

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000455.D
 Acq On : 26 Mar 2018 21:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 05:57:04 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	5.68	168	135976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	223180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	234501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148083	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	88211	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
35) Dibromofluoromethane	5.51	113	71168	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	8.73	98	285939	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.15	95	110845	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	72846	48.610	ug/l	97
3) Chloromethane	1.32	50	65660	41.590	ug/l	96
4) Vinyl Chloride	1.40	62	90403	54.193	ug/l	96
5) Bromomethane	1.64	94	99966	50.054	ug/l	96
6) Chloroethane	1.72	64	60755	59.763	ug/l	97
7) Trichlorofluoromethane	1.93	101	160283	53.234	ug/l	99
8) Diethyl Ether	2.19	74	58337	54.216	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	87990	52.408	ug/l	99
10) Methyl Iodide	2.52	142	58682	36.535	ug/l	99
11) Tert butyl alcohol	3.08	59	151071	247.436	ug/l	100
12) 1,1-Dichloroethene	2.38	96	81858	55.540	ug/l	98
13) Acrolein	2.30	56	44890	231.425	ug/l	97
14) Allyl chloride	2.73	41	146615	56.336	ug/l	99
15) Acrylonitrile	3.16	53	318767	257.781	ug/l	99
16) Acetone	2.45	43	326879	221.380	ug/l	98
17) Carbon Disulfide	2.57	76	226203	57.694	ug/l	99
18) Methyl Acetate	2.78	43	157902	51.009	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	286858	52.625	ug/l	99
20) Methylene Chloride	2.86	84	89678	52.583	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	87844	53.430	ug/l	96
22) Diisopropyl ether	3.88	45	219945	47.738	ug/l	99
23) Vinyl Acetate	3.84	43	1063103	243.398	ug/l	99
24) 1,1-Dichloroethane	3.70	63	155135	53.555	ug/l	99
25) 2-Butanone	4.72	43	388204	233.905	ug/l	98
26) 2,2-Dichloropropane	4.60	77	99235	48.877	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	78073	50.809	ug/l	98
28) Bromochloromethane	5.04	49	55565	46.517	ug/l	98
29) Tetrahydrofuran	5.18	42	249920	244.747	ug/l	99
30) Chloroform	5.23	83	141608	52.161	ug/l	98
31) Cyclohexane	5.59	56	112704	50.329	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	125167	51.107	ug/l	99
36) 1,1-Dichloropropene	5.81	75	103967	49.732	ug/l	99
37) Ethyl Acetate	4.87	43	137240	48.060	ug/l	100
38) Carbon Tetrachloride	5.79	117	111016	50.619	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	129649	50.994	ug/l	98
40) Benzene	6.15	78	310560	51.155	ug/l	100
41) Methacrylonitrile	5.07	41	72251	47.991	ug/l	98
42) 1,2-Dichloroethane	6.21	62	121219	50.890	ug/l	100
43) Isopropyl Acetate	6.48	43	218966	51.513	ug/l	99
44) Trichloroethene	7.22	130	84841	48.780	ug/l	97
45) 1,2-Dichloropropane	7.52	63	81429	52.400	ug/l	99
46) Dibromomethane	7.67	93	62639	51.353	ug/l	98
47) Bromodichloromethane	7.91	83	115970	54.038	ug/l	99
48) Methyl methacrylate	7.79	41	107157	51.925	ug/l	98
49) 1,4-Dioxane	7.77	88	41757	962.629	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	853300	259.344	ug/l	99
52) Toluene	8.79	92	219049	51.611	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	133050	53.502	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	133654	55.406	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	90060	51.600	ug/l	98
56) Ethyl methacrylate	9.19	69	141744	53.594	ug/l	100
57) 1,3-Dichloropropane	9.38	76	151260	54.184	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	310531	244.641	ug/l	97
59) 2-Hexanone	9.51	43	705695	252.596	ug/l	99
60) Dibromochloromethane	9.59	129	97668	47.510	ug/l	100
61) 1,2-Dibromoethane	9.68	107	97692	52.195	ug/l	100
64) Tetrachloroethene	9.34	164	82371	45.266	ug/l	96
65) Chlorobenzene	10.15	112	249170	47.745	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	89860	50.700	ug/l	98
67) Ethyl Benzene	10.26	91	436701	49.363	ug/l	98
68) m/p-Xylenes	10.37	106	351673	101.022	ug/l	97
69) o-Xylene	10.71	106	166132	49.289	ug/l	99
70) Styrene	10.72	104	285224	51.142	ug/l	98
71) Bromoform	10.87	173	77754	42.854	ug/l #	96
73) Isopropylbenzene	11.02	105	459181	46.801	ug/l	100
74) N-amyl acetate	6.48	43	218966	51.285	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	165303	47.633	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	187822	59.018	ug/l	83
77) Bromobenzene	11.26	156	116423	44.543	ug/l	100
78) n-propylbenzene	11.37	91	535899	45.807	ug/l	100
79) 2-Chlorotoluene	11.43	91	310924	46.005	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	404292	49.006	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	46367	47.170	ug/l	95
82) 4-Chlorotoluene	11.52	91	384395	47.634	ug/l	99
83) tert-Butylbenzene	11.78	119	395231	47.502	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	421231	48.701	ug/l	100
85) sec-Butylbenzene	11.95	105	498479	48.419	ug/l	99
86) p-Isopropyltoluene	12.07	119	459535	50.260	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	228091	46.154	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	241963	46.634	ug/l	97
89) n-Butylbenzene	12.40	91	425974	50.038	ug/l	99
90) Hexachloroethane	12.60	117	72320	50.252	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	236334	48.778	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	45457	46.967	ug/l	97

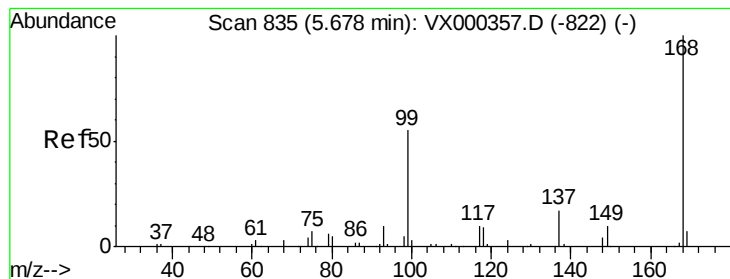
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	157828	45.438	ug/l	99
94) Hexachlorobutadiene	13.79	225	67864	47.186	ug/l	99
95) Naphthalene	13.84	128	589986	48.760	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	162819	47.438	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

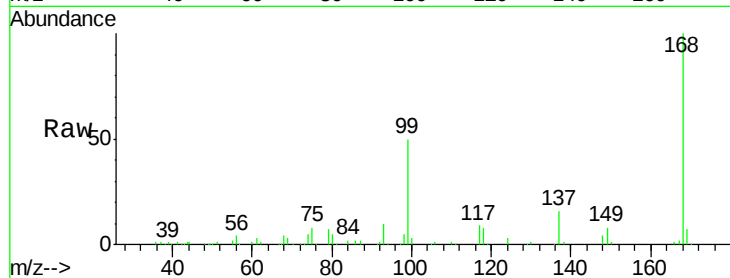
ClientSampleId :

Tot Ion:168 Resp: 135976

Ion Ratio Lower Upper

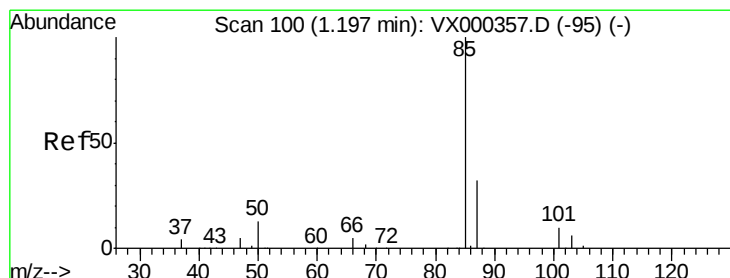
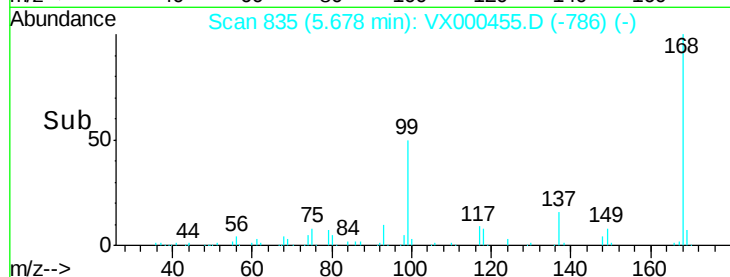
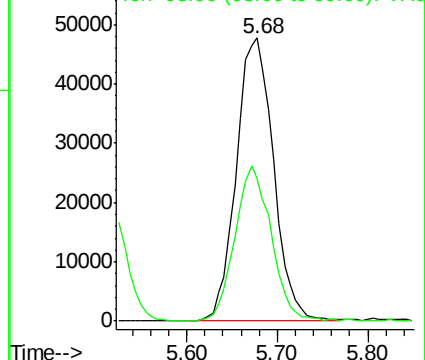
168 100

99 50.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.610 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000455.D

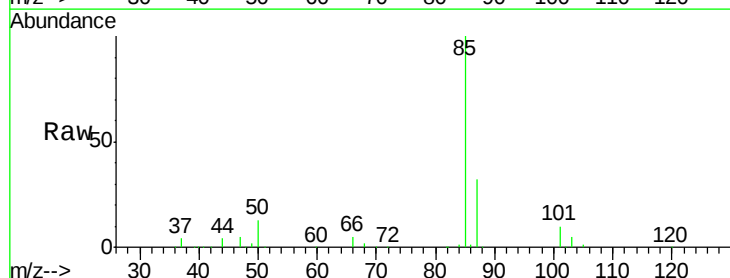
Acq: 26 Mar 2018 21:19

Tgt Ion: 85 Resp: 72846

Ion Ratio Lower Upper

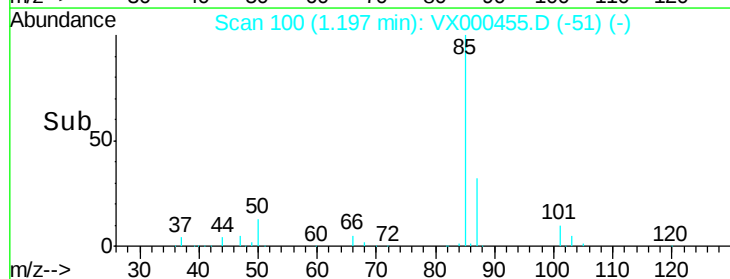
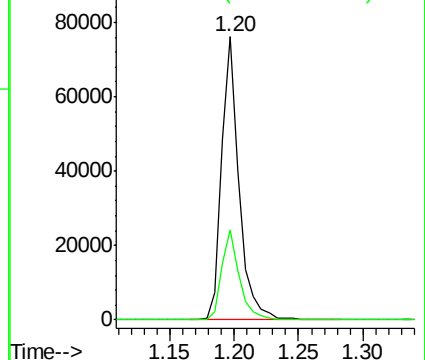
85 100

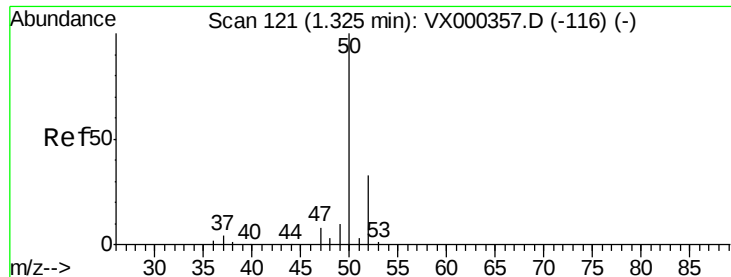
87 31.7 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 41.590 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

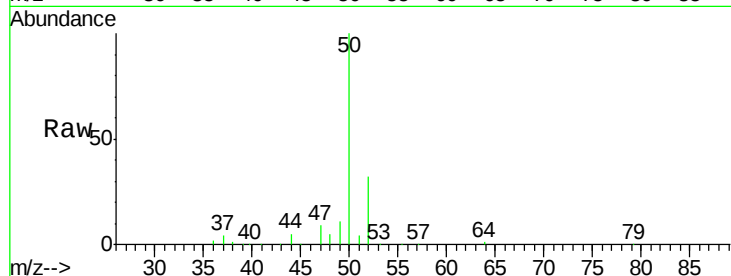
ClientSampleId :

Tot Ion: 50 Resp: 65660

Ion Ratio Lower Upper

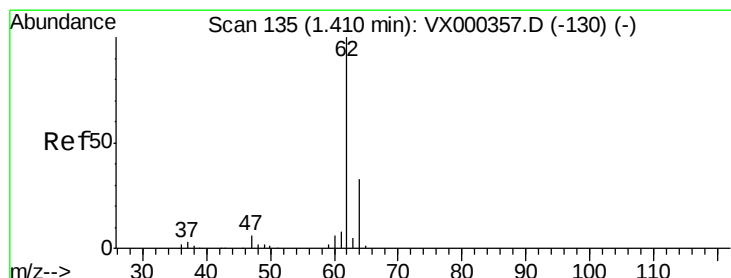
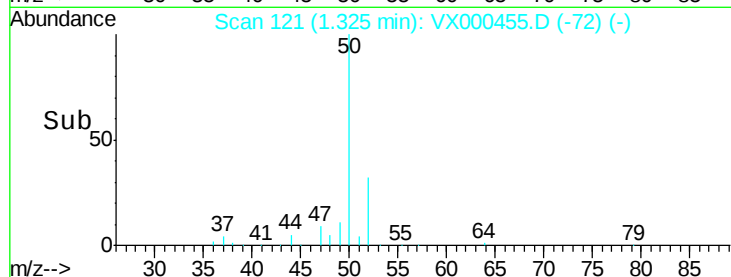
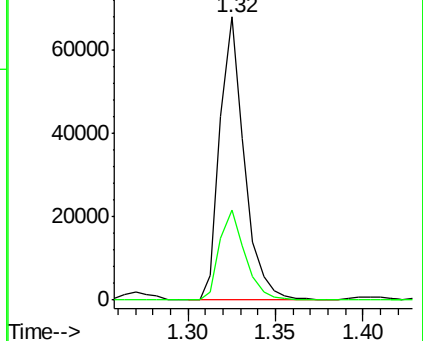
50 100

52 31.9 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 54.193 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000455.D

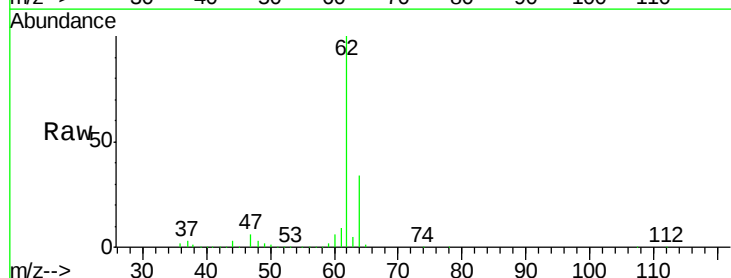
Acq: 26 Mar 2018 21:19

Tgt Ion: 62 Resp: 90403

Ion Ratio Lower Upper

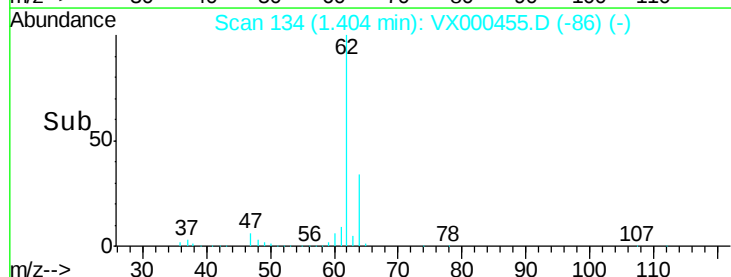
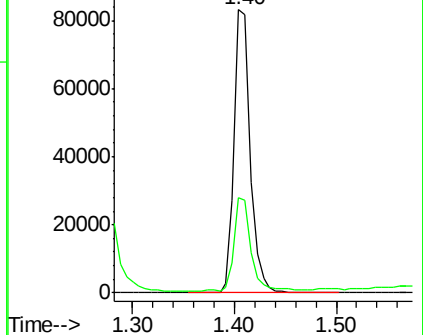
62 100

64 33.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 50.054 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

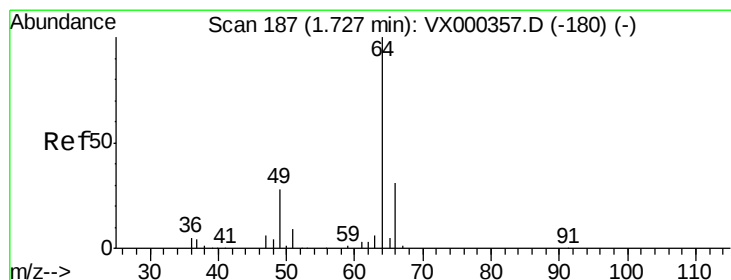
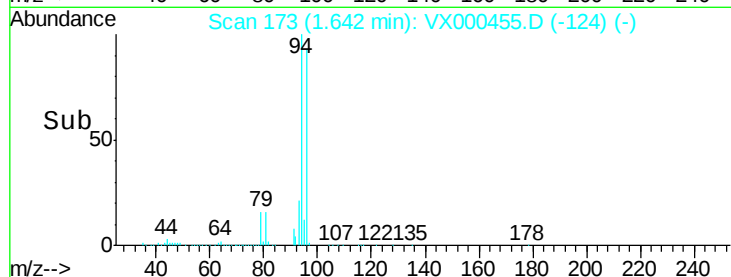
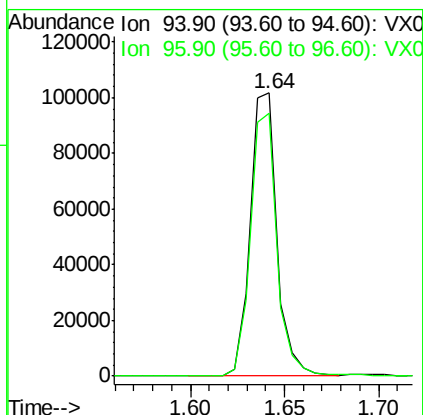
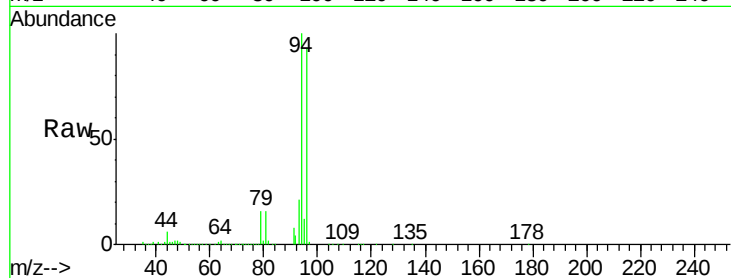
ClientSampleId :

Tot Ion: 94 Resp: 99966

Ion Ratio Lower Upper

94 100

96 93.0 77.7 116.5



#6

Chloroethane

Concen: 59.763 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000455.D

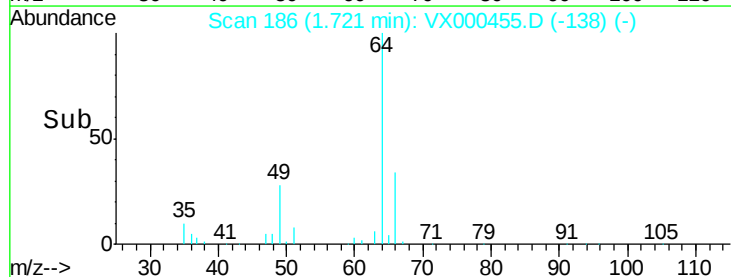
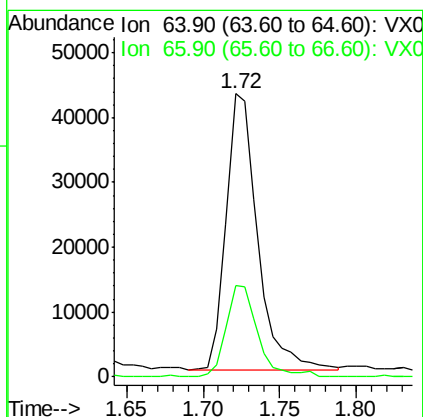
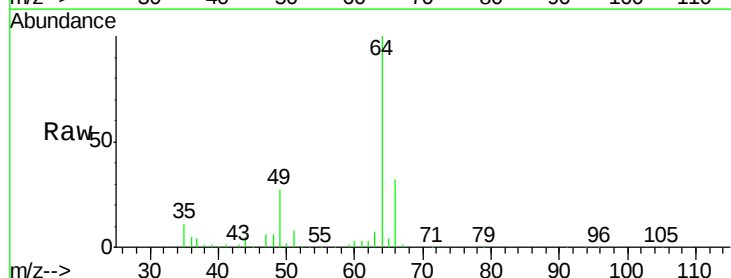
Acq: 26 Mar 2018 21:19

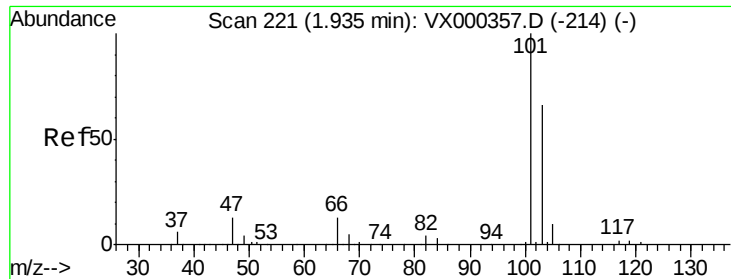
Tgt Ion: 64 Resp: 60755

Ion Ratio Lower Upper

64 100

66 32.7 24.8 37.2



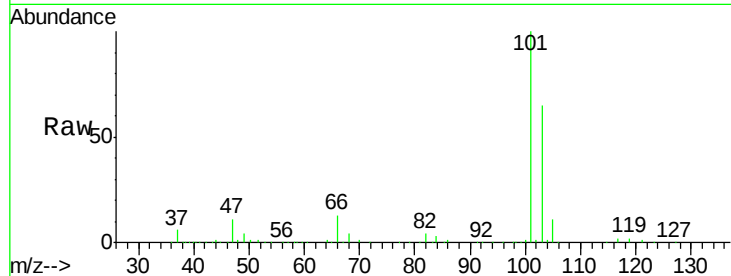


#7

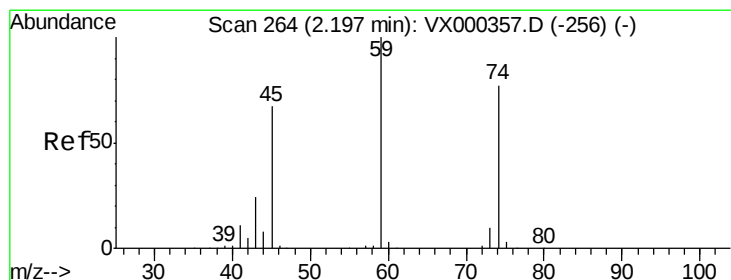
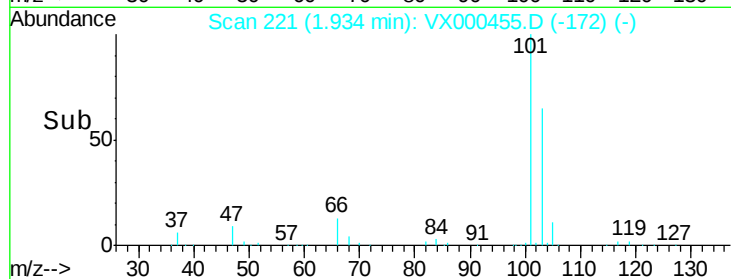
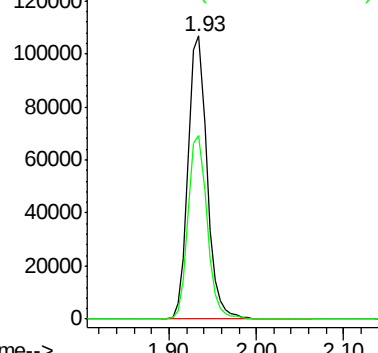
Trichlorofluoromethane
 Concen: 53.234 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:101 Resp: 160283
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.6 77.4



