

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000509.D
 Acq On : 29 Mar 2018 13:50
 Operator : JC/MD
 Sample : VX0329WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Manual Integrations
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 3/30/2018 4:10:21 PM

Quant Time: Mar 29 15:09:27 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	125796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	202703	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	220635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	124919	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	82604	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	5.51	113	65686	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	8.73	98	272507	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	11.15	95	106771	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	27781	20.04	ug/l	94
3) Chloromethane	1.32	50	26359	18.05	ug/l	99
4) Vinyl Chloride	1.40	62	31422	20.36	ug/l	95
5) Bromomethane	1.64	94	29575	16.04	ug/l	99
6) Chloroethane	1.73	64	20457	23.33	ug/l	96
7) Trichlorofluoromethane	1.93	101	56245	20.19	ug/l	100
8) Diethyl Ether	2.19	74	21174	21.27	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	31913	20.55	ug/l	96
10) Methyl Iodide	2.51	142	18200	15.09	ug/l	98
11) Tert butyl alcohol	3.07	59	61400	108.70	ug/l	99
12) 1,1-Dichloroethene	2.37	96	27001	19.80	ug/l	98
13) Acrolein	2.30	56	13826	86.77	ug/l	98
14) Allyl chloride	2.73	41	52604	21.79	ug/l	98
15) Acrylonitrile	3.15	53	122314	106.92	ug/l	98
16) Acetone	2.45	43	148679	108.84	ug/l	97
17) Carbon Disulfide	2.57	76	68509	18.90	ug/l	99
18) Methyl Acetate	2.78	43	65637	22.92	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	109956	21.80	ug/l	98
20) Methylene Chloride	2.86	84	34070	21.59	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	30647	20.15	ug/l	96
22) Diisopropyl ether	3.88	45	93243	21.88	ug/l	94
23) Vinyl Acetate	3.83	43	474230	117.36	ug/l	97
24) 1,1-Dichloroethane	3.70	63	58906	21.98	ug/l	98
25) 2-Butanone	4.71	43	152180	99.11	ug/l	99
26) 2,2-Dichloropropane	4.59	77	36092	19.22	ug/l	96
27) cis-1,2-Dichloroethene	4.61	96	27586	19.41	ug/l	99
28) Bromochloromethane	5.03	49	20936	18.95	ug/l	98
29) Tetrahydrofuran	5.18	42	95525	101.12	ug/l	99
30) Chloroform	5.23	83	51943	20.68	ug/l	95
31) Cyclohexane	5.58	56	40067	19.34	ug/l	93
32) 1,1,1-Trichloroethane	5.51	97	44873	19.80	ug/l	96
36) 1,1-Dichloropropene	5.81	75	37254	19.62	ug/l	98
37) Ethyl Acetate	4.87	43	52290	20.16	ug/l	99
38) Carbon Tetrachloride	5.79	117	38892	19.52	ug/l	95

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0329WBS01

Manual Integrations
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Quant Time: Mar 29 15:09:27 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)
39) Methylcyclohexane	7.47	83	48562	21.03	ug/l	97
40) Benzene	6.15	78	113679	20.62	ug/l	98
41) Methacrylonitrile	5.08	41	27641	20.21	ug/l	99
42) 1,2-Dichloroethane	6.21	62	46161	21.34	ug/l	97
43) Isopropyl Acetate	6.48	43	79818	20.67	ug/l	99
44) Trichloroethene	7.22	130	32686	20.69	ug/l	95
45) 1,2-Dichloropropane	7.52	63	31917	22.61	ug/l	91
46) Dibromomethane	7.67	93	23644	21.34	ug/l	96
47) Bromodichloromethane	7.90	83	42698	21.91	ug/l	97
48) Methyl methacrylate	7.79	41	41400	22.09	ug/l	97
49) 1,4-Dioxane	7.77	88	16532	419.61	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	331040	110.78	ug/l	98
52) Toluene	8.79	92	80463	20.87	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	50314	22.28	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	48274	22.03	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	35855	22.62	ug/l	96
56) Ethyl methacrylate	9.19	69	50393	20.98	ug/l	98
57) 1,3-Dichloropropane	9.38	76	58979	23.26	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.32	63	111437	96.66	ug/l	99
59) 2-Hexanone	9.51	43	276250	108.87	ug/l	98
60) Dibromochloromethane	9.59	129	36109	21.78	ug/l	99
61) 1,2-Dibromoethane	9.68	107	37915	22.30	ug/l	100
64) Tetrachloroethene	9.34	164	35189	20.55	ug/l	95
65) Chlorobenzene	10.15	112	96104	19.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	34338	20.59	ug/l	99
67) Ethyl Benzene	10.26	91	167160	20.08	ug/l	99
68) m/p-Xylenes	10.37	106	130470	39.83	ug/l	99
69) o-Xylene	10.71	106	63861	20.14	ug/l	99
70) Styrene	10.72	104	103987	19.82	ug/l	99
71) Bromoform	10.87	173	28092	19.39	ug/l #	96
73) Isopropylbenzene	11.02	105	172743	20.87	ug/l	98
74) N-amyl acetate	6.48	43	79818	20.16	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	64080	21.89	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	57705m	21.49	ug/l	
77) Bromobenzene	11.26	156	43063	19.53	ug/l	100
78) n-propylbenzene	11.37	91	204893	20.76	ug/l	100
79) 2-Chlorotoluene	11.43	91	114833	20.14	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	143021	20.55	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	15600	18.81	ug/l	88
82) 4-Chlorotoluene	11.52	91	140773	20.68	ug/l	100
83) tert-Butylbenzene	11.78	119	139454	19.87	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	148790	20.39	ug/l	97
85) sec-Butylbenzene	11.96	105	179426	20.66	ug/l	99
86) p-Isopropyltoluene	12.07	119	158059	20.49	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	82903	19.89	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	84967	19.41	ug/l	95
89) n-Butylbenzene	12.40	91	153249	21.34	ug/l	99
90) Hexachloroethane	12.60	117	25043	20.63	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	84052	20.56	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16518	20.23	ug/l	94

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

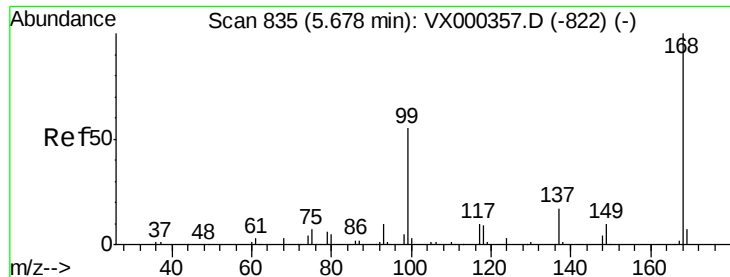
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Quant Time: Mar 29 15:09:27 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	62560	21.35	ug/l	99
94) Hexachlorobutadiene	13.79	225	27879	22.98	ug/l	96
95) Naphthalene	13.84	128	213870	20.95	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	63498	21.93	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion:168 Resp: 125796

Ion Ratio Lower Upper

168 100

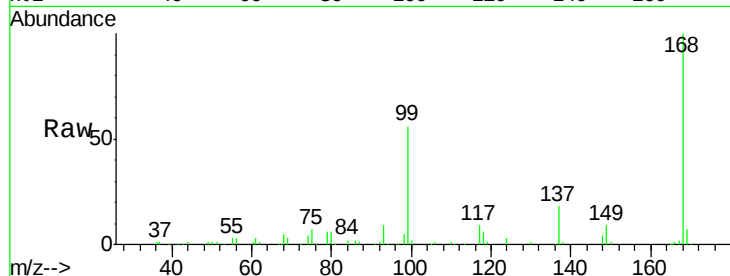
99 55.4 45.8 68.6

Manual Integrations

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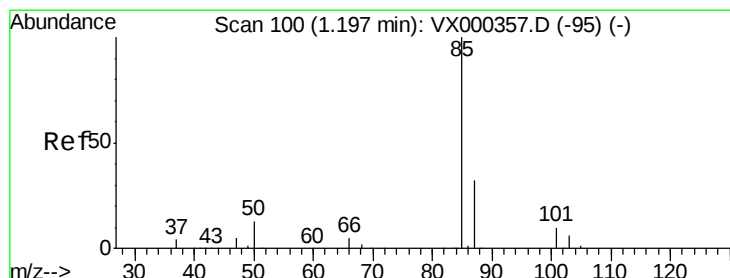
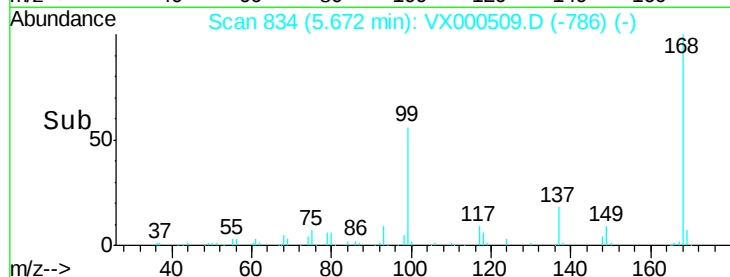
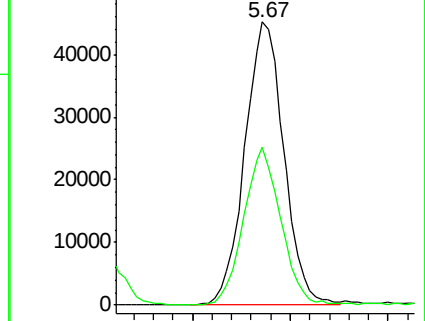
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.04 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000509.D

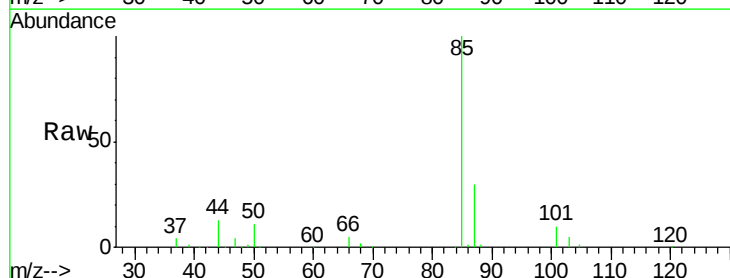
Acq: 29 Mar 2018 13:50

Tgt Ion: 85 Resp: 27781

Ion Ratio Lower Upper

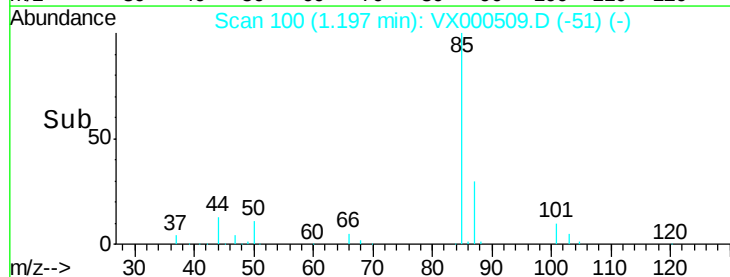
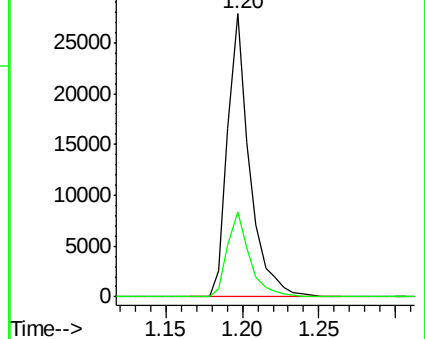
85 100

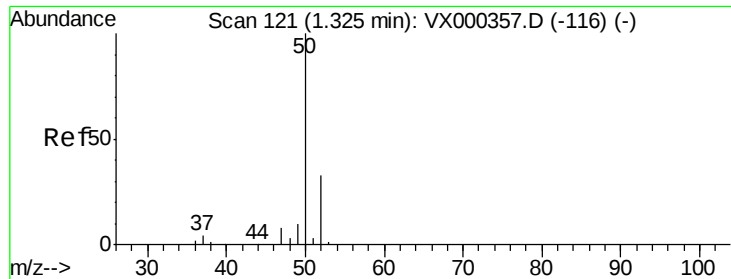
87 30.0 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.05 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion: 50 Resp: 26359

Ion Ratio Lower Upper

50 100

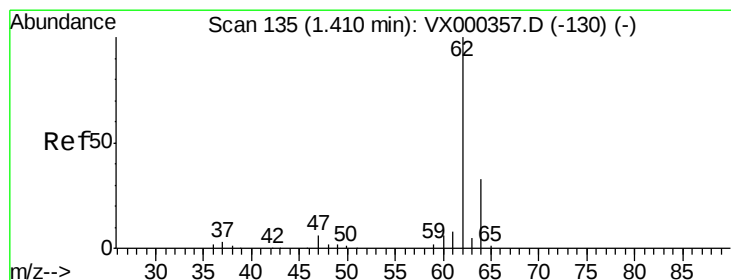
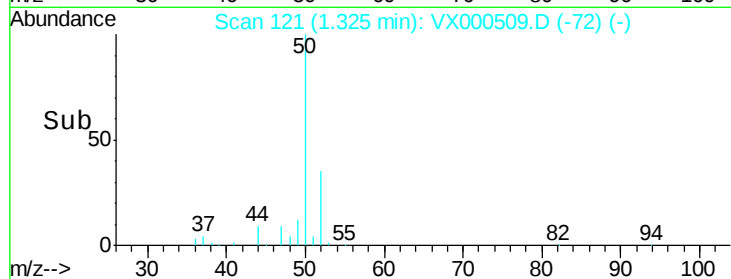
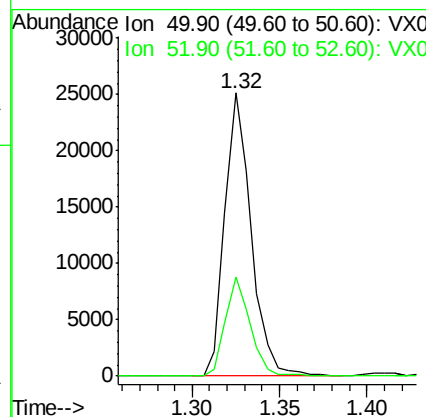
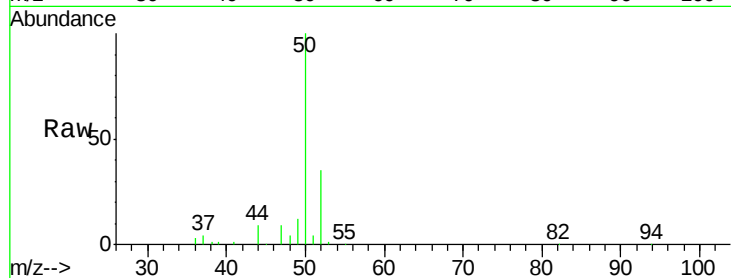
52 34.9 27.5 41.3

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#4

Vinyl Chloride

Concen: 20.36 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000509.D

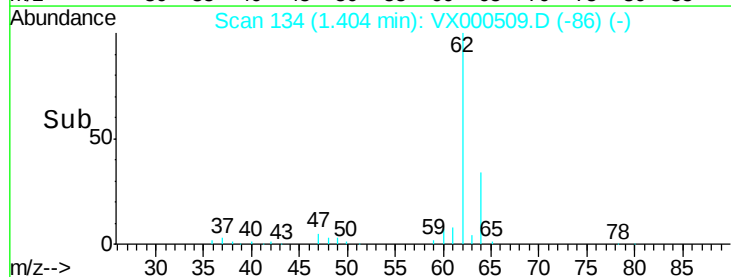
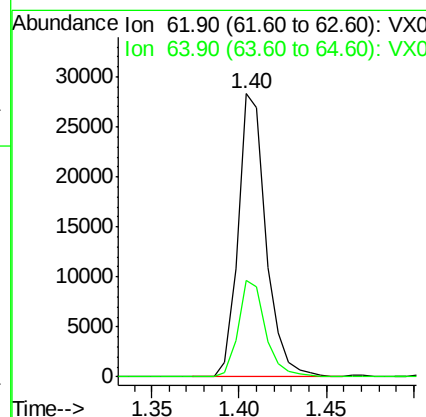
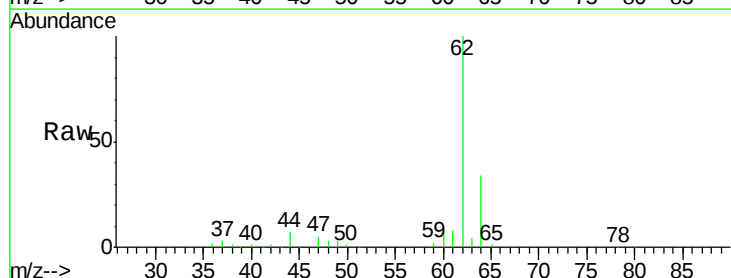
Acq: 29 Mar 2018 13:50

Tgt Ion: 62 Resp: 31422

Ion Ratio Lower Upper

62 100

64 33.9 24.8 37.2





#5

Bromomethane

Concen: 16.04 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

ClientSampled :

VX0329WBS01

Tot Ion: 94 Resp: 29575

Ion Ratio Lower Upper

94 100

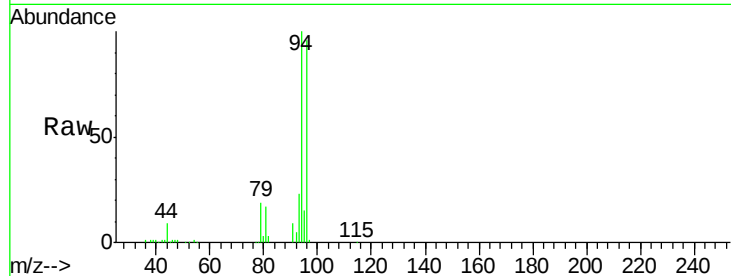
96 95.8 77.7 116.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

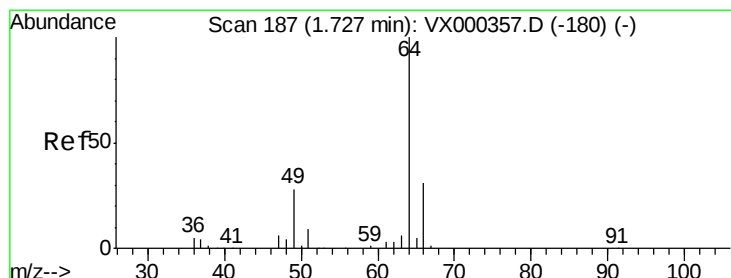
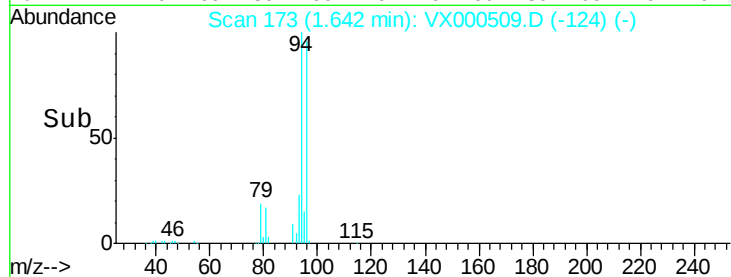
10000

5000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 23.33 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000509.D

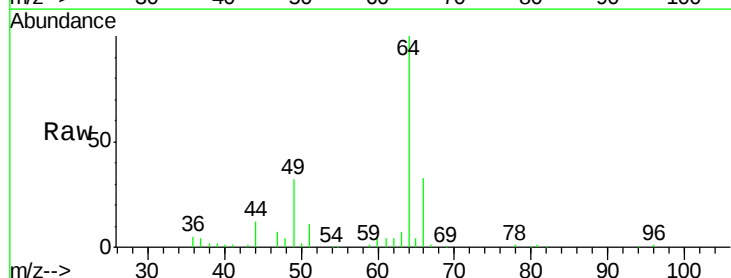
Acq: 29 Mar 2018 13:50

Tgt Ion: 64 Resp: 20457

Ion Ratio Lower Upper

64 100

66 33.0 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

15000

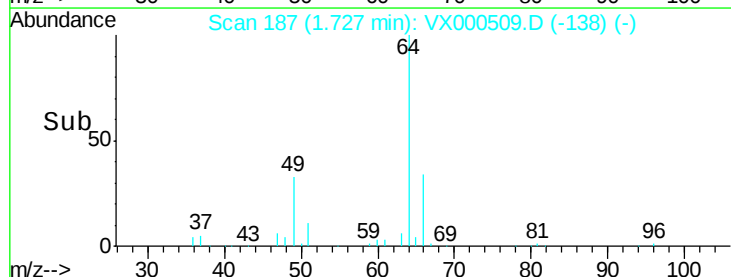
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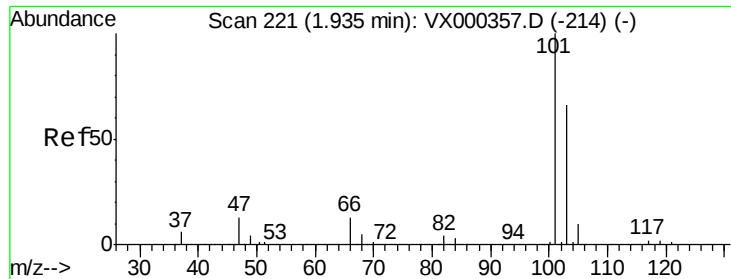
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0

Time-->

1.65 1.70 1.75 1.80





#7

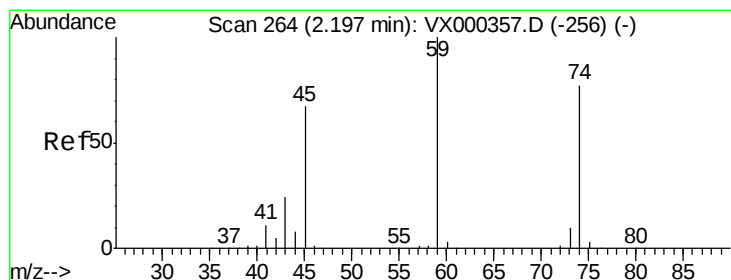
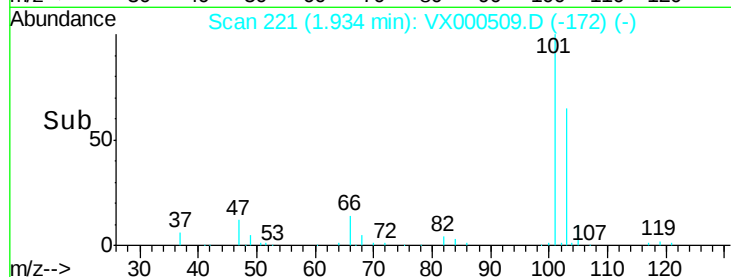
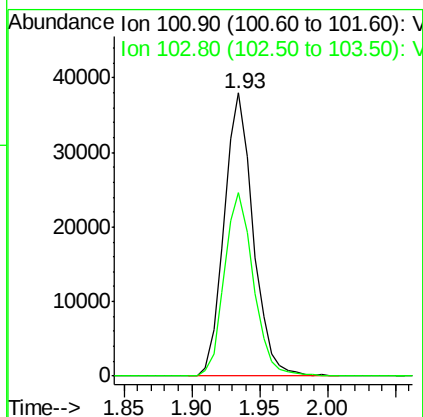
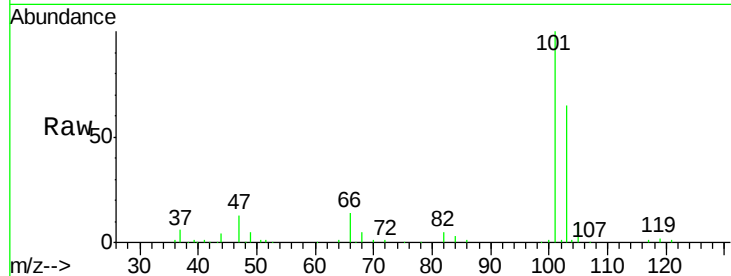
Trichlorofluoromethane
 Concen: 20.19 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion:101 Resp: 56245
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.6 77.4

Manual Integrations
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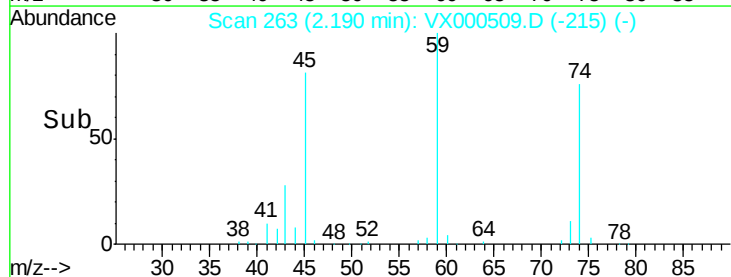
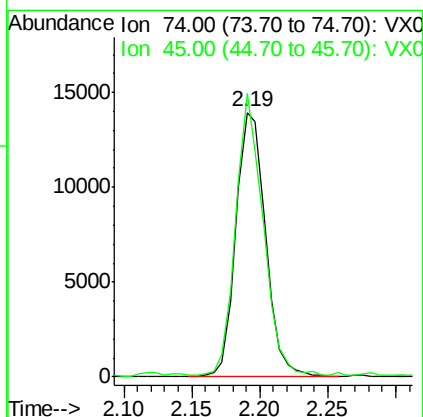
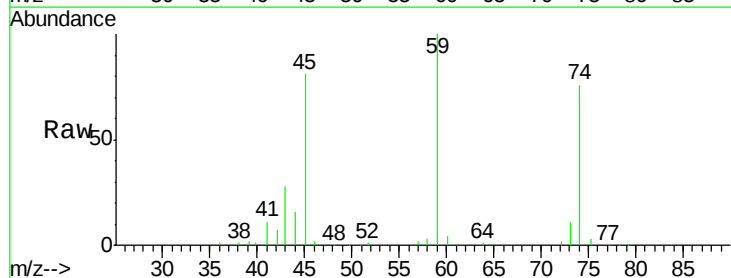
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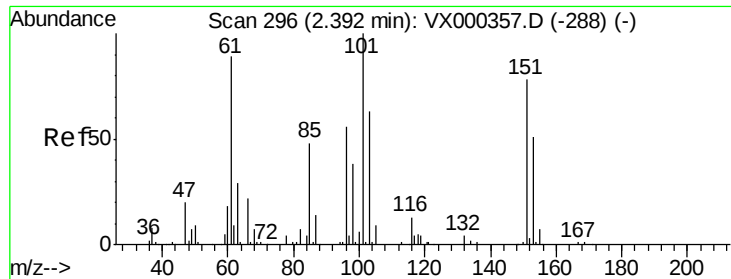


#8

Diethyl Ether
 Concen: 21.27 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Tgt Ion: 74 Resp: 21174
 Ion Ratio Lower Upper
 74 100
 45 98.6 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.55 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

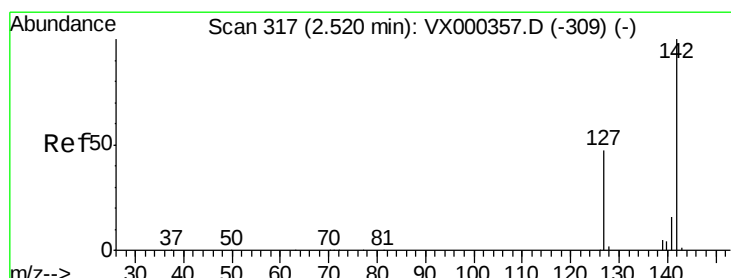
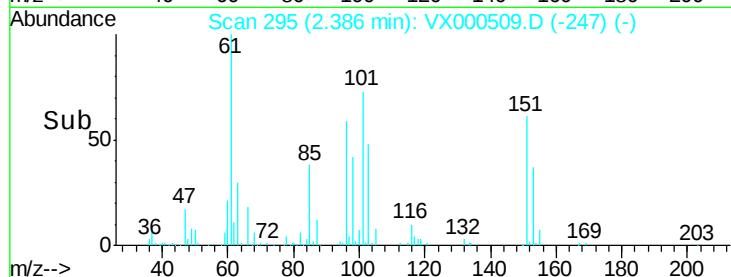
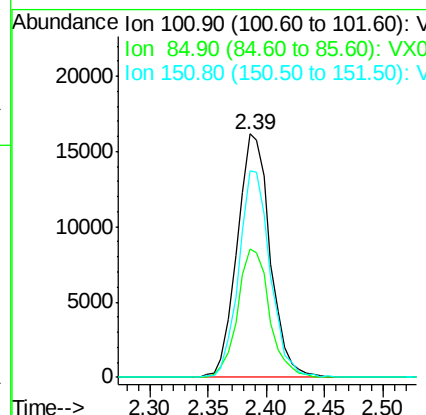
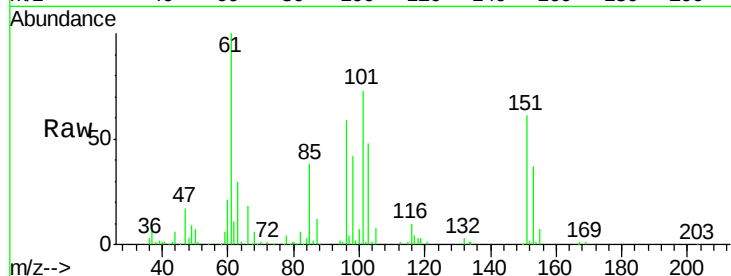
ClientSampleId :

VX0329WBS01

Tot Ion:	101	Resp:	31913
Ion Ratio	Lower	Upper	
101	100		
85	50.8	37.6	56.4
151	80.9	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 15.09 ug/l

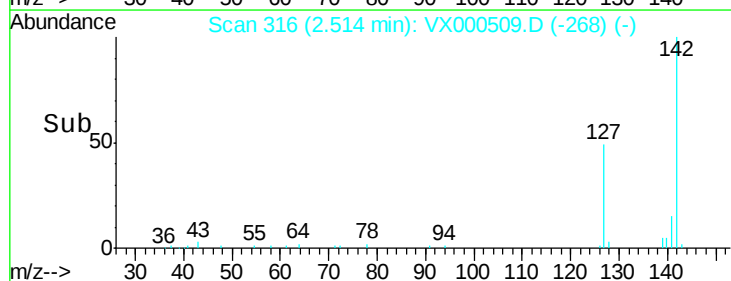
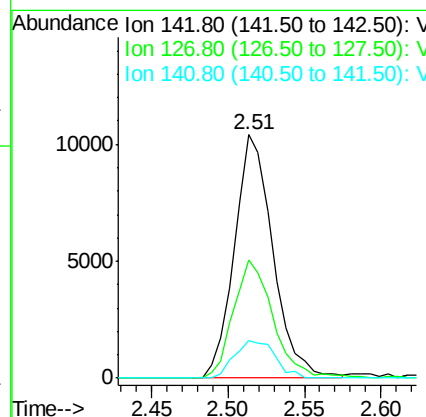
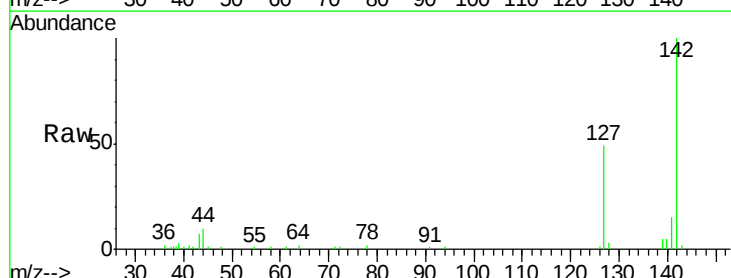
RT: 2.51 min Scan# 316

