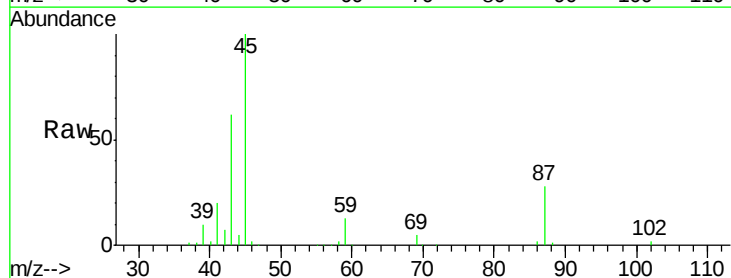
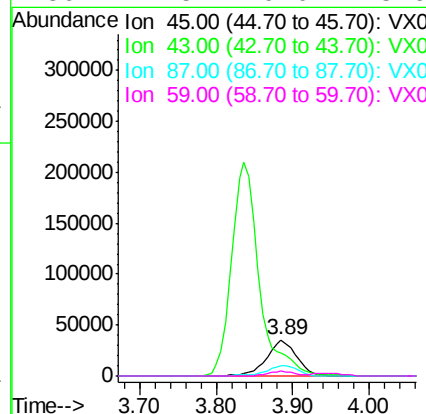
RT: 3.89 min Scan# 541

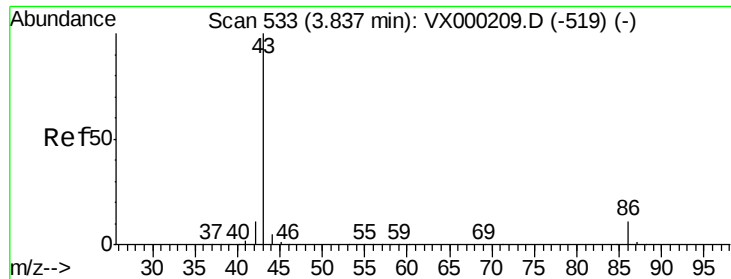
Delta R.T. 0.01 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Tgt Ion:	45	Resp:	97867
Ion	Ratio	Lower	Upper
45	100		
43	61.6	53.5	80.3
87	27.6	23.3	34.9
59	12.5	9.0	13.6





#23

Vinyl Acetate

Concen: 102.54 ug/l

RT: 3.84 min Scan# 533

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion: 43 Resp: 526443

Ion Ratio Lower Upper

43 100

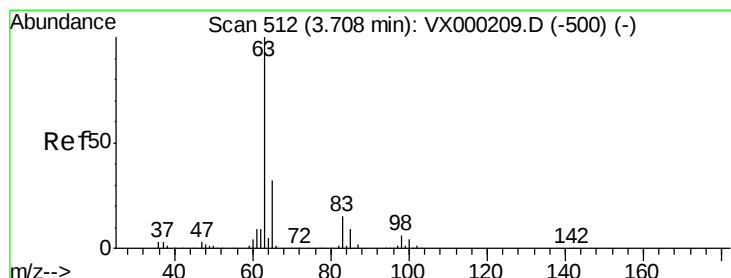
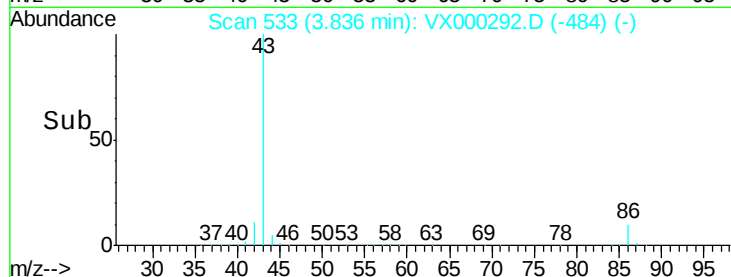
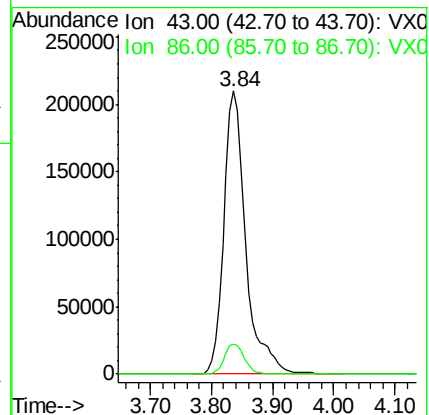
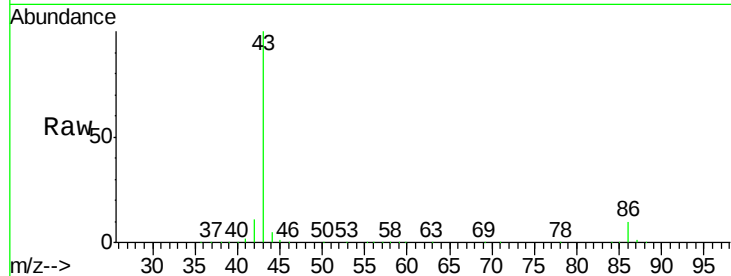
86 10.5 8.5 12.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.24 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

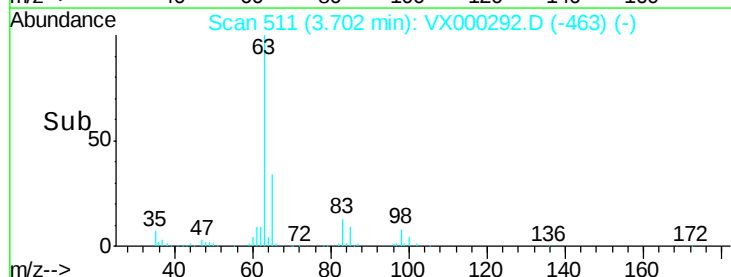
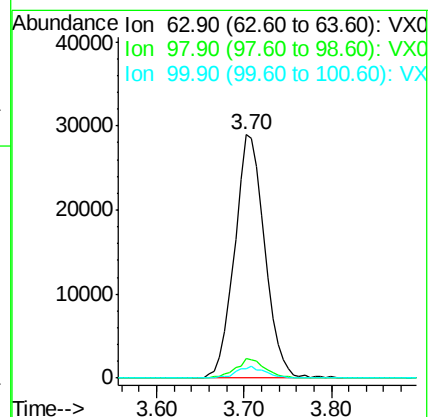
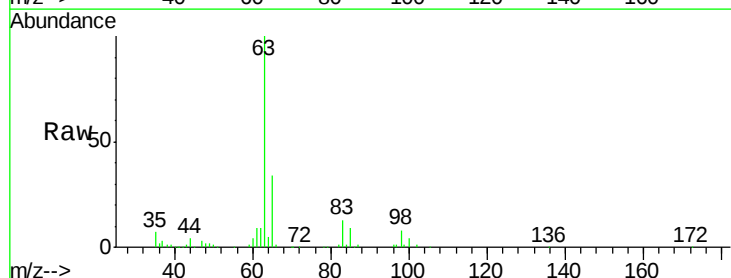
Tgt Ion: 63 Resp: 69366

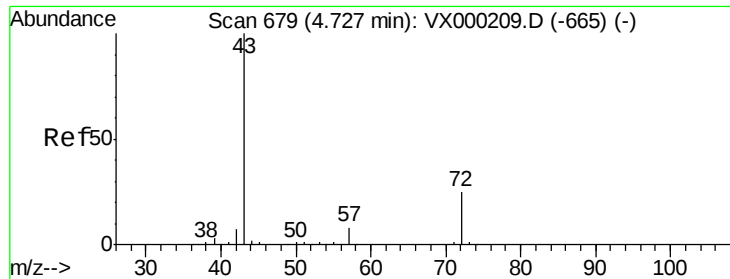
Ion Ratio Lower Upper

63 100

98 8.2 3.1 9.4

100 3.8 2.2 6.6





#25

2-Butanone

Concen: 93.38 ug/l

RT: 4.73 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion: 43 Resp: 182647

Ion Ratio Lower Upper

43 100

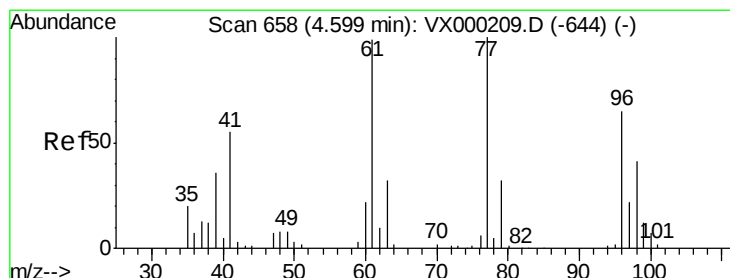
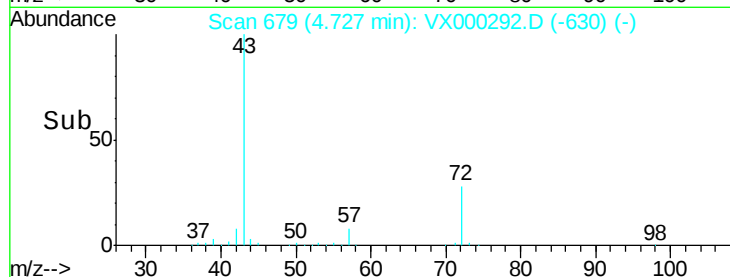
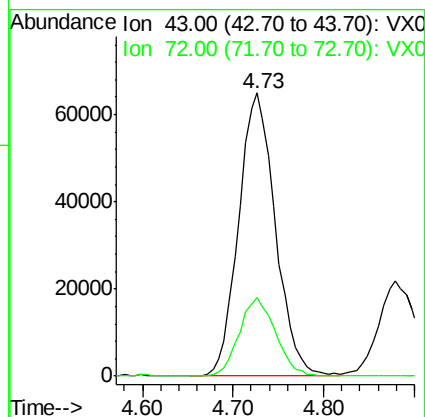
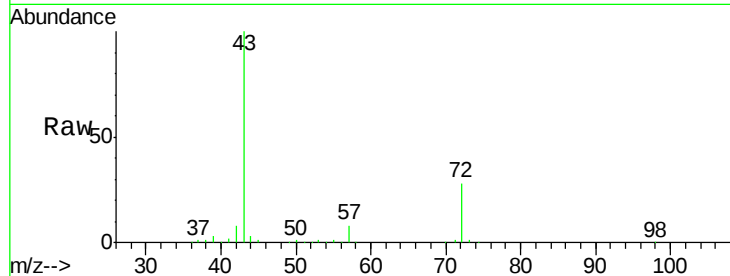
72 27.6 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.13 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX000292.D

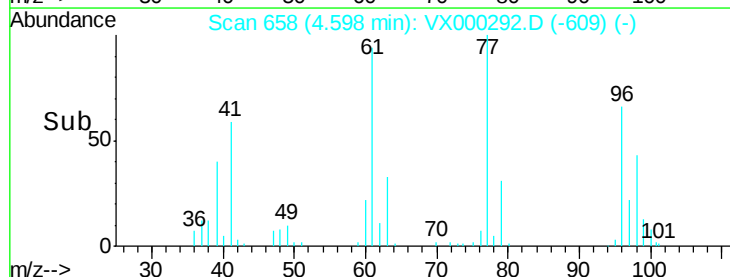
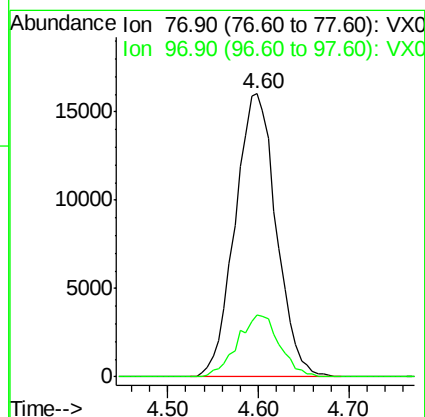
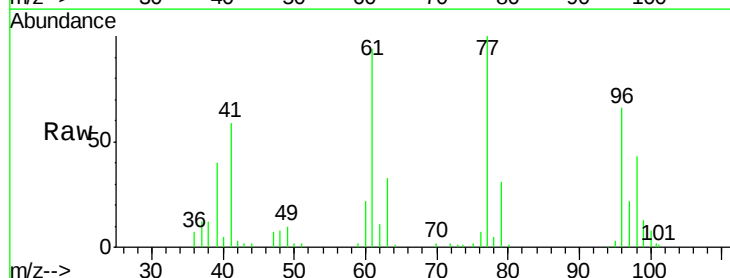
Acq: 13 Mar 2018 11:33

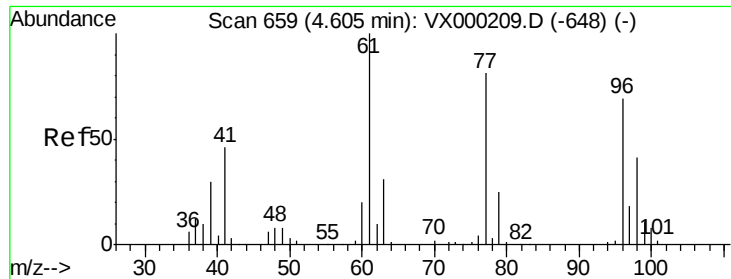
Tgt Ion: 77 Resp: 50429

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.1





#27

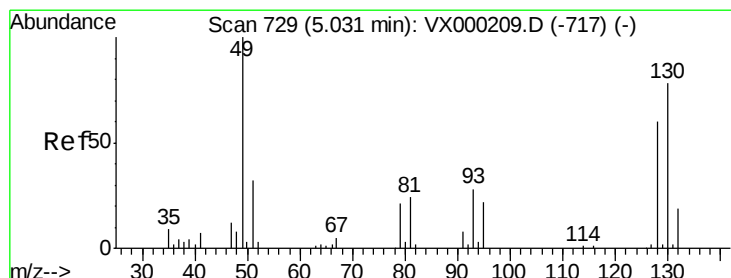
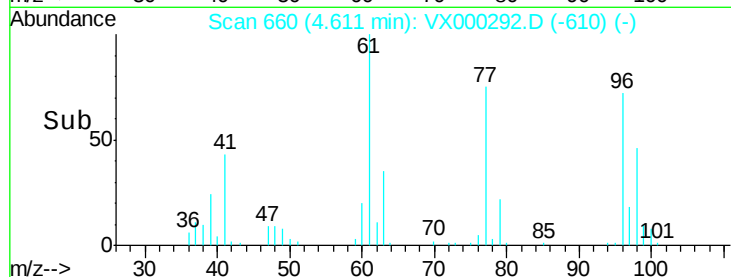
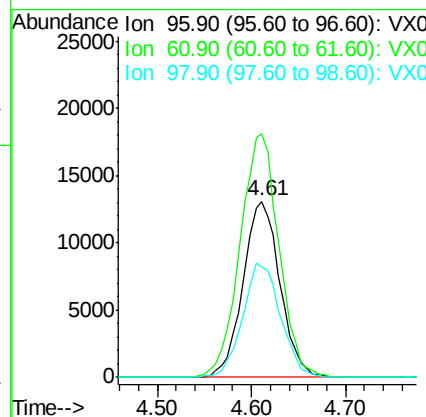
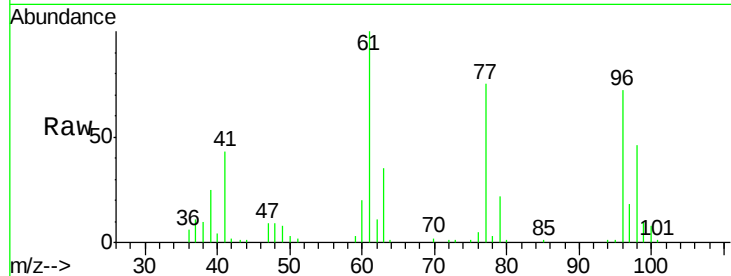
cis-1,2-Dichloroethene
Concen: 20.49 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	35885		
61	145.1		0.0	296.4
98	66.6		0.0	130.6

Manual Integrations
APPROVED

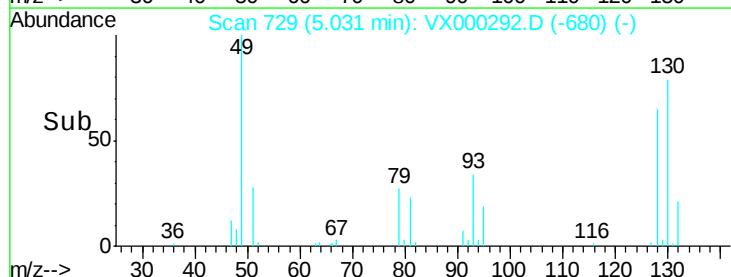
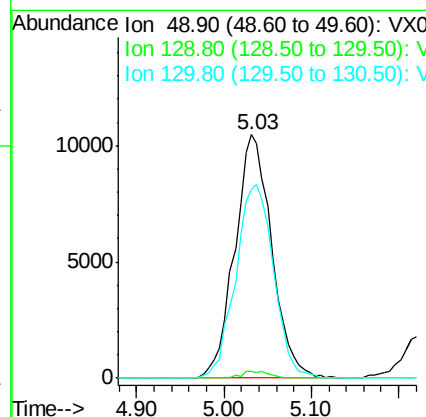
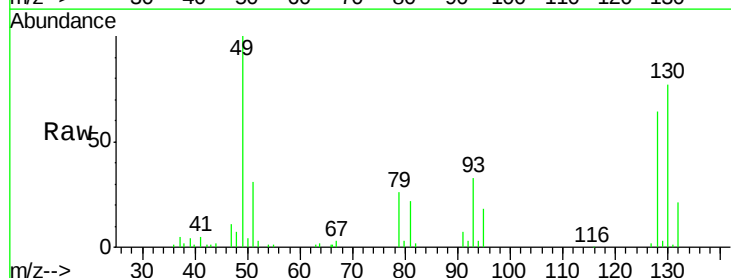
sam
3/14/2018 2:11:47 PM

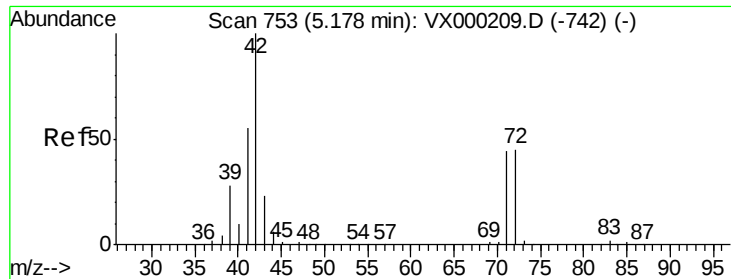


#28

Bromochloromethane
Concen: 22.11 ug/l
RT: 5.03 min Scan# 729
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	30689		
129	2.1		0.0	5.0
130	81.6		63.5	95.3





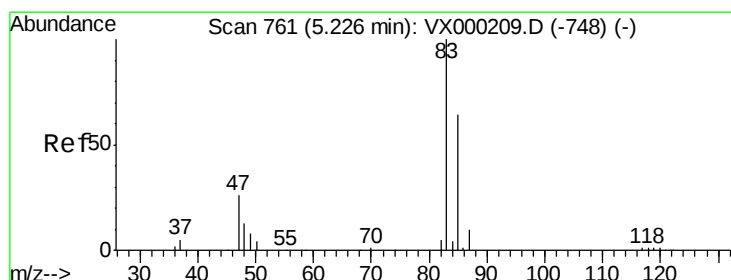
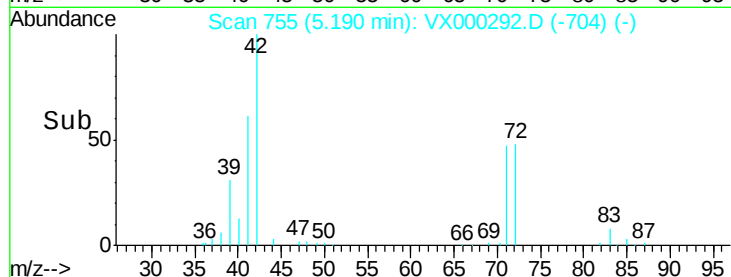
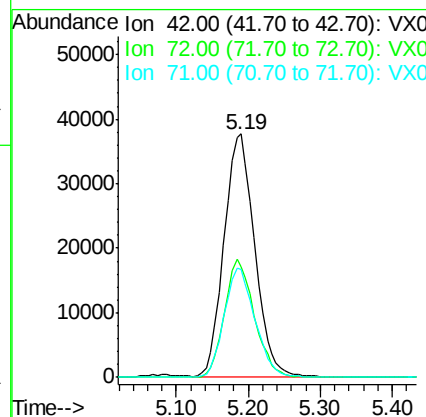
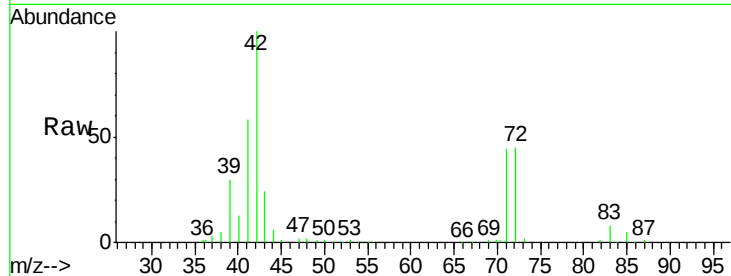
#29
Tetrahydrofuran
Concen: 90.96 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.3	55.9
71	45.2	35.0	52.4

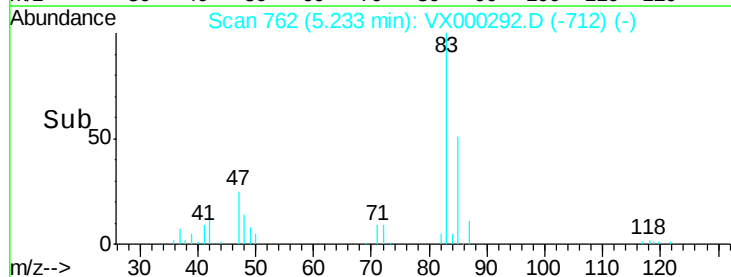
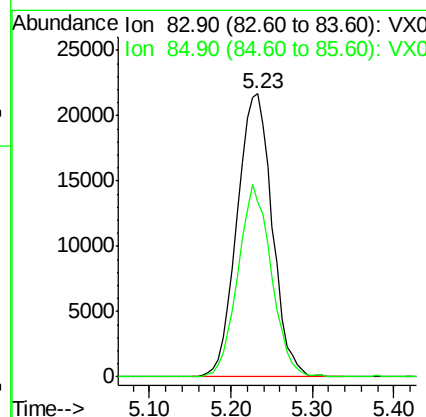
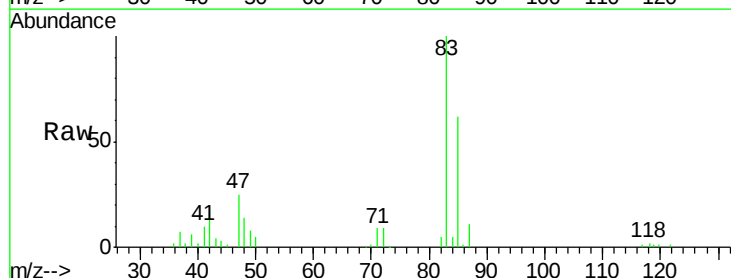
Manual Integrations
APPROVED

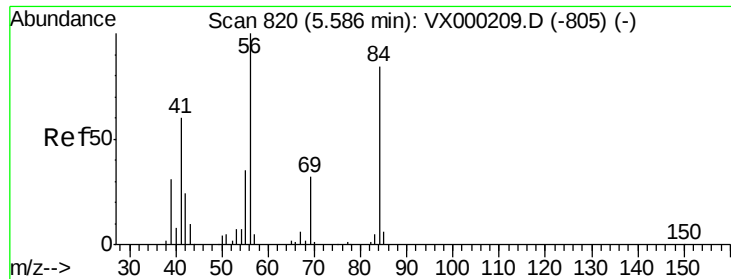
sam
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#30
Chloroform
Concen: 20.51 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.0	76.6





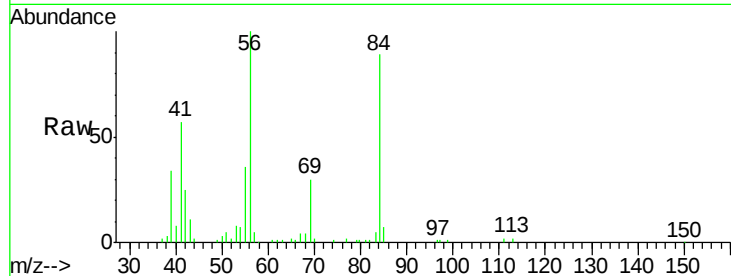
#31
Cyclohexane
Concen: 20.07 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	25.3	37.9
84	85.9	67.2	100.8

