

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032218\
 Data File : VX000398.D
 Acq On : 22 Mar 2018 11:50
 Operator : JC/MD
 Sample : VX0322WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Manual Integrations
 APPROVED

sam
 3/23/2018 1:52:57 PM

Quant Time: Mar 23 05:55:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	113851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	180255	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	182533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99560	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	73133	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	5.51	113	56187	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	8.73	98	234330	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.15	95	86477	44.31	ug/l	0.00
Spiked Amount			Recovery	=	88.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	23804	18.97	ug/l	93
3) Chloromethane	1.32	50	24062	18.20	ug/l	98
4) Vinyl Chloride	1.41	62	27697	19.83	ug/l	95
5) Bromomethane	1.65	94	24529	14.70	ug/l	100
6) Chloroethane	1.73	64	17690	22.24	ug/l	# 88
7) Trichlorofluoromethane	1.93	101	49470	19.62	ug/l	97
8) Diethyl Ether	2.20	74	17391	19.30	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27833	19.80	ug/l	97
10) Methyl Iodide	2.52	142	23159	19.48	ug/l	98
11) Tert butyl alcohol	3.06	59	49415	96.66	ug/l	100
12) 1,1-Dichloroethene	2.38	96	24642	19.97	ug/l	98
13) Acrolein	2.30	56	14380	97.54	ug/l	97
14) Allyl chloride	2.73	41	42169	19.29	ug/l	95
15) Acrylonitrile	3.15	53	102266	98.77	ug/l	99
16) Acetone	2.45	43	118981	96.24	ug/l	99
17) Carbon Disulfide	2.57	76	61975	18.89	ug/l	100
18) Methyl Acetate	2.78	43	52952	20.43	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	88598	19.41	ug/l	99
20) Methylene Chloride	2.86	84	27594	19.32	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	27327	19.85	ug/l	97
22) Diisopropyl ether	3.88	45	84301	21.85	ug/l	92
23) Vinyl Acetate	3.83	43	403999	110.47	ug/l	97
24) 1,1-Dichloroethane	3.70	63	49397	20.37	ug/l	98
25) 2-Butanone	4.71	43	136620	98.31	ug/l	98
26) 2,2-Dichloropropane	4.59	77	33735	19.84	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	25654	19.94	ug/l	97
28) Bromochloromethane	5.03	49	19522	19.52	ug/l	99
29) Tetrahydrofuran	5.17	42	80857	94.57	ug/l	99
30) Chloroform	5.23	83	44404	19.53	ug/l	98
31) Cyclohexane	5.59	56	34810	18.57	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	39216	19.12	ug/l	99
36) 1,1-Dichloropropene	5.81	75	31429	18.61	ug/l	96
37) Ethyl Acetate	4.87	43	45120	19.56	ug/l	100
38) Carbon Tetrachloride	5.79	117	32850	18.55	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	40629	19.79	ug/l	98
40) Benzene	6.15	78	96065	19.59	ug/l	100
41) Methacrylonitrile	5.07	41	22595	18.58	ug/l	97
42) 1,2-Dichloroethane	6.20	62	38273	19.89	ug/l	100
43) Isopropyl Acetate	6.48	43	66129	19.26	ug/l	99
44) Trichloroethene	7.22	130	27872	19.84	ug/l	97
45) 1,2-Dichloropropane	7.52	63	25269	20.13	ug/l	98
46) Dibromomethane	7.67	93	19465	19.76	ug/l	97
47) Bromodichloromethane	7.90	83	34877	20.12	ug/l #	97
48) Methyl methacrylate	7.79	41	32471	19.48	ug/l	99
49) 1,4-Dioxane	7.77	88	13661	389.92	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	266953	100.46	ug/l	98
52) Toluene	8.79	92	67868	19.80	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	39126	19.48	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	37328	19.16	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	27576	19.56	ug/l	95
56) Ethyl methacrylate	9.19	69	41215	19.29	ug/l	97
57) 1,3-Dichloropropane	9.38	76	46970	20.83	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	103506	100.96	ug/l	98
59) 2-Hexanone	9.51	43	227178	100.68	ug/l	99
60) Dibromochloromethane	9.59	129	28673	19.89	ug/l	98
61) 1,2-Dibromoethane	9.68	107	30514	20.19	ug/l	99
64) Tetrachloroethene	9.34	164	29530	20.85	ug/l	96
65) Chlorobenzene	10.15	112	78499	19.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	27197	19.71	ug/l	98
67) Ethyl Benzene	10.26	91	136941	19.89	ug/l	99
68) m/p-Xylenes	10.37	106	105270	38.85	ug/l	99
69) o-Xylene	10.71	106	51386	19.59	ug/l	100
70) Styrene	10.72	104	83734	19.29	ug/l	99
71) Bromoform	10.87	173	22307	18.81	ug/l #	97
73) Isopropylbenzene	11.02	105	139600	21.16	ug/l	100
74) N-amyl acetate	6.48	43	66129	21.10	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	49462	21.20	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	45040m	21.05	ug/l	
77) Bromobenzene	11.26	156	34858	19.84	ug/l	99
78) n-propylbenzene	11.37	91	166313	21.14	ug/l	99
79) 2-Chlorotoluene	11.43	91	92507	20.36	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	116441	20.99	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	12385	18.74	ug/l	88
82) 4-Chlorotoluene	11.52	91	111332	20.52	ug/l	99
83) tert-Butylbenzene	11.78	119	116031	20.74	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	121322	20.86	ug/l	99
85) sec-Butylbenzene	11.96	105	144758	20.91	ug/l	100
86) p-Isopropyltoluene	12.07	119	128232	20.86	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	67346	20.27	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	67993	19.49	ug/l	98
89) n-Butylbenzene	12.40	91	116664	20.38	ug/l	98
90) Hexachloroethane	12.60	117	20957	21.66	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	66549	20.43	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13591	20.89	ug/l	93

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Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	46068	19.73	ug/l	99
94) Hexachlorobutadiene	13.79	225	21174	21.90	ug/l	98
95) Naphthalene	13.85	128	167059	20.54	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	47559	20.61	ug/l	99

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

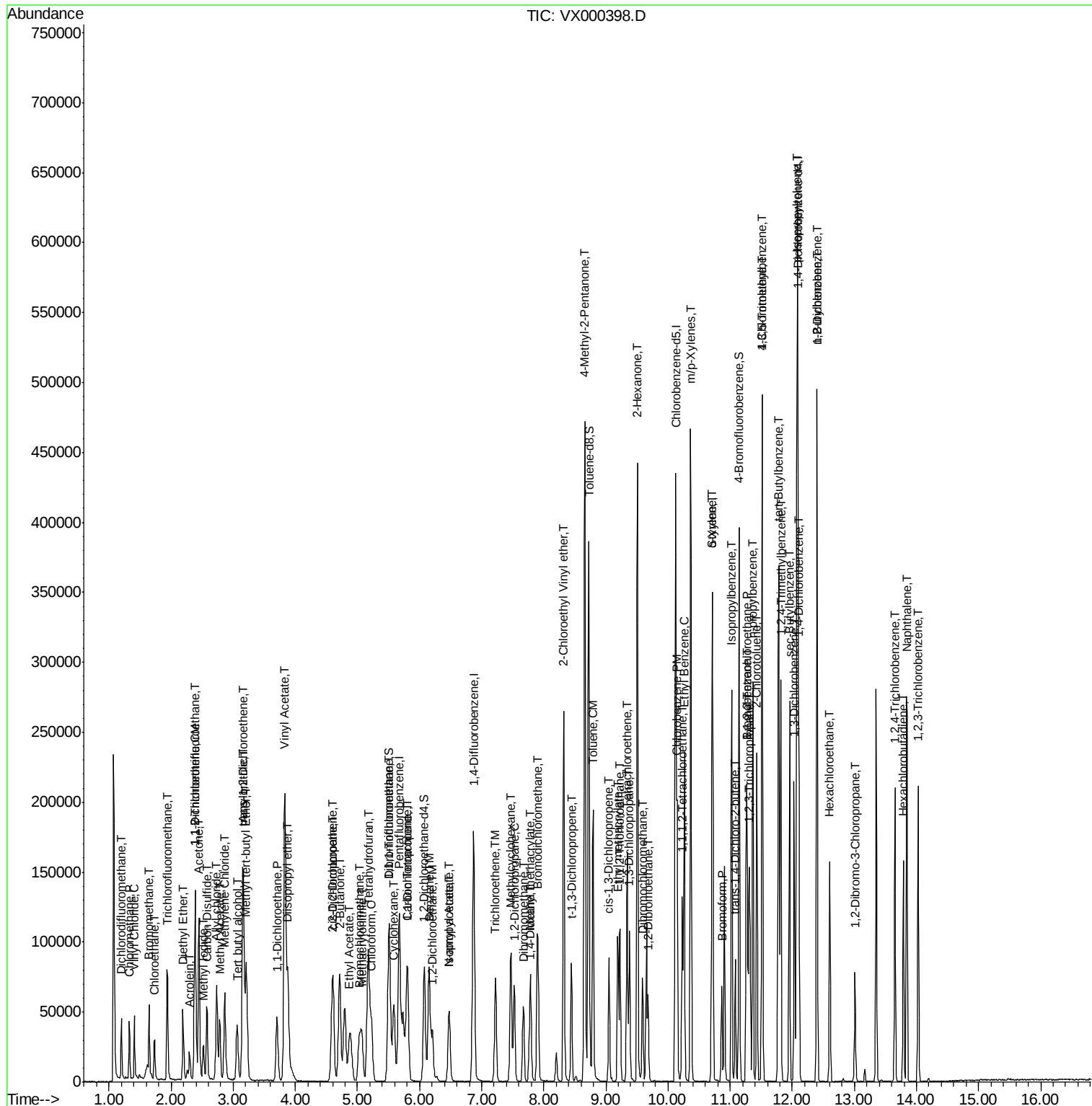
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Data File : VX000398.D
Acq On : 22 Mar 2018 11:50
Operator : JC/MD
Sample : VX0322WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

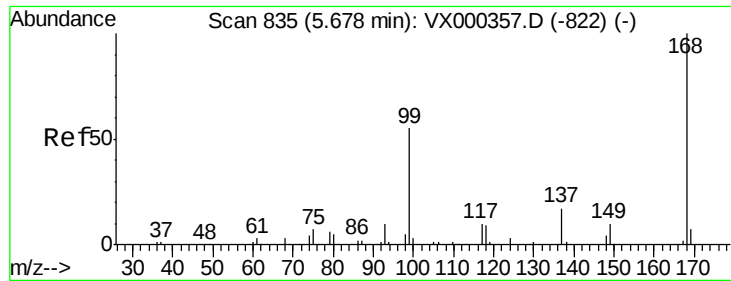
Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

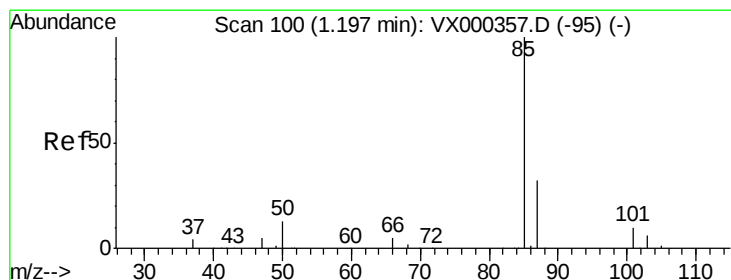
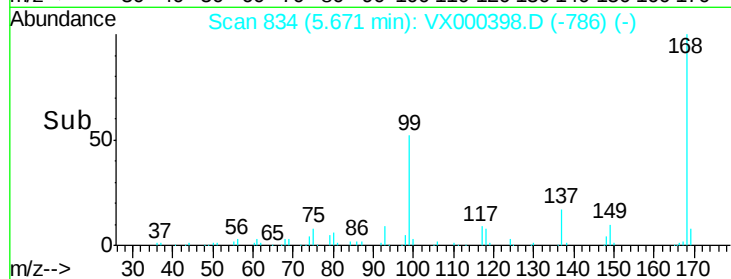
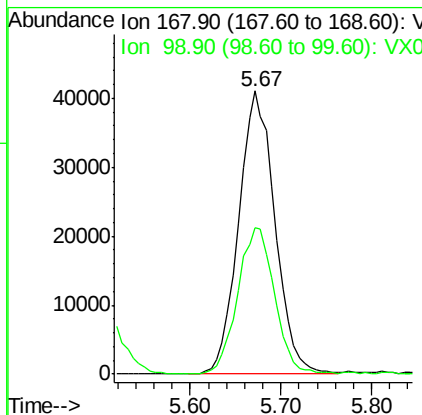
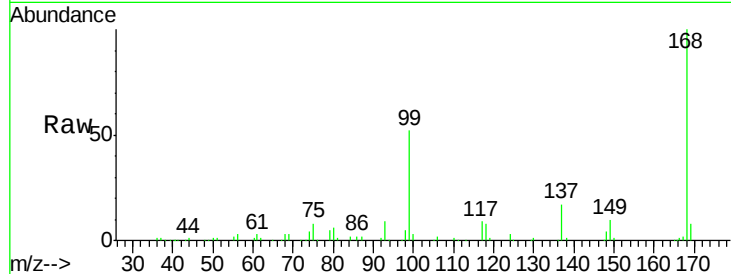
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.7	45.8	68.6

Manual Integrations
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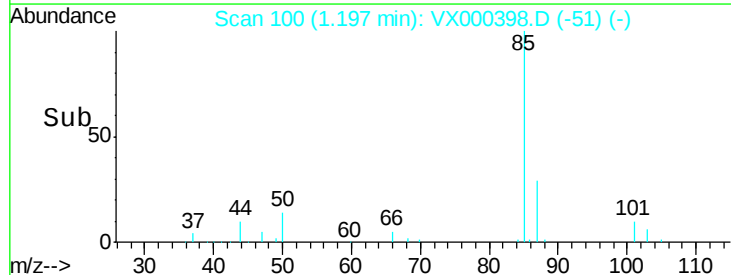
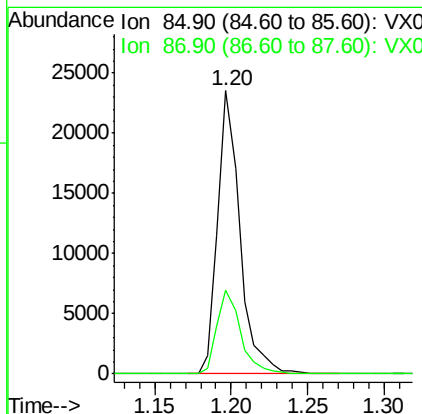
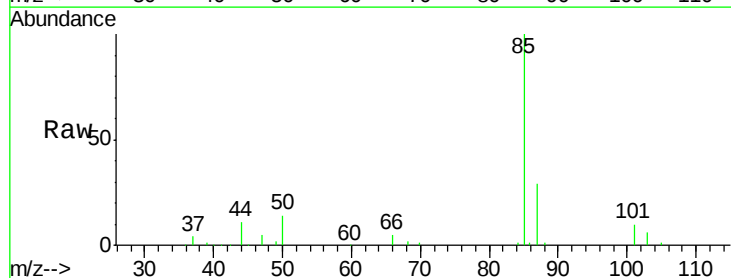
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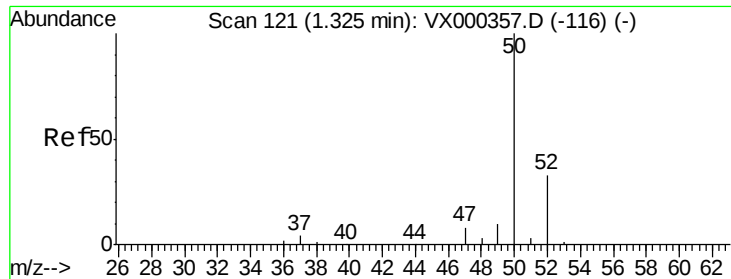


#2

Dichlorodifluoromethane
 Concen: 18.97 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.4	16.8	50.3





#3

Chloromethane

Concen: 18.20 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

ClientSampled :

VX0322WBS01

Tot Ion: 50 Resp: 24062

Ion Ratio Lower Upper

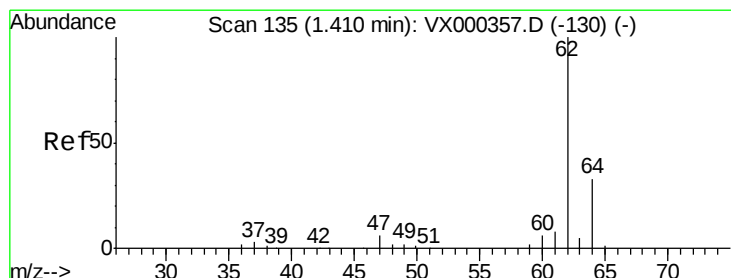
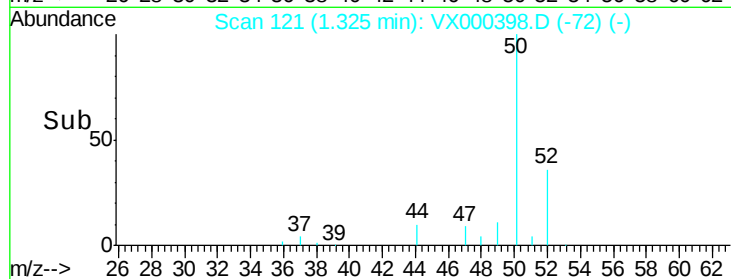
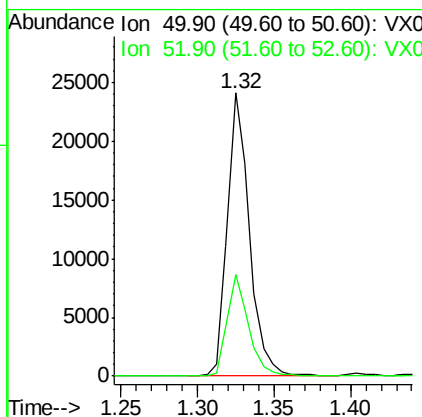
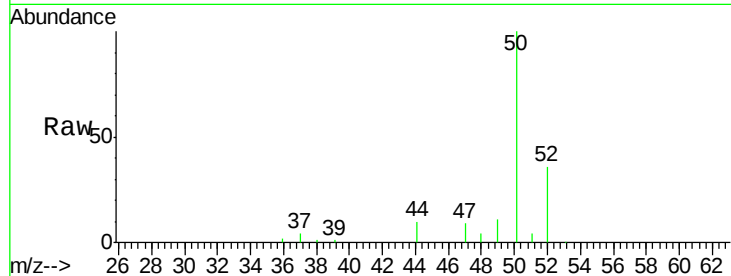
50 100

52 35.8 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.83 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000398.D

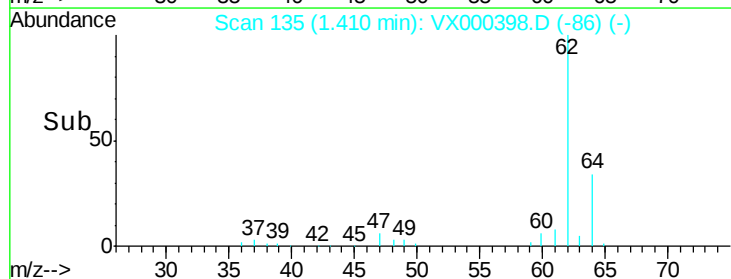
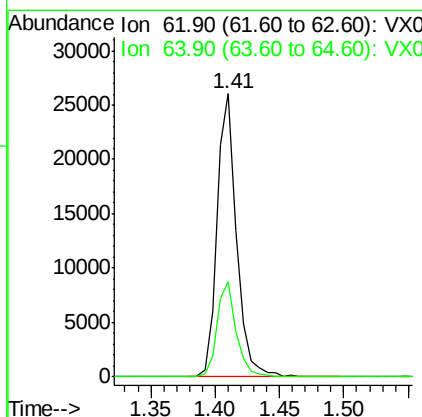
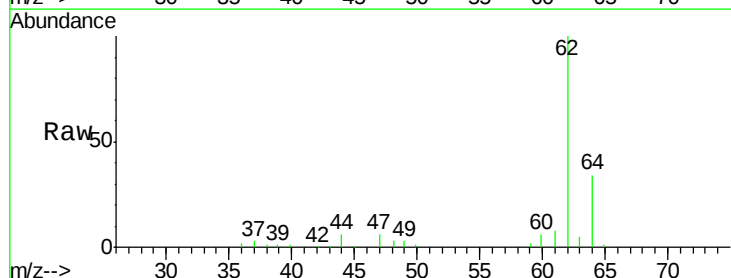
Acq: 22 Mar 2018 11:50

Tgt Ion: 62 Resp: 27697

Ion Ratio Lower Upper

62 100

64 33.5 24.8 37.2





#5

Bromomethane

Concen: 14.70 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 94 Resp: 24529

Ion Ratio Lower Upper

94 100

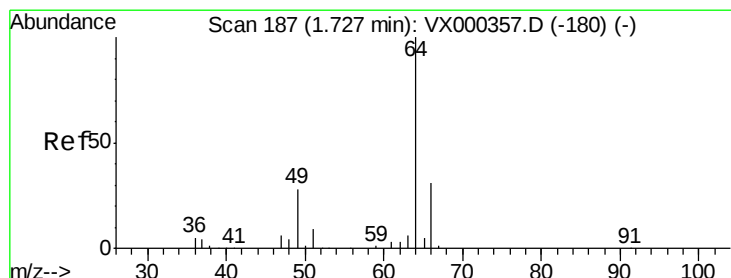
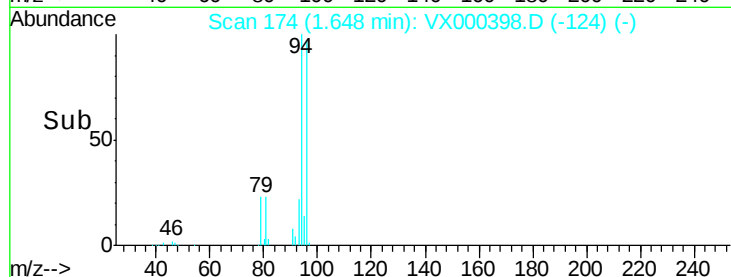
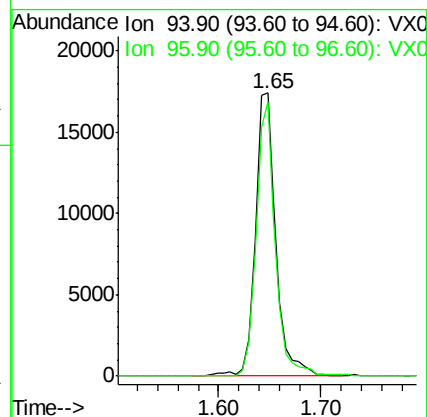
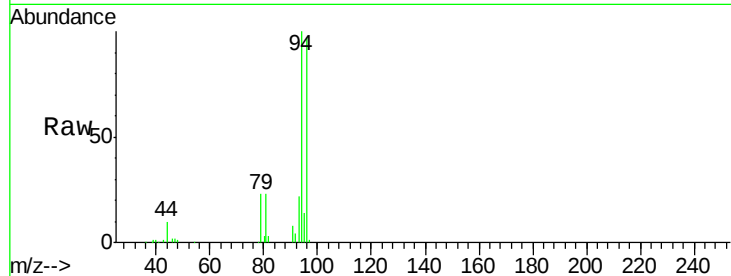
96 96.7 77.7 116.5

Manual Integrations

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#6

Chloroethane

Concen: 22.24 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000398.D

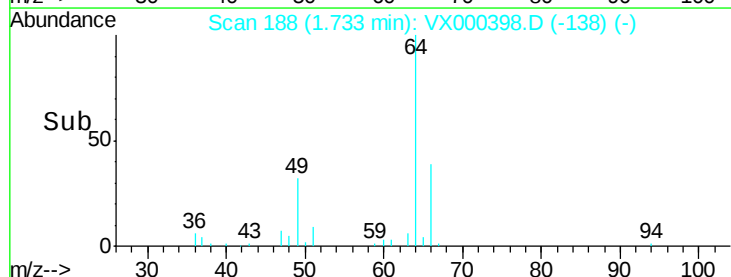
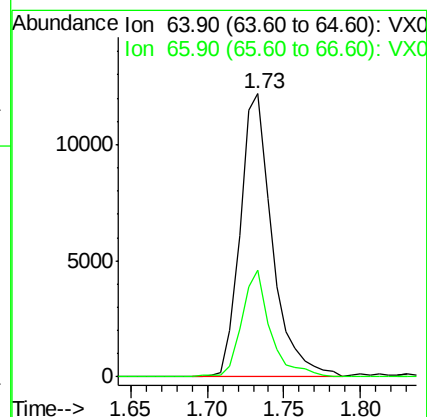
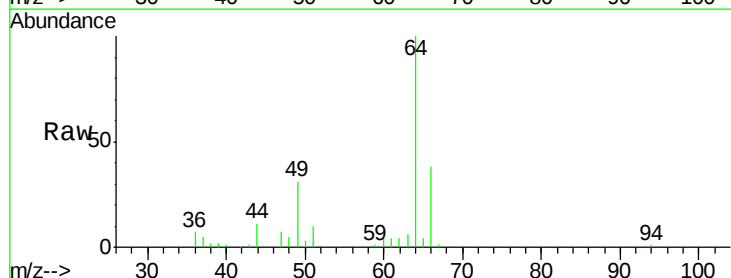
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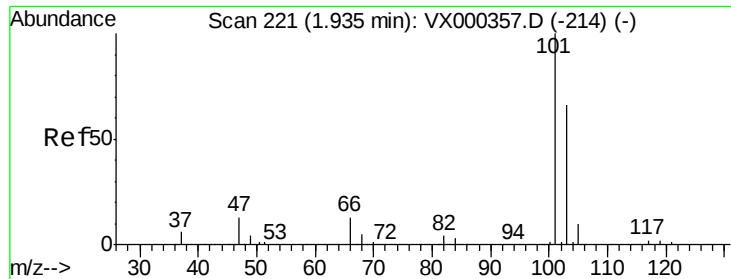
Tgt Ion: 64 Resp: 17690

Ion Ratio Lower Upper

64 100

66 37.7 24.8 37.2#





#7

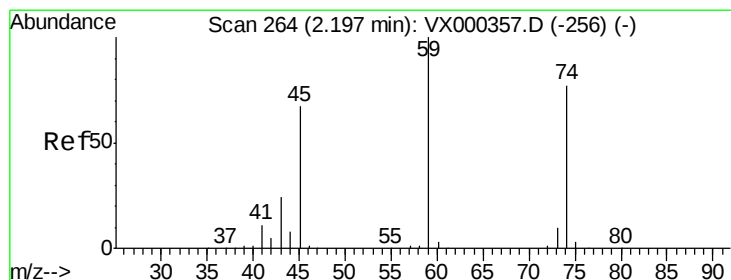
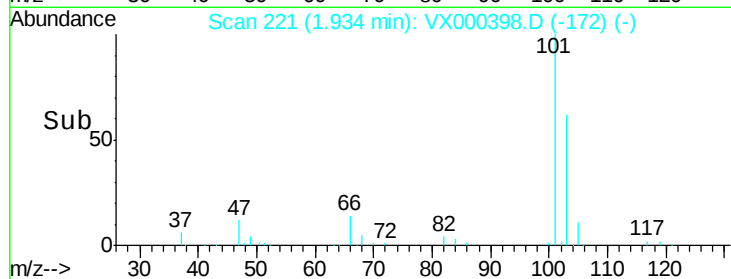
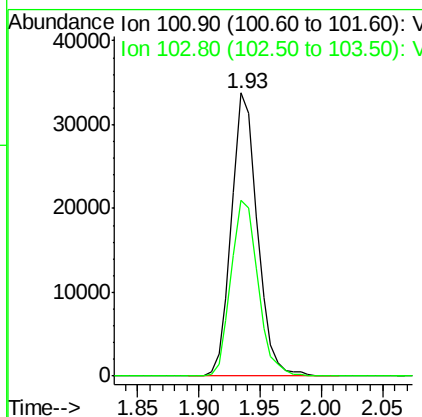
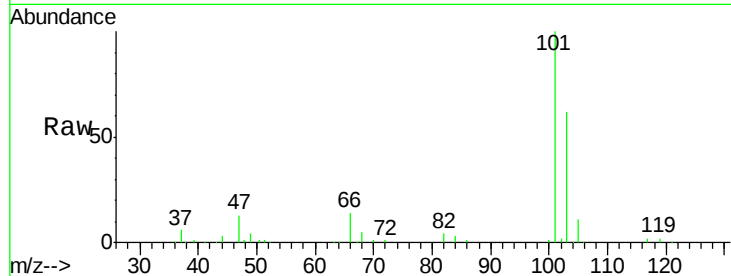
Trichlorofluoromethane
 Concen: 19.62 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion:101 Resp: 49470
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.6 77.4

Manual Integrations
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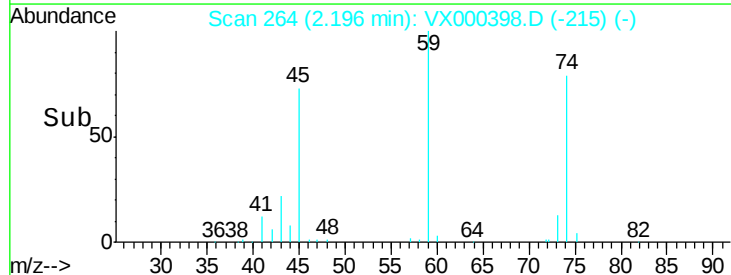
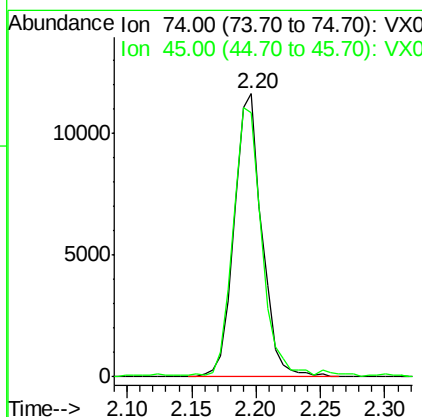
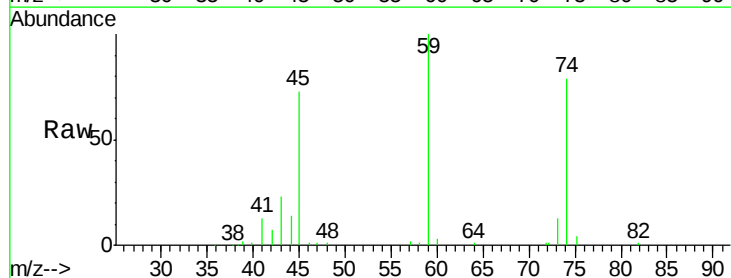
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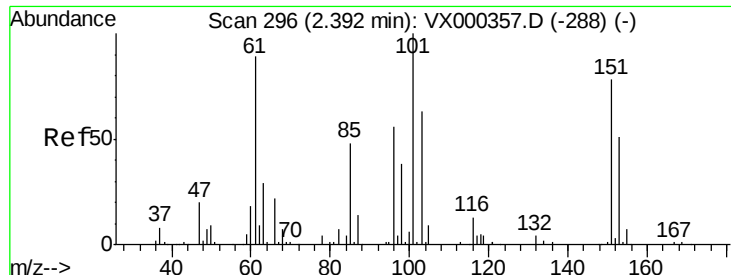


#8

Diethyl Ether
 Concen: 19.30 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Tgt Ion: 74 Resp: 17391
 Ion Ratio Lower Upper
 74 100
 45 96.9 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.80 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