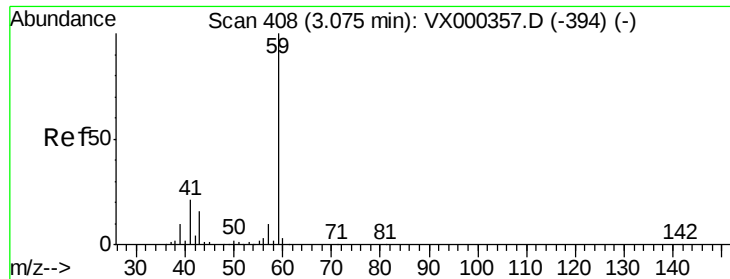
Delta R.T. -0.01 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Tgt Ion:	142	Resp:	18200
Ion Ratio	Lower	Upper	
142	100		
127	50.1	39.2	58.8
141	16.0	11.7	17.5





#11

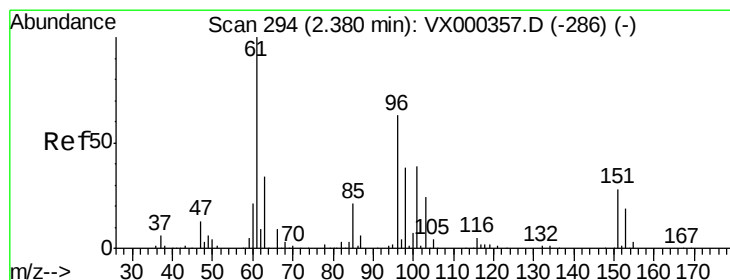
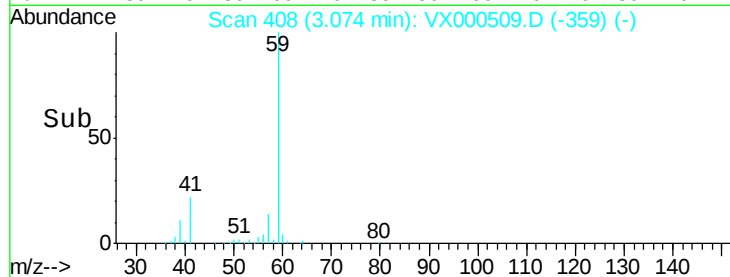
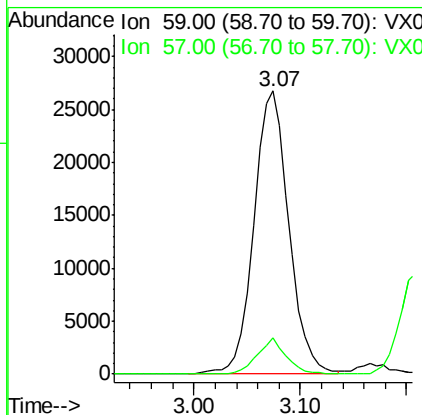
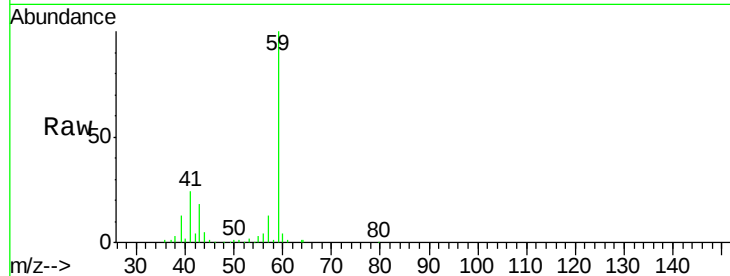
Tert butyl alcohol
Concen: 108.70 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	61400		
57	57	10.7		8.4	12.6

Manual Integrations
APPROVED

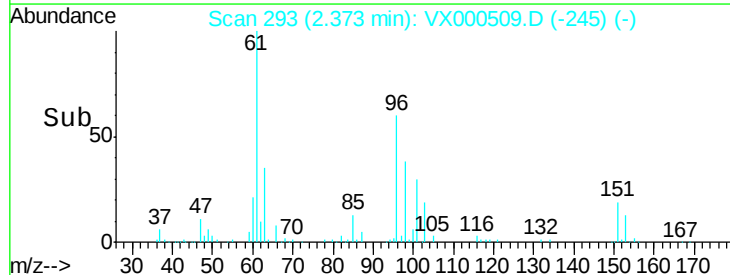
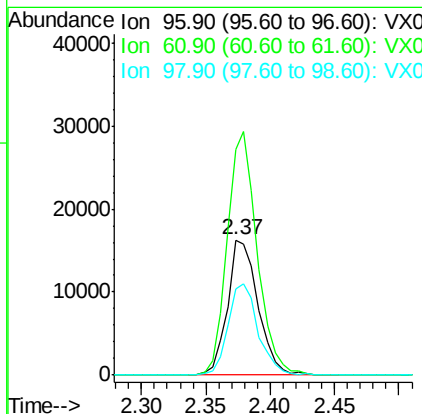
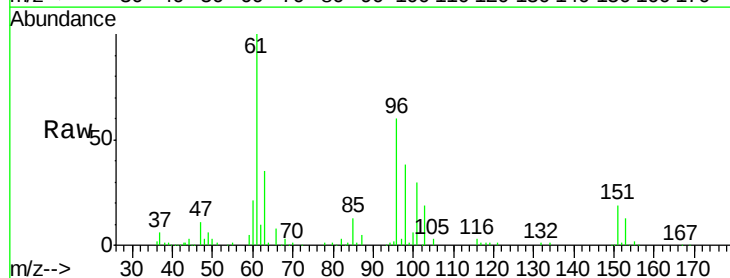
sam
3/30/2018 4:10:21 PM

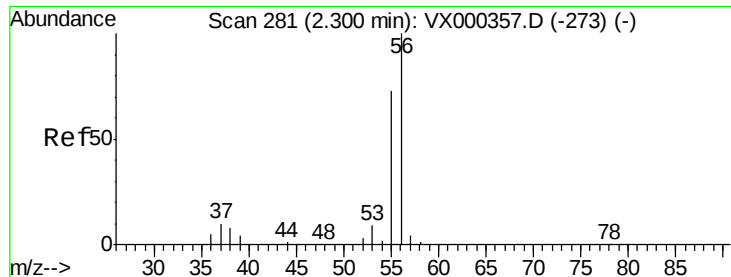


#12

1,1-Dichloroethene
Concen: 19.80 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	27001		
61	61	167.1		131.2	196.8
98	98	63.2		49.8	74.8





#13

Acrolein

Concen: 86.77 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion: 56 Resp: 13826

Ion Ratio Lower Upper

56 100

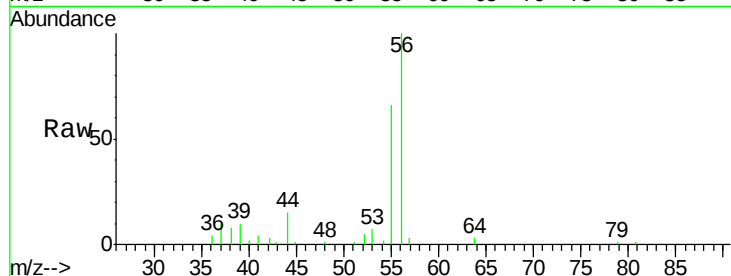
55 74.8 58.8 88.2

Manual Integrations

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sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

10000

8000

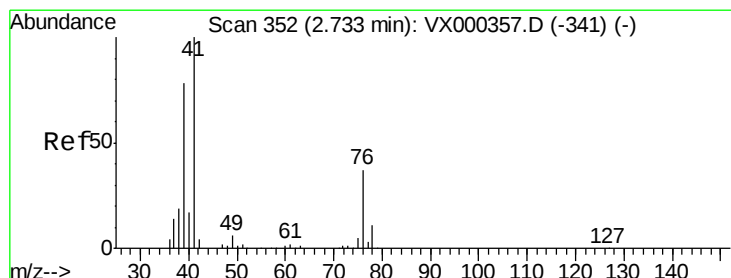
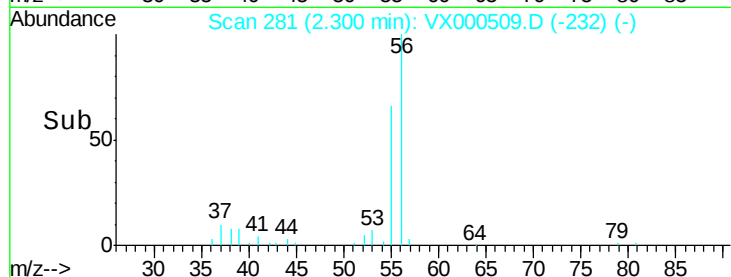
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 21.79 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

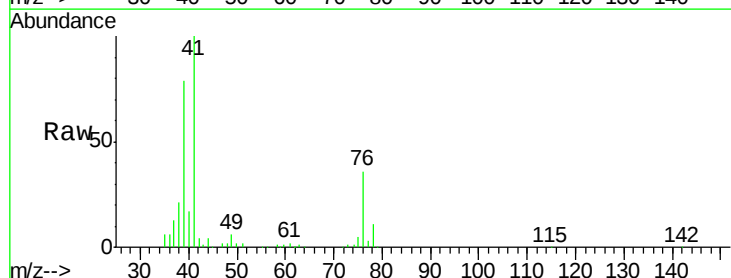
Tgt Ion: 41 Resp: 52604

Ion Ratio Lower Upper

41 100

39 73.2 57.6 86.4

76 32.7 27.3 40.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

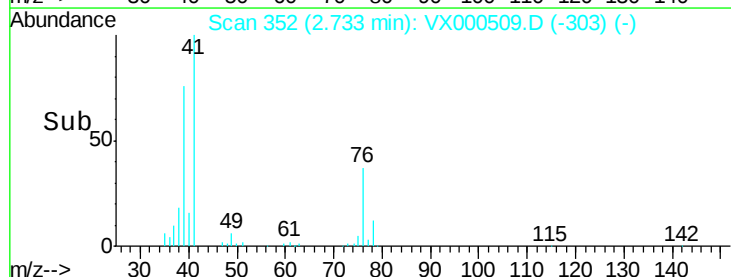
30000

20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 106.92 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

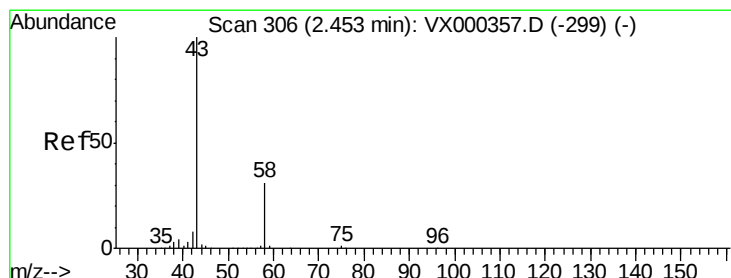
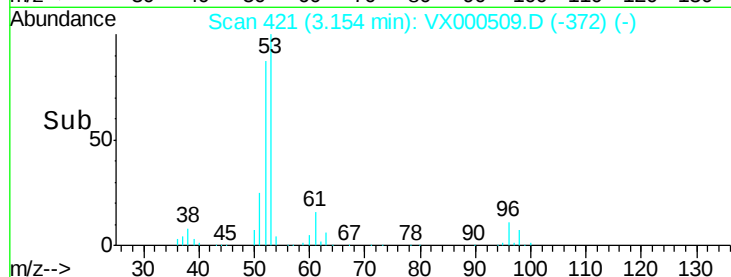
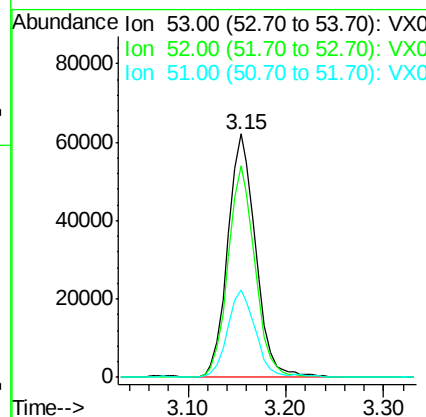
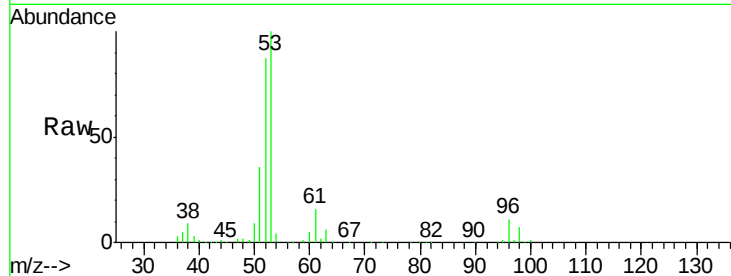
ClientSampleId :

VX0329WBS01

Tot Ion:	53	Resp:	122314
Ion Ratio	Lower	Upper	
53	100		
52	84.6	66.6	99.8
51	35.2	29.3	43.9

Manual Integrations
APPROVED

sam
3/30/2018 4:10:21 PM



#16

Acetone

Concen: 108.84 ug/l

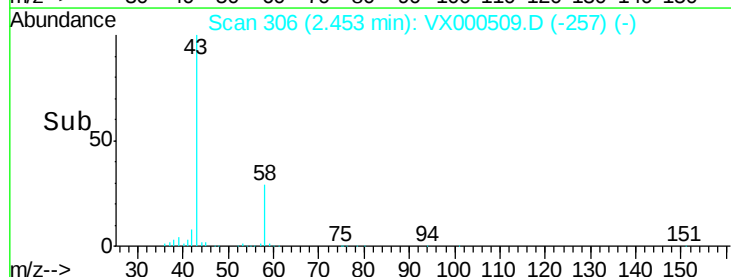
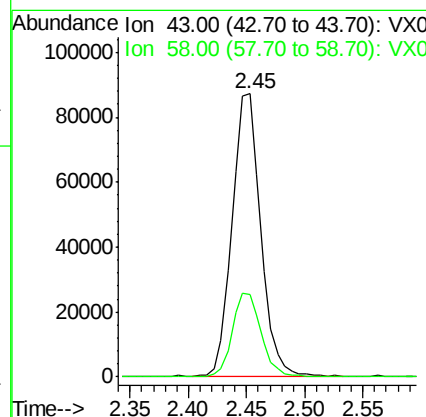
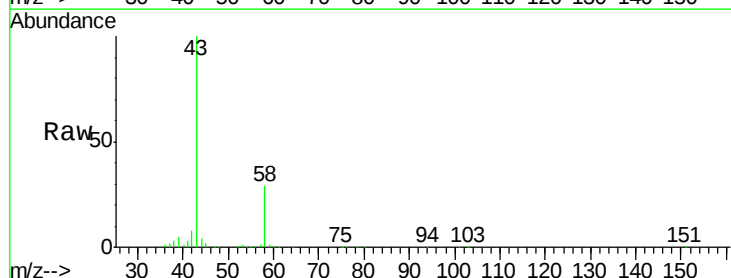
RT: 2.45 min Scan# 306

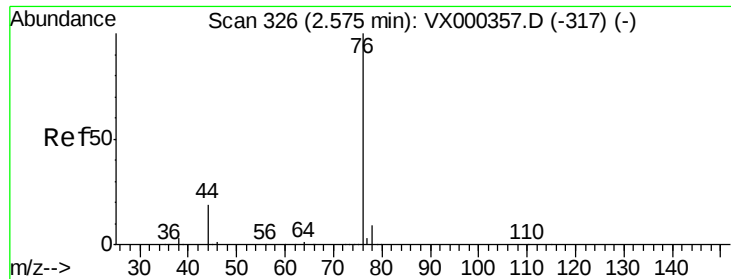
Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Tgt Ion:	43	Resp:	148679
Ion Ratio	Lower	Upper	
43	100		
58	29.2	24.7	37.1





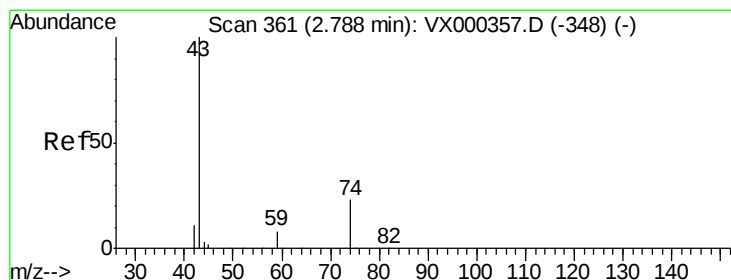
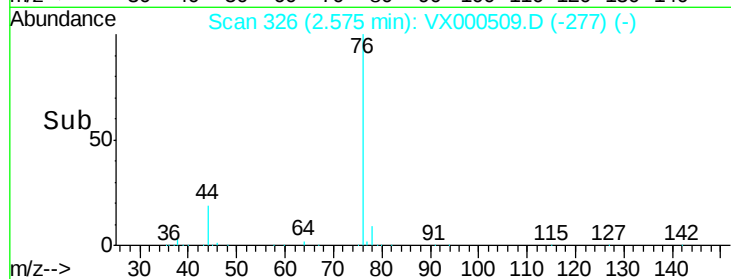
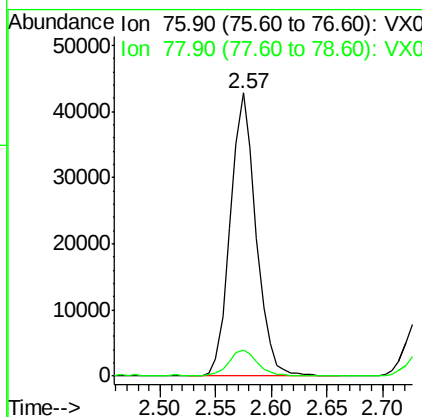
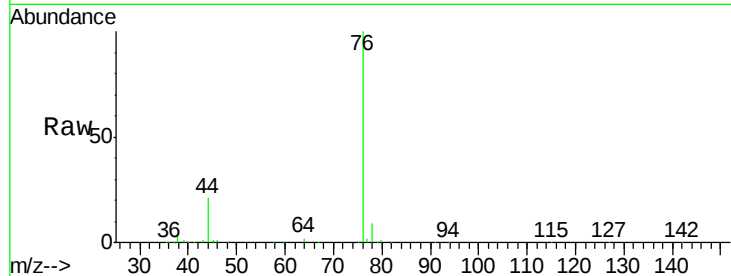
#17
Carbon Disulfide
Concen: 18.90 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

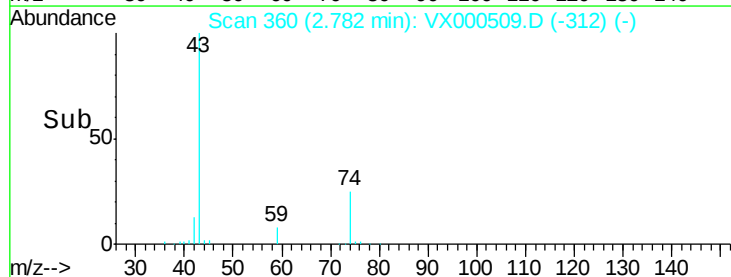
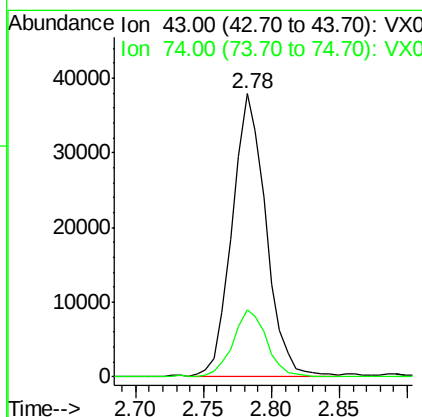
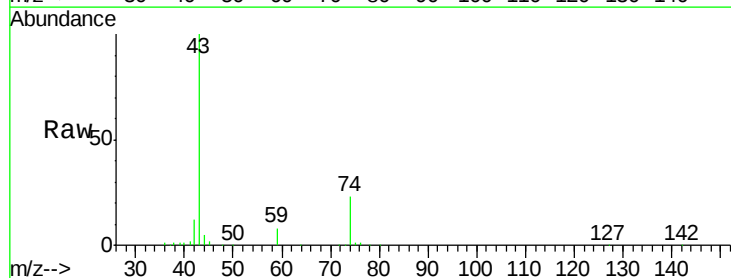
Manual Integrations
APPROVED

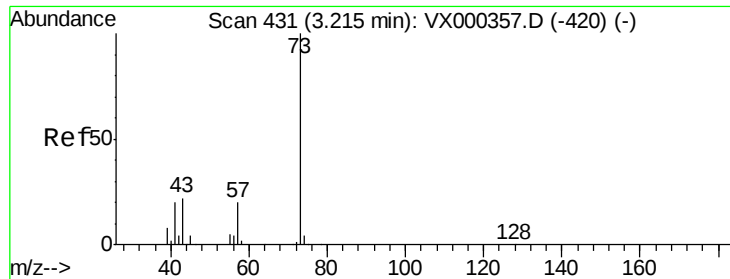
sam
3/30/2018 4:10:21 PM



#18
Methyl Acetate
Concen: 22.92 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





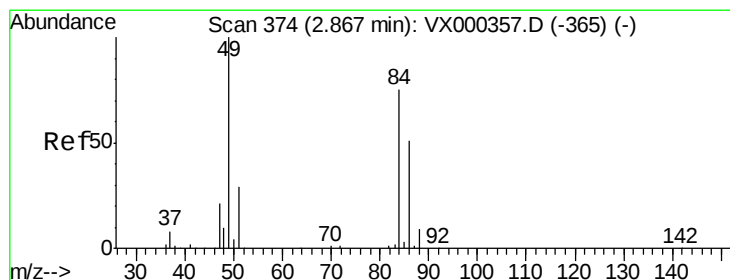
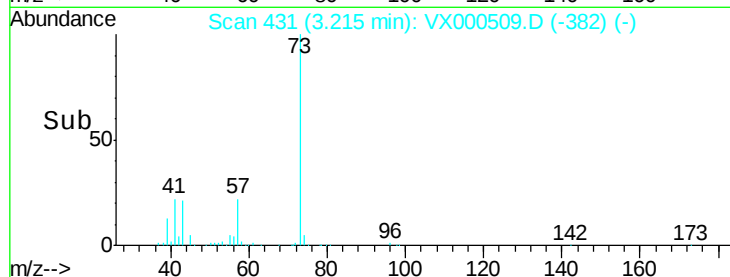
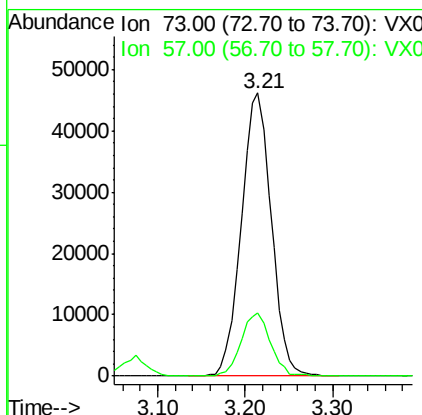
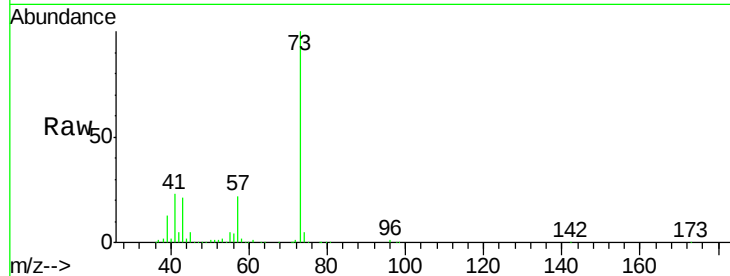
#19
Methyl tert-butyl Ether
Concen: 21.80 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleID :
VX0329WBS01

Tot Ion: 73 Resp: 109956
Ion Ratio Lower Upper
73 100
57 22.3 17.2 25.8

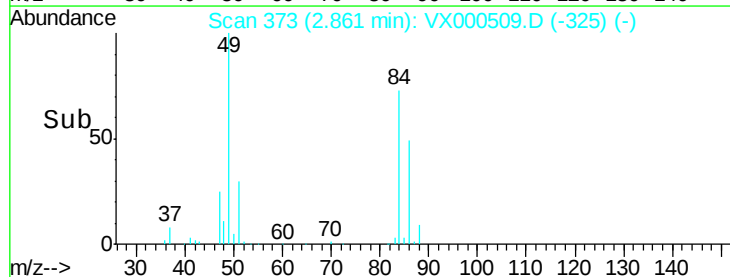
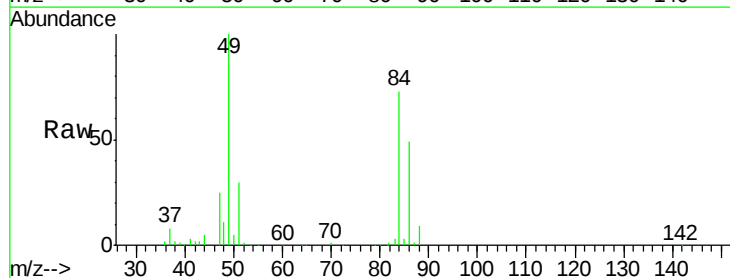
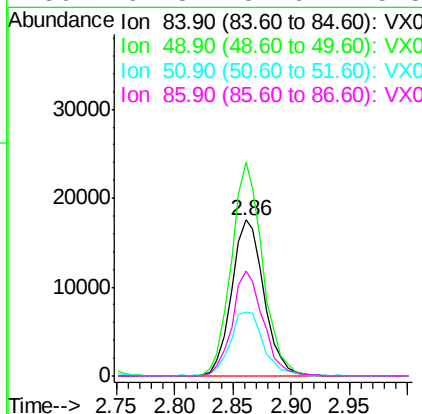
Manual Integrations
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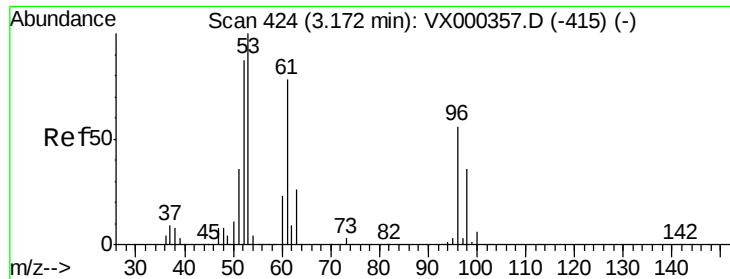
sam
3/30/2018 4:10:21 PM



#20
Methylene Chloride
Concen: 21.59 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion: 84 Resp: 34070
Ion Ratio Lower Upper
84 100
49 137.2 100.6 151.0
51 40.7 31.6 47.4
86 67.3 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 20.15 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

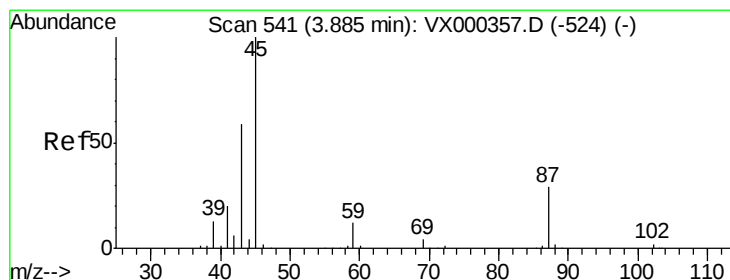
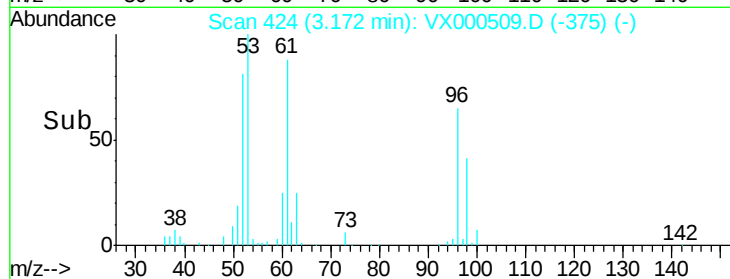
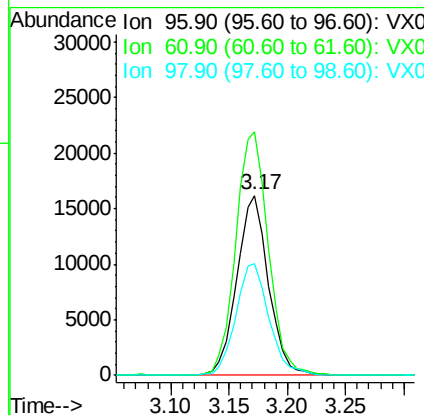
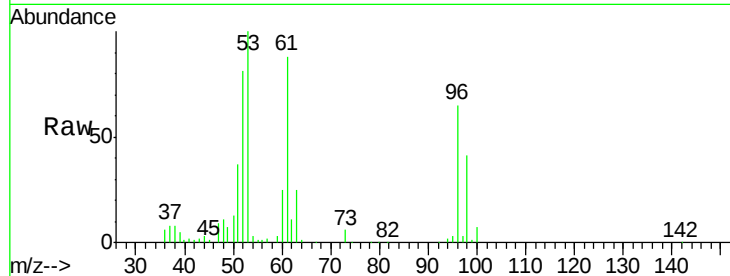
ClientSampleId :

VX0329WBS01

Tot Ion:	96	Resp:	30647
Ion	Ratio	Lower	Upper
96	100		
61	135.3	104.0	156.0
98	62.4	52.1	78.1

Manual Integrations
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sam
3/30/2018 4:10:21 PM



#22

Diisopropyl ether

Concen: 21.88 ug/l

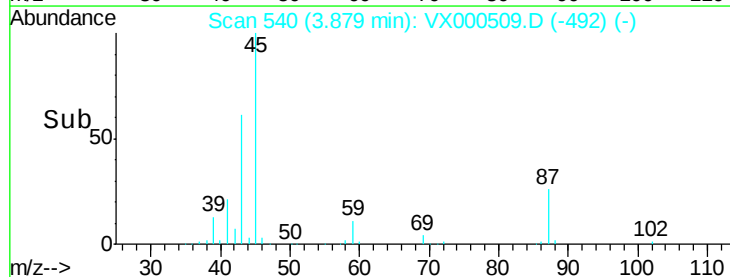
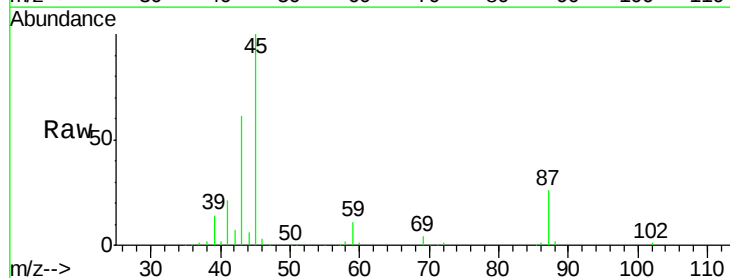
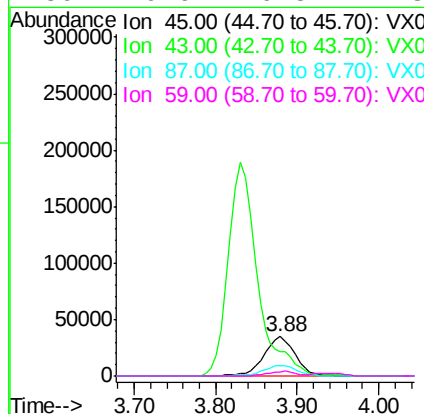
RT: 3.88 min Scan# 540

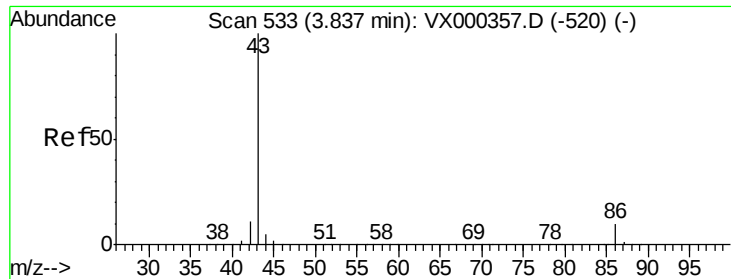
Delta R.T. -0.01 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Tgt Ion:	45	Resp:	93243
Ion	Ratio	Lower	Upper
45	100		
43	60.9	53.9	80.9
87	26.3	22.6	34.0
59	10.6	9.5	14.3