Manual Integrations
APPROVED

sam
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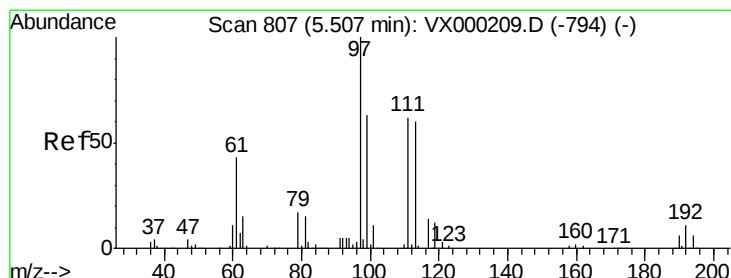
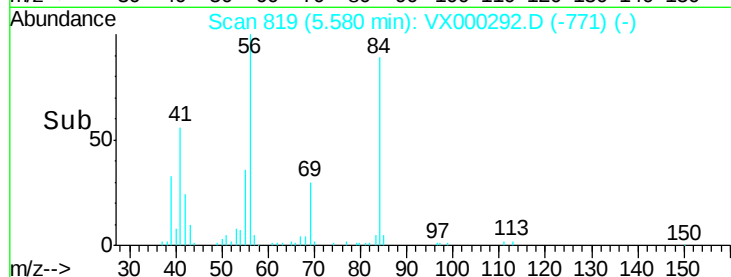
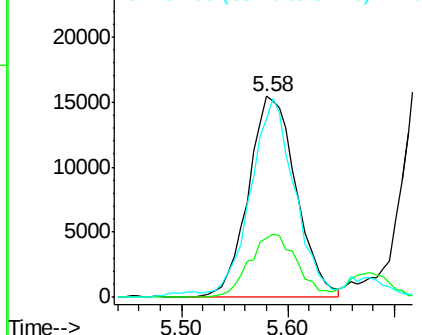


Abundance

Ion 56.00 (55.70 to 56.70): VX0

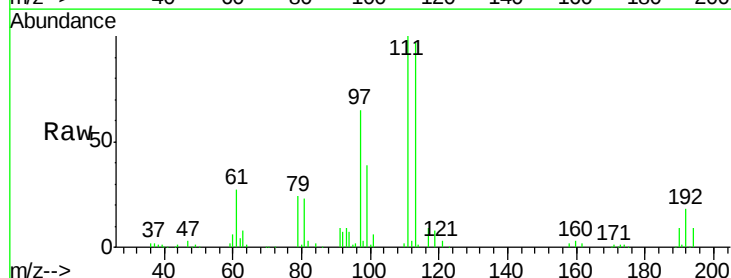
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32
1,1,1-Trichloroethane
Concen: 20.98 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	44.2	35.4	53.0

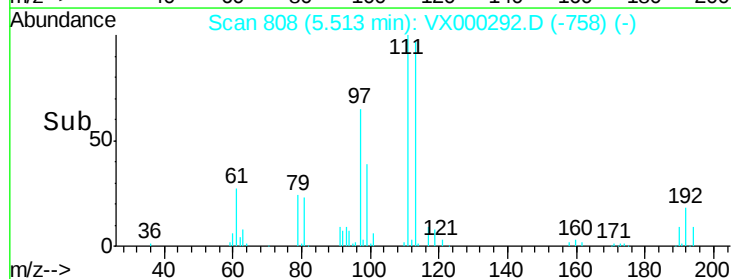
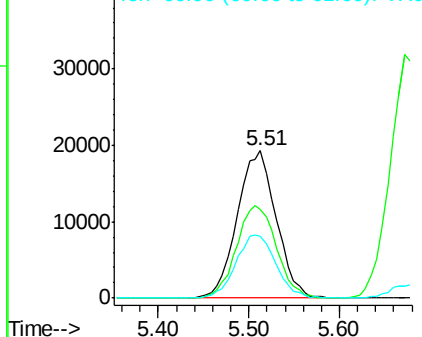


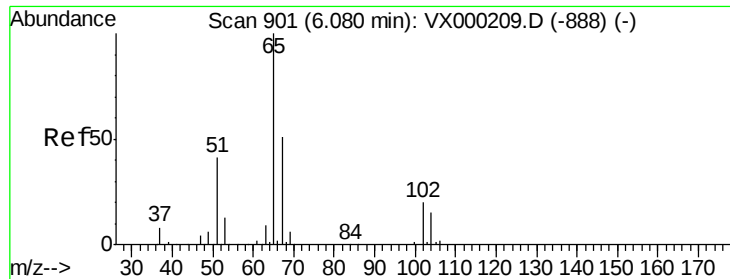
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.40 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Tot Ion: 65 Resp: 102410

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.4

Instrument :

MSVOA_X

ClientSampled :

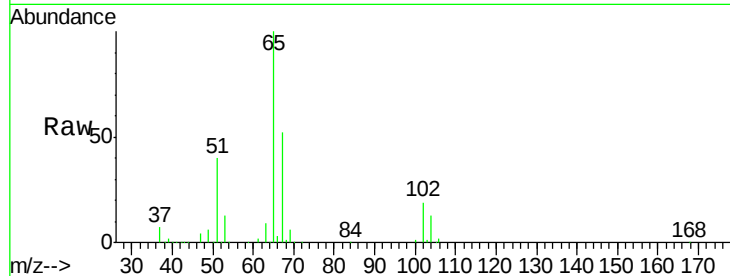
VX0313WBS01

Manual Integrations

APPROVED

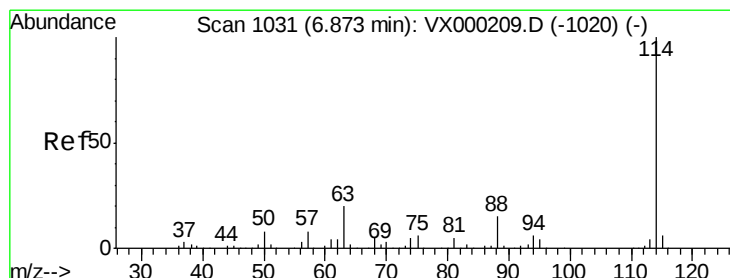
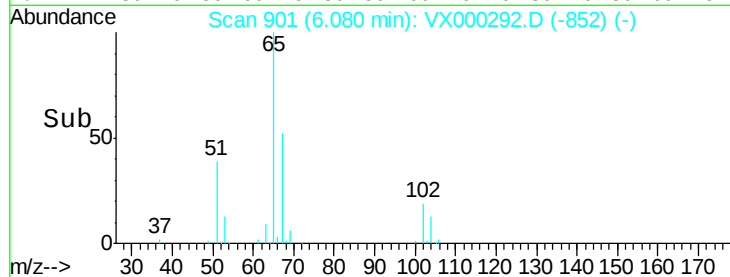
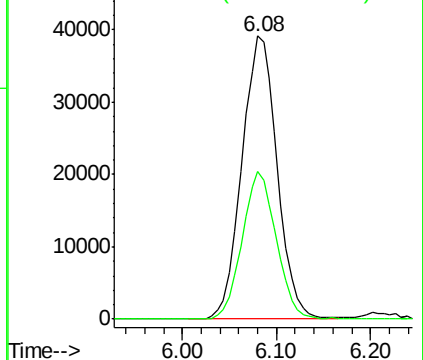
sam

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

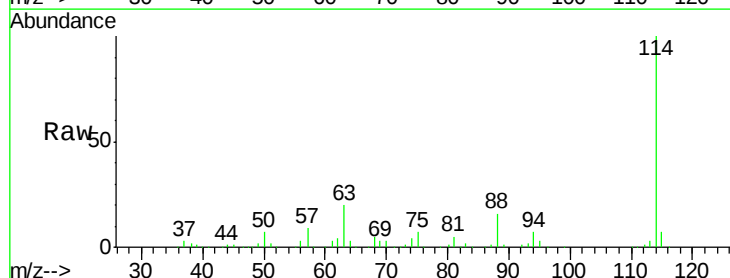
Tgt Ion: 114 Resp: 265471

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.2

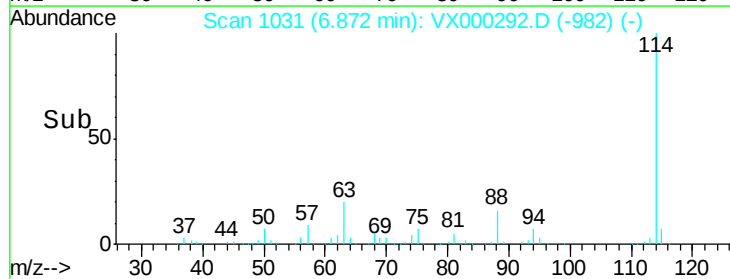
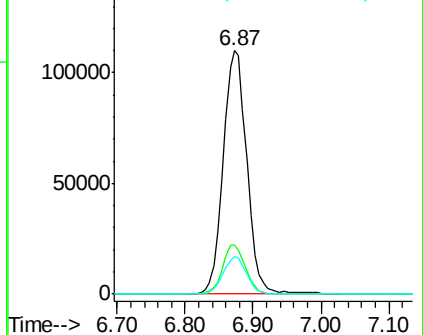
88 15.6 0.0 29.8

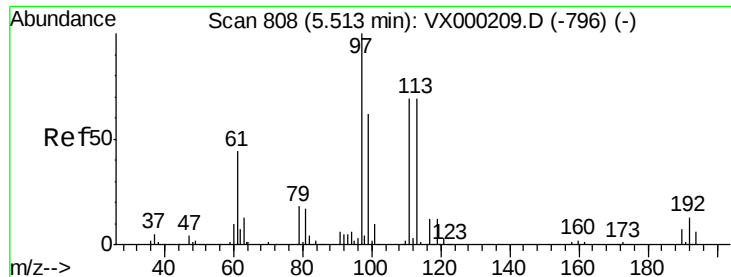


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





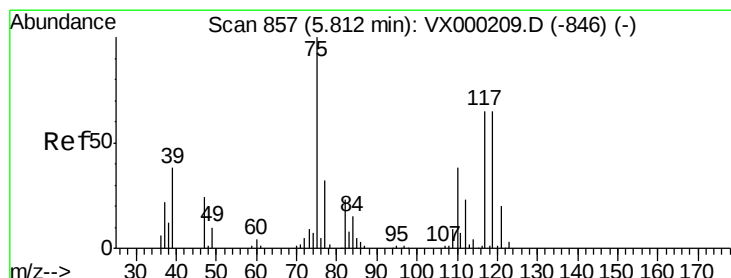
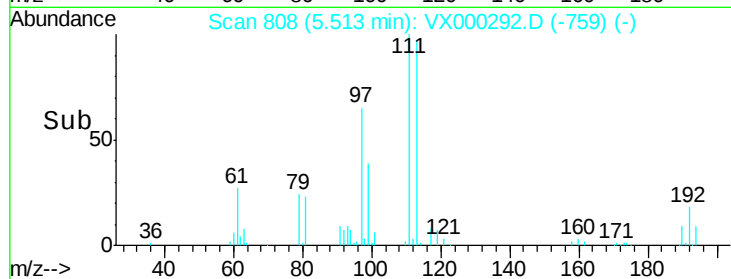
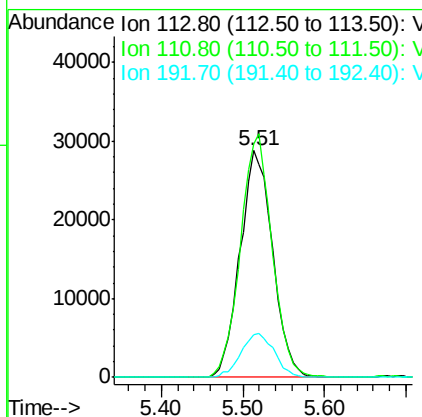
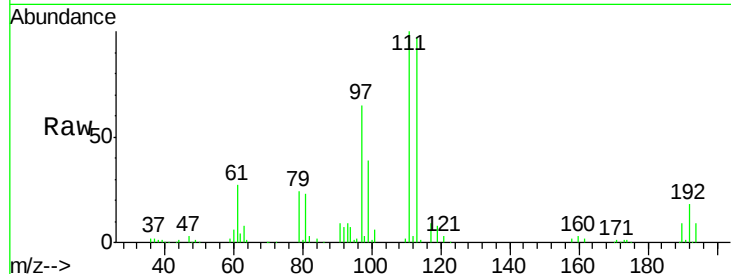
#35
 Dibromofluoromethane
 Concen: 47.97 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.2	83.0	124.6	
192	19.9	15.5	23.3	

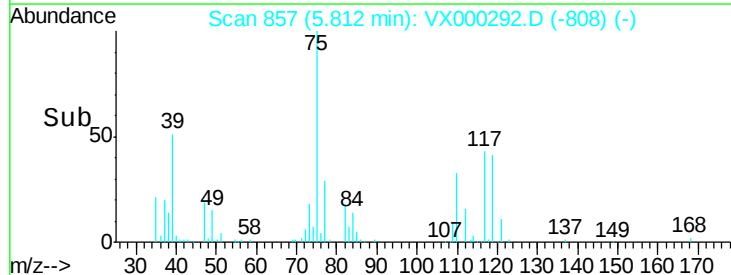
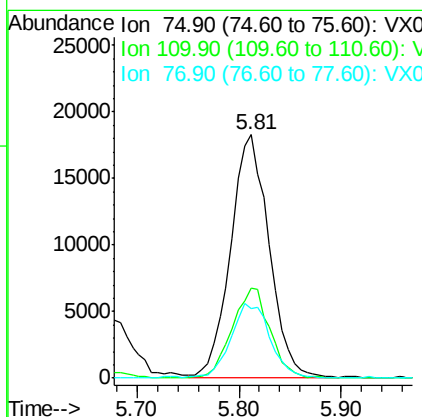
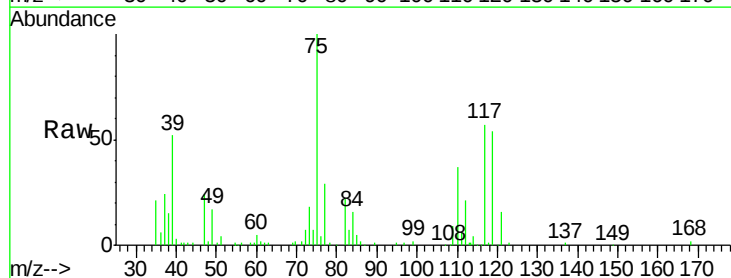
Manual Integrations
 APPROVED

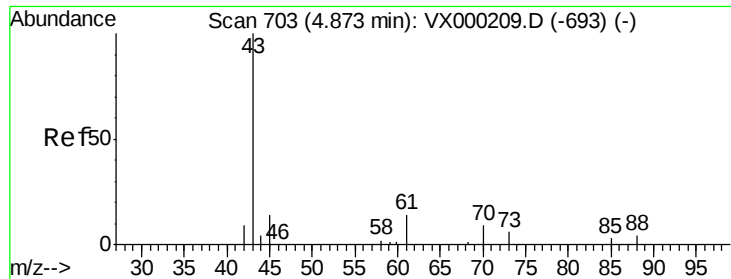
sam
 3/14/2018 2:11:47 PM



#36
 1,1-Dichloropropene
 Concen: 20.11 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	17.8	53.5	
77	31.7	24.9	37.3	





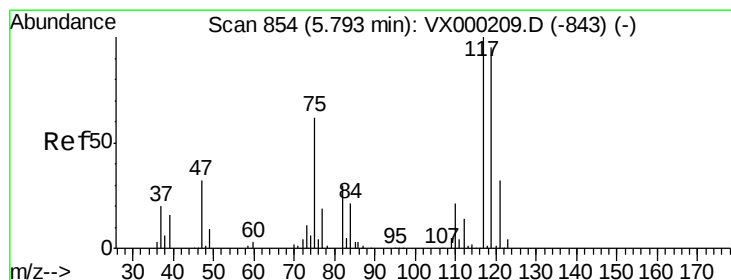
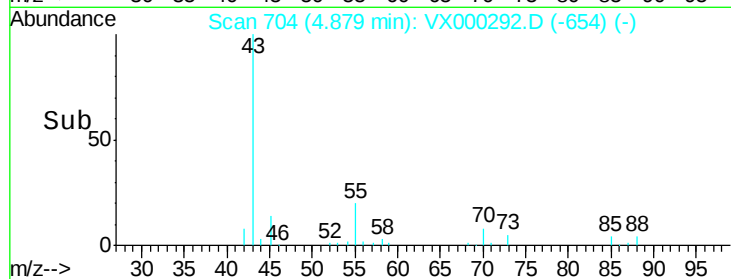
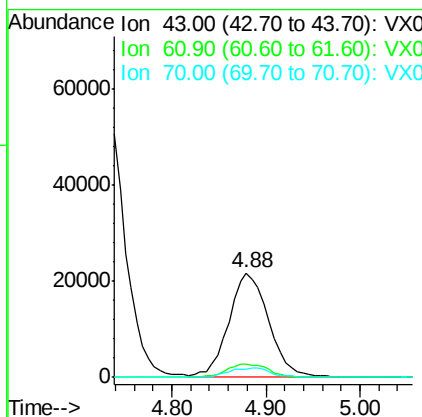
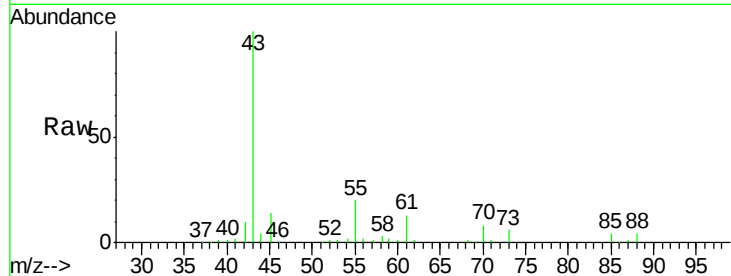
#37
Ethyl Acetate
Concen: 18.62 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.6
70	9.8	7.8	11.6

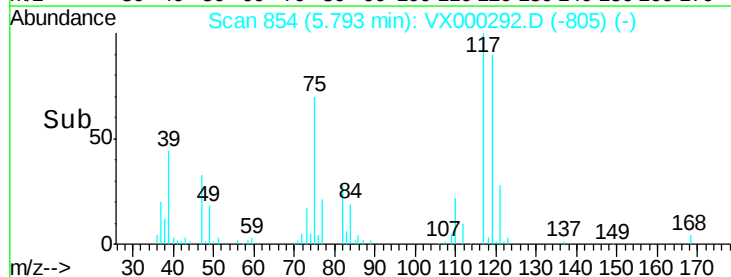
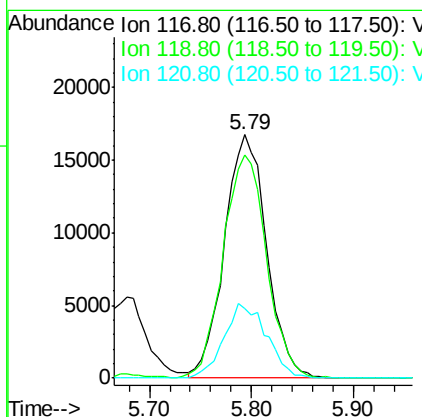
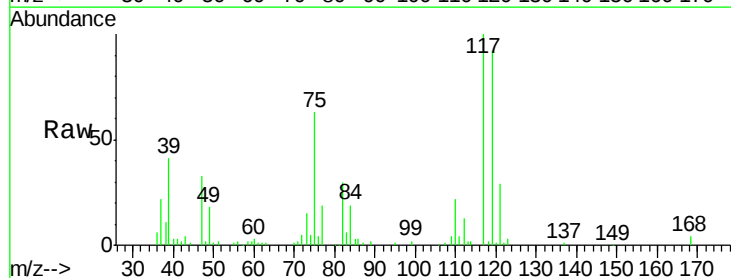
Manual Integrations
APPROVED

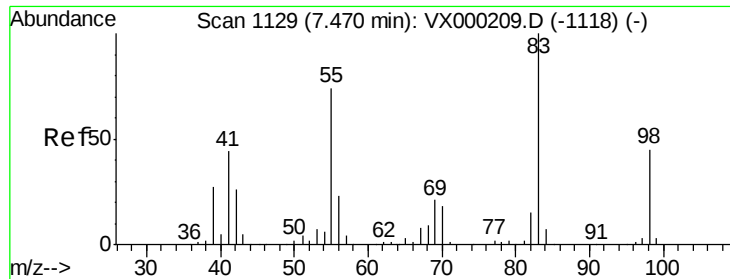
sam
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#38
Carbon Tetrachloride
Concen: 20.04 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.9	113.9
121	28.5	25.8	38.6





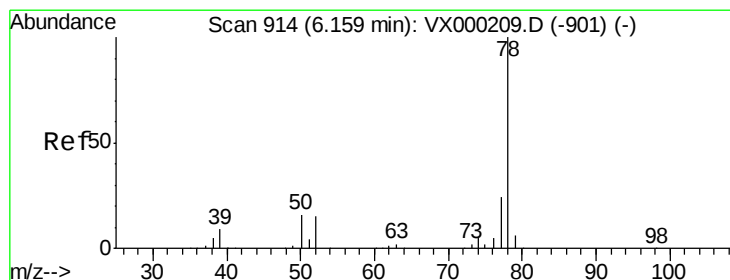
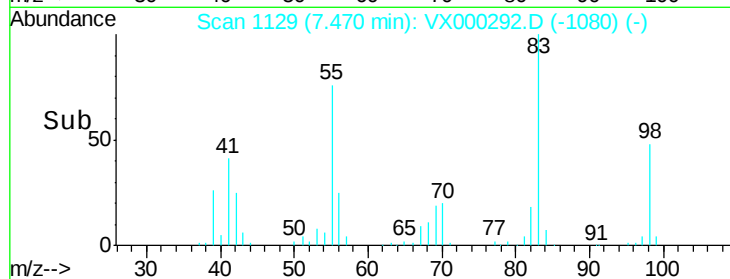
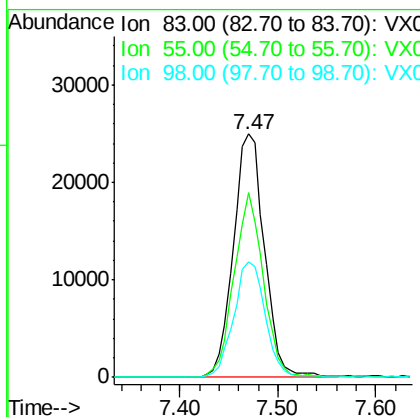
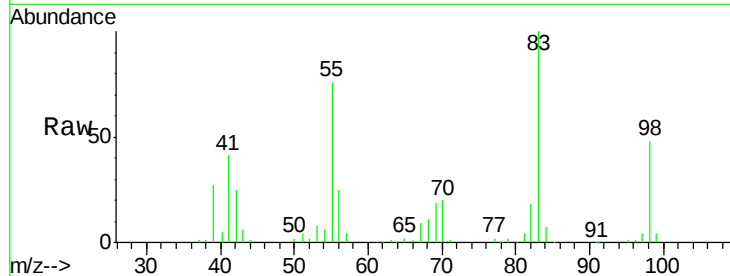
#39
Methvlcvclohexane
Concen: 19.00 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	83.00	Resp	55071
Ion	Ratio	Lower	Upper
83	100		
55	76.1	59.4	89.0
98	47.6	36.3	54.5

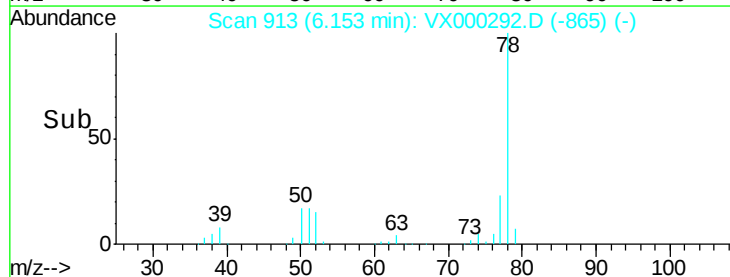
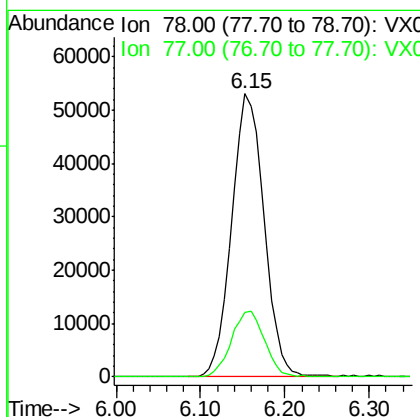
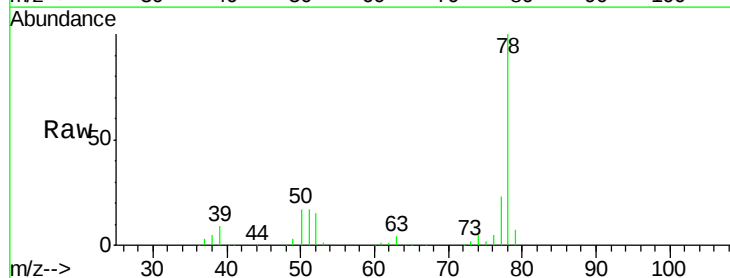
Manual Integrations
APPROVED