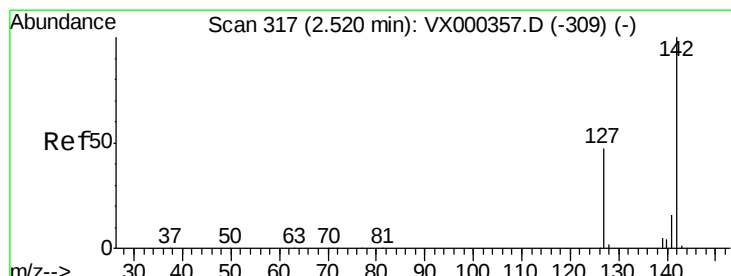
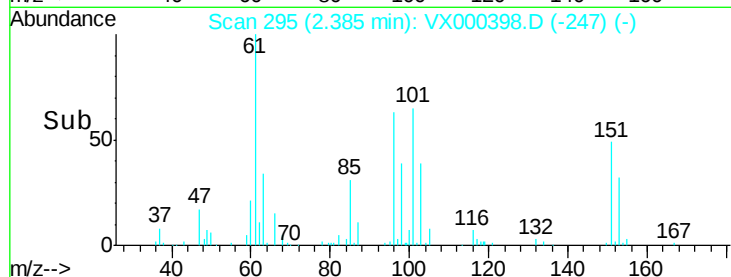
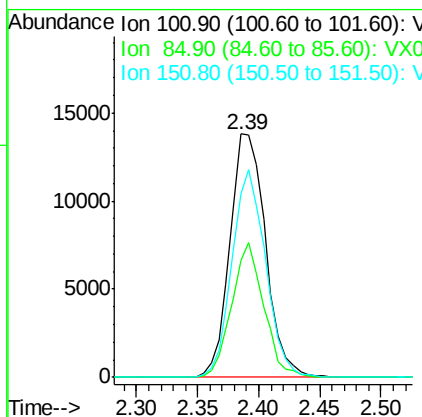
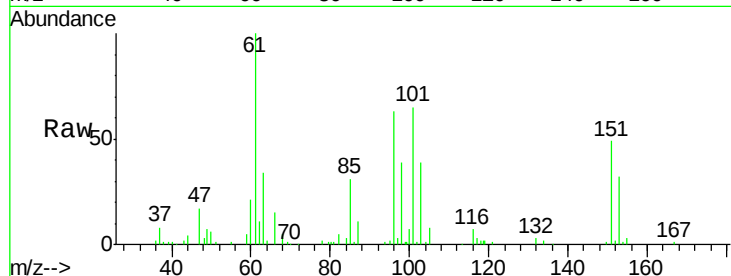
ClientSampleId :

VX0322WBS01

Tot Ion:	101	Resp:	27833
Ion Ratio	Lower	Upper	
101	100		
85	49.6	37.6	56.4
151	80.6	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.48 ug/l

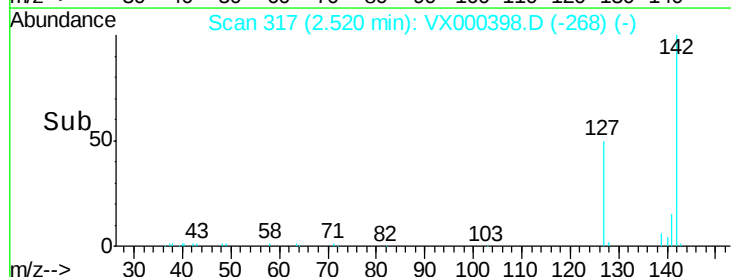
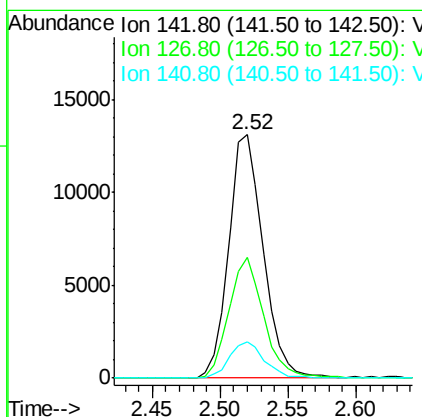
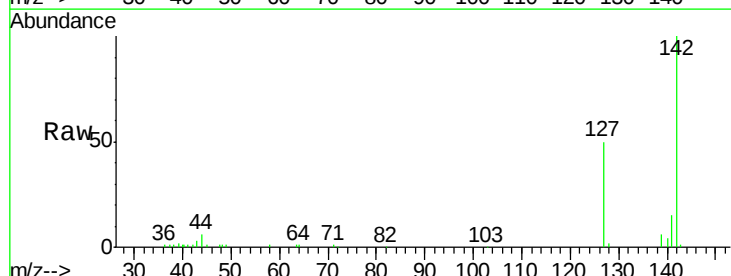
RT: 2.52 min Scan# 317

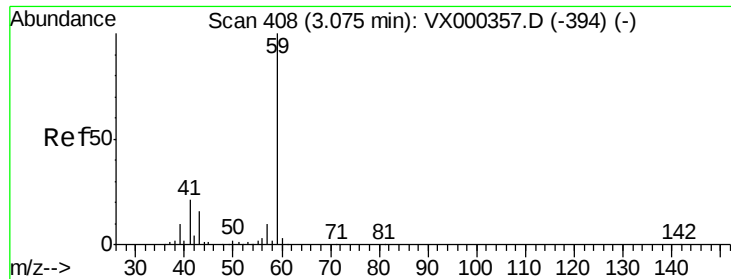
Delta R.T. 0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Tgt Ion:	142	Resp:	23159
Ion Ratio	Lower	Upper	
142	100		
127	50.2	39.2	58.8
141	15.0	11.7	17.5





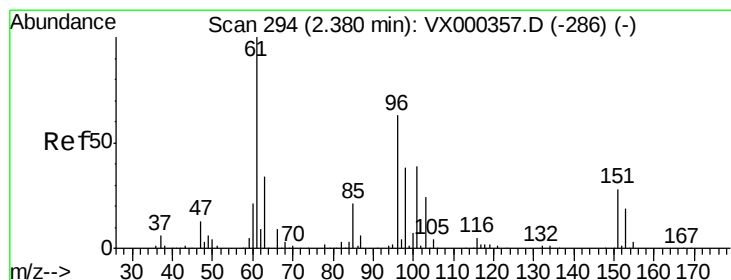
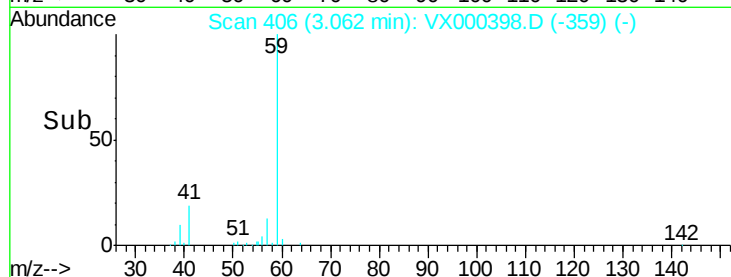
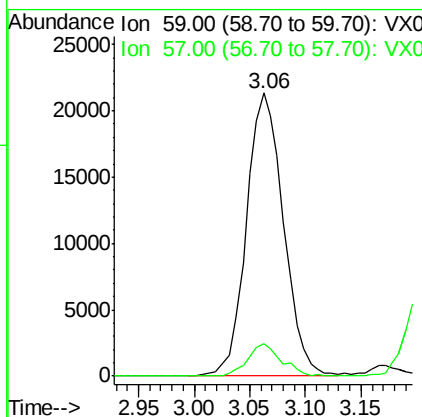
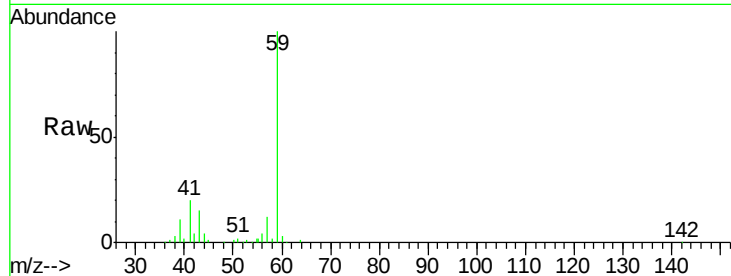
#11
Tert butyl alcohol
Concen: 96.66 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

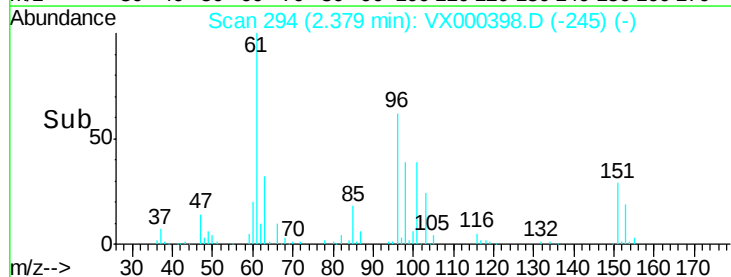
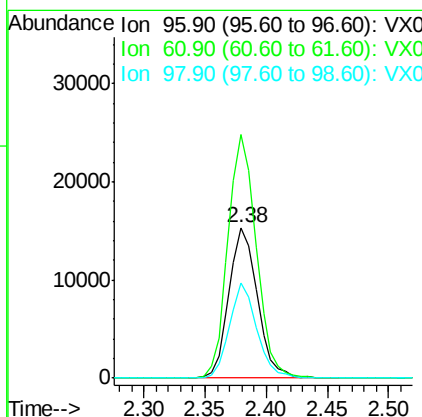
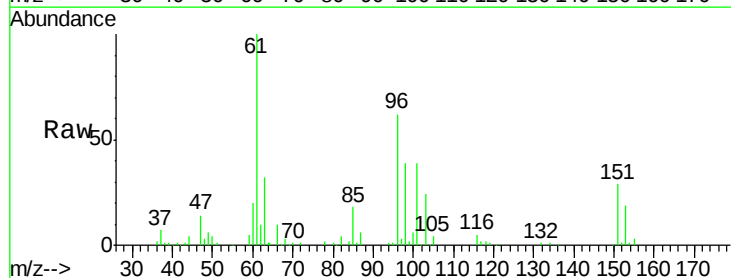
Manual Integrations
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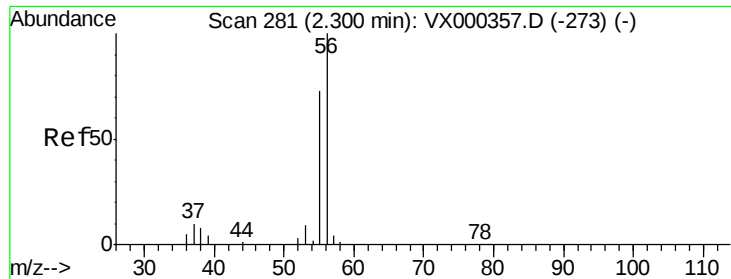
sam
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#12
1,1-Dichloroethene
Concen: 19.97 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.1	131.2	196.8
98	63.7	49.8	74.8





#13

Acrolein

Concen: 97.54 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 56 Resp: 14380

Ion Ratio Lower Upper

56 100

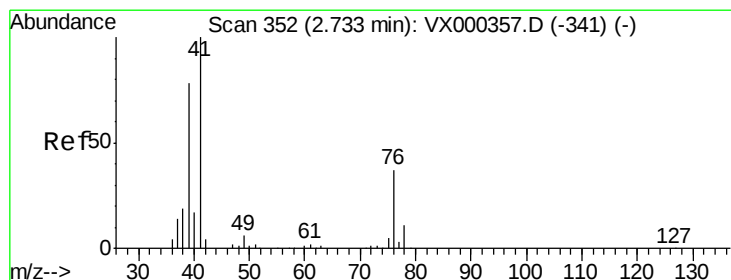
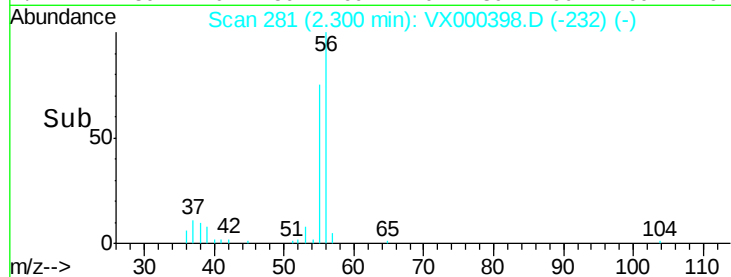
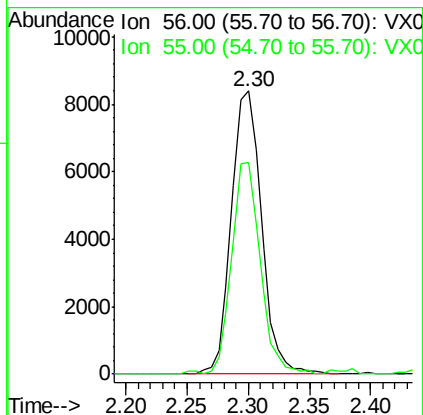
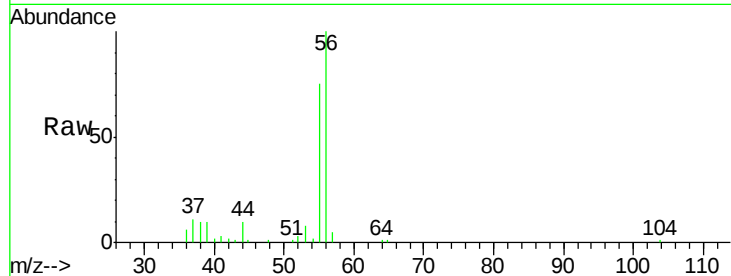
55 70.6 58.8 88.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.29 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

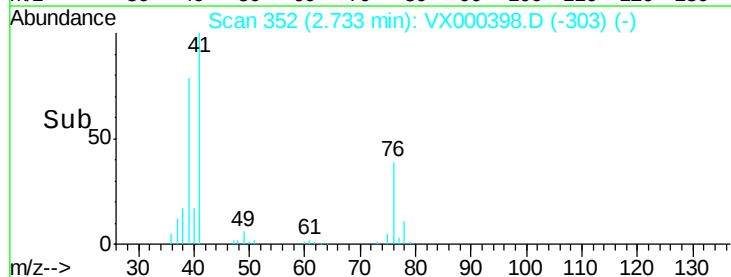
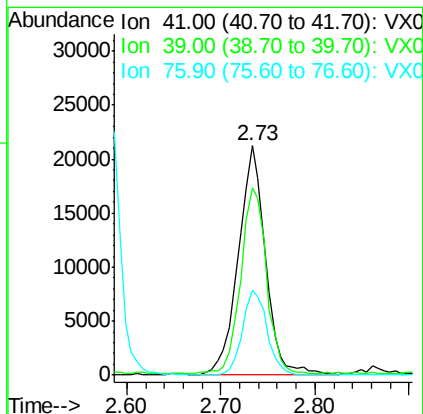
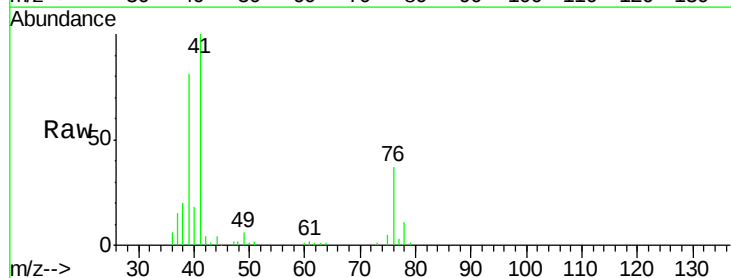
Tgt Ion: 41 Resp: 42169

Ion Ratio Lower Upper

41 100

39 77.4 57.6 86.4

76 34.0 27.3 40.9





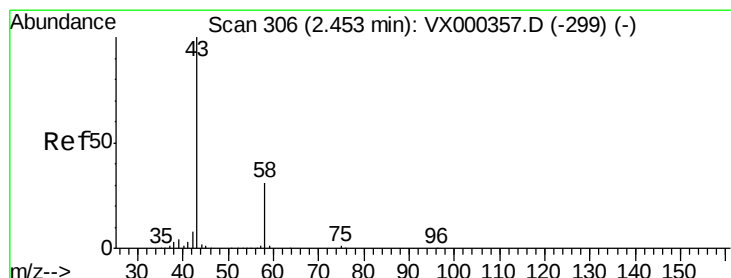
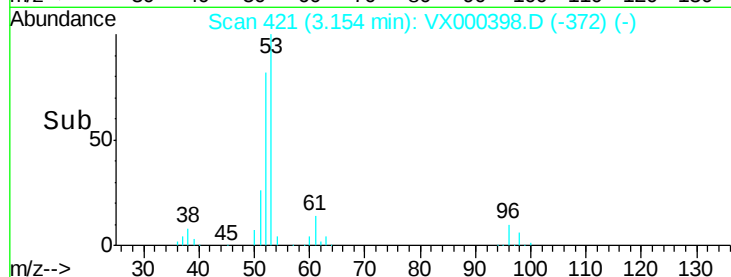
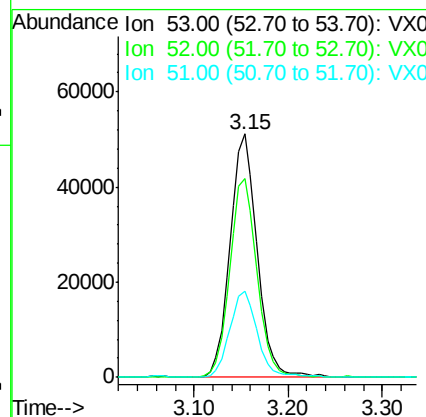
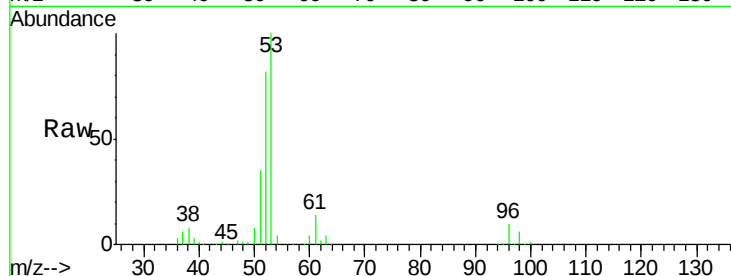
#15
 Acrylonitrile
 Concen: 98.77 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion:	53	Resp:	102266
Ion Ratio		Lower	Upper
53	100		
52	82.3	66.6	99.8
51	36.5	29.3	43.9

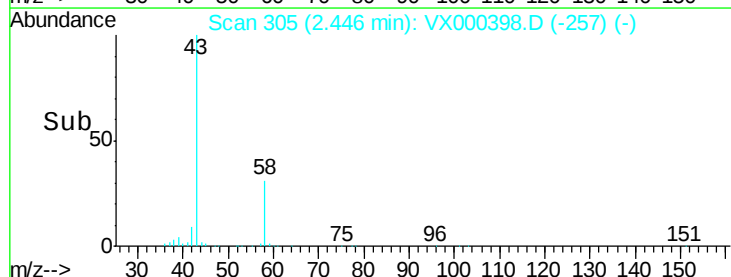
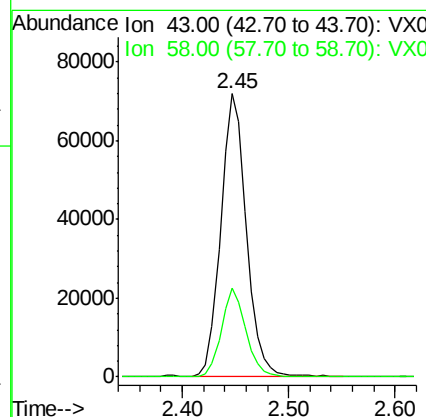
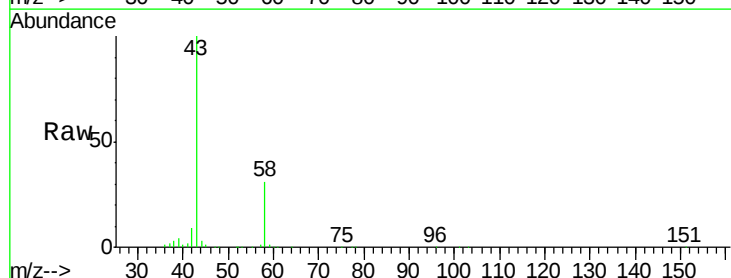
Manual Integrations
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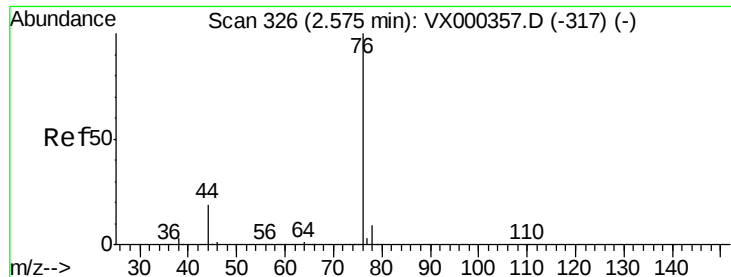
sam
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#16
 Acetone
 Concen: 96.24 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Tgt Ion:	43	Resp:	118981
Ion Ratio		Lower	Upper
43	100		
58	31.4	24.7	37.1





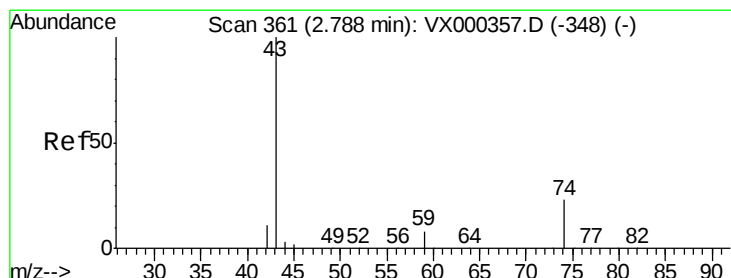
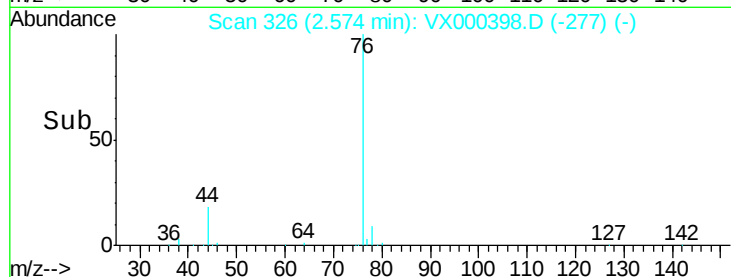
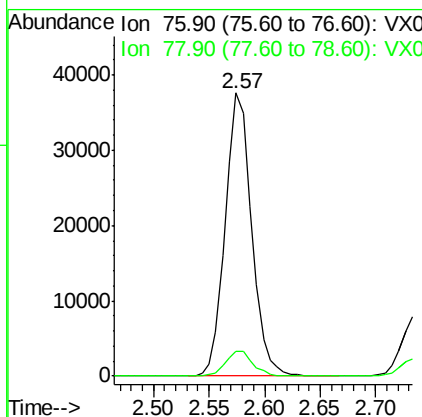
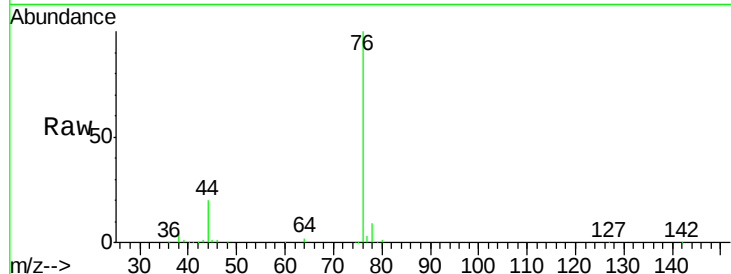
#17
Carbon Disulfide
Concen: 18.89 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

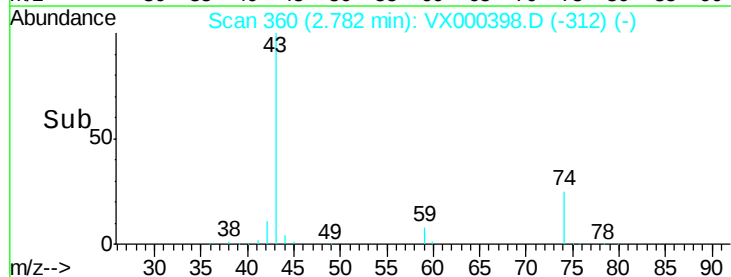
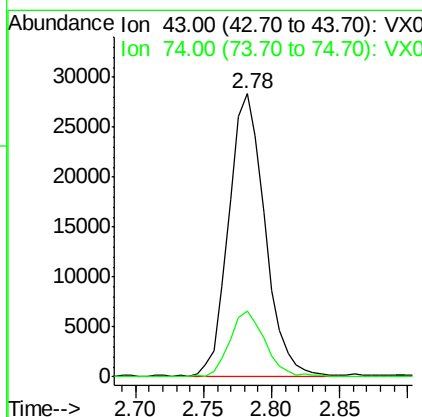
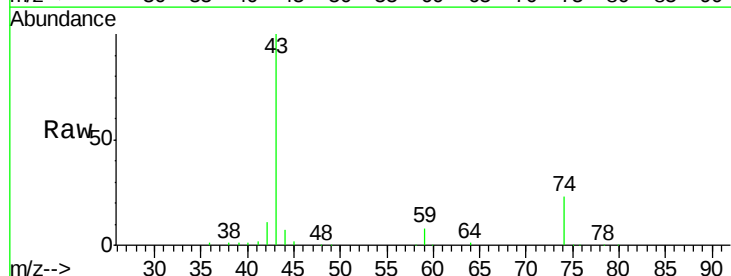
Manual Integrations
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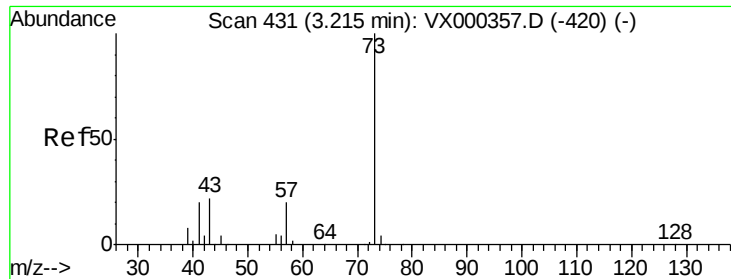
sam
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#18
Methyl Acetate
Concen: 20.43 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	19.4	29.2





#19

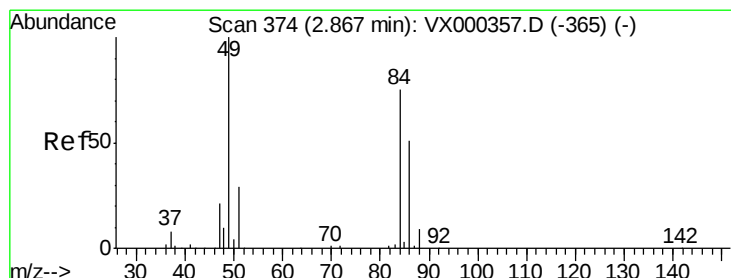
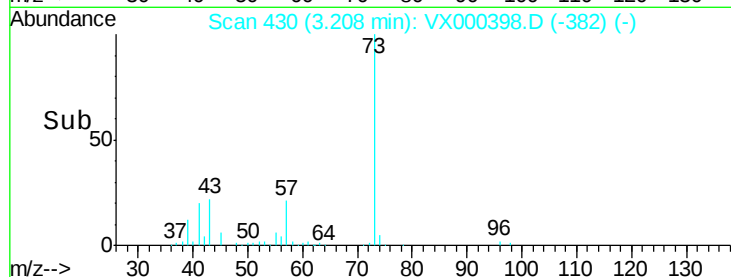
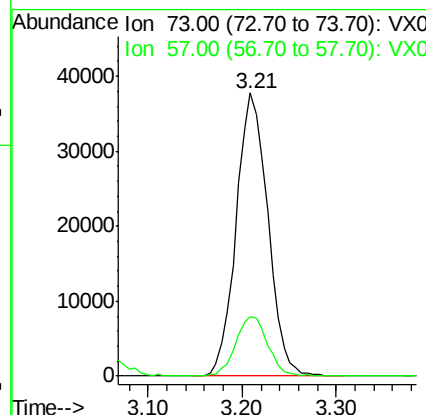
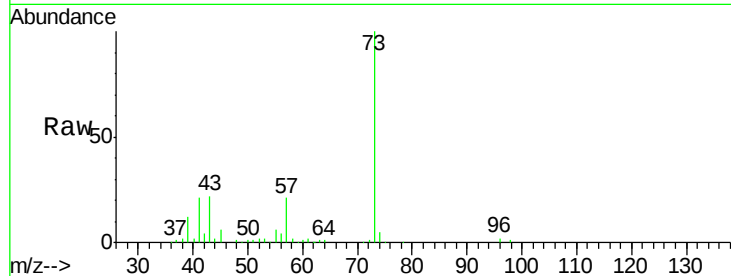
Methyl tert-butyl Ether
 Concen: 19.41 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.2	25.8

Manual Integrations
 APPROVED

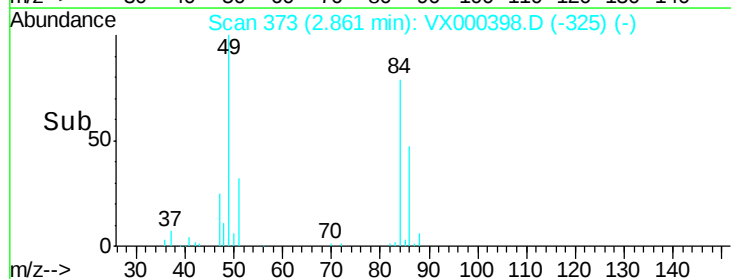
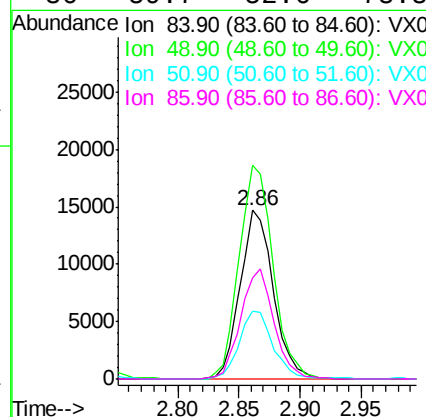
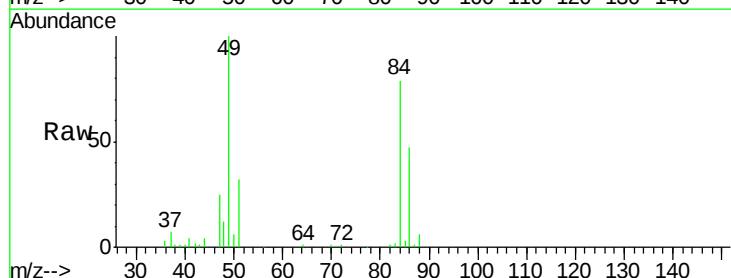
sam
 3/23/2018 1:52:57 PM

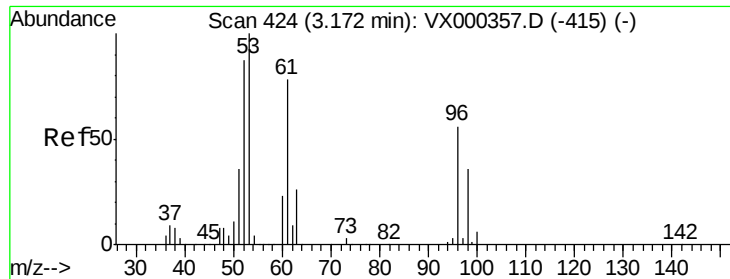


#20

Methylene Chloride
 Concen: 19.32 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.8	100.6	151.0
51	40.6	31.6	47.4
86	59.7	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 19.85 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

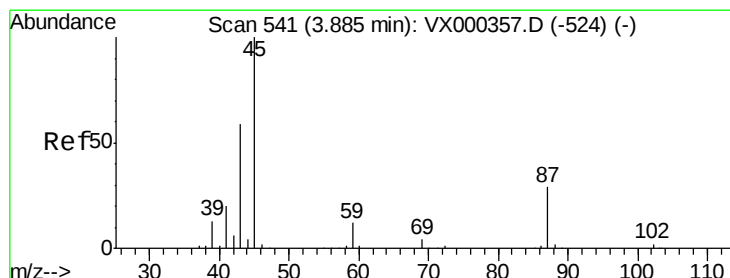
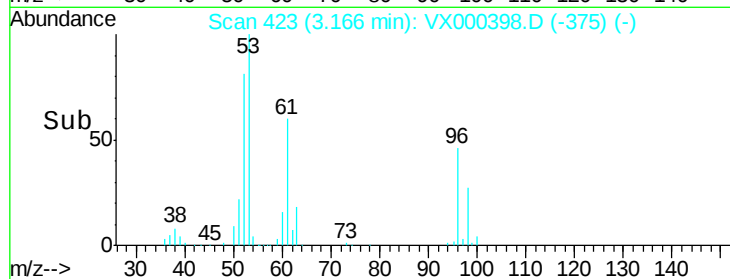
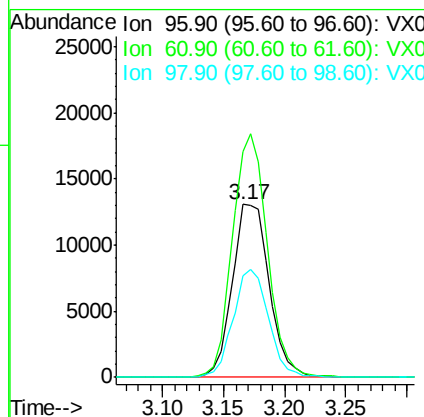
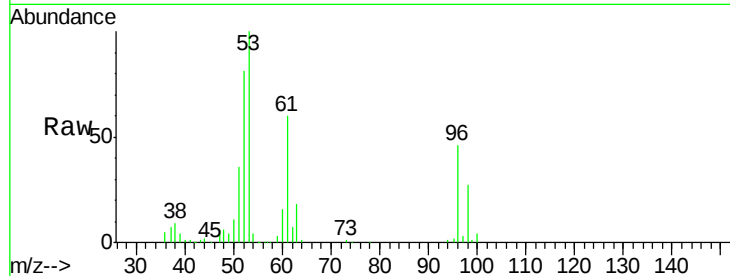
ClientSampleId :