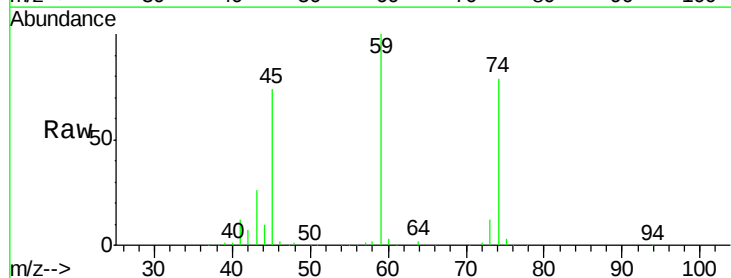
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



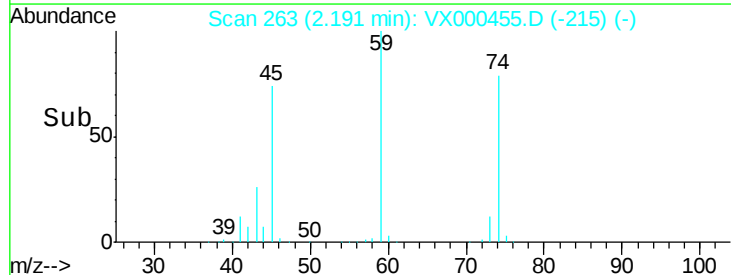
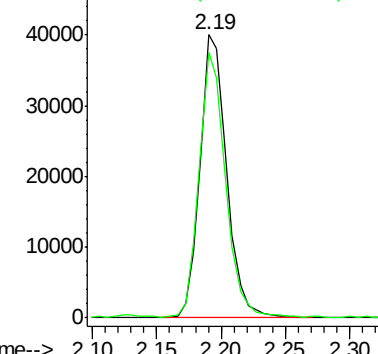
#8

Diethyl Ether
 Concen: 54.216 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

Tgt Ion: 74 Resp: 58337
 Ion Ratio Lower Upper
 74 100
 45 92.7 45.1 135.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.408 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampled :

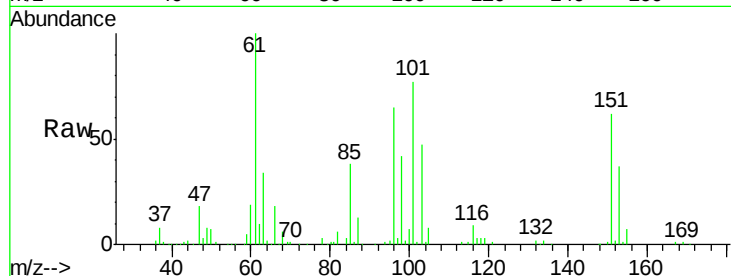
Tot Ion:101 Resp: 87990

Ion Ratio Lower Upper

101 100

85 48.4 37.6 56.4

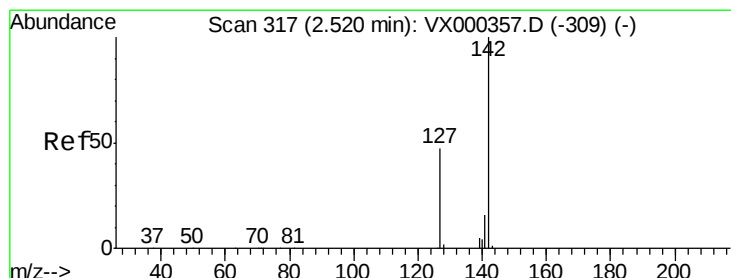
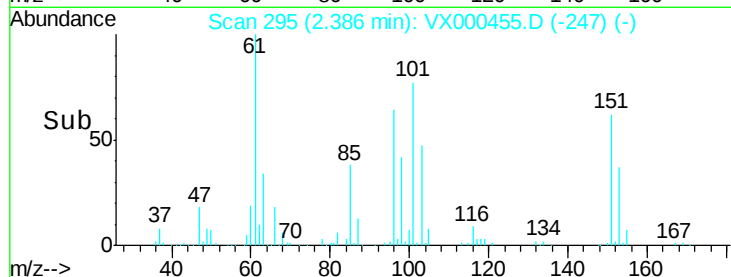
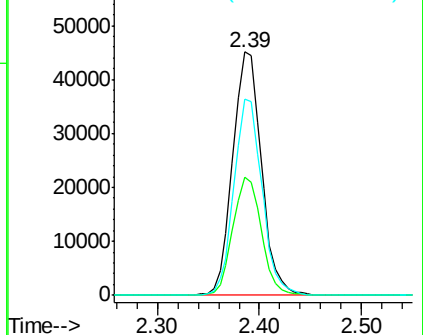
151 79.0 62.6 93.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 36.535 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000455.D

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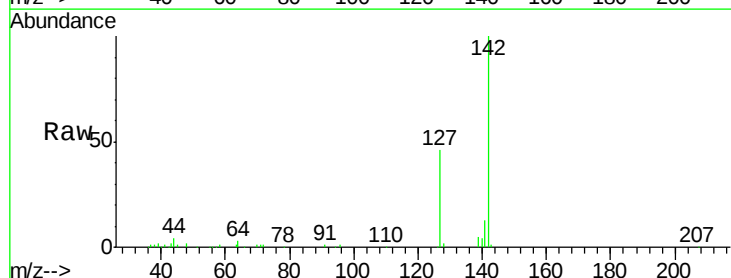
Tgt Ion:142 Resp: 58682

Ion Ratio Lower Upper

142 100

127 49.9 39.2 58.8

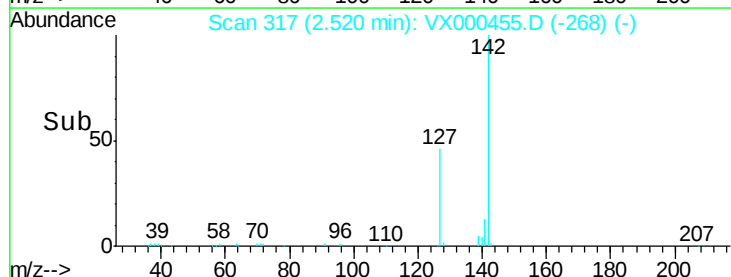
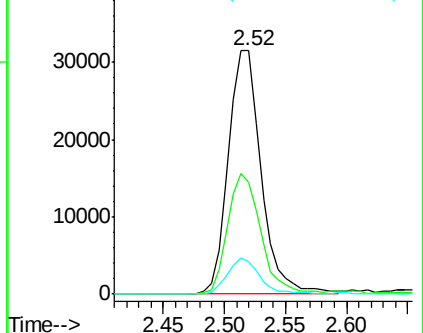
141 14.5 11.7 17.5

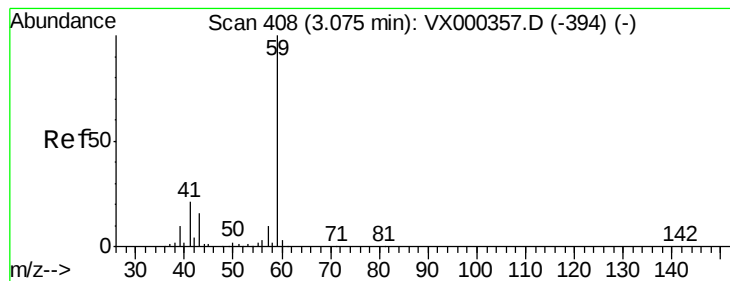


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



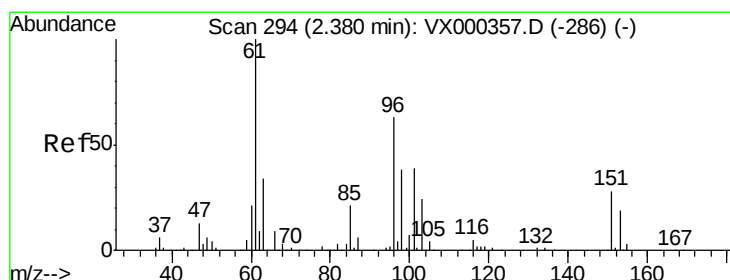
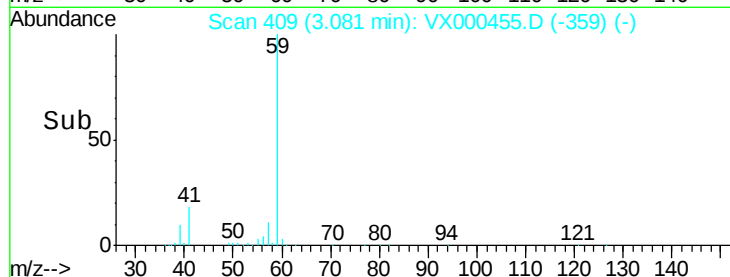
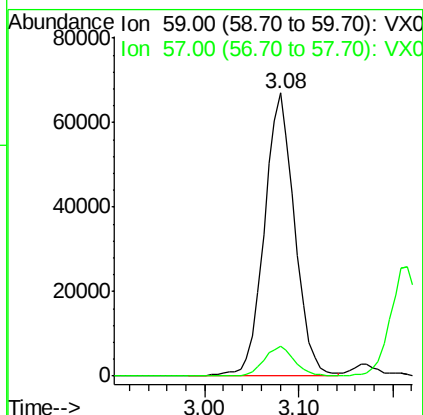
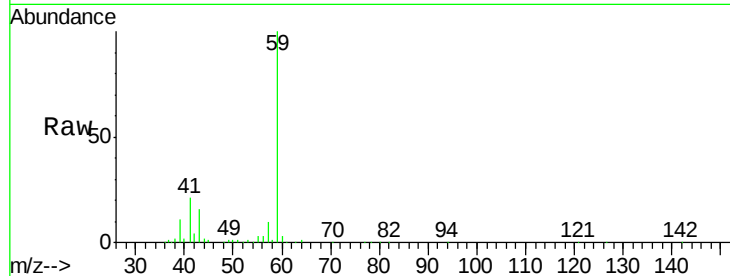


#11

Tert butyl alcohol
 Concen: 247.436 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

Instrument :
 MSVOA_X
 ClientSampleId :

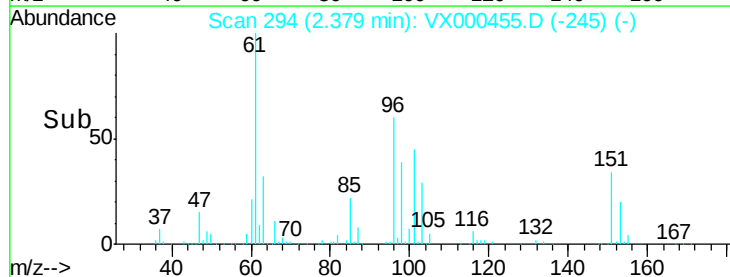
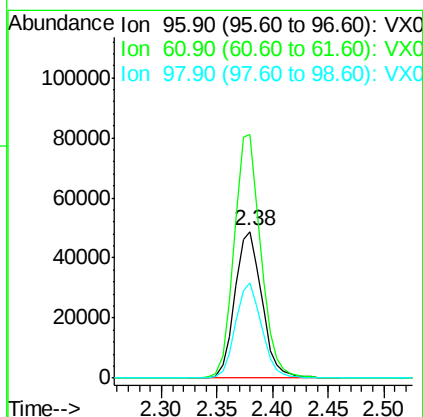
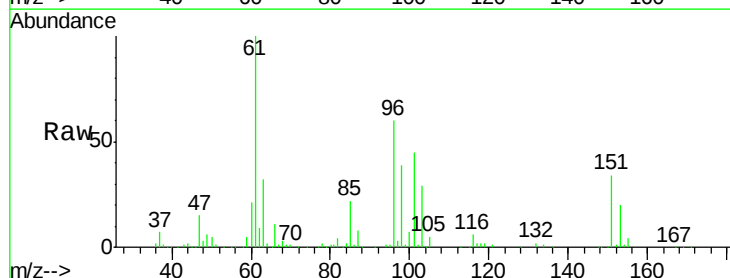
Tot Ion: 59 Resp: 151071
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

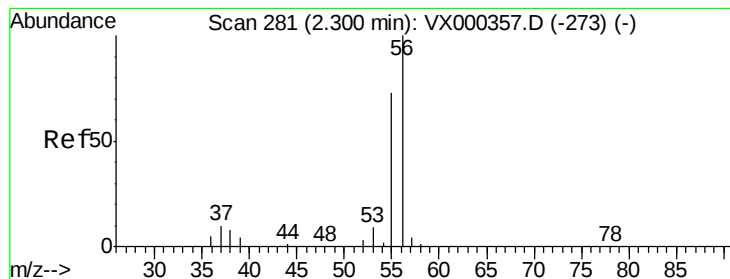


#12

1,1-Dichloroethene
 Concen: 55.540 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

Tgt Ion: 96 Resp: 81858
 Ion Ratio Lower Upper
 96 100
 61 166.0 131.2 196.8
 98 64.5 49.8 74.8





#13

Acrolein

Concen: 231.425 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

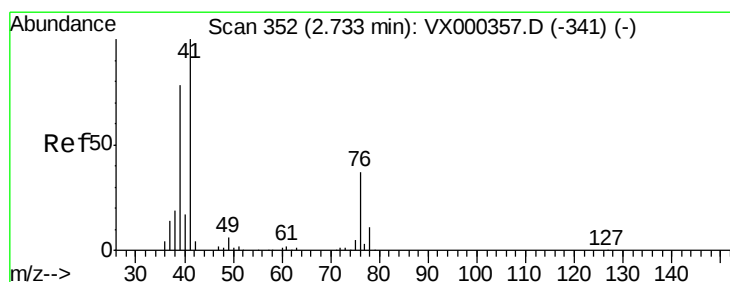
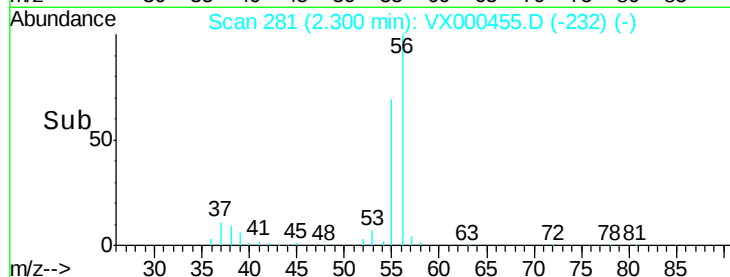
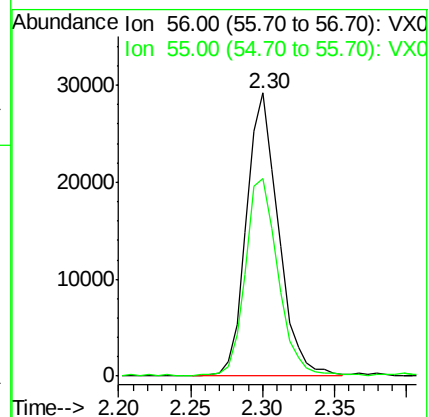
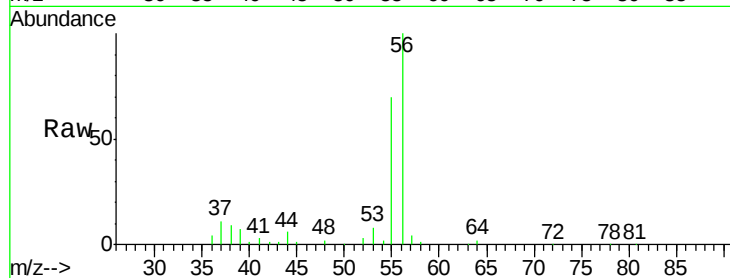
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 44890

Ion Ratio Lower Upper

56 100

55 71.2 58.8 88.2



#14

Allyl chloride

Concen: 56.336 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

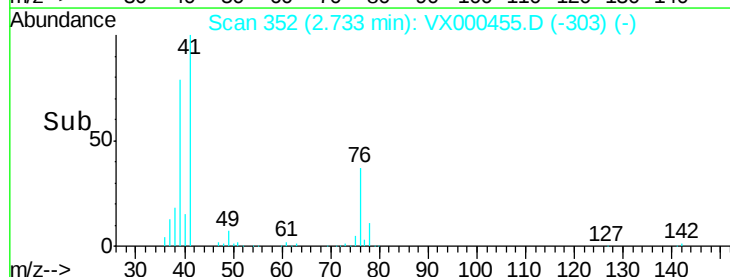
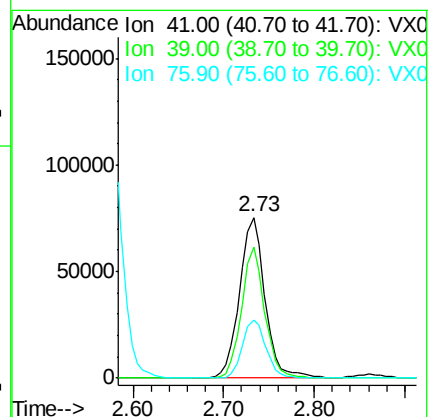
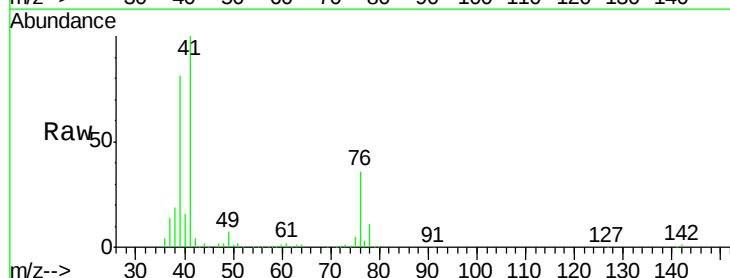
Tgt Ion: 41 Resp: 146615

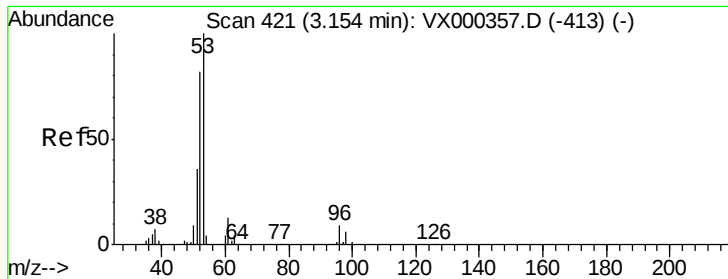
Ion Ratio Lower Upper

41 100

39 73.2 57.6 86.4

76 33.7 27.3 40.9





#15

Acrylonitrile

Concen: 257.781 ug/l

RT: 3.16 min Scan# 422

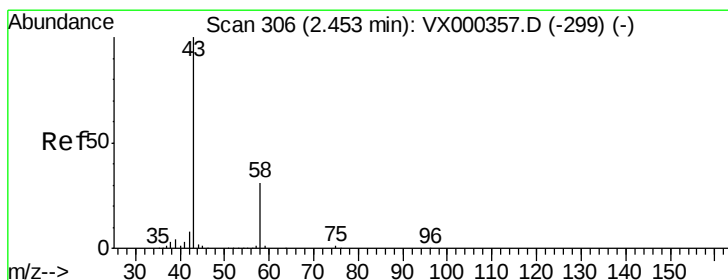
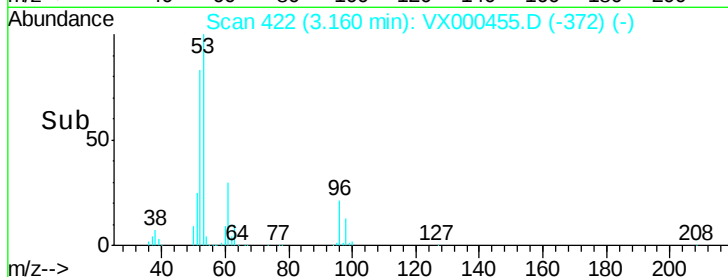
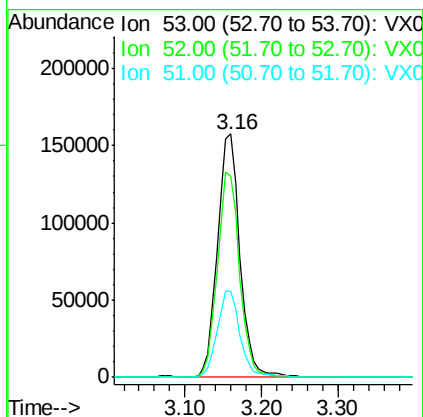
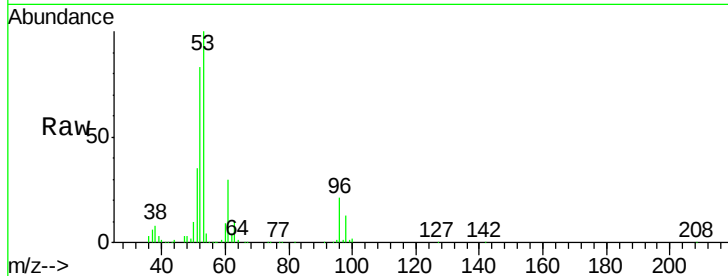
Delta R.T. 0.01 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	53	Resp:	318767
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.6	99.8
51	36.3	29.3	43.9



#16

Acetone

Concen: 221.380 ug/l

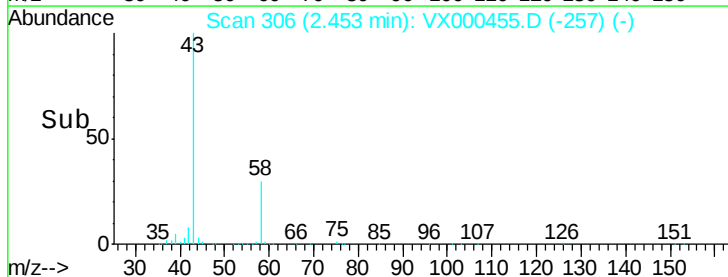
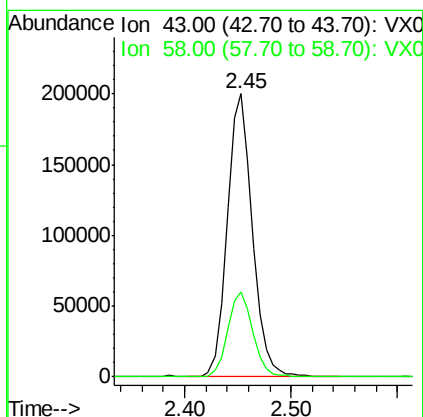
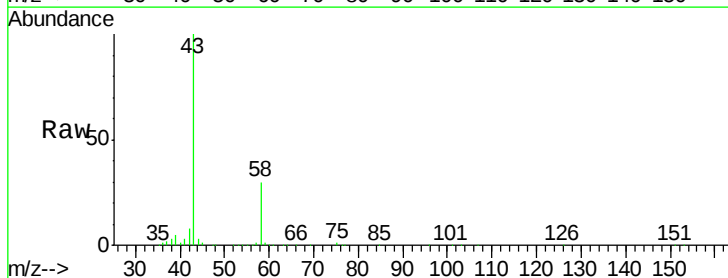
RT: 2.45 min Scan# 306