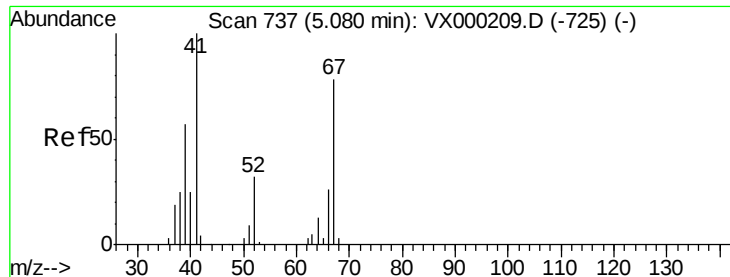
sam
3/14/2018 2:11:47 PM



#40
Benzene
Concen: 20.28 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.01 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion	78	Resp	138168
Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.4	29.2





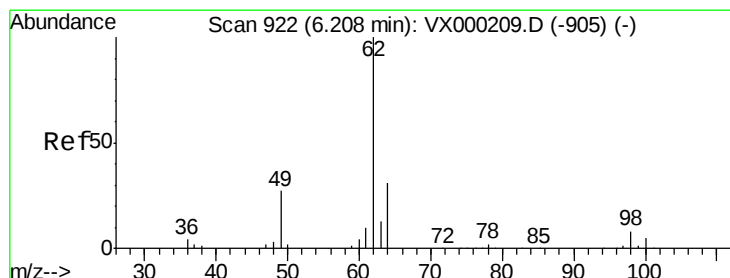
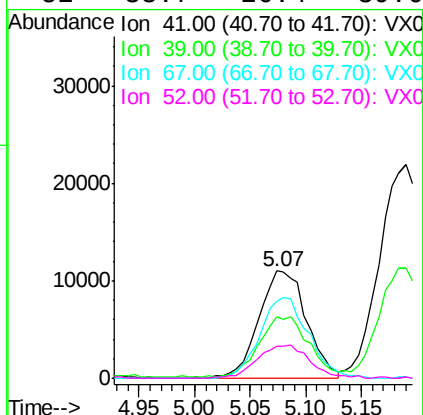
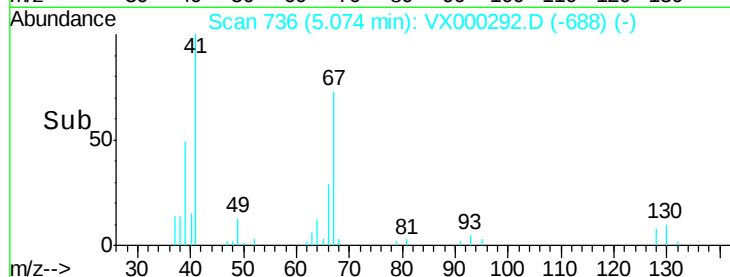
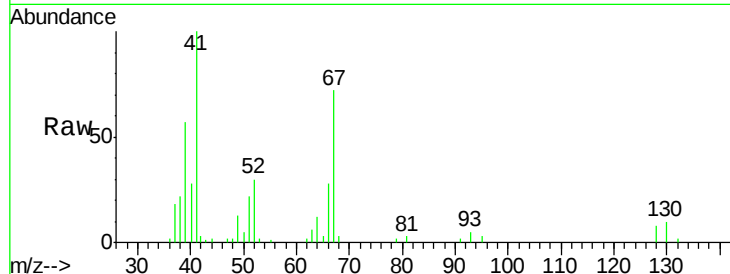
#41
Methacrylonitrile
Concen: 18.92 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.01 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.8	47.8	71.6	
67	76.6	59.3	88.9	
52	33.7	26.4	39.6	

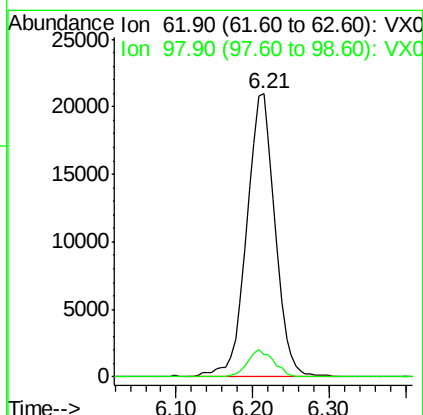
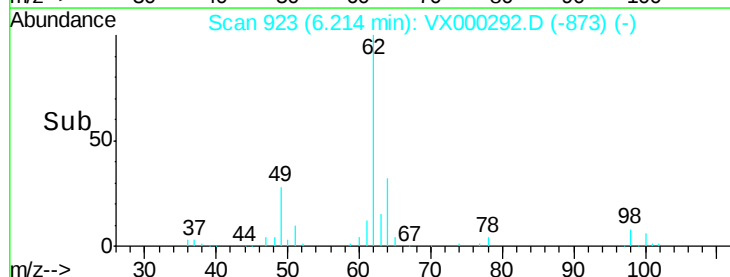
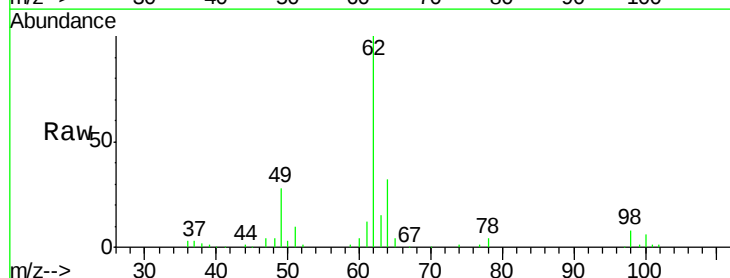
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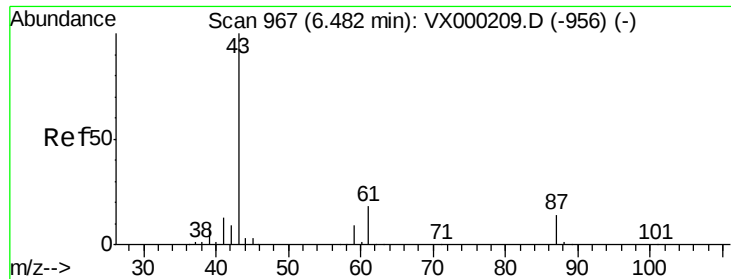
sam
3/14/2018 2:11:47 PM



#42
1,2-Dichloroethane
Concen: 20.31 ug/l
RT: 6.21 min Scan# 923
Delta R.T. 0.01 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	16.2	





#43

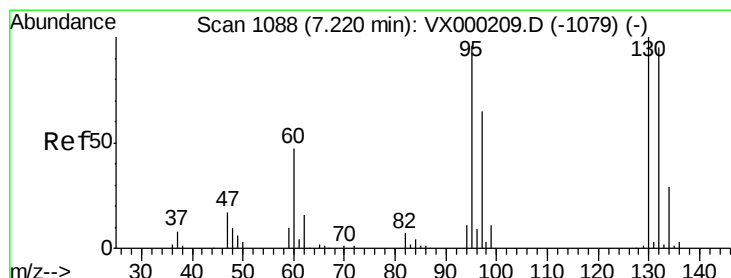
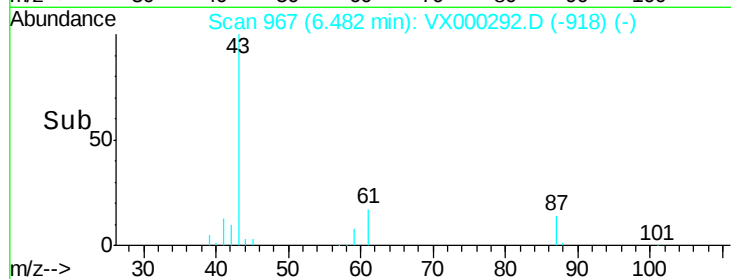
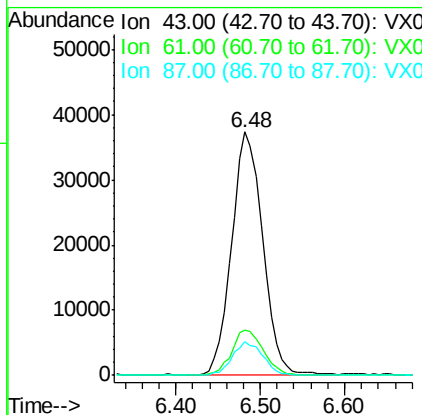
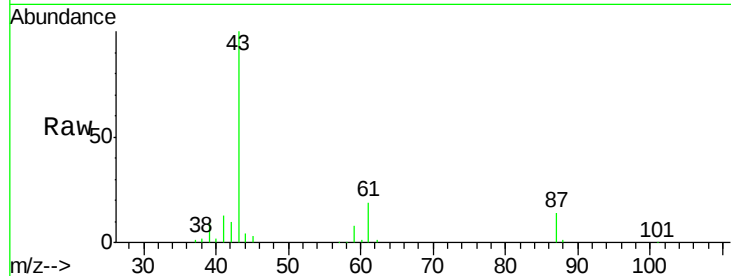
Isopropyl Acetate
 Concen: 19.01 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.8	22.2
87	13.5	10.6	16.0

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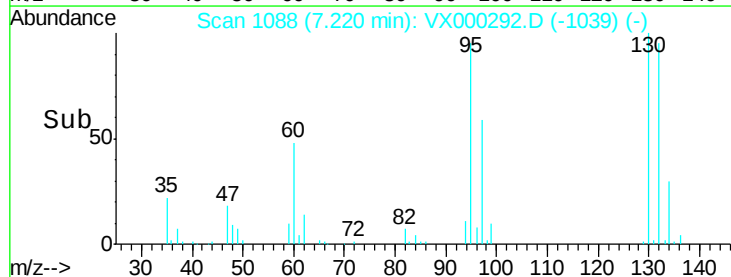
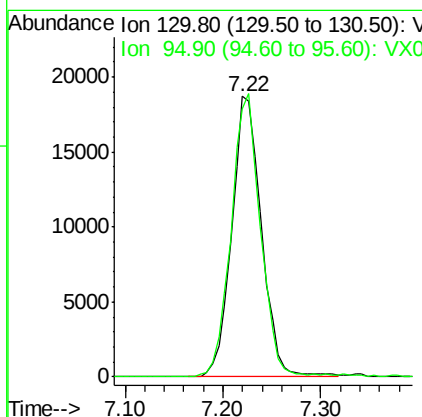
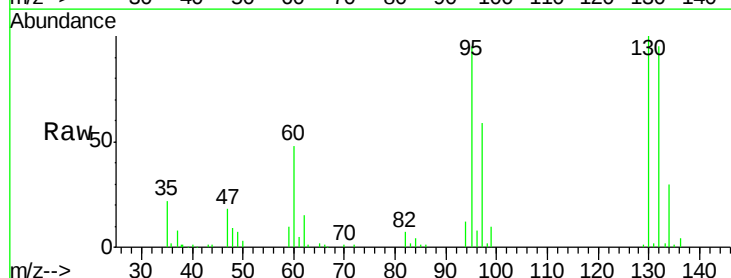
sam
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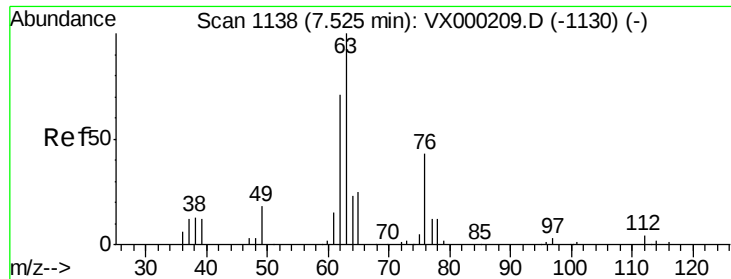


#44

Trichloroethene
 Concen: 20.21 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	191.8





#45

1,2-Dichloropropane

Concen: 20.11 ug/l

RT: 7.53 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampled :

VX0313WBS01

Tot Ion: 63 Resp: 34705

Ion Ratio Lower Upper

63 100

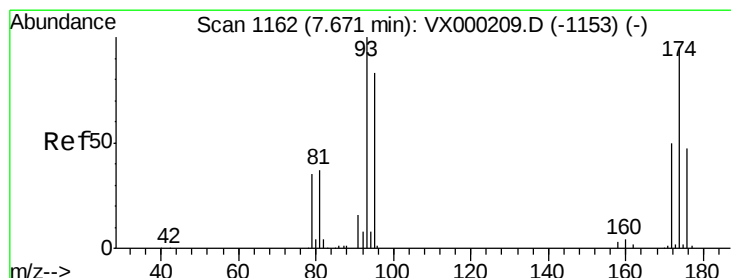
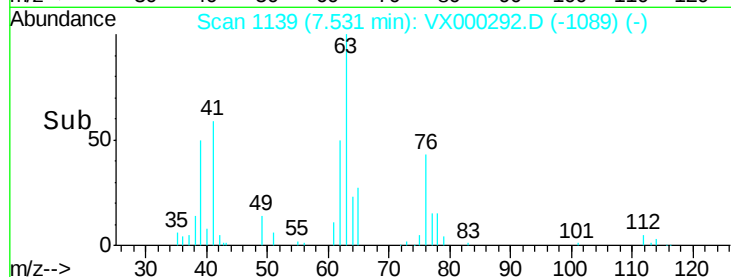
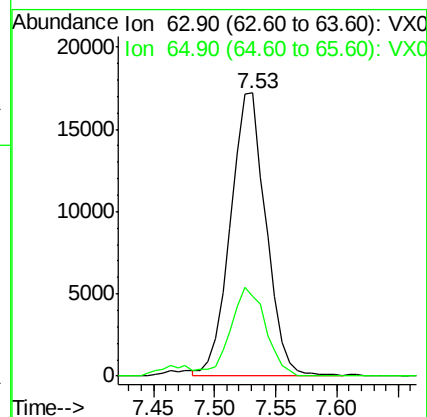
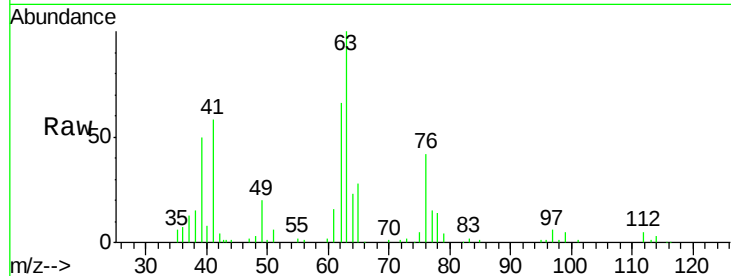
65 28.2 22.3 33.5

Manual Integrations

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#46

Dibromomethane

Concen: 20.14 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

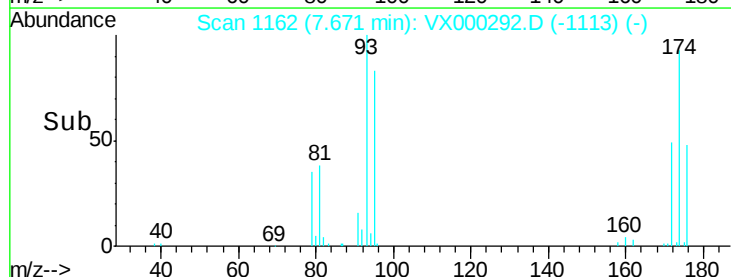
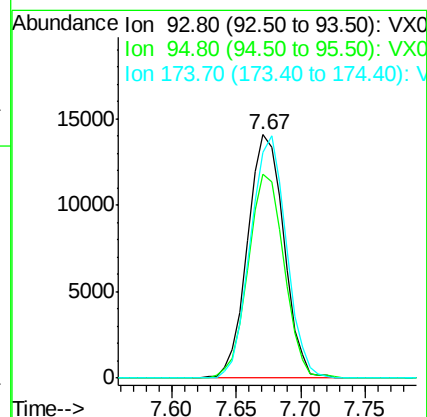
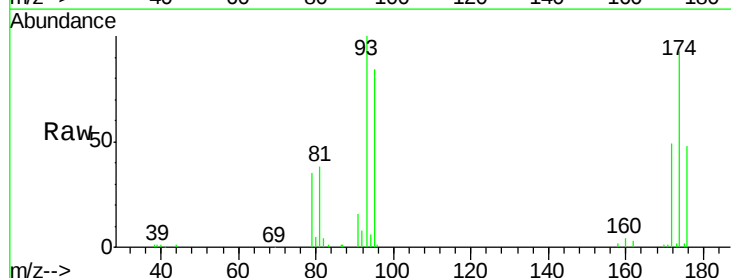
Tgt Ion: 93 Resp: 27489

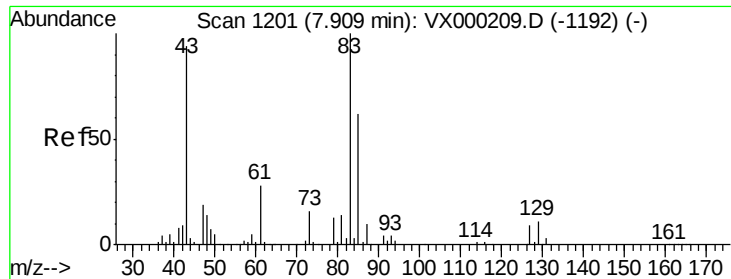
Ion Ratio Lower Upper

93 100

95 83.0 64.1 96.1

174 98.0 75.8 113.8





#47

Bromodichloromethane

Concen: 20.18 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

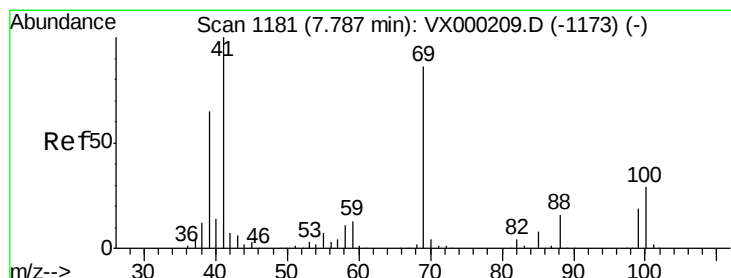
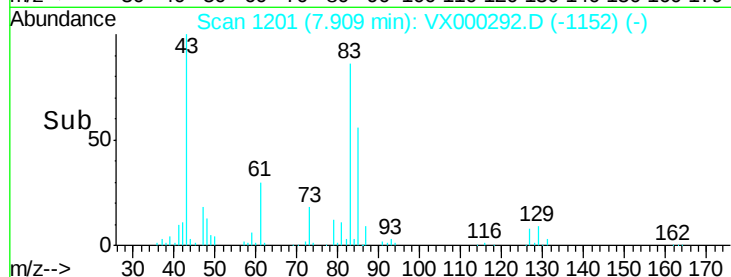
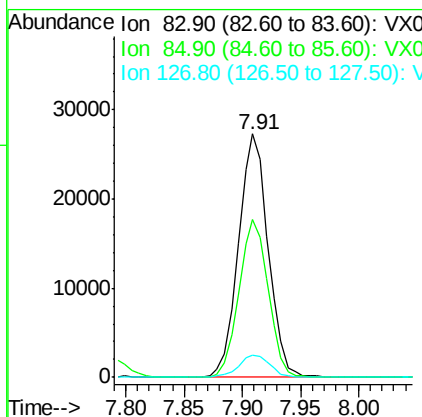
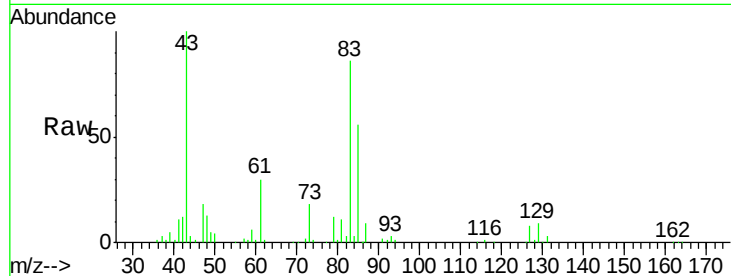
ClientSampleId :

VX0313WBS01

Tot Ion:	83	Resp:	48453
Ion Ratio	Lower	Upper	
83	100		
85	64.7	49.6	74.4
127	8.9	7.0	10.4

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#48

Methyl methacrylate

Concen: 18.78 ug/l

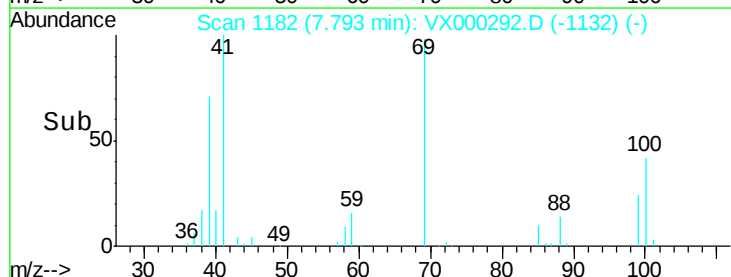
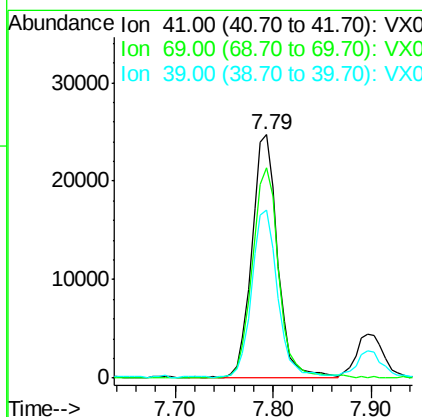
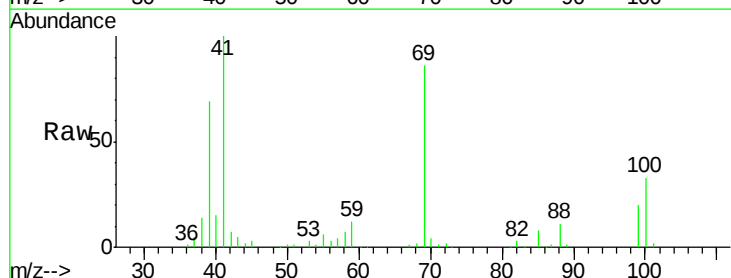
RT: 7.79 min Scan# 1182

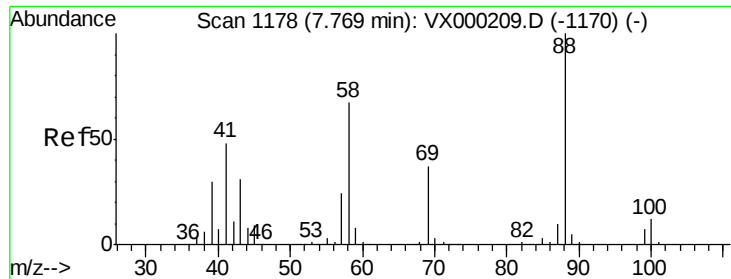
Delta R.T. 0.01 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Tgt Ion:	41	Resp:	45646
Ion Ratio	Lower	Upper	
41	100		
69	88.4	70.0	105.0
39	68.6	53.6	80.4





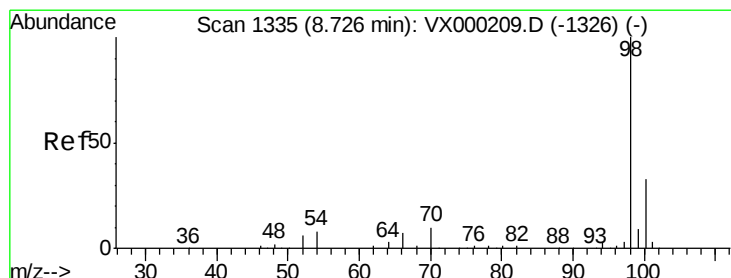
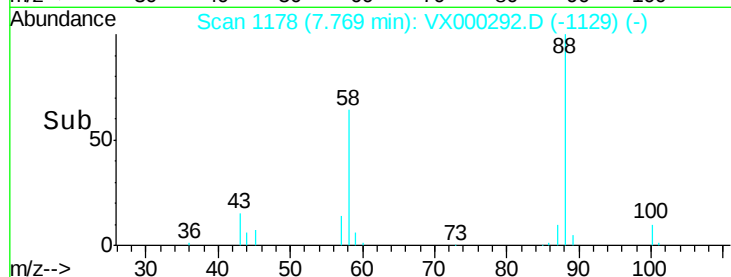
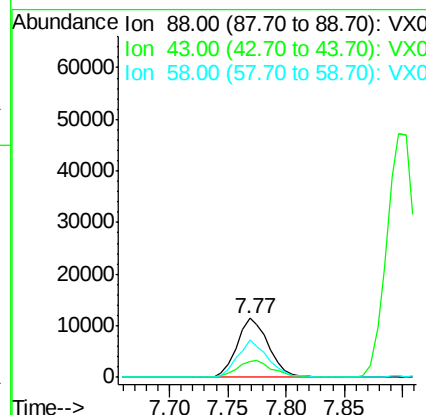
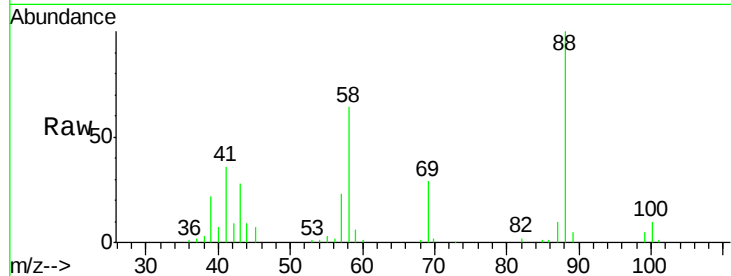
#49
1,4-Dioxane
Concen: 391.43 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	26.9	40.3
58	61.1	52.2	78.4