VX0322WBS01

Tot Ion:	96	Resp:	27327
Ion	Ratio	Lower	Upper
96	100		
61	130.9	104.0	156.0
98	58.7	52.1	78.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.85 ug/l

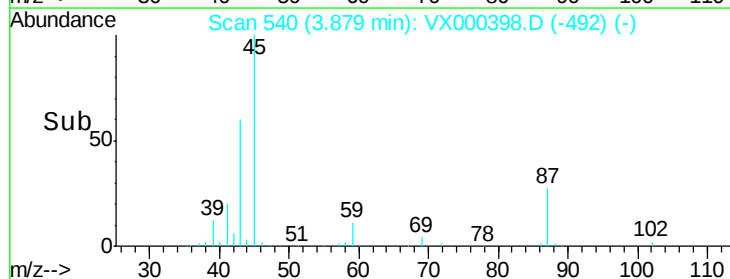
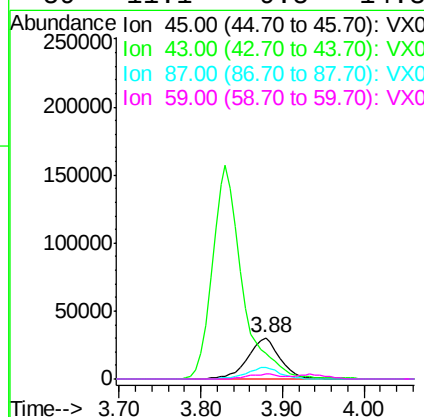
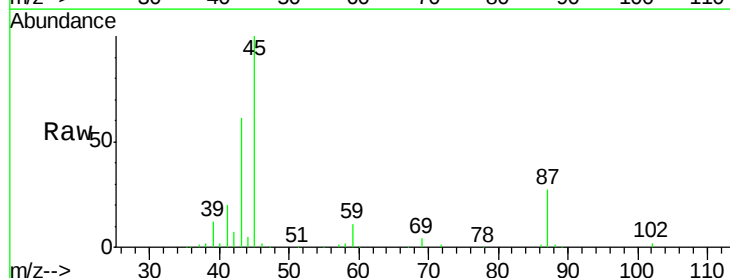
RT: 3.88 min Scan# 540

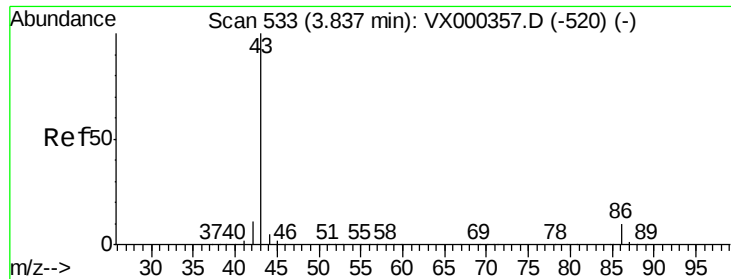
Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Tgt Ion:	45	Resp:	84301
Ion	Ratio	Lower	Upper
45	100		
43	58.1	53.9	80.9
87	27.2	22.6	34.0
59	11.1	9.5	14.3





#23

Vinyl Acetate

Concen: 110.47 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 43 Resp: 403999

Ion Ratio Lower Upper

43 100

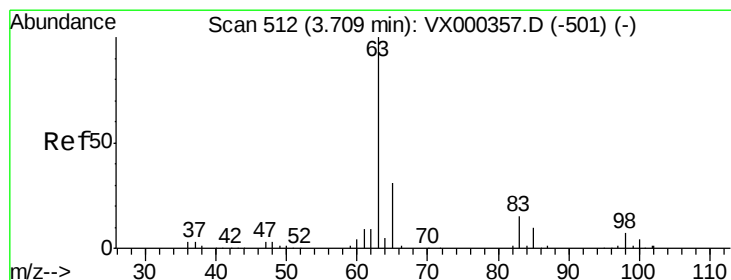
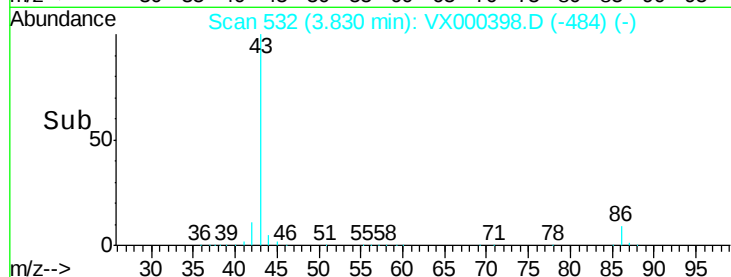
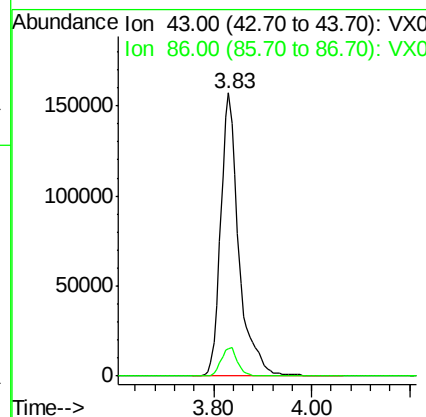
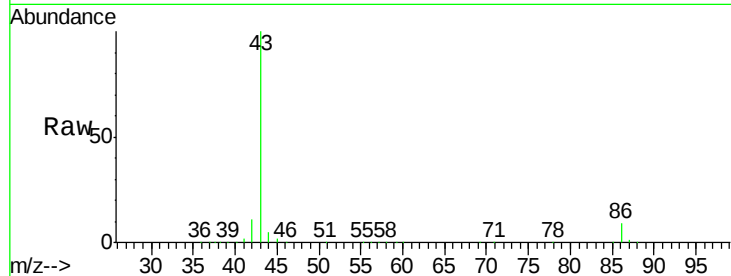
86 9.5 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.37 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

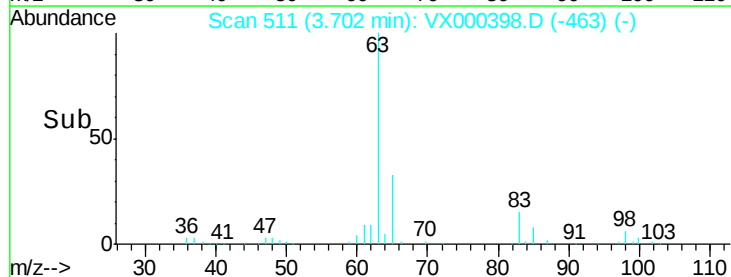
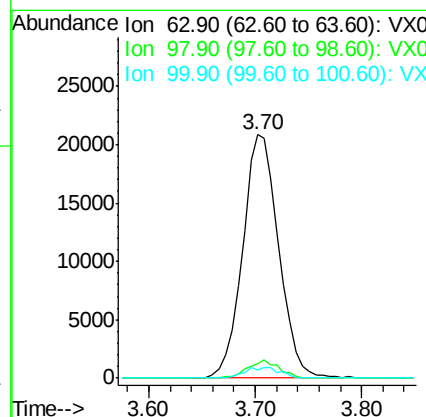
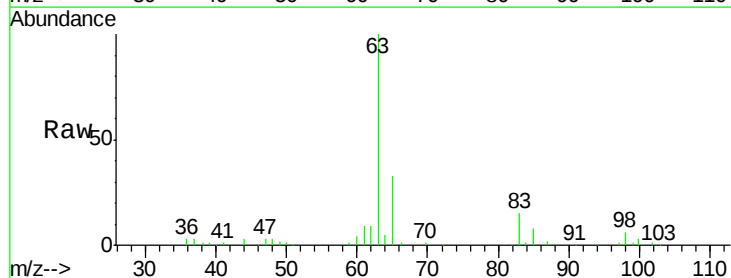
Tgt Ion: 63 Resp: 49397

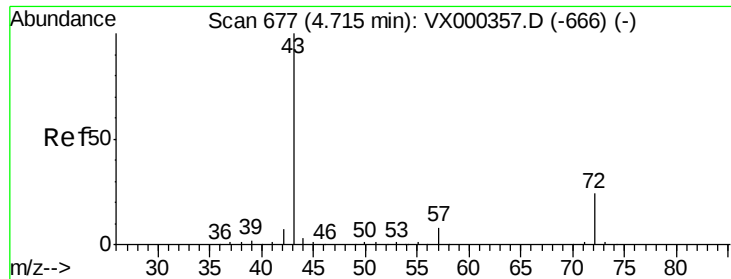
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.2 2.0 5.8





#25

2-Butanone

Concen: 98.31 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 43 Resp: 136620

Ion Ratio Lower Upper

43 100

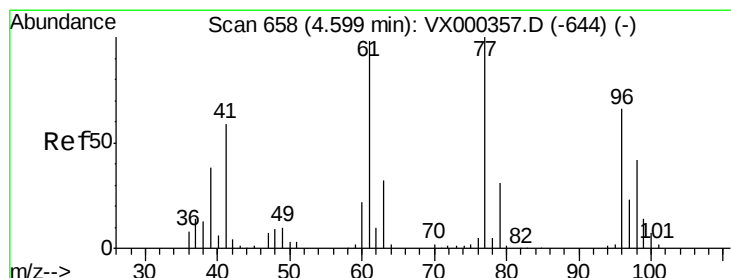
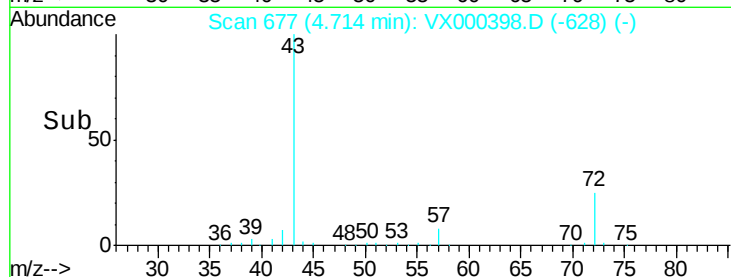
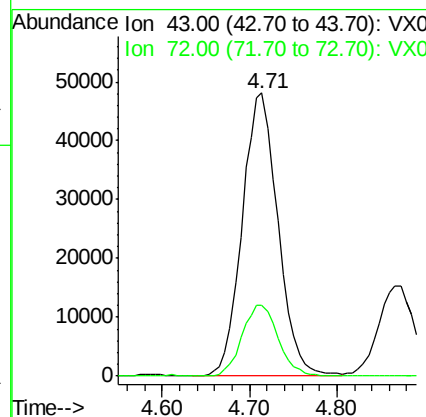
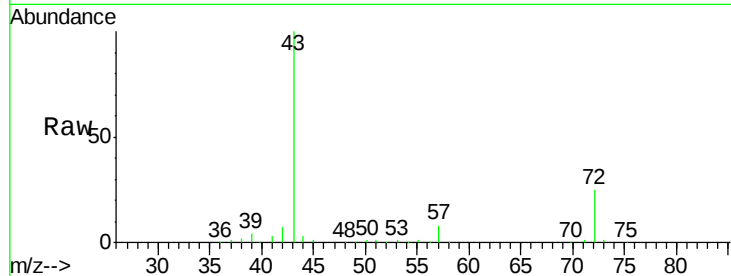
72 25.1 21.0 31.6

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 19.84 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000398.D

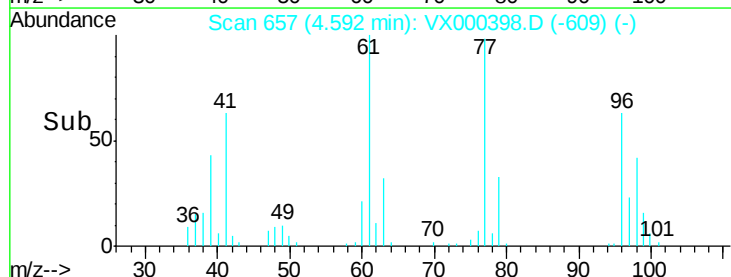
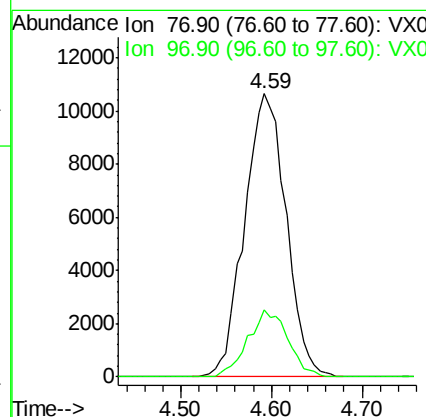
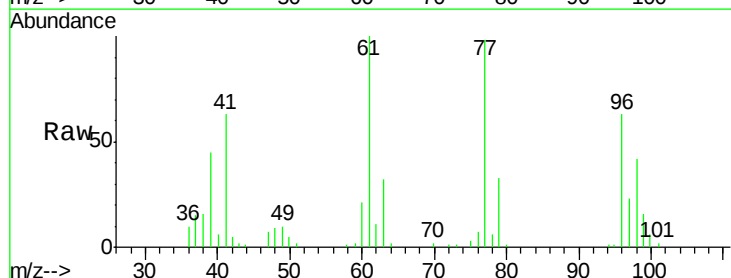
Acq: 22 Mar 2018 11:50

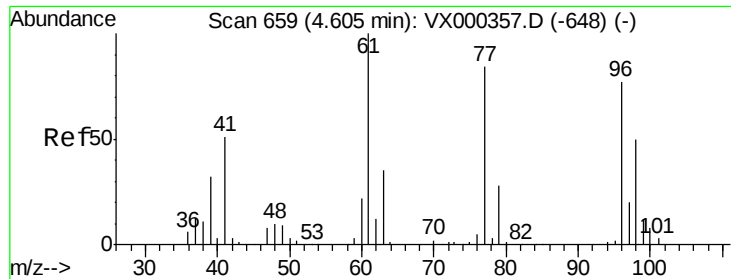
Tgt Ion: 77 Resp: 33735

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.94 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

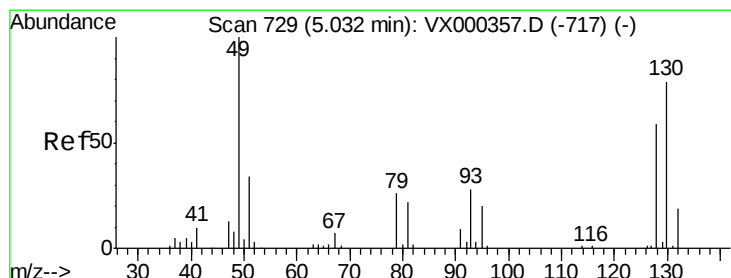
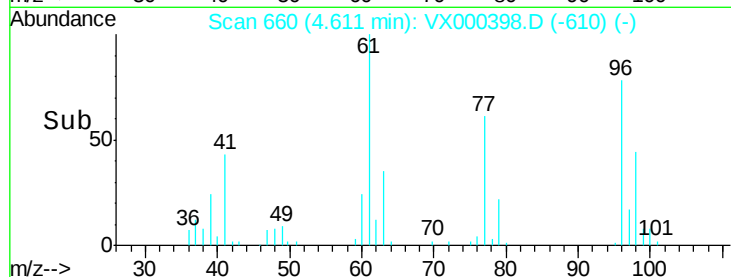
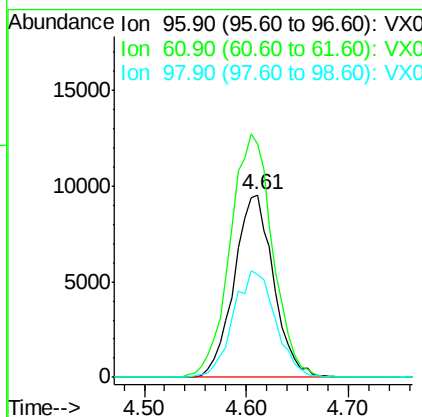
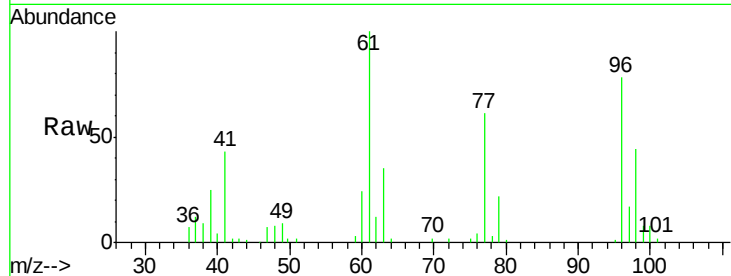
ClientSampleId :

VX0322WBS01

Tot Ion:	96	Resp:	25654
Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	291.6
98	62.2	0.0	132.0

Manual Integrations
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sam
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#28

Bromochloromethane

Concen: 19.52 ug/l

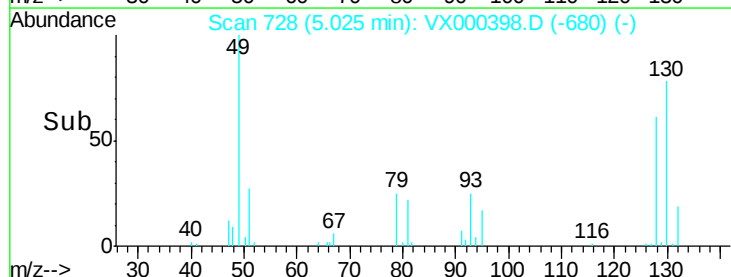
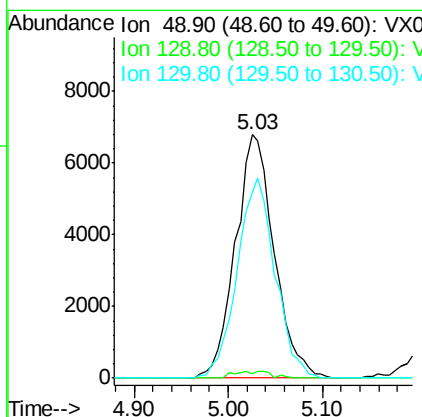
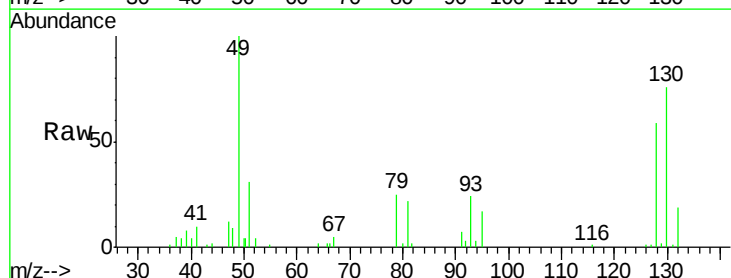
RT: 5.03 min Scan# 728

Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Tgt Ion:	49	Resp:	19522
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	5.0
130	80.7	64.0	96.0





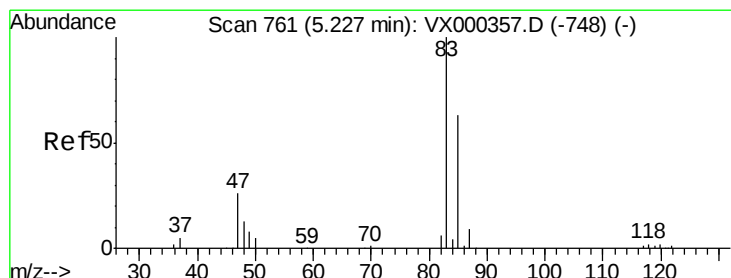
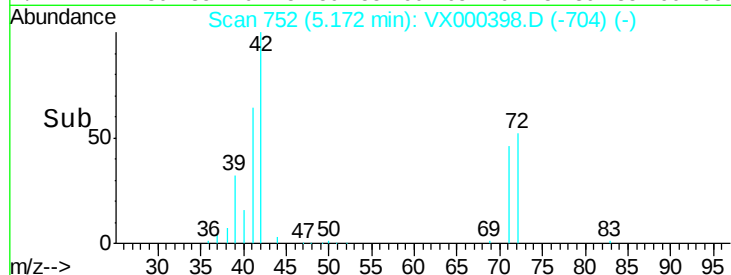
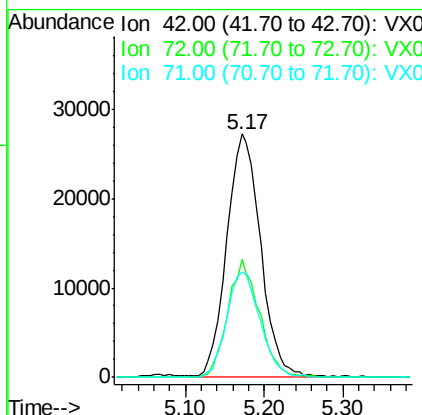
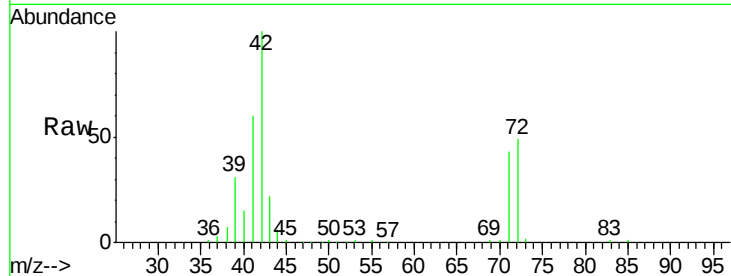
#29
Tetrahydrofuran
Concen: 94.57 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.9	56.9
71	43.1	34.4	51.6

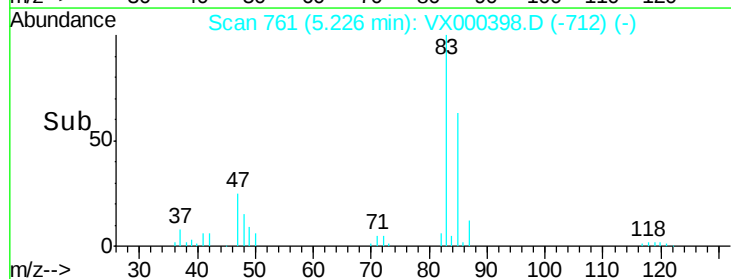
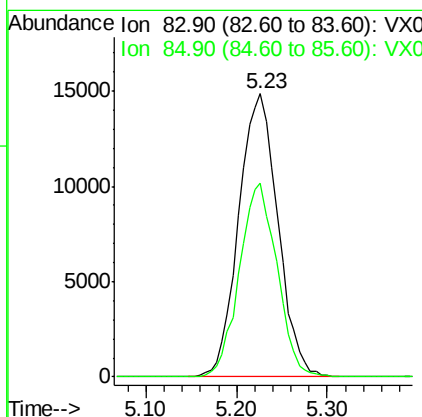
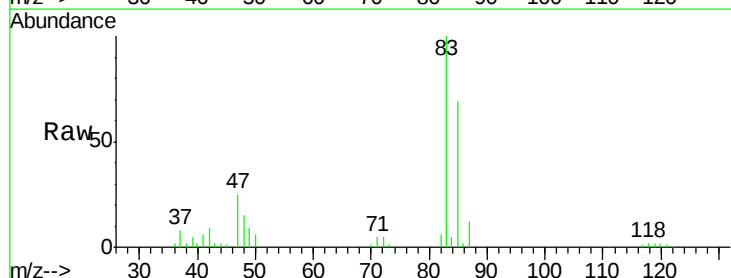
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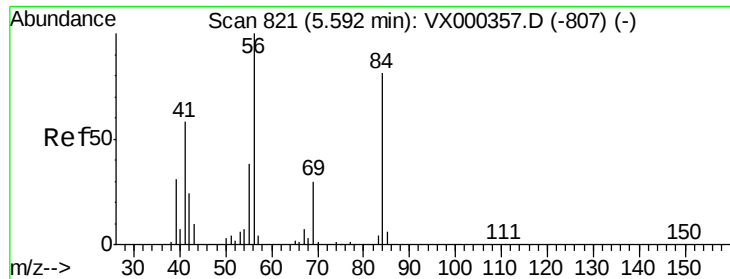
sam
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#30
Chloroform
Concen: 19.53 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	53.3	79.9





#31

Cvclohexane

Concen: 18.57 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

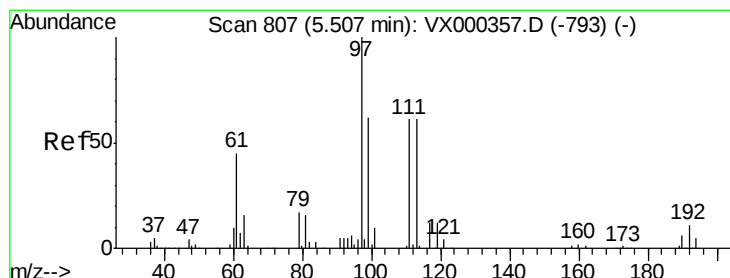
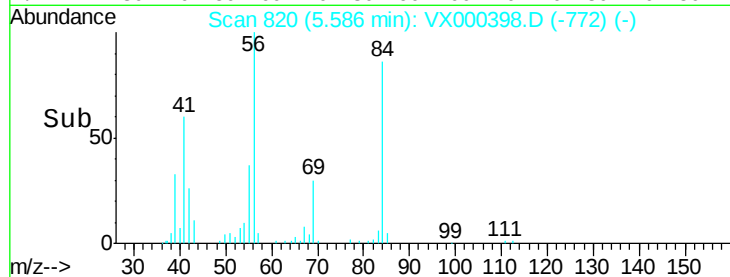
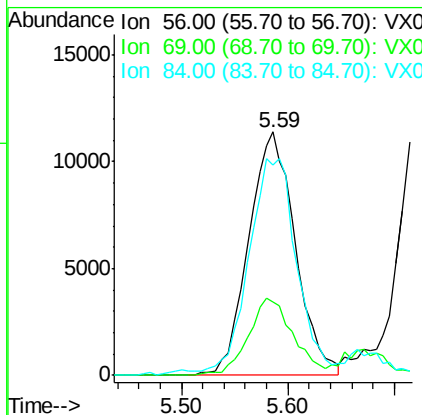
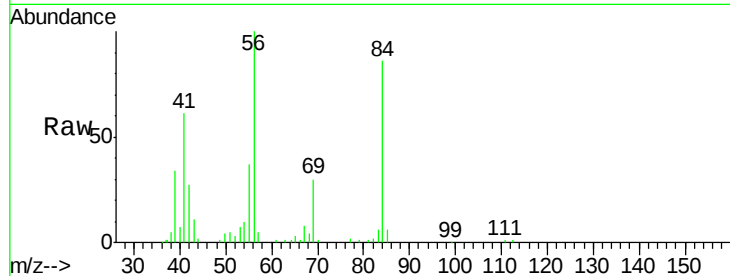
ClientSampleId :

VX0322WBS01

Tot Ion:	56	Resp:	34810
Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.4	35.0
84	84.2	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.12 ug/l

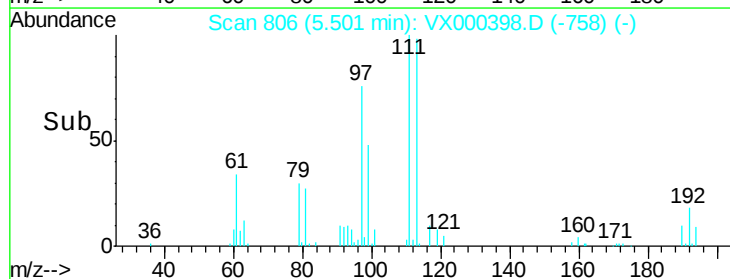
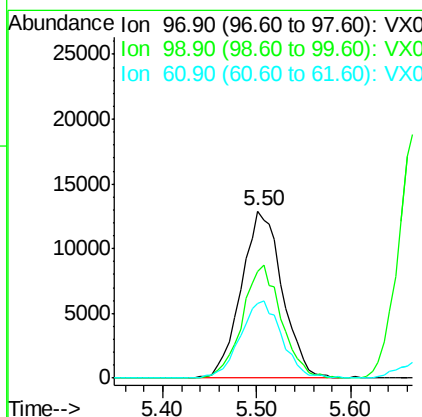
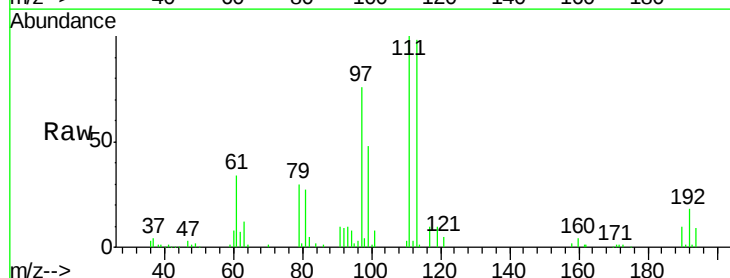
RT: 5.50 min Scan# 806

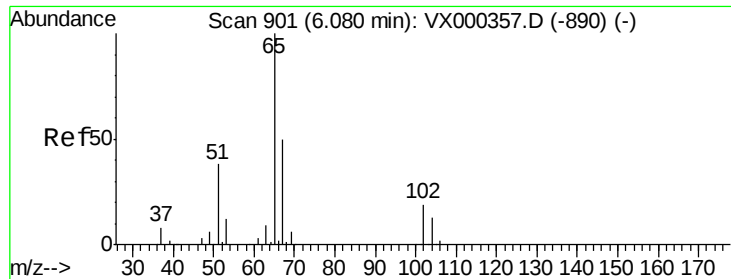
Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Tgt Ion:	97	Resp:	39216
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.1	78.1
61	46.7	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 49.21 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Tot Ion: 65 Resp: 73133

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.2

Instrument :

MSVOA_X

ClientSampleId :

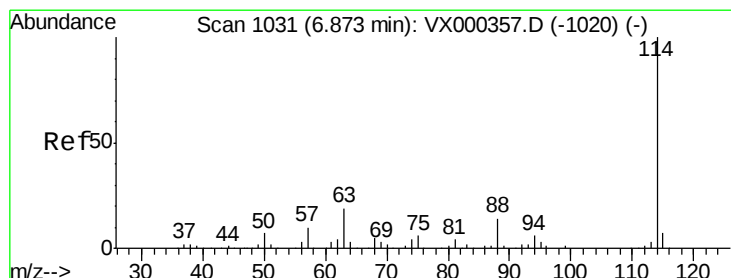
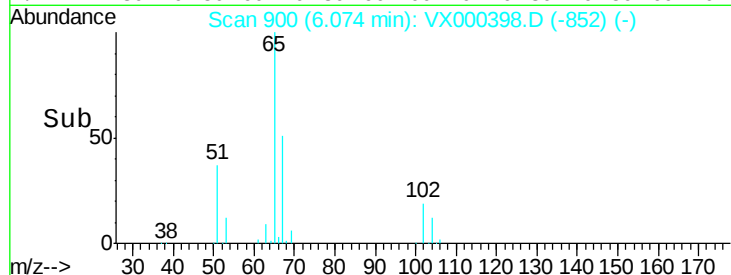
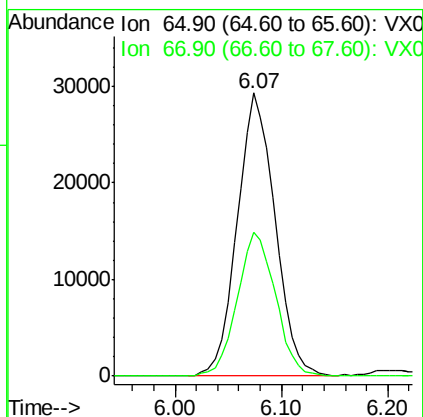
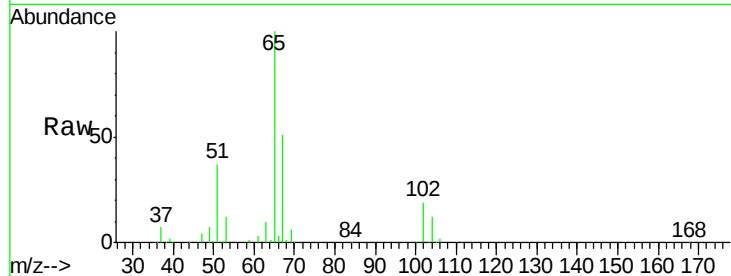
VX0322WBS01