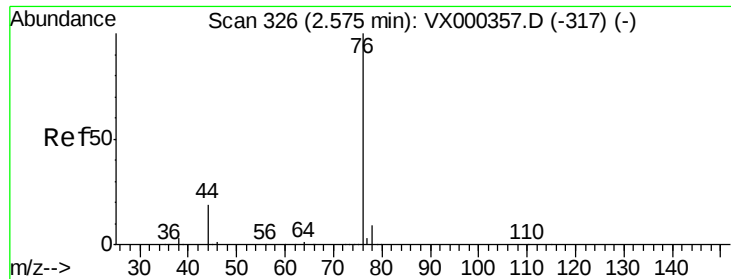
Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Tgt Ion:	43	Resp:	326879
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.7	37.1

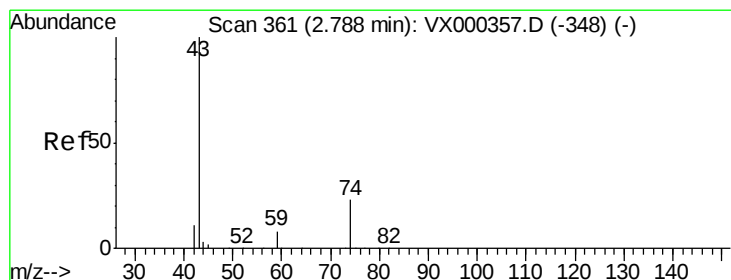
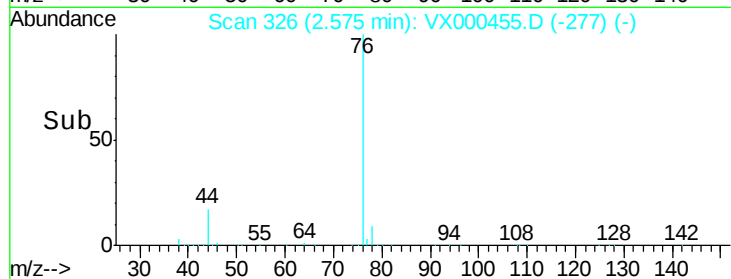
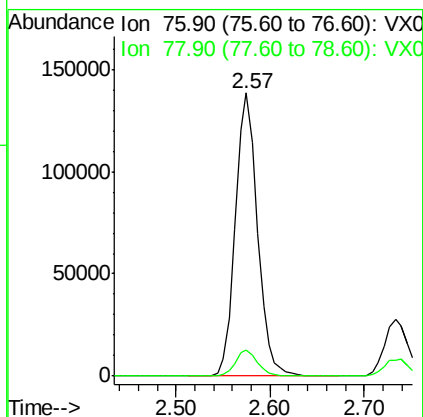
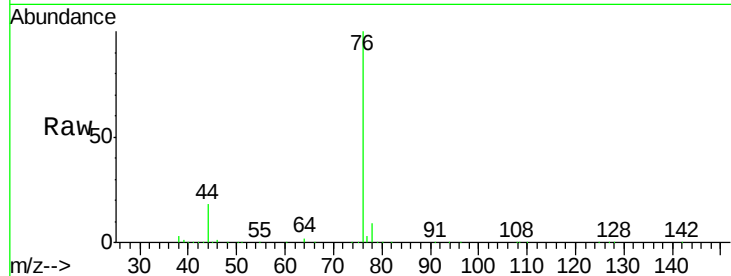




#17
Carbon Disulfide
Concen: 57.694 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

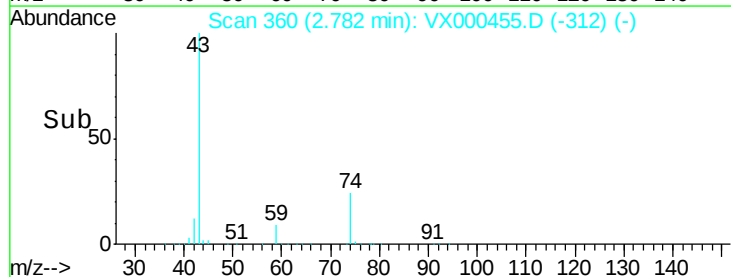
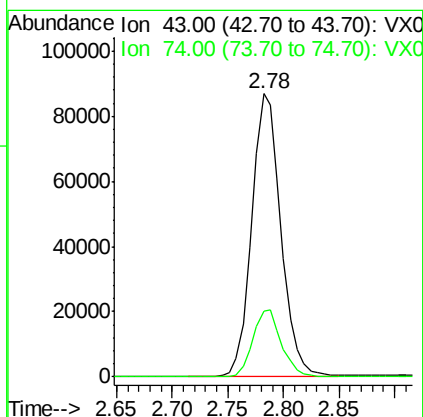
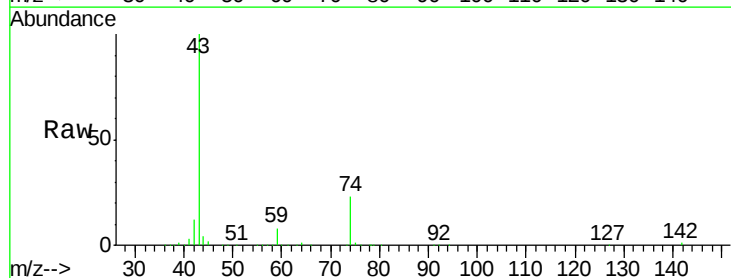
Instrument :
MSVOA_X
ClientSampled :

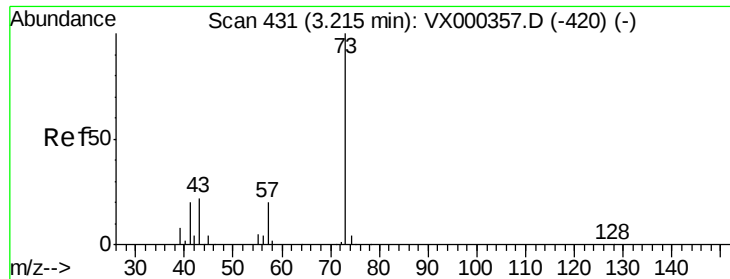
Tot Ion: 76 Resp: 226203
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 51.009 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Tgt Ion: 43 Resp: 157902
Ion Ratio Lower Upper
43 100
74 23.6 19.4 29.2

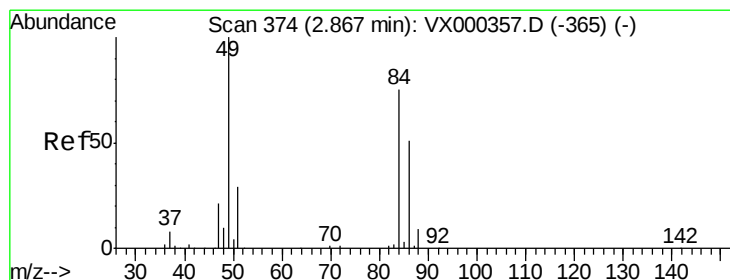
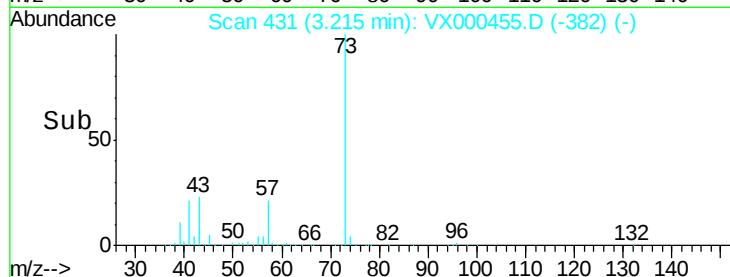
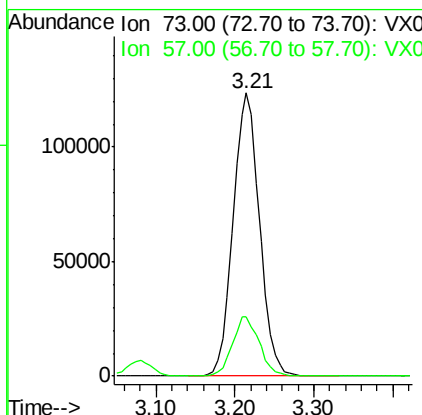
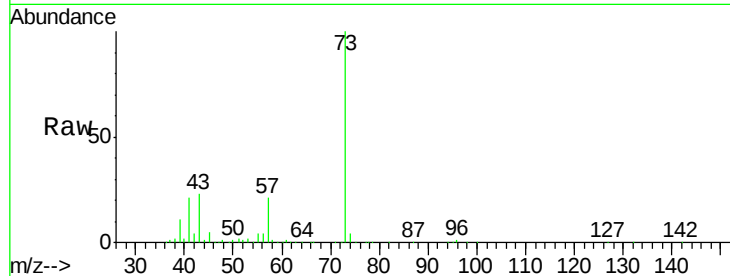




#19
Methyl tert-butyl Ether
Concen: 52.625 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

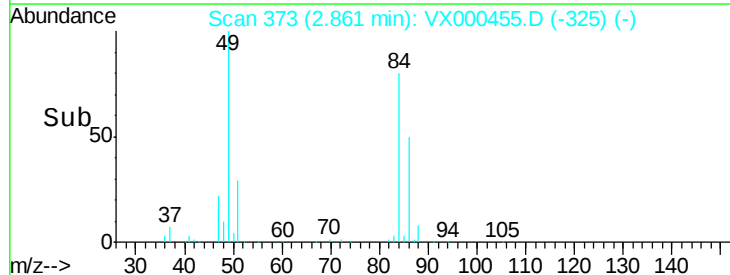
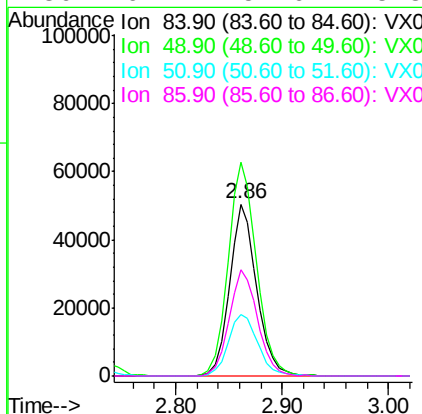
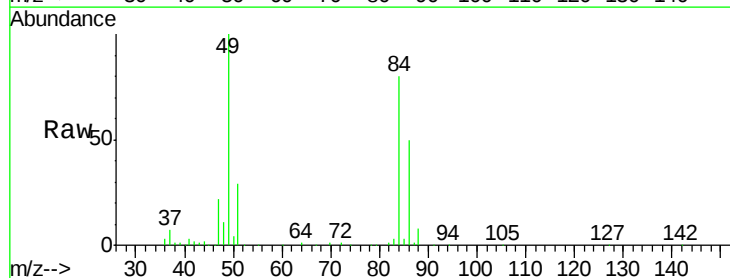
Instrument :
MSVOA_X
ClientSampled :

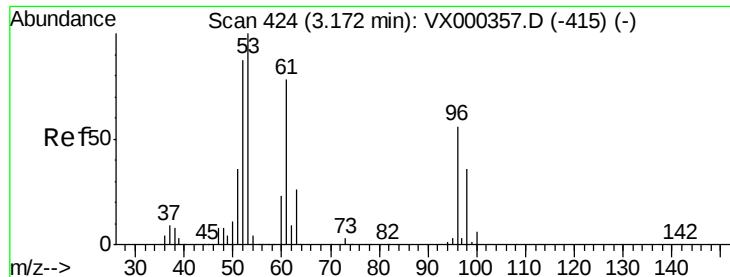
Tot Ion: 73 Resp: 286858
Ion Ratio Lower Upper
73 100
57 21.0 17.2 25.8



#20
Methylene Chloride
Concen: 52.583 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Tgt Ion: 84 Resp: 89678
Ion Ratio Lower Upper
84 100
49 124.4 100.6 151.0
51 35.8 31.6 47.4
86 62.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 53.430 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampleId :

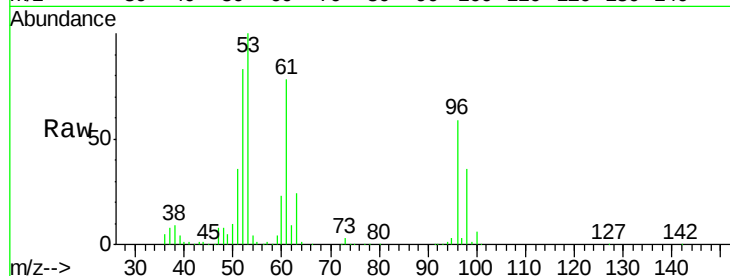
Tot Ion: 96 Resp: 87844

Ion Ratio Lower Upper

96 100

61 132.9 104.0 156.0

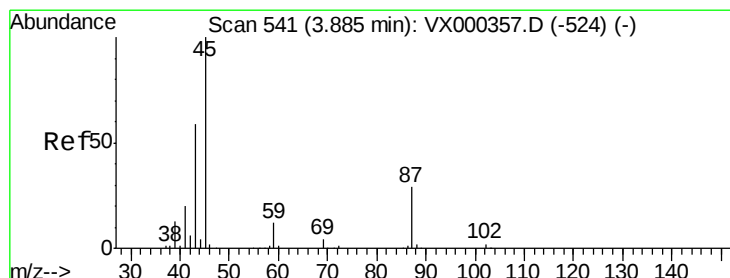
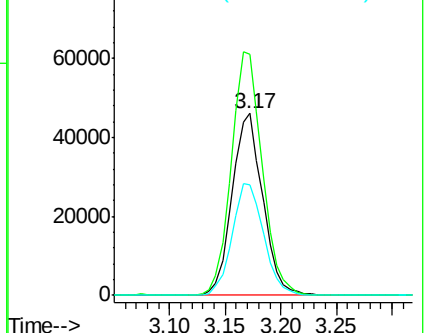
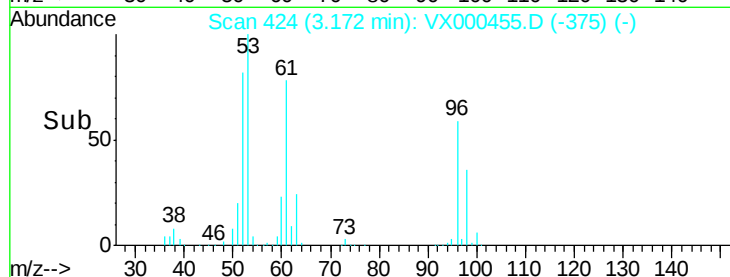
98 60.5 52.1 78.1



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



#22

Diisopropyl ether

Concen: 47.738 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.01 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Tgt Ion: 45 Resp: 219945

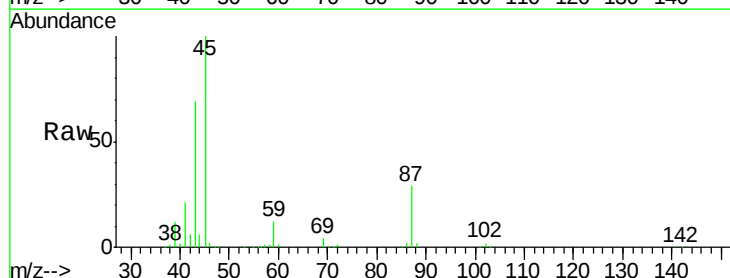
Ion Ratio Lower Upper

45 100

43 68.2 53.9 80.9

87 29.2 22.6 34.0

59 11.8 9.5 14.3

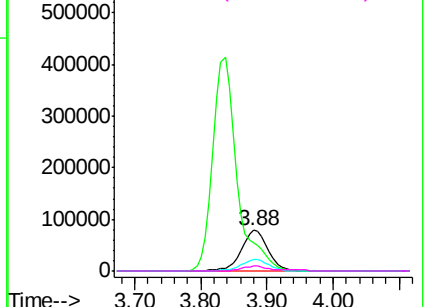
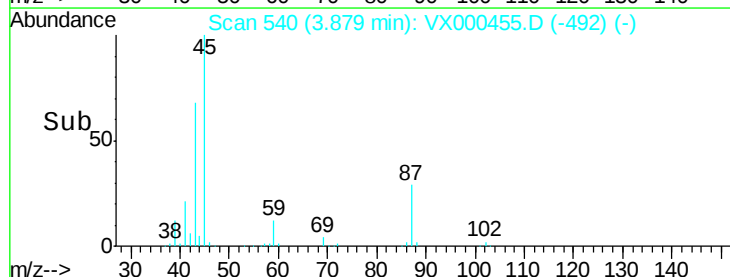


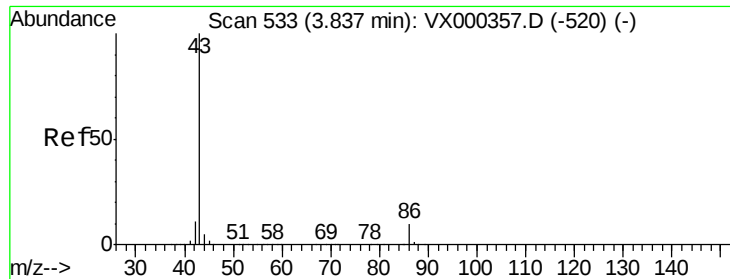
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 243.398 ug/l

RT: 3.84 min Scan# 533

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

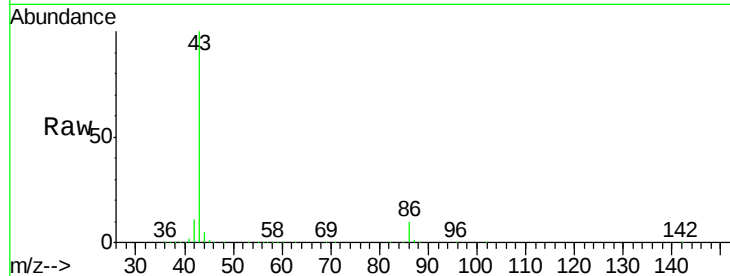
ClientSampleId :

Tot Ion: 43 Resp: 1063103

Ion Ratio Lower Upper

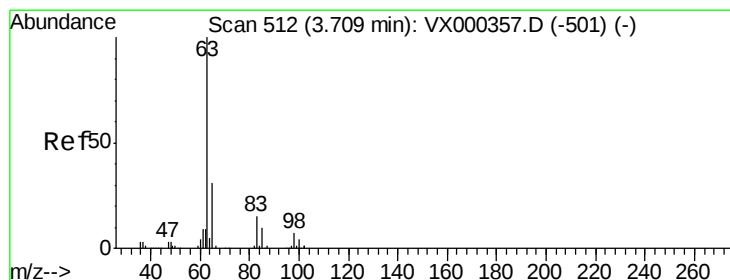
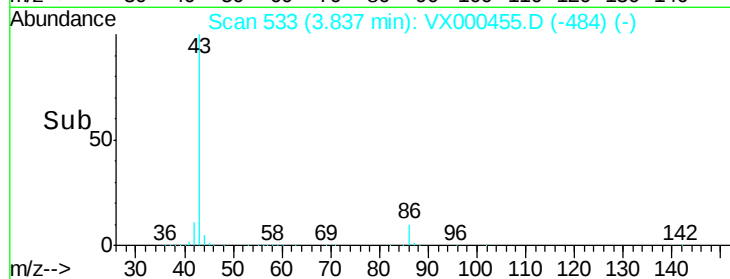
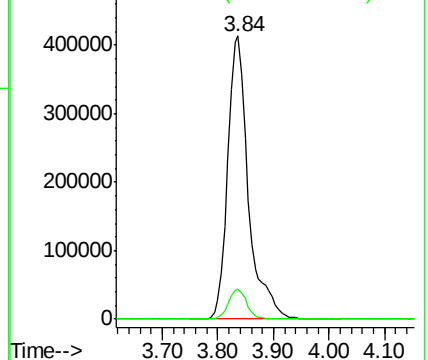
43 100

86 10.4 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.555 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

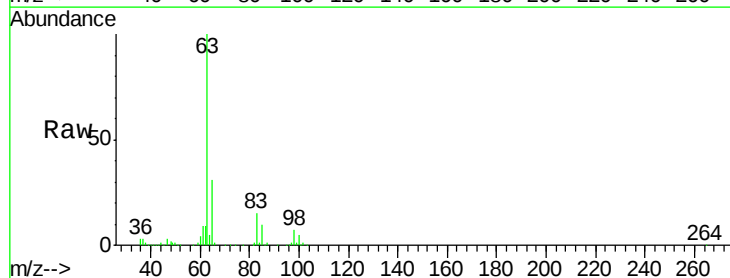
Tgt Ion: 63 Resp: 155135

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

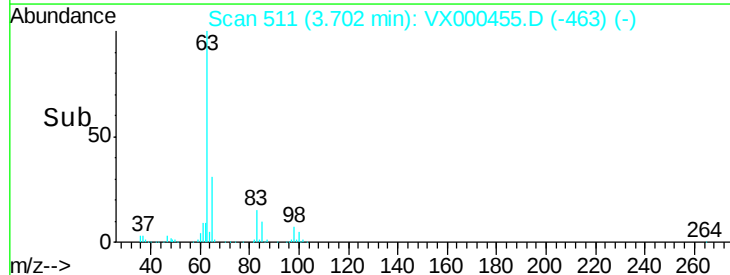
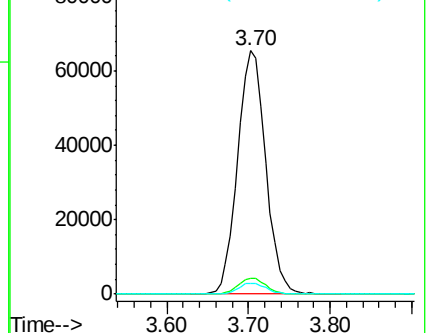
100 4.6 2.0 5.8

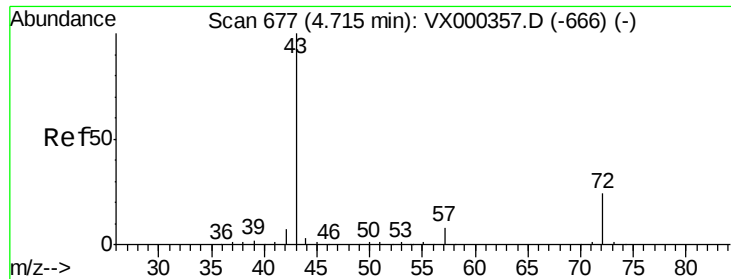


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 233.905 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