#23

Vinyl Acetate

Concen: 117.36 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

ClientSampled :

VX0329WBS01

Tot Ion: 43 Resp: 474230

Ion Ratio Lower Upper

43 100

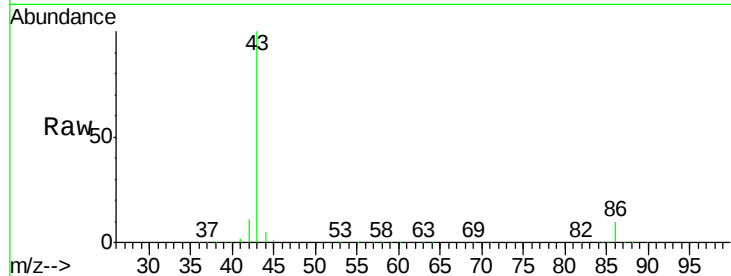
86 9.5 8.6 12.8

Manual Integrations

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sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

200000

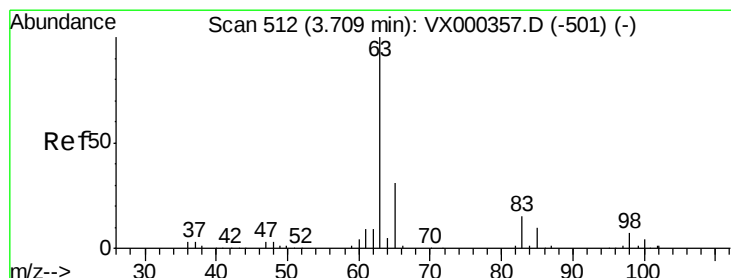
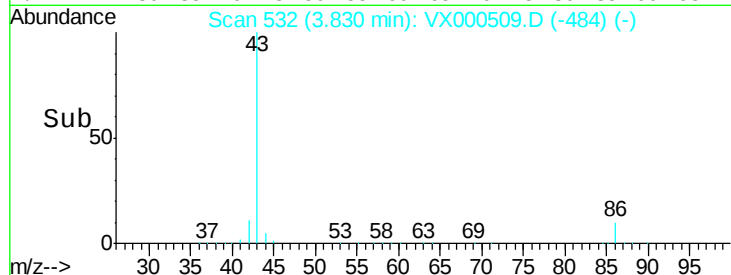
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.98 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

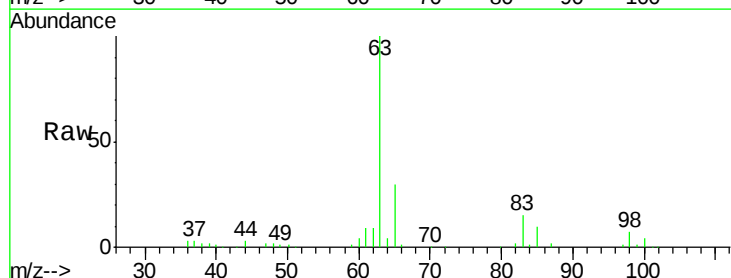
Tgt Ion: 63 Resp: 58906

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.9

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

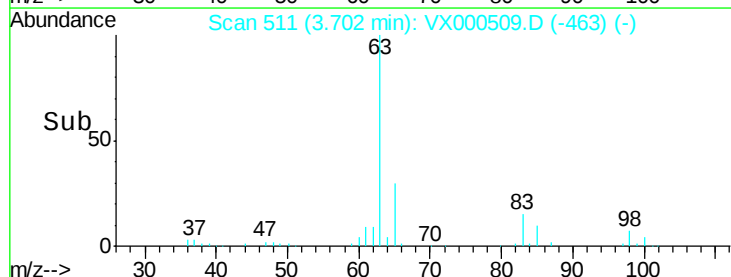
30000

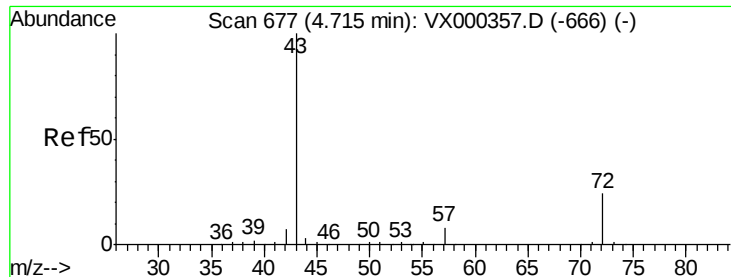
20000

10000

0

Time-->





#25

2-Butanone

Concen: 99.11 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion: 43 Resp: 152180

Ion Ratio Lower Upper

43 100

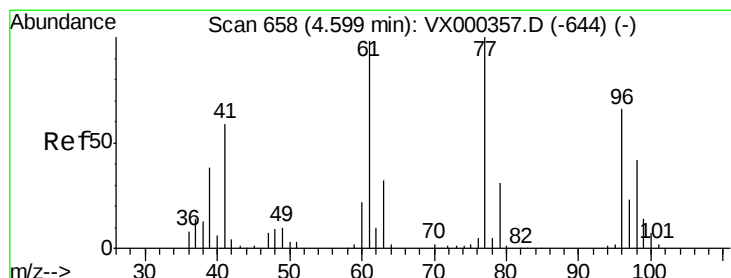
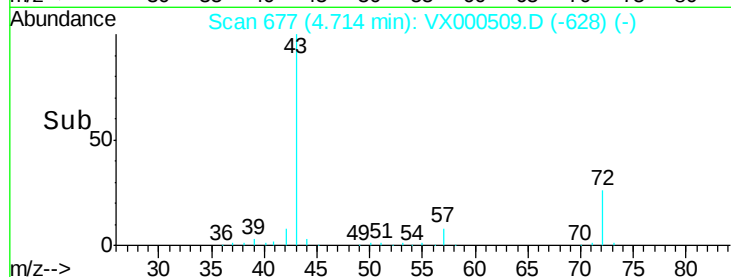
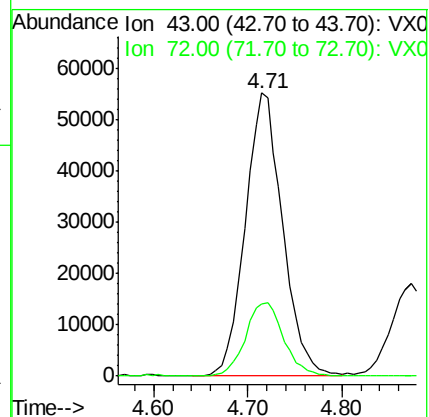
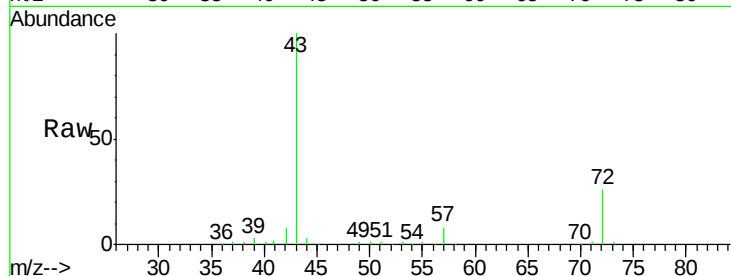
72 25.7 21.0 31.6

Manual Integrations

APPROVED

sam

3/30/2018 4:10:21 PM



#26

2,2-Dichloropropane

Concen: 19.22 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX000509.D

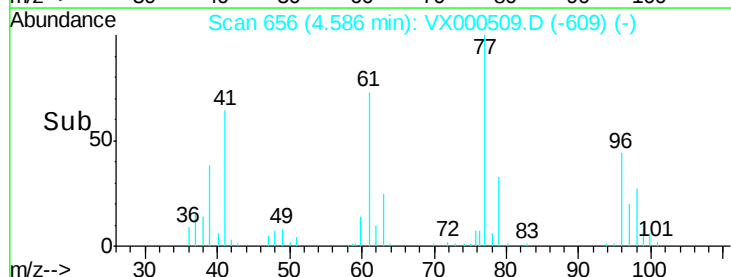
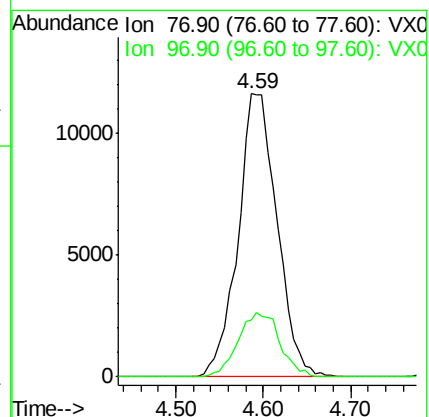
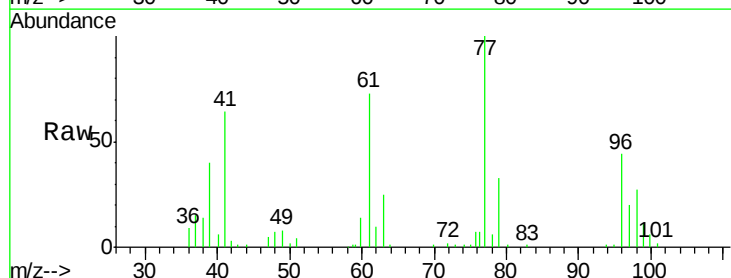
Acq: 29 Mar 2018 13:50

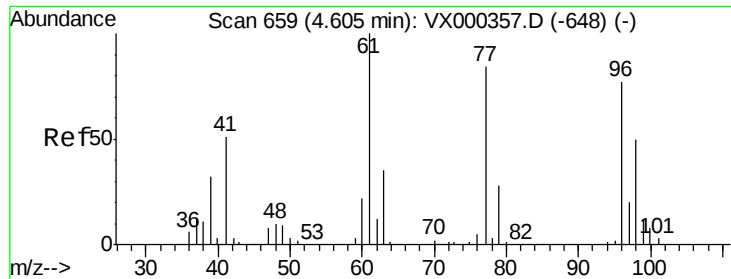
Tgt Ion: 77 Resp: 36092

Ion Ratio Lower Upper

77 100

97 24.2 11.3 33.8





#27

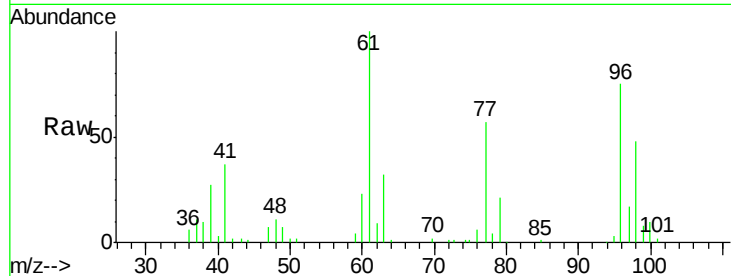
cis-1,2-Dichloroethene
Concen: 19.41 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

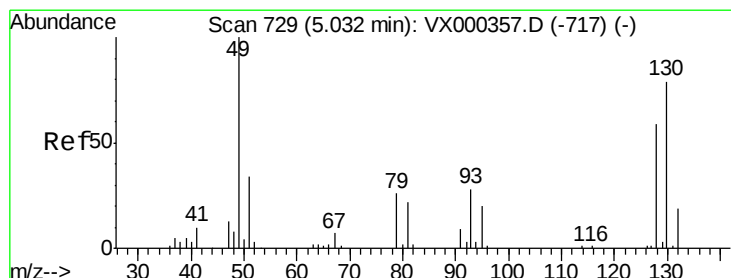
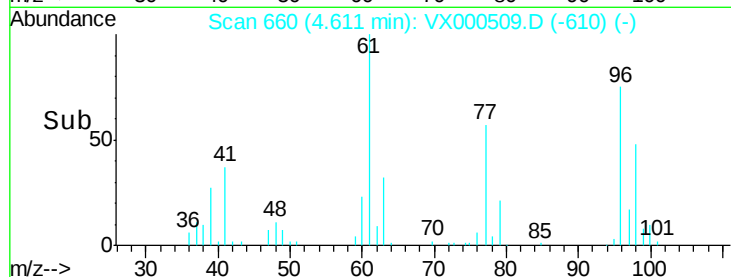
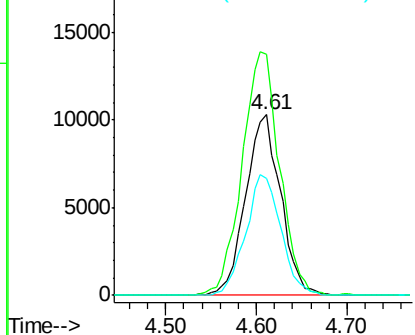
Tot Ion	Ratio	Resp	Lower	Upper
96	100	27586		
61	143.7		0.0	291.6
98	66.7		0.0	132.0

Manual Integrations
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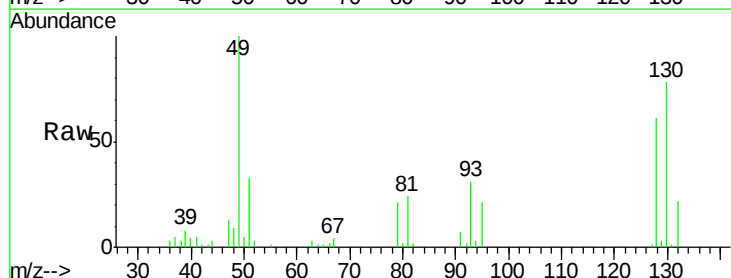
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



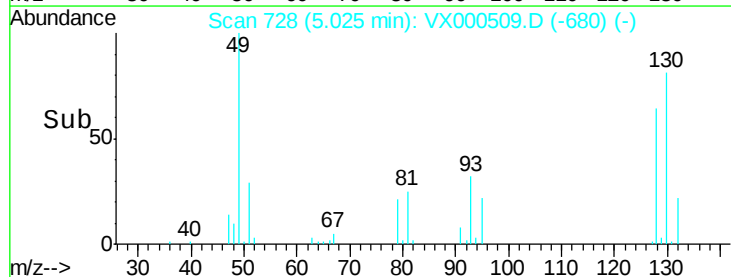
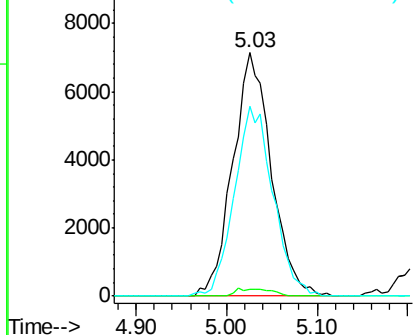
#28

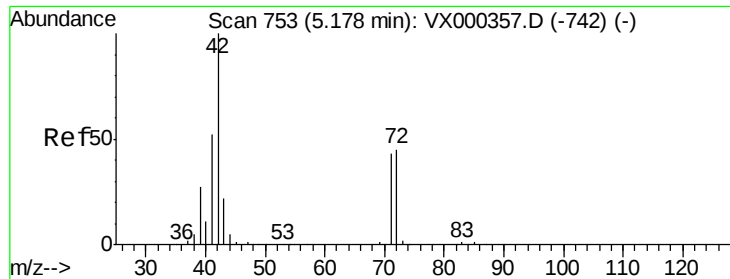
Bromochloromethane
Concen: 18.95 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	20936		
129	1.3		0.0	5.0
130	78.4		64.0	96.0



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





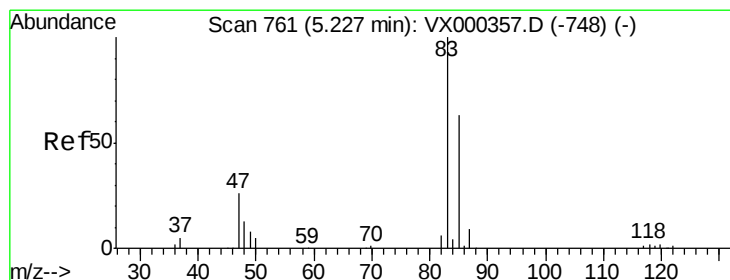
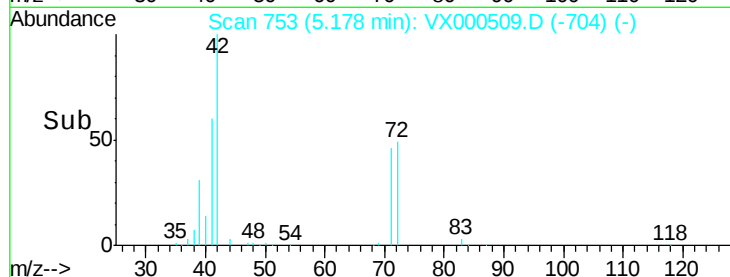
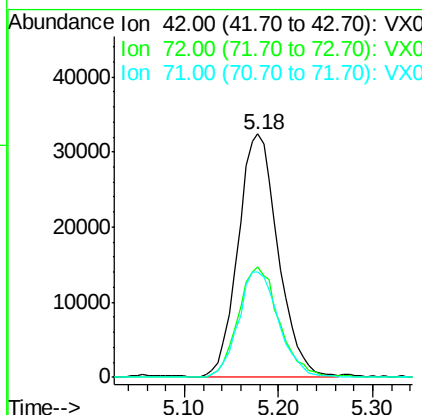
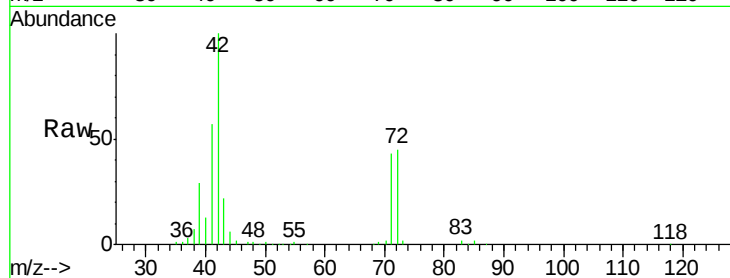
#29
Tetrahydrofuran
Concen: 101.12 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.9	56.9
71	44.1	34.4	51.6

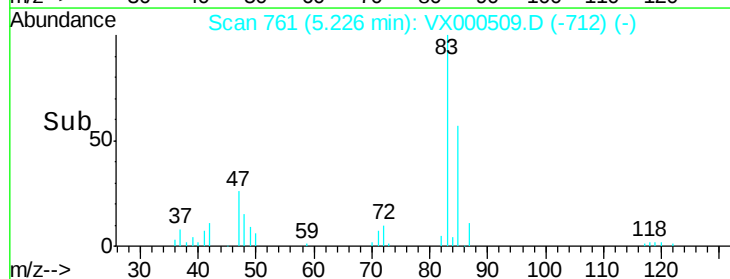
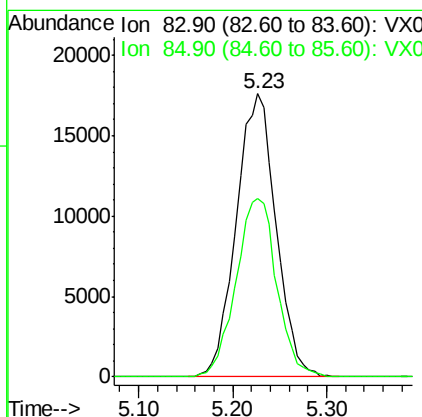
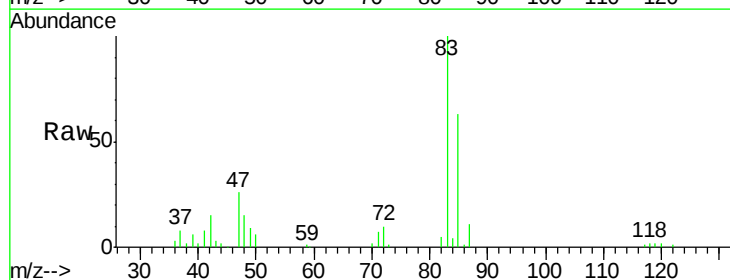
Manual Integrations
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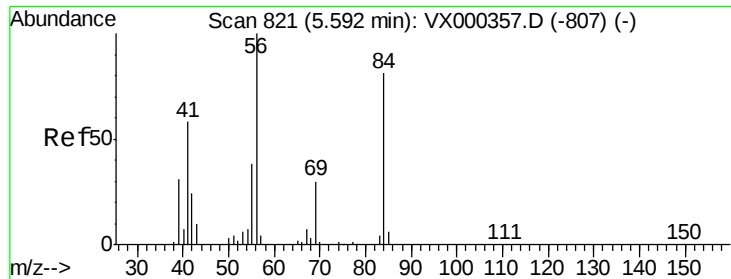
sam
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#30
Chloroform
Concen: 20.68 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	53.3	79.9





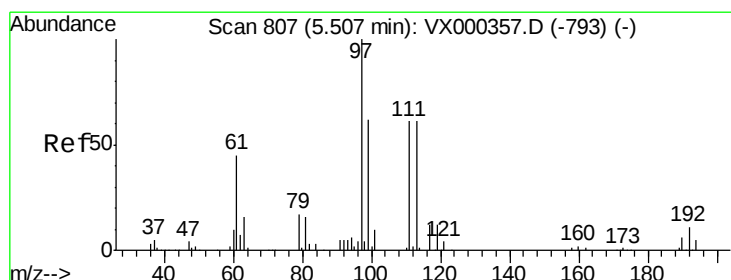
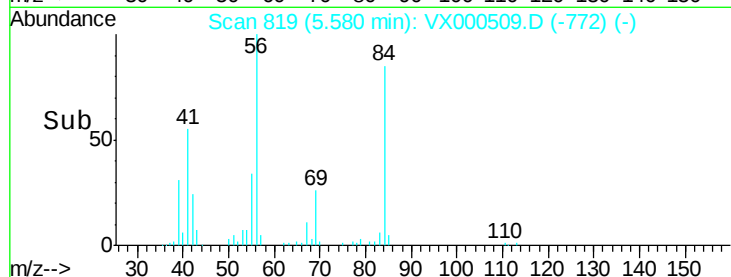
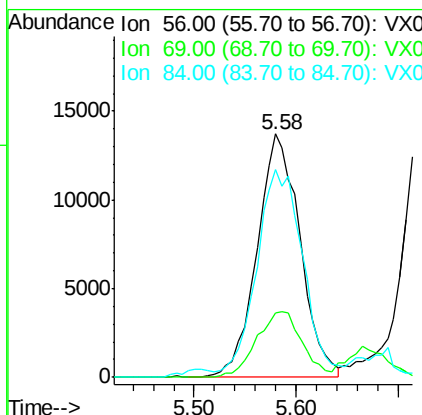
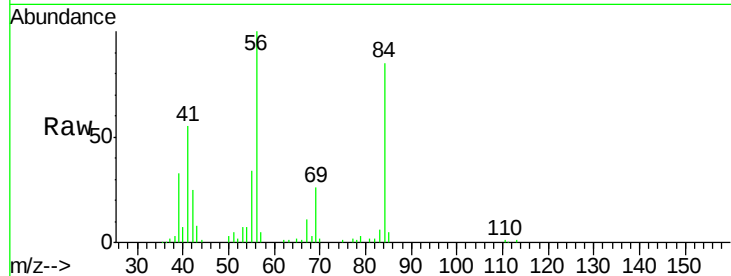
#31
Cyclohexane
Concen: 19.34 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.6	23.4	35.0
84	82.4	71.0	106.4

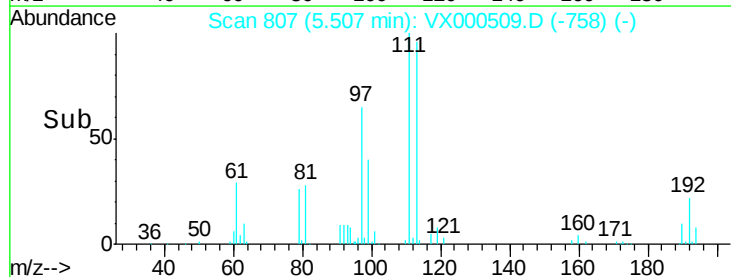
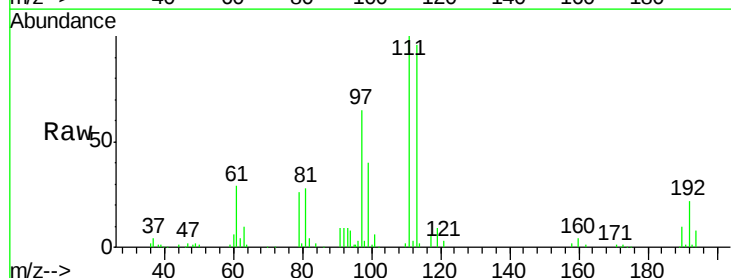
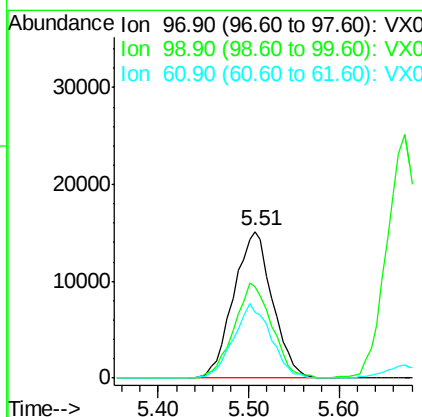
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 19.80 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	52.1	78.1
61	48.7	36.2	54.4





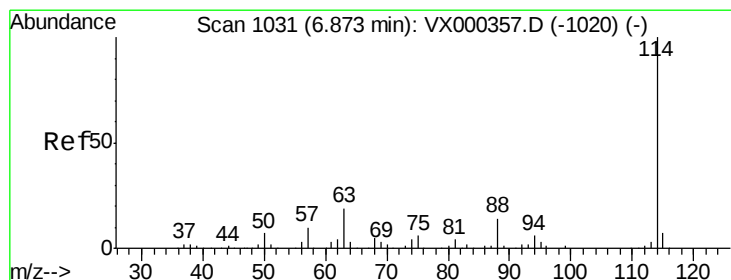
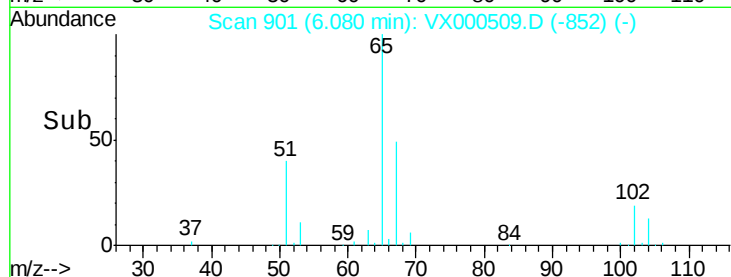
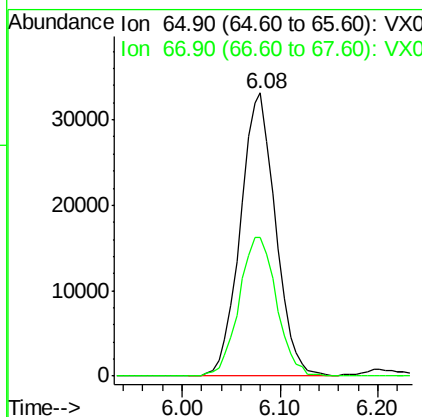
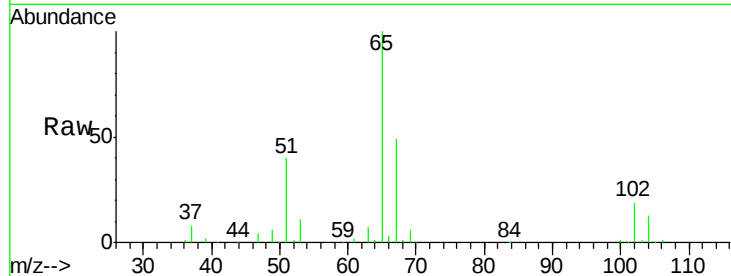
#33
 1,2-Dichloroethane-d4
 Concen: 50.30 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	82604		
67	52.3	0.0	103.2	

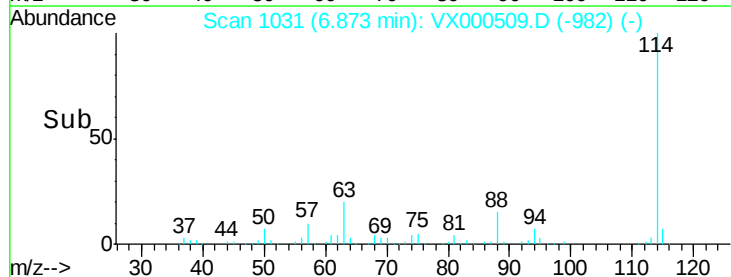
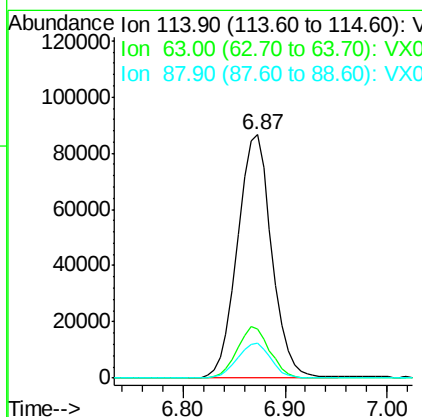
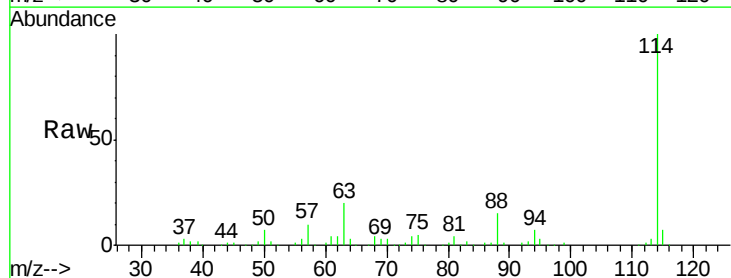
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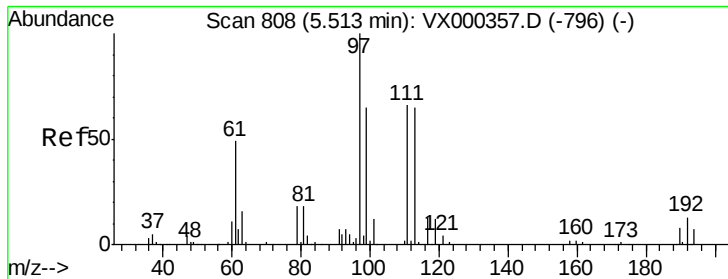
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	202703		
63	20.1	0.0	38.4	
88	14.5	0.0	27.0	





#35

Dibromofluoromethane

Concen: 51.43 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

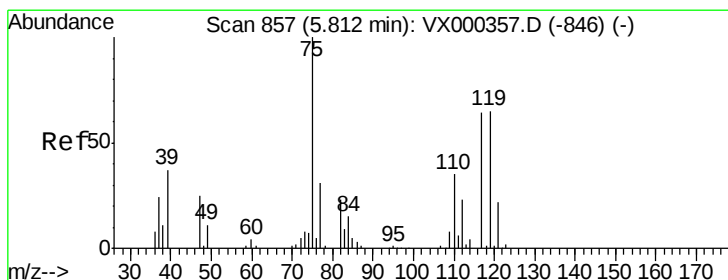
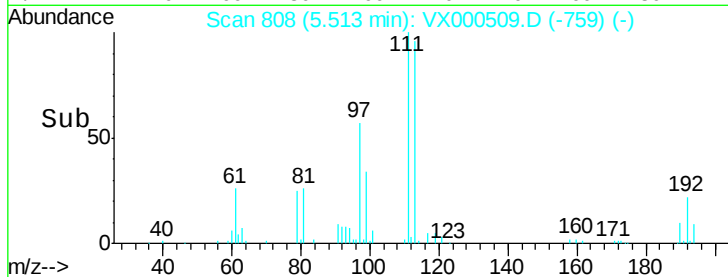
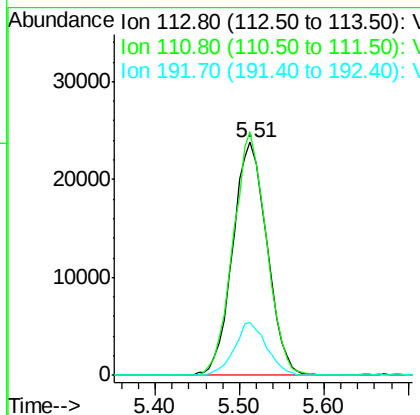
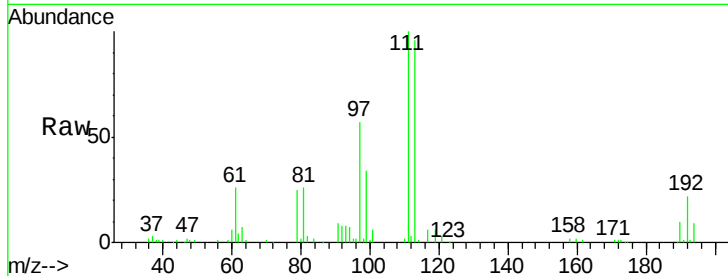
ClientSampleId :