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

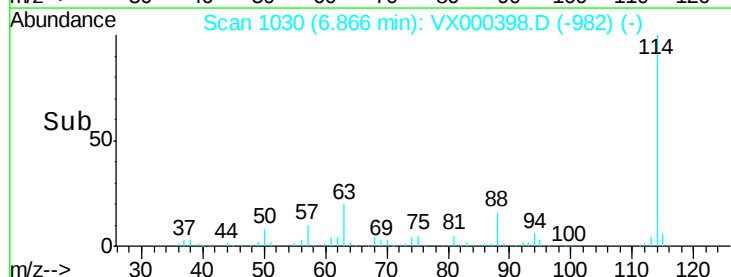
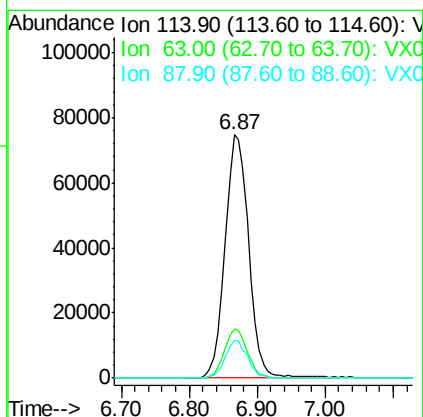
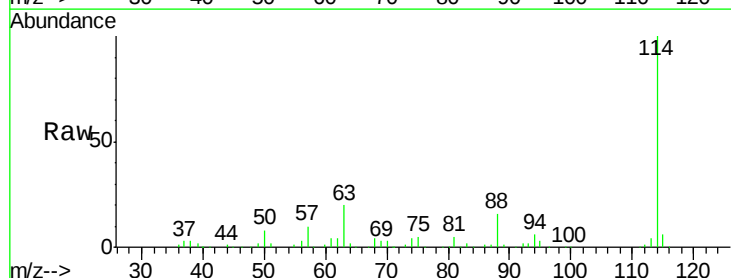
Tgt Ion: 114 Resp: 180255

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

88 15.5 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.47 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

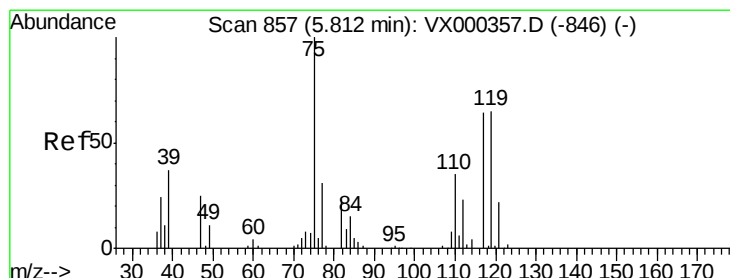
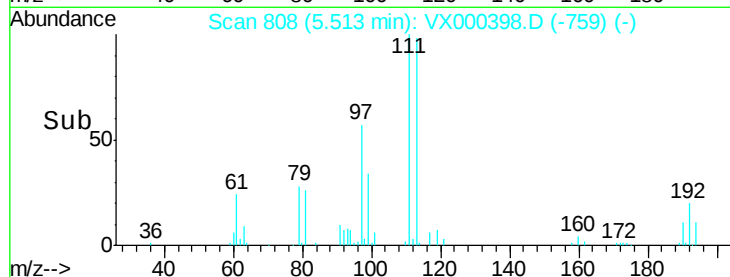
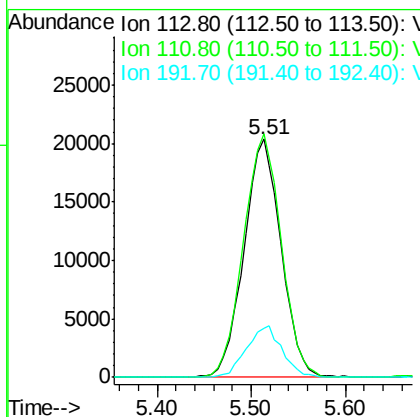
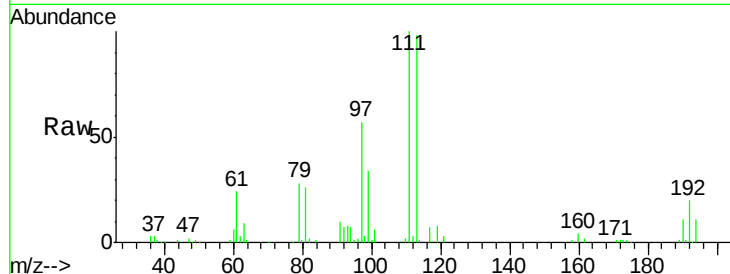
ClientSampled :

VX0322WBS01

Tot Ion:	113	Resp:	56187
Ion Ratio	Lower	Upper	
113	100		
111	104.2	82.4	123.6
192	20.8	15.8	23.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.61 ug/l

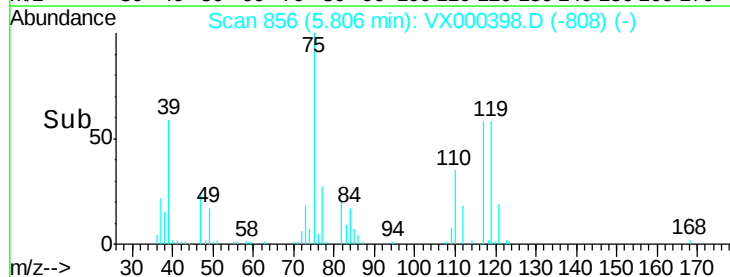
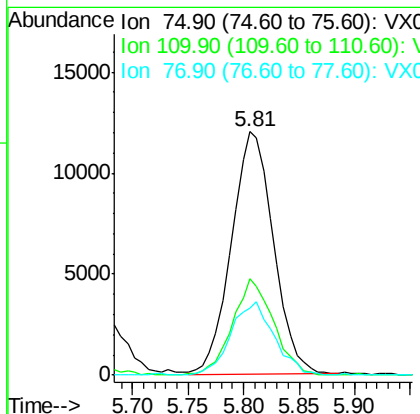
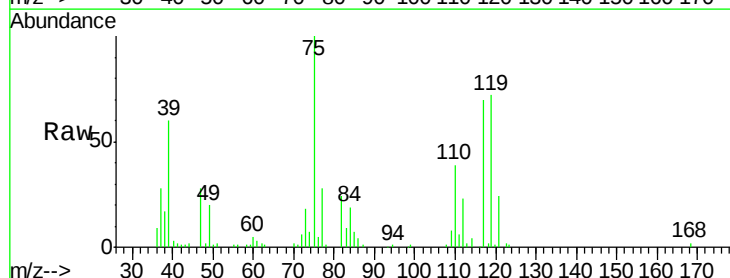
RT: 5.81 min Scan# 856

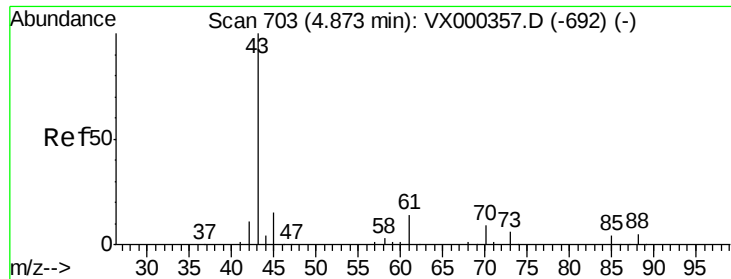
Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Tgt Ion:	75	Resp:	31429
Ion Ratio	Lower	Upper	
75	100		
110	38.8	17.9	53.7
77	31.1	24.0	36.0





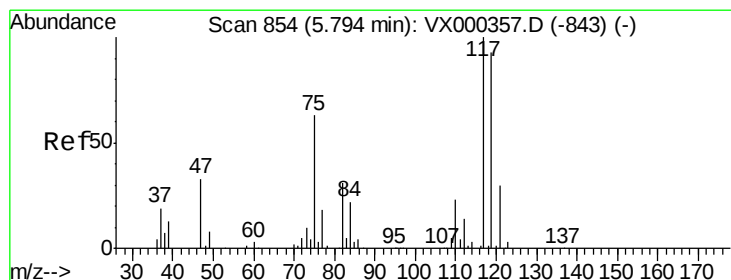
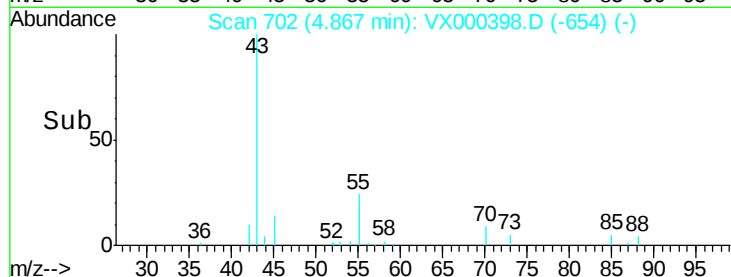
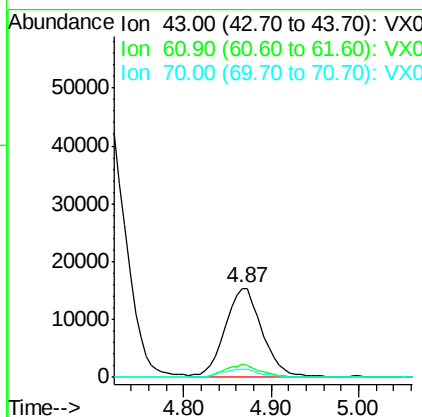
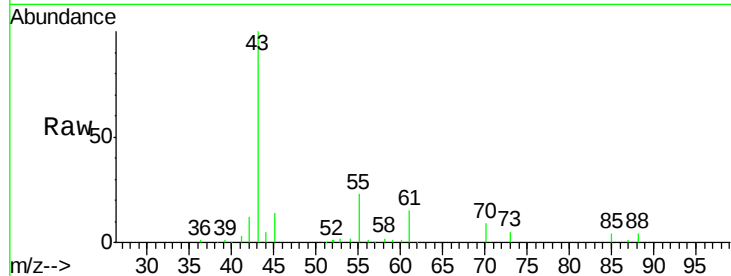
#37
Ethyl Acetate
Concen: 19.56 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	9.6	7.7	11.5

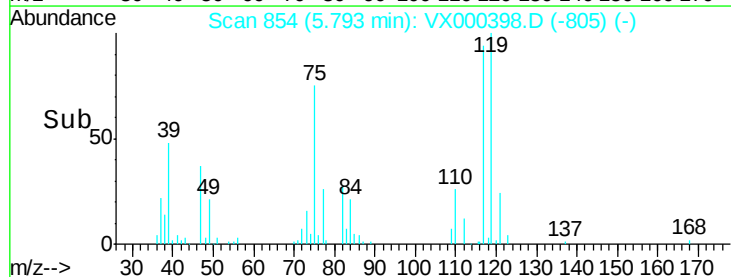
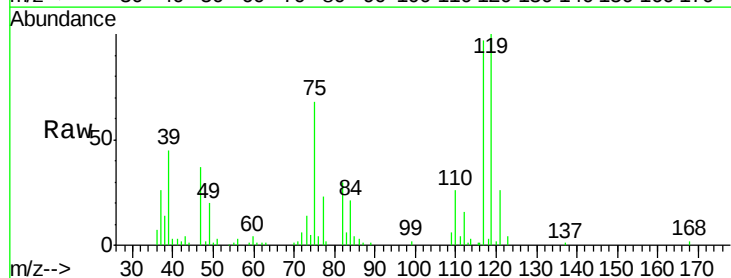
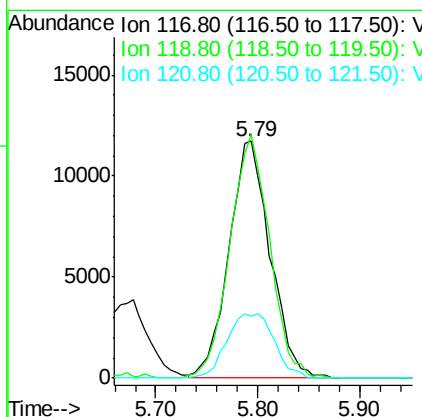
Manual Integrations
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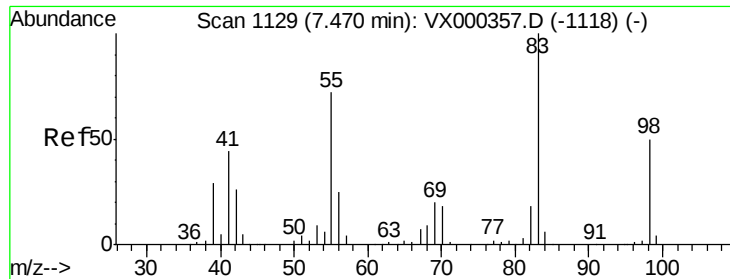
sam
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#38
Carbon Tetrachloride
Concen: 18.55 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.8	77.4	116.2
121	26.3	24.8	37.2





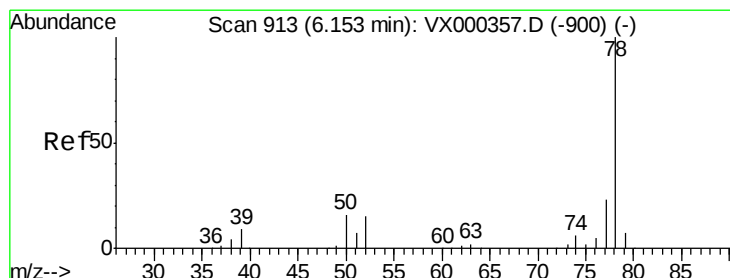
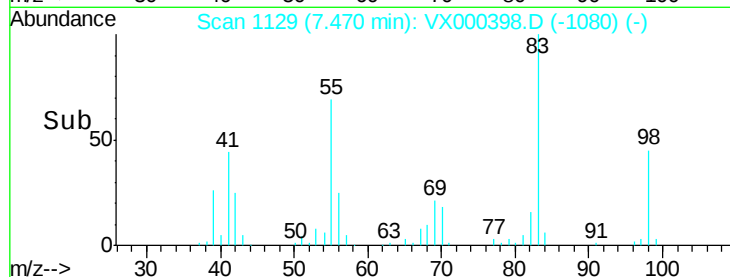
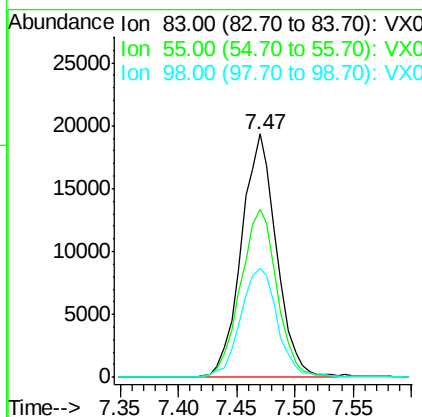
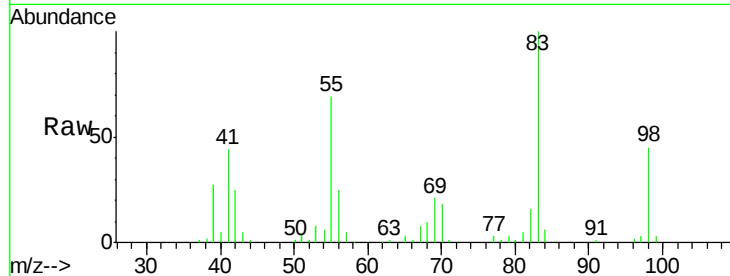
#39
Methvlcvclohexane
Concen: 19.79 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	55.5	83.3
98	44.6	38.2	57.4

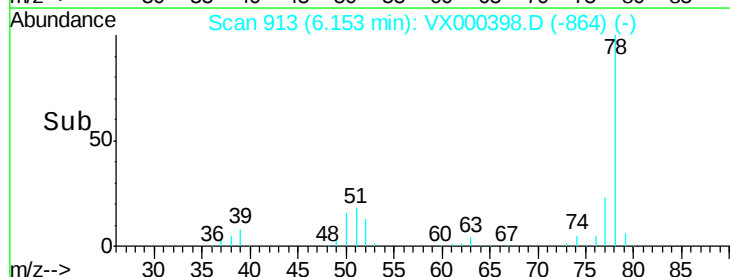
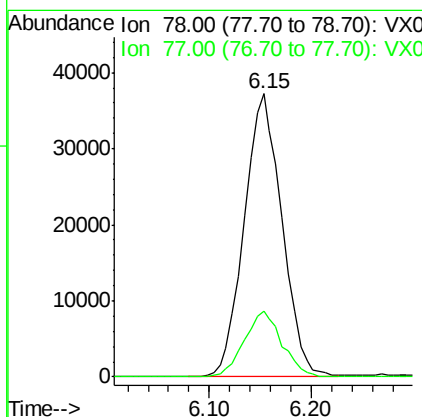
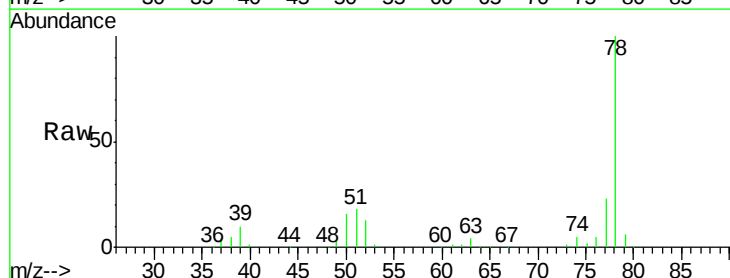
Manual Integrations
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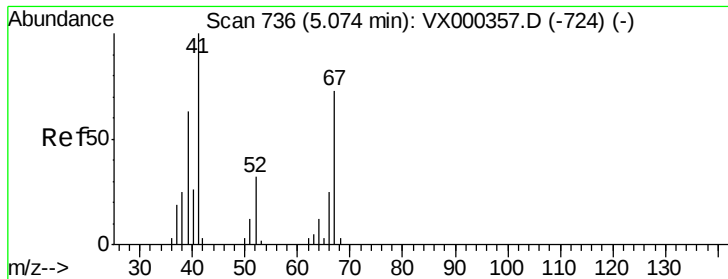
sam
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#40
Benzene
Concen: 19.59 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1





#41

Methacrylonitrile

Concen: 18.58 ug/l

RT: 5.07 min Scan# 736

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

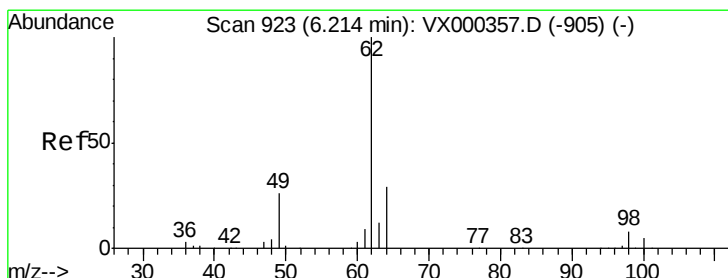
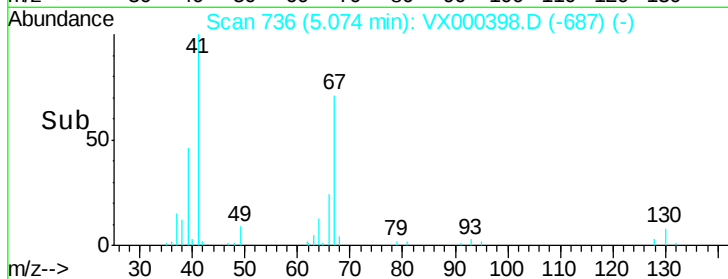
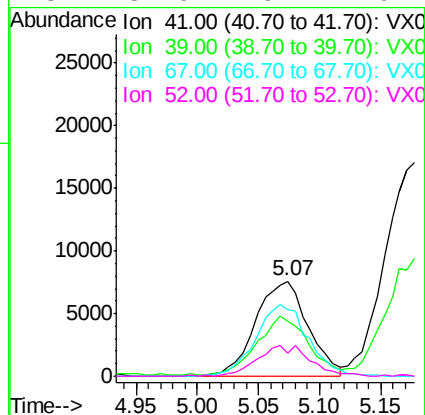
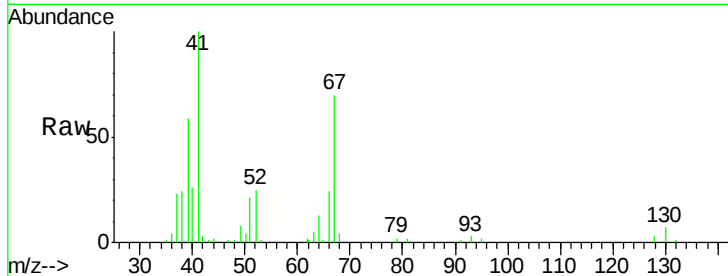
ClientSampleId :

VX0322WBS01

Tot Ion:	41	Resp:	22595
Ion	Ratio	Lower	Upper
41	100		
39	58.7	45.7	68.5
67	75.9	57.8	86.8
52	32.9	26.7	40.1

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.89 ug/l

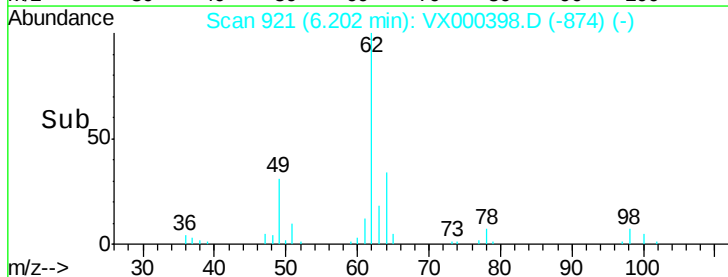
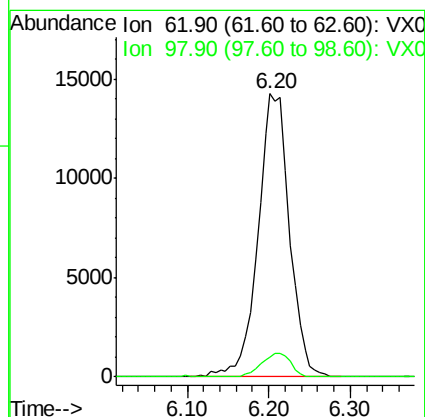
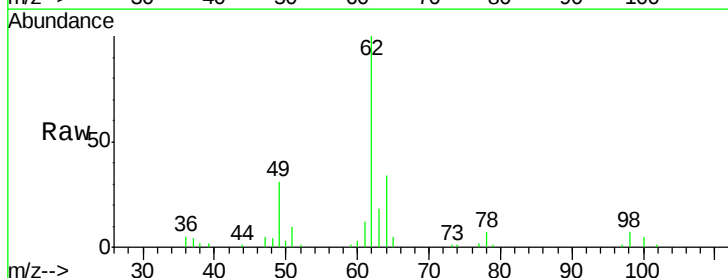
RT: 6.20 min Scan# 921

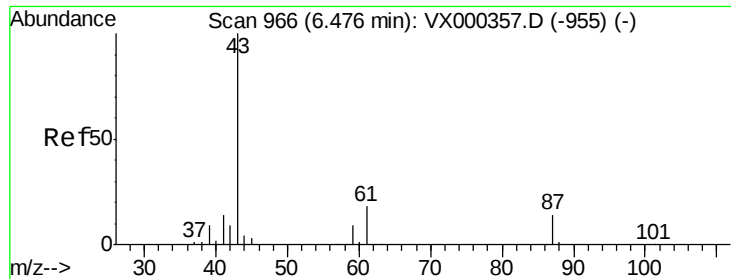
Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Tgt Ion:	62	Resp:	38273
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





#43

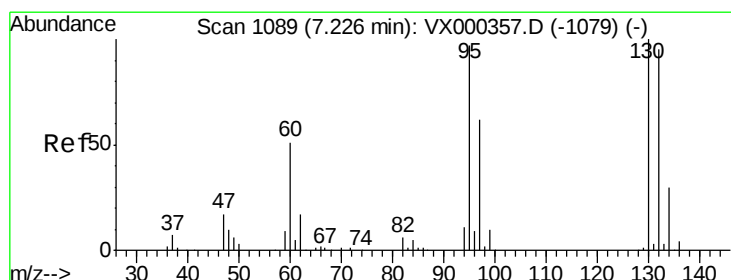
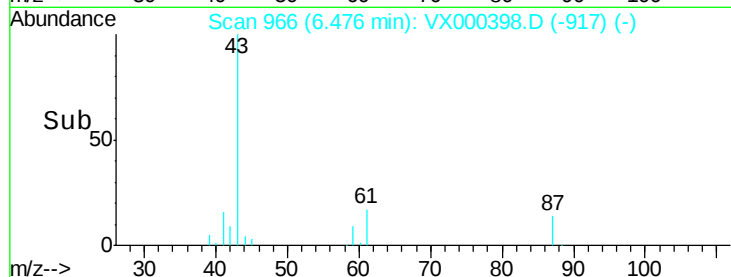
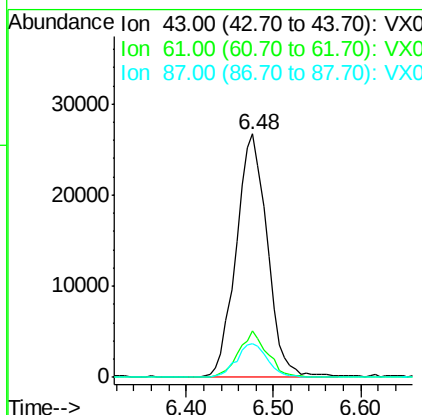
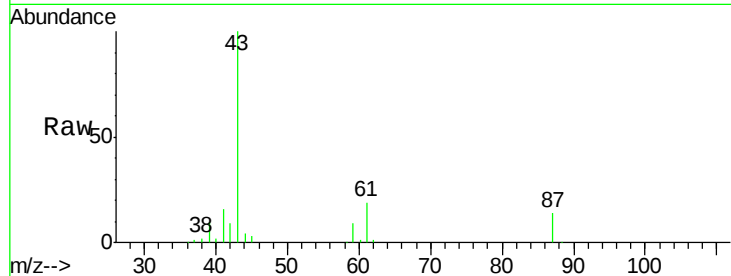
Isopropyl Acetate
 Concen: 19.26 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.4	21.6
87	13.6	11.0	16.4

Manual Integrations
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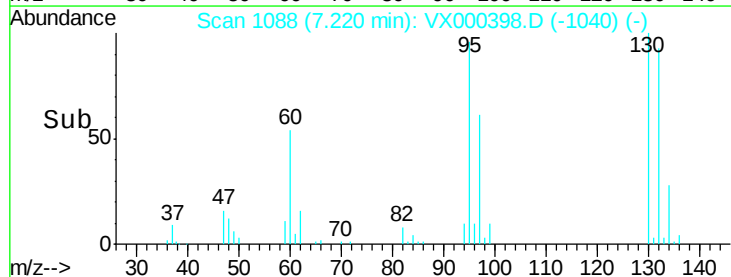
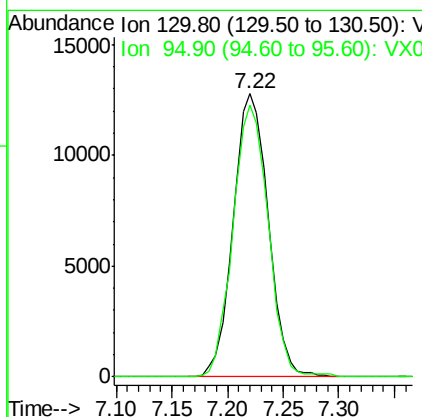
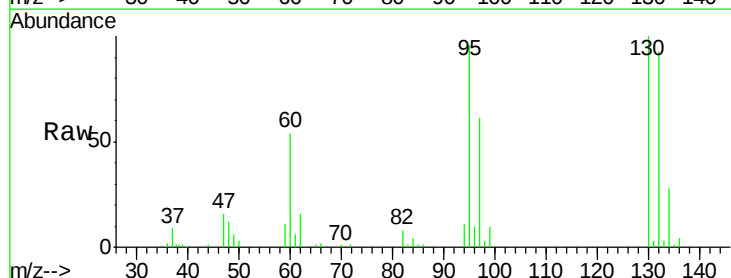
sam
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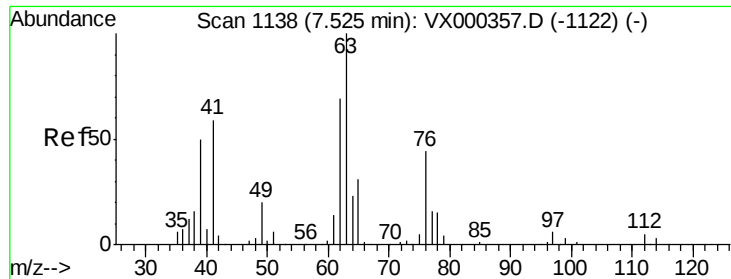


#44

Trichloroethene
 Concen: 19.84 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	186.0





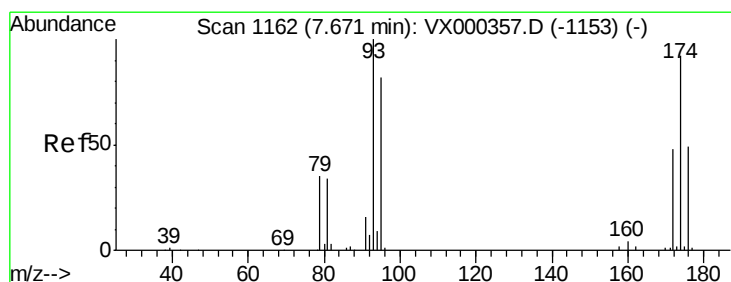
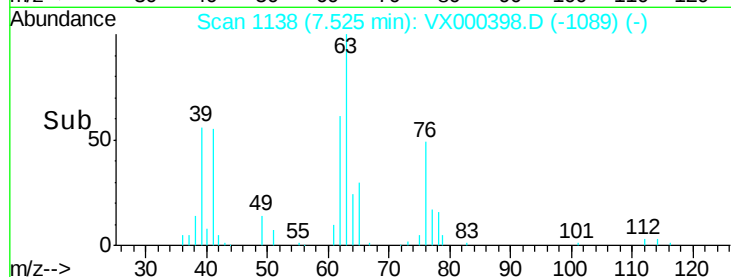
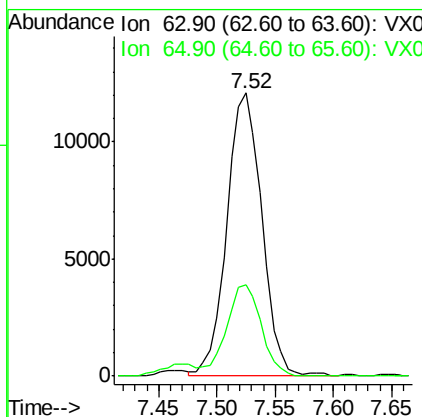
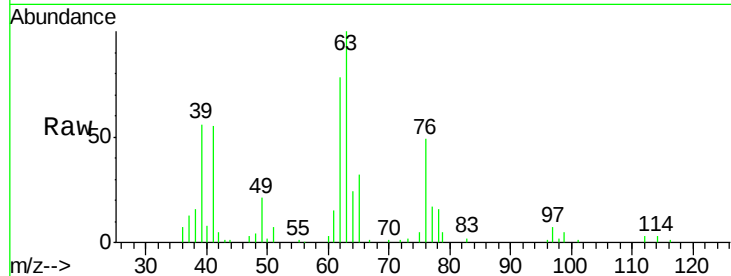
#45
 1,2-Dichloropropane
 Concen: 20.13 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Instrument :
 MSVOA_X
 ClientSampled :
 VX0322WBS01

Tot Ion: 63 Resp: 25269
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 36.8