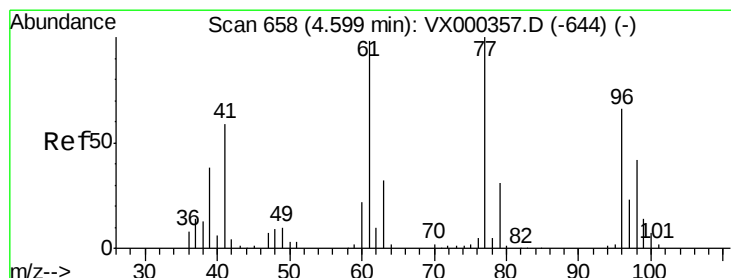
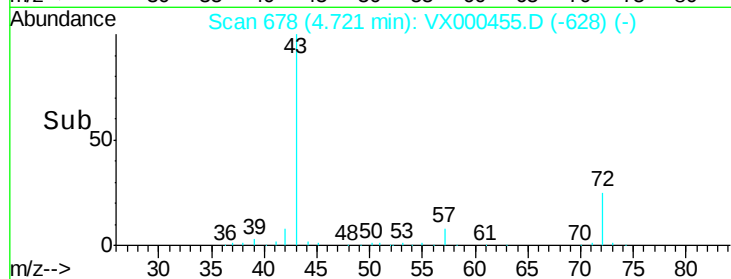
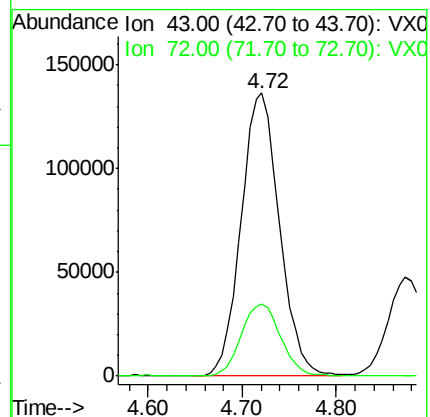
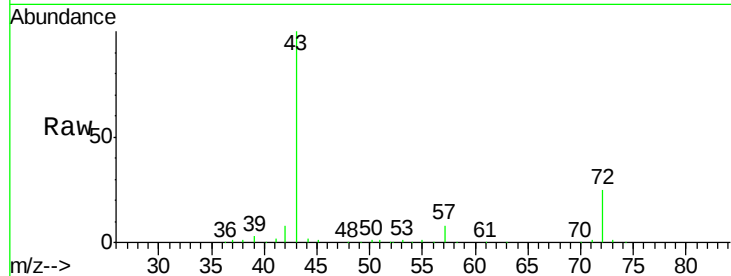
ClientSampled :

Tot Ion: 43 Resp: 388204

Ion Ratio Lower Upper

43 100

72 25.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 48.877 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX000455.D

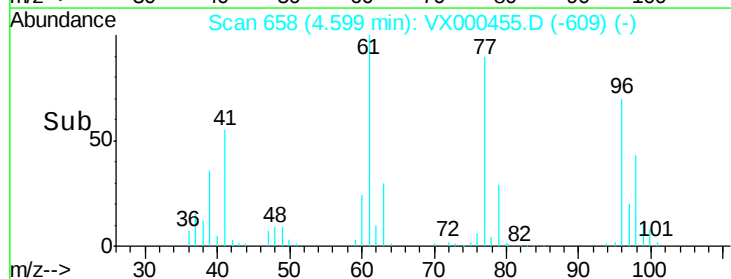
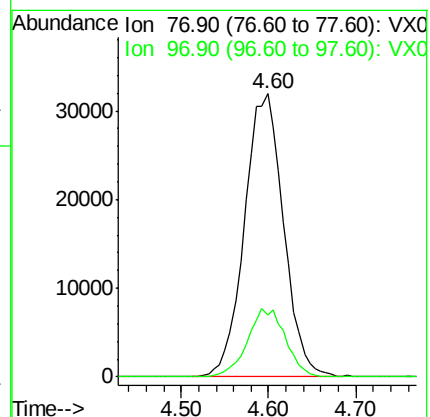
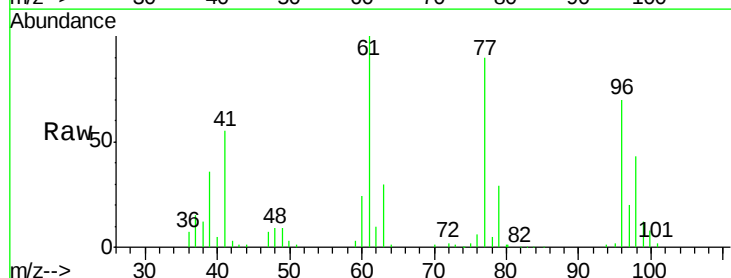
Acq: 26 Mar 2018 21:19

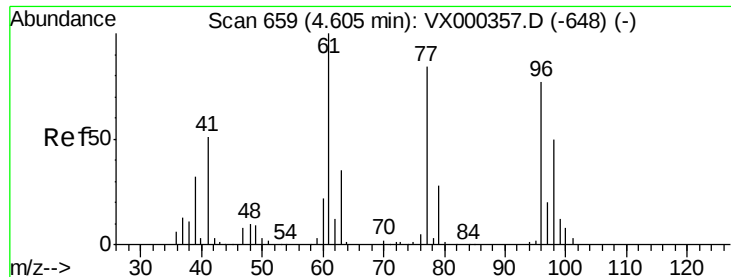
Tgt Ion: 77 Resp: 99235

Ion Ratio Lower Upper

77 100

97 23.6 11.3 33.8



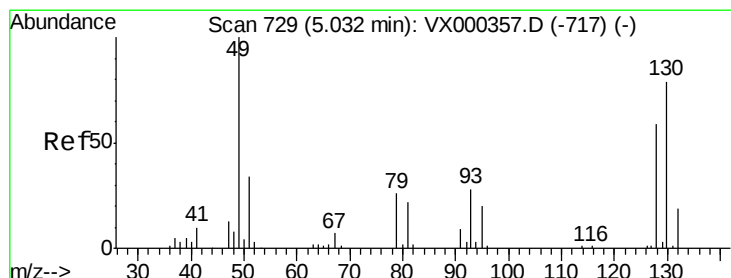
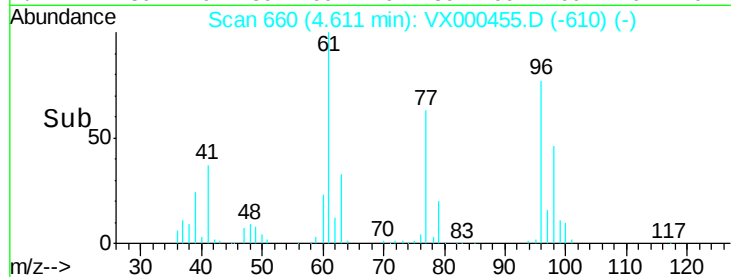
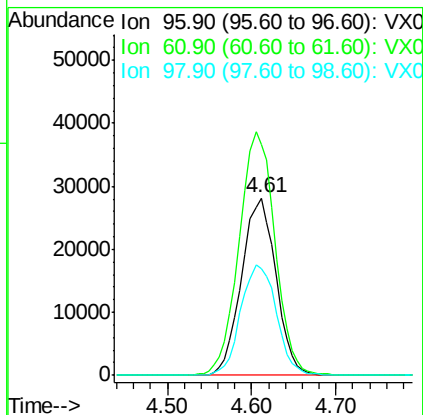
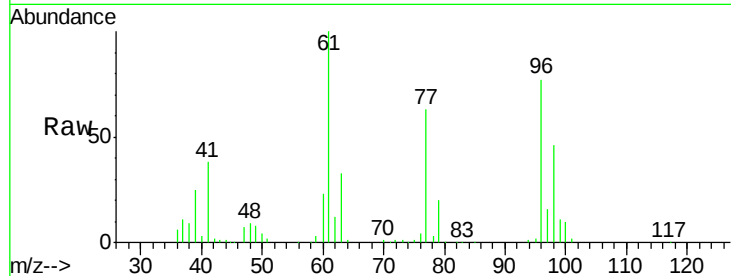


#27

cis-1,2-Dichloroethene
 Concen: 50.809 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

Instrument :
 MSVOA_X
 ClientSampled :

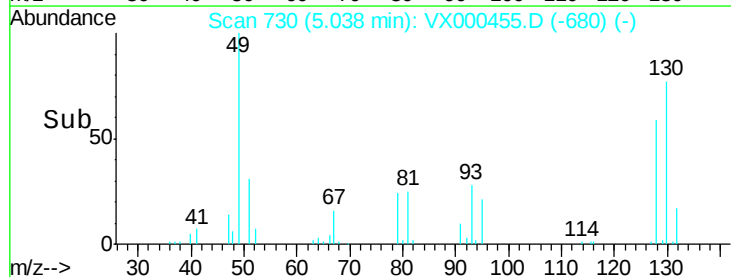
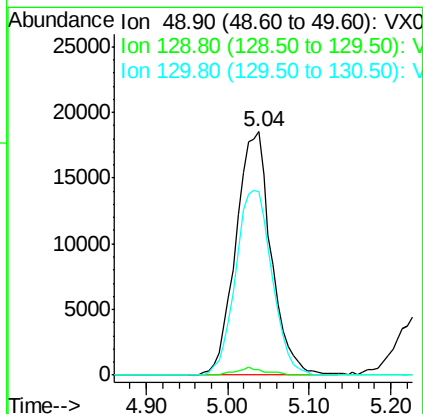
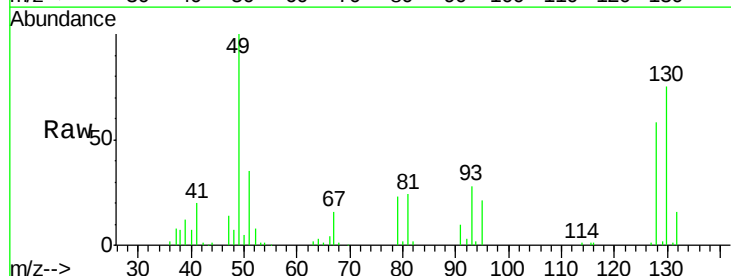
Tot Ion: 96 Resp: 78073
 Ion Ratio Lower Upper
 96 100
 61 143.1 0.0 291.6
 98 64.3 0.0 132.0

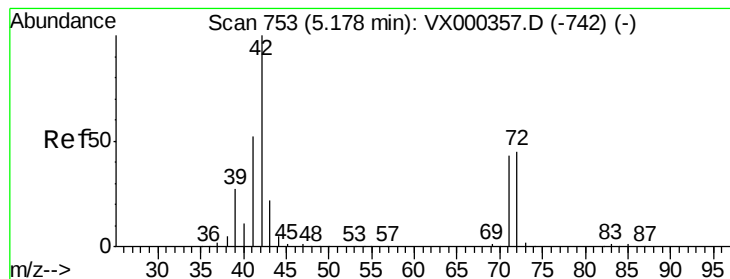


#28

Bromochloromethane
 Concen: 46.517 ug/l
 RT: 5.04 min Scan# 730
 Delta R.T. 0.01 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

Tgt Ion: 49 Resp: 55565
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 5.0
 130 78.1 64.0 96.0





#29

Tetrahydrofuran

Concen: 244.747 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :
MSVOA_X
ClientSampled :

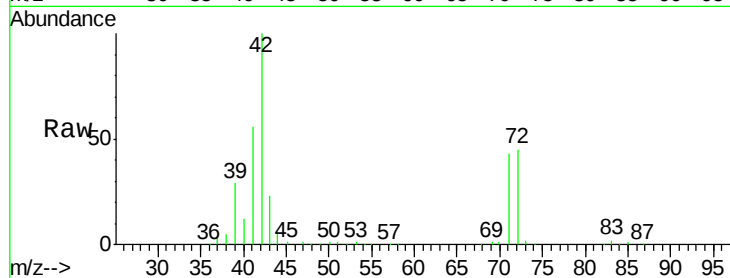
Tot Ion: 42 Resp: 249920

Ion Ratio Lower Upper

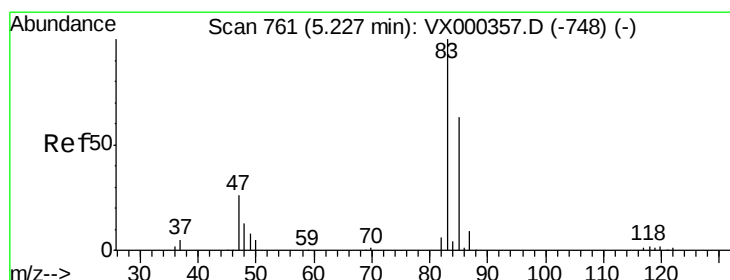
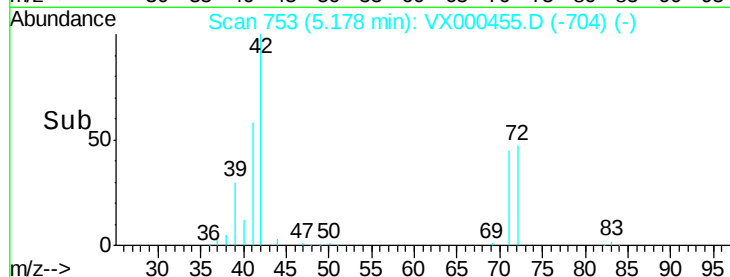
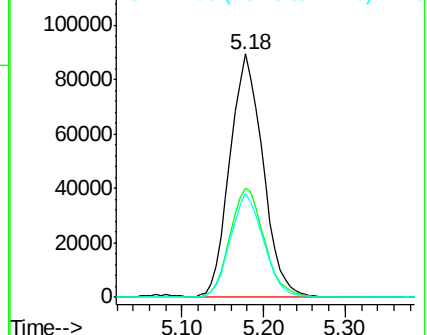
42 100

72 46.6 37.9 56.9

71 43.0 34.4 51.6



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 52.161 ug/l

RT: 5.23 min Scan# 761

Delta R.T. -0.00 min

Lab File: VX000455.D

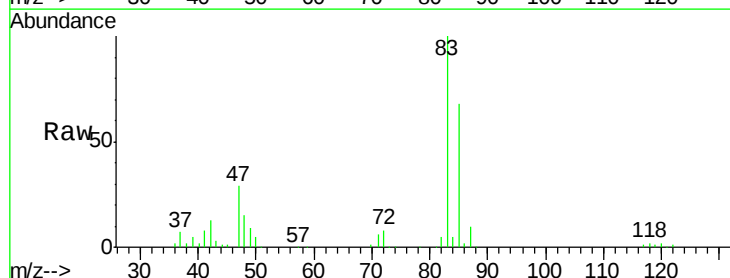
Acq: 26 Mar 2018 21:19

Tgt Ion: 83 Resp: 141608

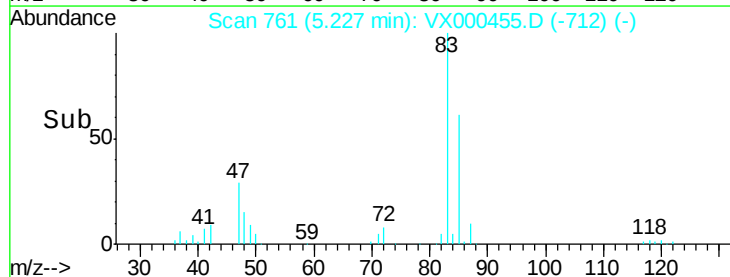
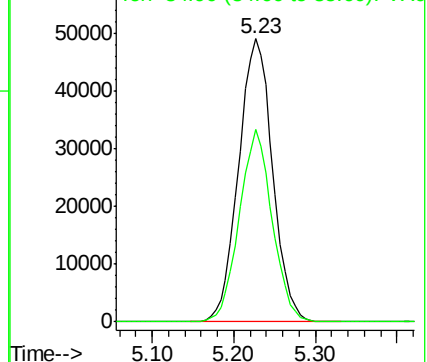
Ion Ratio Lower Upper

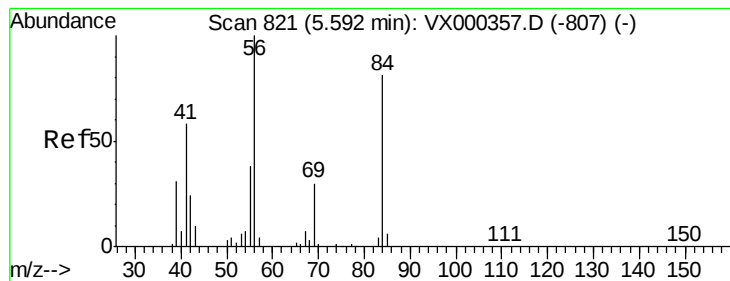
83 100

85 68.0 53.3 79.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 50.329 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.01 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :
MSVOA_X
ClientSampleId :

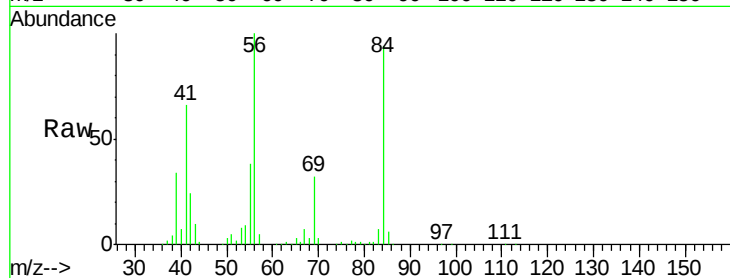
Tot Ion: 56 Resp: 112704

Ion Ratio Lower Upper

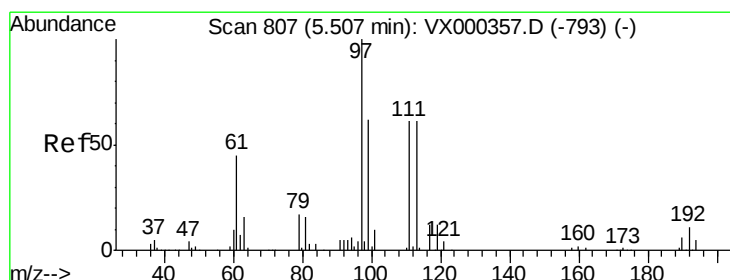
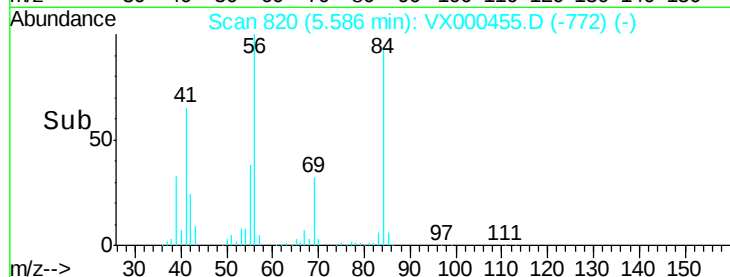
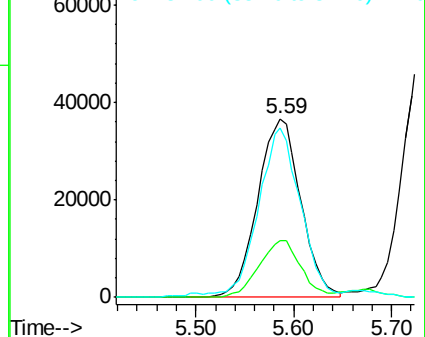
56 100

69 31.8 23.4 35.0

84 92.2 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 51.107 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

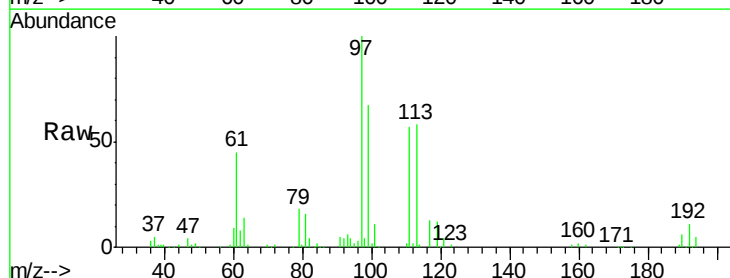
Tgt Ion: 97 Resp: 125167

Ion Ratio Lower Upper

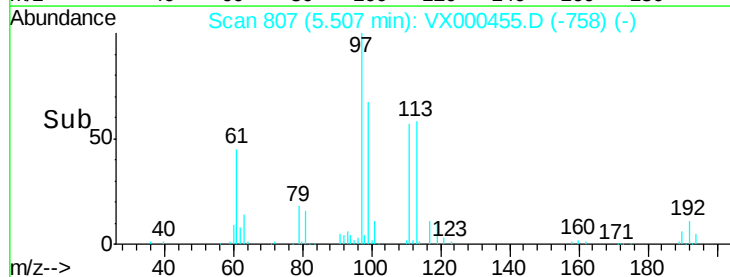
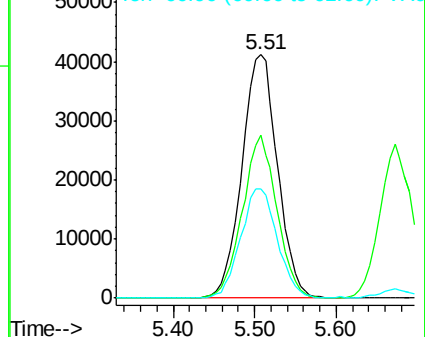
97 100

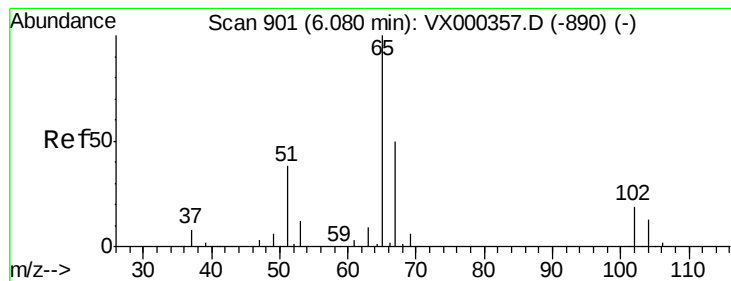
99 64.9 52.1 78.1

61 46.3 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.697 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

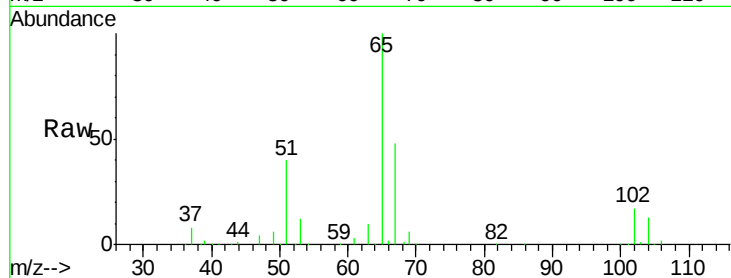
ClientSampleId :