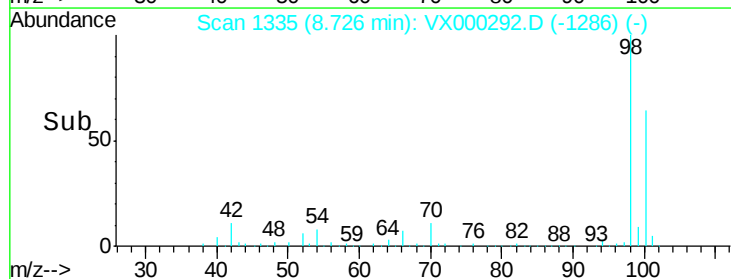
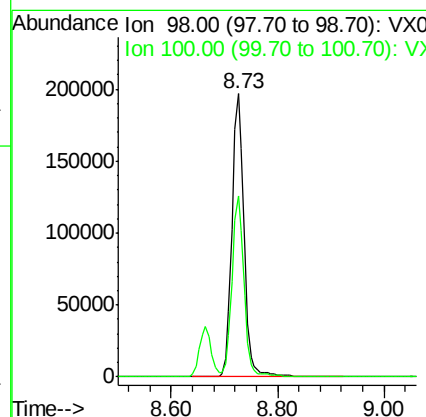
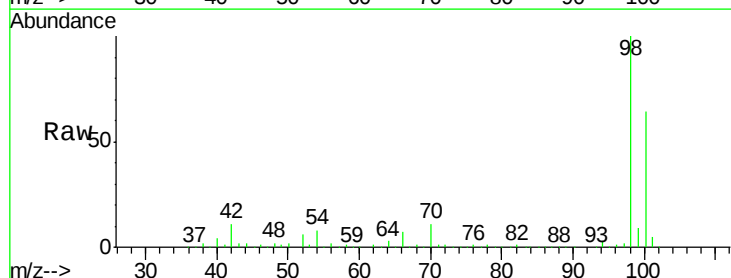
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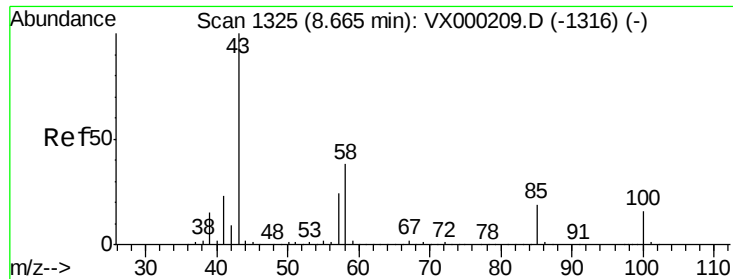
sam
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#50
Toluene-d8
Concen: 45.94 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 95.08 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampled :

VX0313WBS01

Tot Ion: 43 Resp: 354200

Ion Ratio Lower Upper

43 100

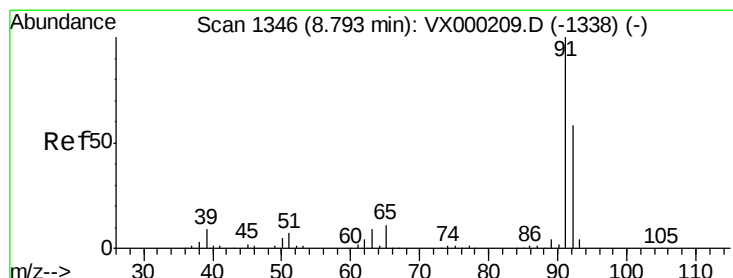
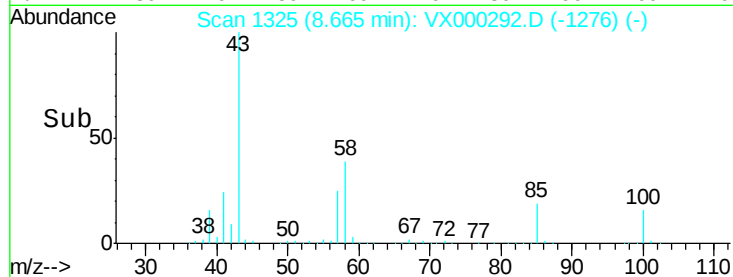
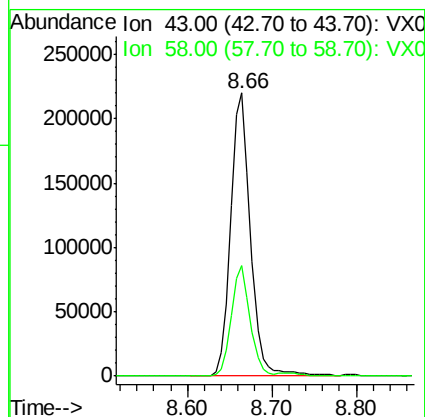
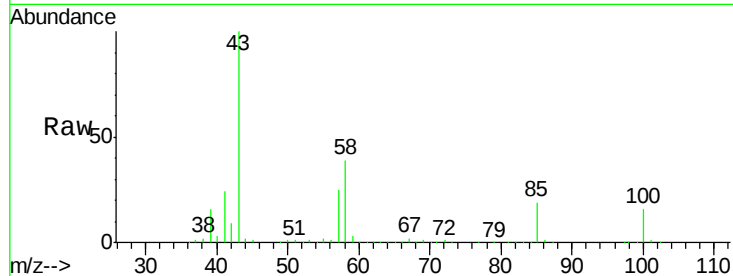
58 36.7 30.2 45.2

Manual Integrations

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#52

Toluene

Concen: 20.25 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000292.D

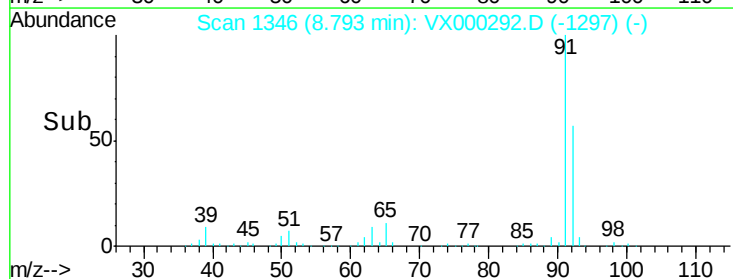
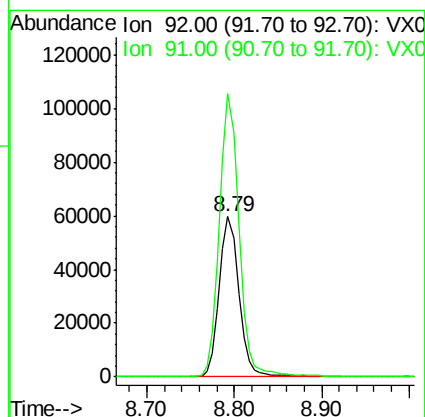
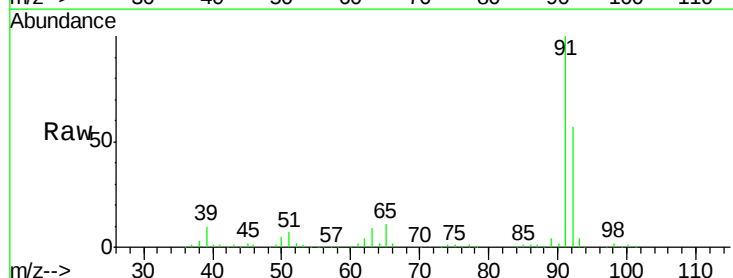
Acq: 13 Mar 2018 11:33

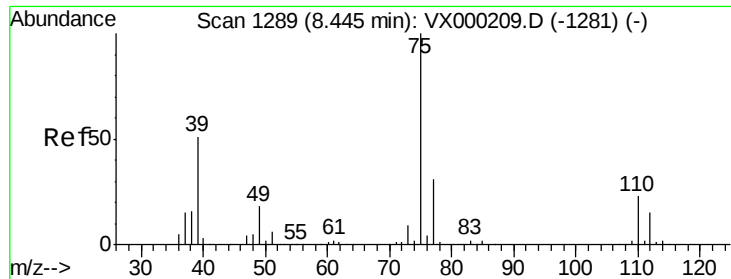
Tgt Ion: 92 Resp: 94529

Ion Ratio Lower Upper

92 100

91 174.4 139.0 208.6





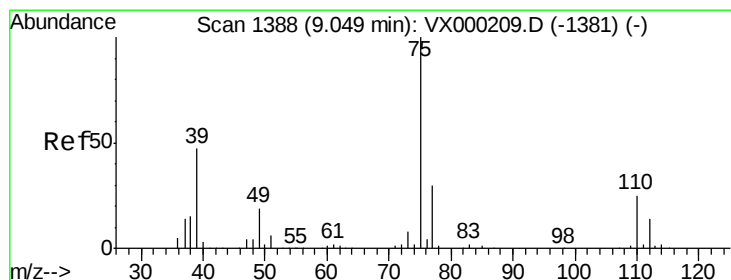
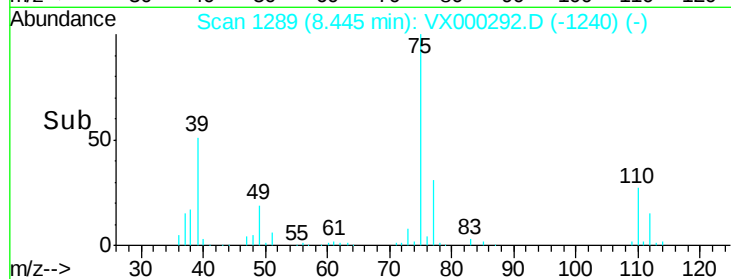
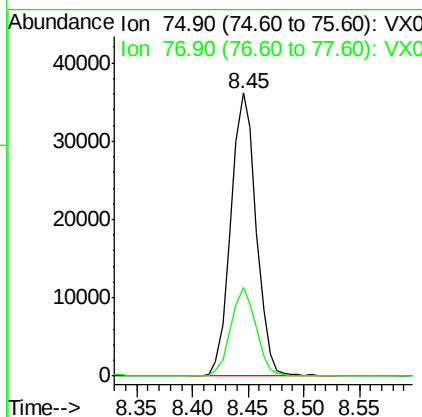
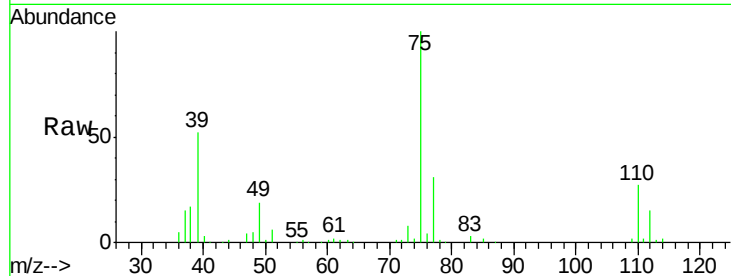
#53
 t-1,3-Dichloropropene
 Concen: 20.13 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2

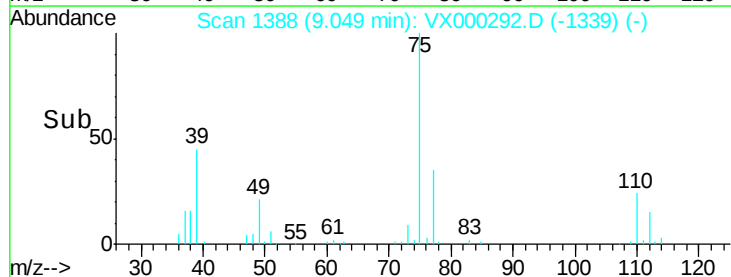
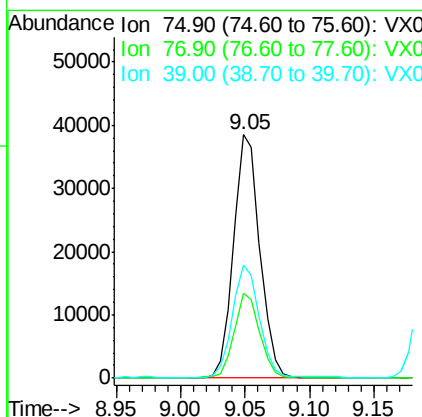
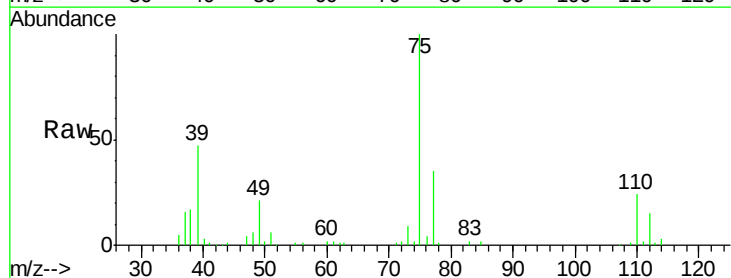
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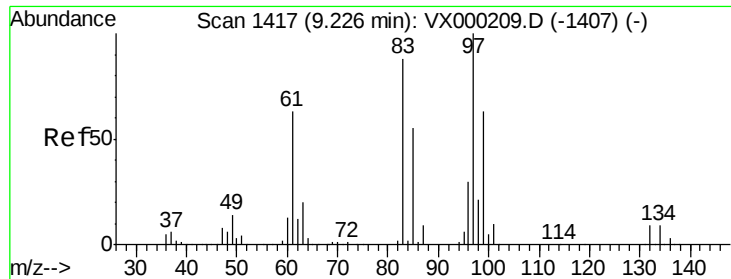
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 20.06 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.7	23.9	35.9
39	46.6	37.4	56.2





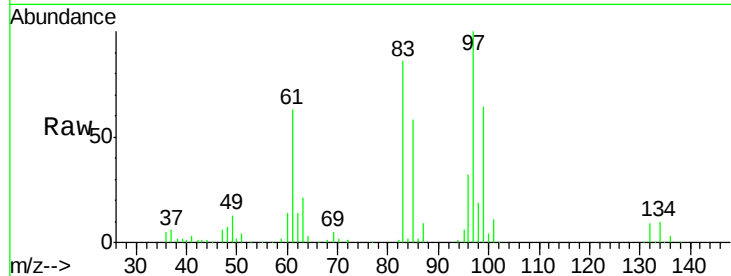
#55
 1,1,2-Trichloroethane
 Concen: 20.70 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

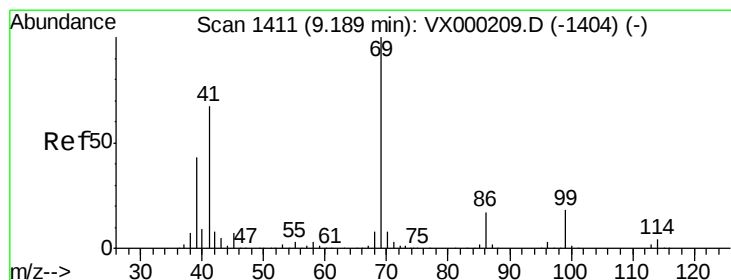
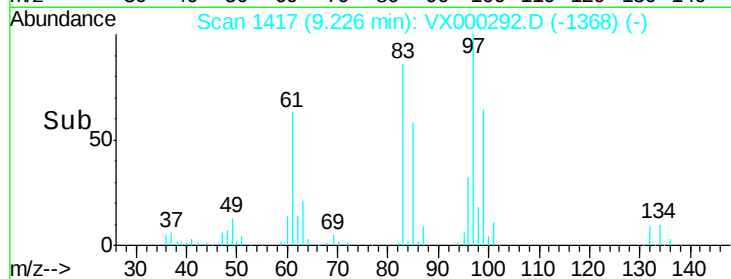
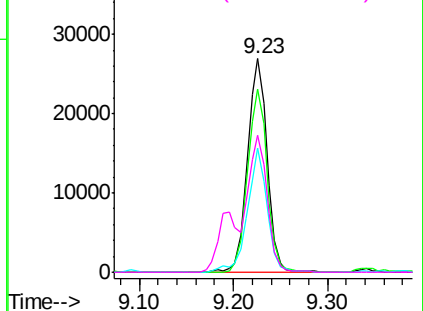
Tot Ion:	97	Resp:	39145
Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.4	105.6
85	58.3	43.9	65.9
99	64.3	50.5	75.7

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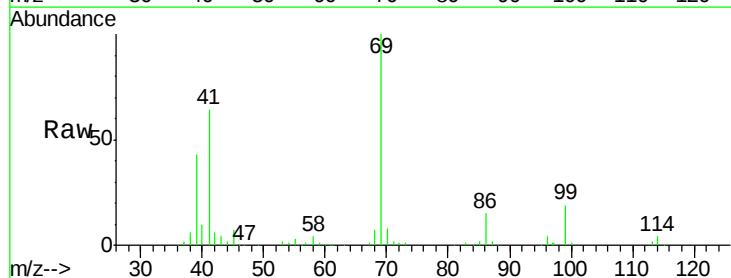


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

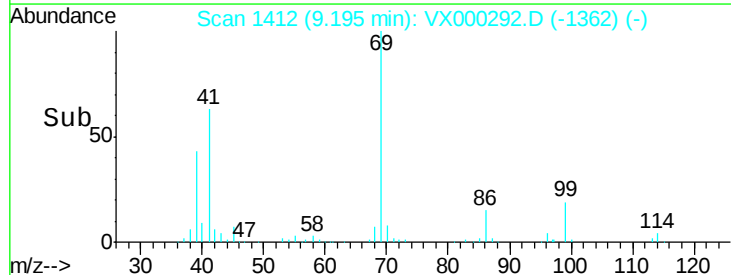
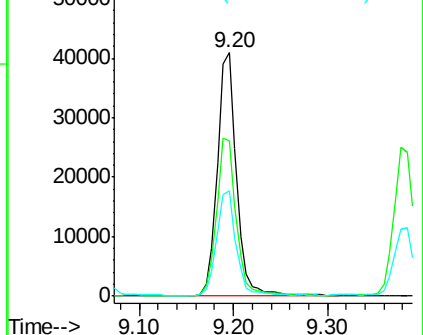


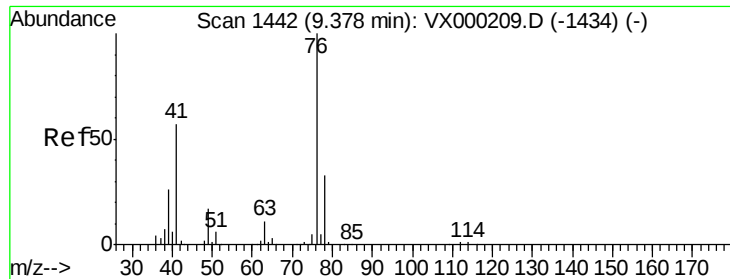
#56
 Ethyl methacrylate
 Concen: 20.53 ug/l
 RT: 9.20 min Scan# 1412
 Delta R.T. 0.01 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Tgt Ion:	69	Resp:	58097
Ion	Ratio	Lower	Upper
69	100		
41	66.8	52.2	78.2
39	43.4	34.3	51.5



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





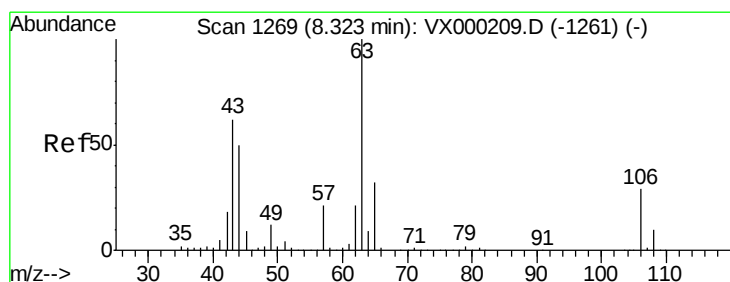
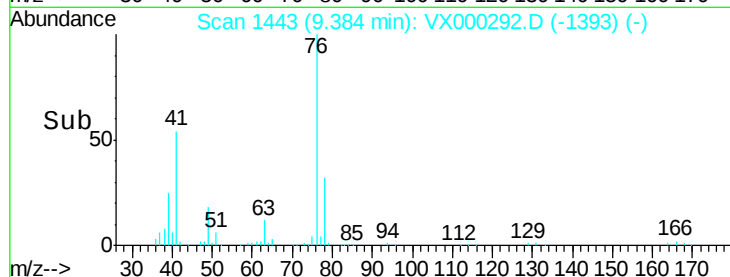
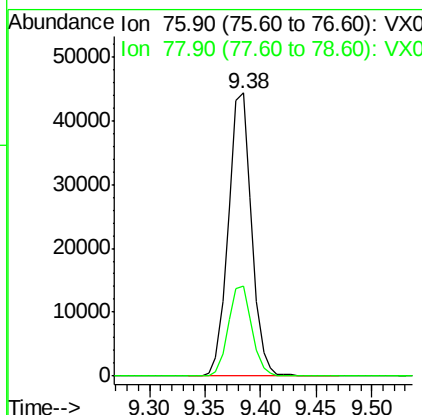
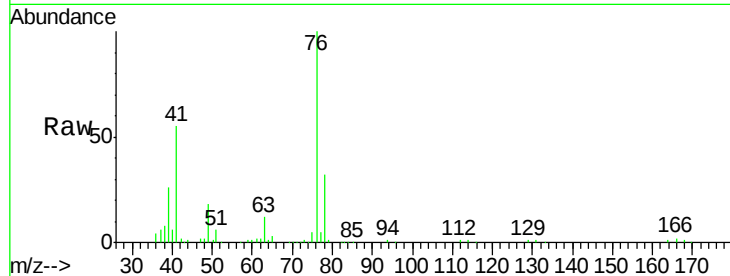
#57
 1,3-Dichloropropane
 Concen: 20.13 ug/l
 RT: 9.38 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Tot Ion: 76 Resp: 63915
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

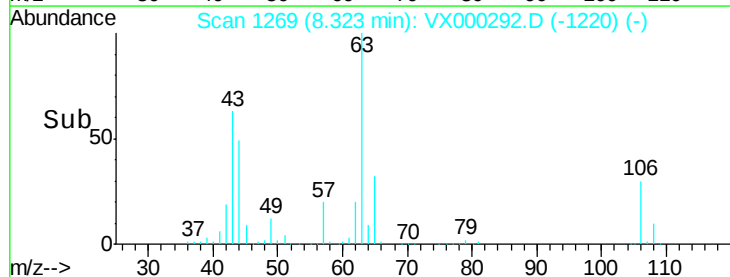
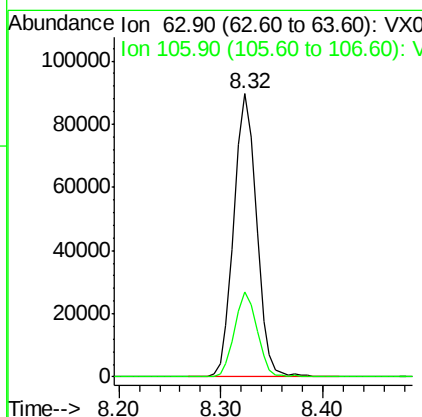
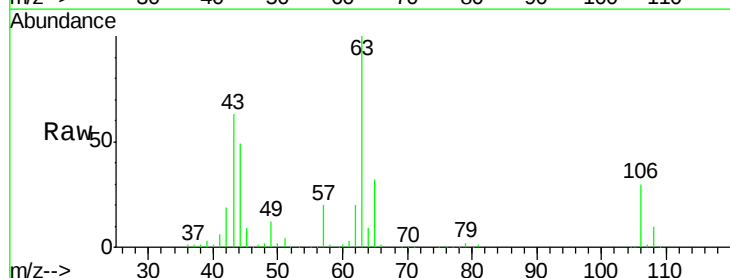
Manual Integrations
 APPROVED