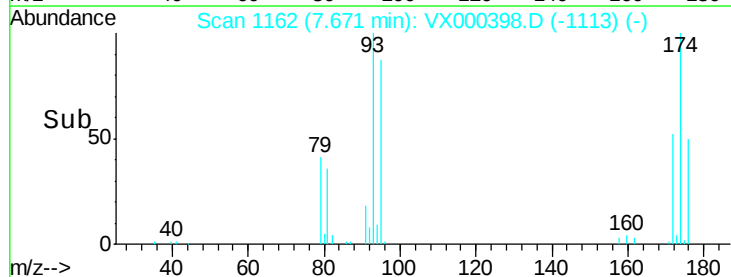
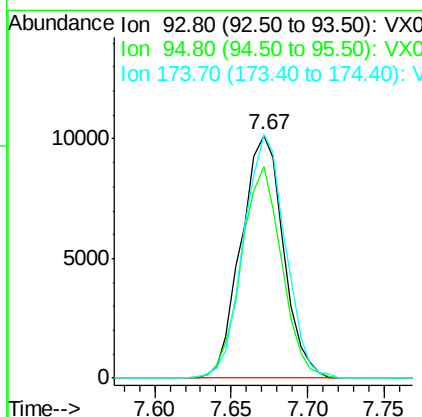
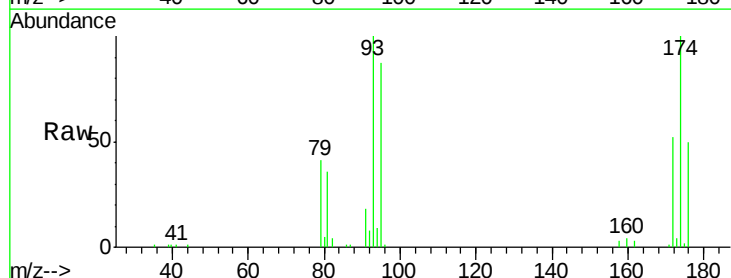
Manual Integrations
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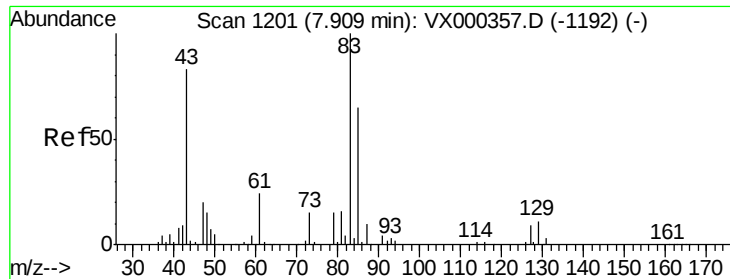
sam
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#46
 Dibromomethane
 Concen: 19.76 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Tgt Ion: 93 Resp: 19465
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.5 99.7
 174 99.7 76.0 114.0





#47

Bromodichloromethane

Concen: 20.12 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

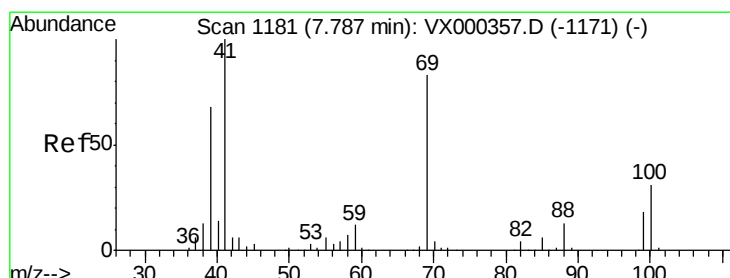
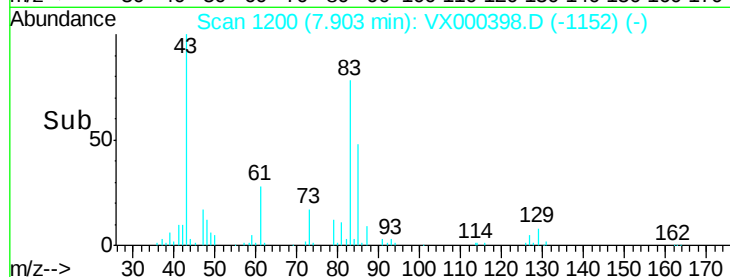
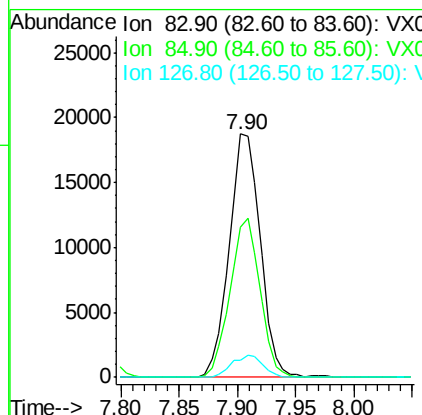
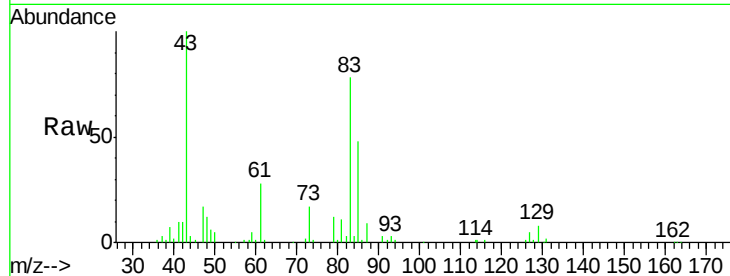
ClientSampleId :

VX0322WBS01

Tot Ion:	83	Resp:	34877
Ion Ratio	Lower	Upper	
83	100		
85	61.8	51.4	77.0
127	6.9	7.0	10.6#

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.48 ug/l

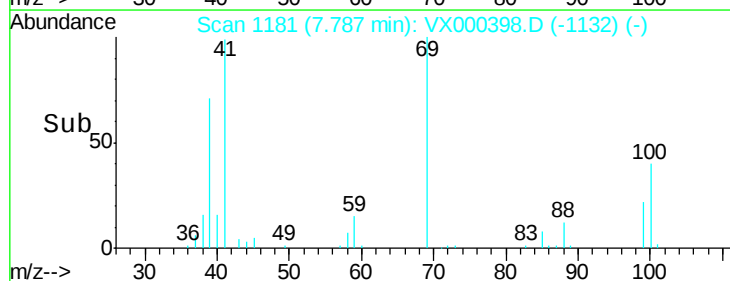
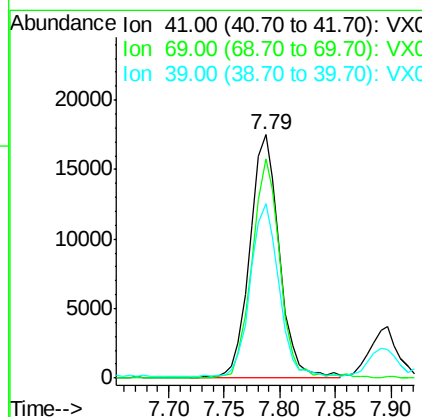
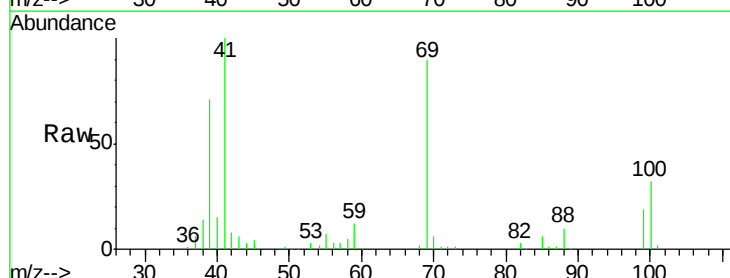
RT: 7.79 min Scan# 1181

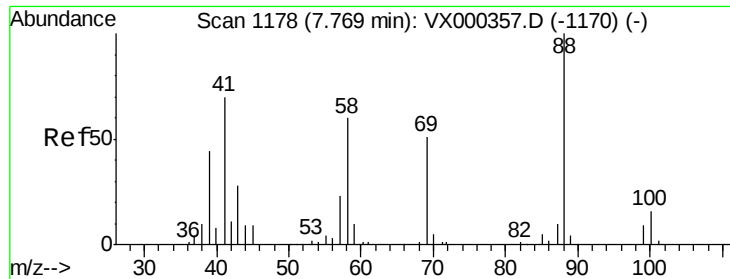
Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Tgt Ion:	41	Resp:	32471
Ion Ratio	Lower	Upper	
41	100		
69	84.8	68.2	102.4
39	68.5	54.6	81.8





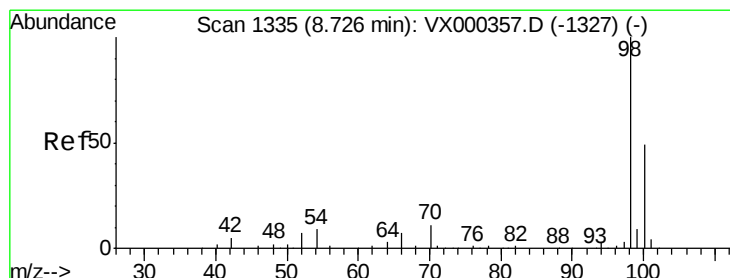
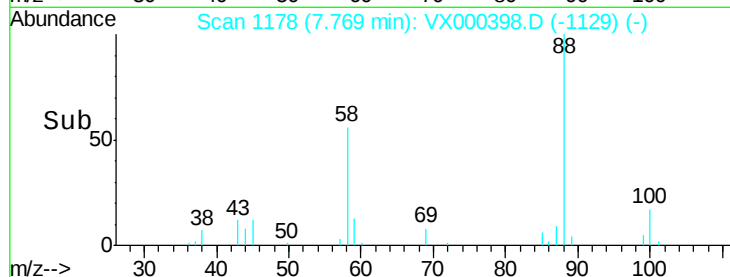
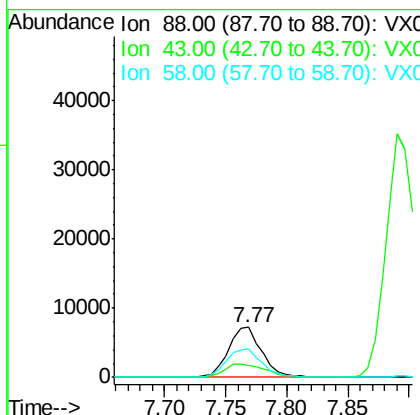
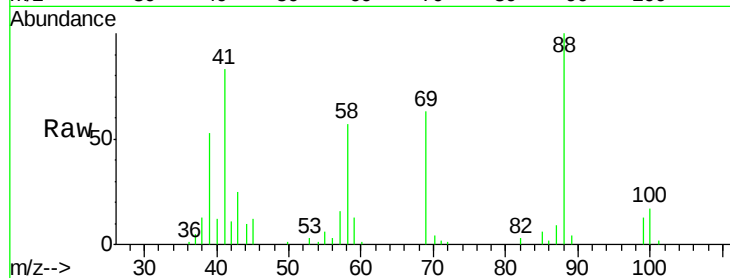
#49
1,4-Dioxane
Concen: 389.92 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.8	40.2
58	59.7	52.2	78.2

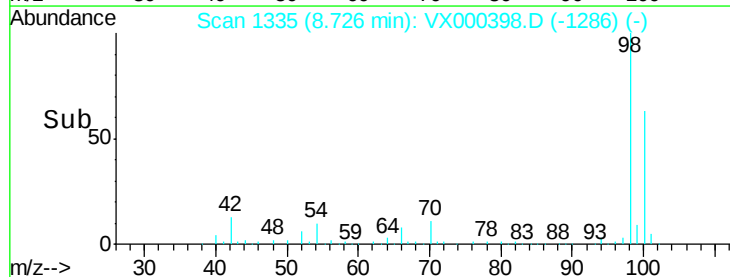
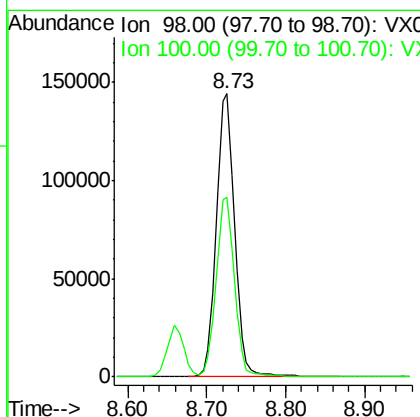
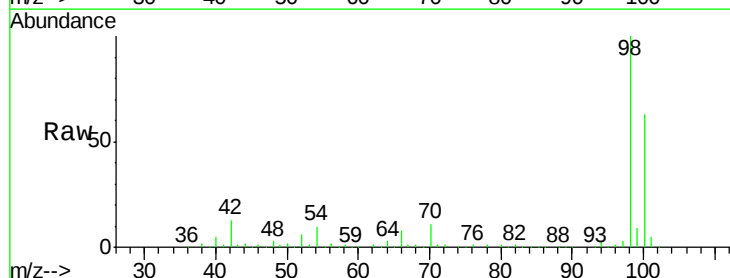
Manual Integrations
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#50
Toluene-d8
Concen: 49.82 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 100.46 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 43 Resp: 266953

Ion Ratio Lower Upper

43 100

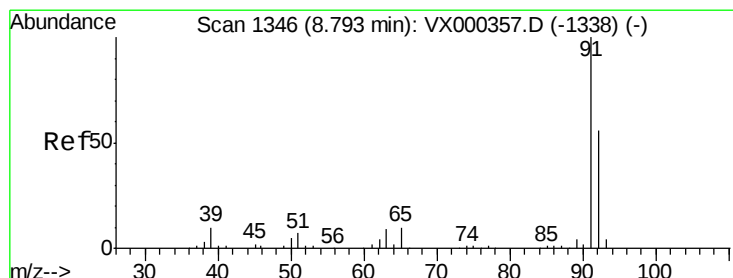
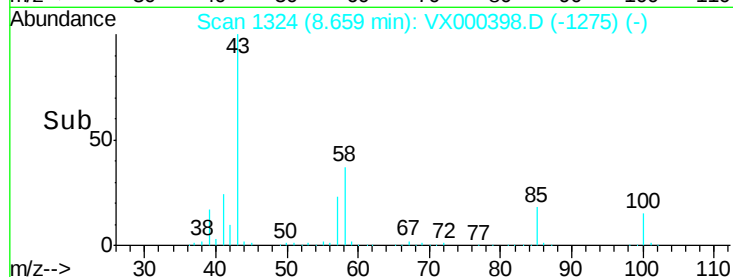
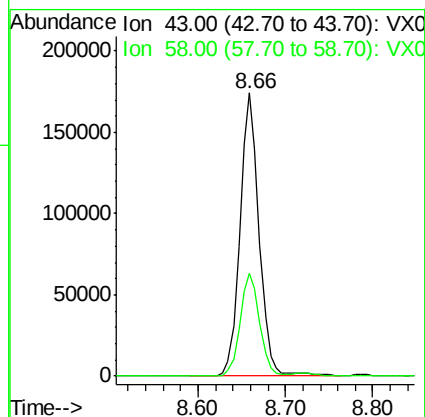
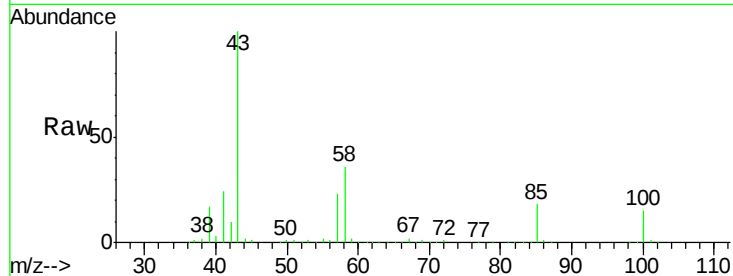
58 36.6 30.3 45.5

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#52

Toluene

Concen: 19.80 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000398.D

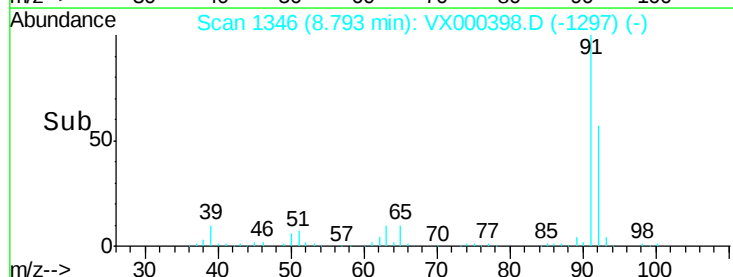
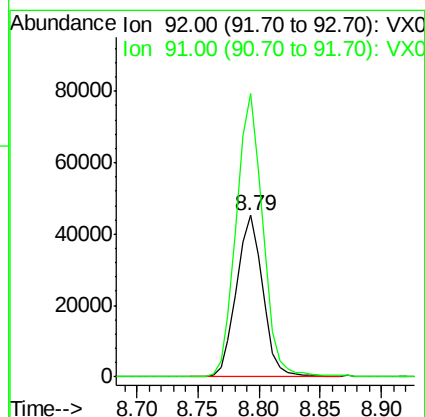
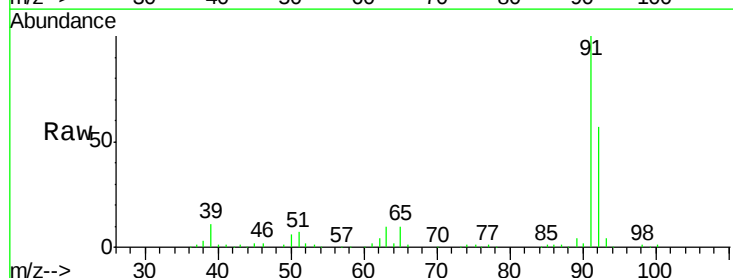
Acq: 22 Mar 2018 11:50

Tgt Ion: 92 Resp: 67868

Ion Ratio Lower Upper

92 100

91 176.0 140.2 210.2





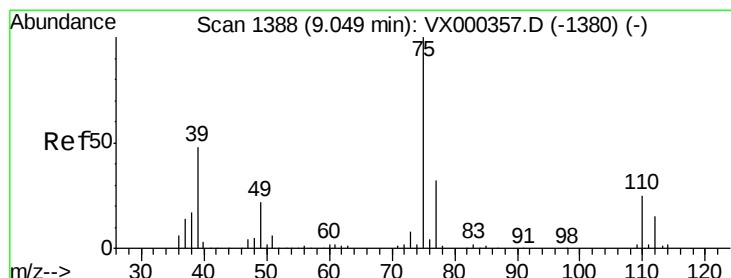
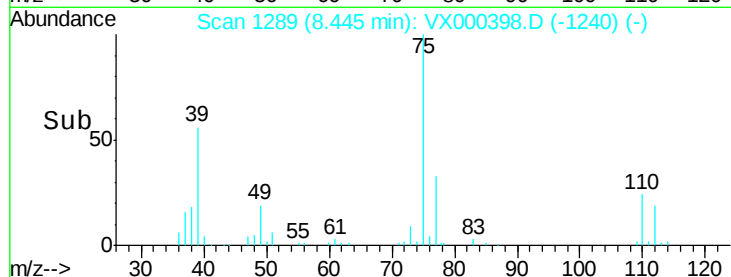
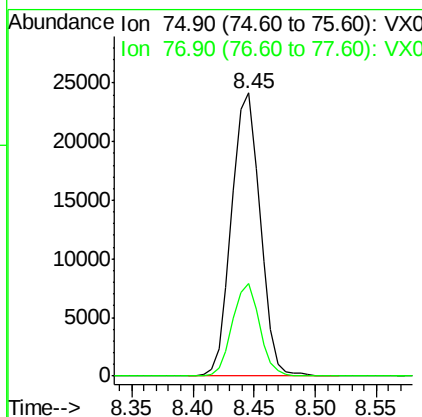
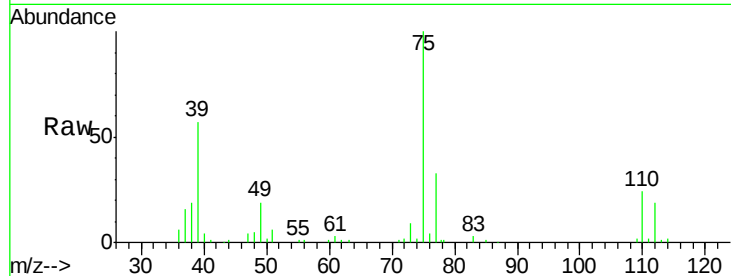
#53
t-1,3-Dichloropropene
Concen: 19.48 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion: 75 Resp: 39126
Ion Ratio Lower Upper
75 100
77 32.6 24.0 36.0

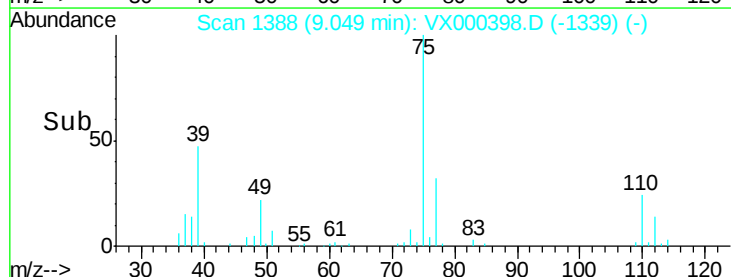
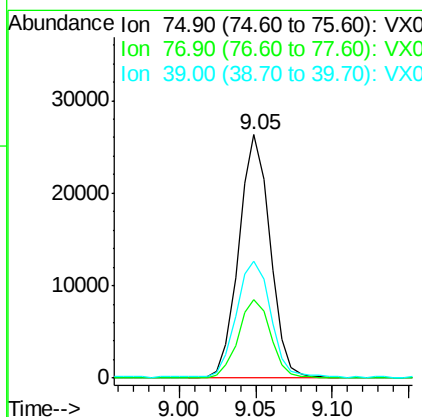
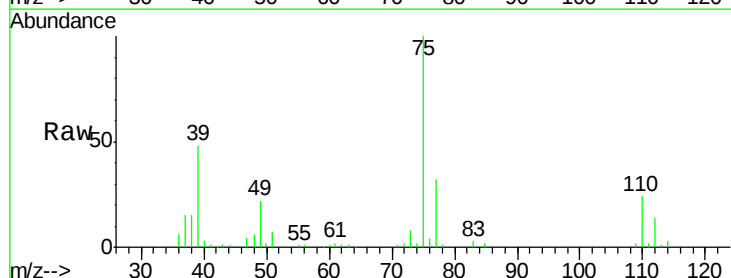
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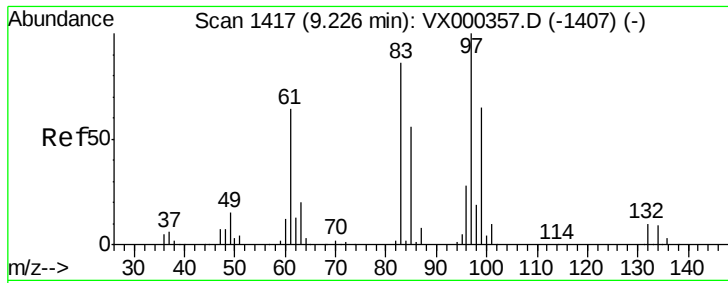
sam
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#54
cis-1,3-Dichloropropene
Concen: 19.16 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion: 75 Resp: 37328
Ion Ratio Lower Upper
75 100
77 32.2 26.1 39.1
39 47.6 39.8 59.6





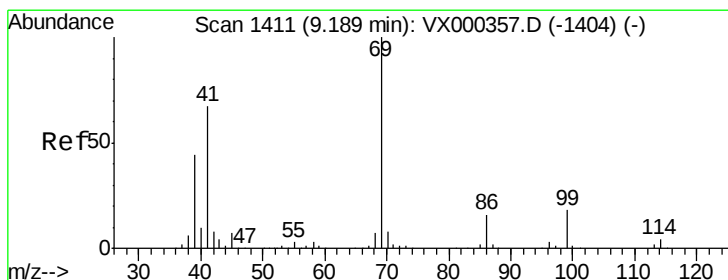
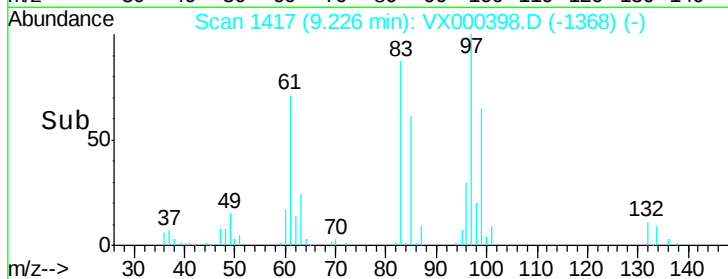
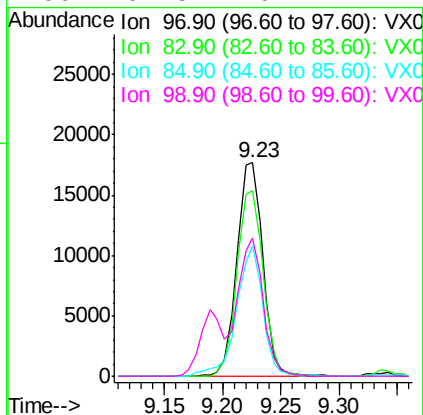
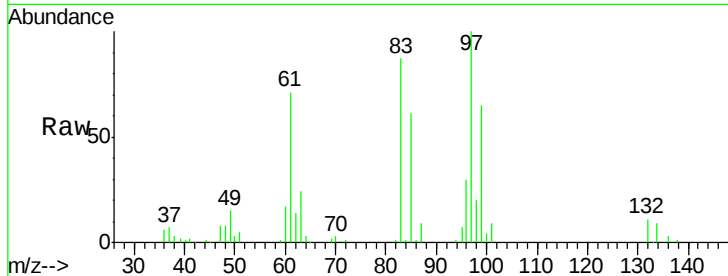
#55
 1,1,2-Trichloroethane
 Concen: 19.56 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion:	97	Resp:	27576
Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.9	101.9
85	61.4	42.8	64.2
99	64.5	49.4	74.2

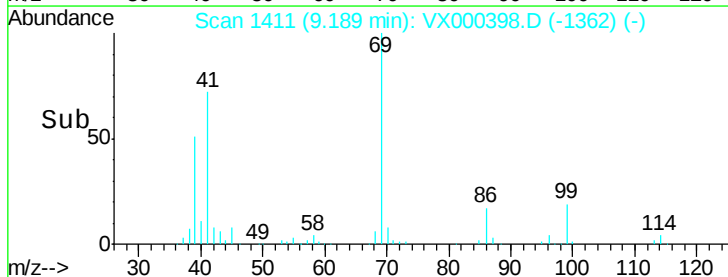
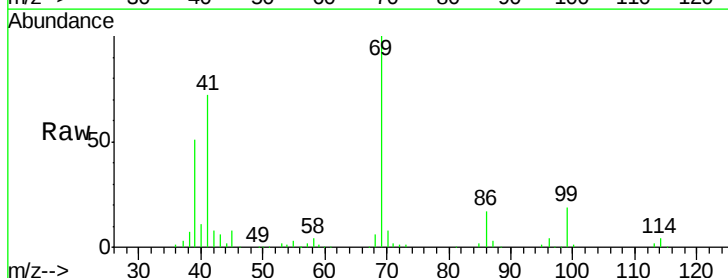
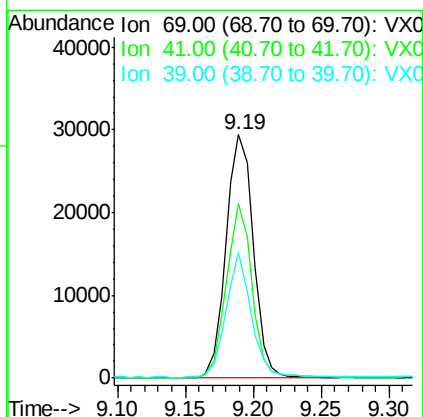
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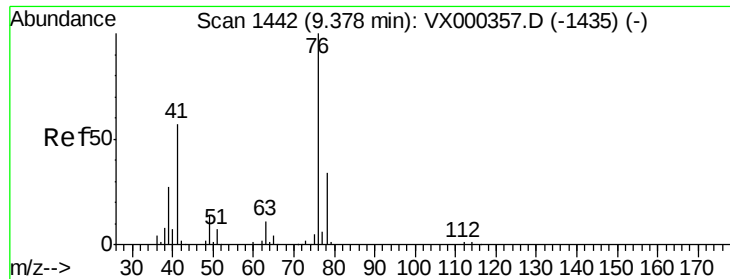
sam
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#56
 Ethyl methacrylate
 Concen: 19.29 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Tgt Ion:	69	Resp:	41215
Ion	Ratio	Lower	Upper
69	100		
41	67.9	53.0	79.6
39	47.1	35.3	52.9





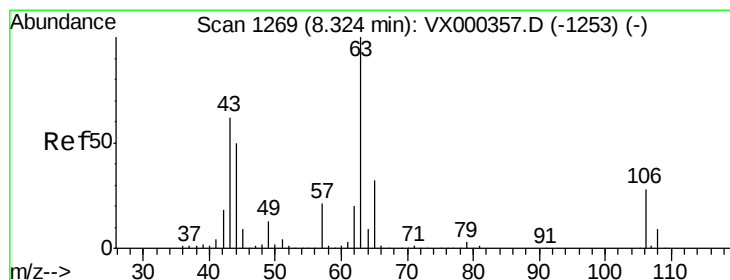
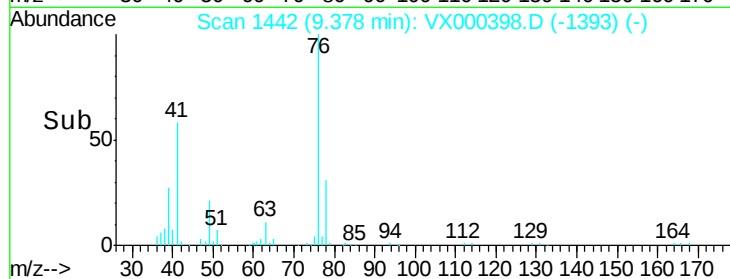
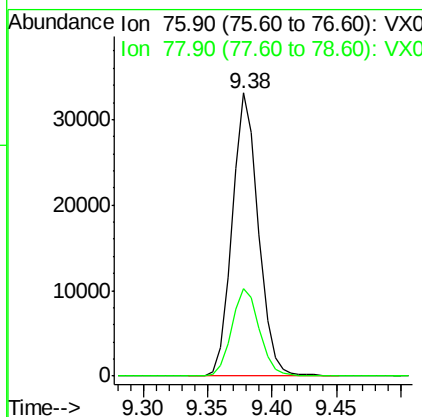
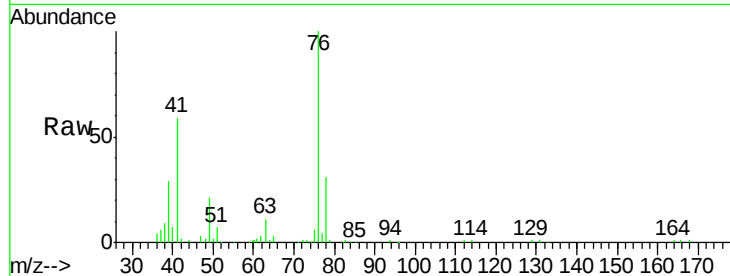
#57
 1,3-Dichloropropane
 Concen: 20.83 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion: 76 Resp: 46970
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.4 39.6

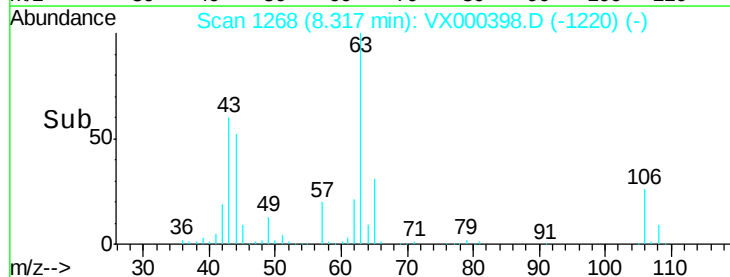
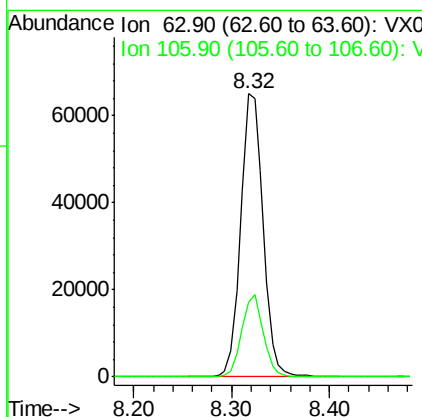
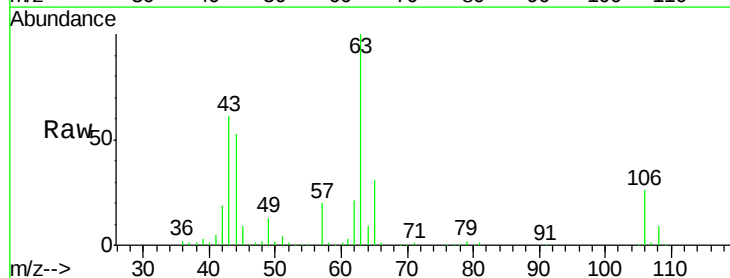
Manual Integrations
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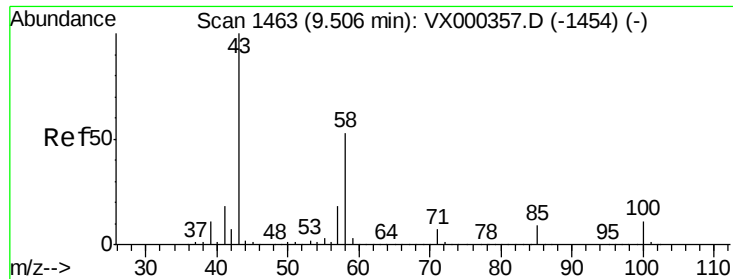
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 100.96 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Tgt Ion: 63 Resp: 103506
 Ion Ratio Lower Upper
 63 100
 106 28.1 23.2 34.8