VX0329WBS01

Tot Ion:	113	Resp:	65686
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.4	123.6
192	21.3	15.8	23.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.62 ug/l

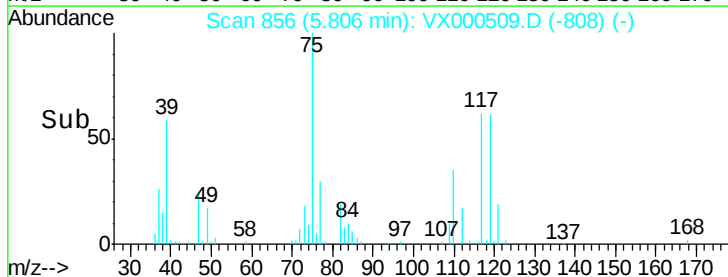
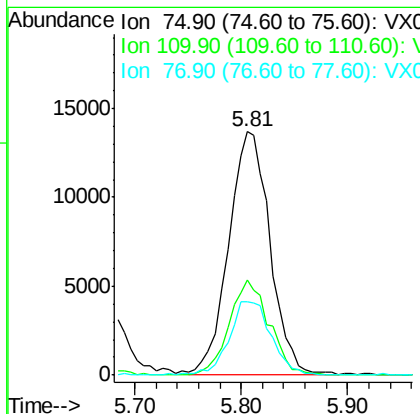
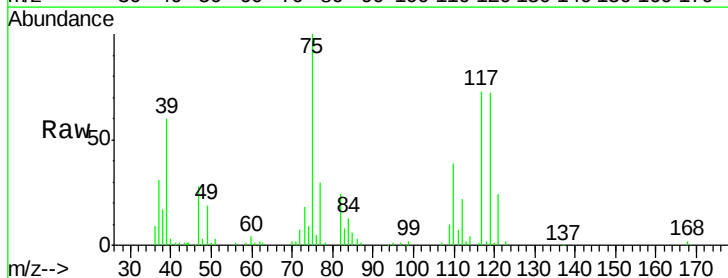
RT: 5.81 min Scan# 856

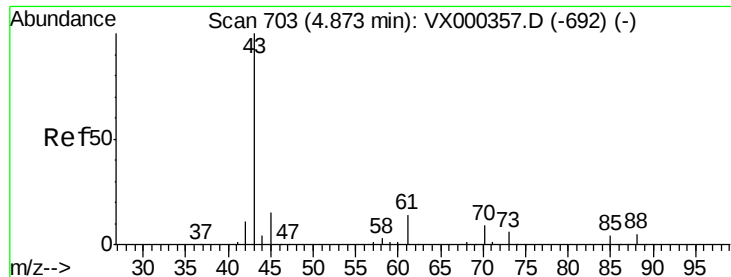
Delta R.T. -0.01 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Tgt Ion:	75	Resp:	37254
Ion	Ratio	Lower	Upper
75	100		
110	37.8	17.9	53.7
77	30.7	24.0	36.0





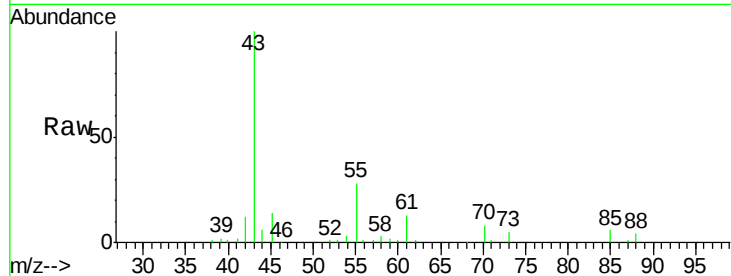
#37
Ethyl Acetate
Concen: 20.16 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampled :
VX0329WBS01

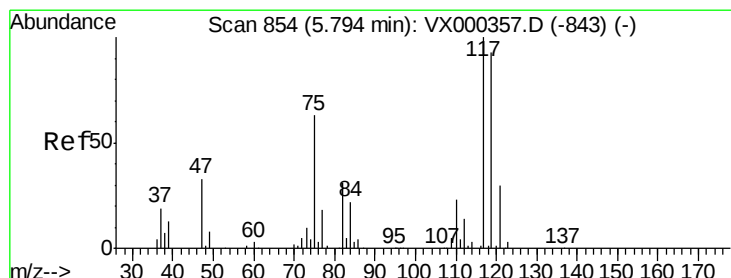
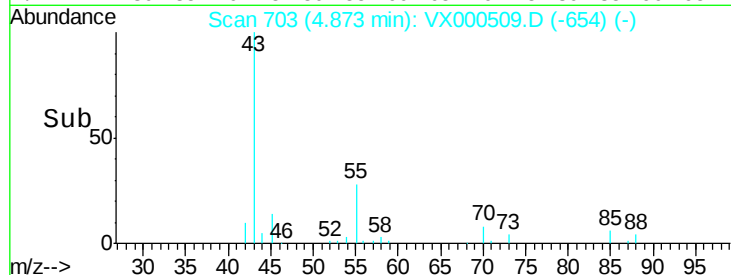
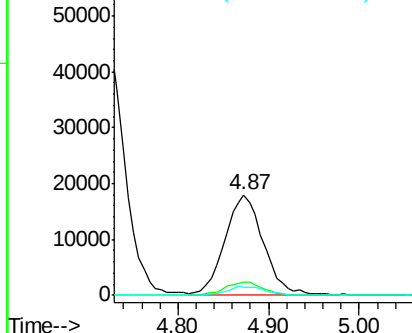
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.1	16.7
70	9.1	7.7	11.5

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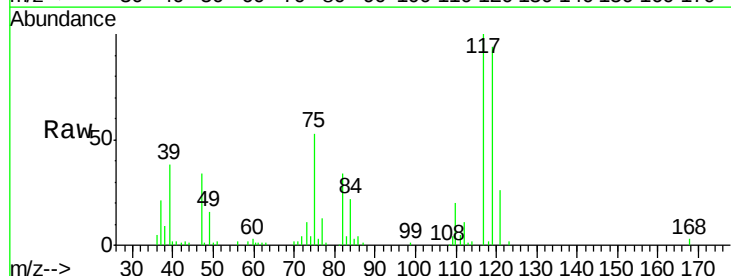


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

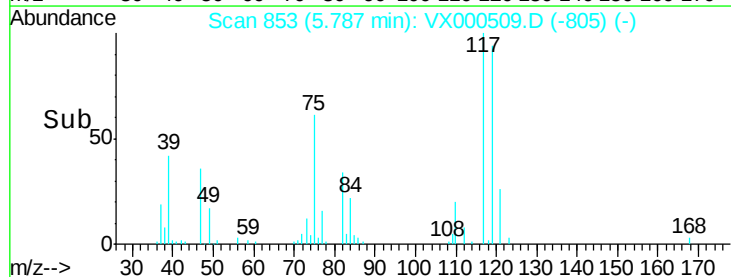
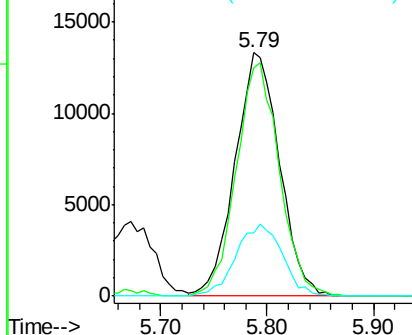


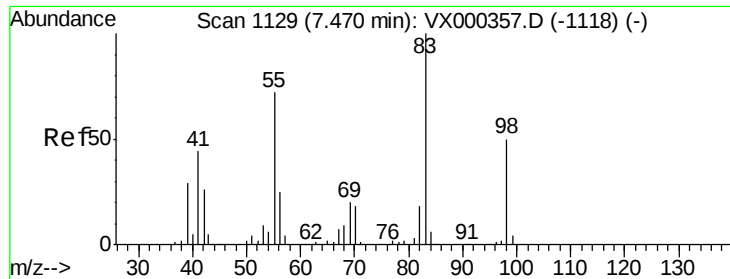
#38
Carbon Tetrachloride
Concen: 19.52 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.4	116.2
121	26.0	24.8	37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





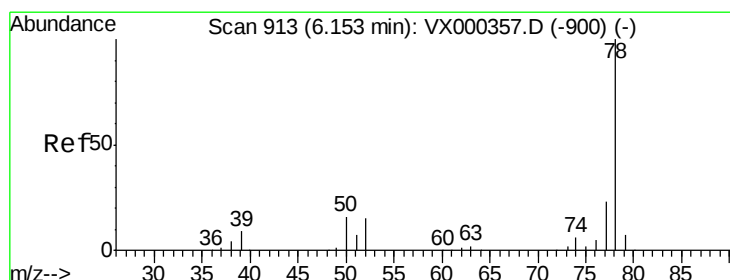
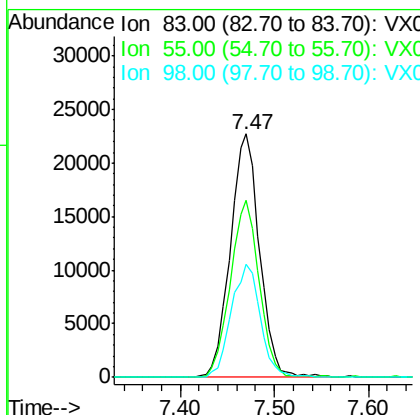
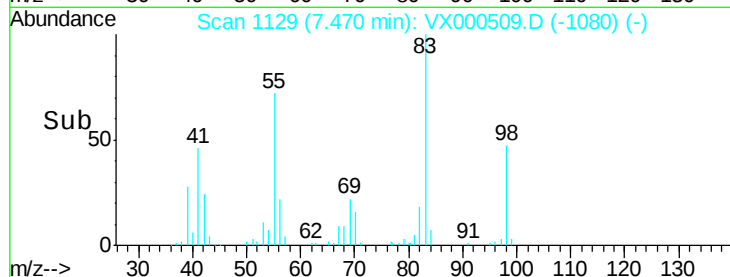
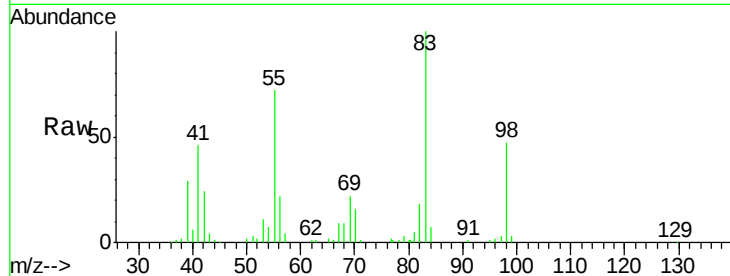
#39
Methvlcvclohexane
Concen: 21.03 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	55.5	83.3
98	46.5	38.2	57.4

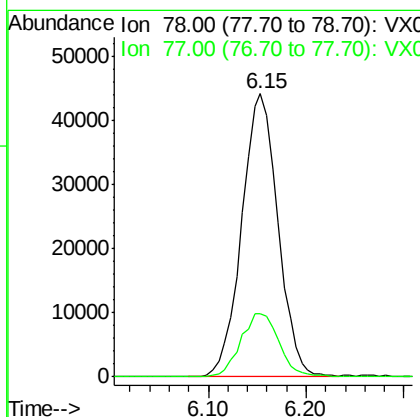
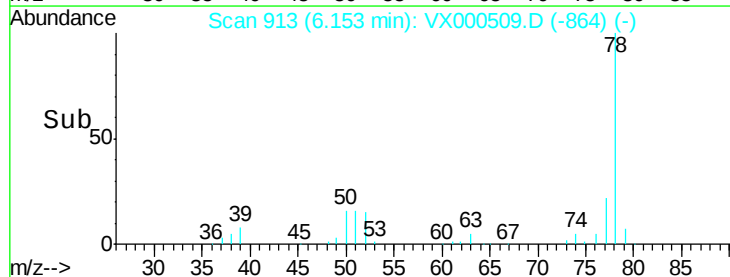
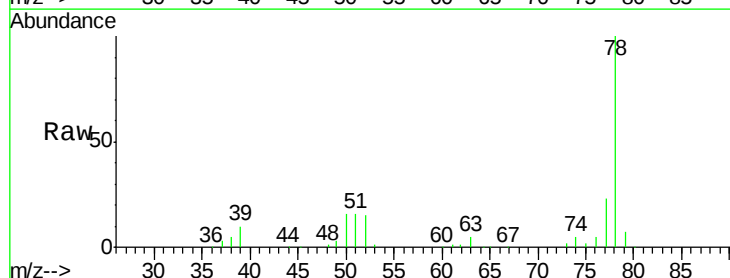
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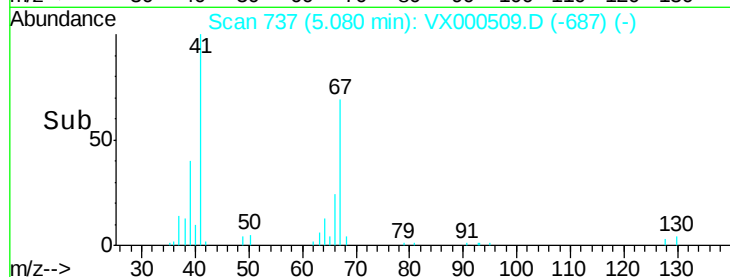
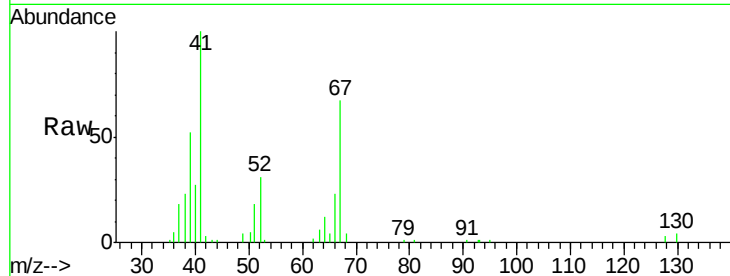
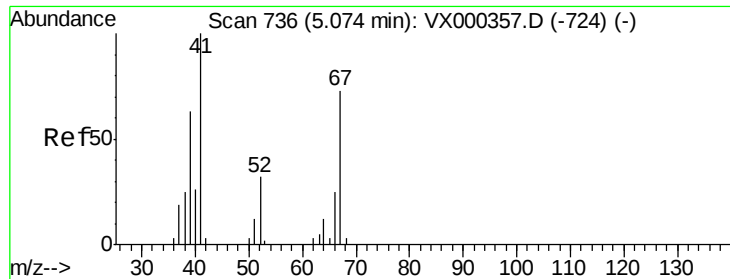
sam
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#40
Benzene
Concen: 20.62 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

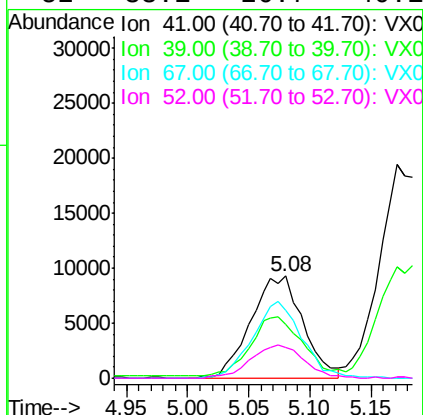
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.7	28.1





#41
Methacrylonitrile
Concen: 20.21 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

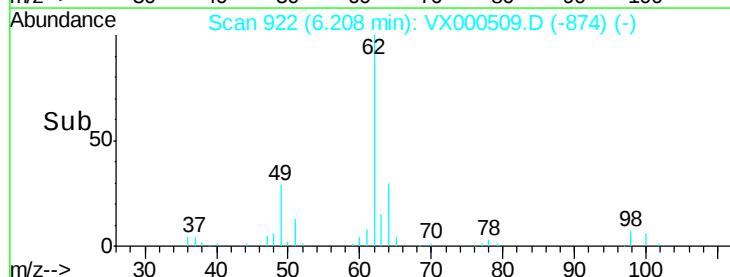
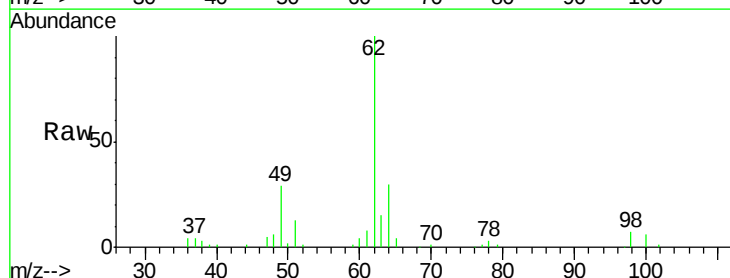
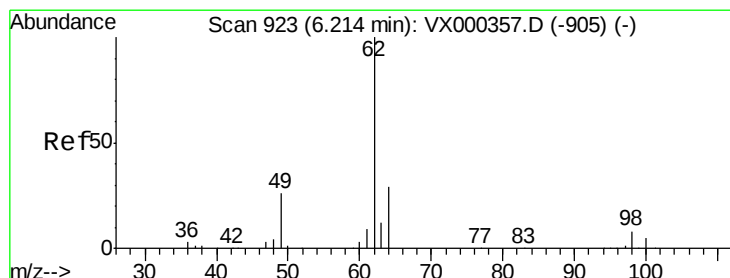
Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	58.2	45.7	68.5
67	67	71.3	57.8	86.8
52	52	33.1	26.7	40.1



Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

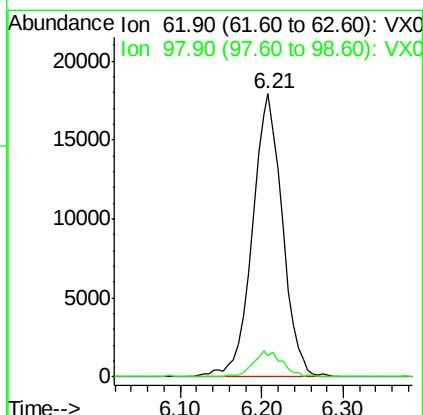
Manual Integrations
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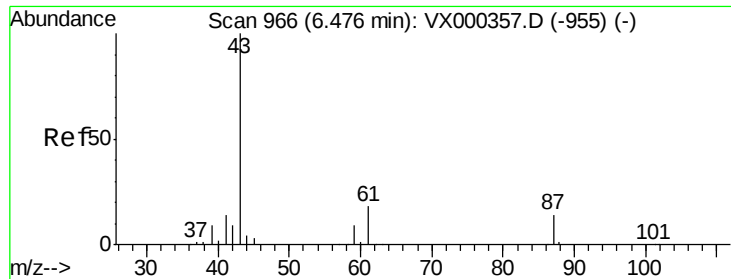
sam
3/30/2018 4:10:21 PM



#42
1,2-Dichloroethane
Concen: 21.34 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.01 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	8.8	0.0	15.8





#43

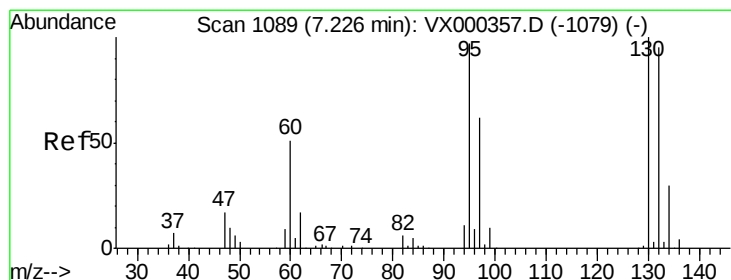
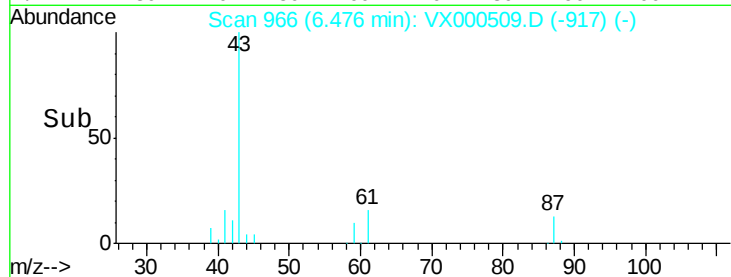
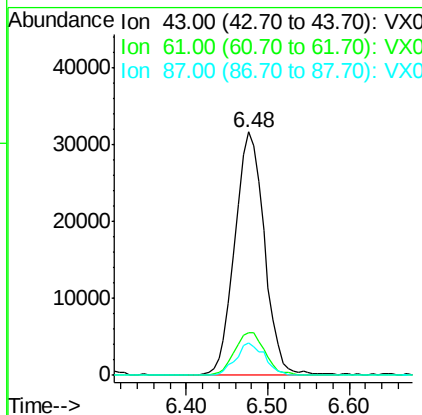
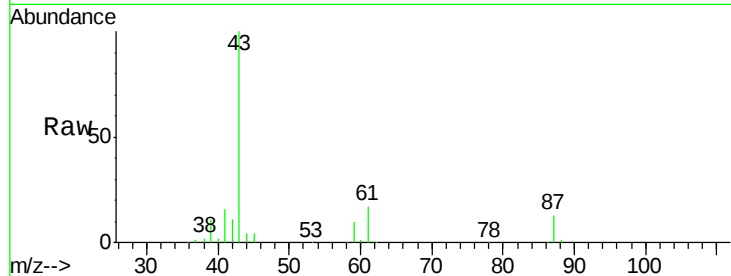
Isopropyl Acetate
 Concen: 20.67 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.4	21.6
87	12.9	11.0	16.4

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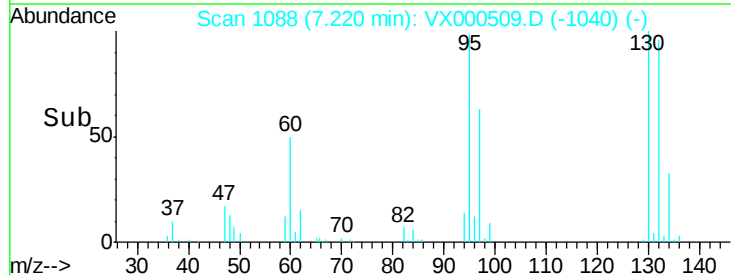
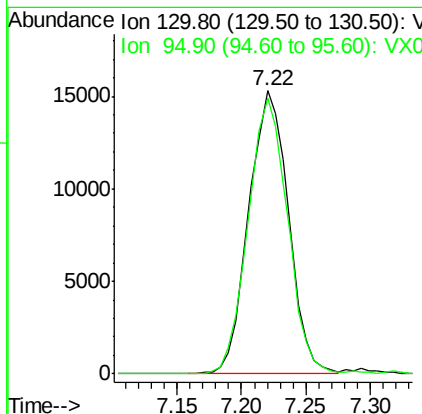
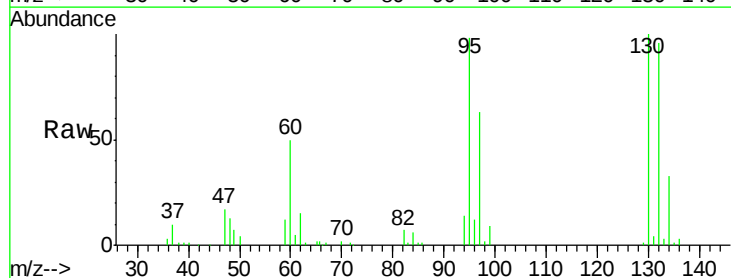
sam
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#44

Trichloroethene
 Concen: 20.69 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	186.0





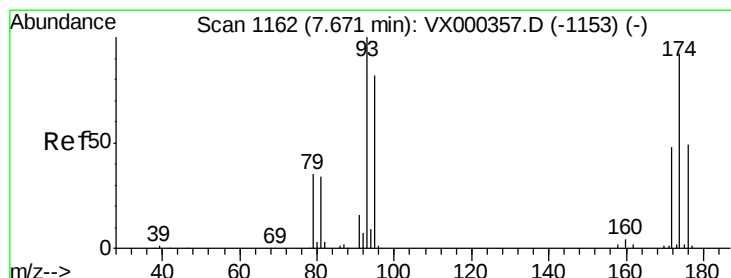
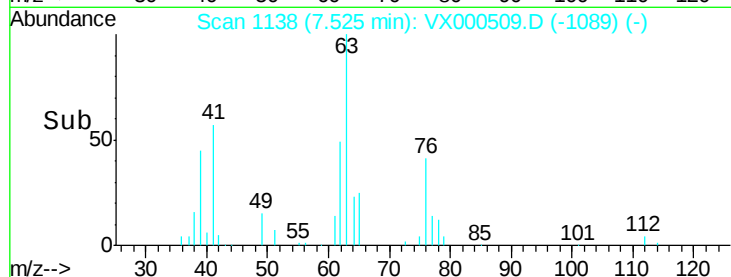
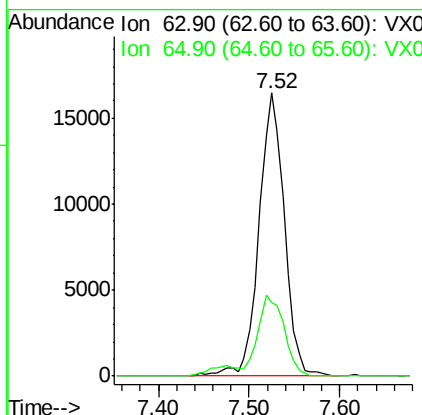
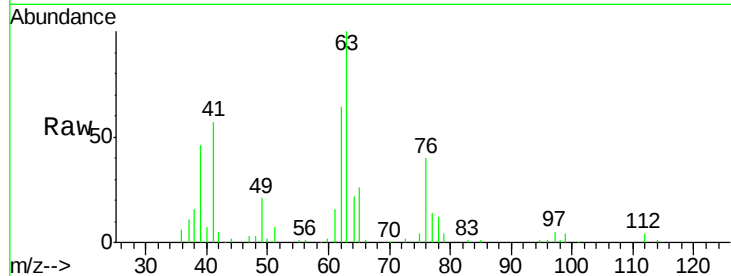
#45
 1,2-Dichloropropane
 Concen: 22.61 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion: 63 Resp: 31917
 Ion Ratio Lower Upper
 63 100
 65 25.9 24.6 36.8

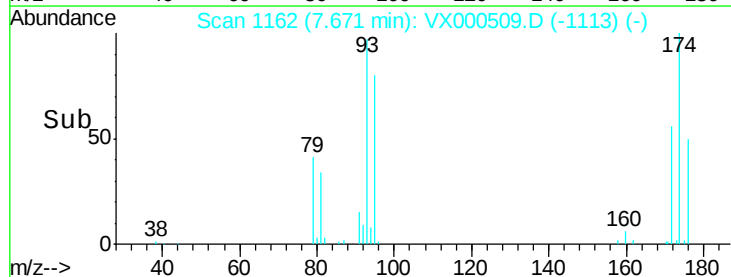
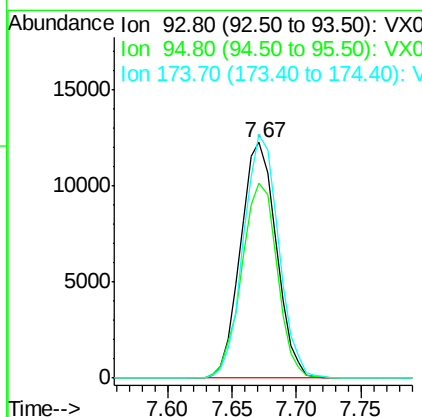
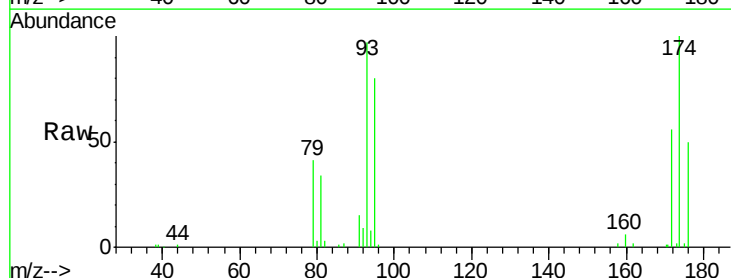
Manual Integrations
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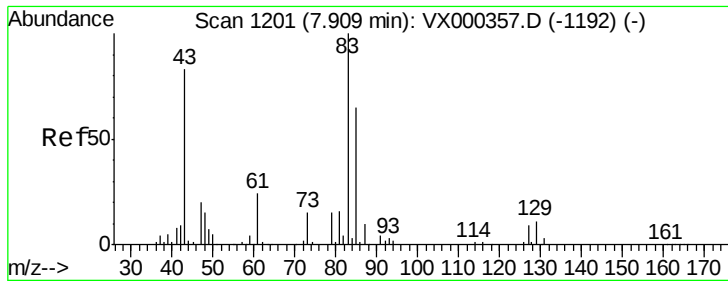
sam
 3/30/2018 4:10:21 PM



#46
 Dibromomethane
 Concen: 21.34 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Tgt Ion: 93 Resp: 23644
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.5 99.7
 174 100.9 76.0 114.0





#47

Bromodichloromethane

Concen: 21.91 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

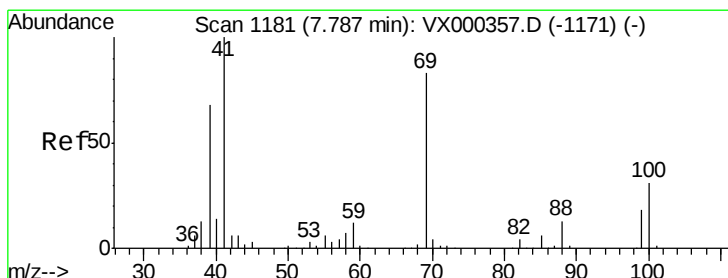
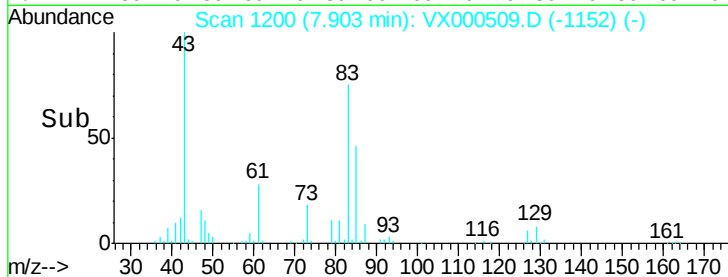
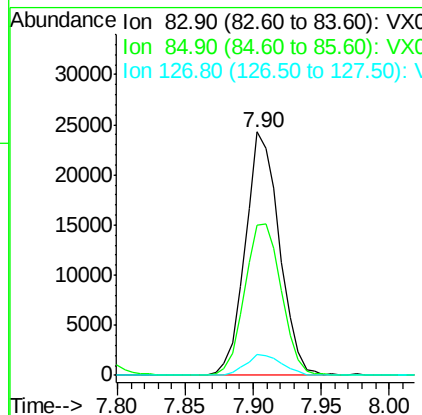
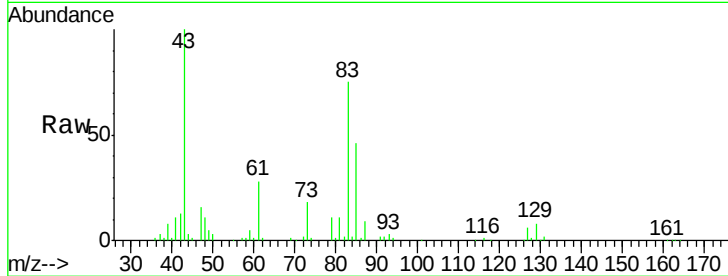
ClientSampleId :