Tot Ion: 65 Resp: 88211

Ion Ratio Lower Upper

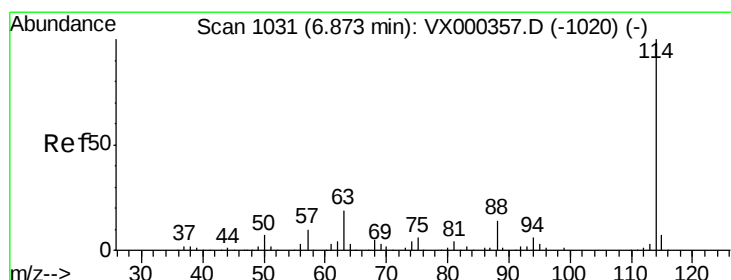
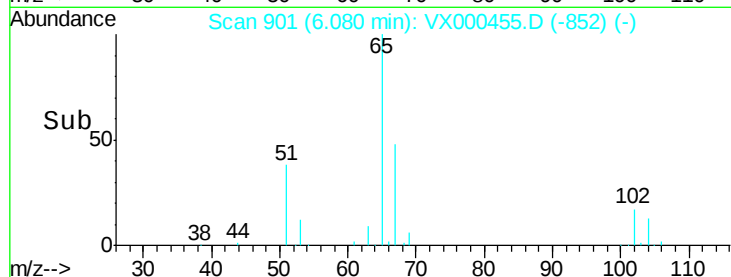
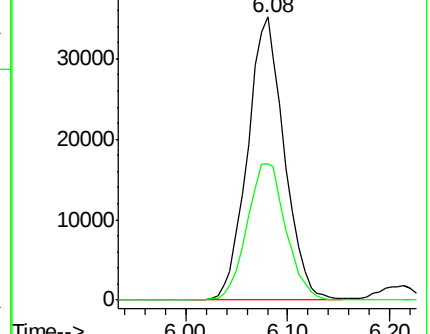
65 100

67 50.9 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

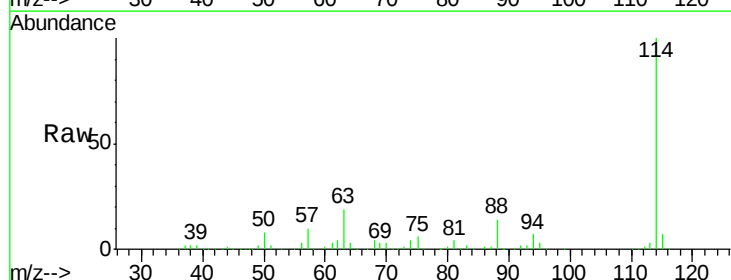
Tgt Ion: 114 Resp: 223180

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

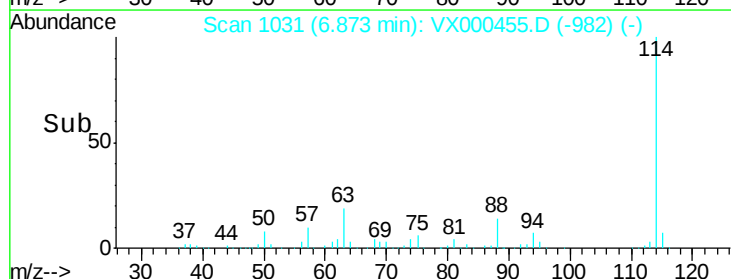
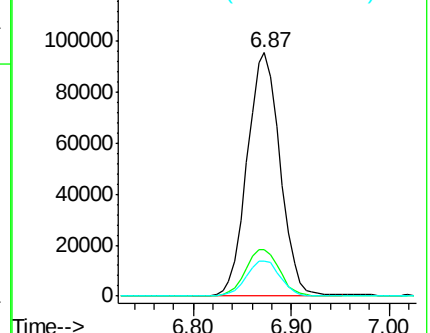
88 14.4 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.609 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampleId :

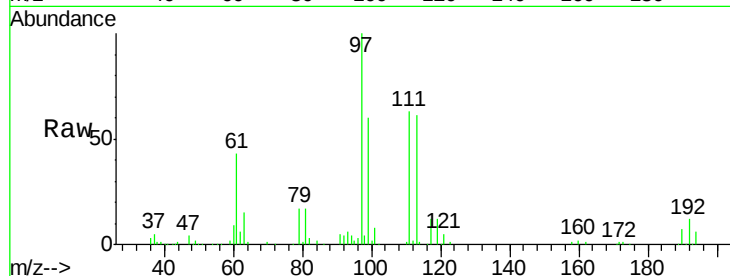
Tot Ion:113 Resp: 71168

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

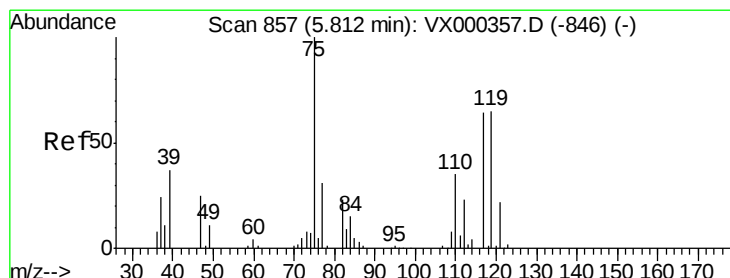
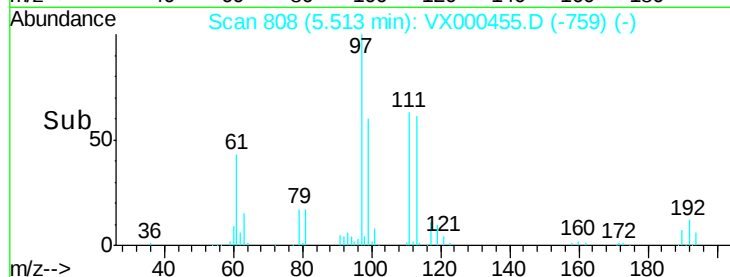
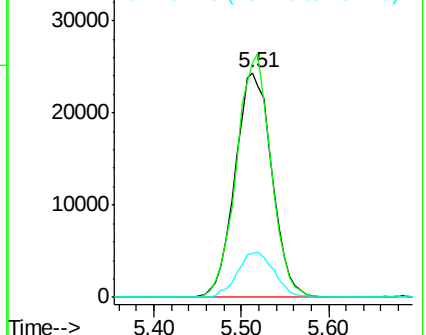
192 20.2 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.732 ug/l

RT: 5.81 min Scan# 857

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

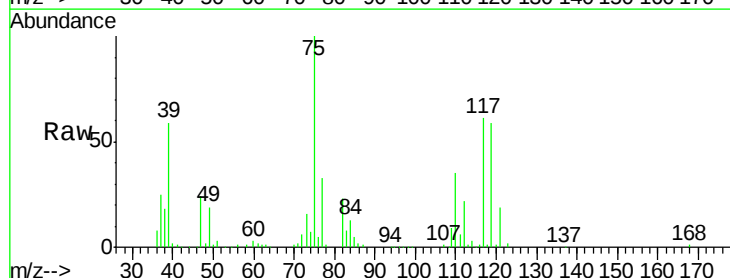
Tgt Ion: 75 Resp: 103967

Ion Ratio Lower Upper

75 100

110 36.3 17.9 53.7

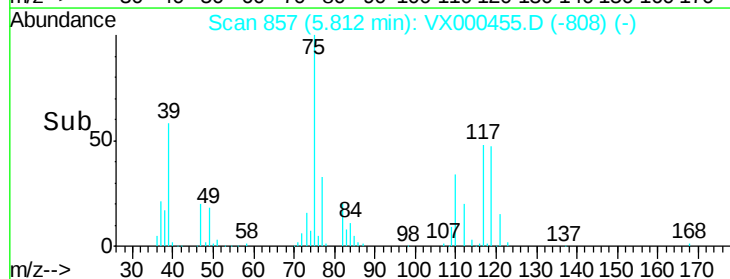
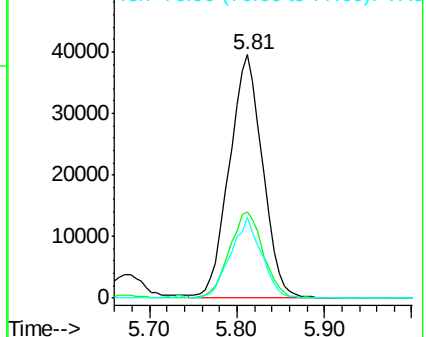
77 31.1 24.0 36.0

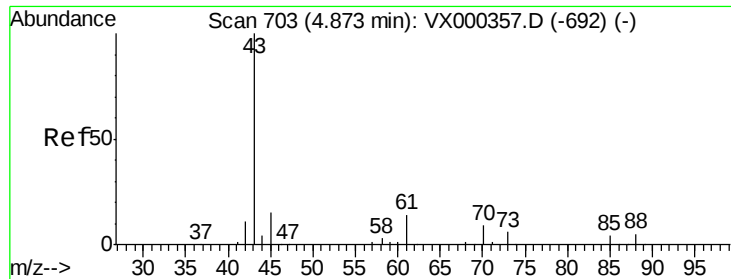


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

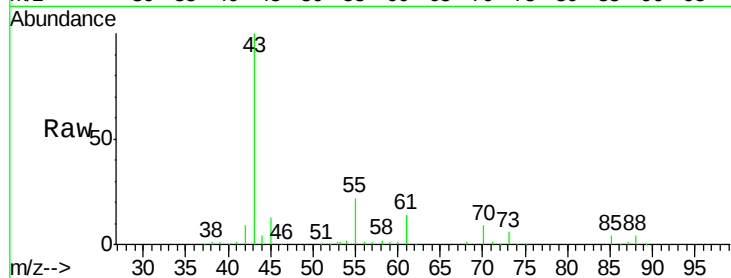




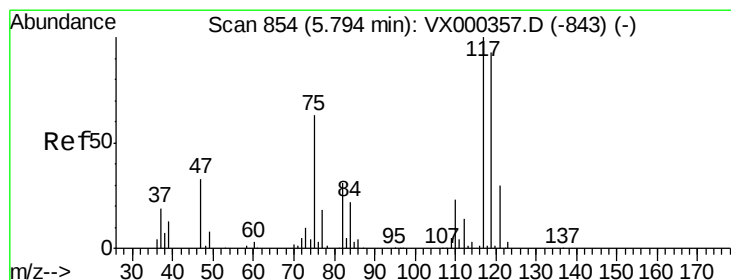
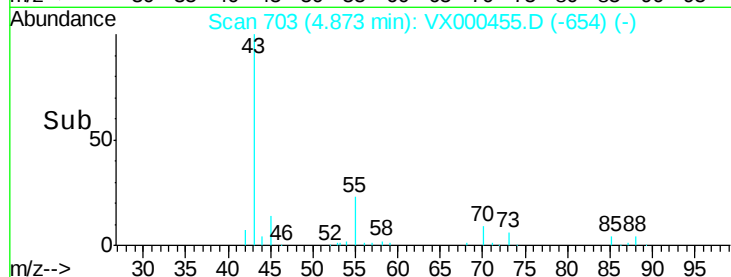
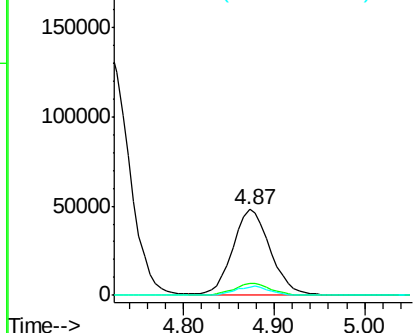
#37
Ethyl Acetate
Concen: 48.060 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 137240
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 9.5 7.7 11.5

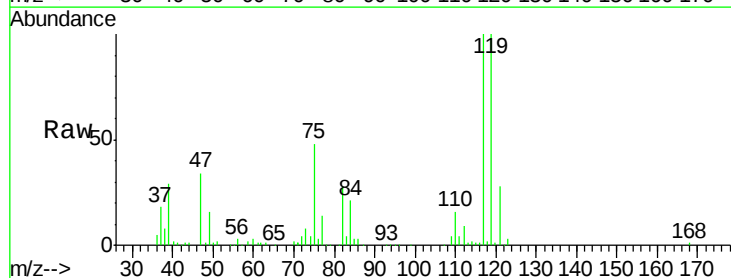


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

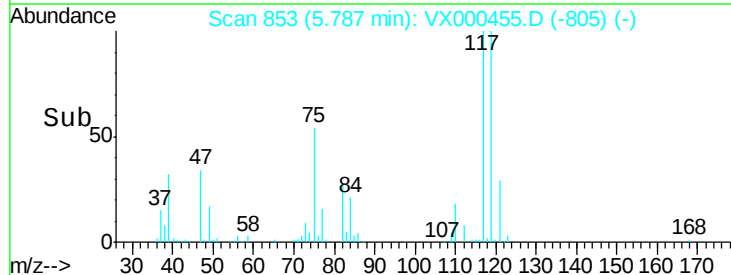
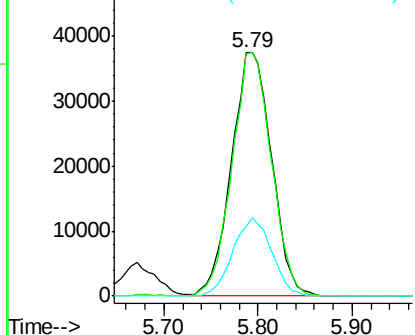


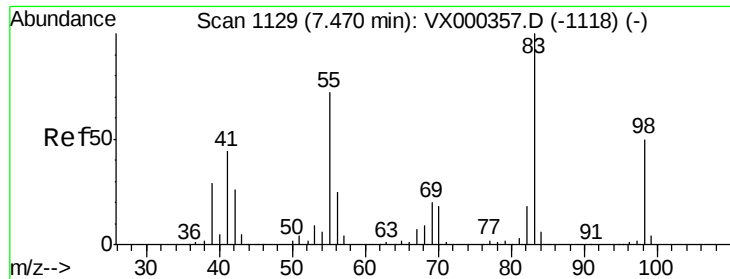
#38
Carbon Tetrachloride
Concen: 50.619 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Tgt Ion: 117 Resp: 111016
Ion Ratio Lower Upper
117 100
119 99.7 77.4 116.2
121 28.5 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

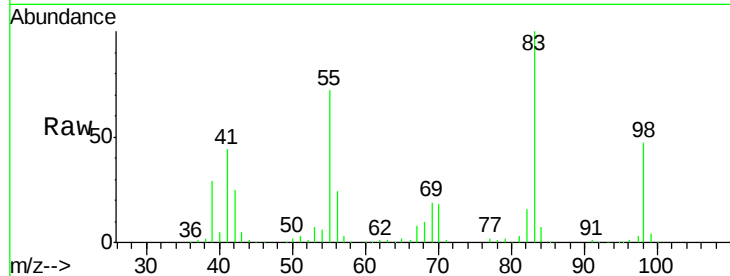




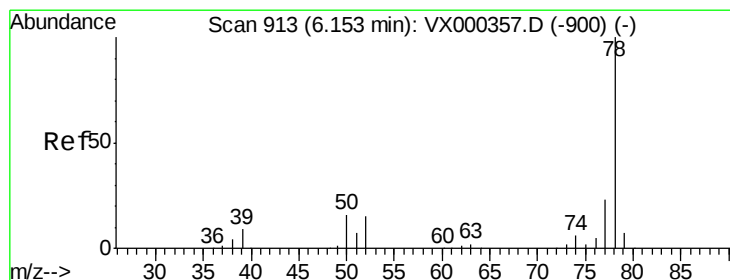
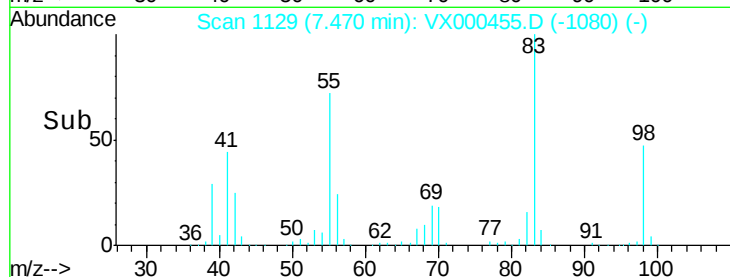
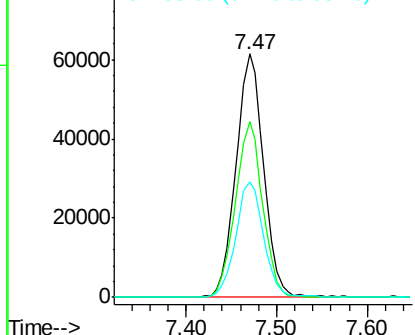
#39
Methvlcvclohexane
Concen: 50.994 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 129649
Ion Ratio Lower Upper
83 100
55 72.0 55.5 83.3
98 47.5 38.2 57.4

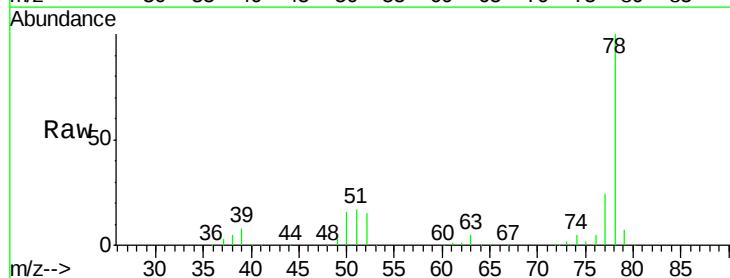


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

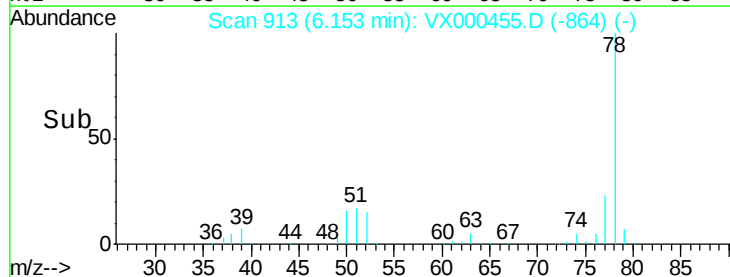
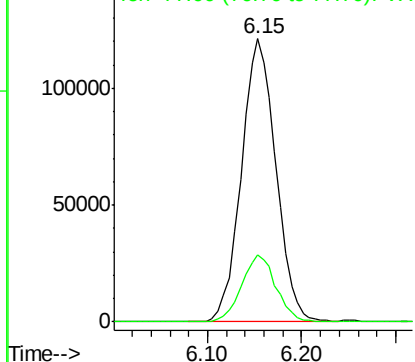


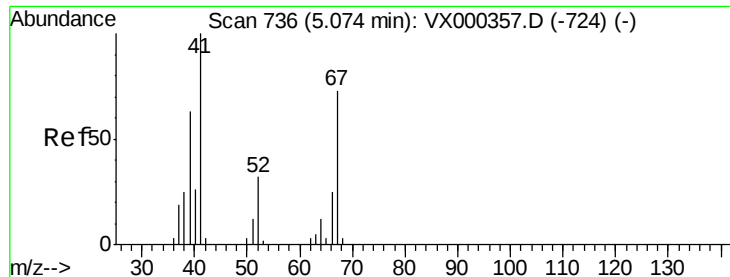
#40
Benzene
Concen: 51.155 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Tgt Ion: 78 Resp: 310560
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

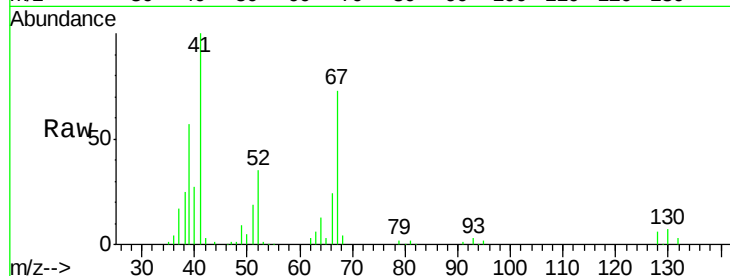




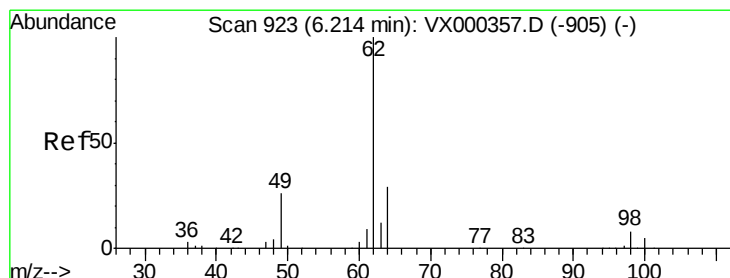
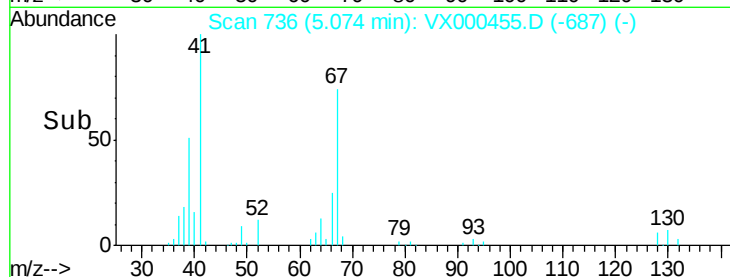
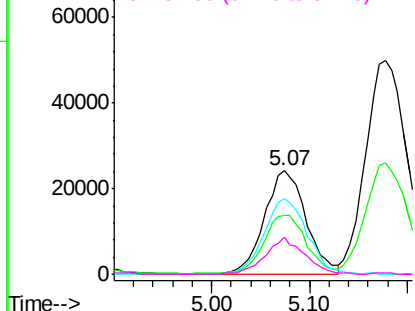
#41
Methacrylonitrile
Concen: 47.991 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 72251
Ion Ratio Lower Upper
41 100
39 57.8 45.7 68.5
67 75.1 57.8 86.8
52 32.8 26.7 40.1

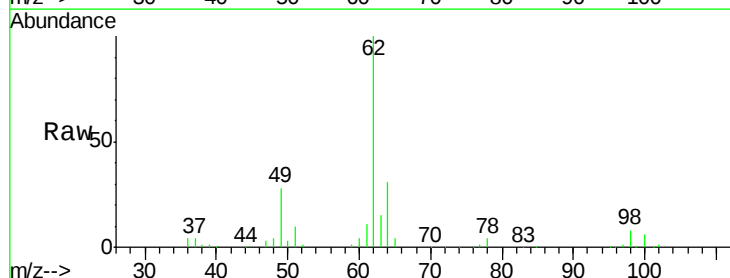


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

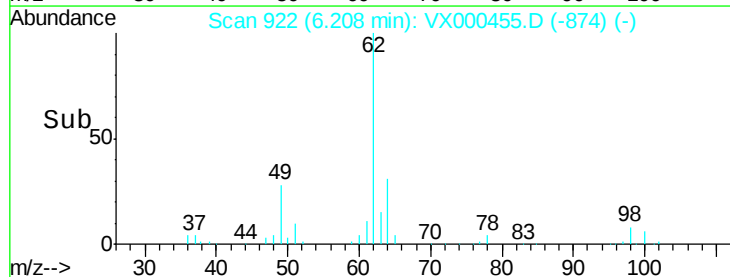
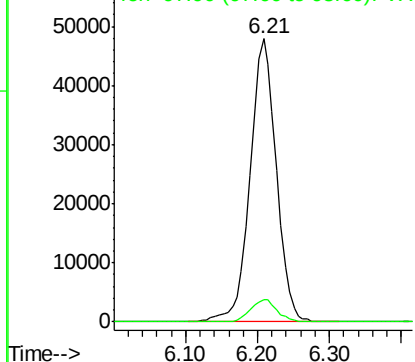


#42
1,2-Dichloroethane
Concen: 50.890 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.01 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Tgt Ion: 62 Resp: 121219
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.513 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampleId :