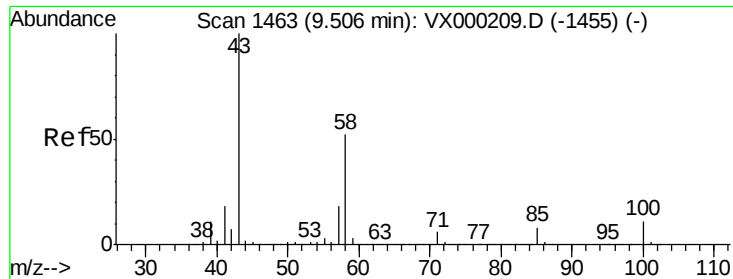
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 96.72 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Tgt Ion: 63 Resp: 138198
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.2 34.8





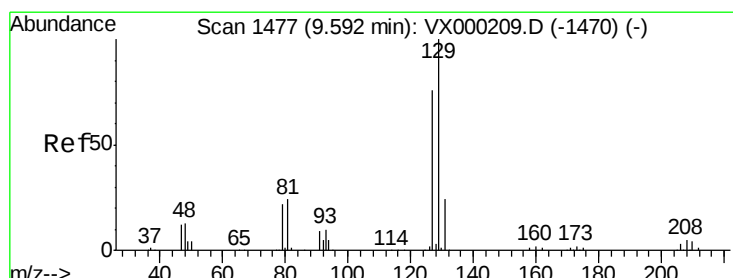
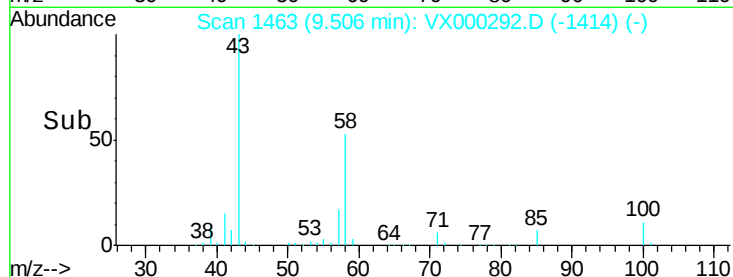
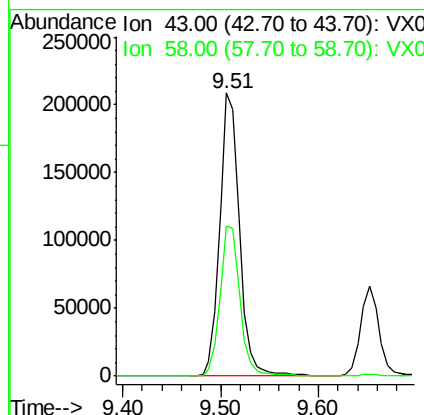
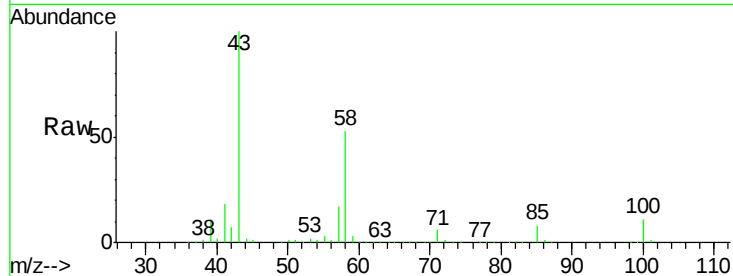
#59
2-Hexanone
Concen: 92.41 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion: 43 Resp: 293530
Ion Ratio Lower Upper
43 100
58 53.6 26.6 79.7

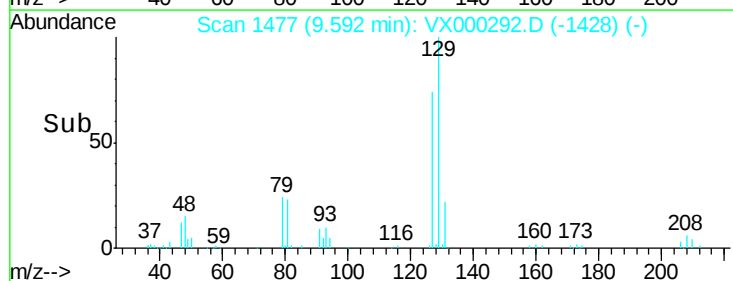
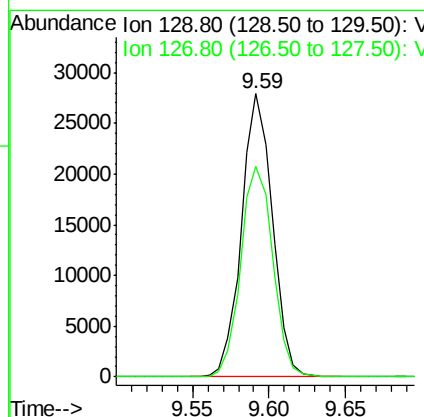
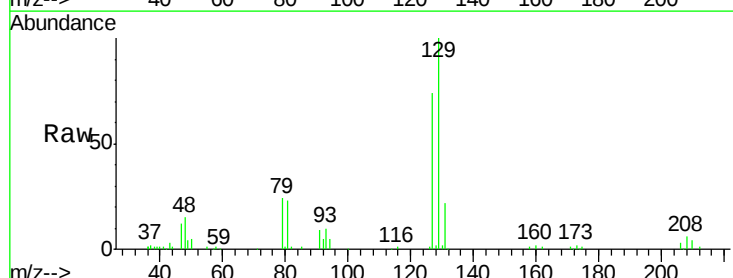
Manual Integrations
APPROVED

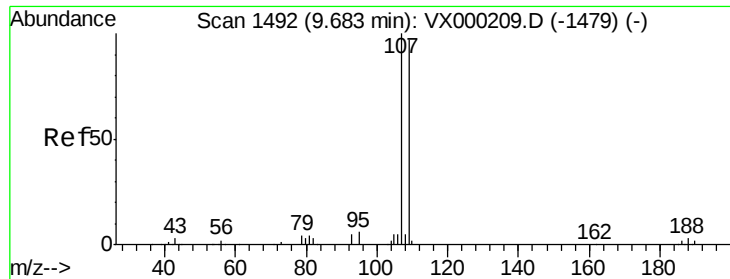
sam
3/14/2018 2:11:47 PM



#60
Dibromochloromethane
Concen: 19.71 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion: 129 Resp: 39301
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.31 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion:107 Resp: 42663

Ion Ratio Lower Upper

107 100

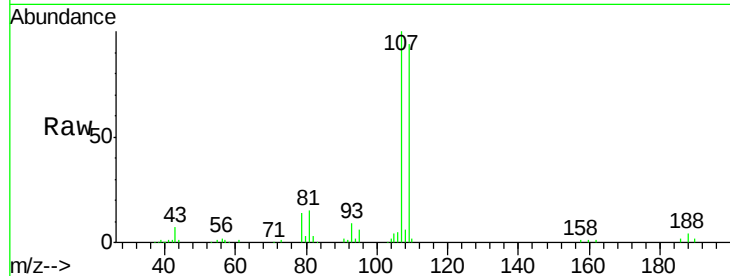
109 95.6 76.8 115.2

Manual Integrations

APPROVED

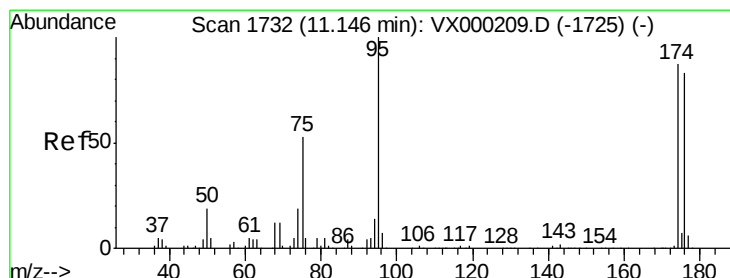
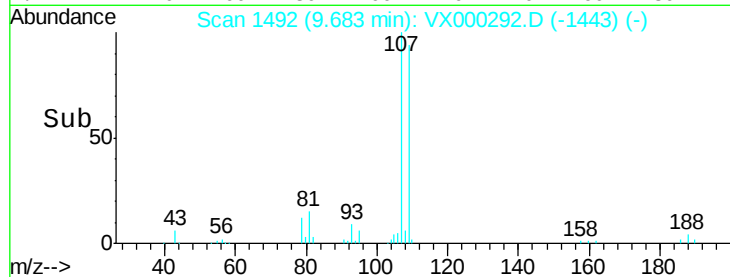
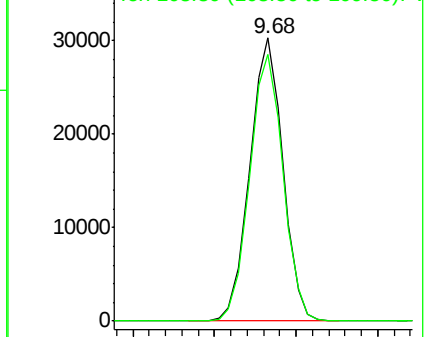
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.19 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

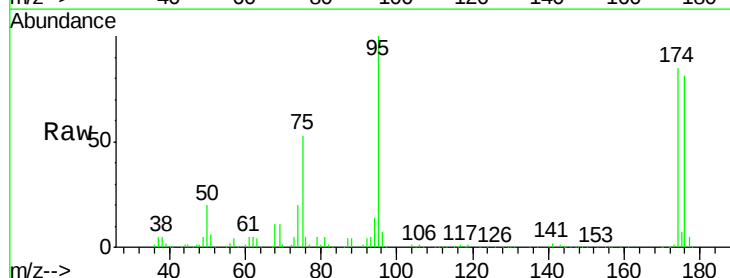
Tgt Ion: 95 Resp: 121822

Ion Ratio Lower Upper

95 100

174 88.6 0.0 175.6

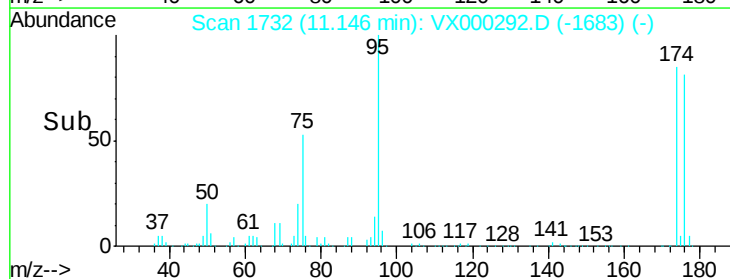
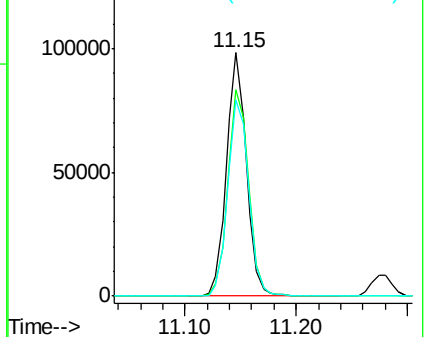
176 84.9 0.0 171.0

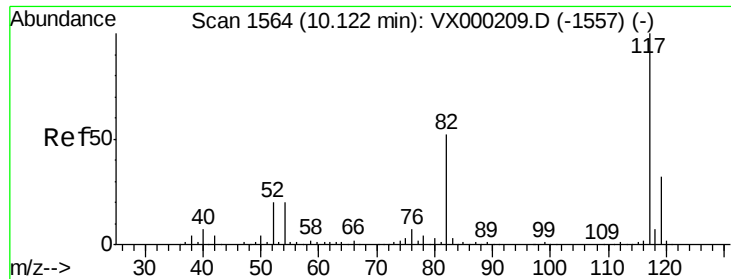


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





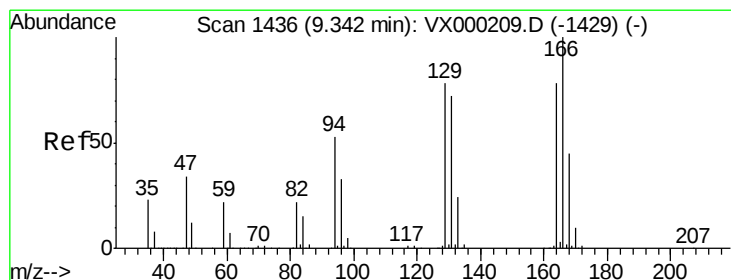
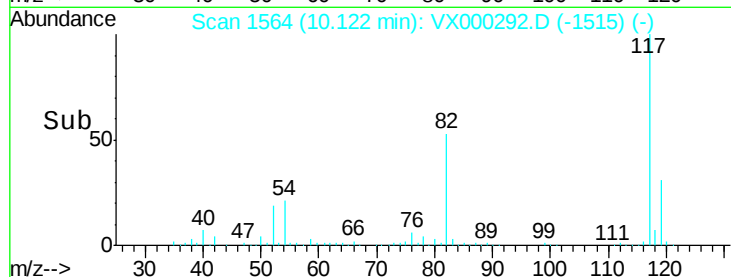
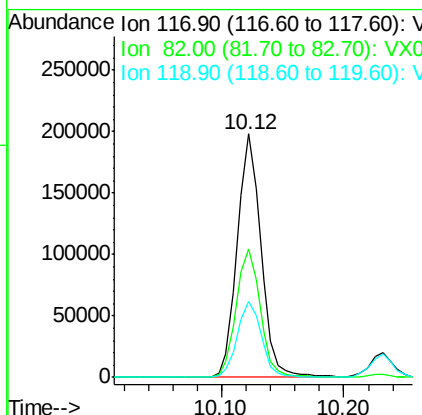
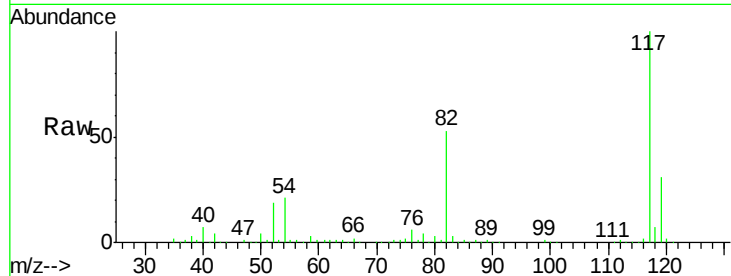
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampled :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.0	63.0
119	31.2	25.3	37.9

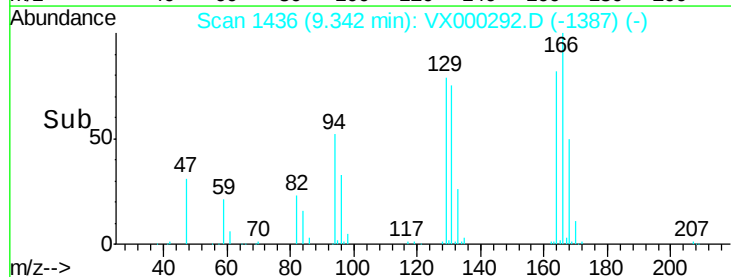
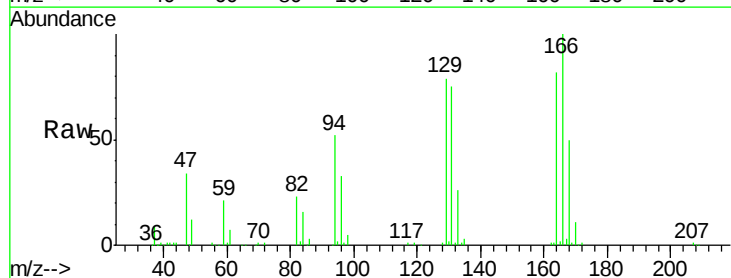
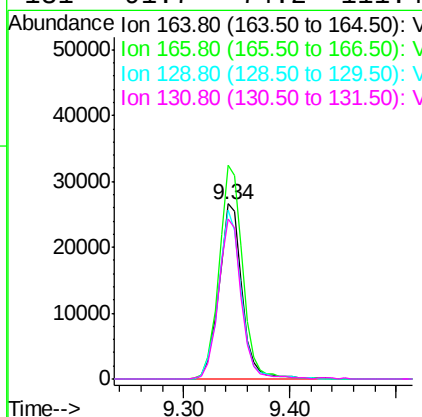
Manual Integrations
APPROVED

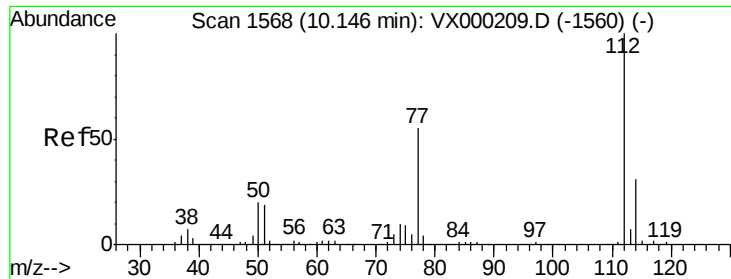
sam
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#64
Tetrachloroethene
Concen: 21.64 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	103.0	154.6
129	96.4	80.2	120.4
131	91.7	74.2	111.4





#65

Chlorobenzene

Concen: 20.87 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampled :

VX0313WBS01

Tot Ion:112 Resp: 112065

Ion Ratio Lower Upper

112 100

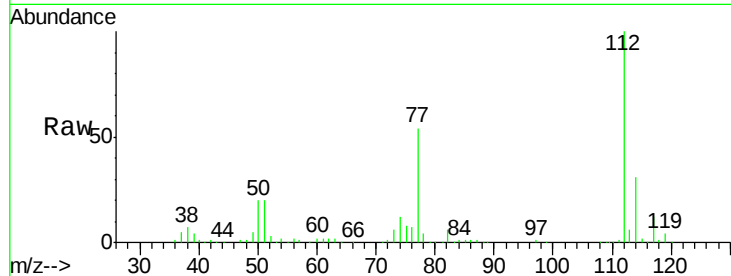
114 31.1 25.0 37.4

Manual Integrations

APPROVED

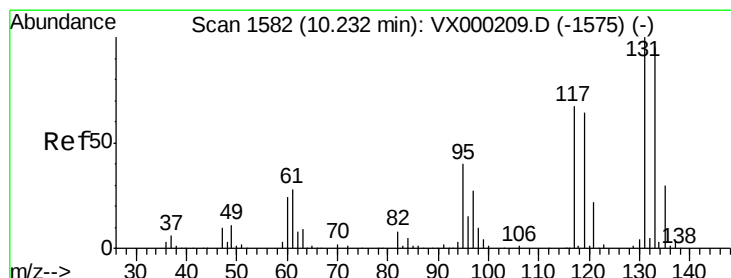
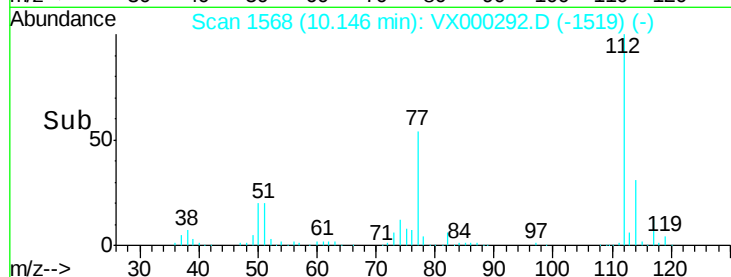
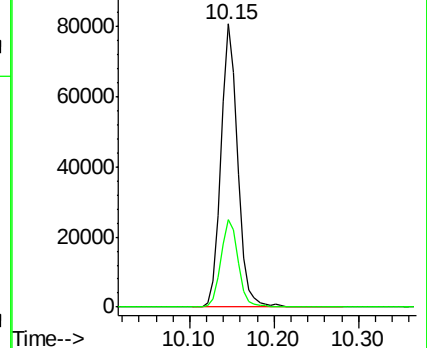
sam

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.45 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

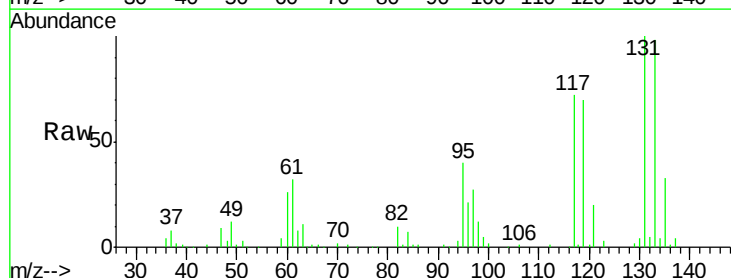
Tgt Ion:131 Resp: 37537

Ion Ratio Lower Upper

131 100

133 96.3 48.3 144.9

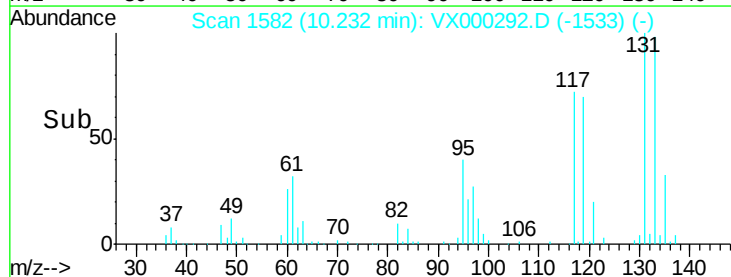
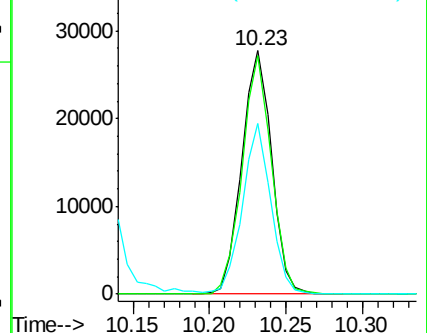
119 66.8 32.3 96.8

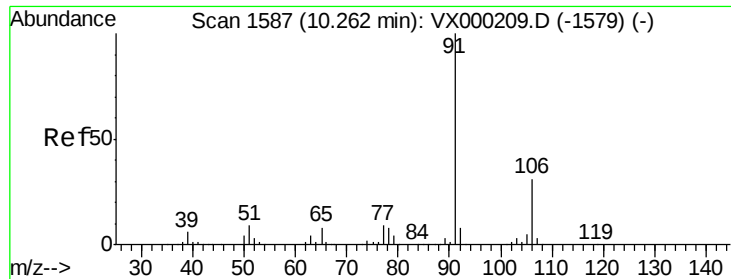


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





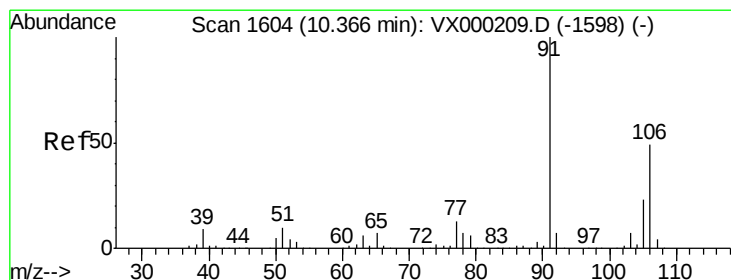
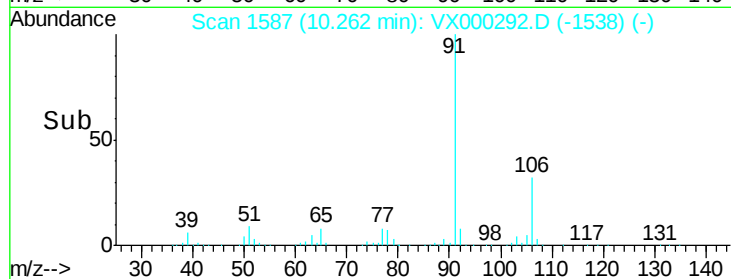
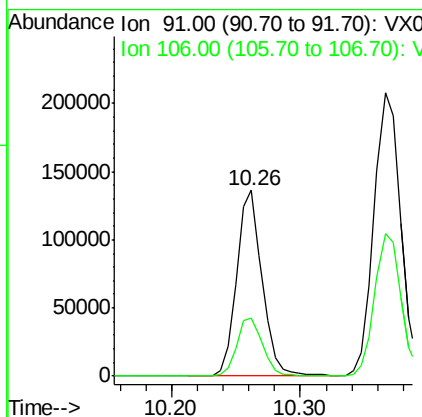
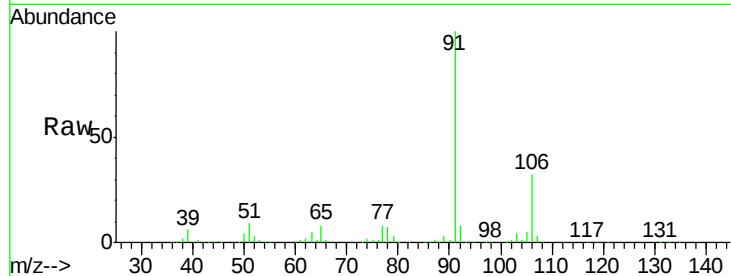
#67
Ethyl Benzene
Concen: 20.02 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion: 91 Resp: 187632
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