VX0329WBS01

Tot Ion:	83	Resp:	42698
Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.0
127	8.3	7.0	10.6

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 22.09 ug/l

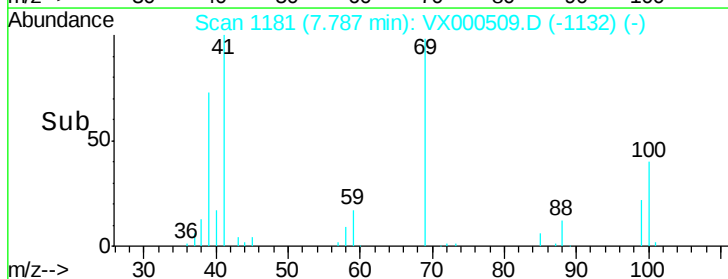
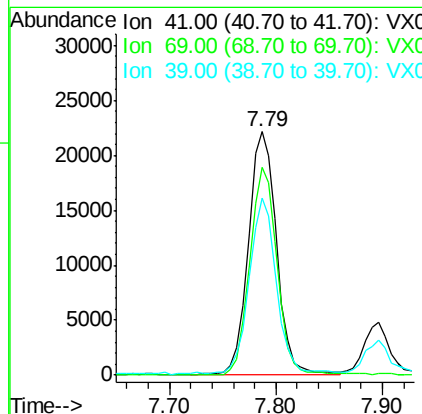
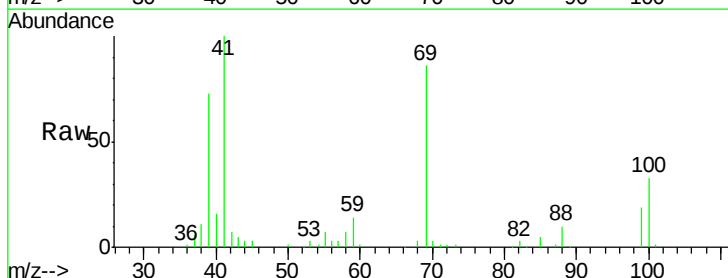
RT: 7.79 min Scan# 1181

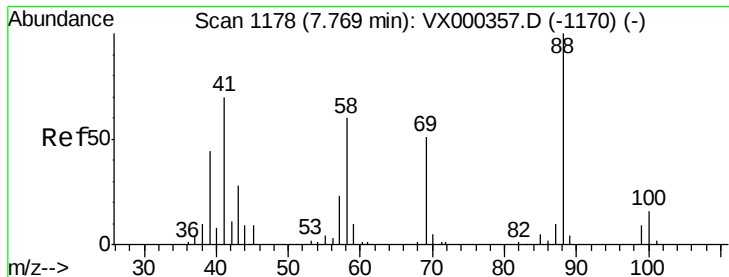
Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Tgt Ion:	41	Resp:	41400
Ion	Ratio	Lower	Upper
41	100		
69	82.1	68.2	102.4
39	69.4	54.6	81.8





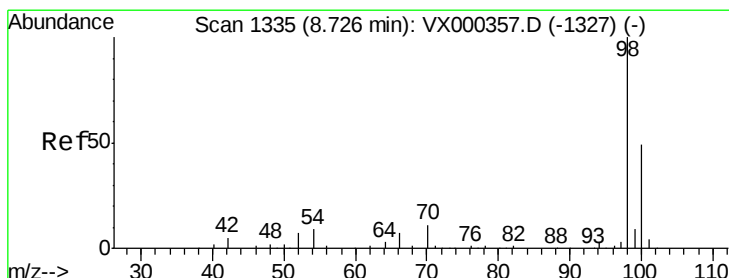
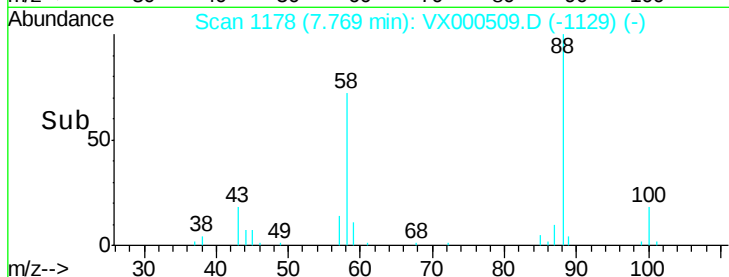
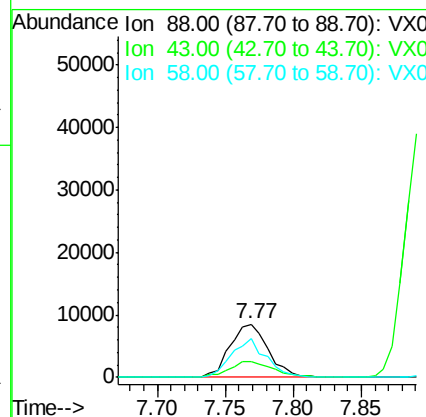
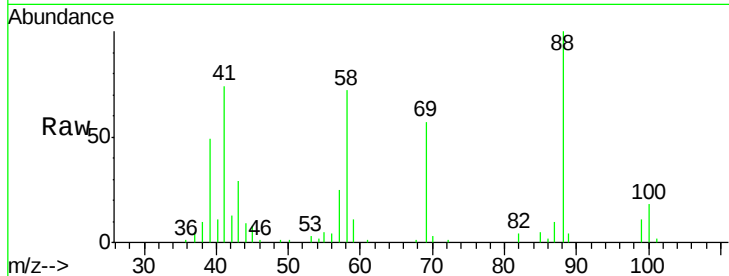
#49
 1,4-Dioxane
 Concen: 419.61 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	88	Resp	16532
Ion Ratio	Lower	Upper	
88	100		
43	34.8	26.8	40.2
58	67.0	52.2	78.2

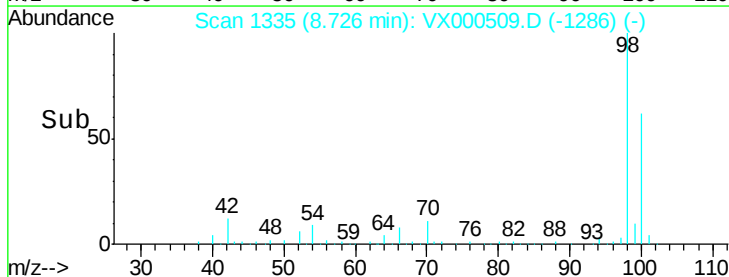
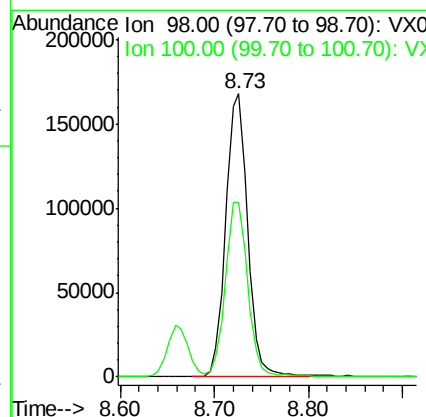
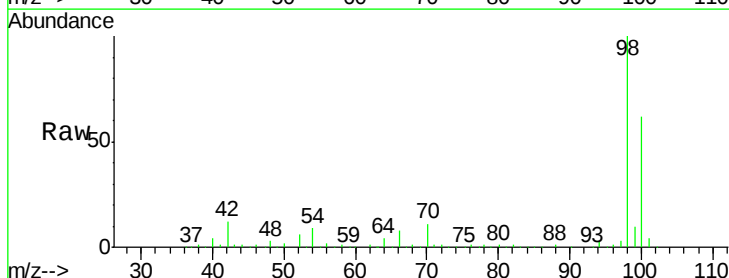
Manual Integrations
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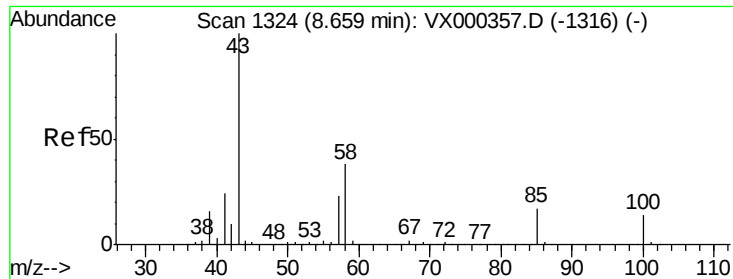
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#50
 Toluene-d8
 Concen: 51.52 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Tgt Ion	98	Resp	272507
Ion Ratio	Lower	Upper	
98	100		
100	63.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 110.78 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion: 43 Resp: 331040

Ion Ratio Lower Upper

43 100

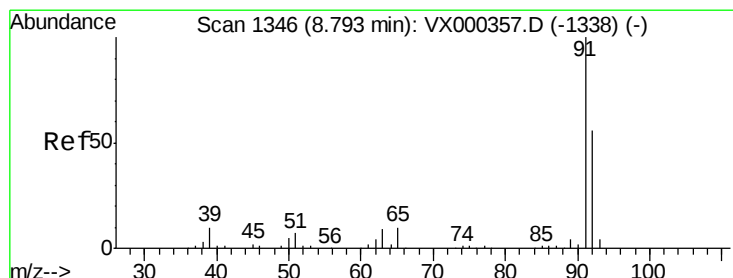
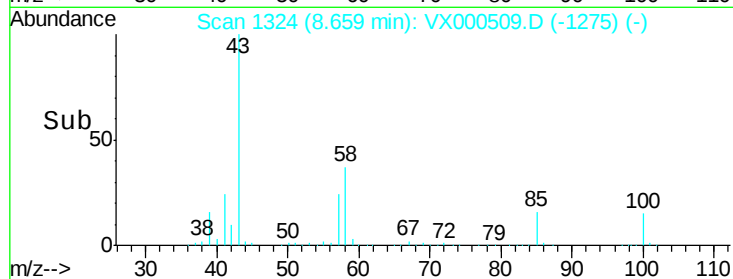
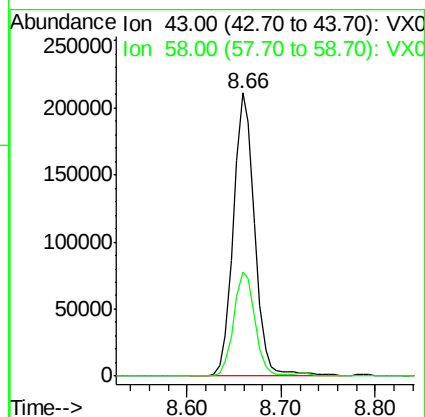
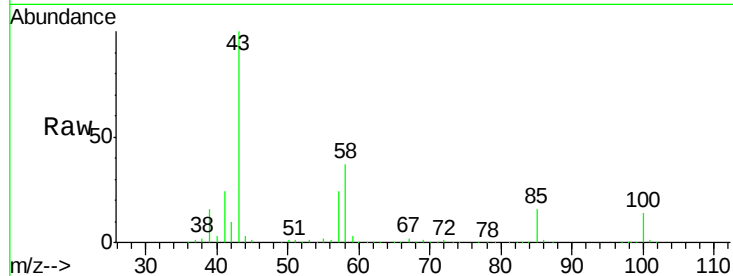
58 36.5 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 20.87 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000509.D

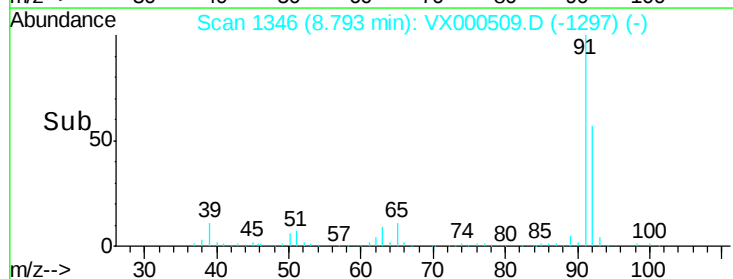
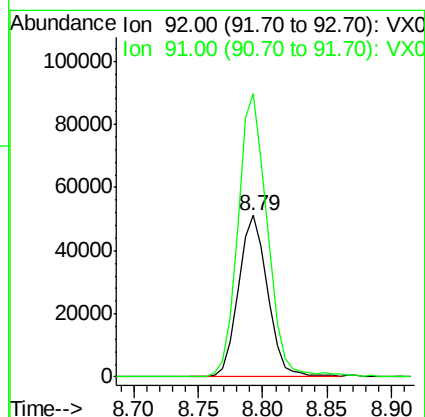
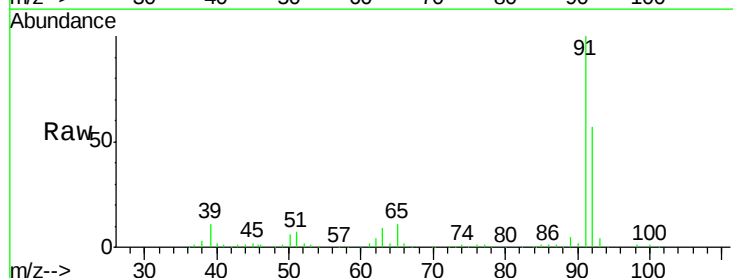
Acq: 29 Mar 2018 13:50

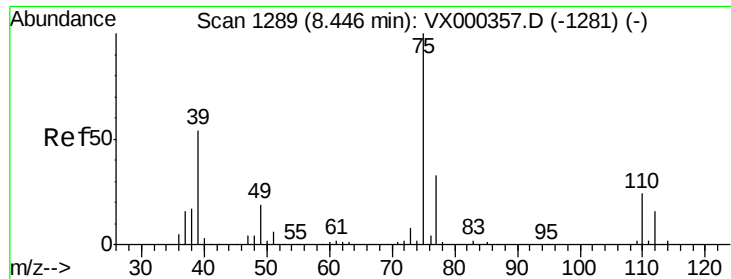
Tgt Ion: 92 Resp: 80463

Ion Ratio Lower Upper

92 100

91 177.7 140.2 210.2





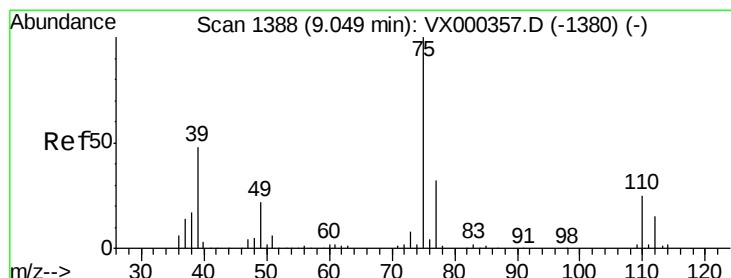
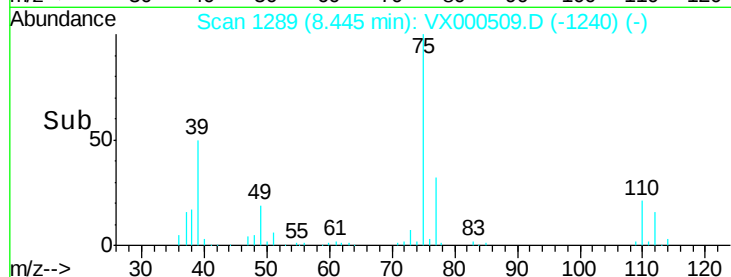
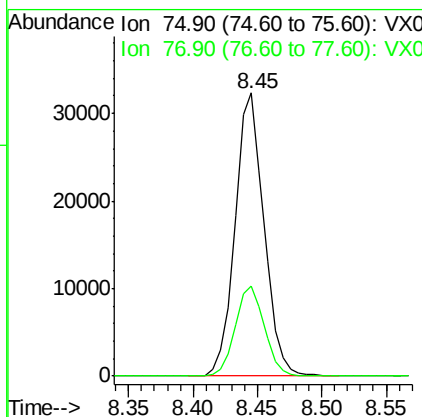
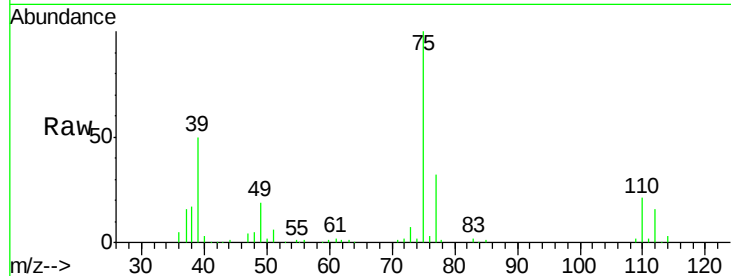
#53
 t-1,3-Dichloropropene
 Concen: 22.28 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion: 75 Resp: 50314
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.0 36.0

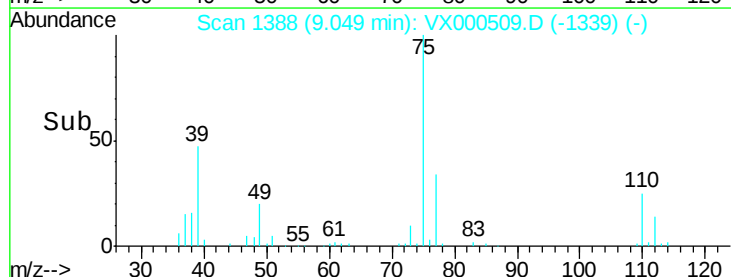
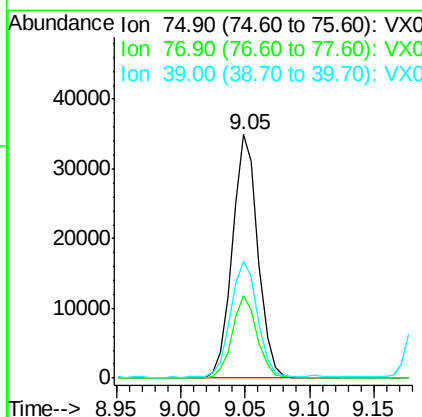
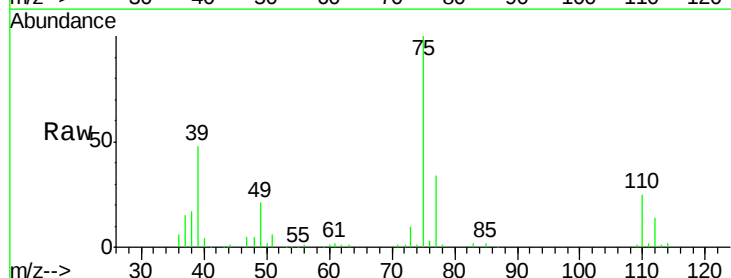
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sam
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#54
 cis-1,3-Dichloropropene
 Concen: 22.03 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Tgt Ion: 75 Resp: 48274
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.1 39.1
 39 47.3 39.8 59.6





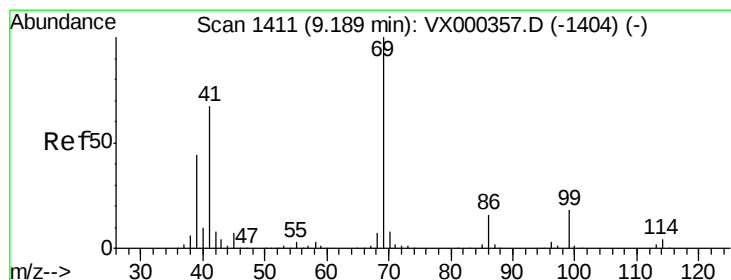
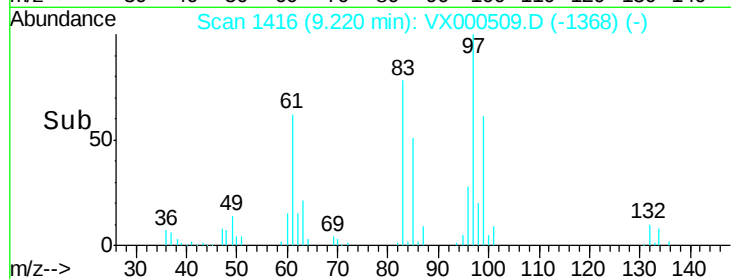
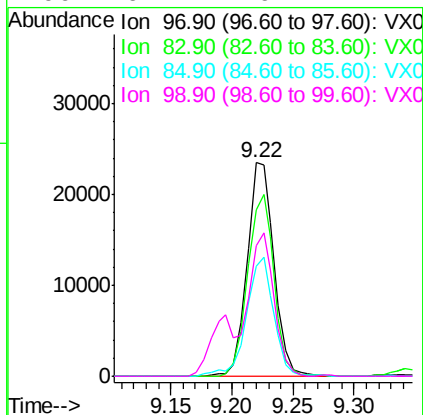
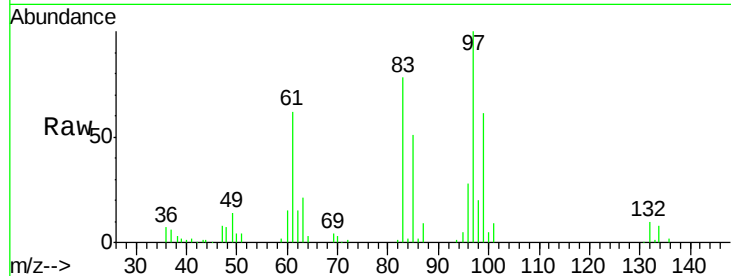
#55
 1,1,2-Trichloroethane
 Concen: 22.62 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion:	97	Resp:	35855
Ion Ratio	Lower	Upper	
97	100		
83	78.1	67.9	101.9
85	51.4	42.8	64.2
99	61.4	49.4	74.2

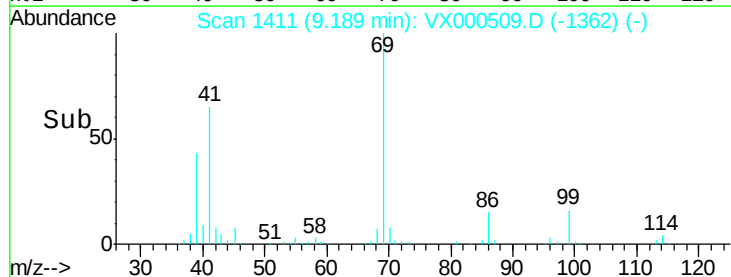
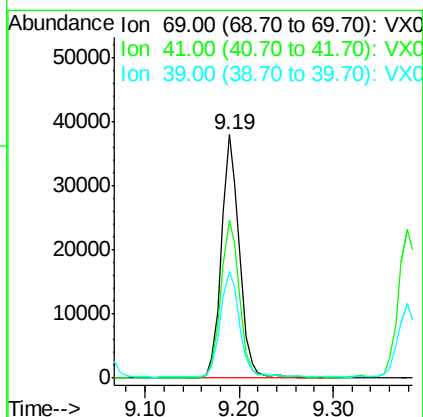
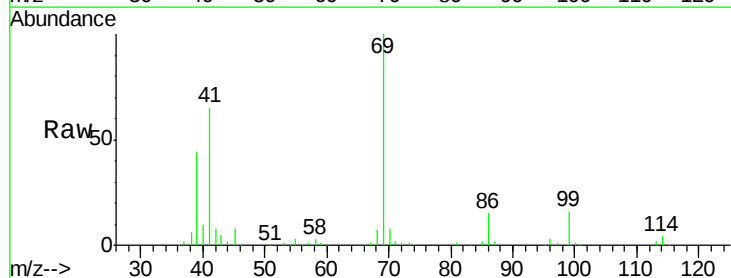
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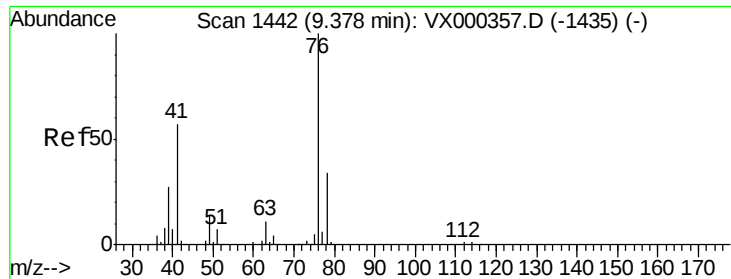
sam
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#56
 Ethyl methacrylate
 Concen: 20.98 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Tgt Ion:	69	Resp:	50393
Ion Ratio	Lower	Upper	
69	100		
41	67.4	53.0	79.6
39	46.0	35.3	52.9





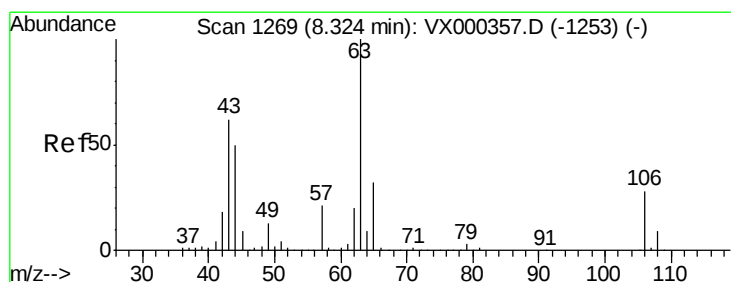
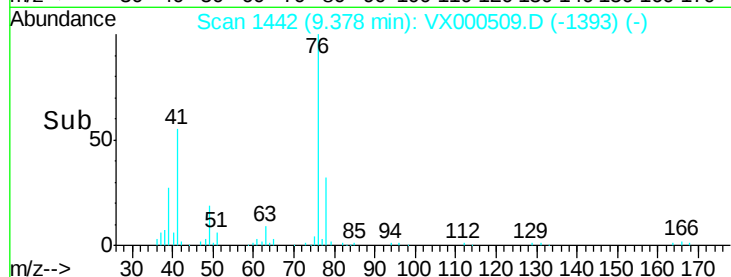
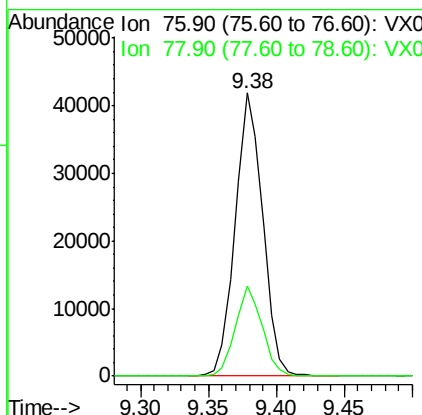
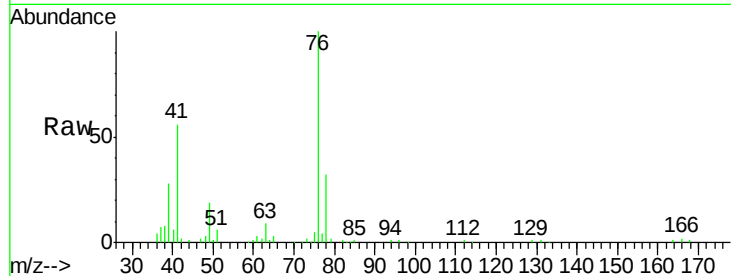
#57
 1,3-Dichloropropane
 Concen: 23.26 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion: 76 Resp: 58979
 Ion Ratio Lower Upper
 76 100
 78 30.8 26.4 39.6

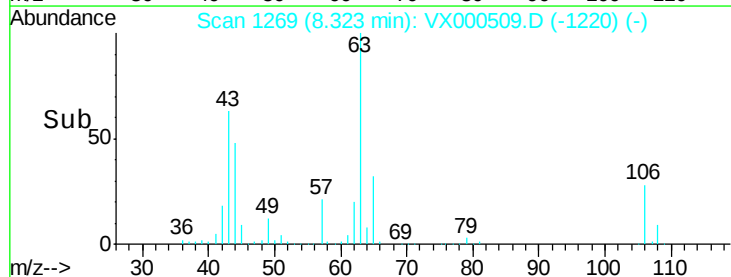
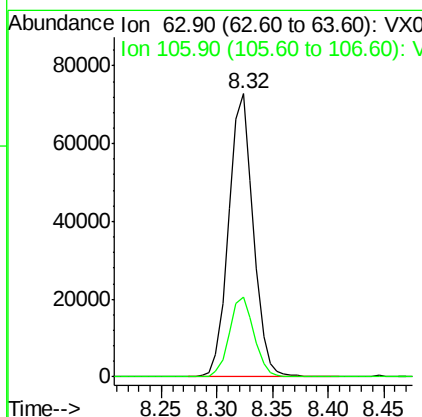
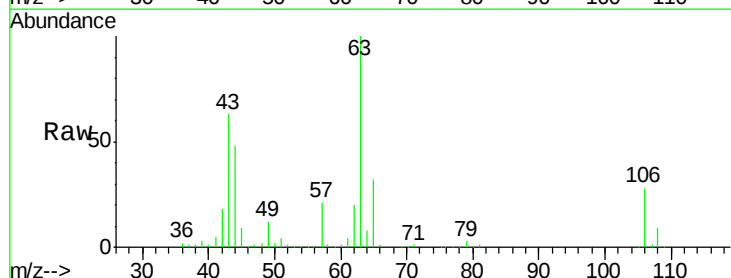
Manual Integrations
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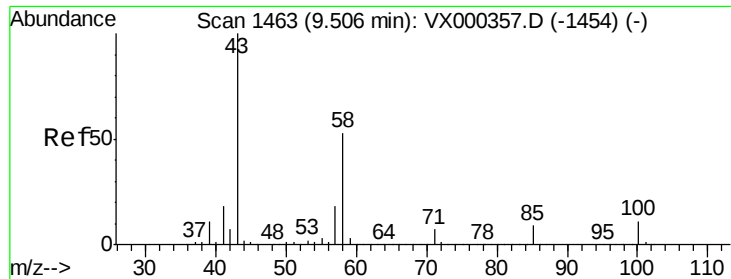
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 96.66 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Tgt Ion: 63 Resp: 111437
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.2 34.8