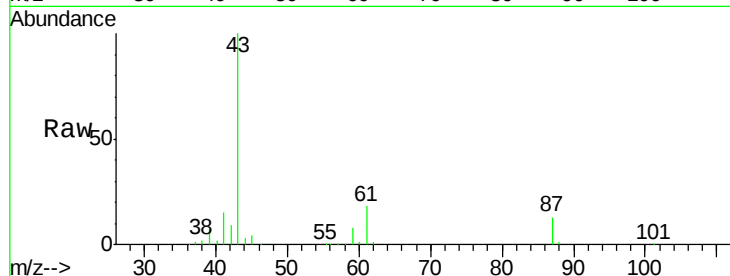
Tot Ion: 43 Resp: 218966

Ion Ratio Lower Upper

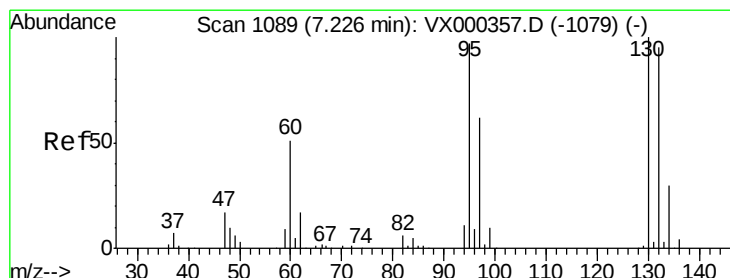
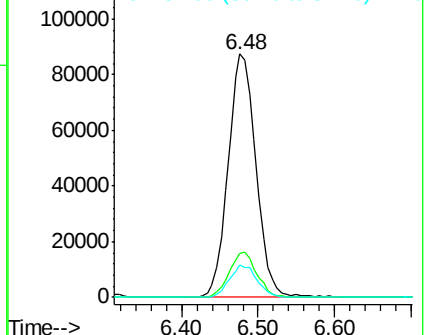
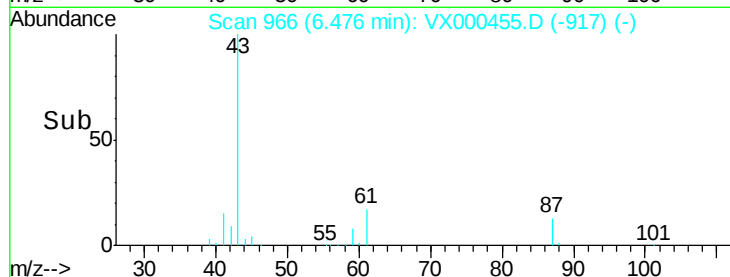
43 100

61 18.3 14.4 21.6

87 13.2 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VX000455.D (-917) (-)



#44

Trichloroethene

Concen: 48.780 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VX000455.D

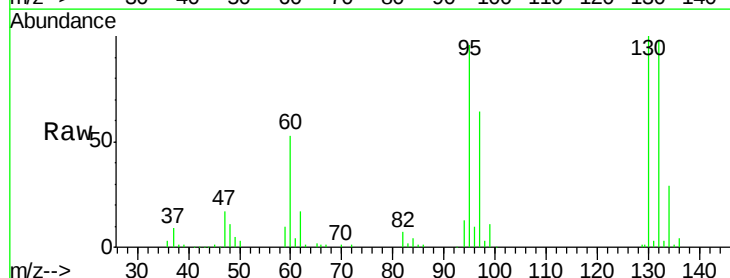
Acq: 26 Mar 2018 21:19

Tgt Ion:130 Resp: 84841

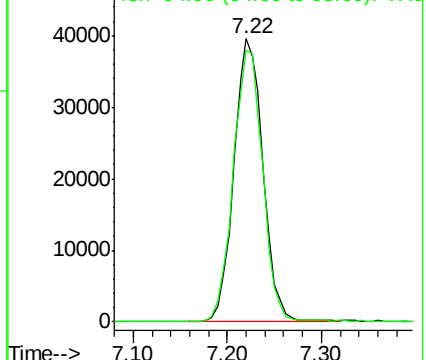
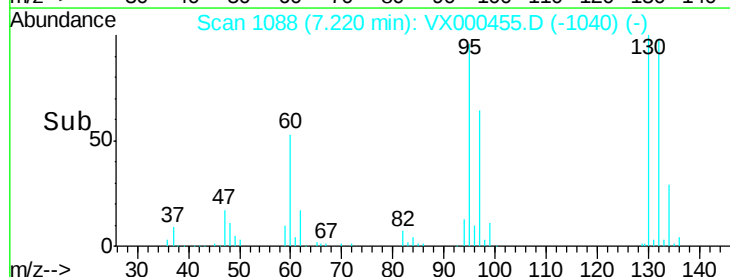
Ion Ratio Lower Upper

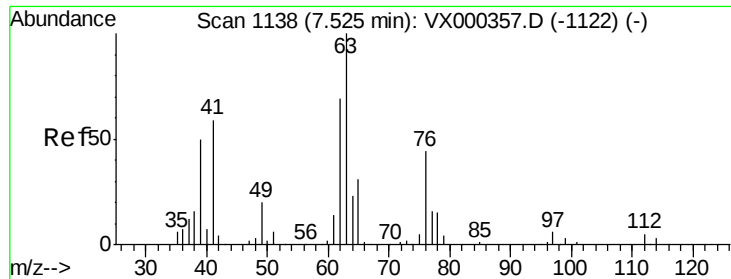
130 100

95 96.1 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): VX000455.D (-1040) (-)





#45

1,2-Dichloropropane

Concen: 52.400 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

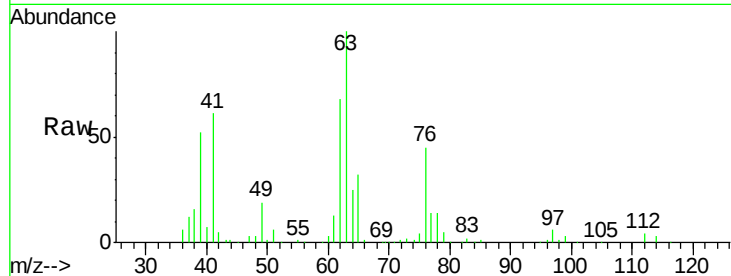
ClientSampled :

Tot Ion: 63 Resp: 81429

Ion Ratio Lower Upper

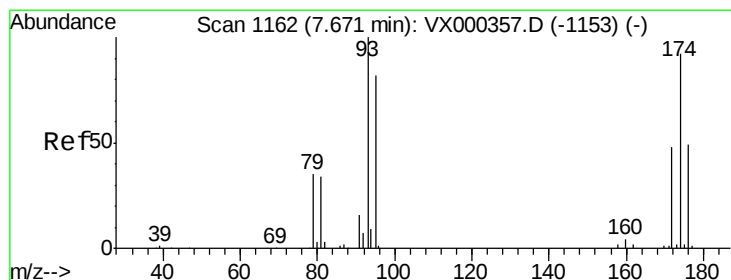
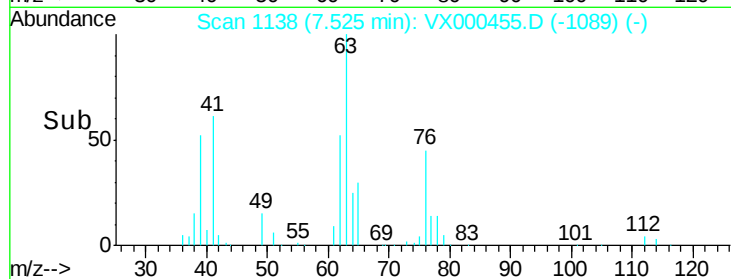
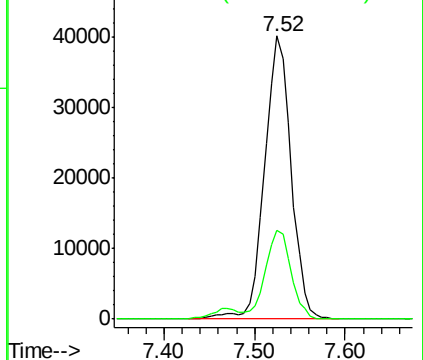
63 100

65 31.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.353 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

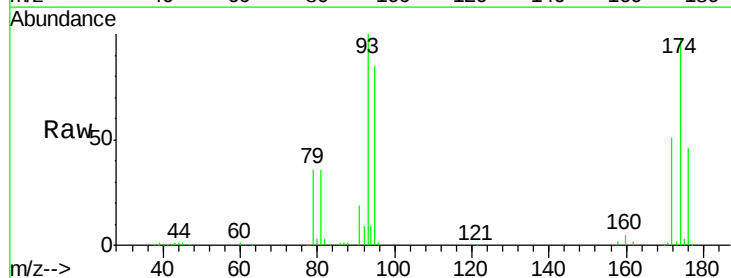
Tgt Ion: 93 Resp: 62639

Ion Ratio Lower Upper

93 100

95 82.0 66.5 99.7

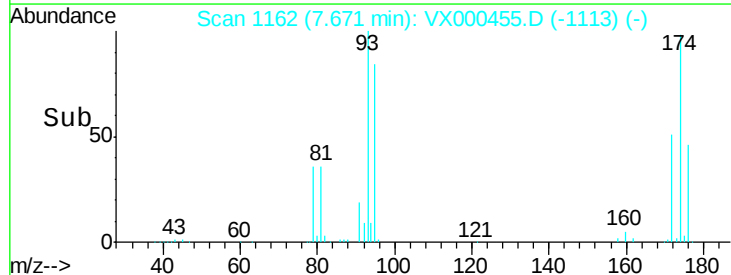
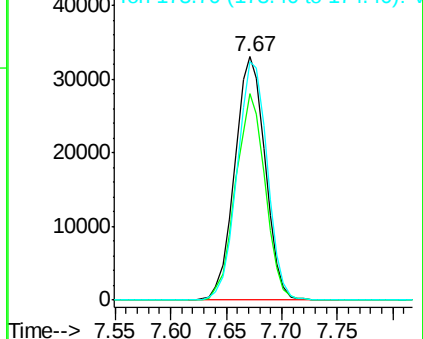
174 96.9 76.0 114.0

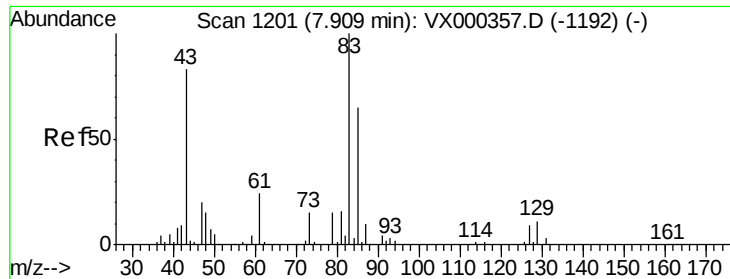


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.038 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampleId :

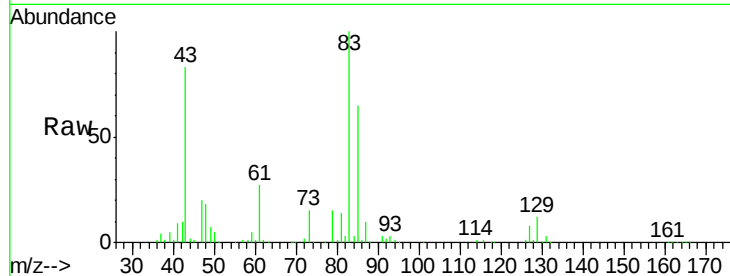
Tot Ion: 83 Resp: 115970

Ion Ratio Lower Upper

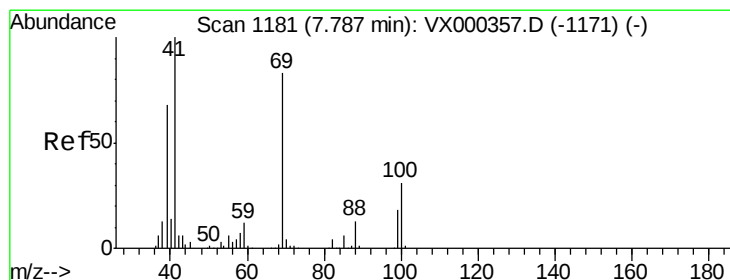
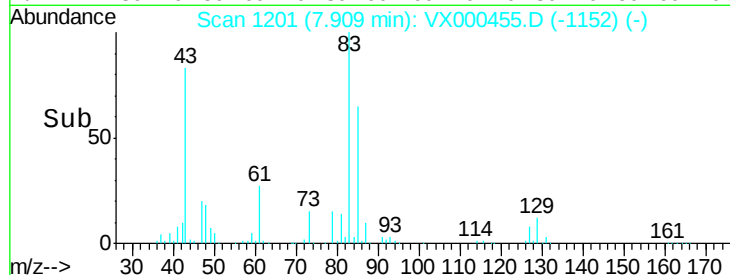
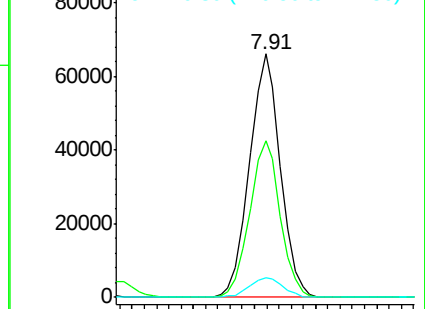
83 100

85 64.6 51.4 77.0

127 8.2 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.925 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

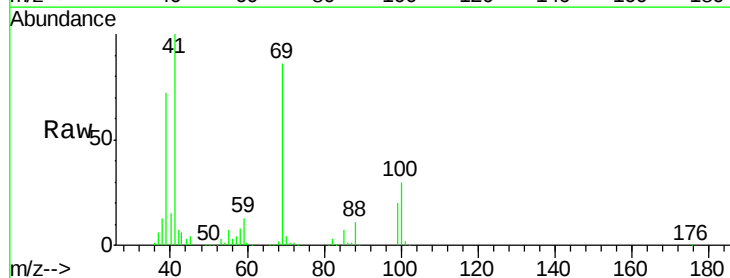
Tgt Ion: 41 Resp: 107157

Ion Ratio Lower Upper

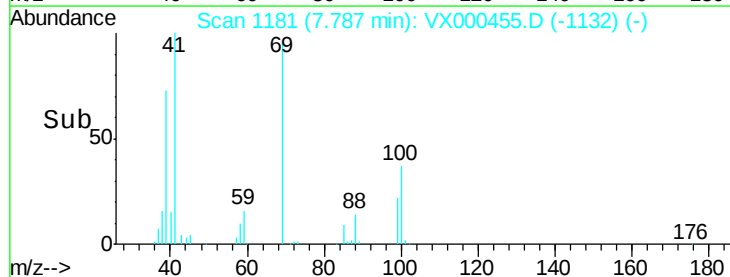
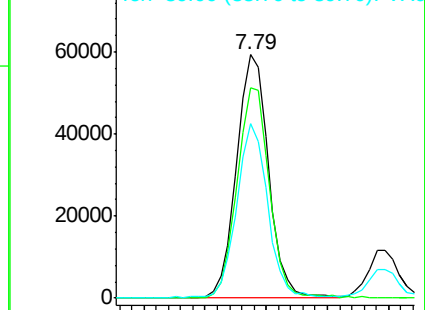
41 100

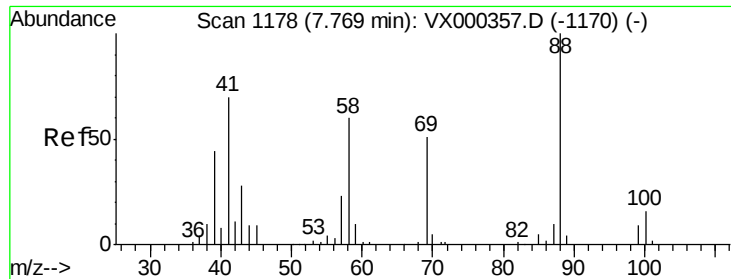
69 87.9 68.2 102.4

39 68.9 54.6 81.8



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

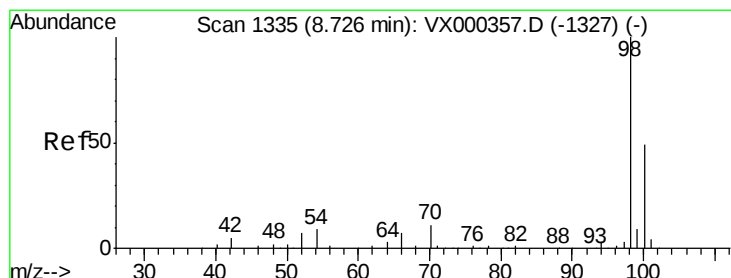
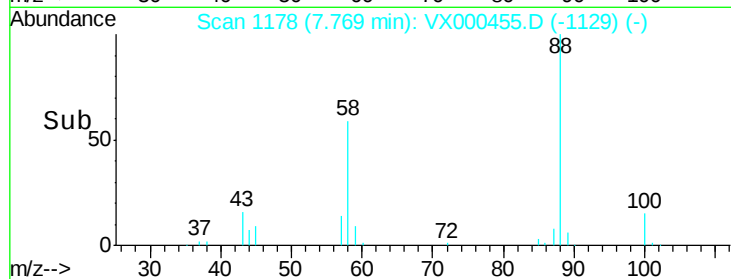
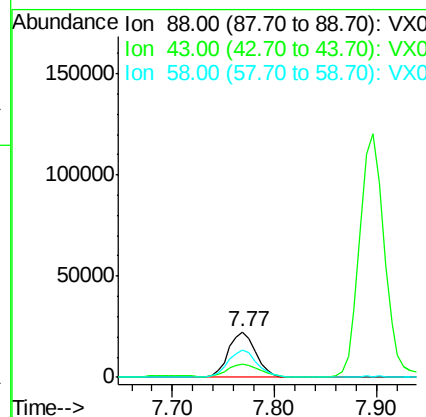
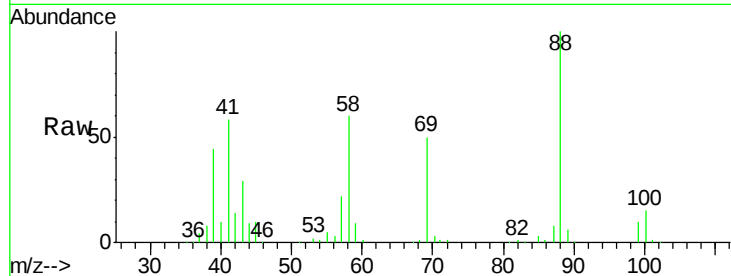




#49
1,4-Dioxane
Concen: 962.629 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

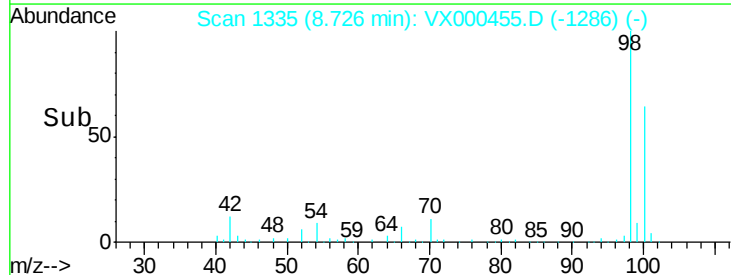
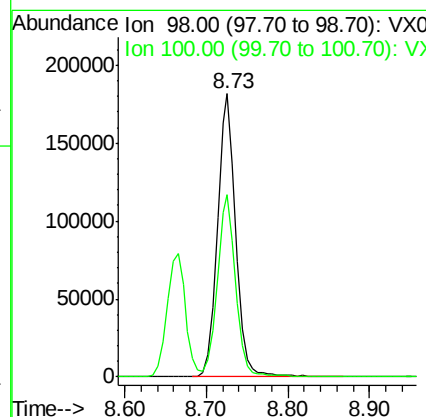
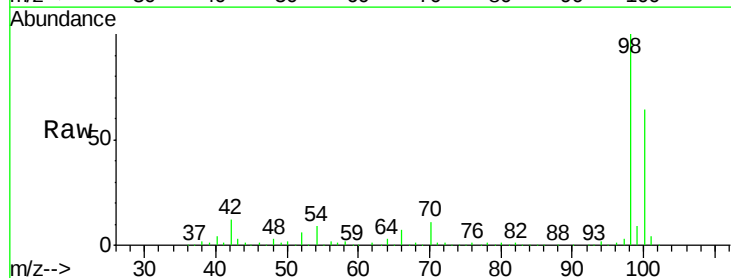
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 41757
Ion Ratio Lower Upper
88 100
43 33.7 26.8 40.2
58 63.3 52.2 78.2



#50
Toluene-d8
Concen: 49.096 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Tgt Ion: 98 Resp: 285939
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 259.344 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

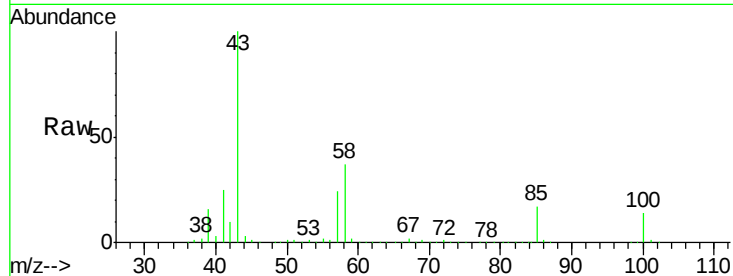
ClientSampled :

Tot Ion: 43 Resp: 853300

Ion Ratio Lower Upper

43 100

58 37.3 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

500000

400000

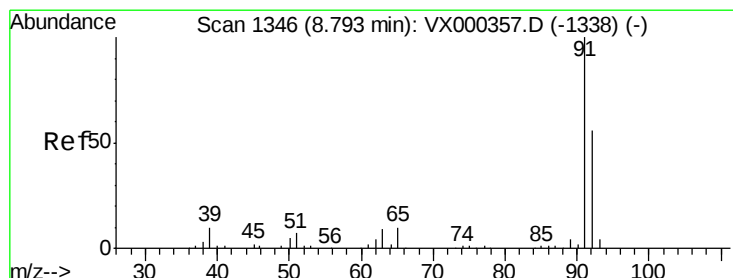
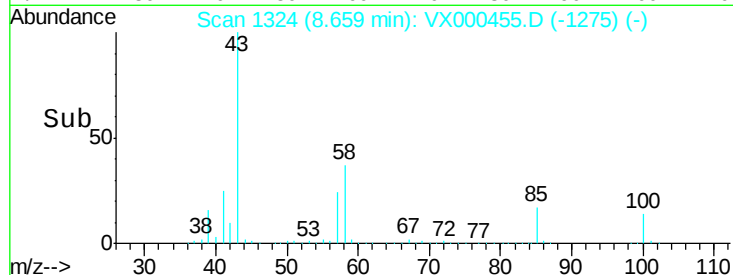
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.611 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000455.D