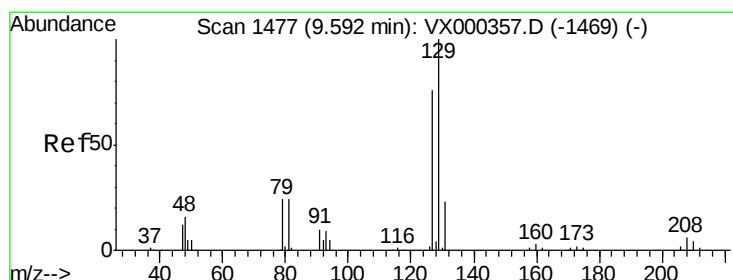
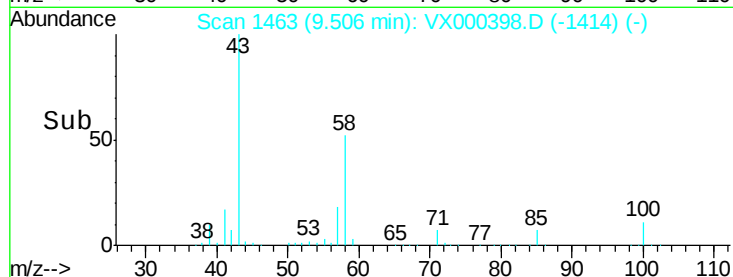
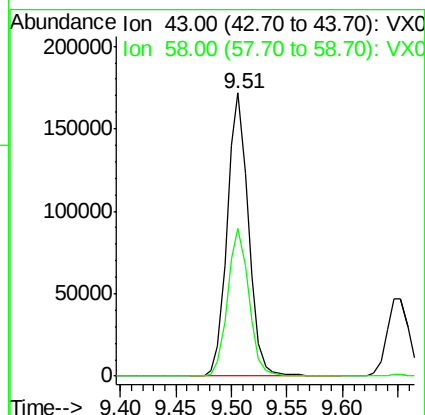
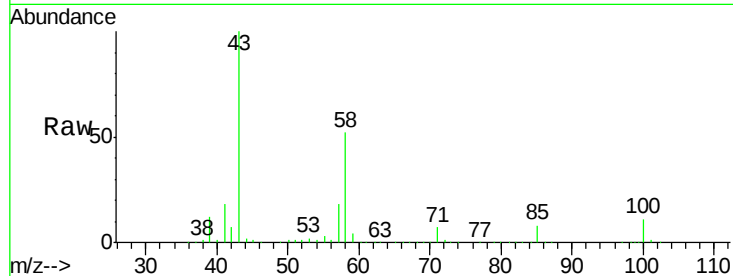
#59
2-Hexanone
Concen: 100.68 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion: 43 Resp: 227178
Ion Ratio Lower Upper
43 100
58 52.1 26.6 79.7

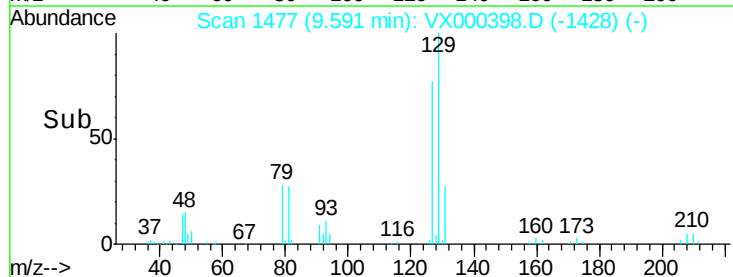
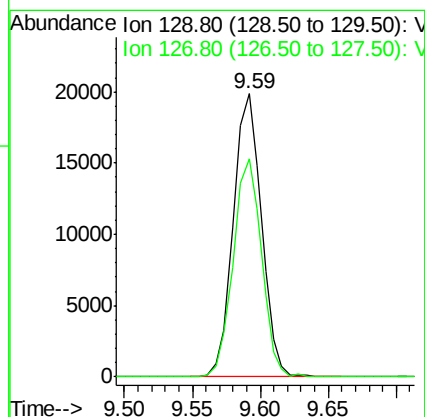
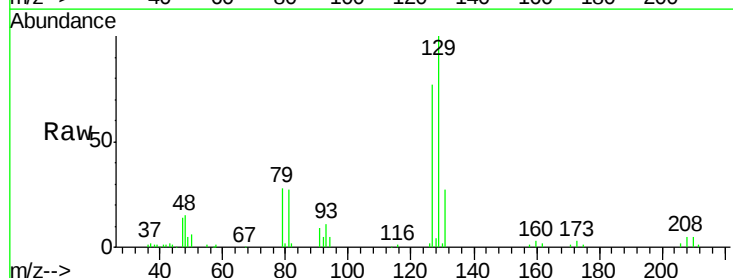
Manual Integrations
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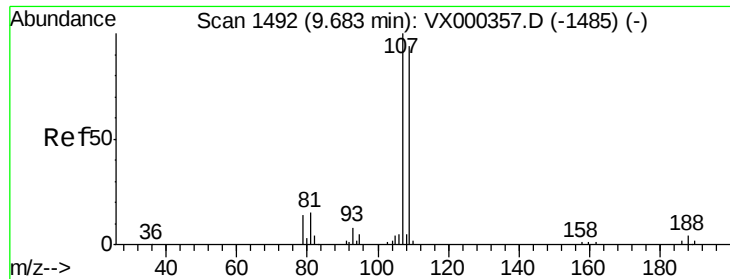
sam
3/23/2018 1:52:57 PM



#60
Dibromochloromethane
Concen: 19.89 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion: 129 Resp: 28673
Ion Ratio Lower Upper
129 100
127 77.4 37.9 113.6





#61

1,2-Dibromoethane

Concen: 20.19 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion:107 Resp: 30514

Ion Ratio Lower Upper

107 100

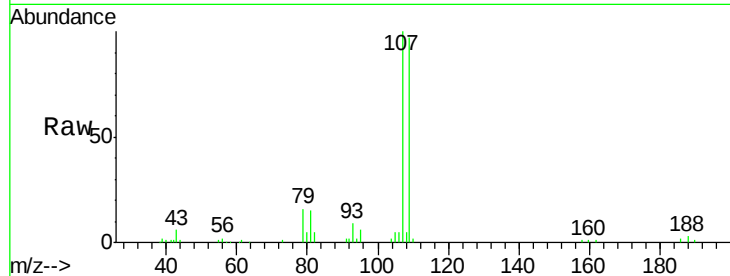
109 96.4 76.1 114.1

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

9.68

20000

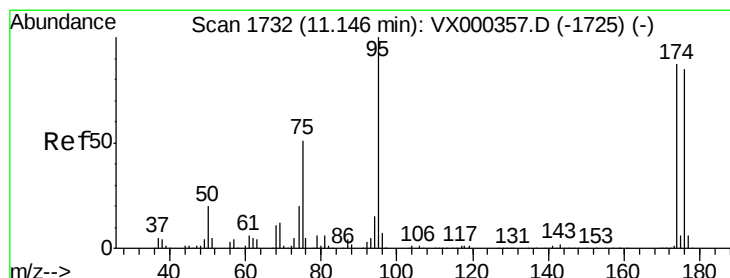
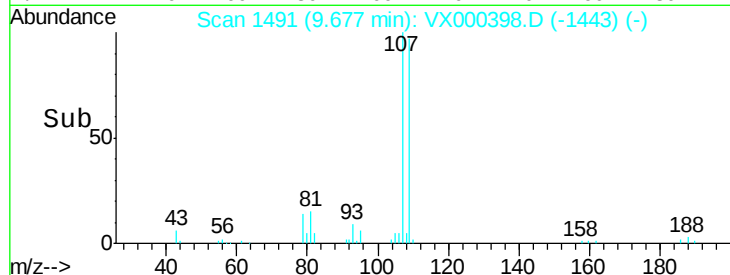
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.31 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

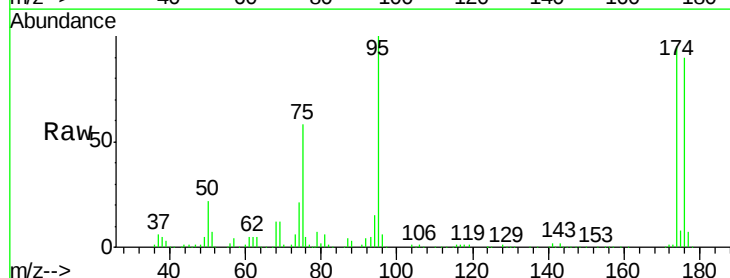
Tgt Ion: 95 Resp: 86477

Ion Ratio Lower Upper

95 100

174 91.6 0.0 173.6

176 87.2 0.0 164.6



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

11.15

80000

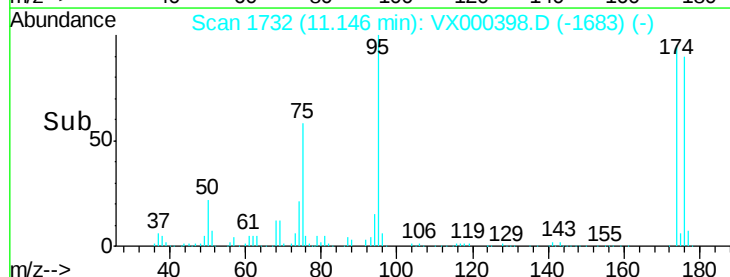
60000

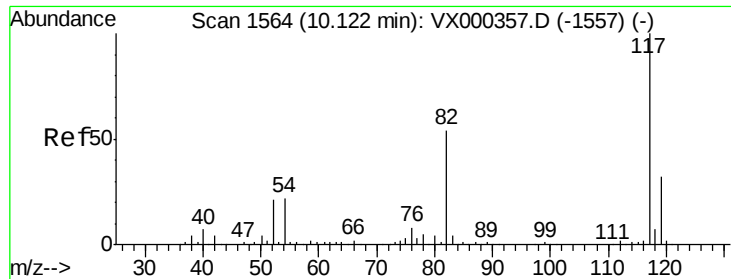
40000

20000

0

Time-->





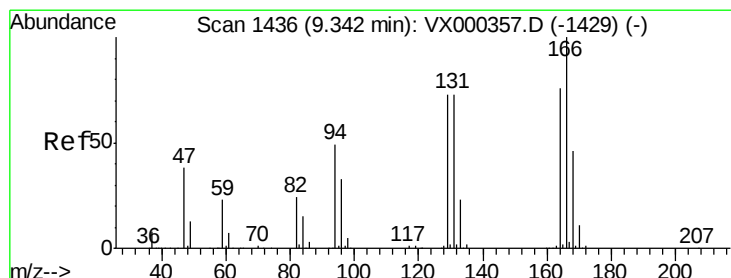
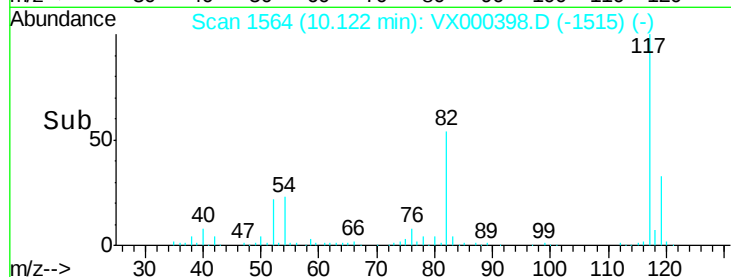
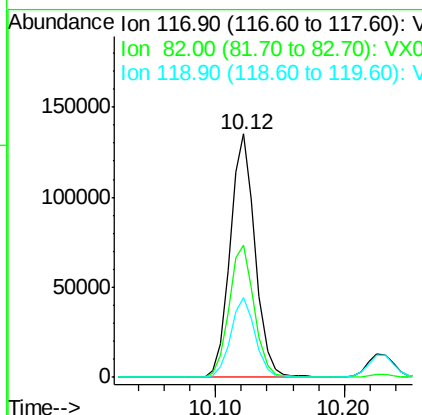
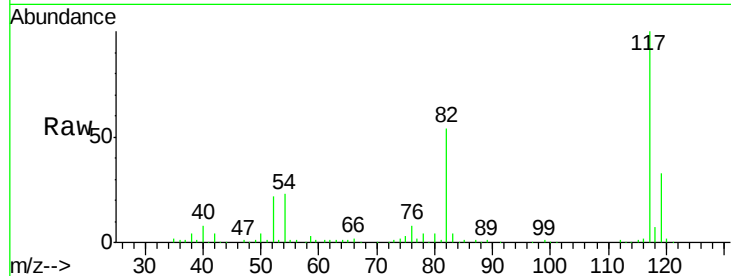
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.8	65.8
119	32.9	24.9	37.3

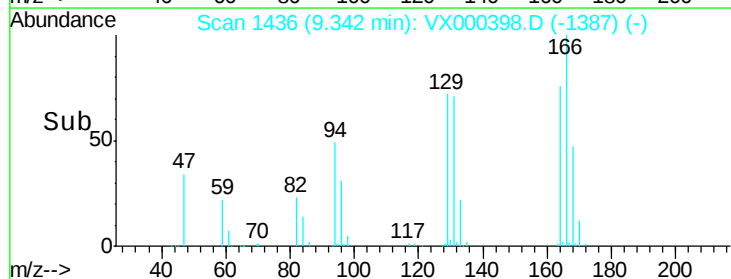
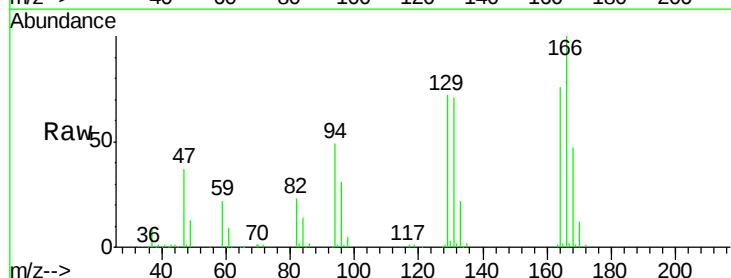
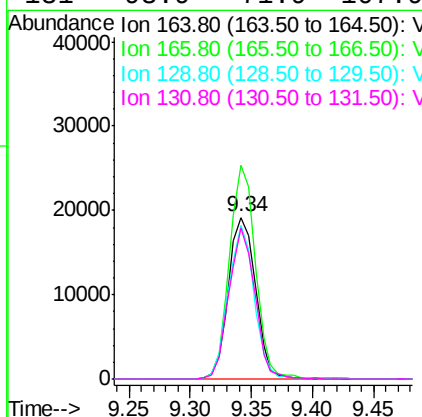
Manual Integrations
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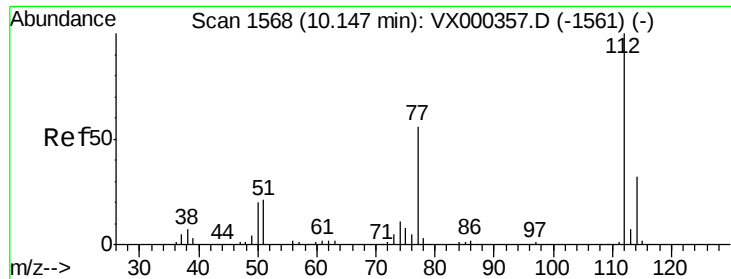
sam
3/23/2018 1:52:57 PM



#64
Tetrachloroethene
Concen: 20.85 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.3	101.0	151.6
129	95.1	79.0	118.4
131	93.9	71.9	107.9





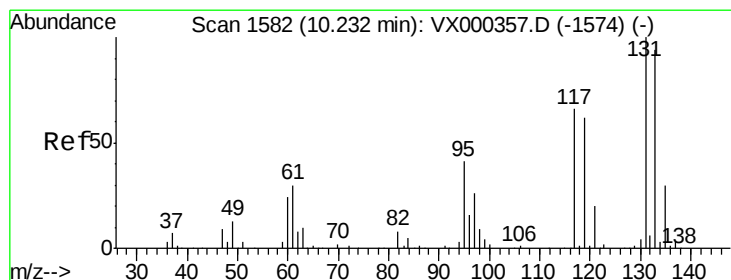
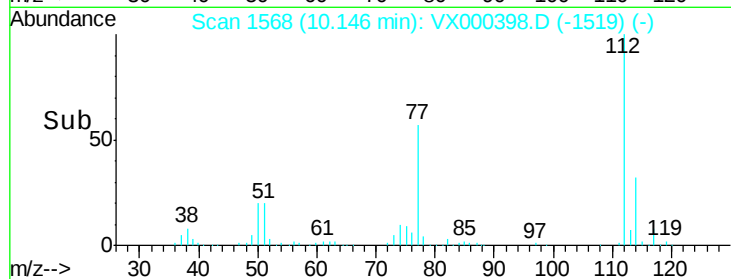
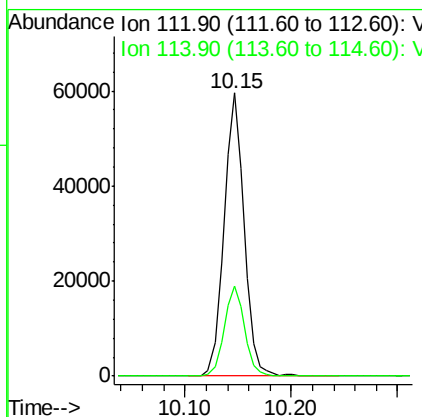
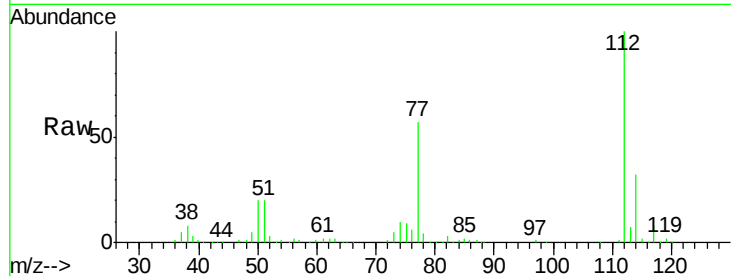
#65
Chlorobenzene
Concen: 19.32 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampled :
VX0322WBS01

Tot Ion:112 Resp: 78499
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5

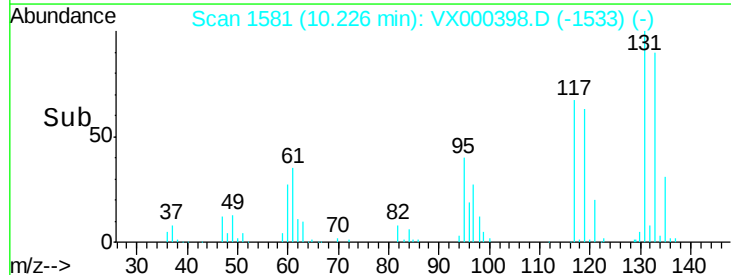
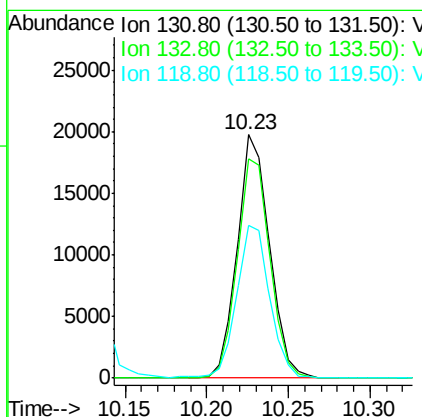
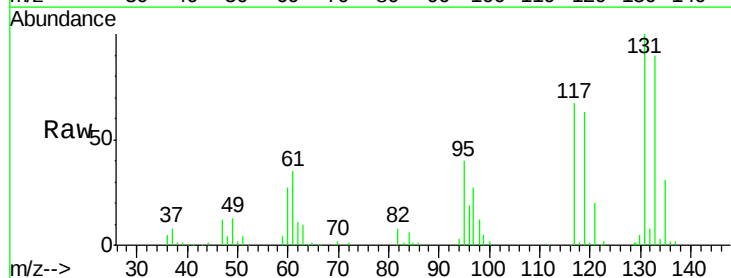
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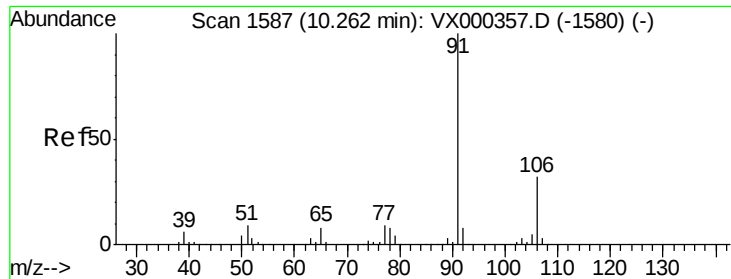
sam
3/23/2018 1:52:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.71 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion:131 Resp: 27197
Ion Ratio Lower Upper
131 100
133 91.9 47.1 141.3
119 64.4 33.1 99.2





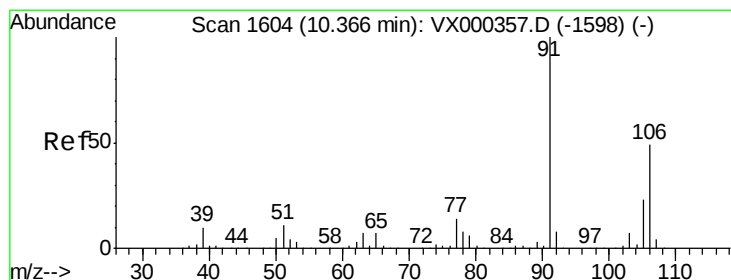
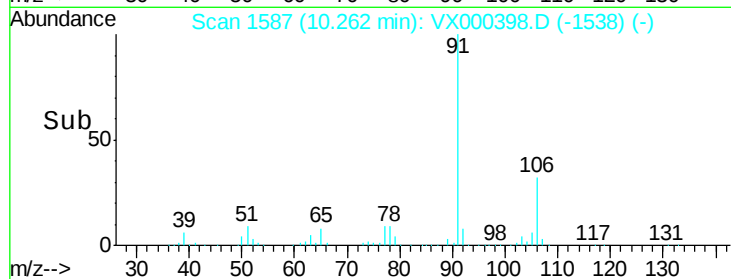
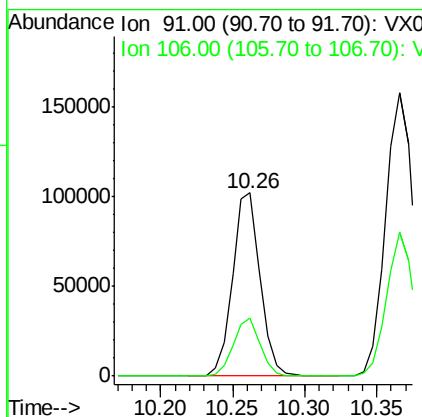
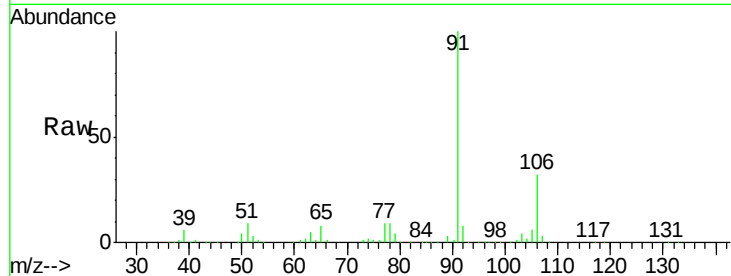
#67
Ethyl Benzene
Concen: 19.89 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampled :
VX0322WBS01

Tot Ion: 91 Resp: 136941
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6

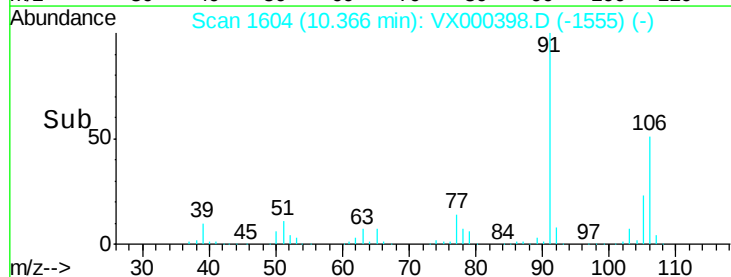
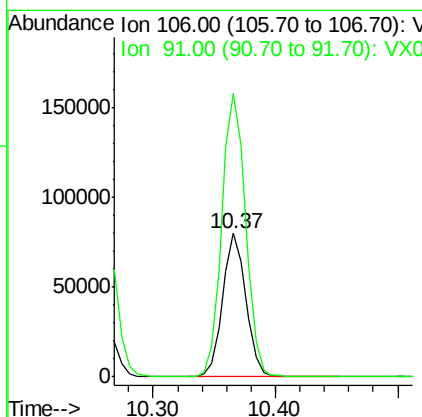
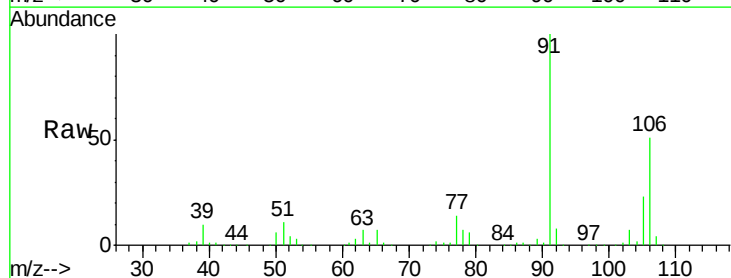
Manual Integrations
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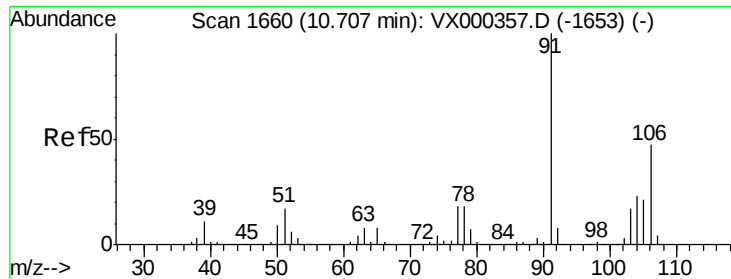
sam
3/23/2018 1:52:57 PM



#68
m/p-Xylenes
Concen: 38.85 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion: 106 Resp: 105270
Ion Ratio Lower Upper
106 100
91 203.0 163.4 245.2





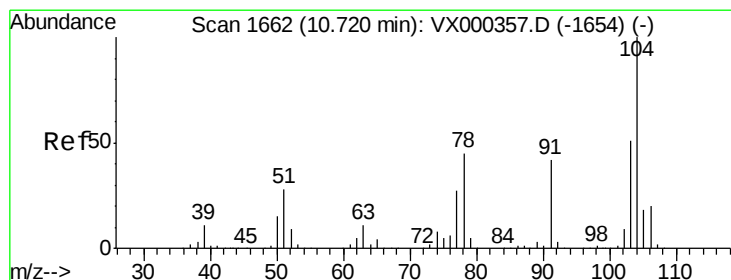
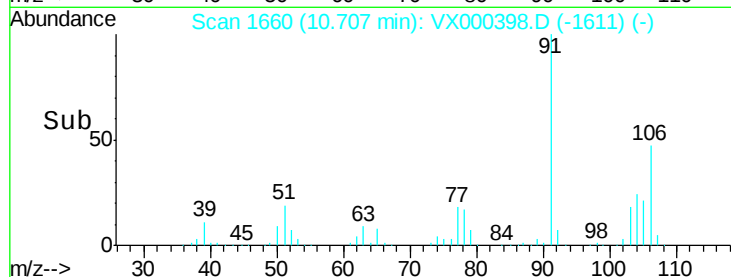
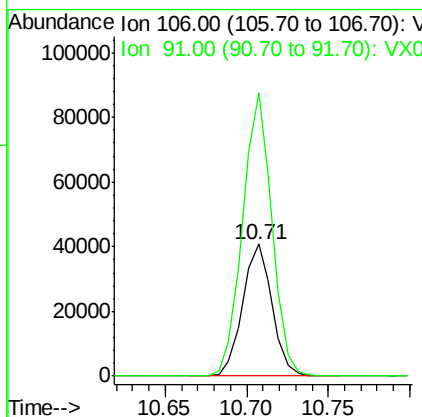
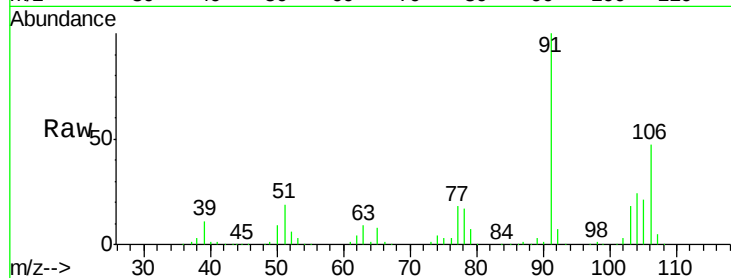
#69
o-Xylene
Concen: 19.59 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion:106 Resp: 51386
Ion Ratio Lower Upper
106 100
91 213.9 106.5 319.6

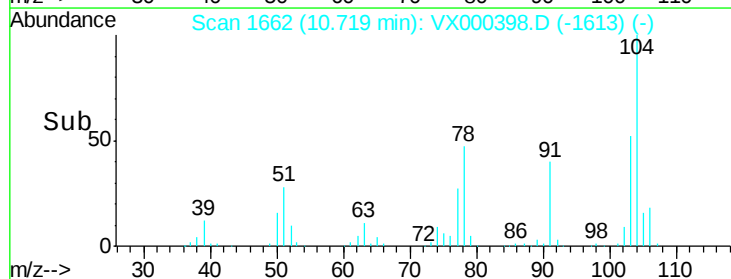
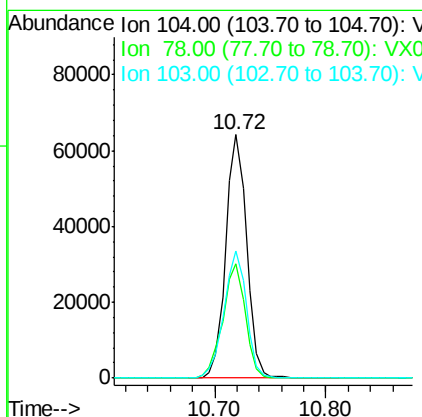
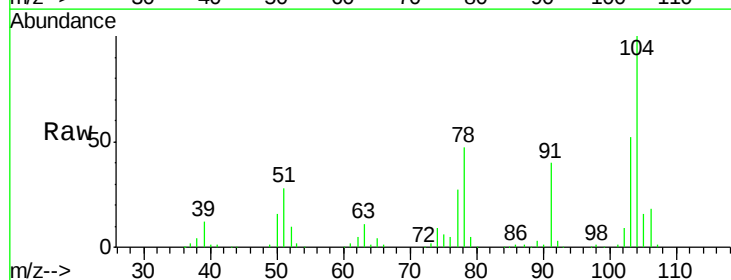
Manual Integrations
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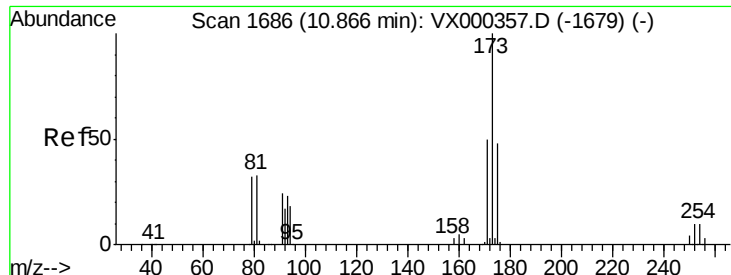
sam
3/23/2018 1:52:57 PM