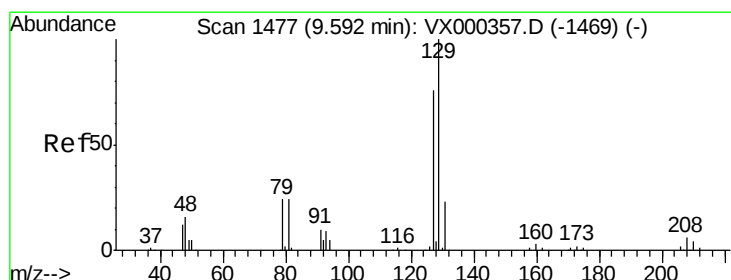
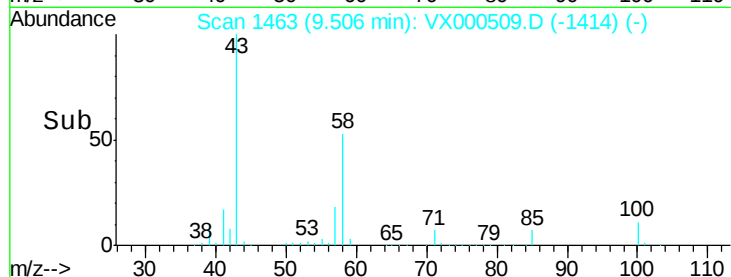
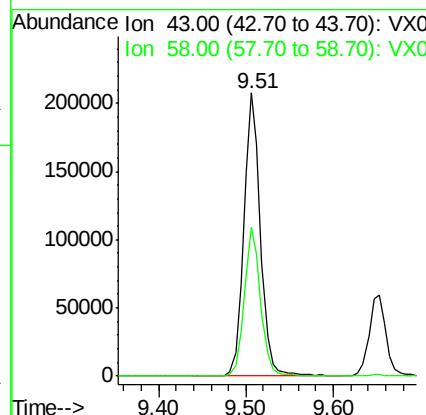
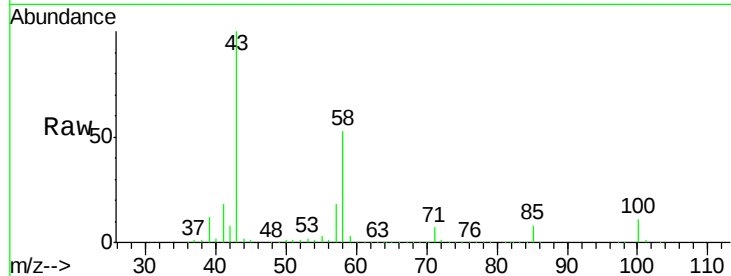
#59
2-Hexanone
Concen: 108.87 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion: 43 Resp: 276250
Ion Ratio Lower Upper
43 100
58 52.0 26.6 79.7

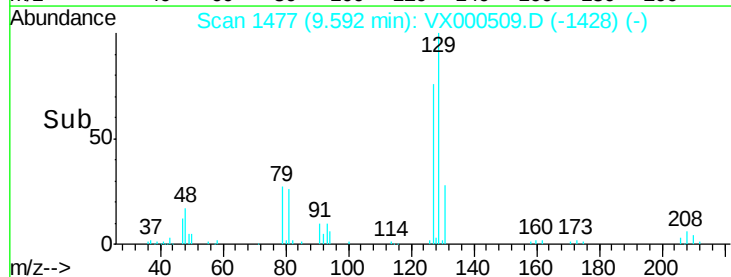
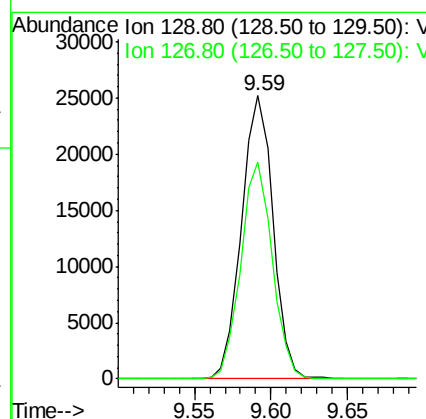
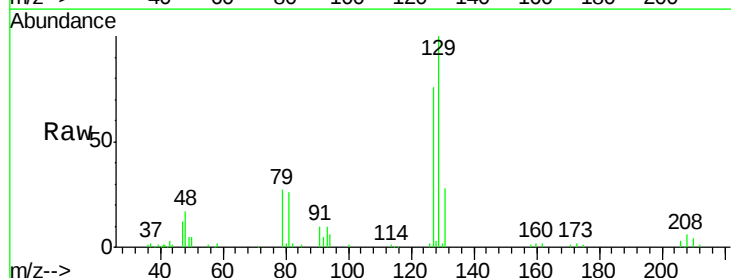
Manual Integrations
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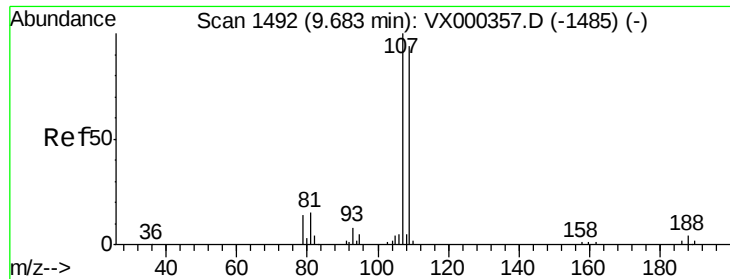
sam
3/30/2018 4:10:21 PM



#60
Dibromochloromethane
Concen: 21.78 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion:129 Resp: 36109
Ion Ratio Lower Upper
129 100
127 76.2 37.9 113.6





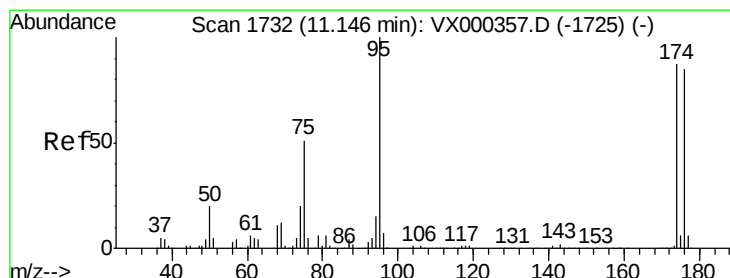
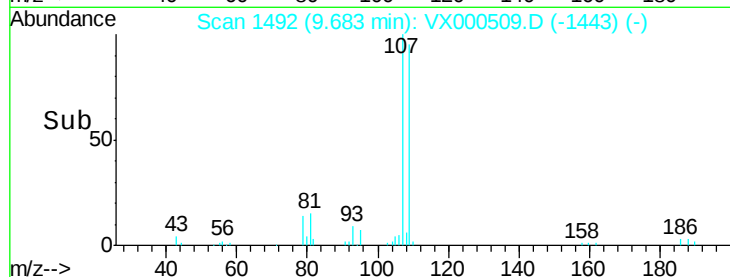
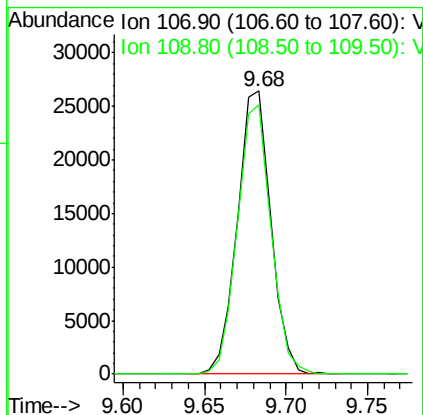
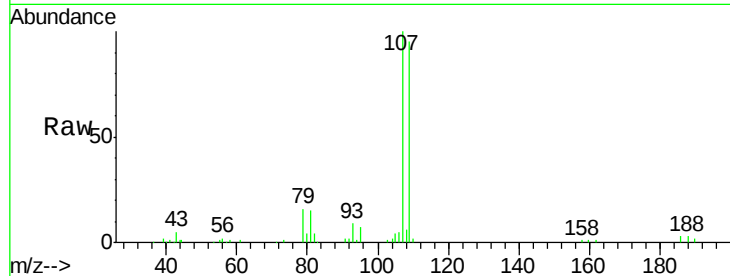
#61
 1,2-Dibromoethane
 Concen: 22.30 ug/l
 RT: 9.68 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion:107 Resp: 37915
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.1 114.1

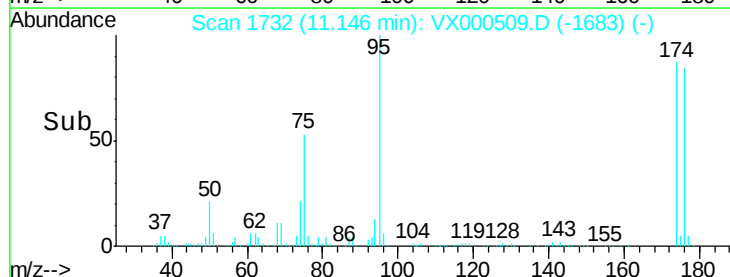
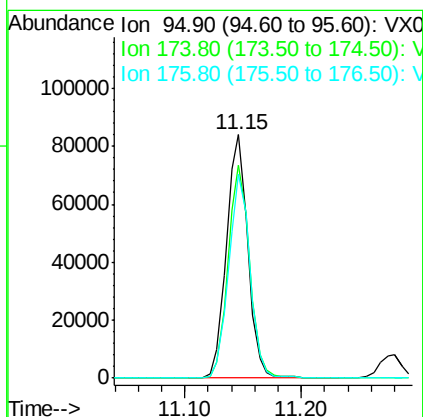
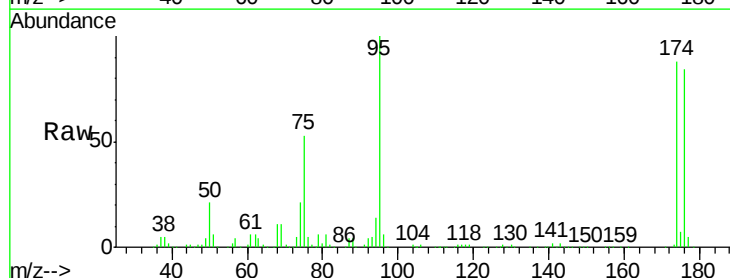
Manual Integrations
 APPROVED

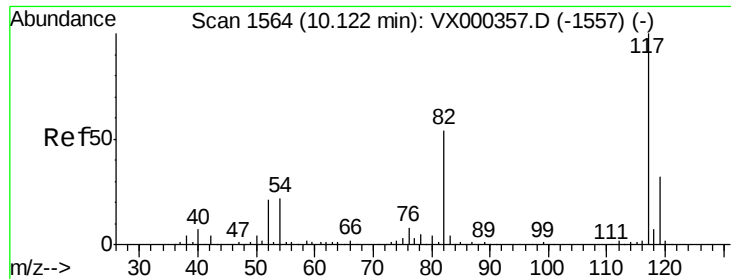
Sam
 3/30/2018 4:10:21 PM



#62
 4-Bromofluorobenzene
 Concen: 48.04 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Tgt Ion: 95 Resp: 106771
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 173.6
 176 84.3 0.0 164.6





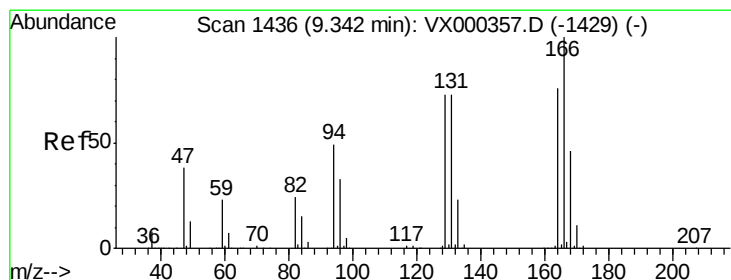
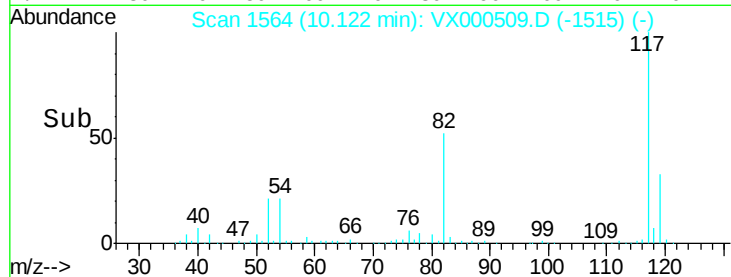
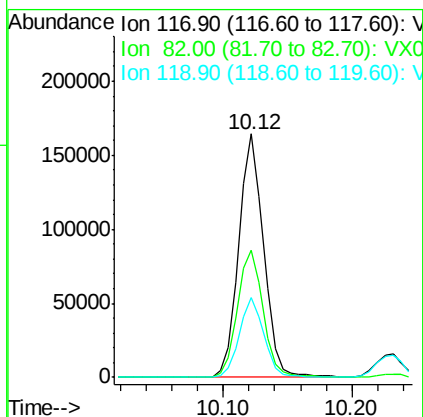
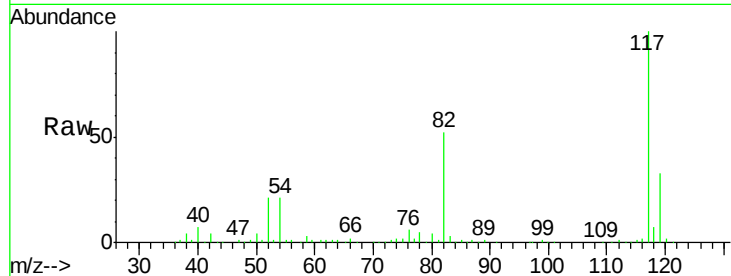
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	43.8	65.8
119	32.6	24.9	37.3

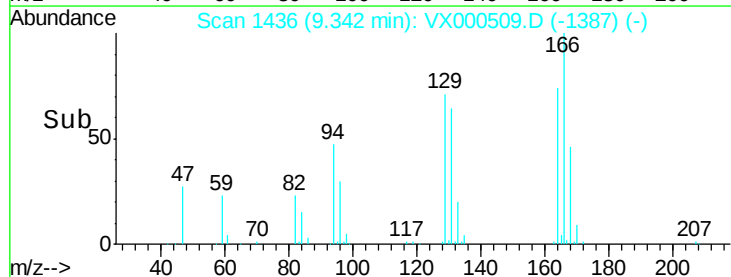
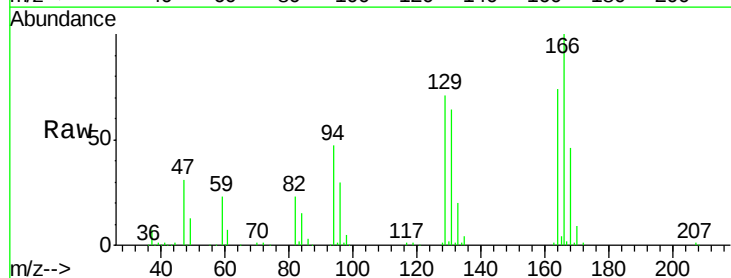
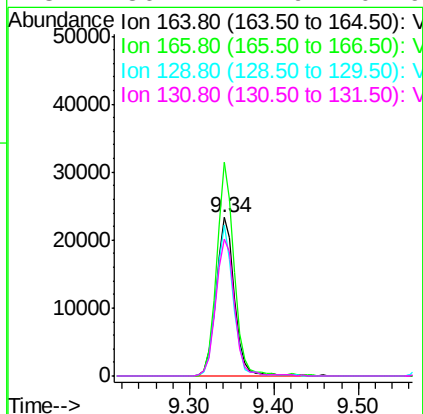
Manual Integrations
APPROVED

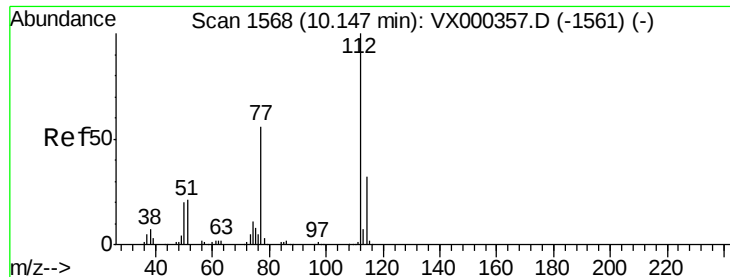
sam
3/30/2018 4:10:21 PM



#64
Tetrachloroethene
Concen: 20.55 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.7	101.0	151.6
129	95.2	79.0	118.4
131	86.4	71.9	107.9





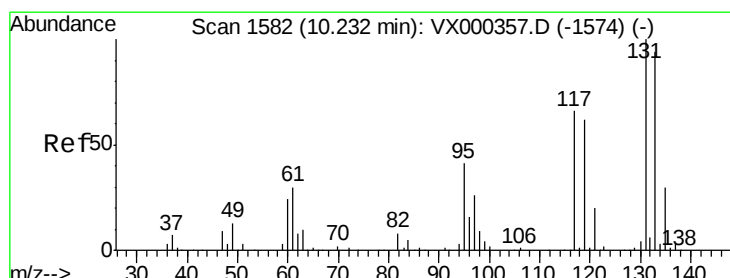
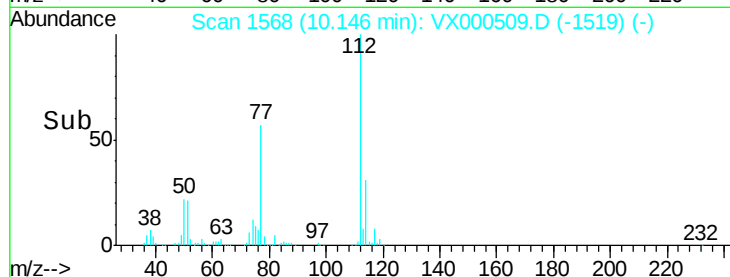
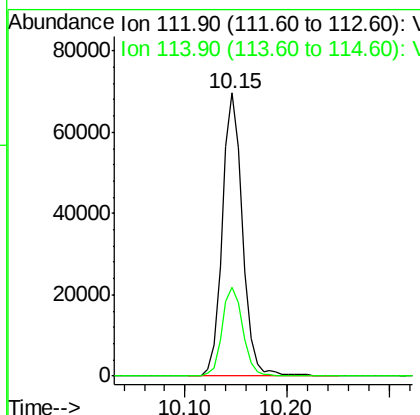
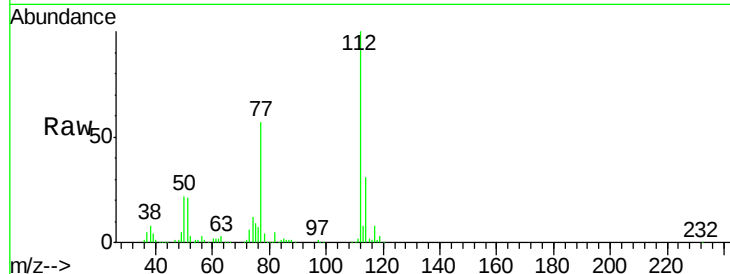
#65
Chlorobenzene
Concen: 19.57 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion:112 Resp: 96104
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5

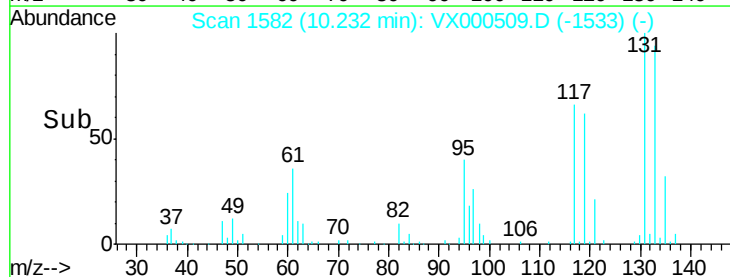
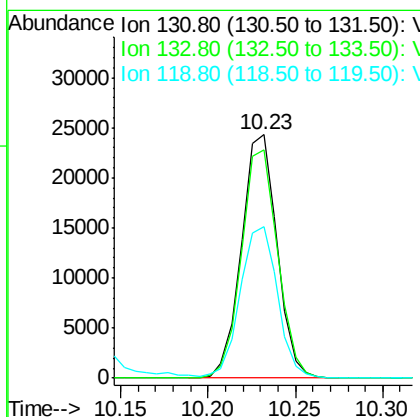
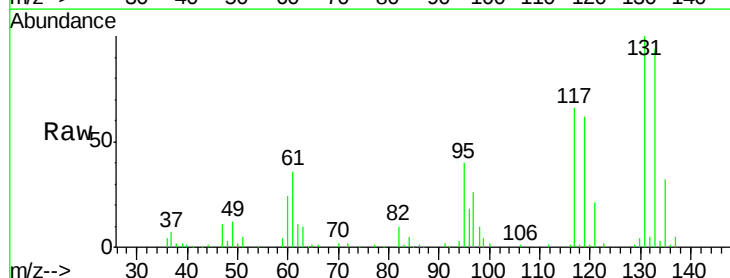
Manual Integrations
APPROVED

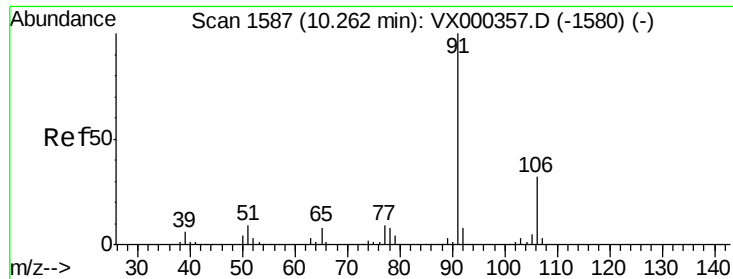
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.59 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion:131 Resp: 34338
Ion Ratio Lower Upper
131 100
133 95.8 47.1 141.3
119 65.3 33.1 99.2





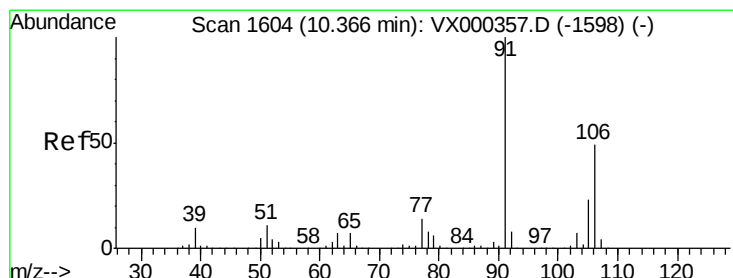
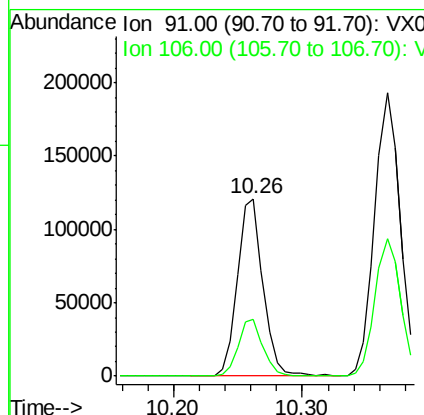
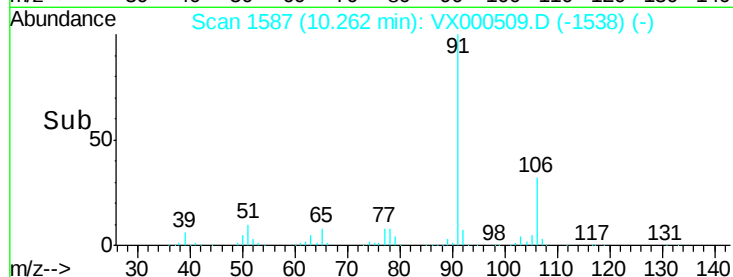
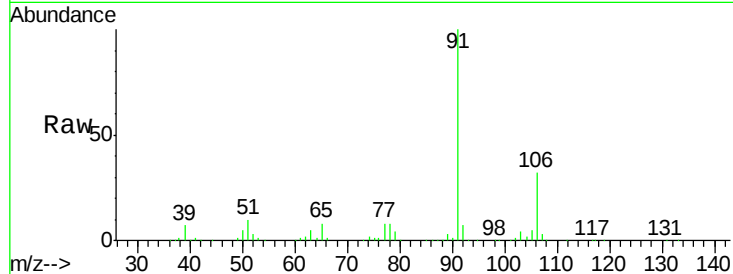
#67
Ethyl Benzene
Concen: 20.08 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion: 91 Resp: 167160
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.6

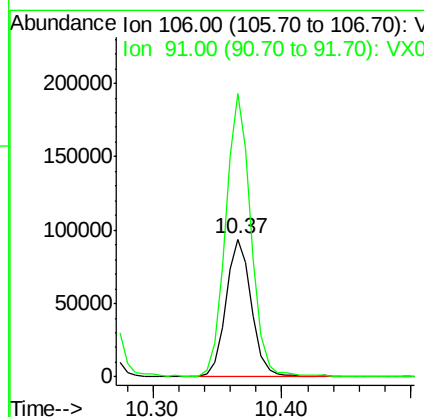
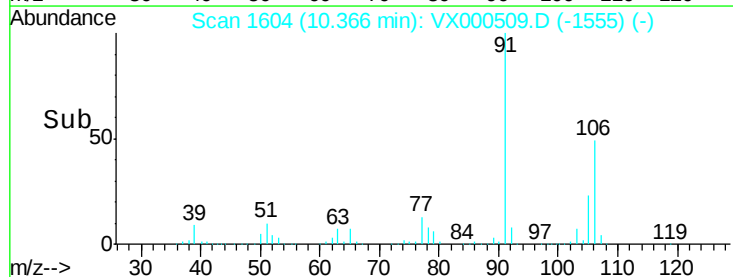
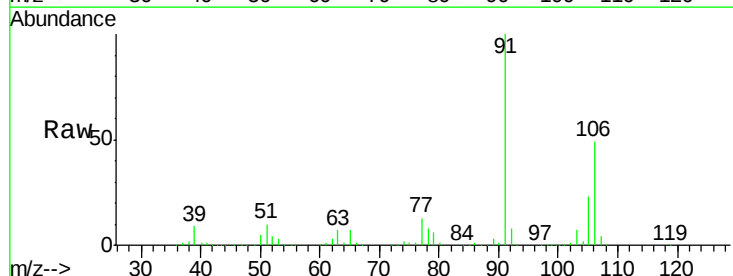
Manual Integrations
APPROVED

sam
3/30/2018 4:10:21 PM



#68
m/p-Xylenes
Concen: 39.83 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion: 106 Resp: 130470
Ion Ratio Lower Upper
106 100
91 205.5 163.4 245.2





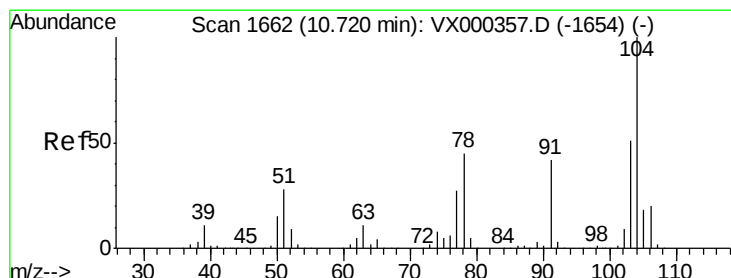
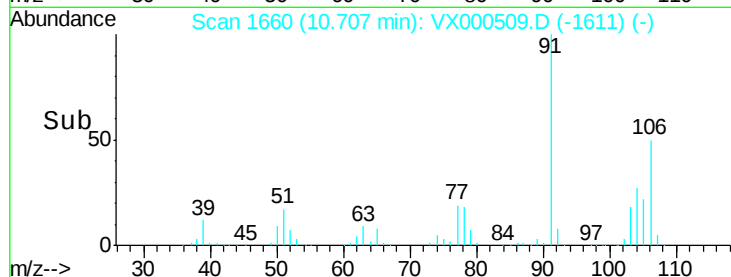
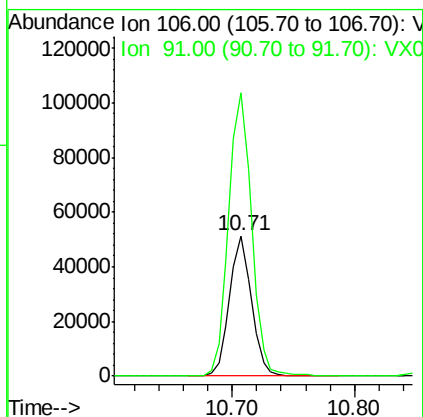
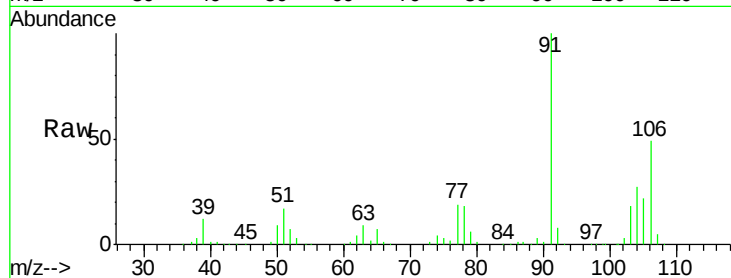
#69
o-Xylene
Concen: 20.14 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion:106 Resp: 63861
Ion Ratio Lower Upper
106 100
91 210.9 106.5 319.6

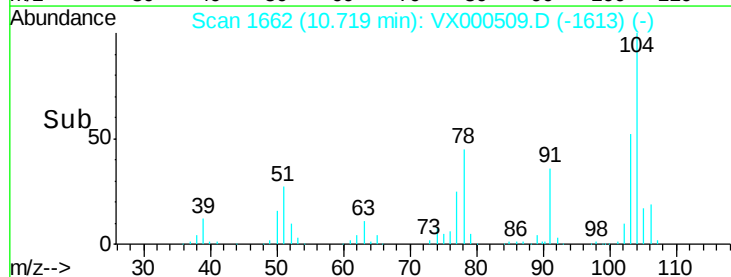
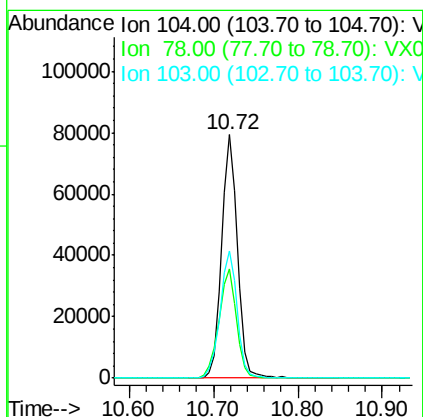
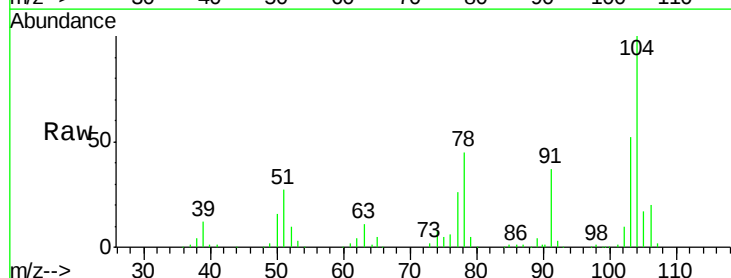
Manual Integrations
APPROVED

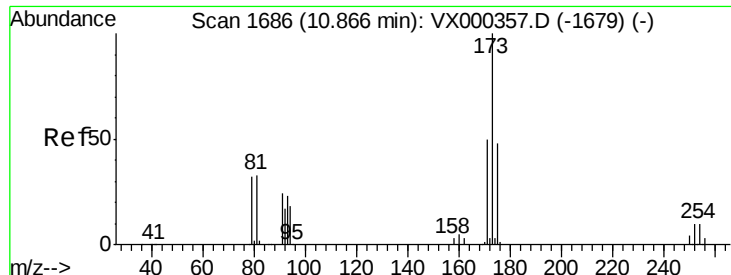
sam
3/30/2018 4:10:21 PM



#70
Styrene
Concen: 19.82 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion:104 Resp: 103987
Ion Ratio Lower Upper
104 100
78 49.8 40.5 60.7
103 56.7 45.7 68.5





#71

Bromoform

Concen: 19.39 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion:173 Resp: 28092