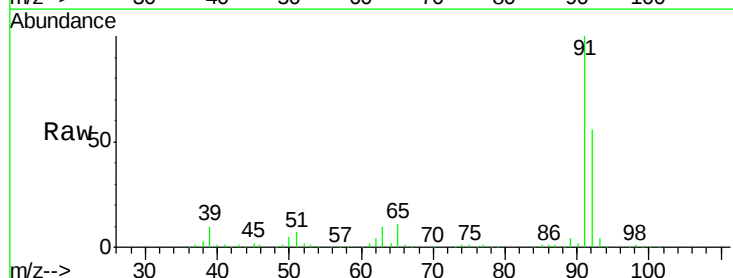
Acq: 26 Mar 2018 21:19

Tgt Ion: 92 Resp: 219049

Ion Ratio Lower Upper

92 100

91 176.8 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

300000

250000

200000

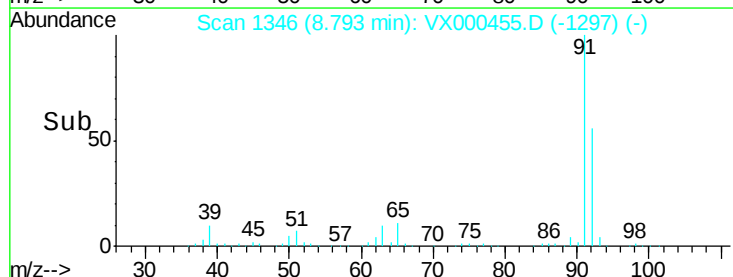
150000

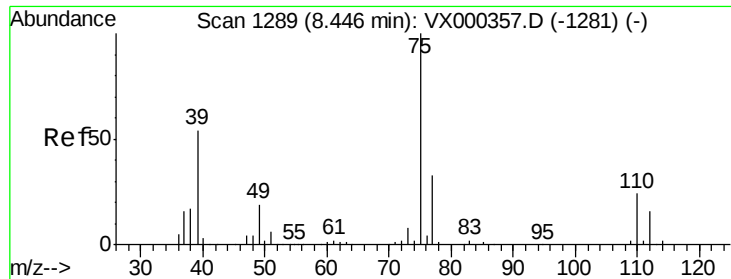
100000

50000

0

Time-->

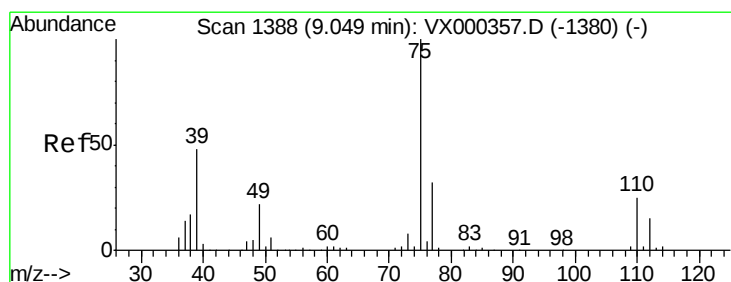
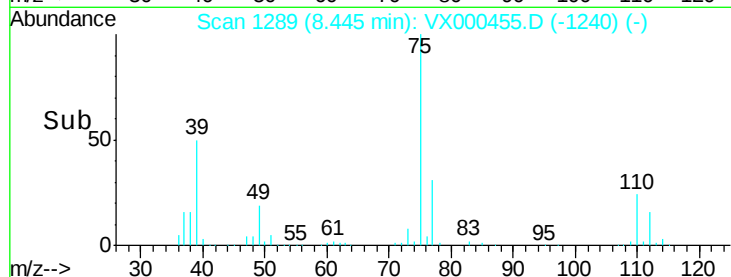
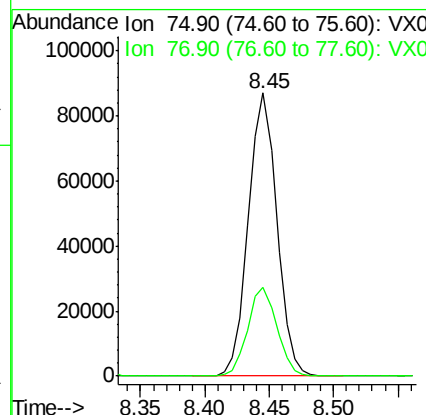
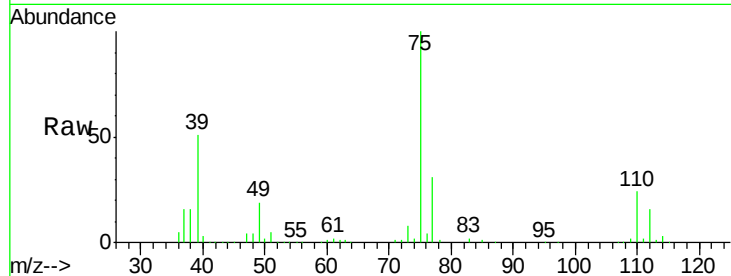




#53
 t-1,3-Dichloropropene
 Concen: 53.502 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

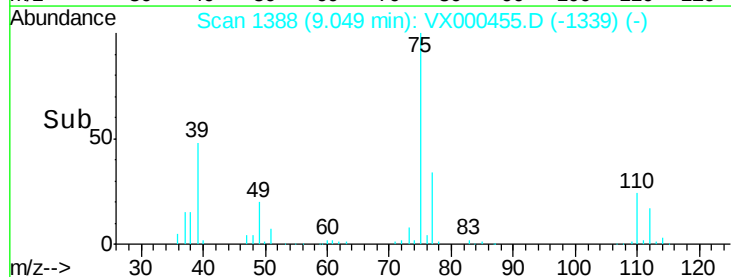
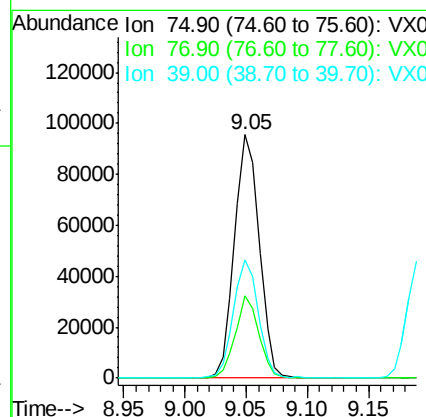
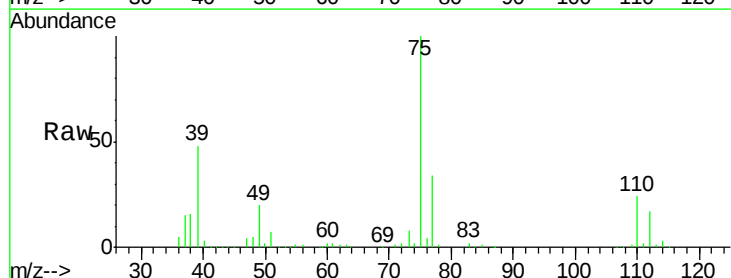
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 133050
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.0 36.0



#54
 cis-1,3-Dichloropropene
 Concen: 55.406 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

Tgt Ion: 75 Resp: 133654
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.1 39.1
 39 48.3 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 51.600 ug/l

RT: 9.23 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 97 Resp: 90060

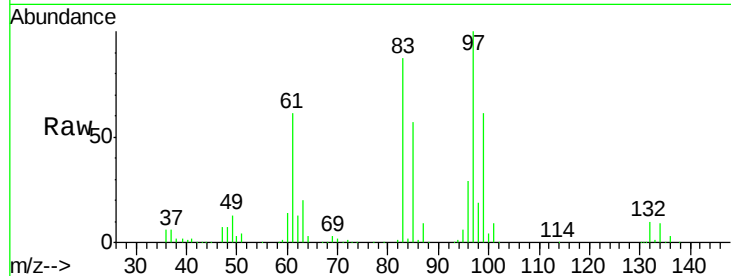
Ion Ratio Lower Upper

97 100

83 86.8 67.9 101.9

85 56.8 42.8 64.2

99 61.4 49.4 74.2

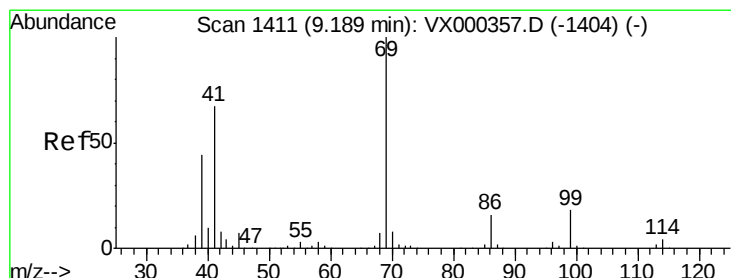
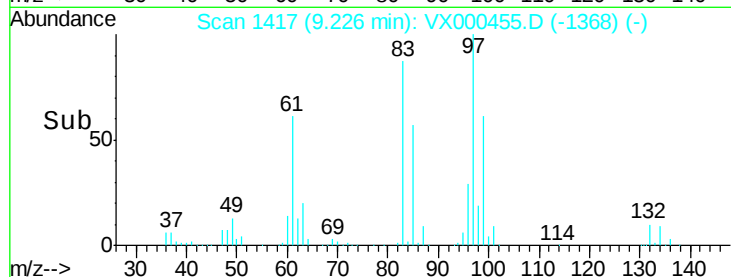
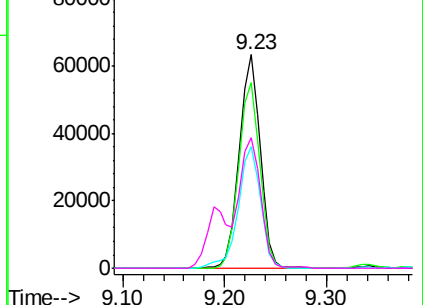


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 53.594 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

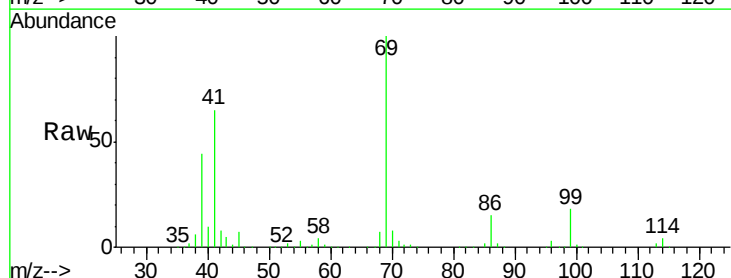
Tgt Ion: 69 Resp: 141744

Ion Ratio Lower Upper

69 100

41 66.5 53.0 79.6

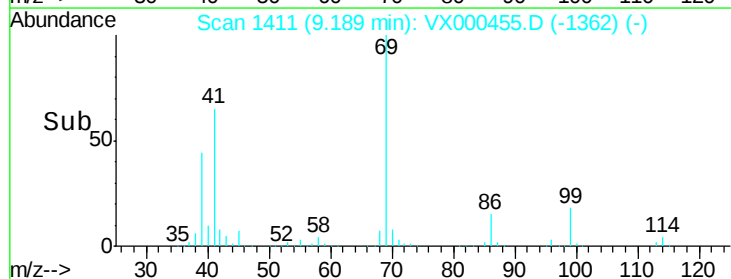
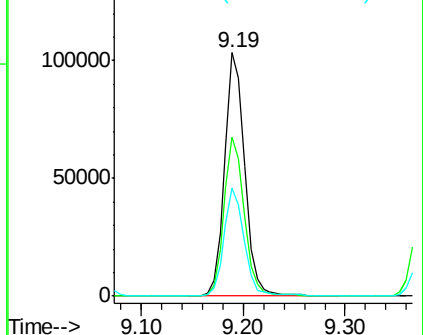
39 44.2 35.3 52.9

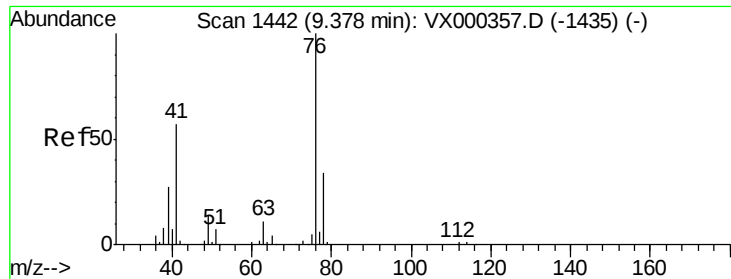


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 54.184 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

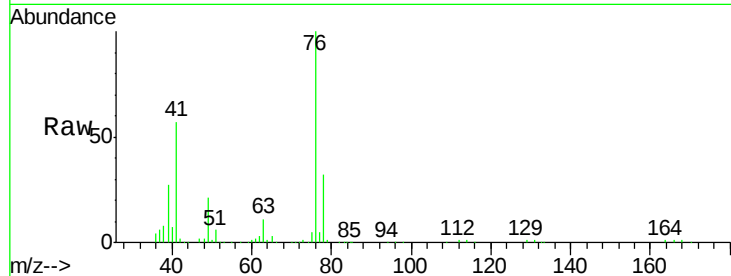
ClientSampleId :

Tot Ion: 76 Resp: 151260

Ion Ratio Lower Upper

76 100

78 32.3 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

120000

100000

80000

60000

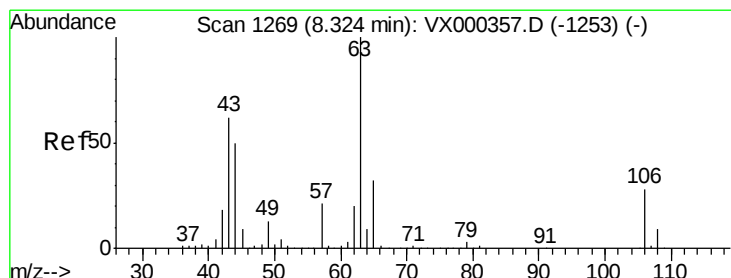
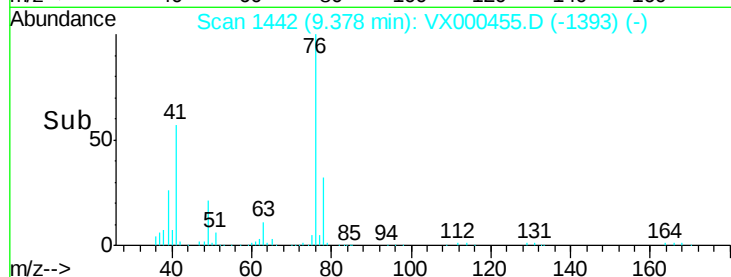
40000

20000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.641 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000455.D

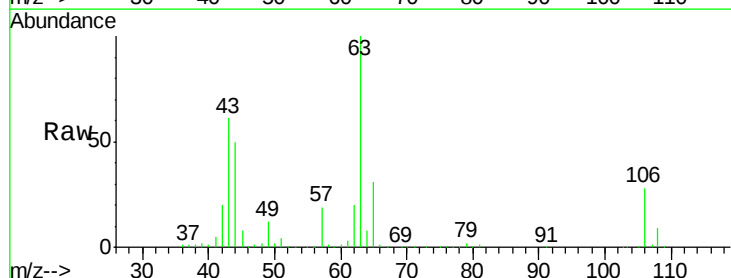
Acq: 26 Mar 2018 21:19

Tgt Ion: 63 Resp: 310531

Ion Ratio Lower Upper

63 100

106 27.6 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

250000

200000

150000

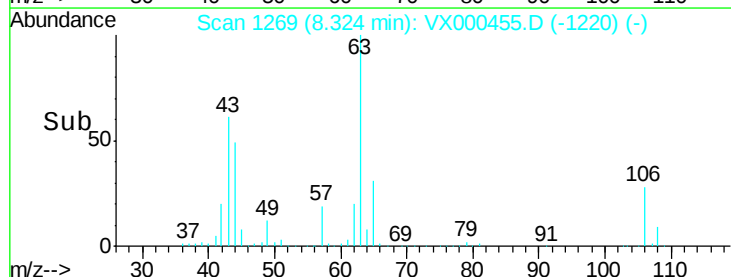
100000

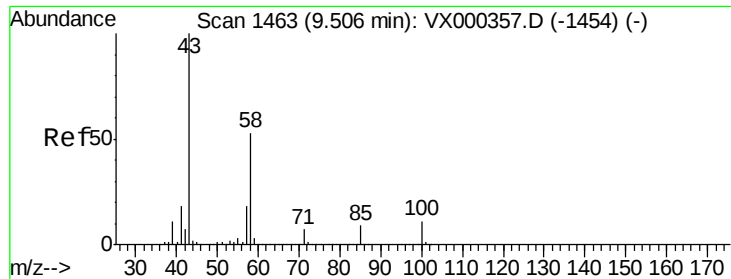
50000

0

8.20 8.30 8.40

Time-->

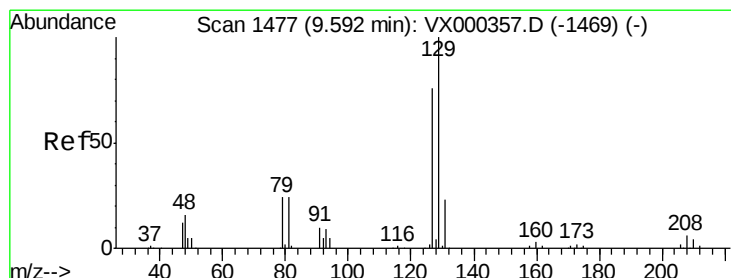
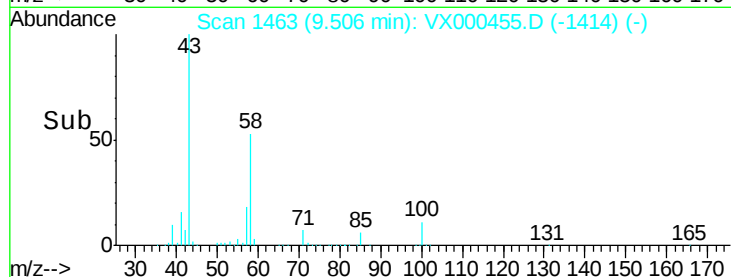
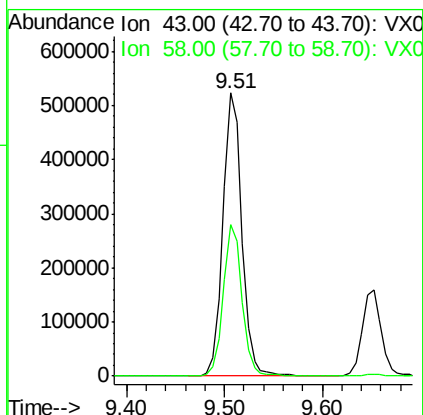
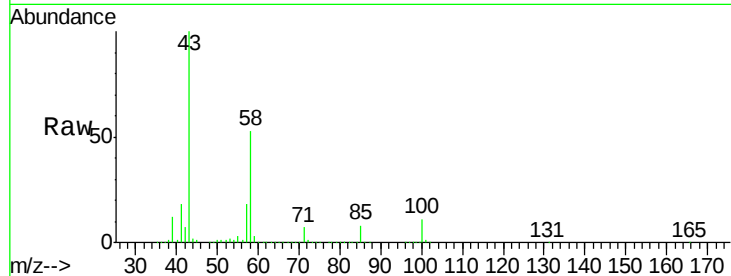




#59
2-Hexanone
Concen: 252.596 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

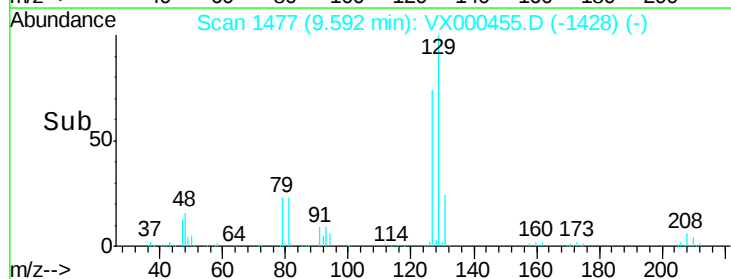
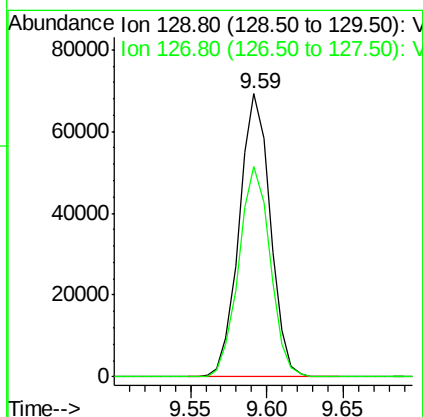
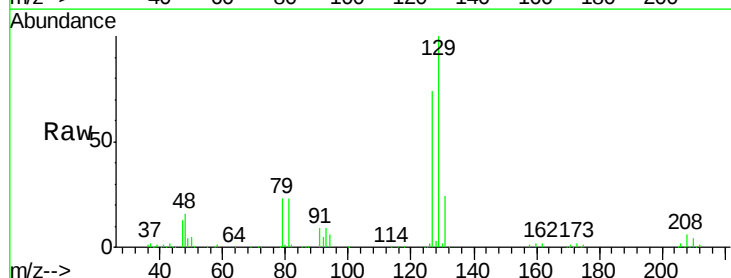
Instrument :
MSVOA_X
ClientSampleId :

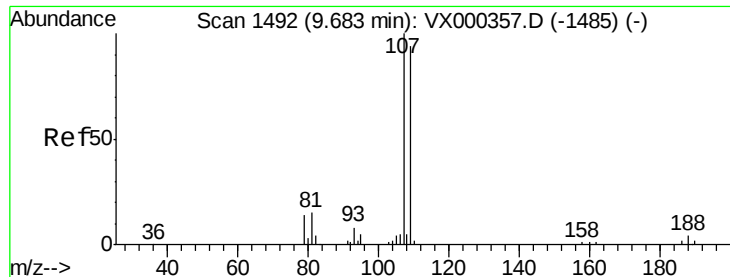
Tot Ion: 43 Resp: 705695
Ion Ratio Lower Upper
43 100
58 52.7 26.6 79.7



#60
Dibromochloromethane
Concen: 47.510 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Tgt Ion: 129 Resp: 97668
Ion Ratio Lower Upper
129 100
127 75.3 37.9 113.6





#61

1,2-Dibromoethane

Concen: 52.195 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

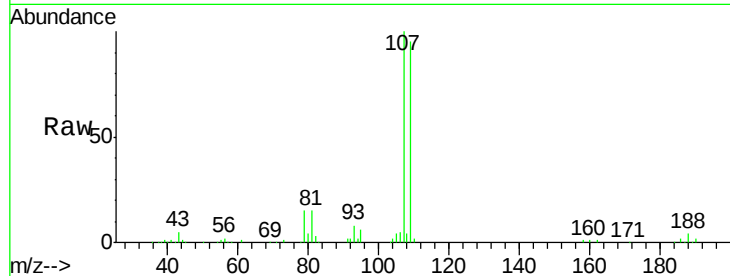
ClientSampleId :

Tot Ion:107 Resp: 97692

Ion Ratio Lower Upper

107 100

109 94.8 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

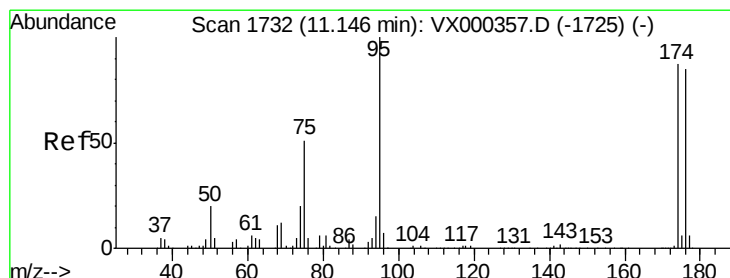
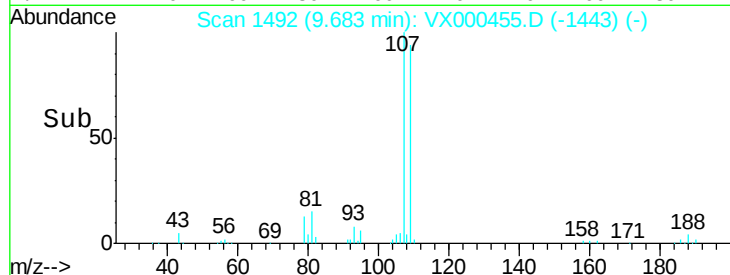
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 45.649 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