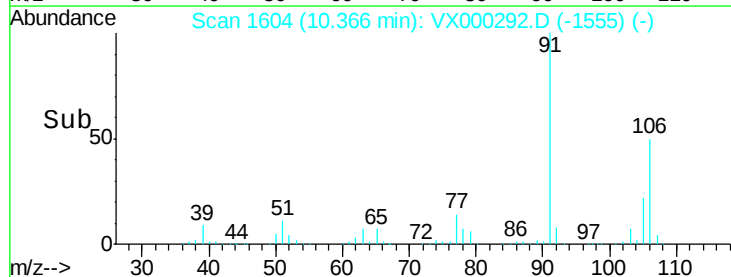
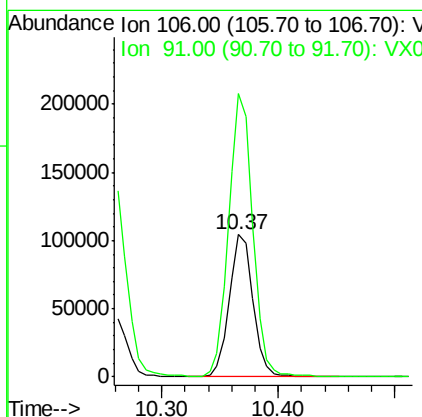
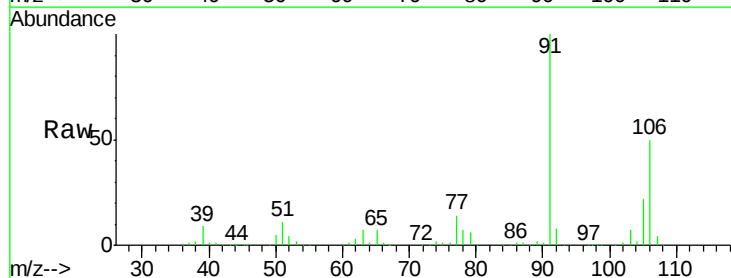
Manual Integrations
APPROVED

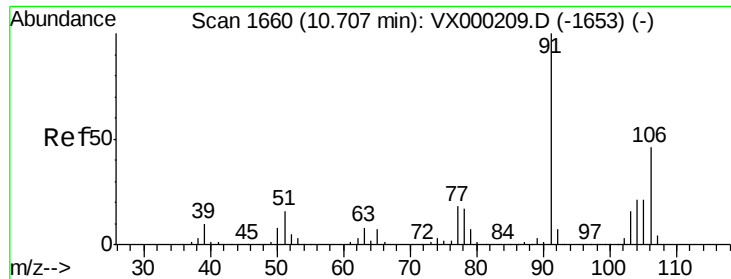
sam
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#68
m/p-Xylenes
Concen: 41.06 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion: 106 Resp: 148118
Ion Ratio Lower Upper
106 100
91 201.7 160.9 241.3





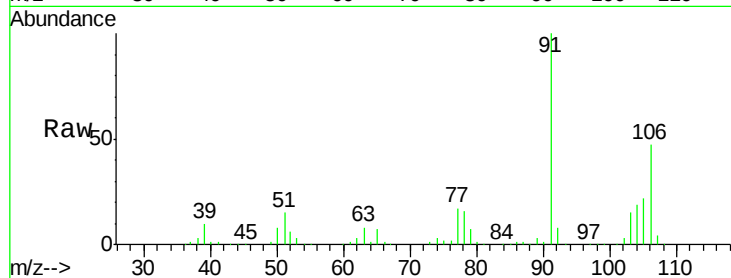
#69
o-Xylene
Concen: 20.71 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampled :
VX0313WBS01

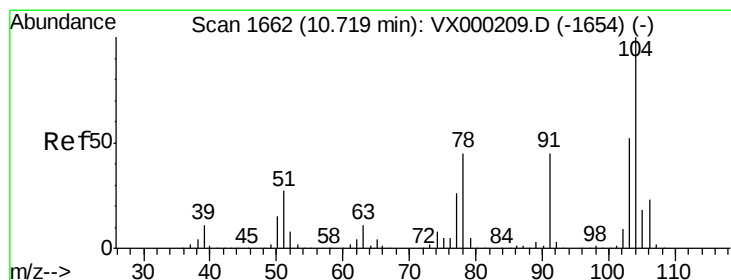
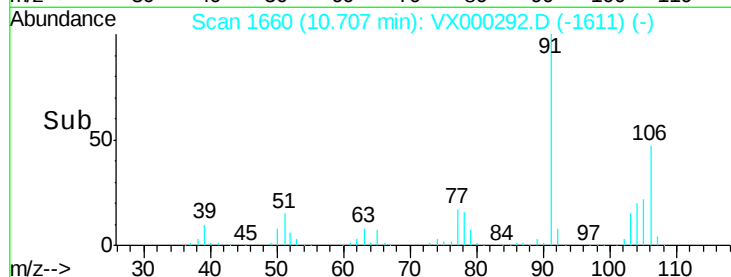
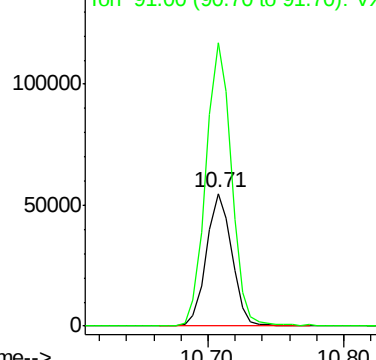
Tot Ion:106 Resp: 71811
Ion Ratio Lower Upper
106 100
91 214.9 105.9 317.7

Manual Integrations
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sam
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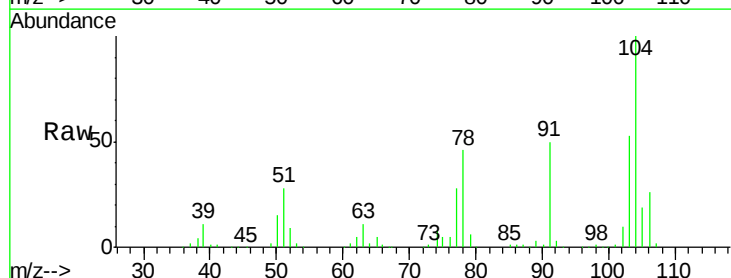


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

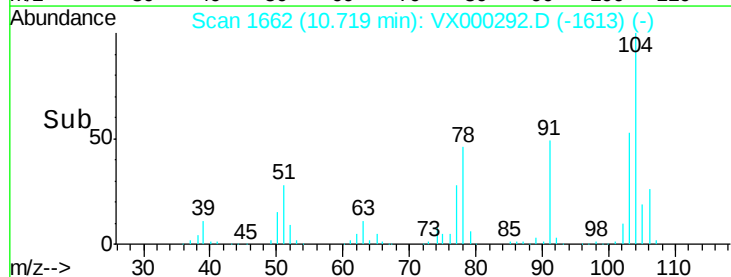
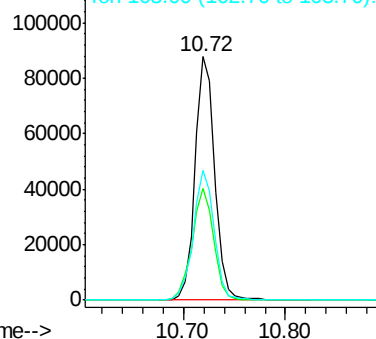


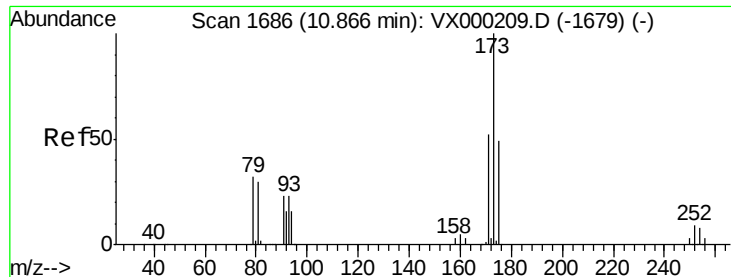
#70
Styrene
Concen: 20.40 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion:104 Resp: 117319
Ion Ratio Lower Upper
104 100
78 50.6 39.6 59.4
103 57.1 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.28 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion:173 Resp: 30299

Ion Ratio Lower Upper

173 100

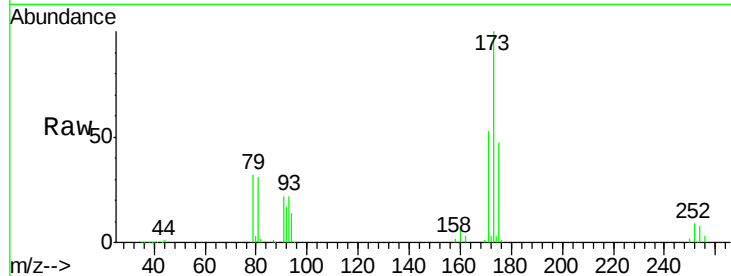
175 47.9 24.4 73.2

254 0.0 0.2 0.2#

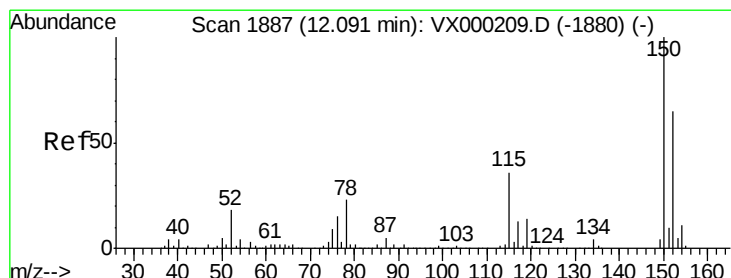
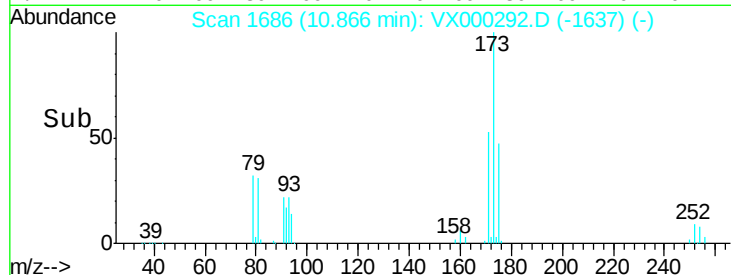
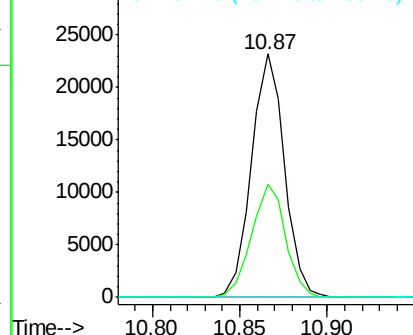
Manual Integrations
APPROVED

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

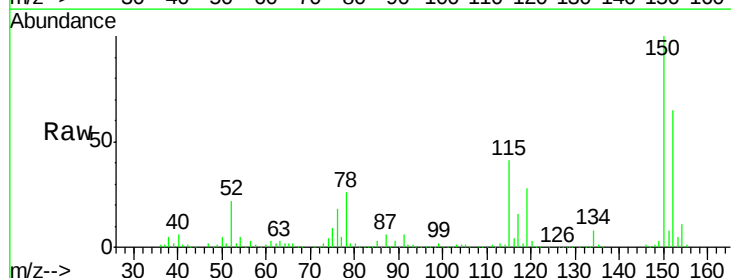
Tgt Ion:152 Resp: 151965

Ion Ratio Lower Upper

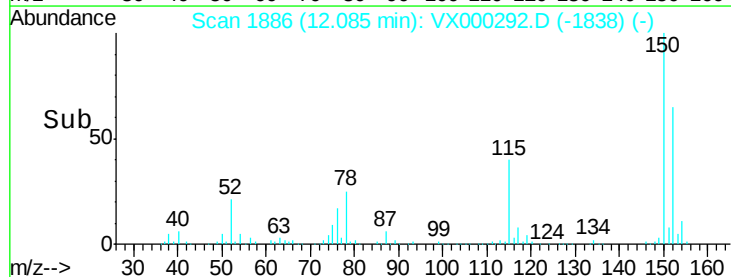
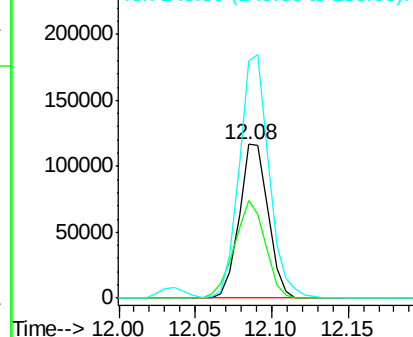
152 100

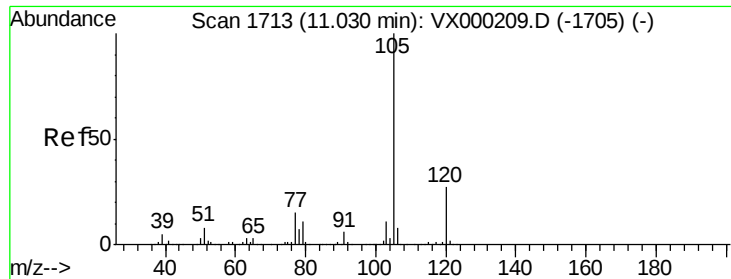
115 67.7 39.8 119.3

150 163.3 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.84 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion:105 Resp: 198310

Ion Ratio Lower Upper

105 100

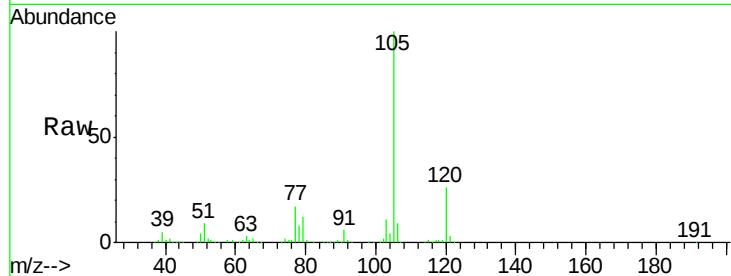
120 26.6 13.5 40.4

Manual Integrations

APPROVED

sam

3/14/2018 2:11:47 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

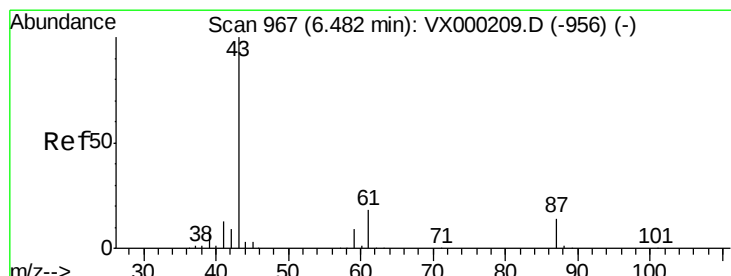
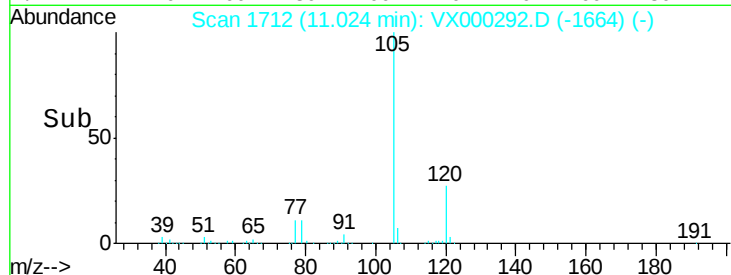
50000

0

11.02

11.00 11.10

Time-->



#74

N-ethyl acetate

Concen: 19.27 ug/l

RT: 6.48 min Scan# 967

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Tgt Ion: 43 Resp: 93804

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.9 14.8 22.2

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

50000

40000

30000

20000

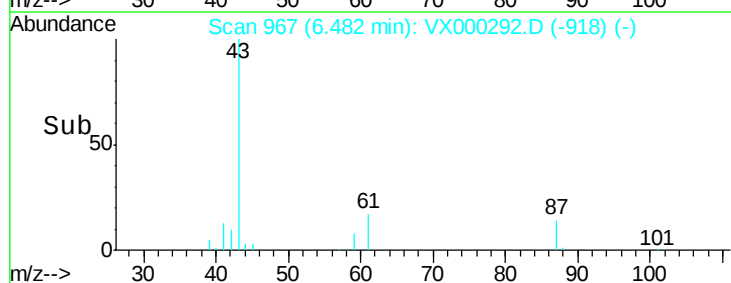
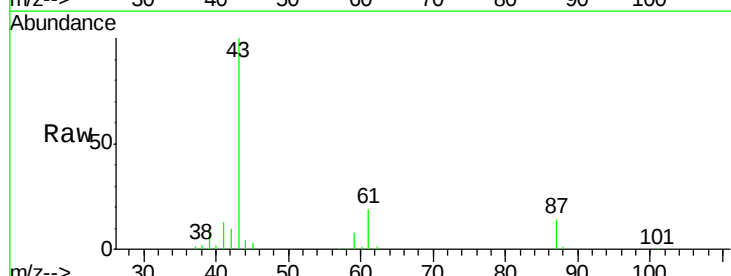
10000

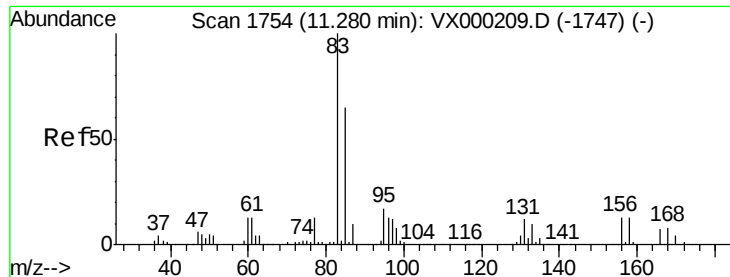
0

6.48

6.40 6.50 6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.98 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

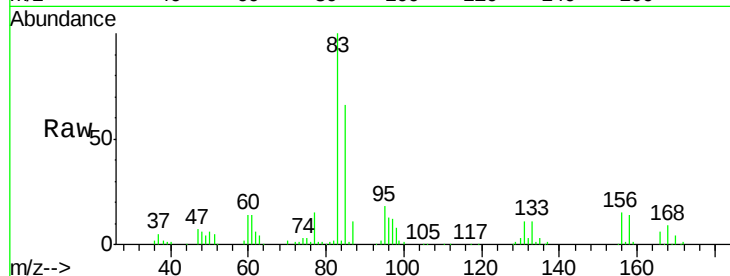
ClientSampled :

VX0313WBS01

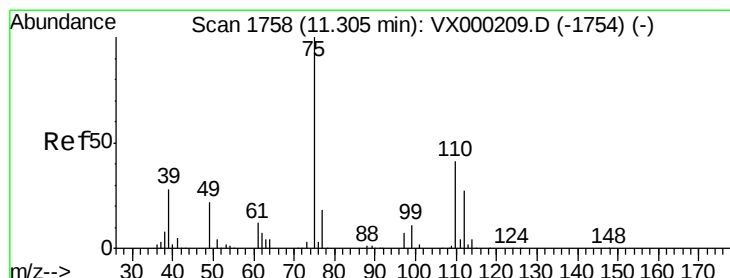
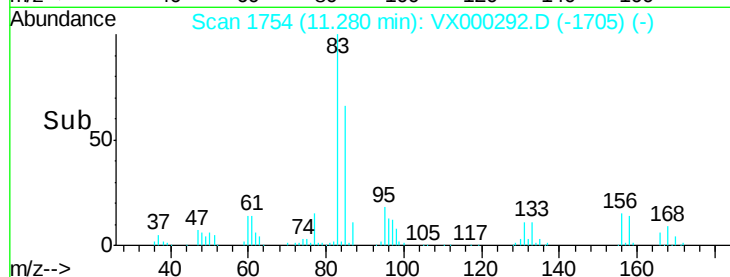
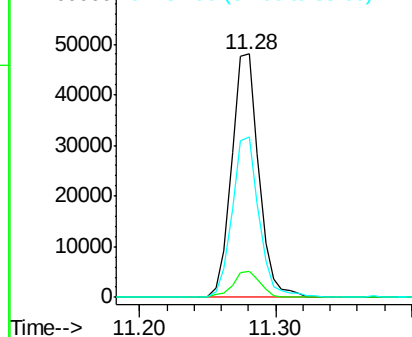
Tot Ion:	83	Resp:	66656
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.5
85	65.1	32.5	97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.71 ug/l m

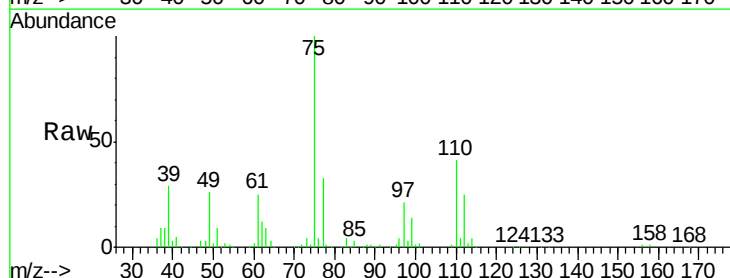
RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

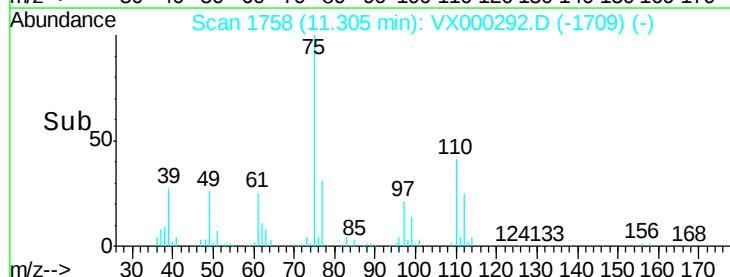
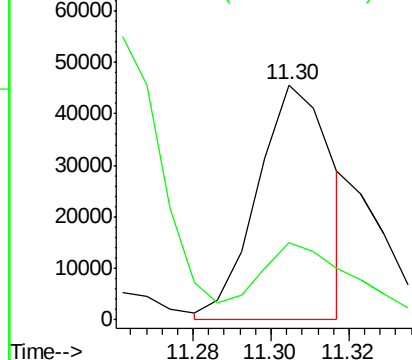
Lab File: VX000292.D

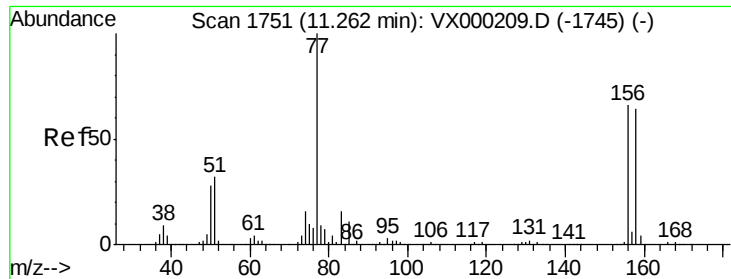
Acq: 13 Mar 2018 11:33

Tgt Ion:	75	Resp:	60046
Ion Ratio	Lower	Upper	
75	100		
77	42.1	22.3	66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.46 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion:156 Resp: 50319

Ion Ratio Lower Upper

156 100

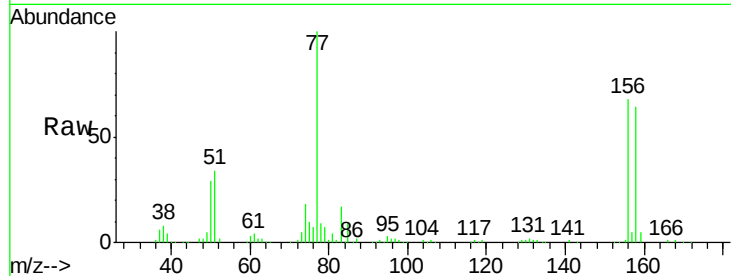
77 142.6 71.9 215.7

158 95.3 48.0 144.2

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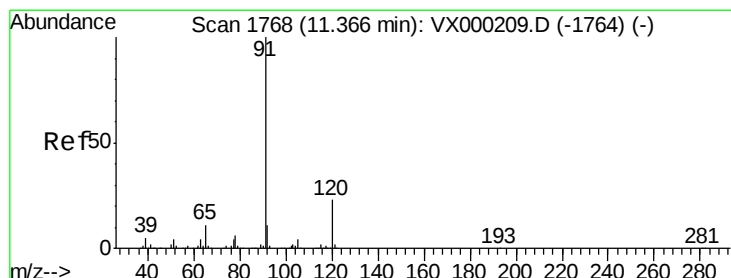
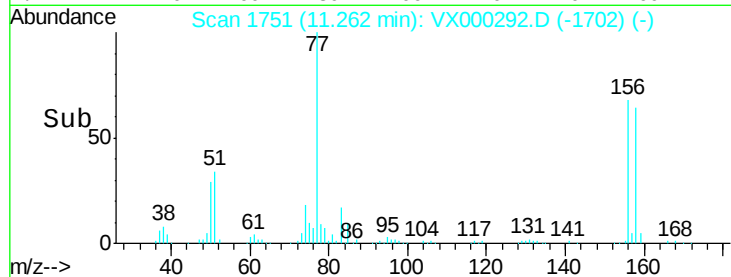
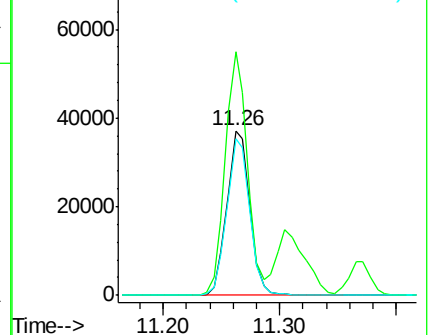
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.35 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VX000292.D