Ion Ratio Lower Upper

173 100

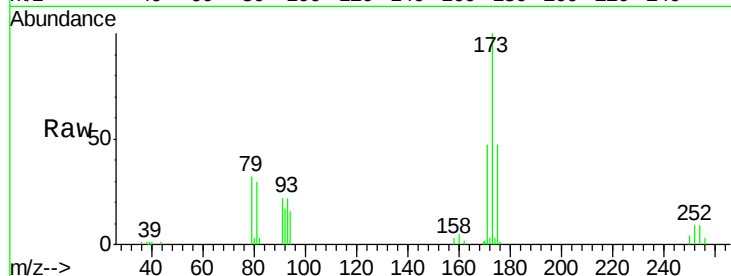
175 48.4 25.4 76.4

254 0.0 0.0 0.0

Manual Integrations
APPROVED

sam

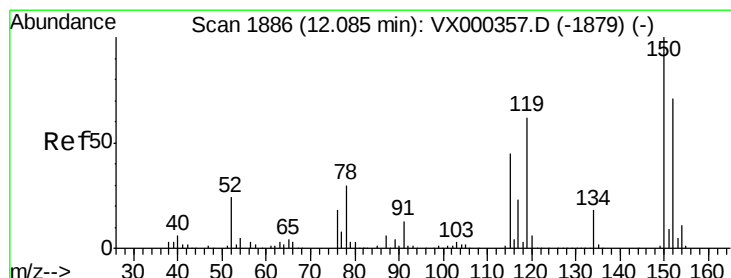
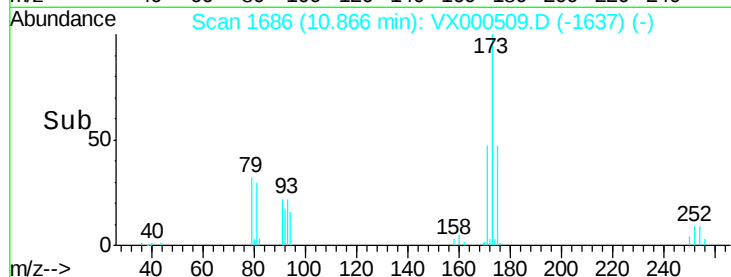
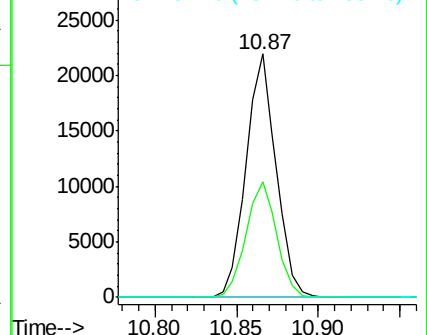
3/30/2018 4:10:21 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

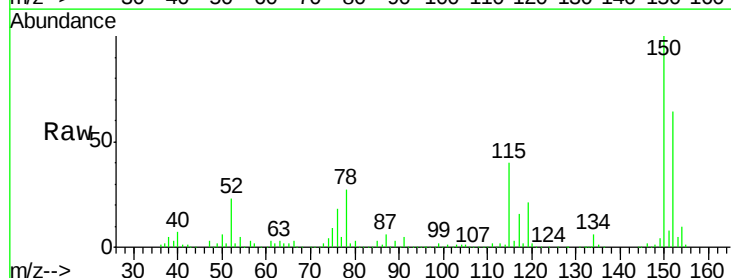
Tgt Ion:152 Resp: 124919

Ion Ratio Lower Upper

152 100

115 68.4 39.8 119.3

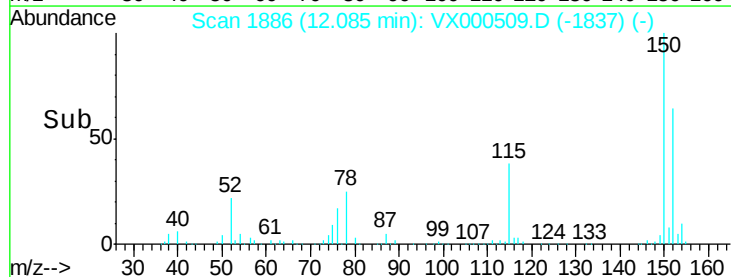
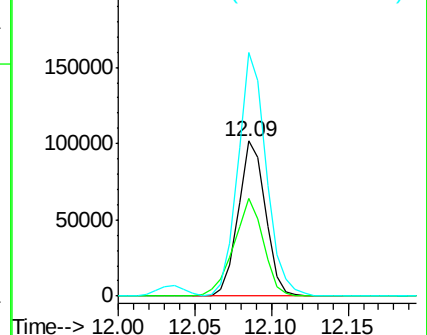
150 163.5 0.0 344.4

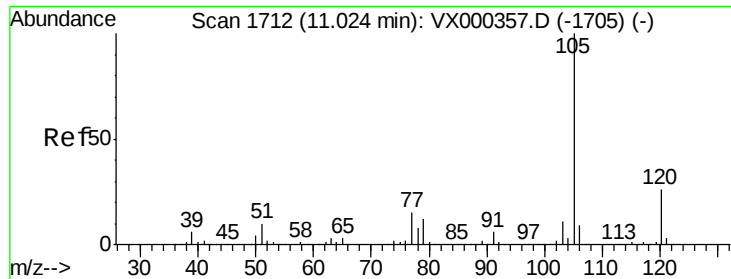


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.87 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS01

Tot Ion:105 Resp: 172743

Ion Ratio Lower Upper

105 100

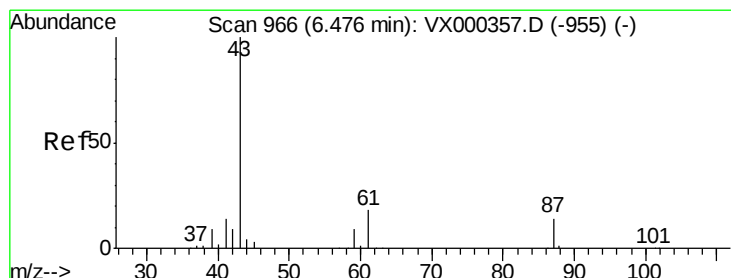
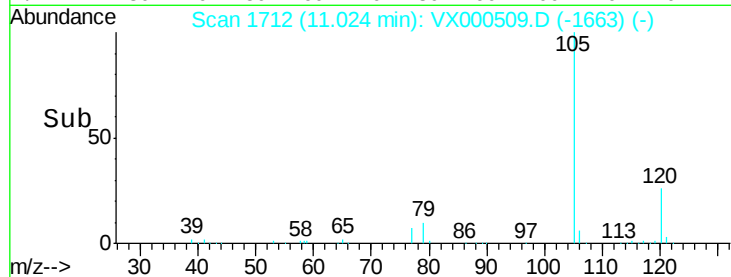
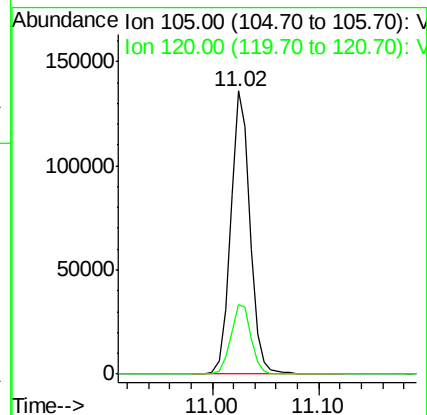
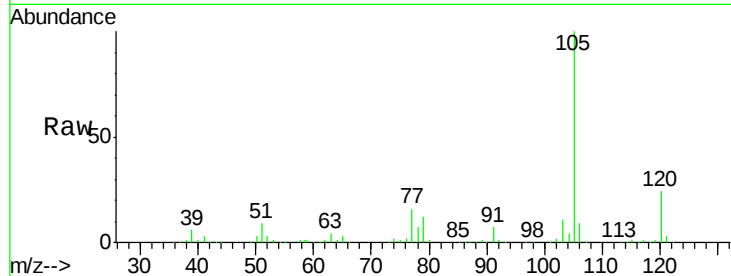
120 26.0 13.6 40.7

Manual Integrations

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sam

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#74

N-ethyl acetate

Concen: 20.16 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Tgt Ion: 43 Resp: 79818

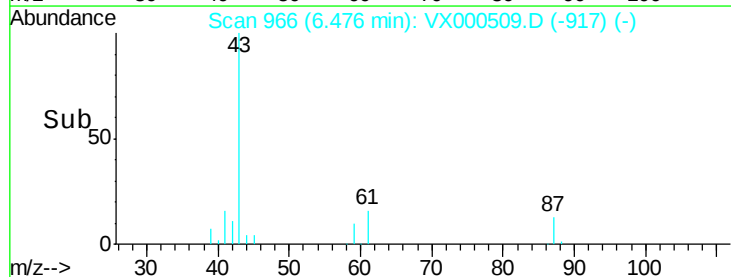
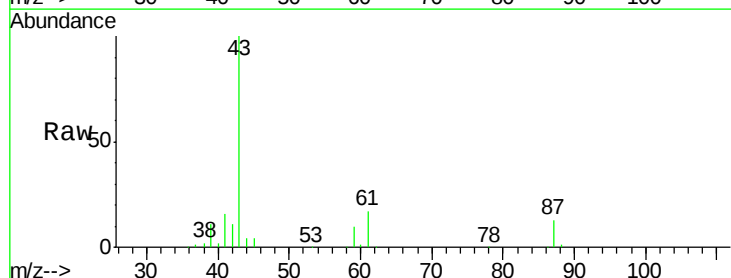
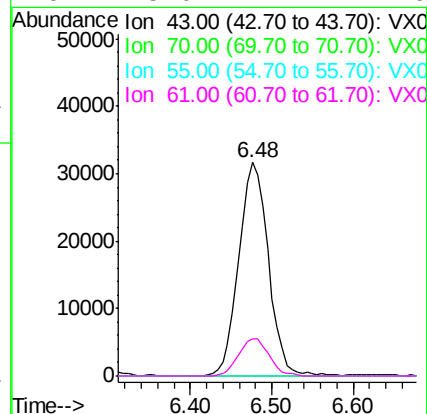
Ion Ratio Lower Upper

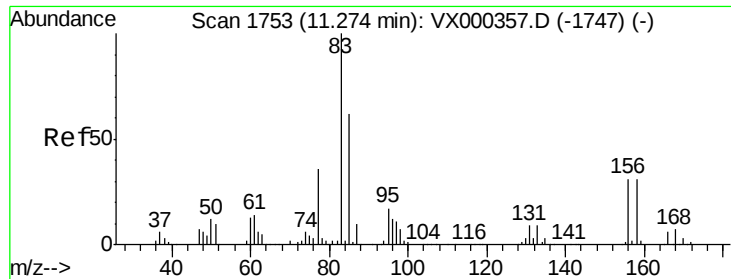
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.89 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

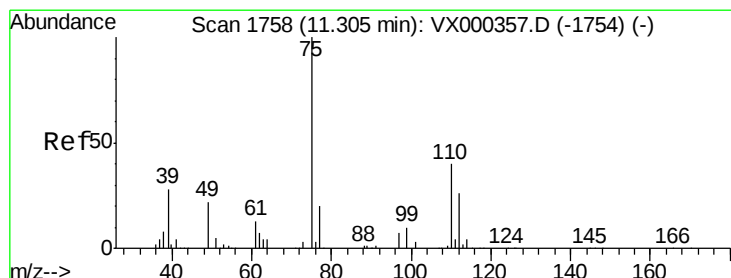
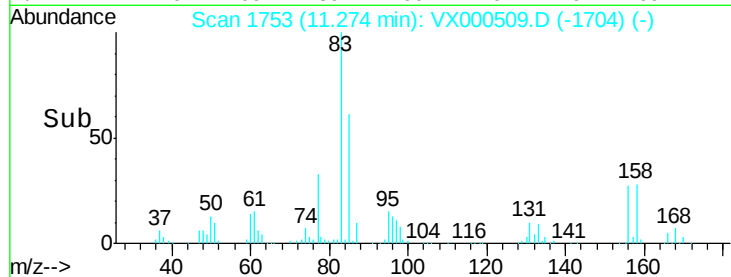
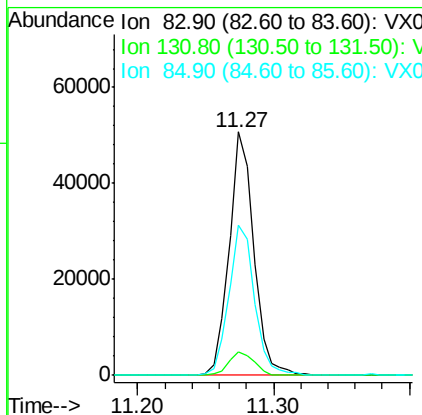
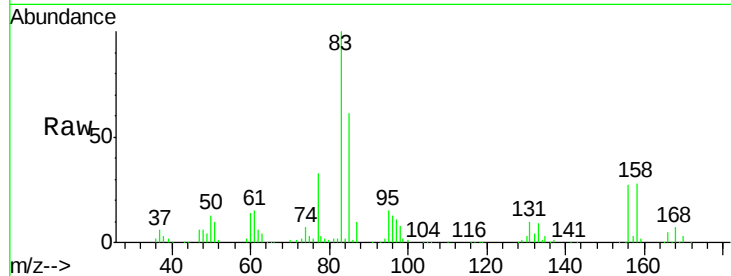
ClientSampleId :

VX0329WBS01

Tot Ion	83	Resp	64080
Ion Ratio	100	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.3	32.5	97.5

Manual Integrations
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sam
3/30/2018 4:10:21 PM



#76

1,2,3-Trichloropropane

Concen: 21.49 ug/l m

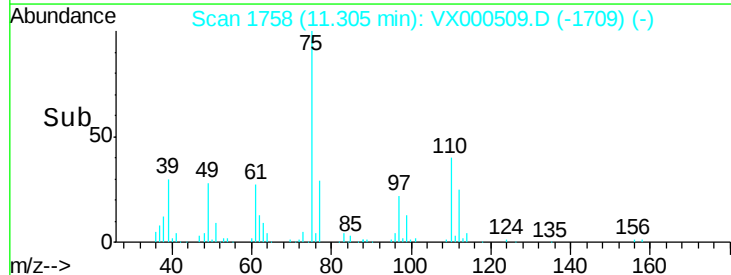
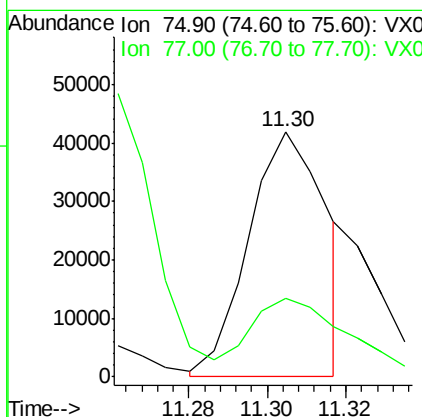
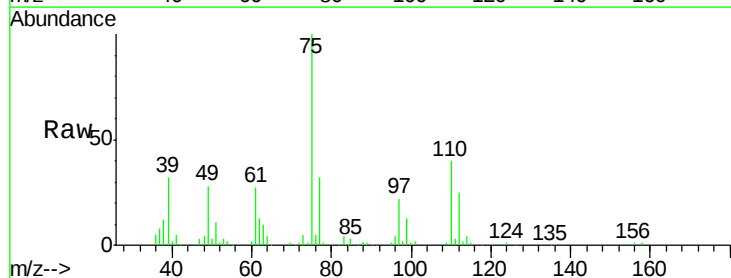
RT: 11.30 min Scan# 1758

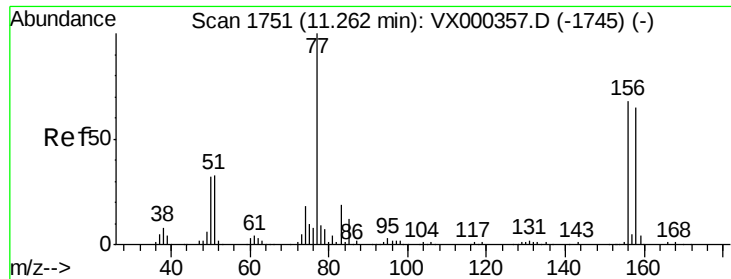
Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Tgt Ion	75	Resp	57705
Ion Ratio	100	Lower	Upper
75	100		
77	40.4	21.4	64.2





#77

Bromobenzene

Concen: 19.53 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

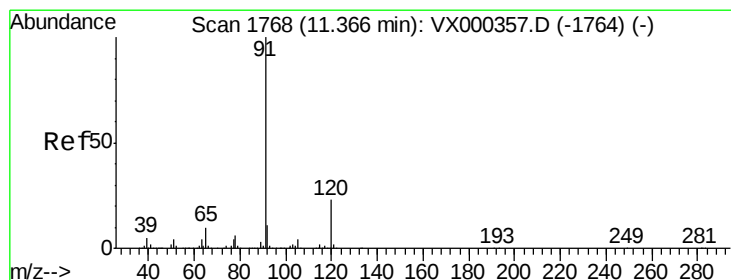
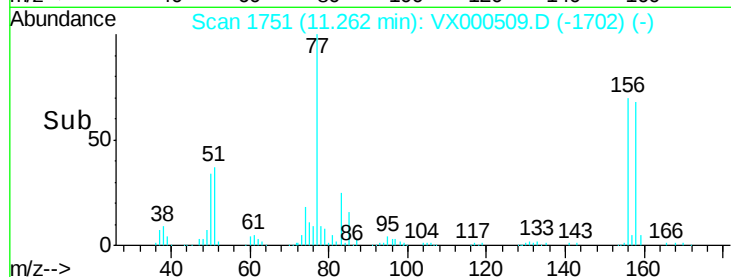
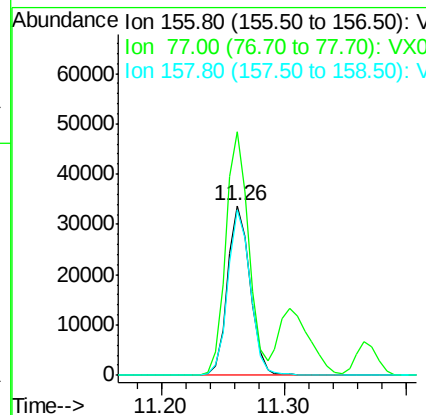
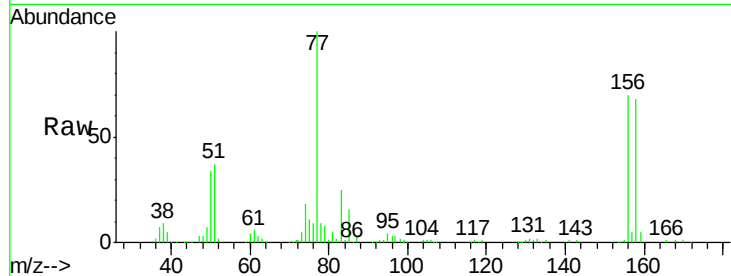
ClientSampleId :

VX0329WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		43063		
77	146.9	73.4	220.2		
158	96.9	48.5	145.6		

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sam
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#78

n-propylbenzene

Concen: 20.76 ug/l

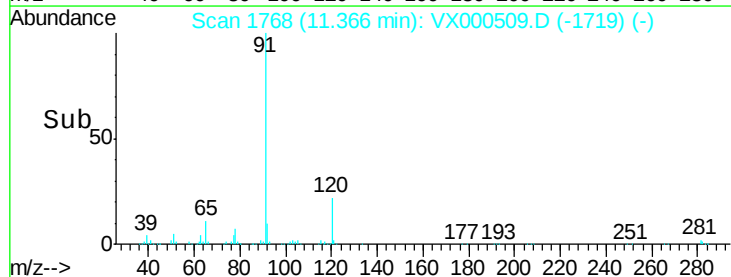
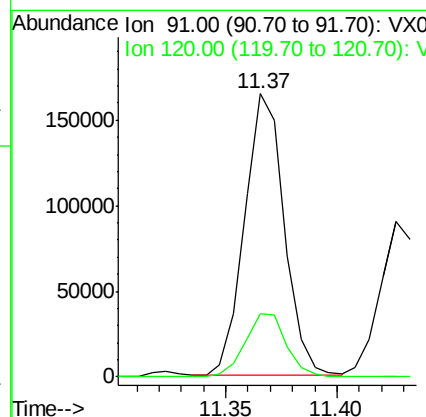
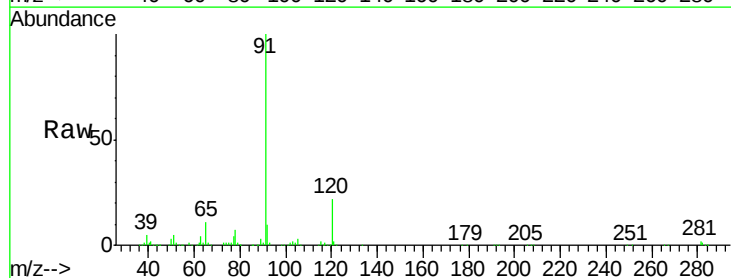
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		204893		
120	23.5	11.8	35.3		





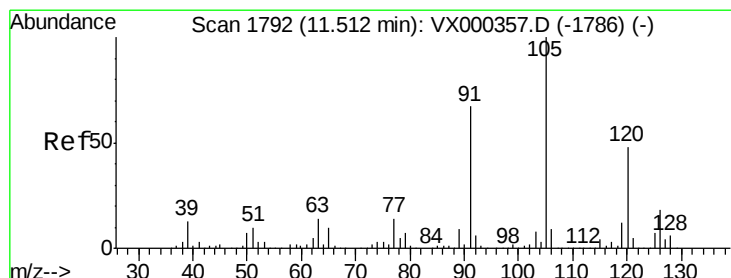
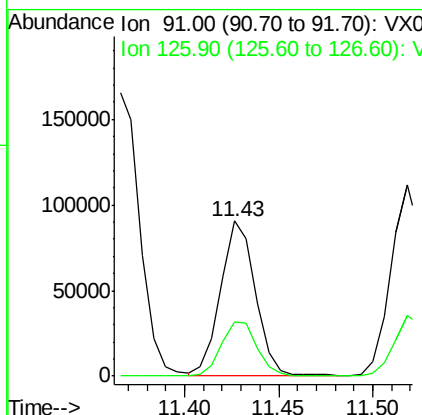
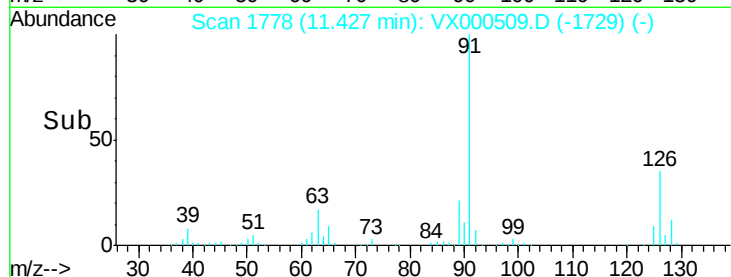
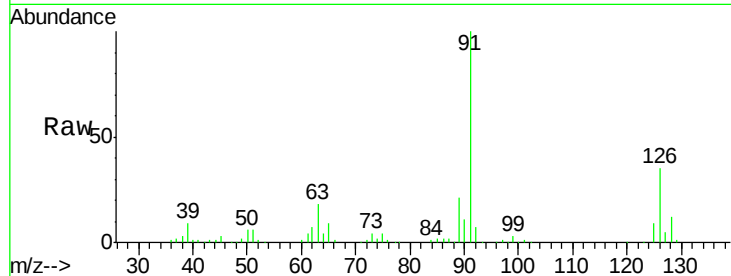
#79
2-Chlorotoluene
Concen: 20.14 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion: 91 Resp: 114833
Ion Ratio Lower Upper
91 100
126 36.7 17.7 53.1

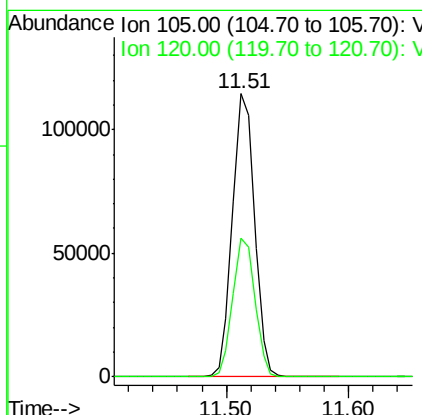
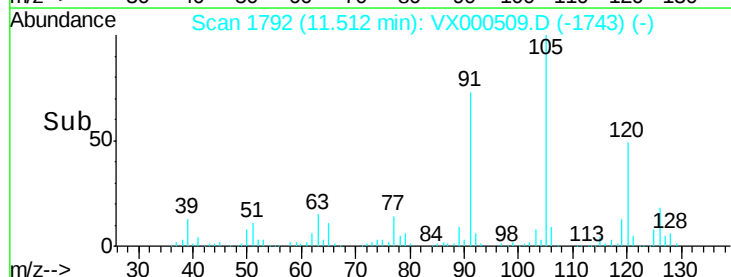
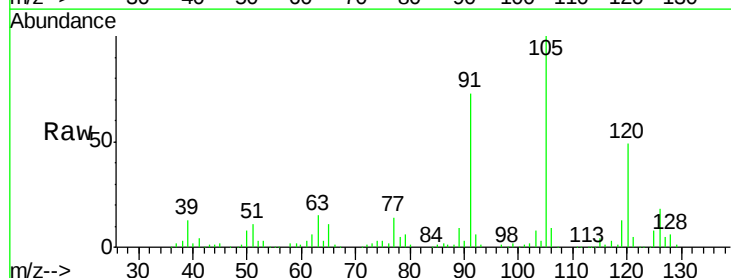
Manual Integrations
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#80
1,3,5-Trimethylbenzene
Concen: 20.55 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion: 105 Resp: 143021
Ion Ratio Lower Upper
105 100
120 49.4 24.1 72.4





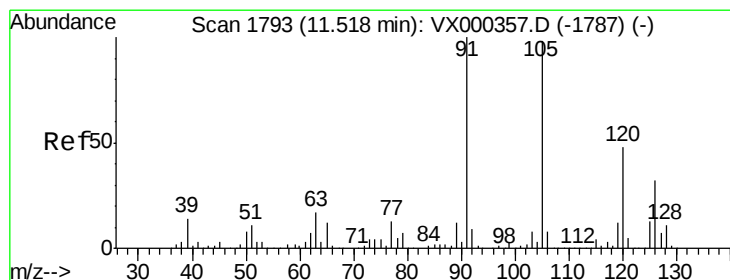
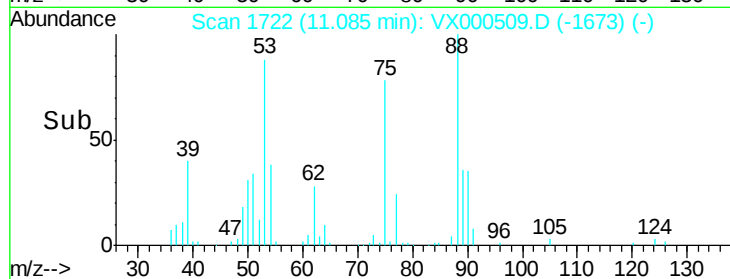
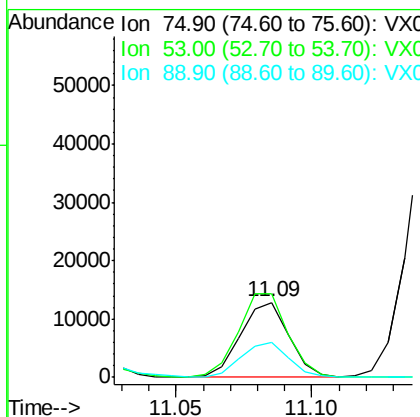
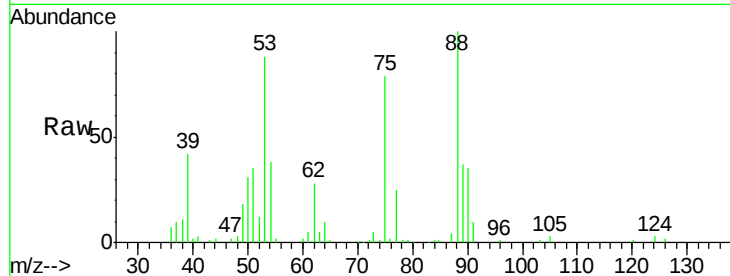
#81
trans-1,4-Dichloro-2-butene
Concen: 18.81 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.5	80.7	121.1
89	47.7	39.4	59.0

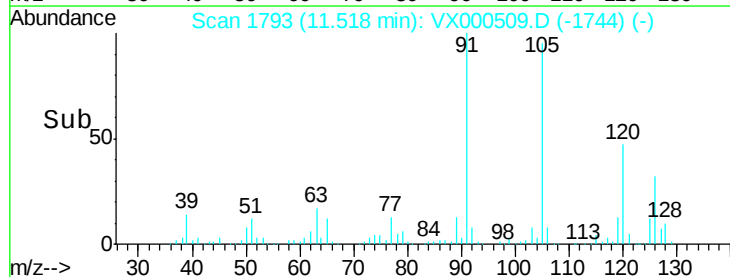
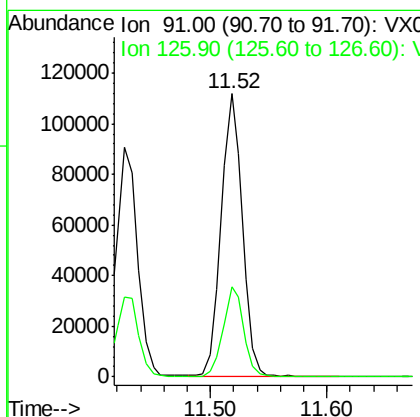
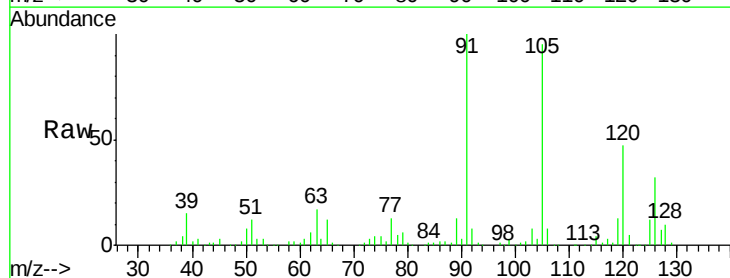
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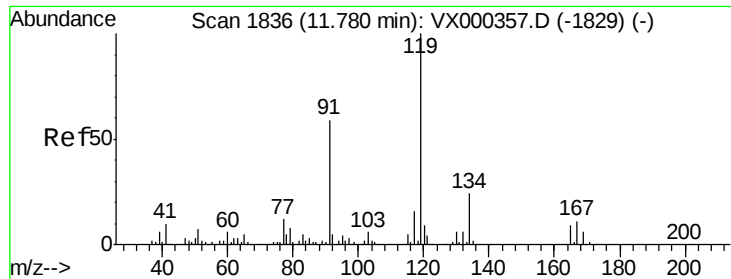
sam
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#82
4-Chlorotoluene
Concen: 20.68 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.4	46.1





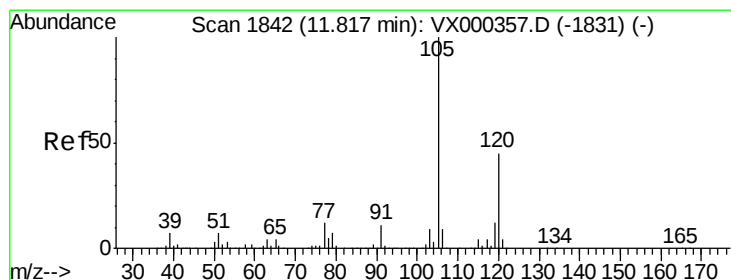
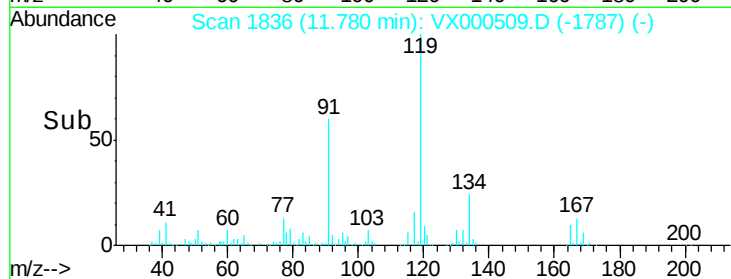
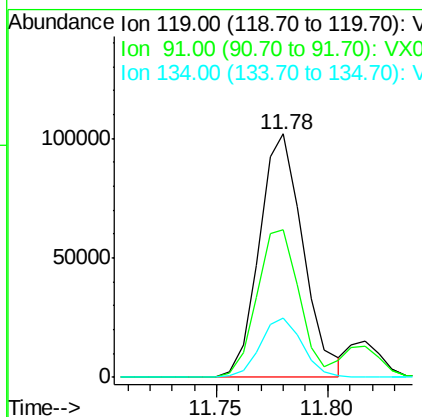
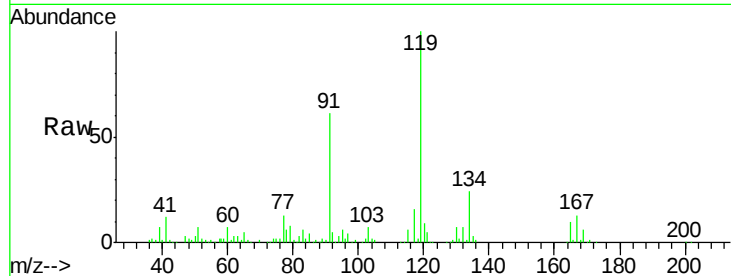
#83
 tert-Butylbenzene
 Concen: 19.87 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	139454		
91	58.7	28.8	86.4	
134	23.2	11.4	34.1	