#70
Styrene
Concen: 19.29 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion:104 Resp: 83734
Ion Ratio Lower Upper
104 100
78 50.6 40.5 60.7
103 56.0 45.7 68.5





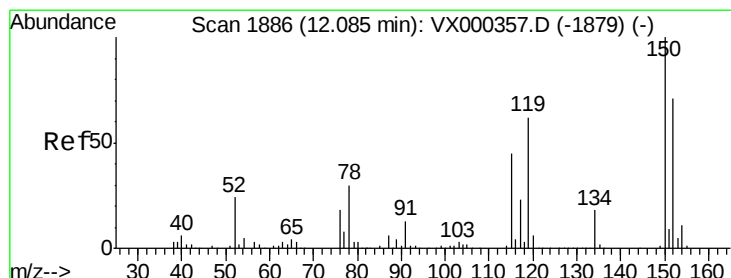
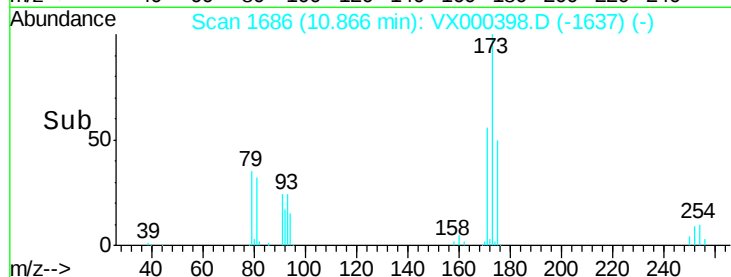
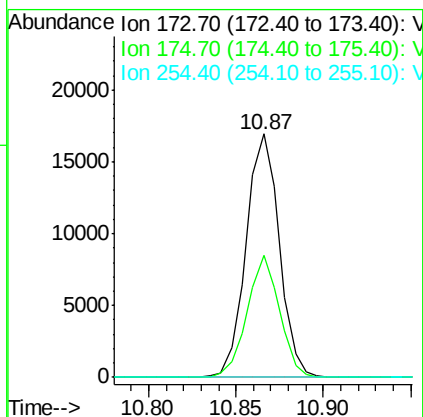
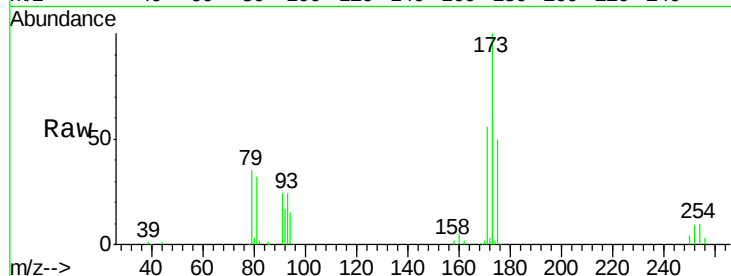
#71
Bromoform
Concen: 18.81 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	25.4	76.4
254	0.0	0.0	0.0

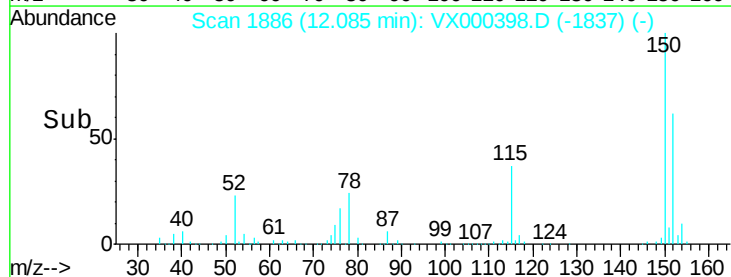
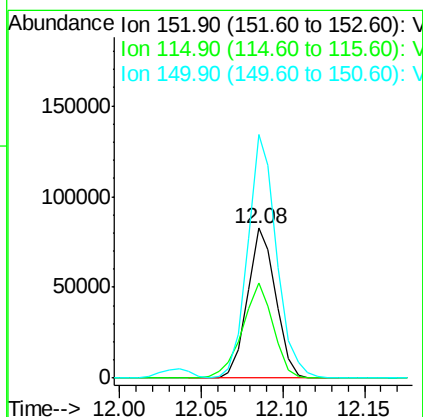
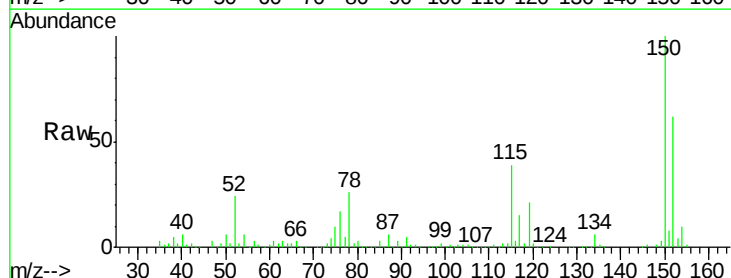
Manual Integrations
APPROVED

sam
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.0	39.8	119.3
150	166.7	0.0	344.4





#73

Isopropylbenzene

Concen: 21.16 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 105 Resp: 139600

Ion Ratio Lower Upper

105 100

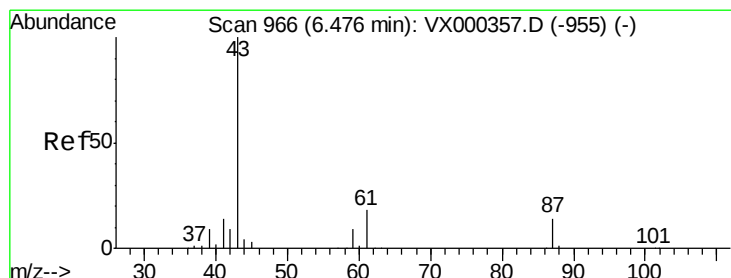
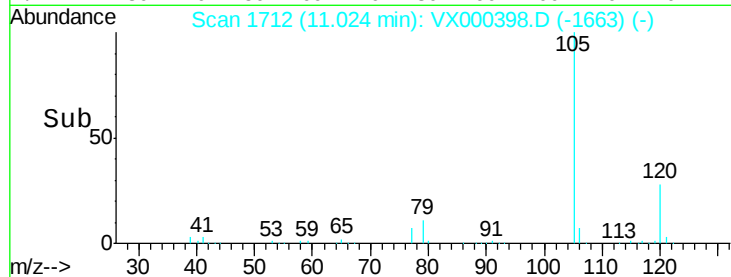
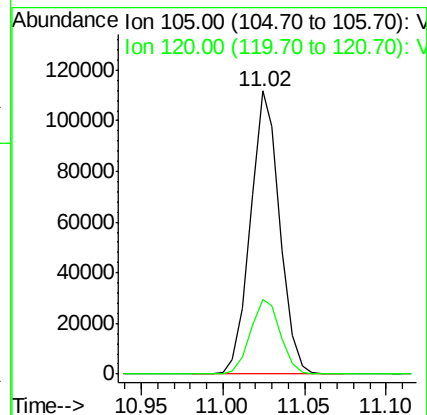
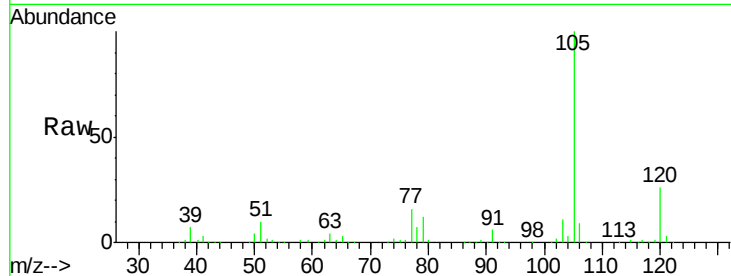
120 27.0 13.6 40.7

Manual Integrations

APPROVED

sam

3/23/2018 1:52:57 PM



#74

N-ethyl acetate

Concen: 21.10 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Tgt Ion: 43 Resp: 66129

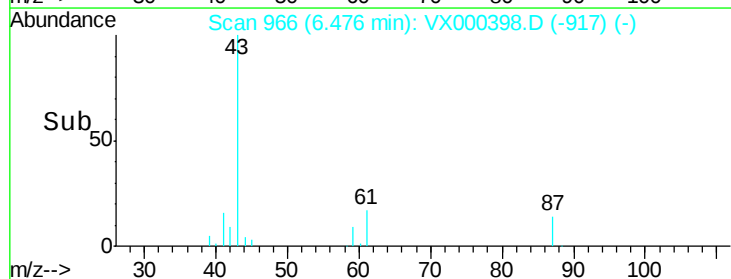
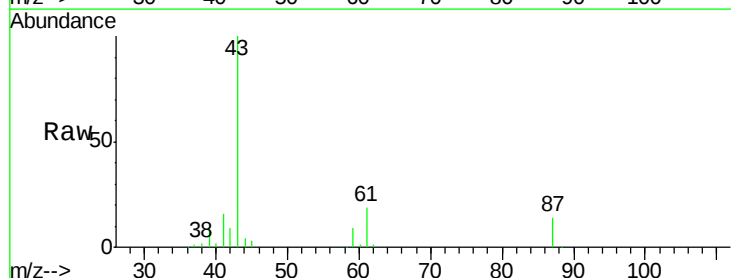
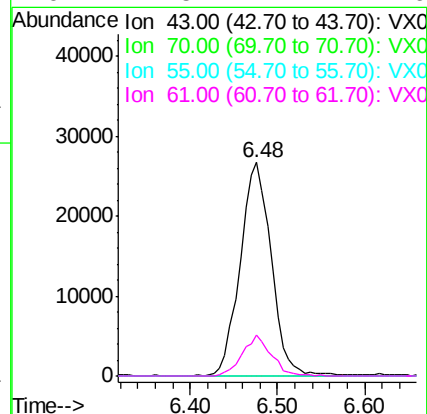
Ion Ratio Lower Upper

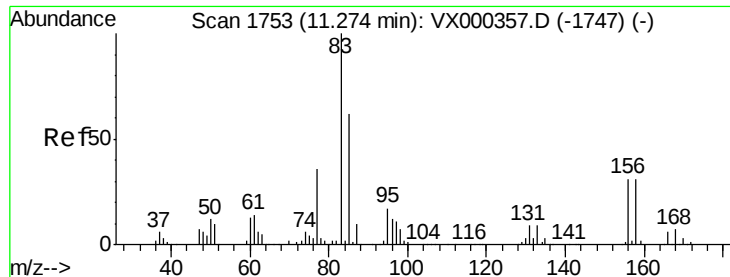
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 17.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.20 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 83 Resp: 49462

Ion Ratio Lower Upper

83 100

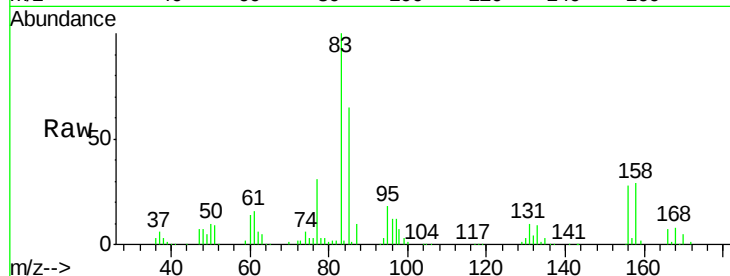
131 10.3 5.0 14.9

85 64.9 32.5 97.5

Manual Integrations
APPROVED

sam

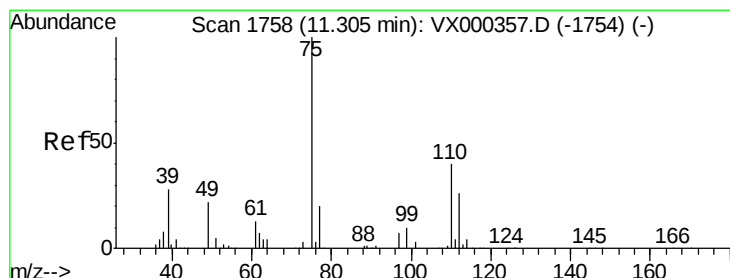
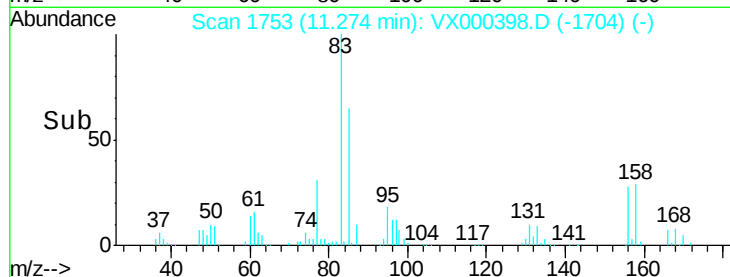
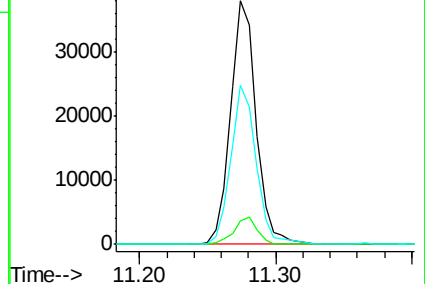
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.05 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000398.D

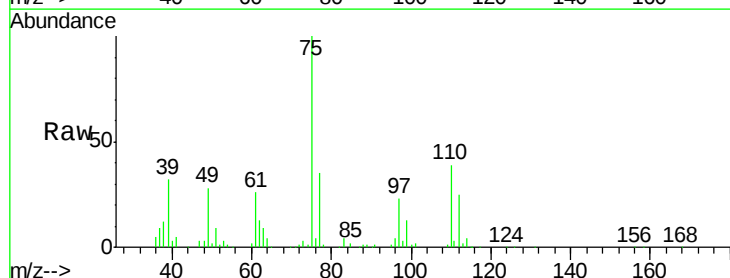
Acq: 22 Mar 2018 11:50

Tgt Ion: 75 Resp: 45040

Ion Ratio Lower Upper

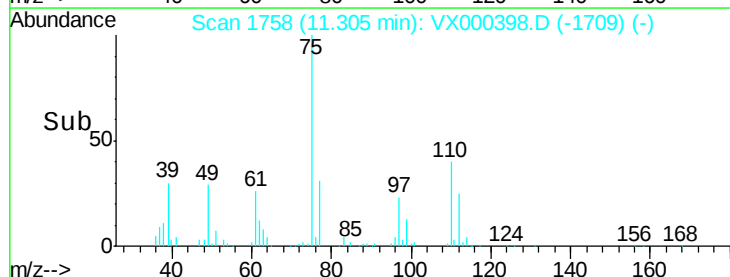
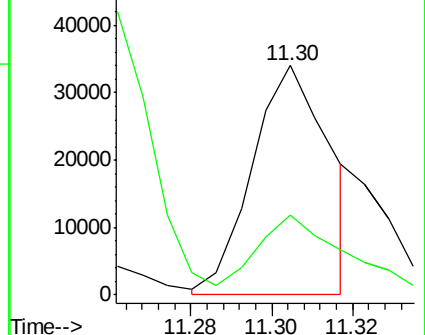
75 100

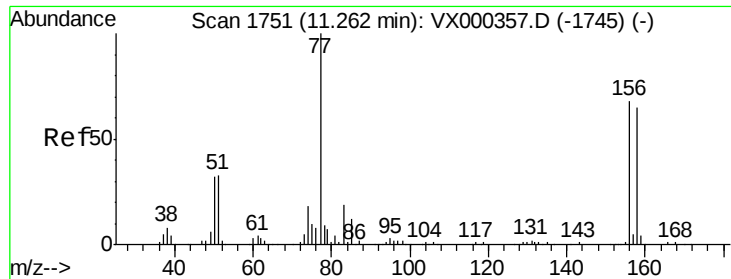
77 41.0 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.84 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

ClientSampled :

VX0322WBS01

Tot Ion:156 Resp: 34858

Ion Ratio Lower Upper

156 100

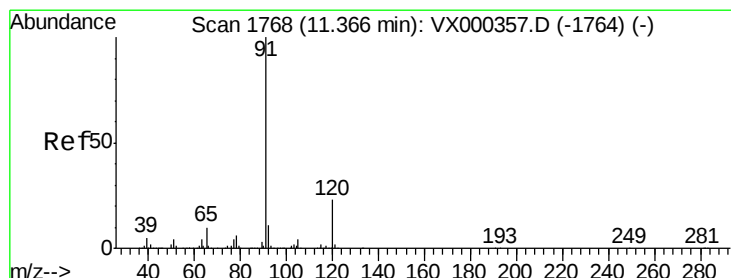
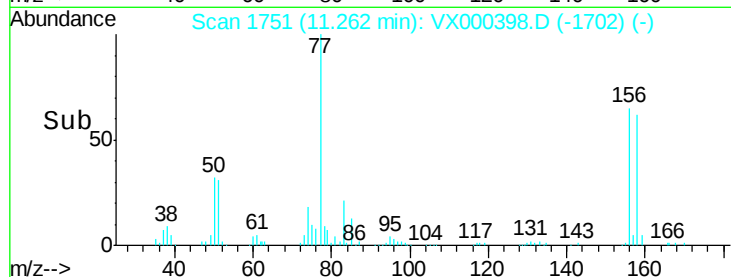
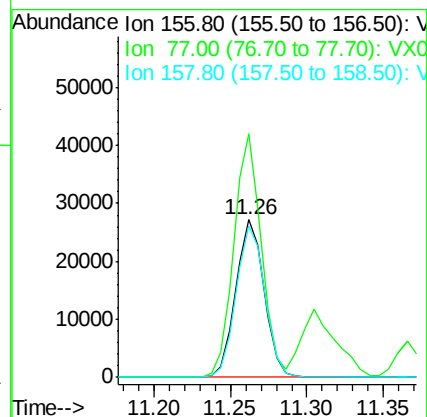
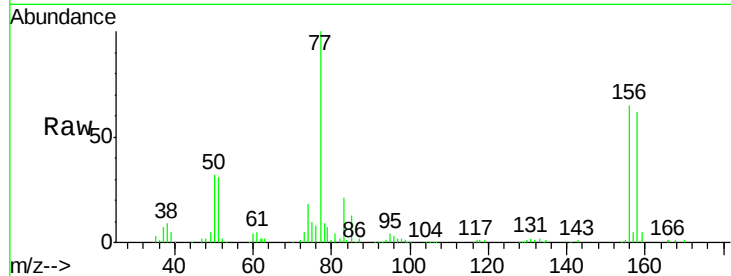
77 149.2 73.4 220.2

158 97.3 48.5 145.6

Manual Integrations
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sam

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#78

n-propylbenzene

Concen: 21.14 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000398.D

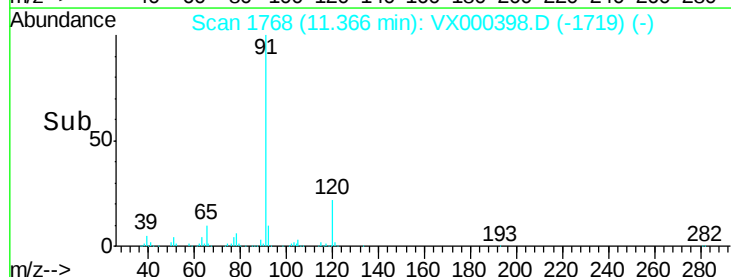
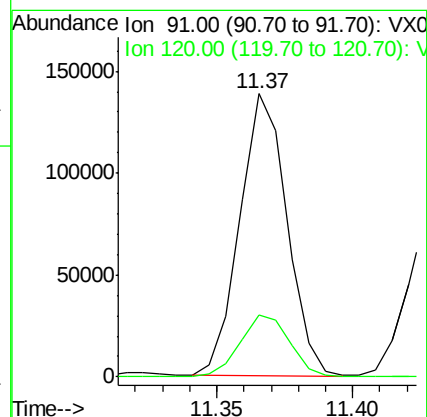
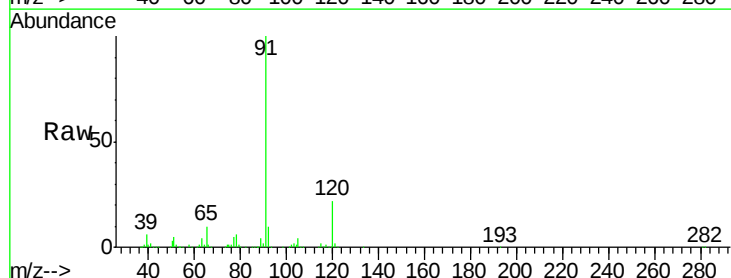
Acq: 22 Mar 2018 11:50

Tgt Ion: 91 Resp: 166313

Ion Ratio Lower Upper

91 100

120 23.0 11.8 35.3





#79

2-Chlorotoluene

Concen: 20.36 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 91 Resp: 92507

Ion Ratio Lower Upper

91 100

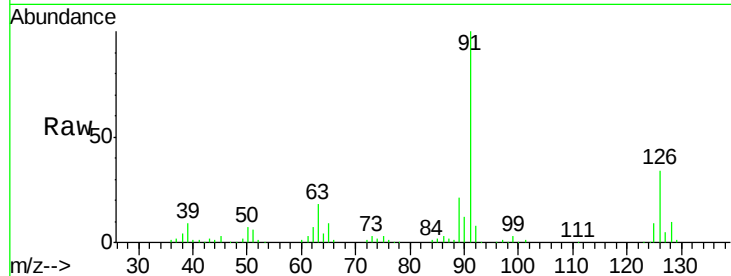
126 35.2 17.7 53.1

Manual Integrations

APPROVED

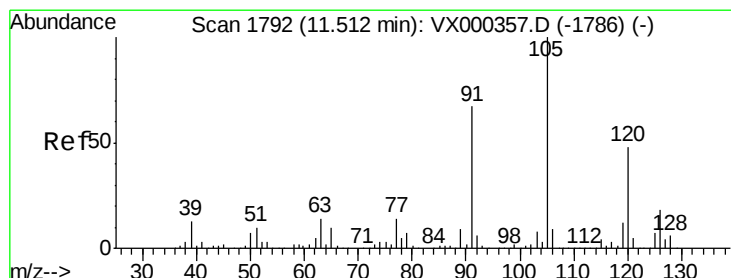
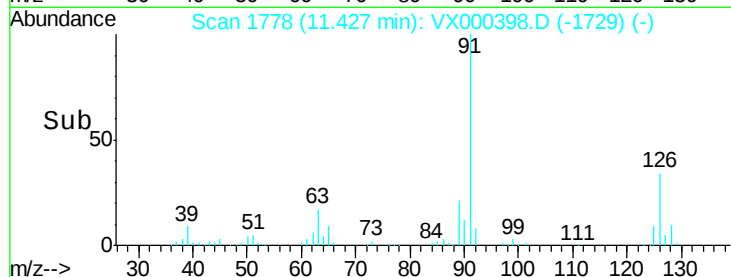
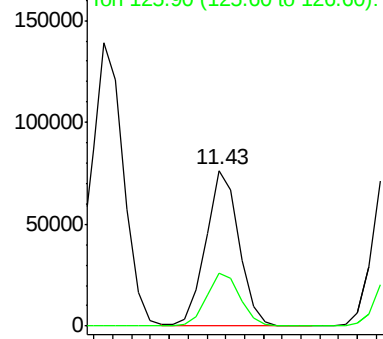
sam

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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: 20.99 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000398.D

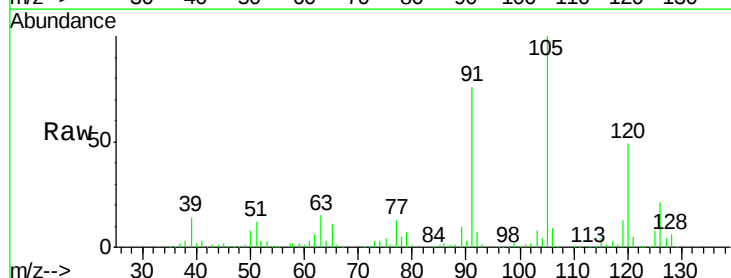
Acq: 22 Mar 2018 11:50

Tgt Ion: 105 Resp: 116441

Ion Ratio Lower Upper

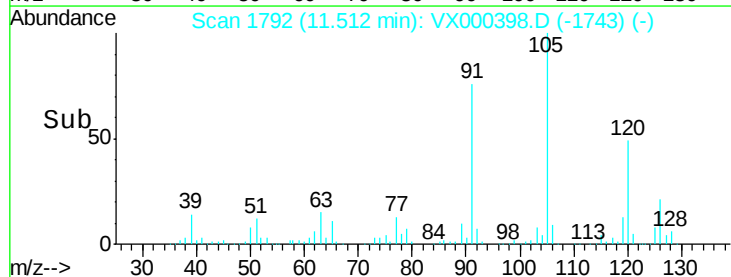
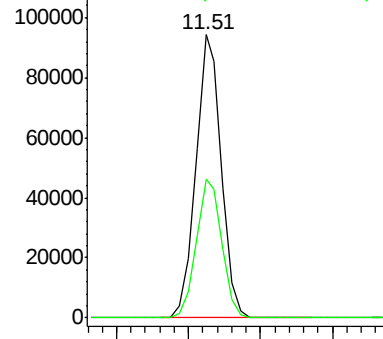
105 100

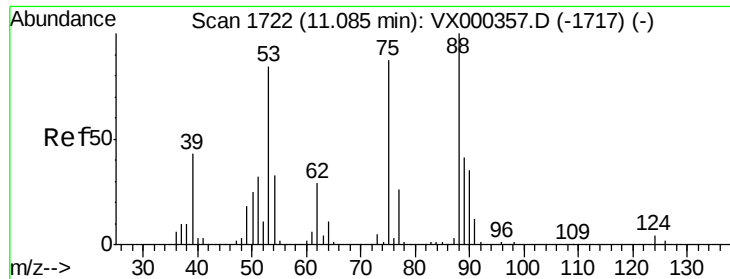
120 49.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





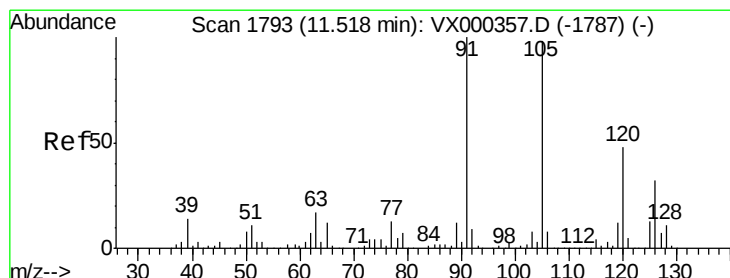
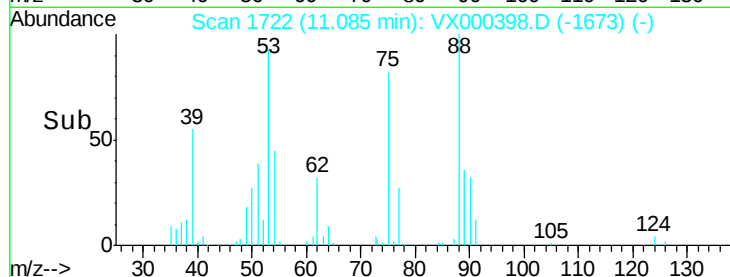
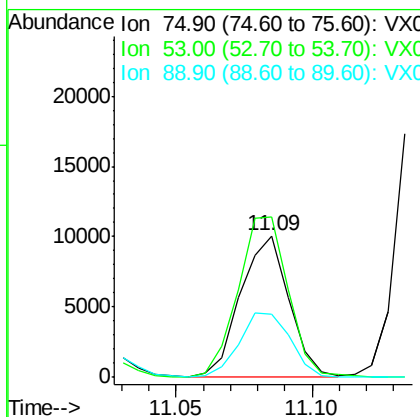
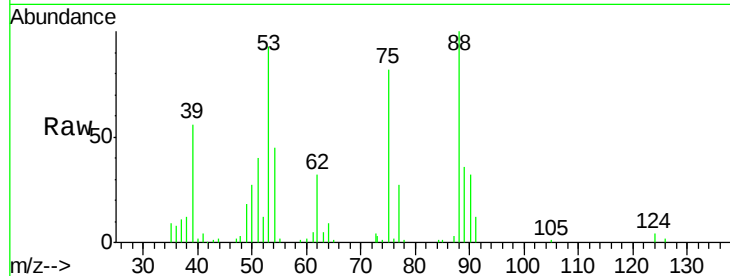
#81
trans-1,4-Dichloro-2-butene
Concen: 18.74 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.2	80.7	121.1
89	48.1	39.4	59.0

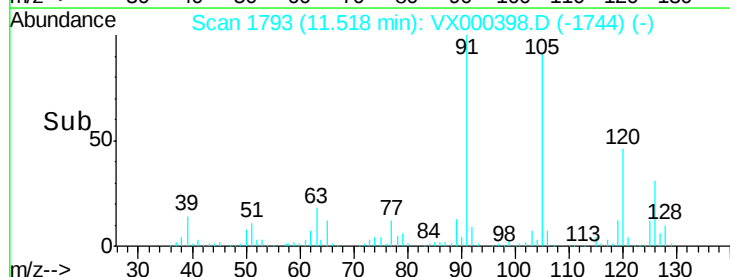
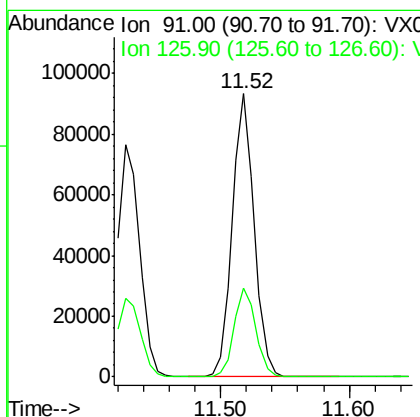
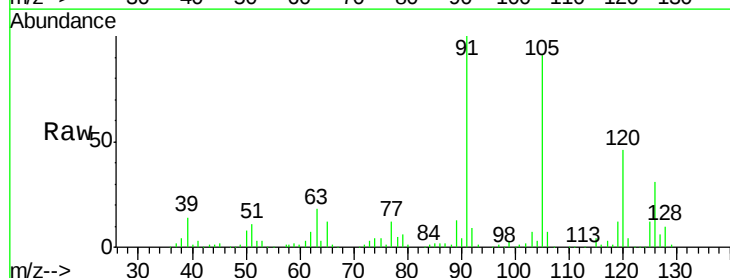
Manual Integrations
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#82
4-Chlorotoluene
Concen: 20.52 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.4	46.1





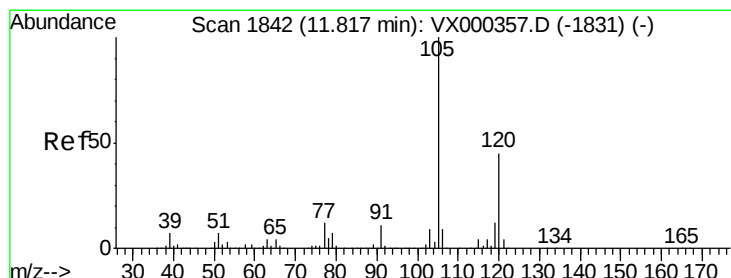
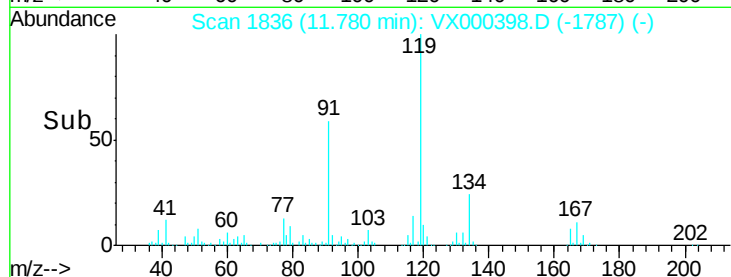
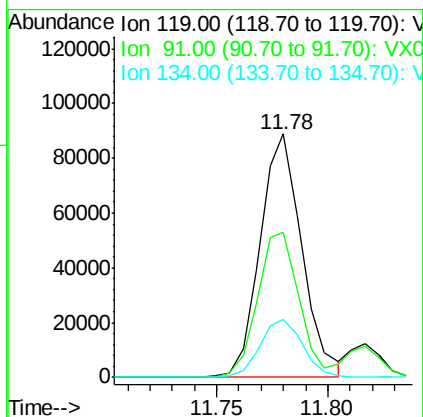
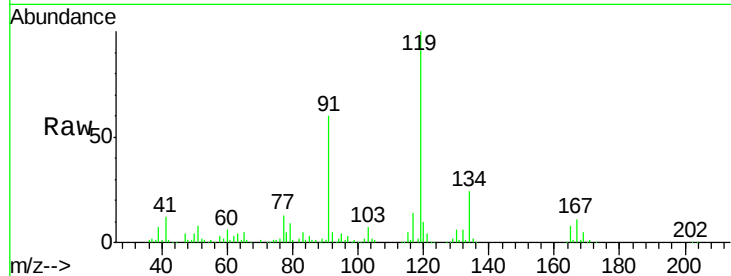
#83
tert-Butylbenzene
Concen: 20.74 ug/l
RT: 11.78 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	116031		
91	59.0	28.8	86.4	
134	23.9	11.4	34.1	