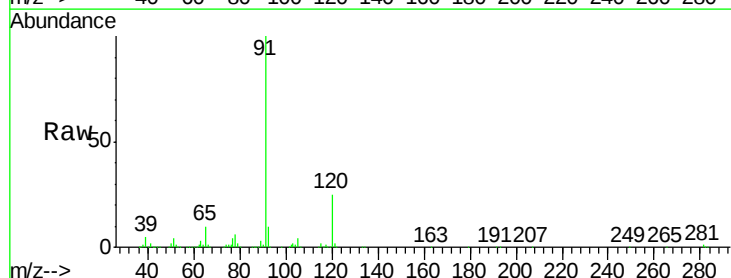
Acq: 13 Mar 2018 11:33

Tgt Ion: 91 Resp: 227836

Ion Ratio Lower Upper

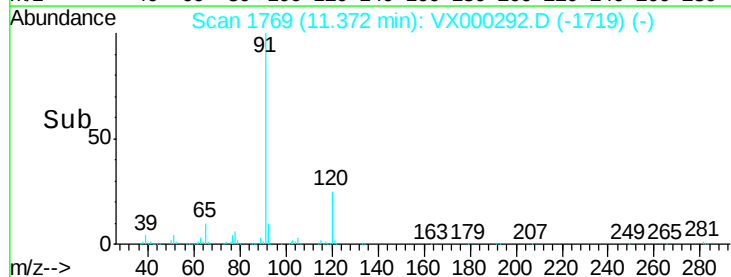
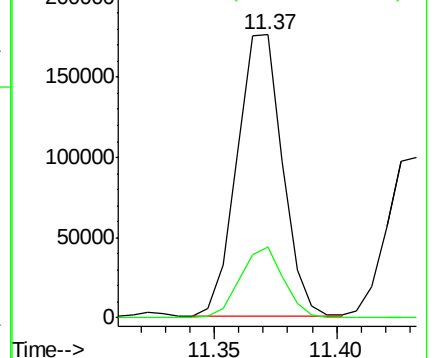
91 100

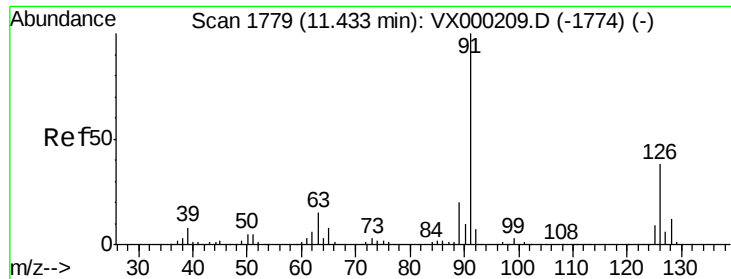
120 24.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.78 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampled :

VX0313WBS01

Tot Ion: 91 Resp: 131255

Ion Ratio Lower Upper

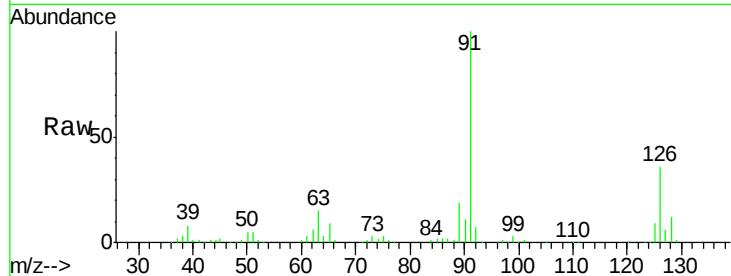
91 100

126 36.1 18.4 55.2

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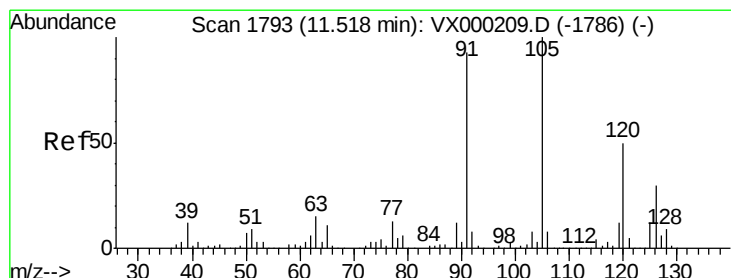
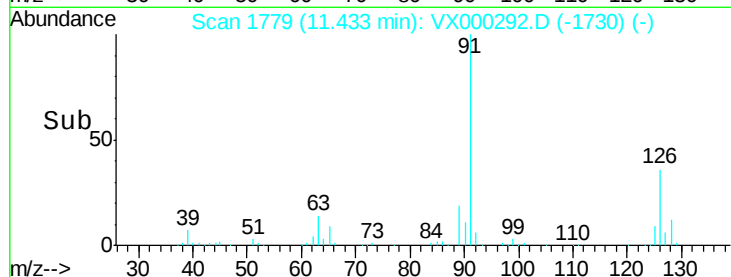
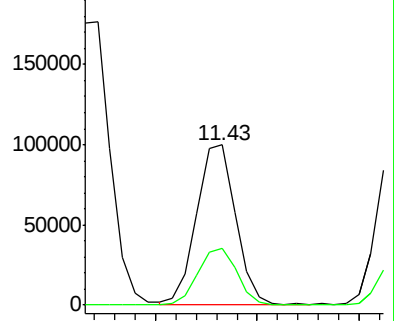
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.79 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX000292.D

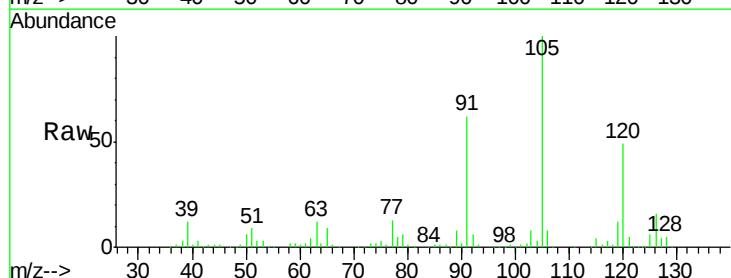
Acq: 13 Mar 2018 11:33

Tgt Ion: 105 Resp: 165146

Ion Ratio Lower Upper

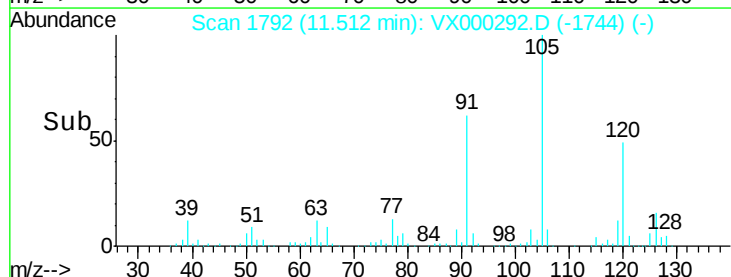
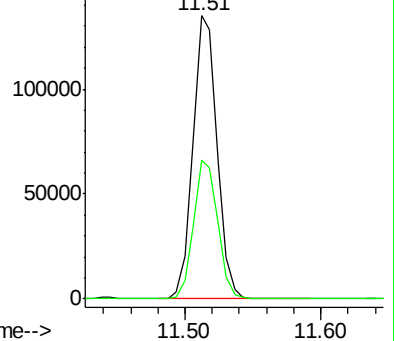
105 100

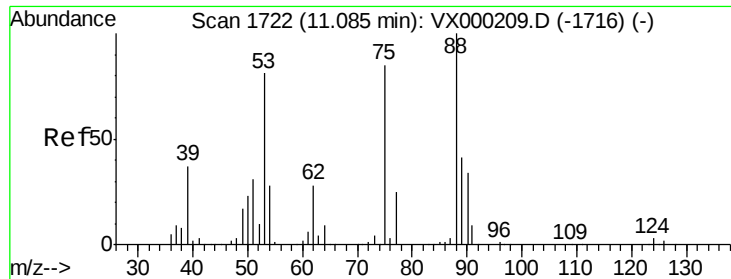
120 49.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





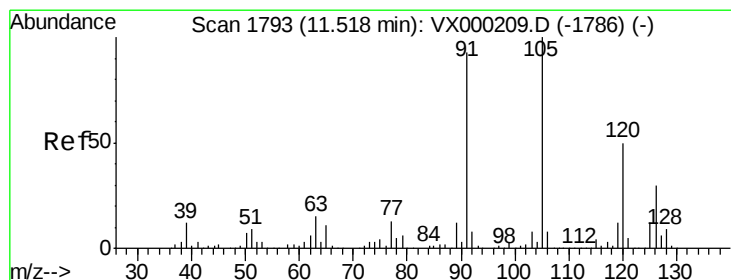
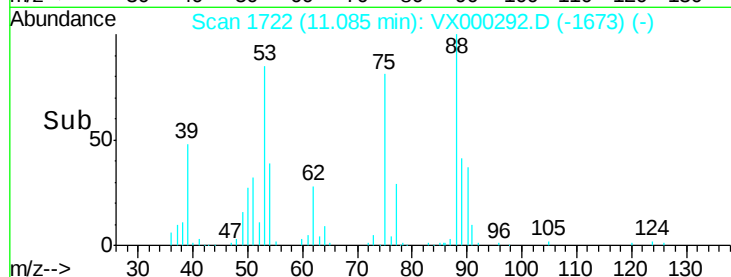
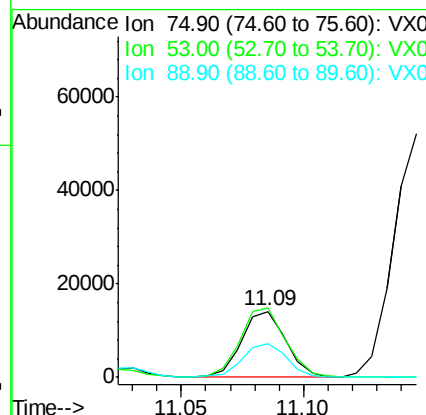
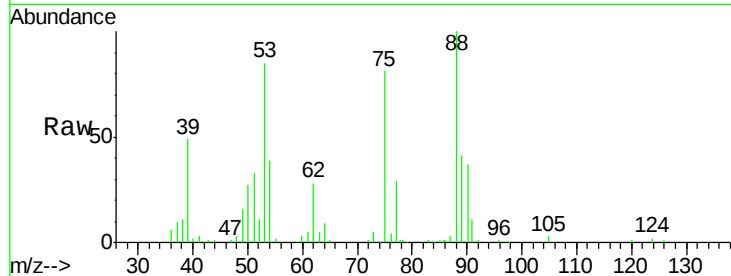
#81
trans-1,4-Dichloro-2-butene
Concen: 17.64 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.2	78.6	118.0
89	51.1	38.8	58.2

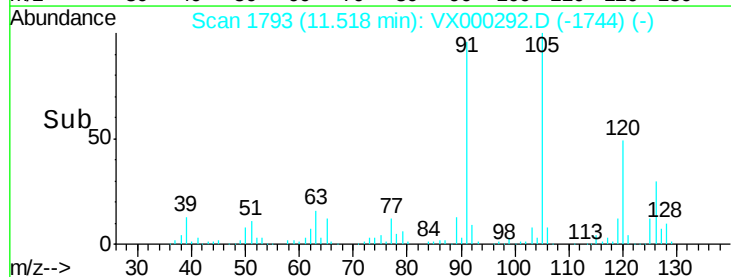
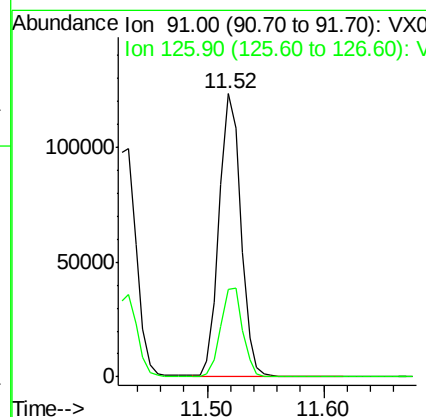
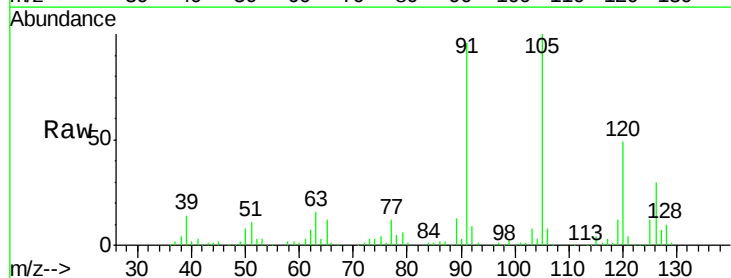
Manual Integrations
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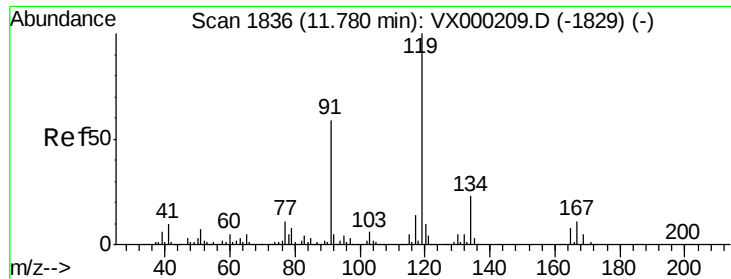
sam
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#82
4-Chlorotoluene
Concen: 20.70 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.0	48.0





#83

tert-Butylbenzene

Concen: 21.20 ug/l

RT: 11.78 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

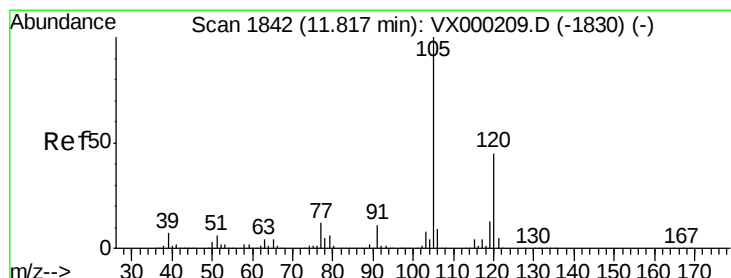
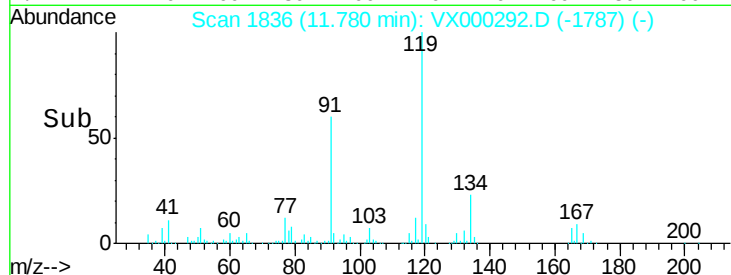
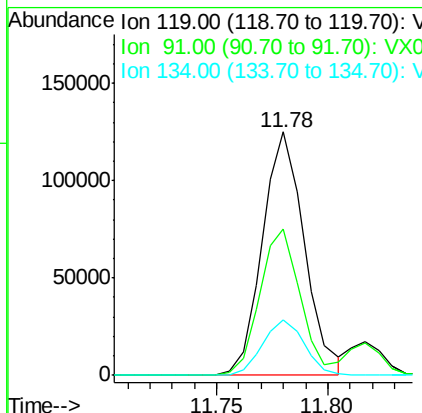
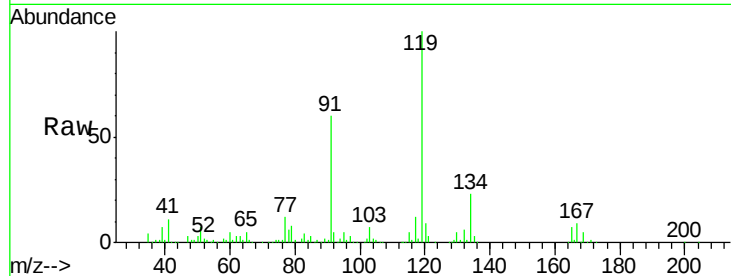
ClientSampleId :

VX0313WBS01

Tot Ion:	119	Resp:	163854
Ion Ratio	Lower	Upper	
119	100		
91	57.4	28.9	86.7
134	22.7	11.5	34.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.04 ug/l

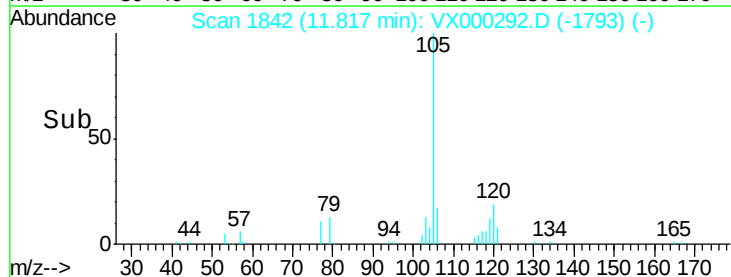
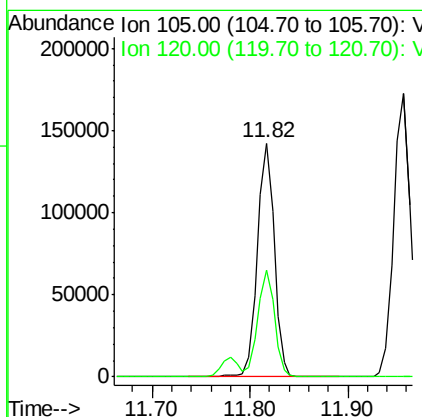
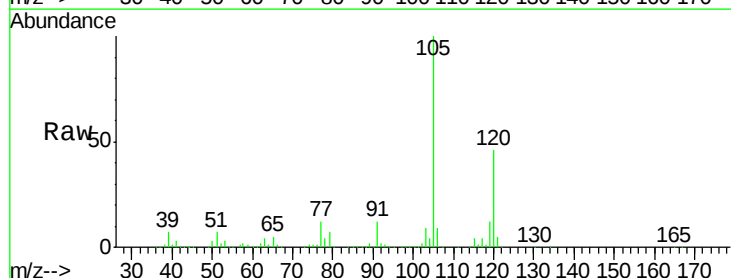
RT: 11.82 min Scan# 1842

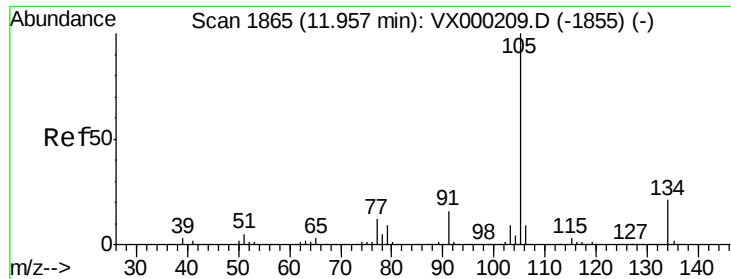
Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Tgt Ion:	105	Resp:	171888
Ion Ratio	Lower	Upper	
105	100		
120	45.3	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.90 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBS01

Tot Ion:105 Resp: 204317

Ion Ratio Lower Upper

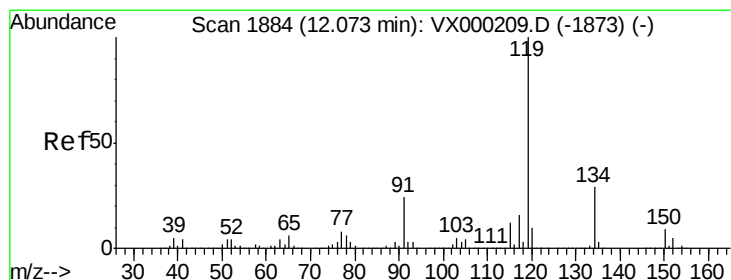
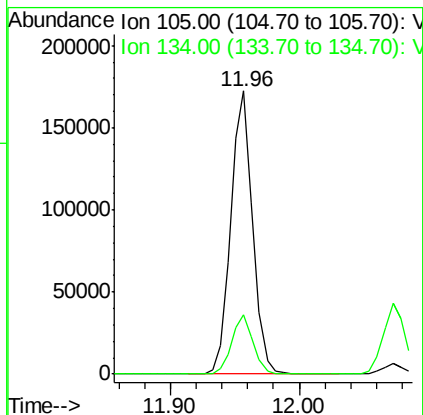
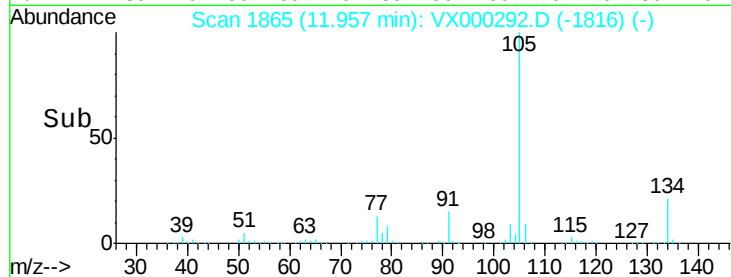
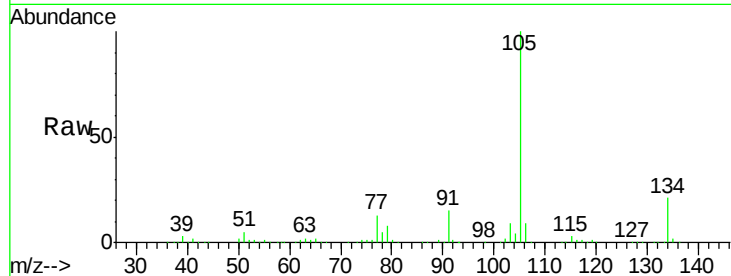
105 100

134 20.5 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 21.40 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

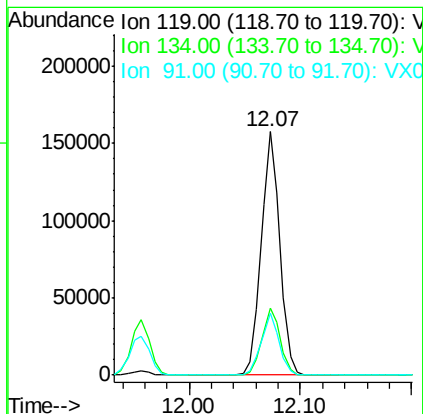
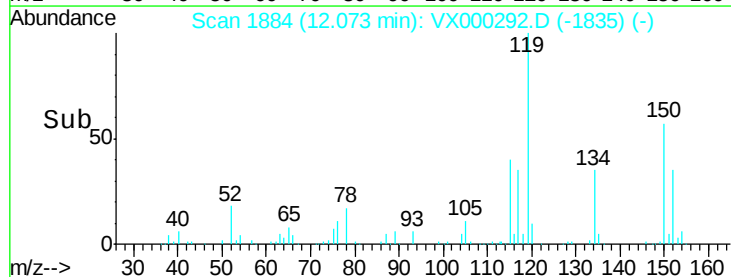
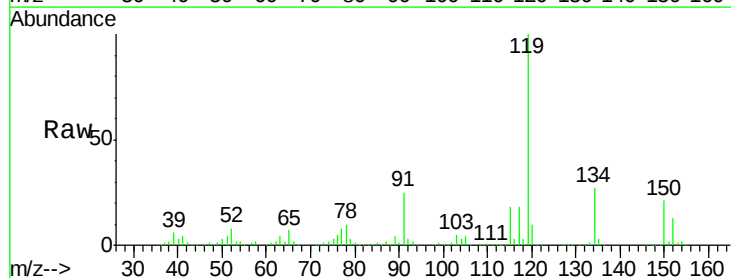
Tgt Ion:119 Resp: 184470