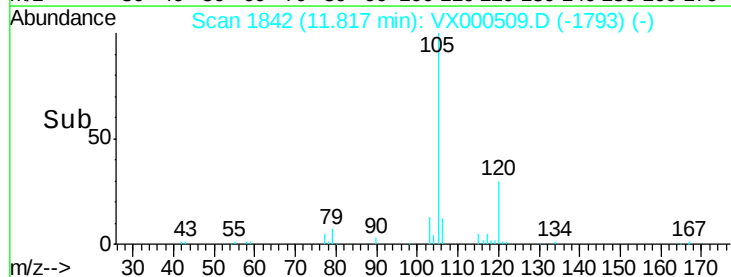
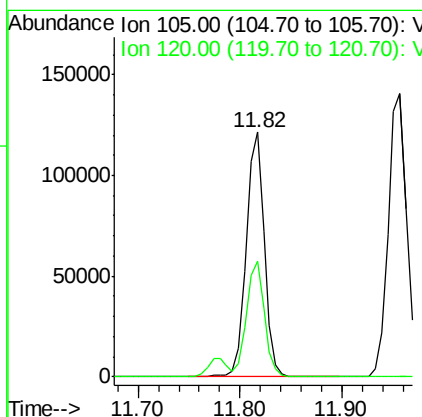
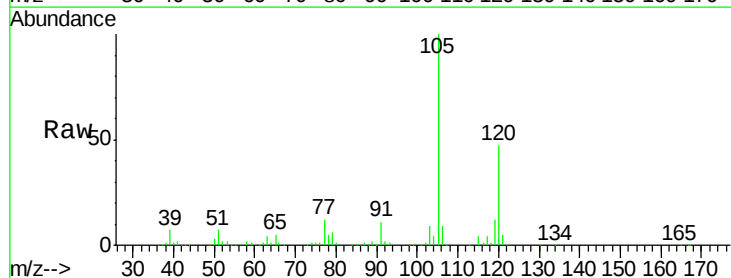
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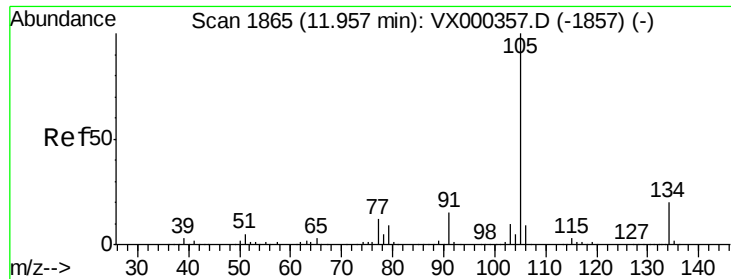
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.39 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	148790		
120	46.8	22.4	67.3	





#85

sec-Butylbenzene

Concen: 20.66 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

ClientSampled :

VX0329WBS01

Tot Ion:105 Resp: 179426

Ion Ratio Lower Upper

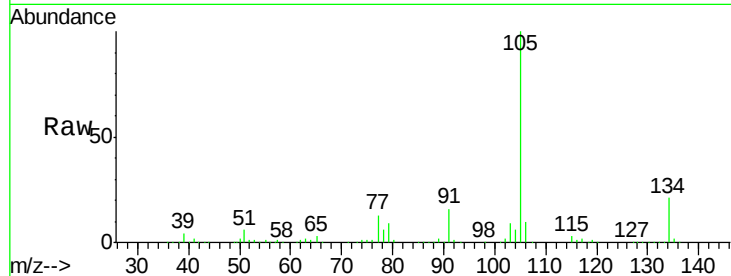
105 100

134 20.2 10.3 30.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.96

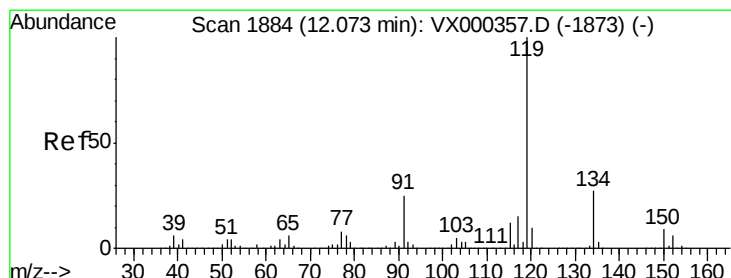
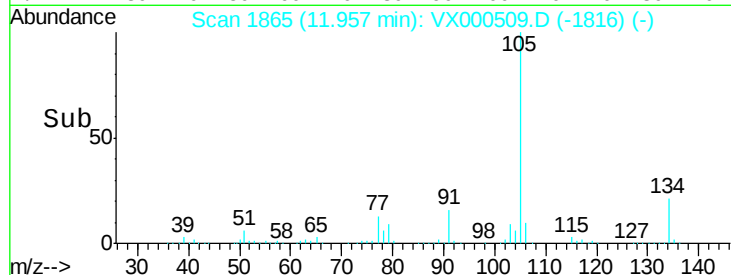
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.49 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

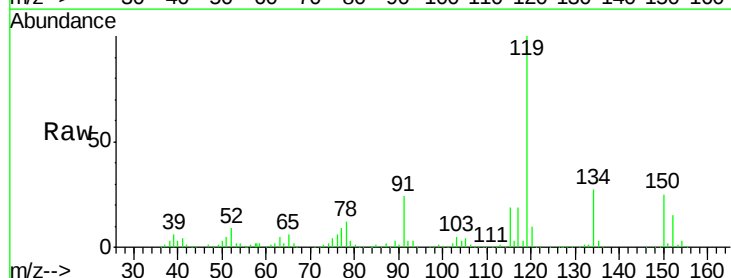
Tgt Ion:119 Resp: 158059

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 24.8 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): V

12.07

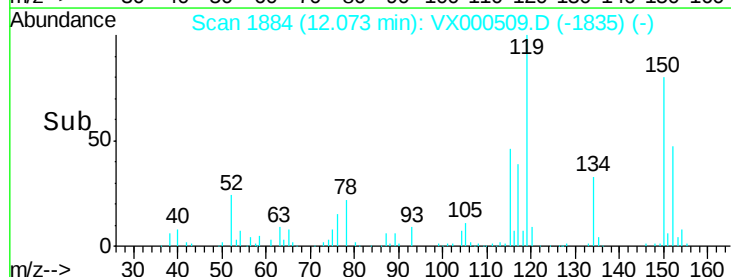
150000

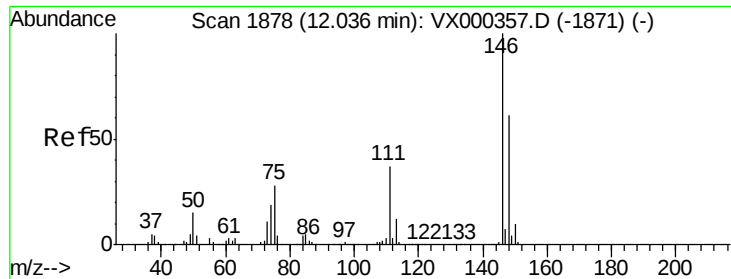
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.89 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

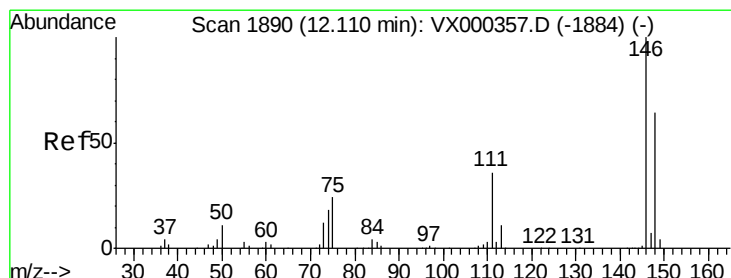
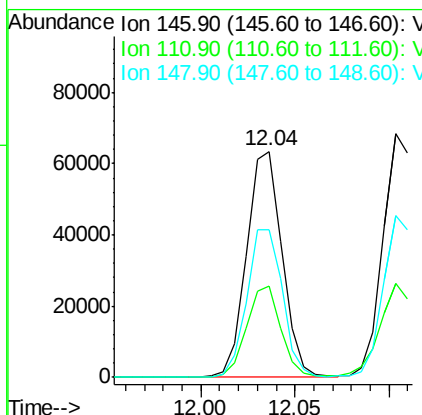
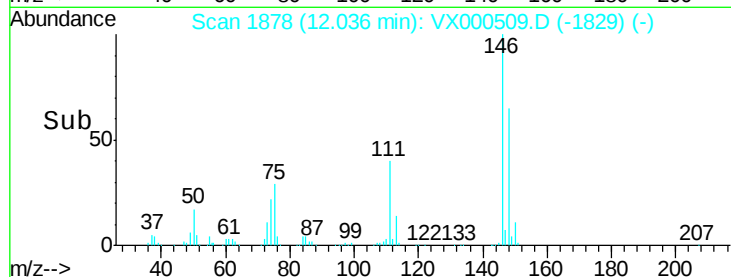
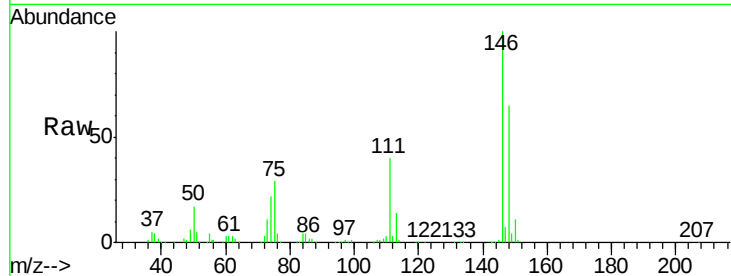
ClientSampleId :

VX0329WBS01

Tot Ion:	146	Resp:	82903
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.5	58.5
148	66.1	32.4	97.0

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#88

1,4-Dichlorobenzene

Concen: 19.41 ug/l

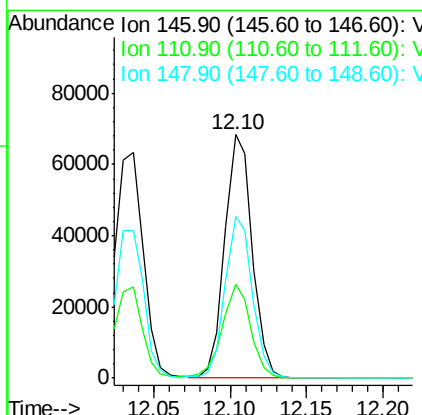
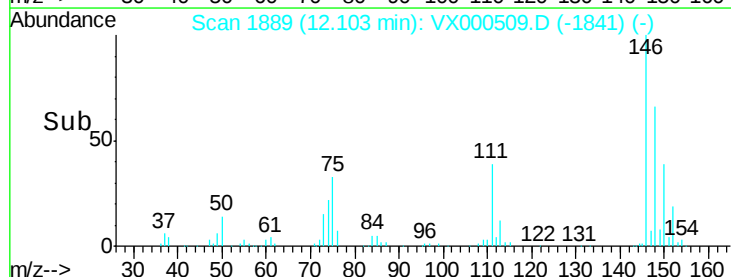
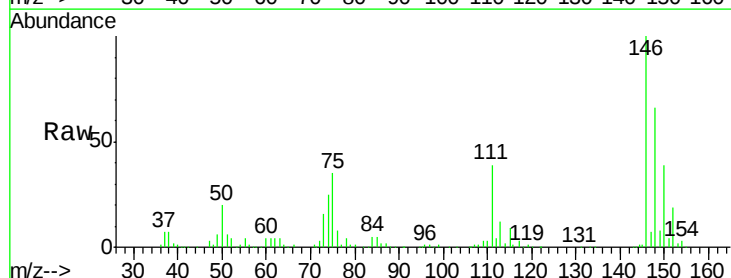
RT: 12.10 min Scan# 1889

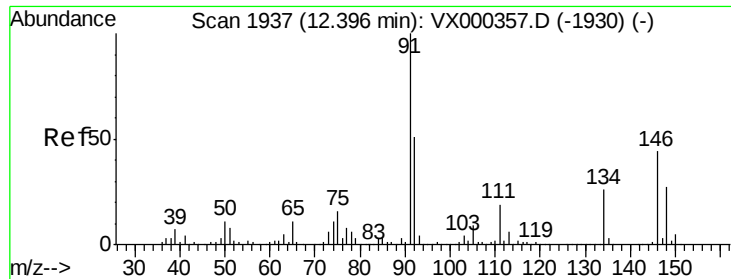
Delta R.T. -0.01 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Tgt Ion:	146	Resp:	84967
Ion Ratio	Lower	Upper	
146	100		
111	40.4	18.9	56.9
148	66.5	31.0	93.0





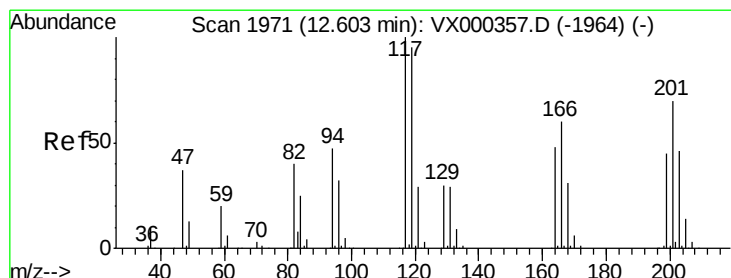
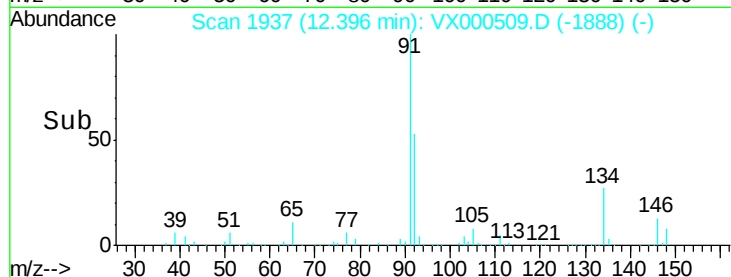
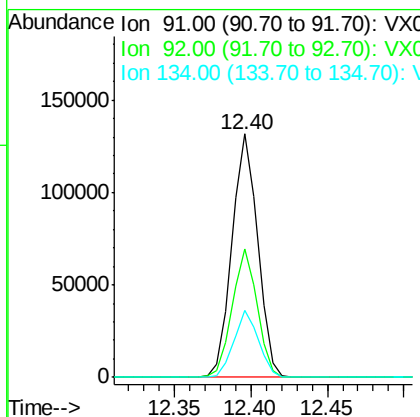
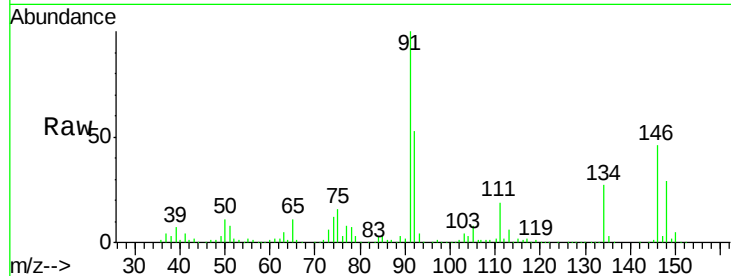
#89
n-Butylbenzene
Concen: 21.34 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.9	77.8
134	26.1	13.1	39.3

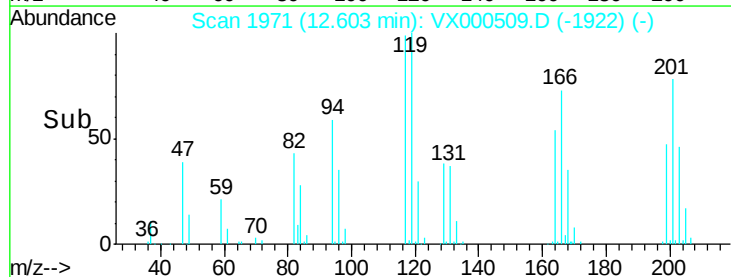
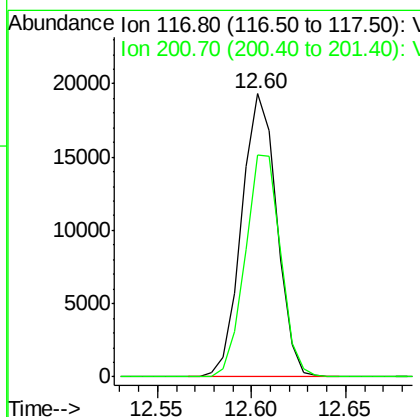
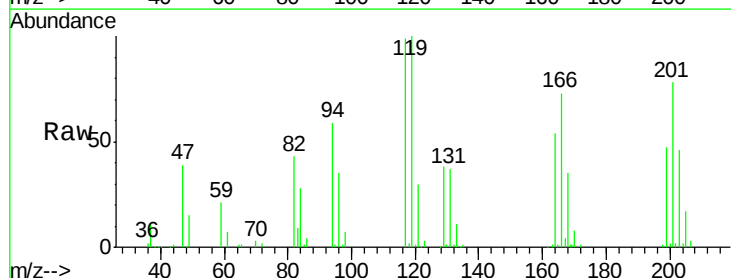
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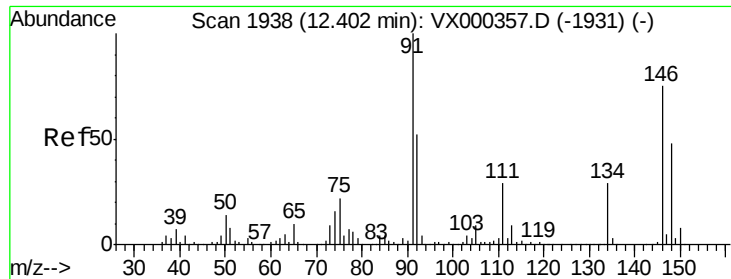
sam
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#90
Hexachloroethane
Concen: 20.63 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000509.D
Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	37.9	113.6





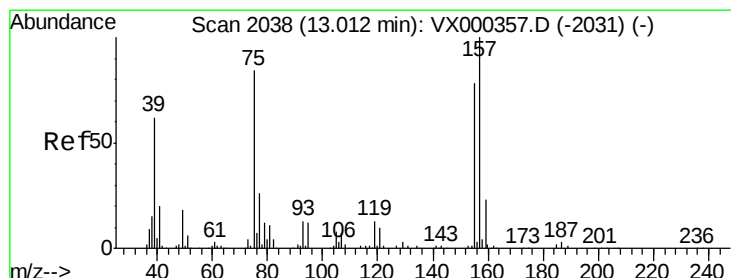
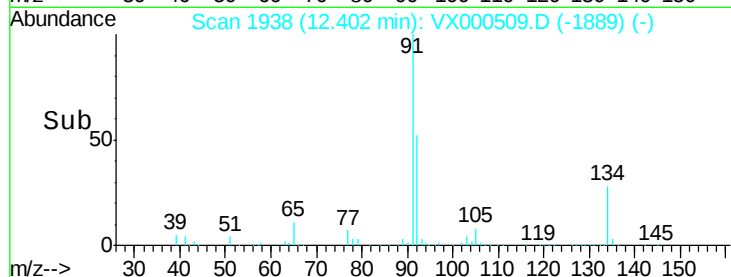
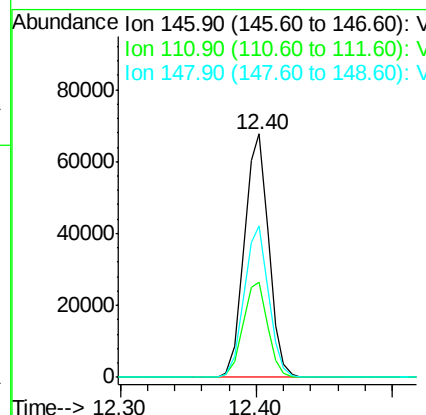
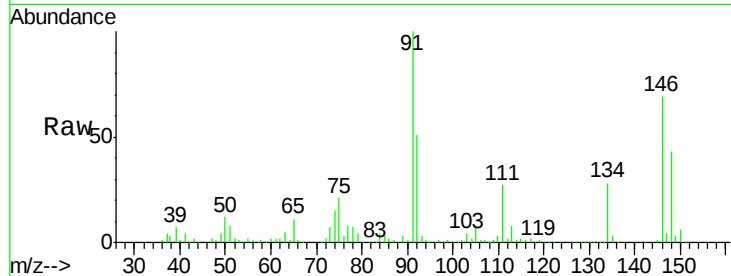
#91
 1,2-Dichlorobenzene
 Concen: 20.56 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.1	60.2
148	62.6	31.2	93.6

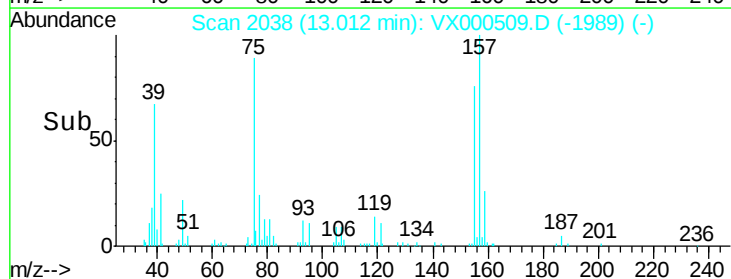
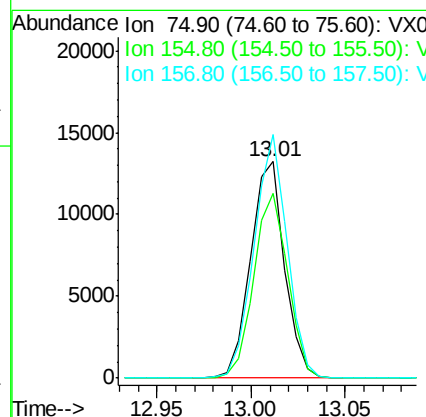
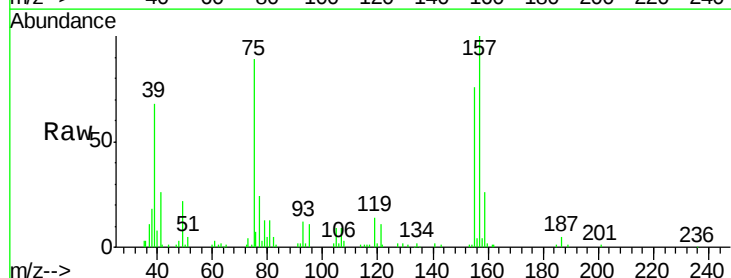
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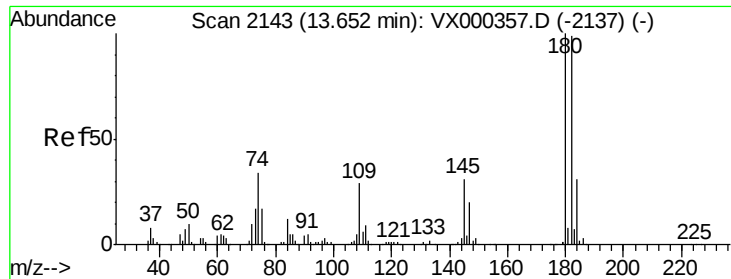
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.23 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	45.0	134.8
157	109.0	58.1	174.2





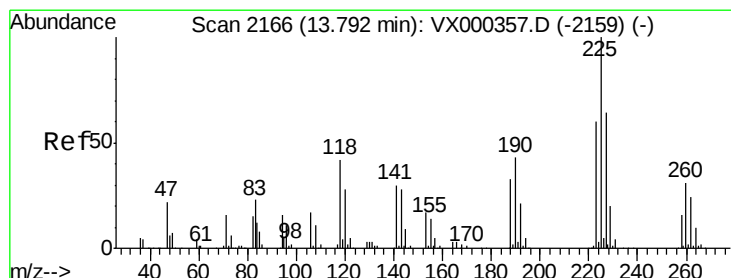
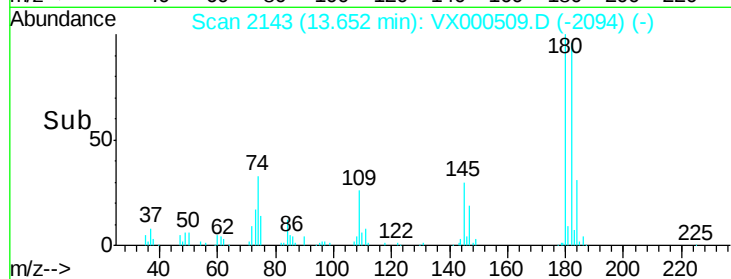
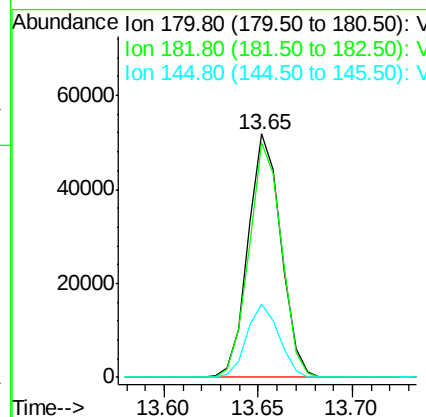
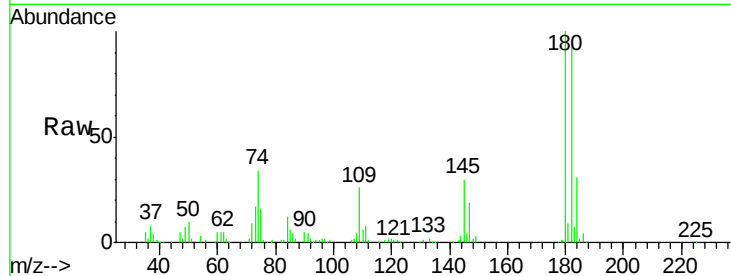
#93
 1,2,4-Trichlorobenzene
 Concen: 21.35 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62560		
182	95.6	47.6	142.9	
145	29.6	15.1	45.3	

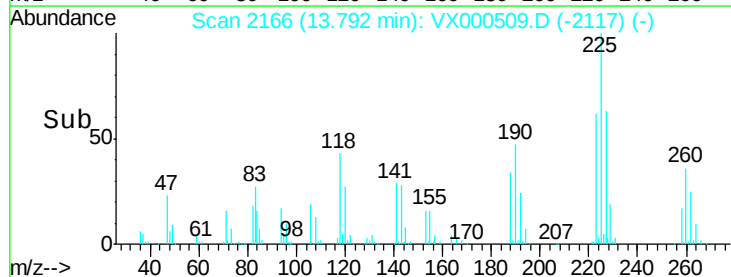
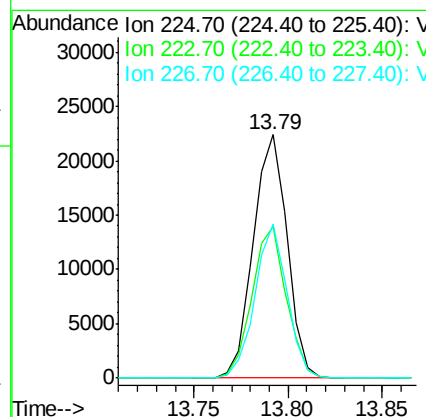
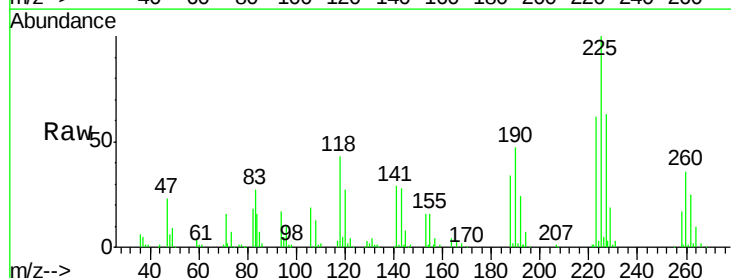
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 22.98 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000509.D
 Acq: 29 Mar 2018 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27879		
223	63.1	32.0	96.0	
227	60.0	32.6	98.0	





#95

Naphthalene

Concen: 20.95 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Instrument :

MSVOA_X

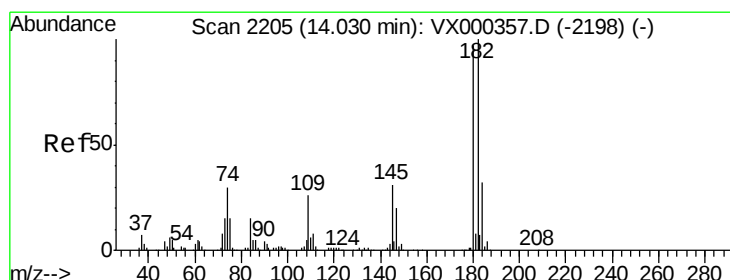
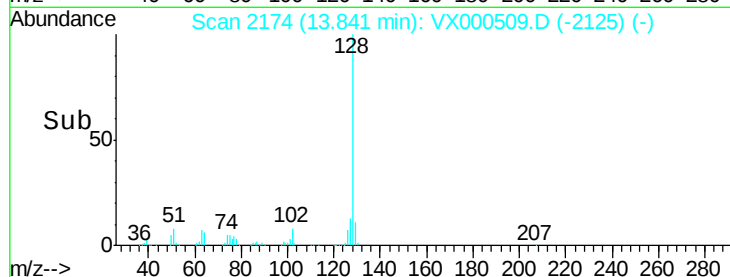
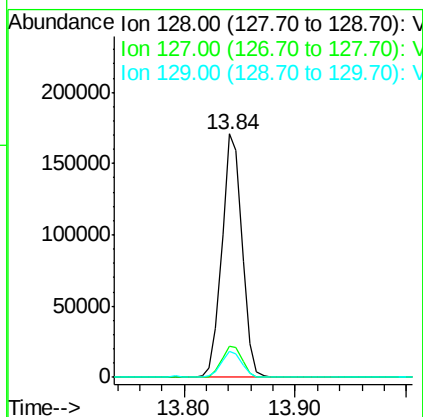
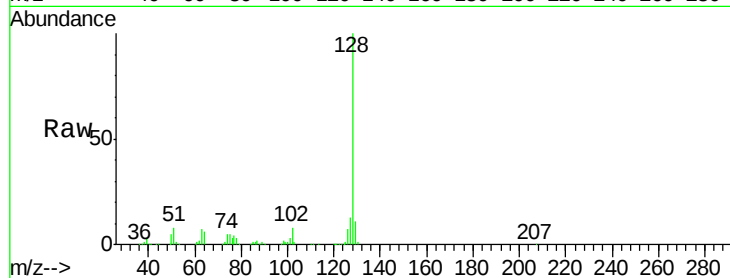
ClientSampleId :

VX0329WBS01

Tot Ion:	128	Resp:	213870
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.8	8.9	13.3

Manual Integrations
APPROVED

sam
3/30/2018 4:10:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.93 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000509.D

Acq: 29 Mar 2018 13:50

Tgt Ion:	180	Resp:	63498
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.4	142.3
145	29.6	15.8	47.3