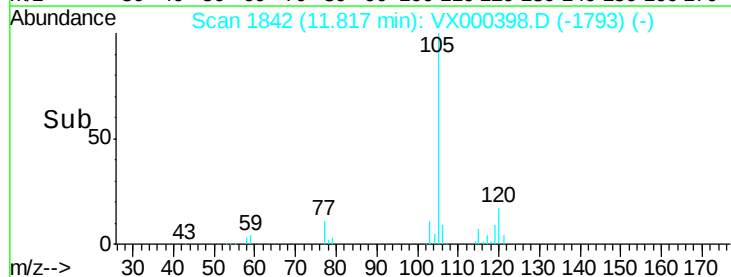
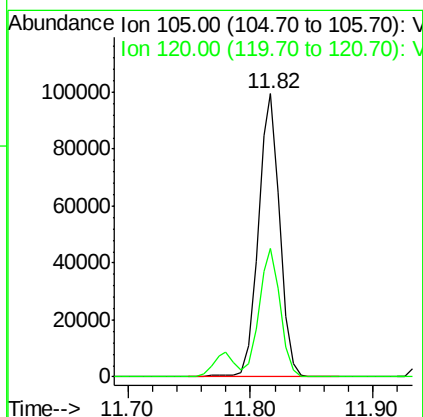
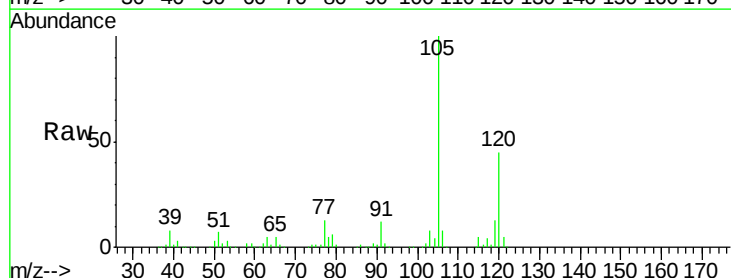
Manual Integrations
APPROVED

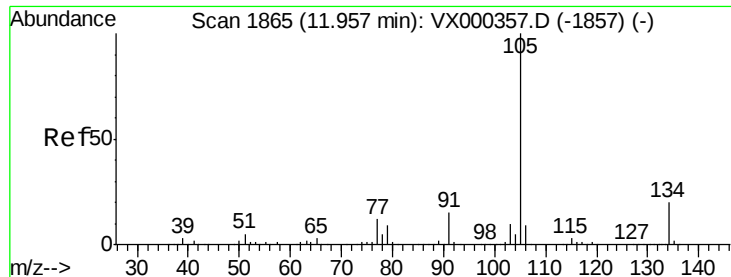
sam
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#84
1,2,4-Trimethylbenzene
Concen: 20.86 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	121322		
120	44.6	22.4	67.3	





#85

sec-Butylbenzene

Concen: 20.91 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

ClientSampled :

VX0322WBS01

Tot Ion:105 Resp: 144758

Ion Ratio Lower Upper

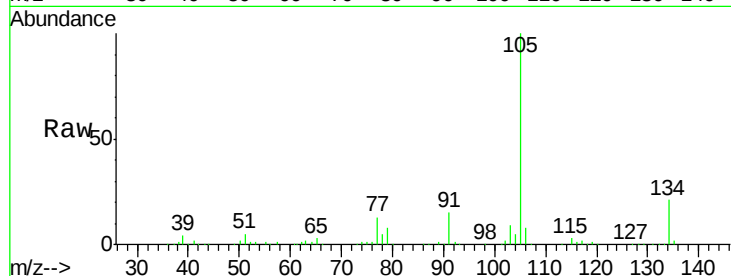
105 100

134 20.3 10.3 30.8

Manual Integrations
APPROVED

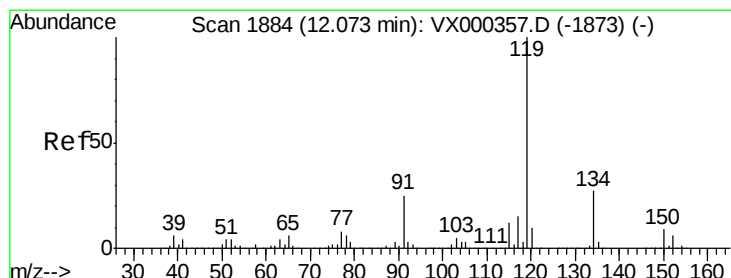
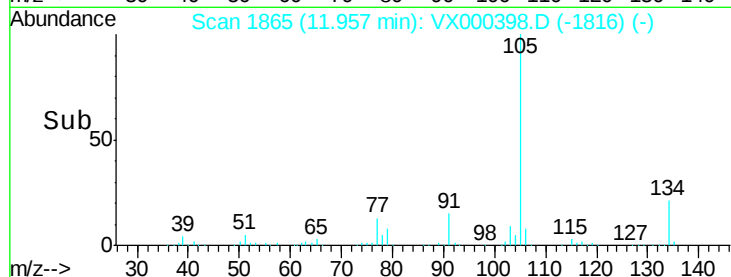
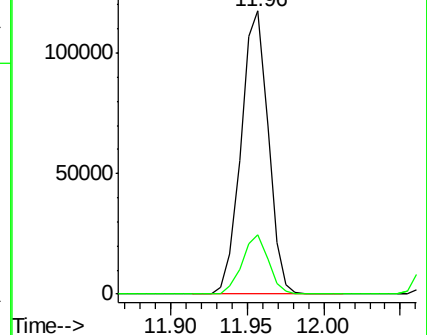
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.86 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

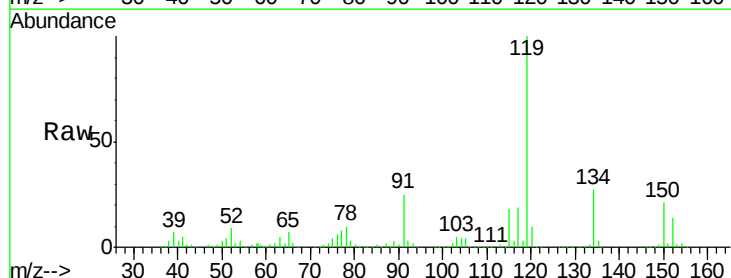
Tgt Ion:119 Resp: 128232

Ion Ratio Lower Upper

119 100

134 27.6 13.3 39.9

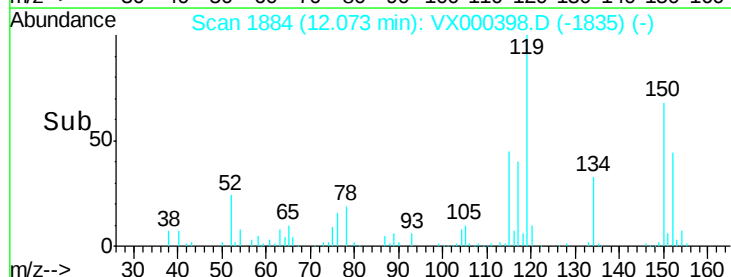
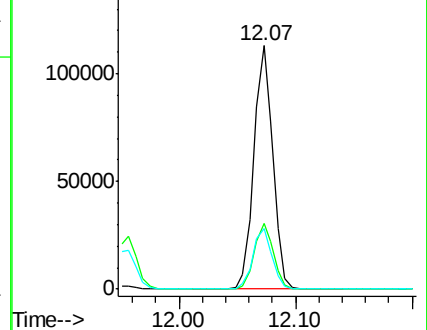
91 25.2 12.0 36.1

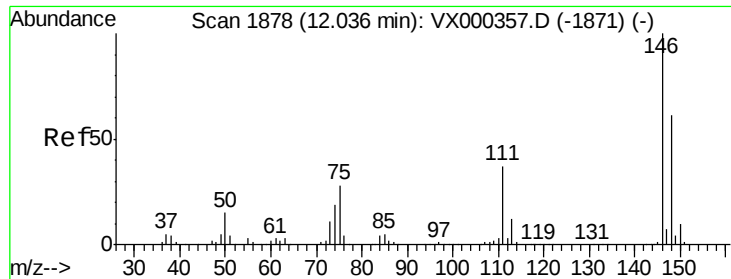


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





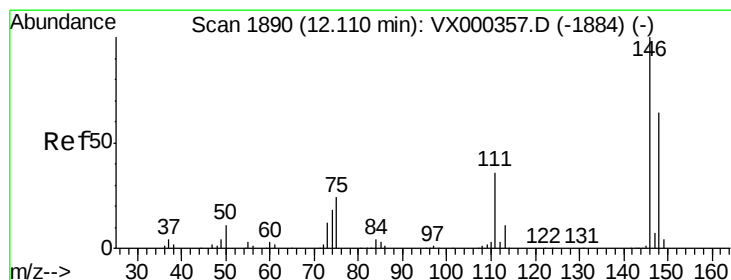
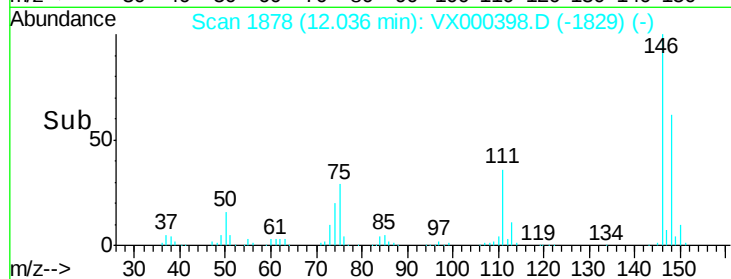
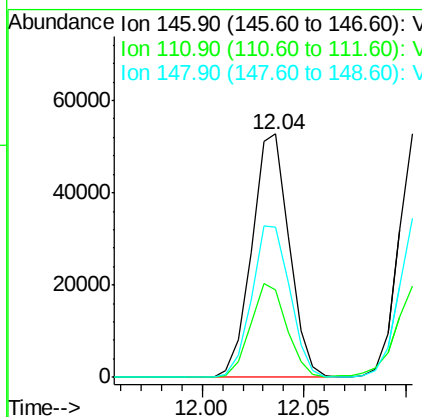
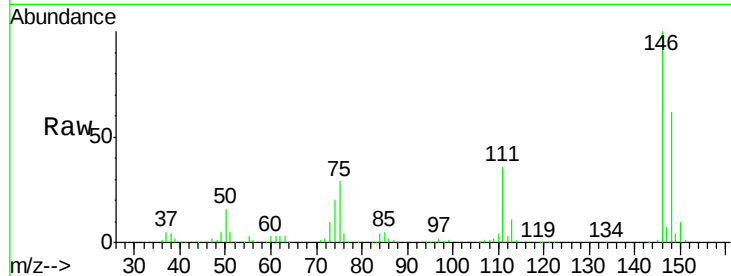
#87
 1,3-Dichlorobenzene
 Concen: 20.27 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.5	58.5
148	63.8	32.4	97.0

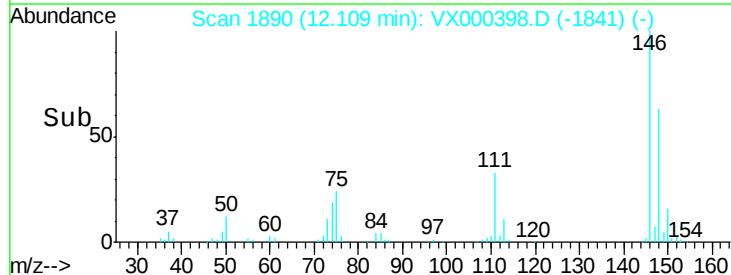
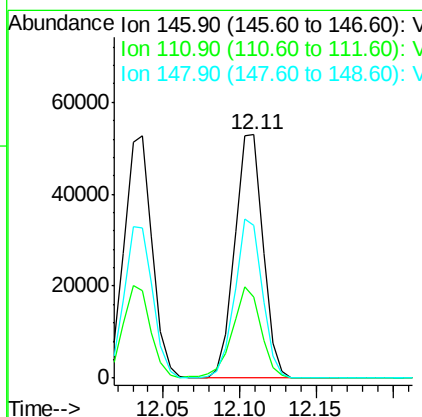
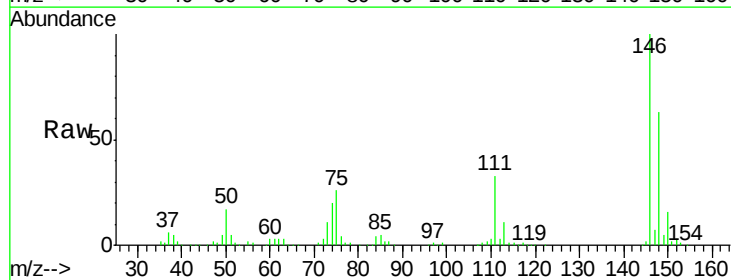
Manual Integrations
 APPROVED

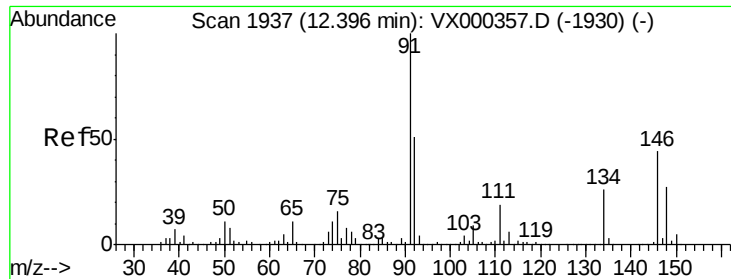
sam
 3/23/2018 1:52:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.49 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.9
148	63.9	31.0	93.0





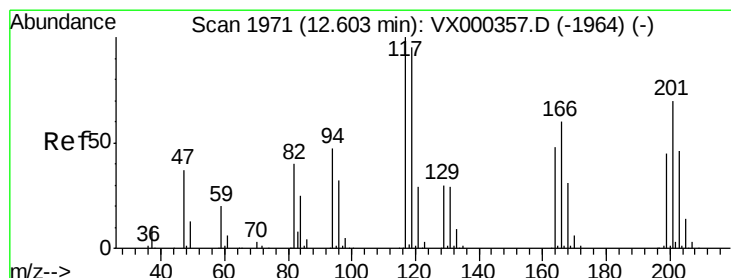
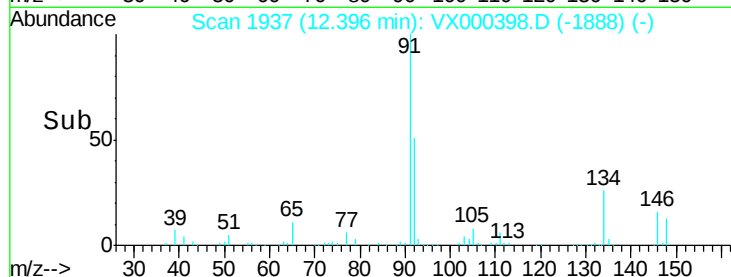
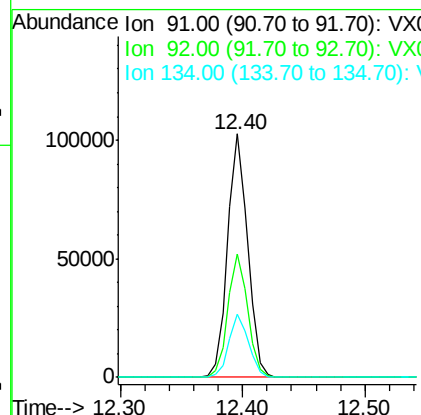
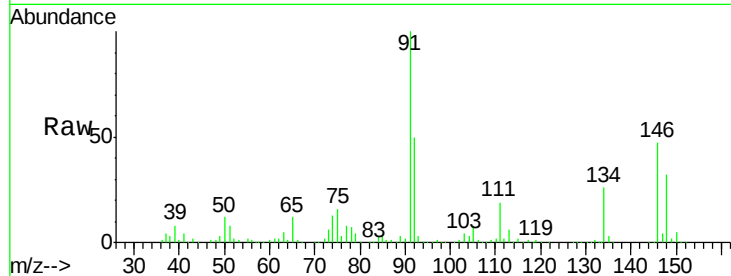
#89
n-Butylbenzene
Concen: 20.38 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.1	25.9	77.8
134	25.5	13.1	39.3

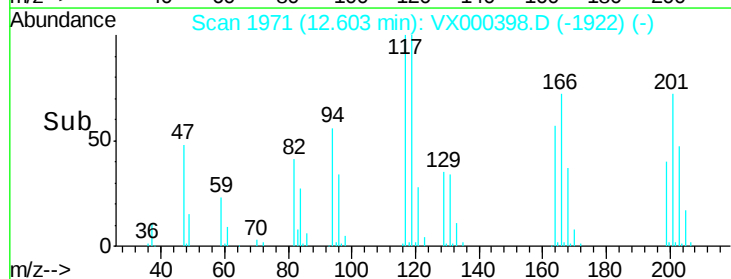
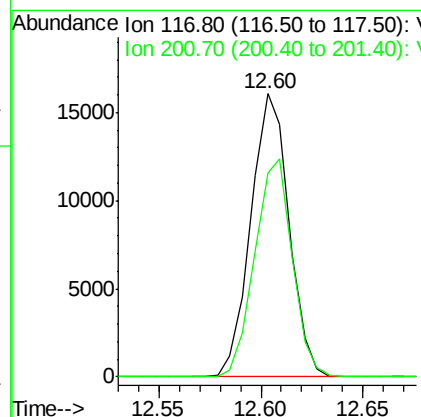
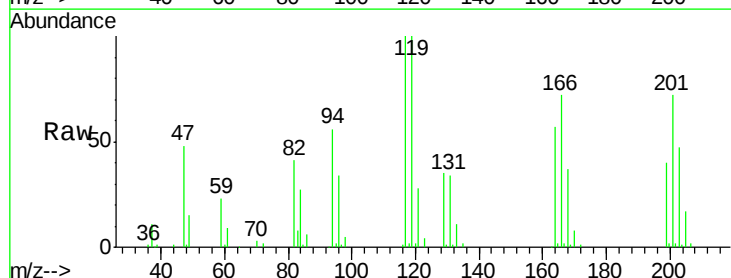
Manual Integrations
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#90
Hexachloroethane
Concen: 21.66 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.6	37.9	113.6





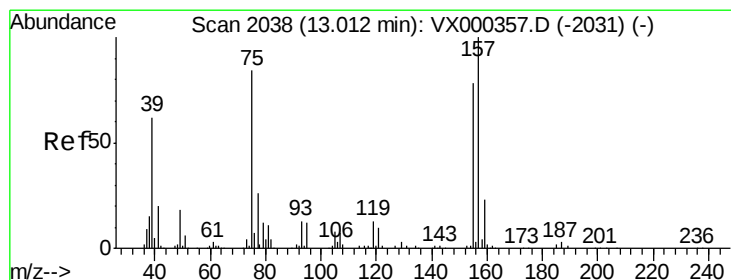
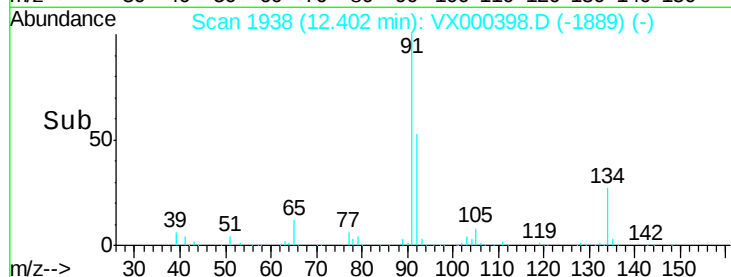
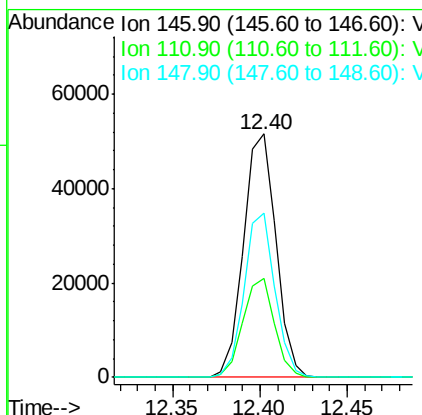
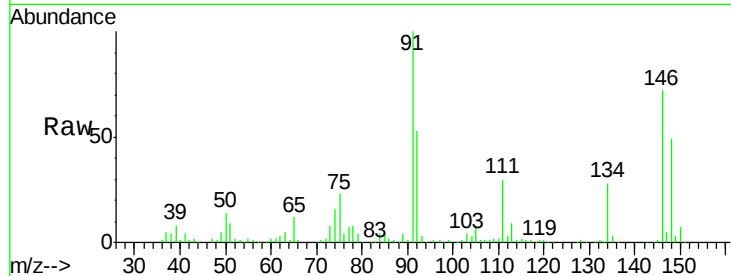
#91
 1,2-Dichlorobenzene
 Concen: 20.43 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.1	60.2
148	63.8	31.2	93.6

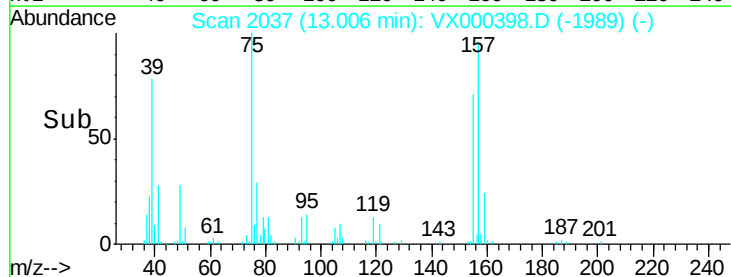
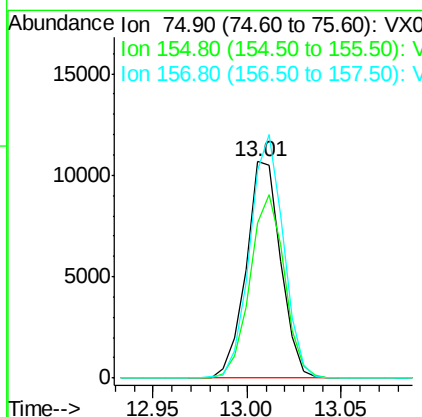
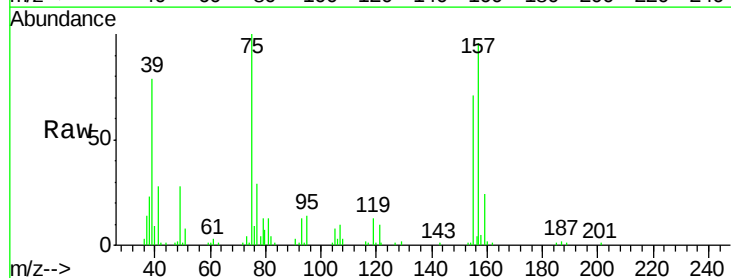
Manual Integrations
 APPROVED

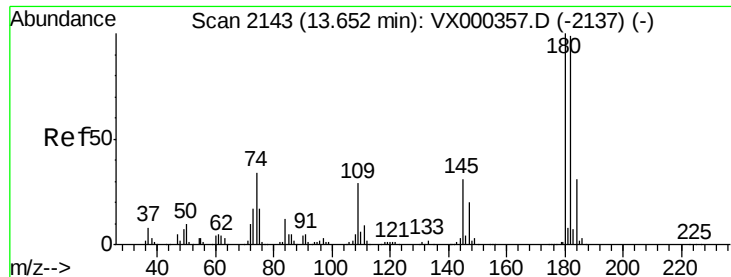
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.89 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000398.D
 Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.9	45.0	134.8
157	108.3	58.1	174.2





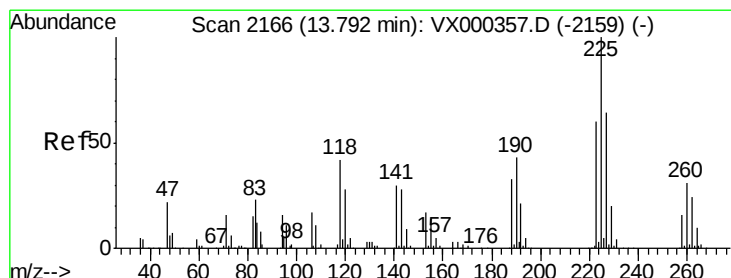
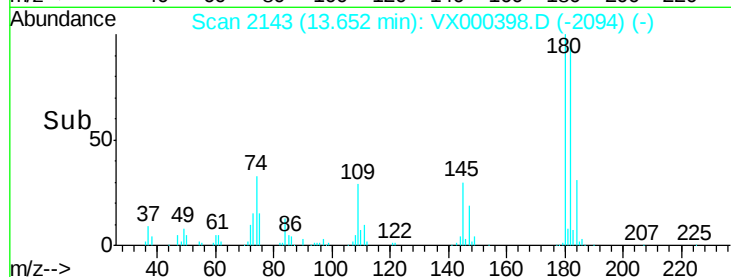
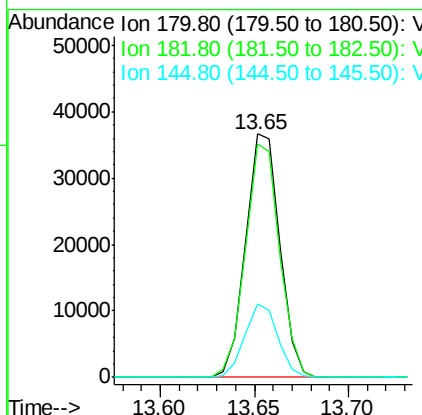
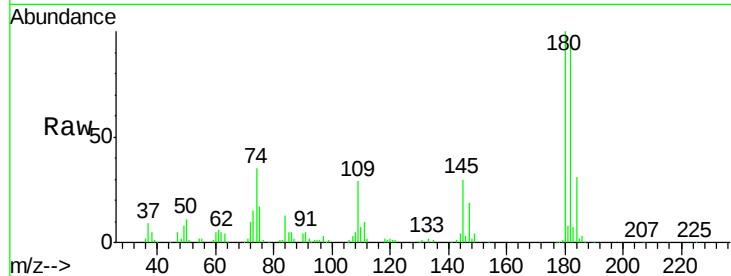
#93
1,2,4-Trichlorobenzene
Concen: 19.73 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.9
145	29.1	15.1	45.3

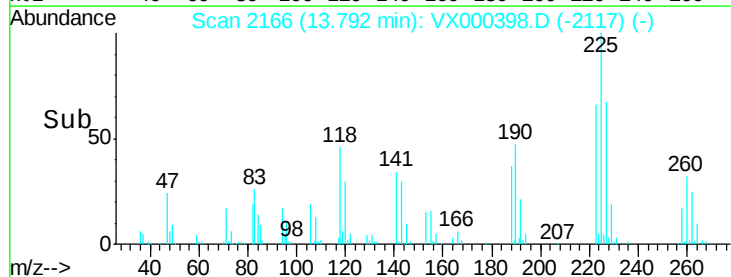
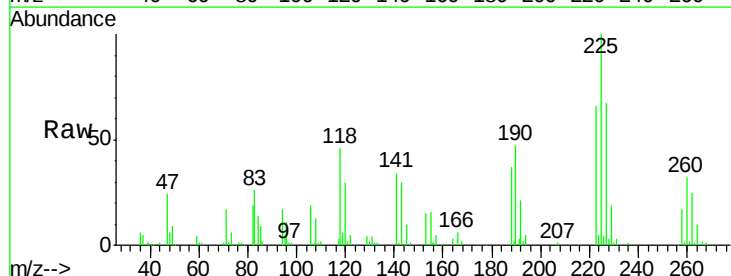
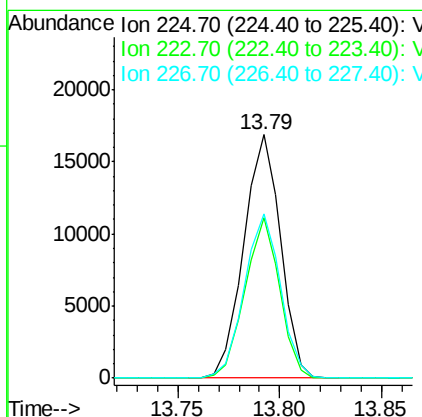
Manual Integrations
APPROVED

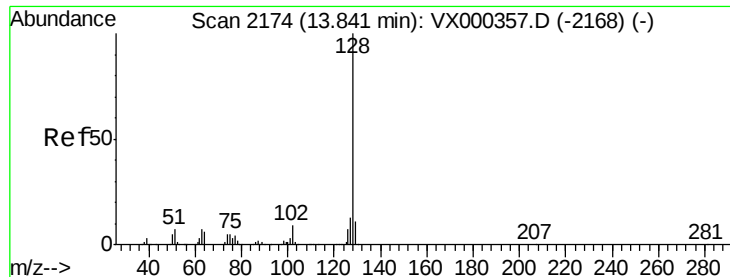
sam
3/23/2018 1:52:57 PM



#94
Hexachlorobutadiene
Concen: 21.90 ug/l
RT: 13.79 min Scan# 2166
Delta R.T. -0.00 min
Lab File: VX000398.D
Acq: 22 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.0	96.0
227	66.3	32.6	98.0





#95

Naphthalene

Concen: 20.54 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Instrument :

MSVOA_X

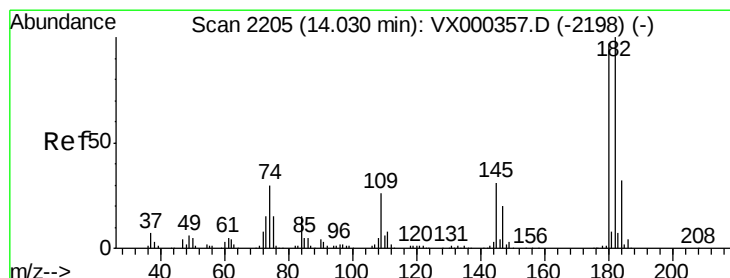
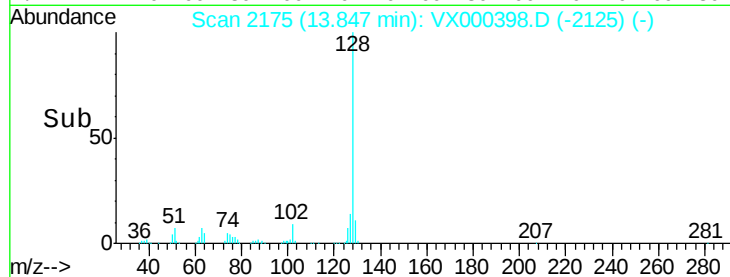
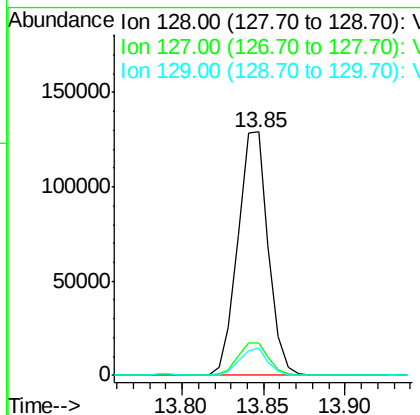
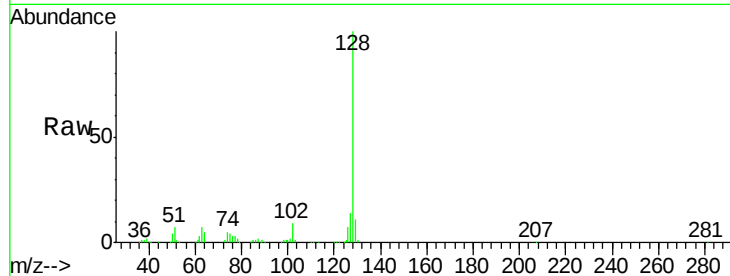
ClientSampleId :

VX0322WBS01

Tot Ion:	128	Resp:	167059
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	15.8
129	10.5	8.9	13.3

Manual Integrations
APPROVED

sam
3/23/2018 1:52:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.61 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000398.D

Acq: 22 Mar 2018 11:50

Tgt Ion:	180	Resp:	47559
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.4	142.3
145	29.6	15.8	47.3