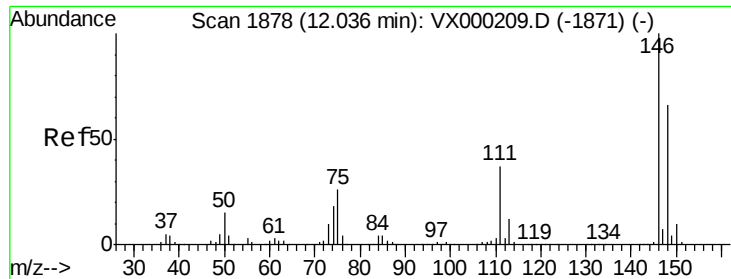
Ion Ratio Lower Upper

119 100

134 27.3 13.8 41.3

91 24.6 12.0 36.0





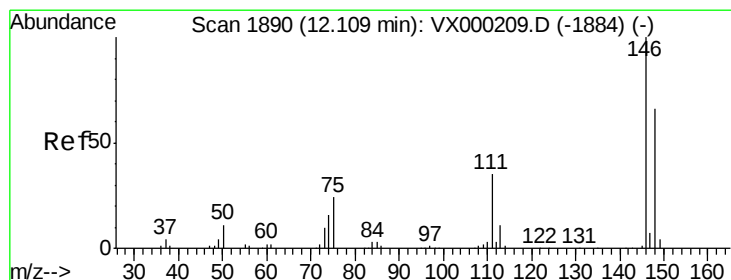
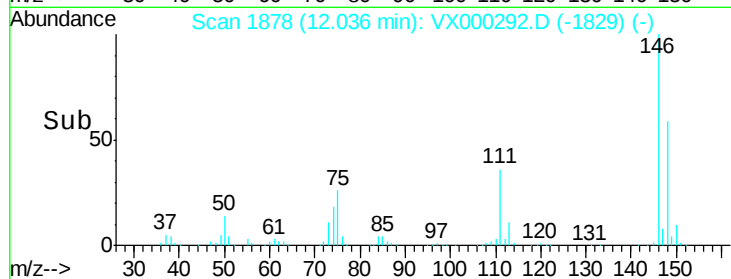
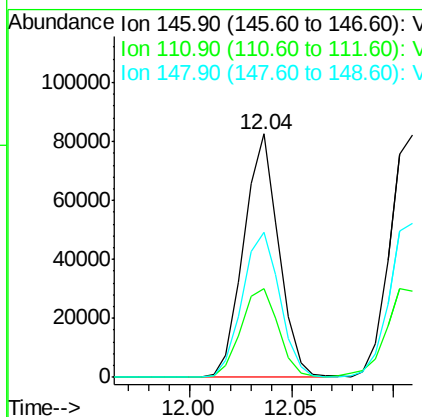
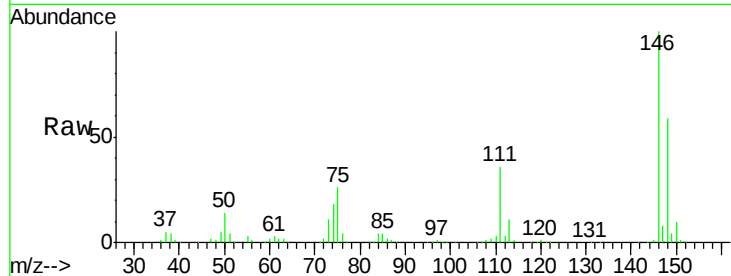
#87
 1,3-Dichlorobenzene
 Concen: 21.07 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.0	57.0
148	63.7	32.1	96.3

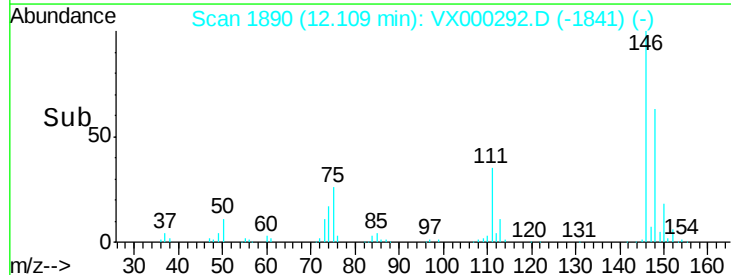
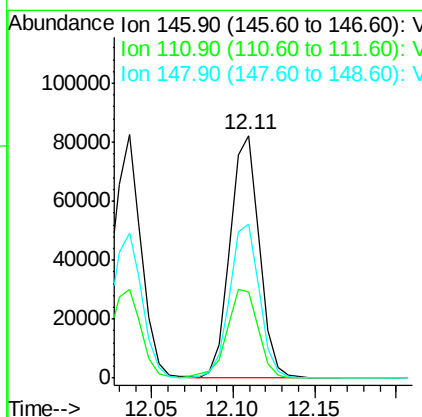
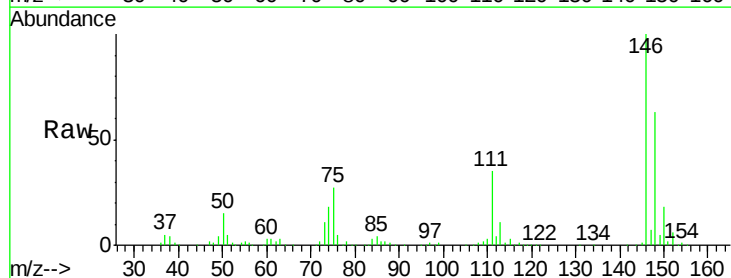
Manual Integrations
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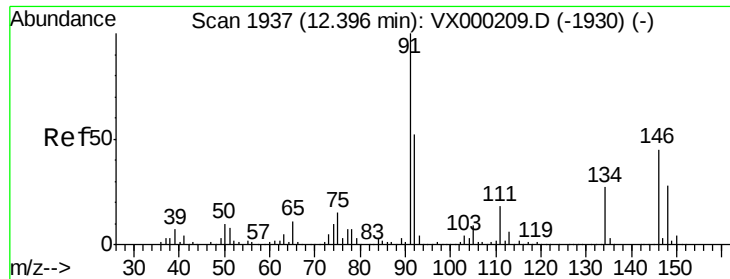
sam
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#88
 1,4-Dichlorobenzene
 Concen: 20.88 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.9	56.9
148	64.7	32.6	97.8





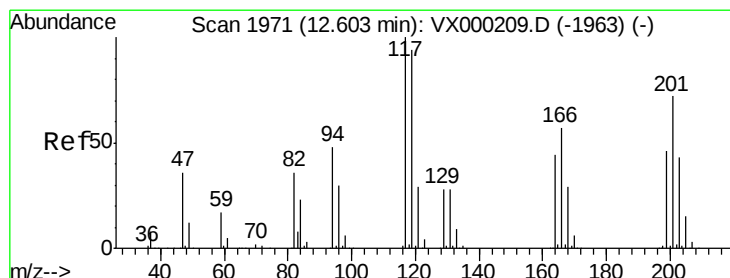
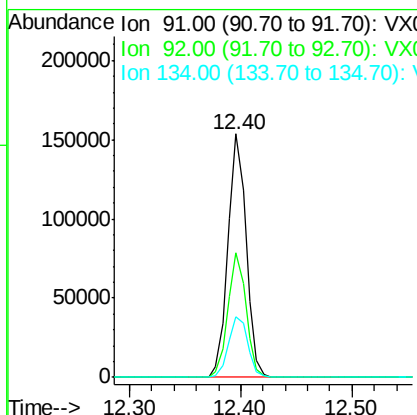
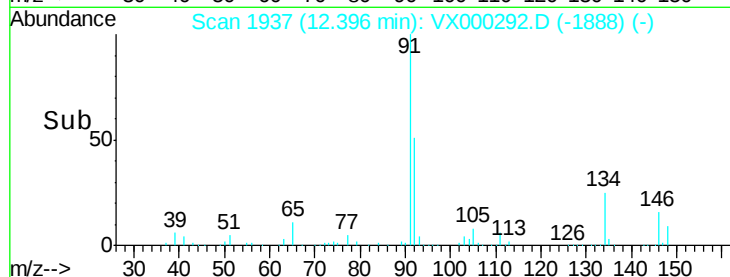
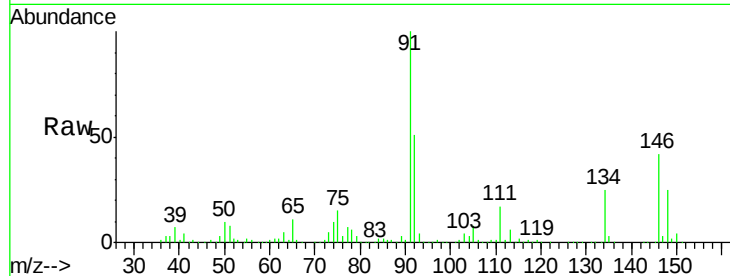
#89
n-Butylbenzene
Concen: 20.94 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.8	77.4
134	26.4	13.5	40.5

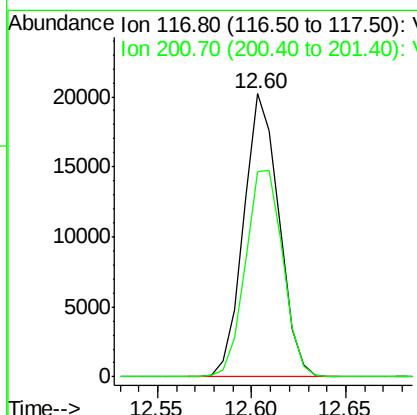
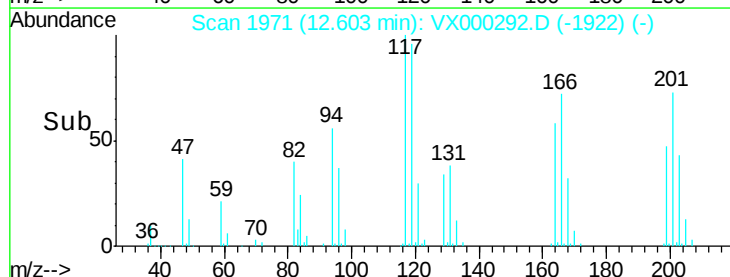
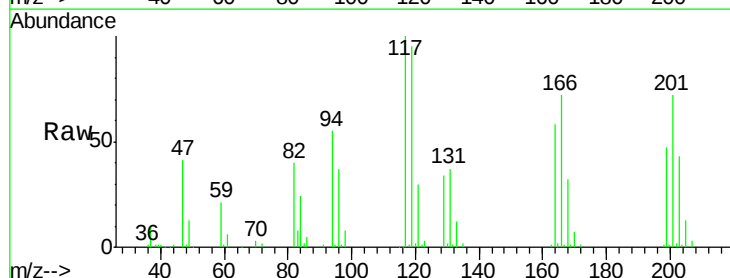
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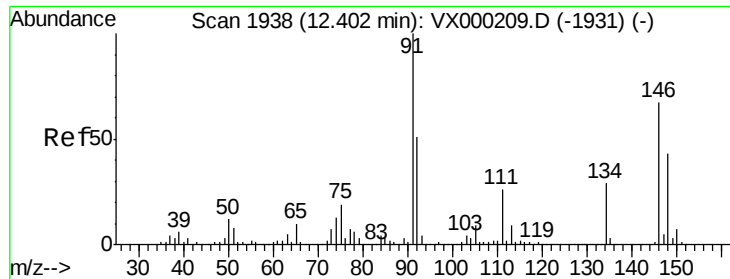
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#90
Hexachloroethane
Concen: 18.87 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000292.D
Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.4	38.2	114.6





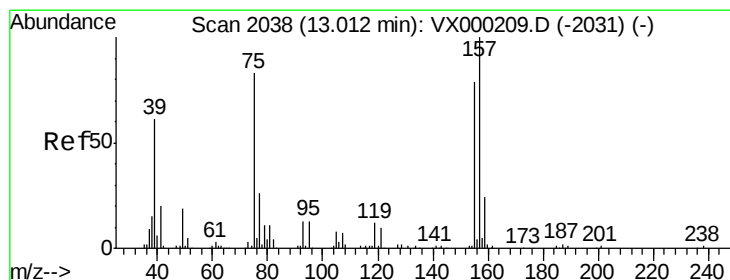
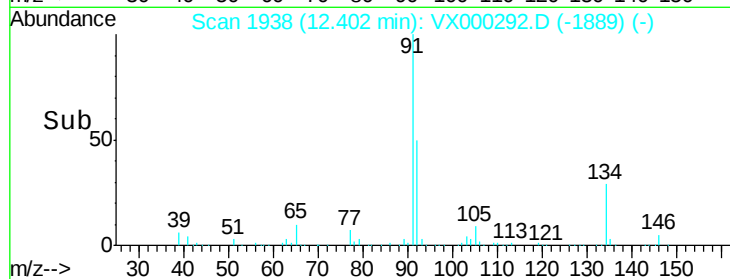
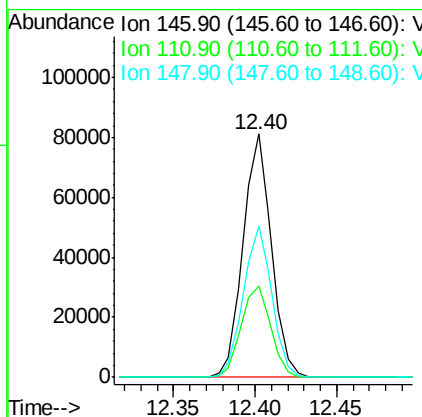
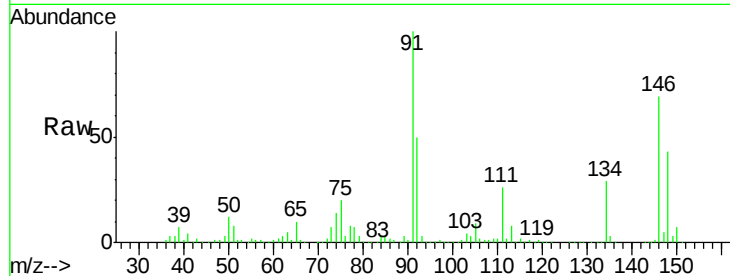
#91
 1,2-Dichlorobenzene
 Concen: 21.19 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	62.6	32.0	96.0

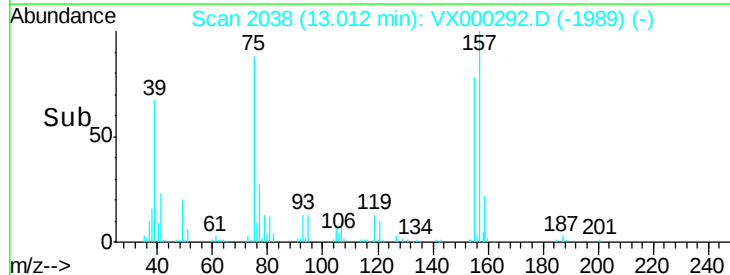
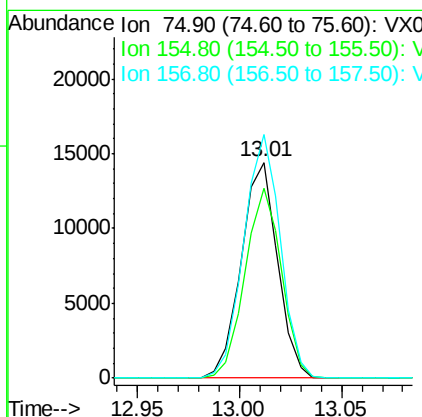
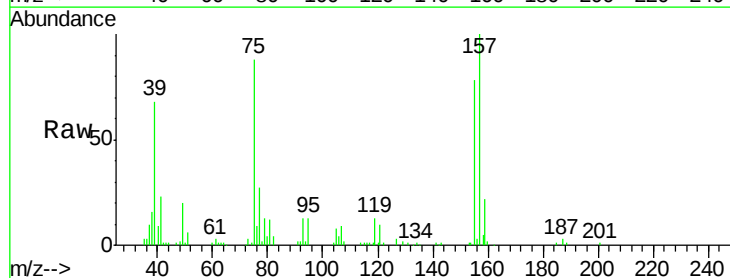
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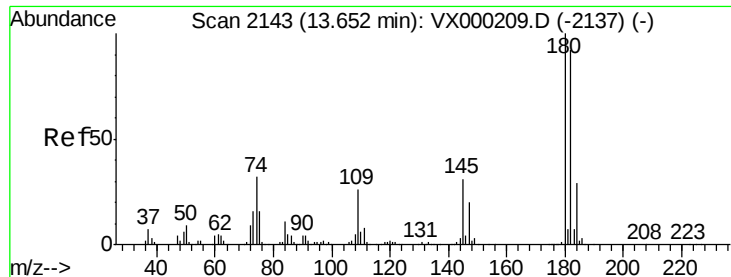
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.07 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	45.5	136.5
157	113.7	58.6	175.8





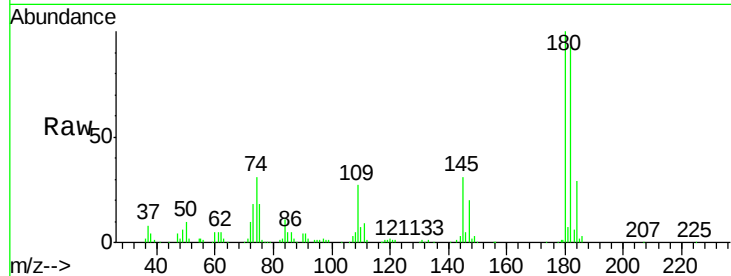
#93
 1,2,4-Trichlorobenzene
 Concen: 21.11 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

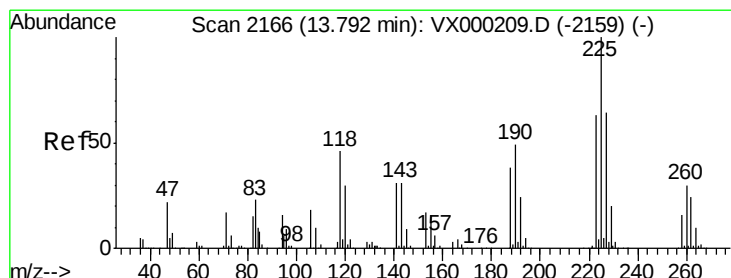
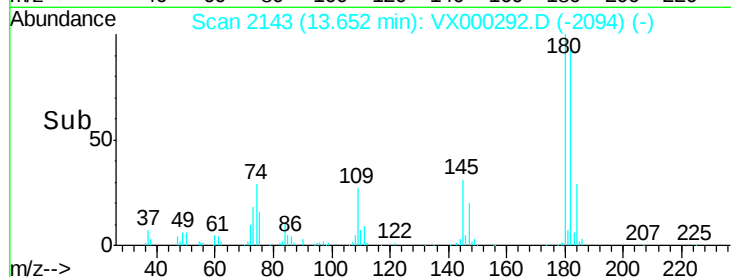
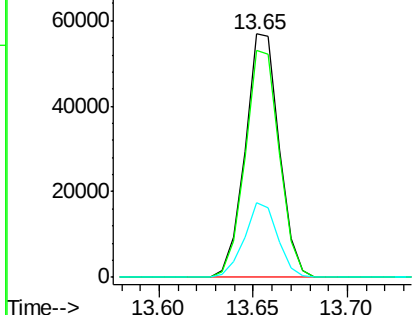
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.0	141.0
145	29.9	15.3	45.9

Manual Integrations
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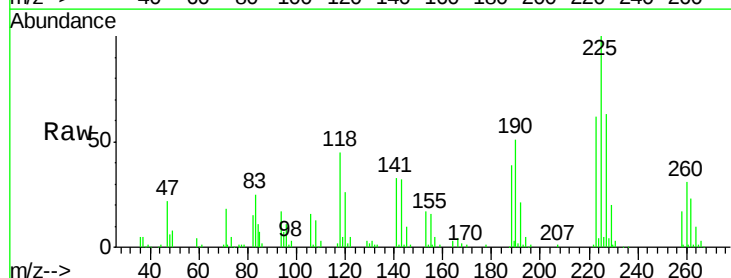


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

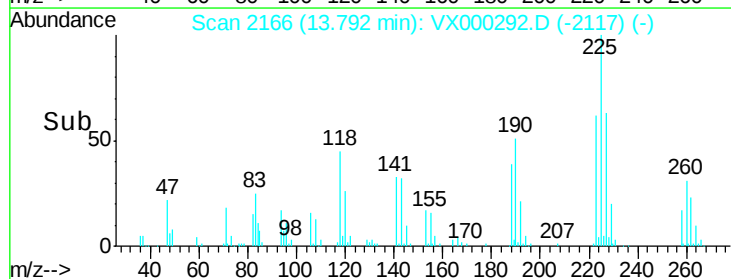
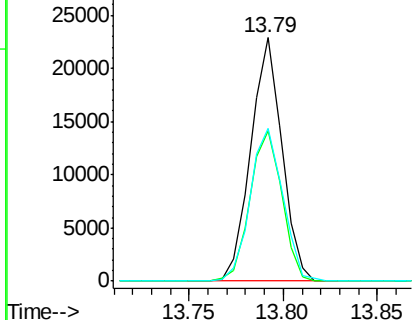


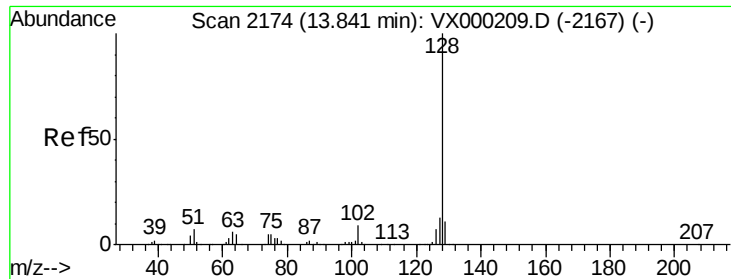
#94
 Hexachlorobutadiene
 Concen: 18.81 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000292.D
 Acq: 13 Mar 2018 11:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.8	95.3
227	65.6	31.9	95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.95 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Instrument :

MSVOA_X

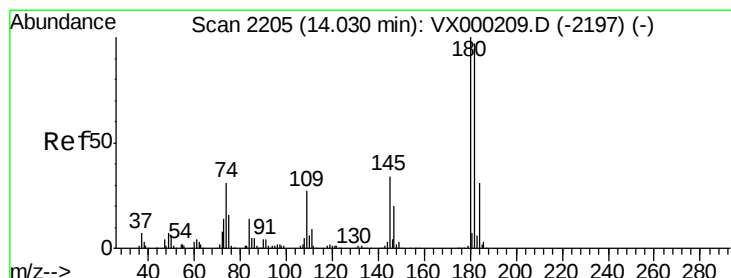
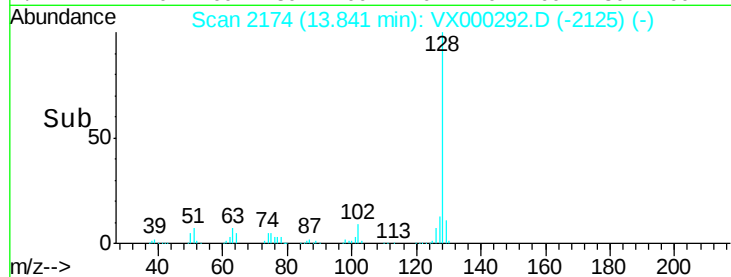
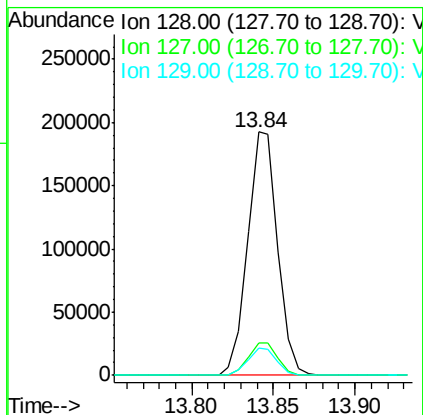
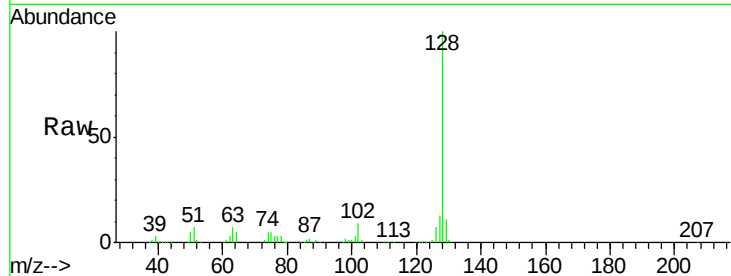
ClientSampleId :

VX0313WBS01

Tot Ion:	128	Resp:	246300
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.9	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.63 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000292.D

Acq: 13 Mar 2018 11:33

Tgt Ion:	180	Resp:	68758
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.0	144.0
145	32.7	16.3	48.8