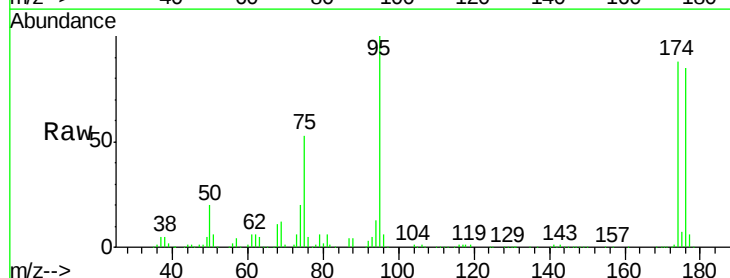
Tgt Ion: 95 Resp: 110845

Ion Ratio Lower Upper

95 100

174 88.1 0.0 173.6

176 86.2 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

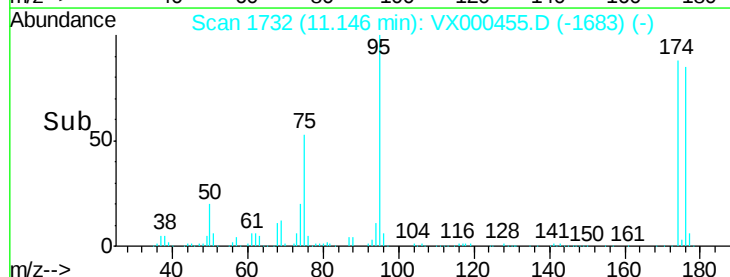
40000

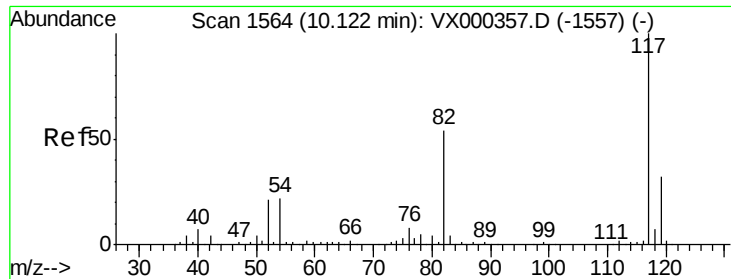
20000

0

11.10 11.20

Time-->

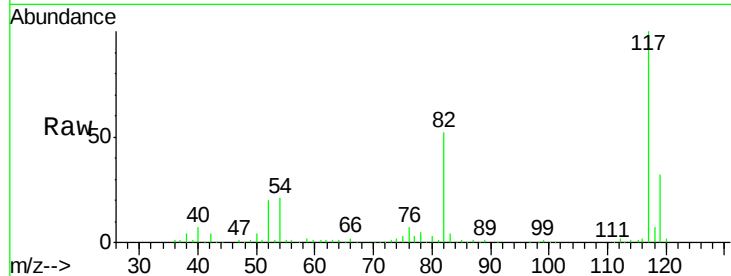




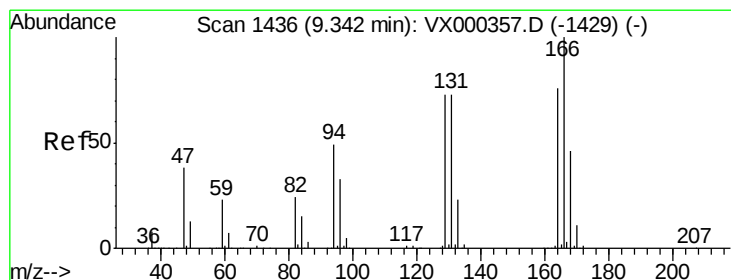
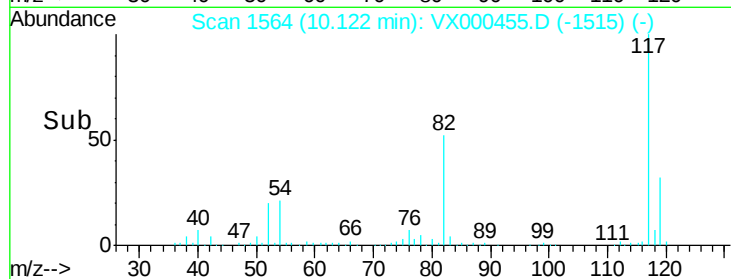
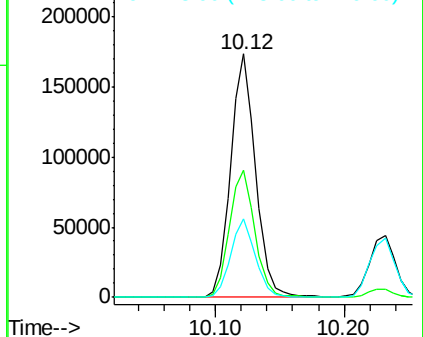
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 234501
Ion Ratio Lower Upper
117 100
82 52.2 43.8 65.8
119 32.0 24.9 37.3

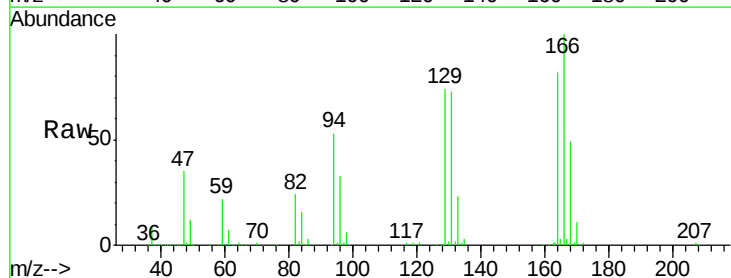


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VXO
Ion 118.90 (118.60 to 119.60): V

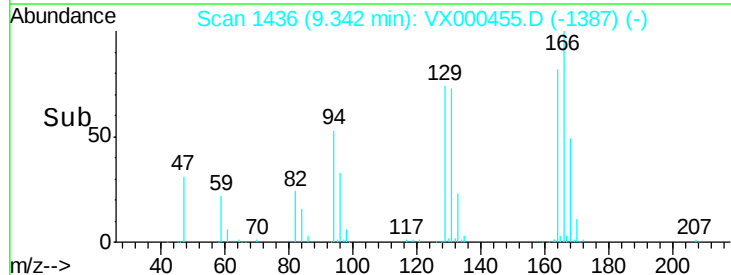
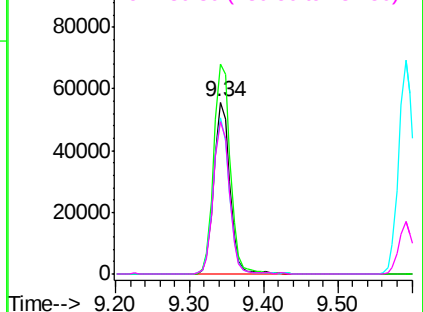


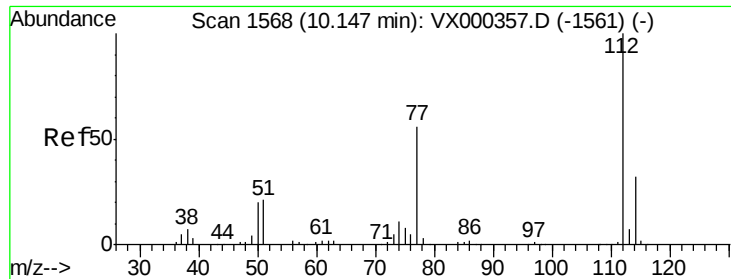
#64
Tetrachloroethene
Concen: 45.266 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Tgt Ion:164 Resp: 82371
Ion Ratio Lower Upper
164 100
166 122.4 101.0 151.6
129 90.7 79.0 118.4
131 88.8 71.9 107.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

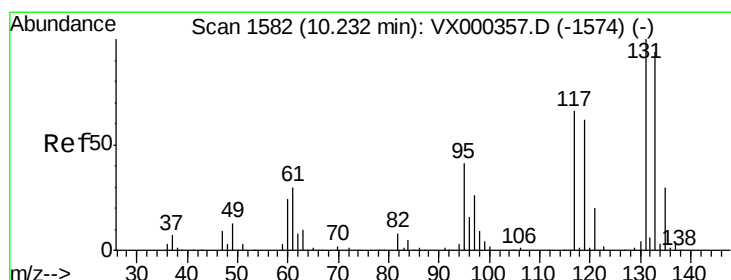
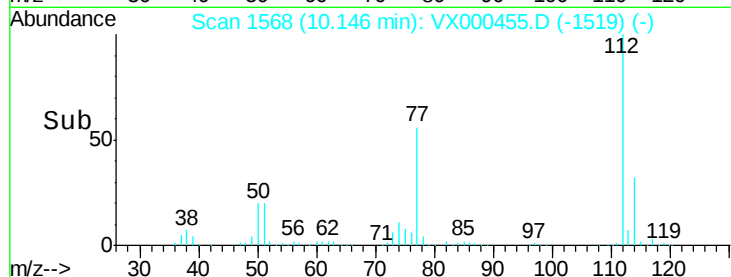
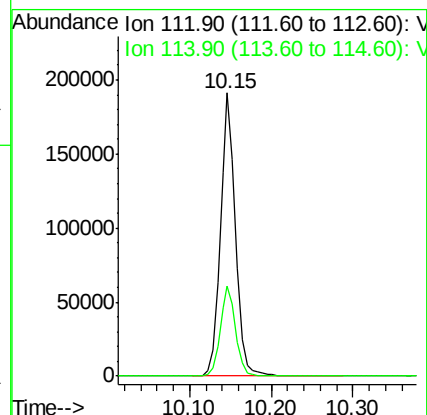
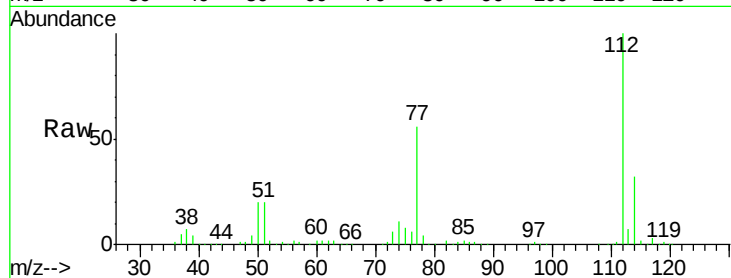




#65
Chlorobenzene
Concen: 47.745 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

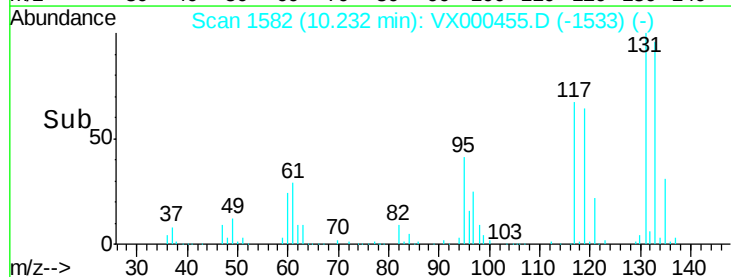
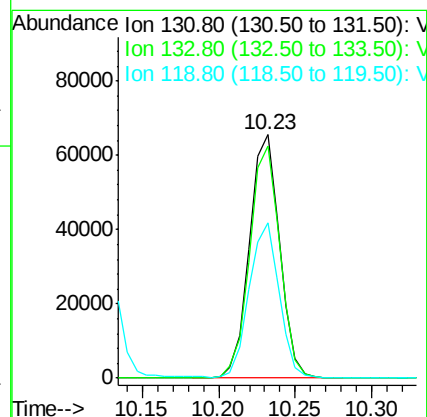
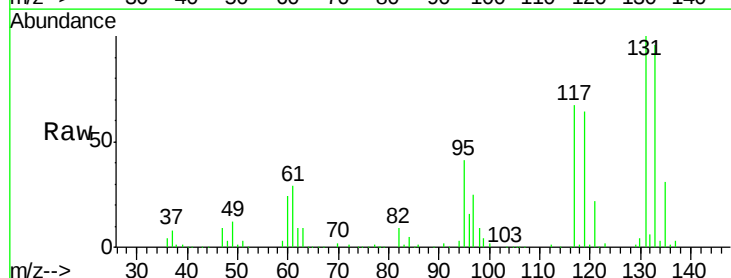
Instrument :
MSVOA_X
ClientSampled :

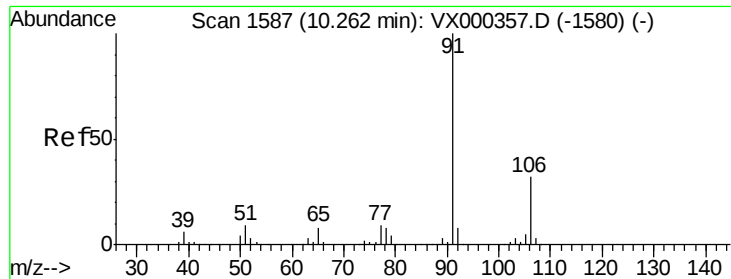
Tot Ion:112 Resp: 249170
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 50.700 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Tgt Ion:131 Resp: 89860
Ion Ratio Lower Upper
131 100
133 95.4 47.1 141.3
119 63.6 33.1 99.2

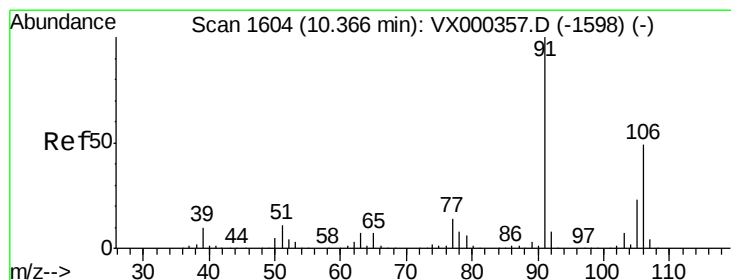
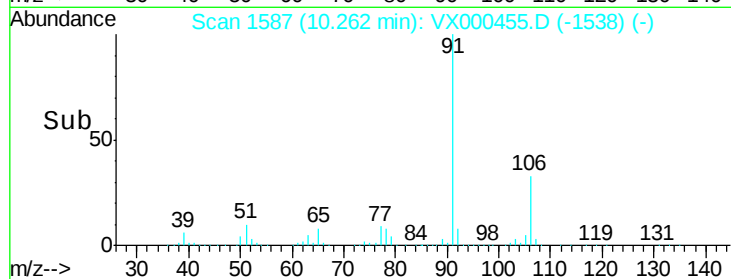
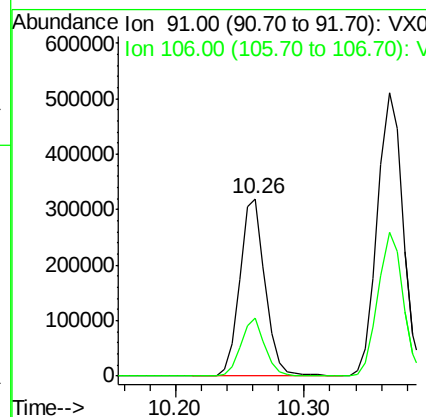
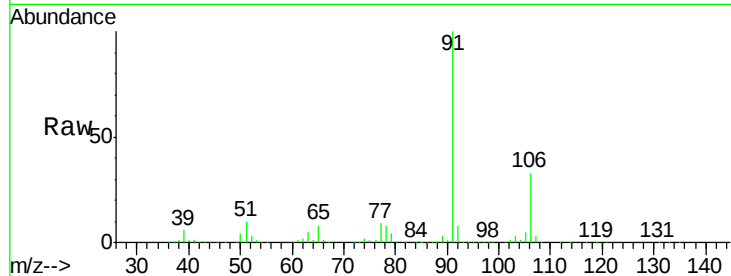




#67
Ethyl Benzene
Concen: 49.363 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

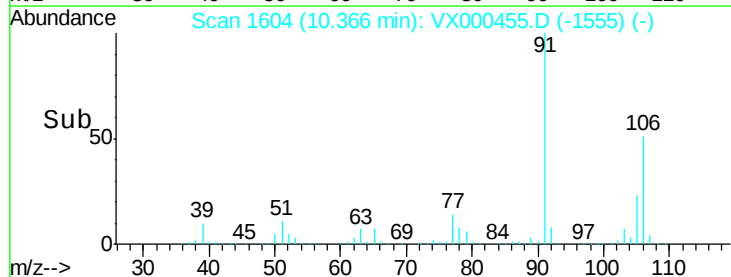
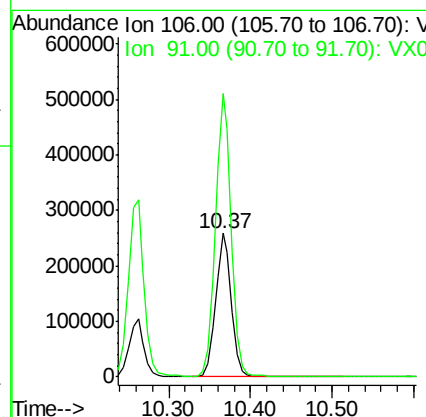
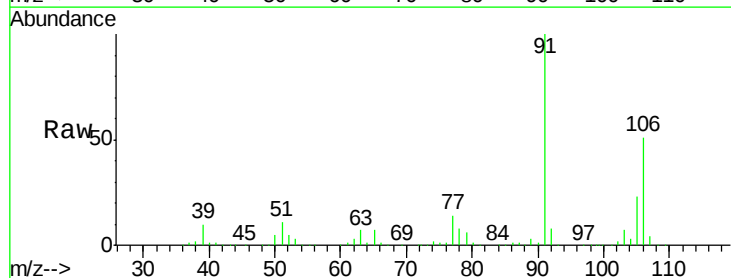
Instrument :
MSVOA_X
ClientSampled :

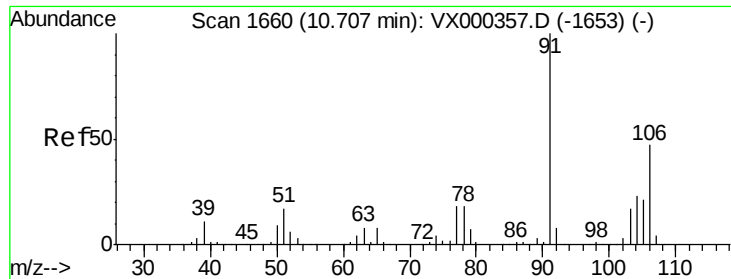
Tot Ion: 91 Resp: 436701
Ion Ratio Lower Upper
91 100
106 32.5 25.0 37.6



#68
m/p-Xylenes
Concen: 101.022 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Tgt Ion: 106 Resp: 351673
Ion Ratio Lower Upper
106 100
91 200.0 163.4 245.2

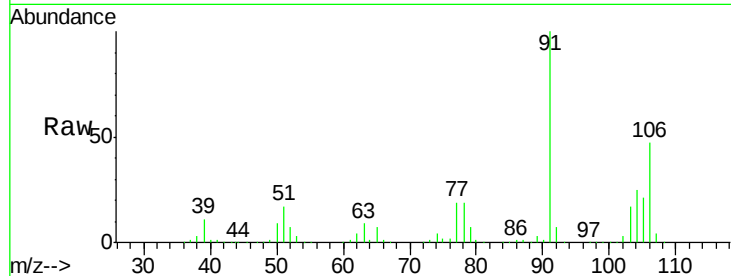




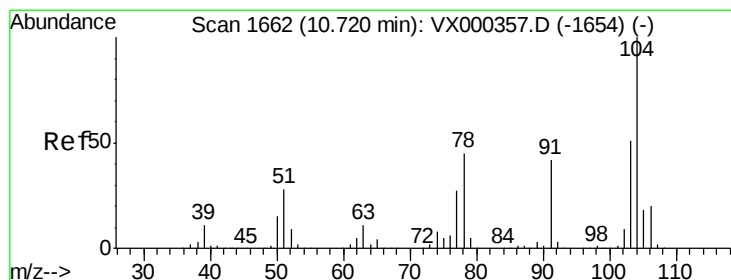
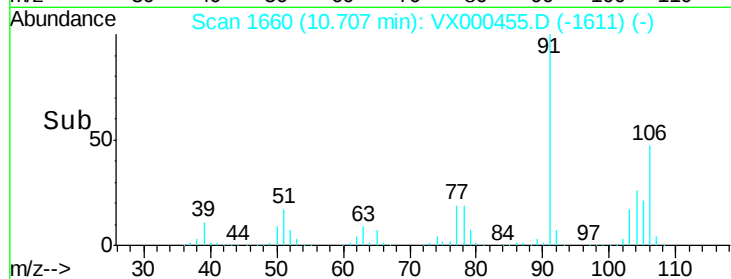
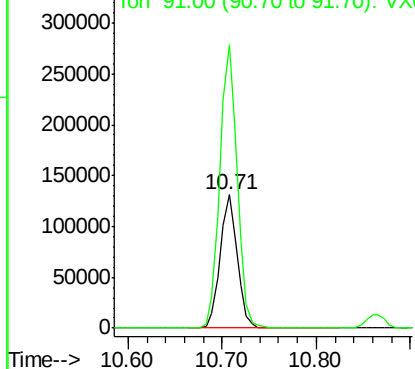
#69
o-Xylene
Concen: 49.289 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 166132
Ion Ratio Lower Upper
106 100
91 215.2 106.5 319.6

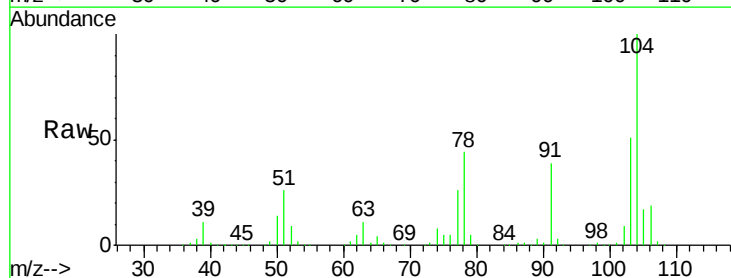


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

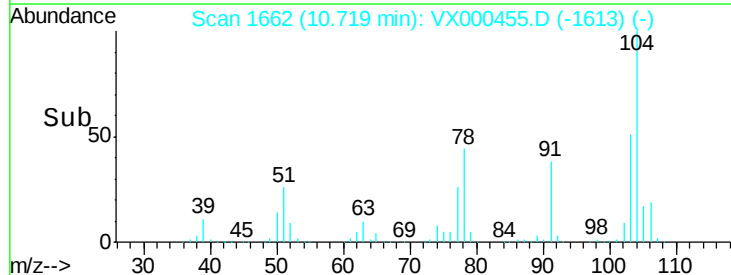
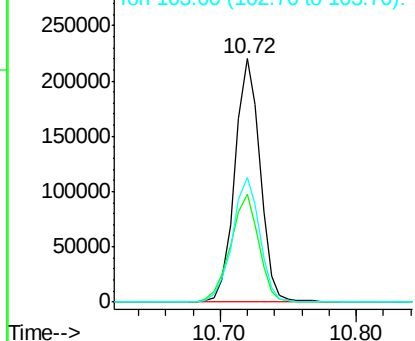


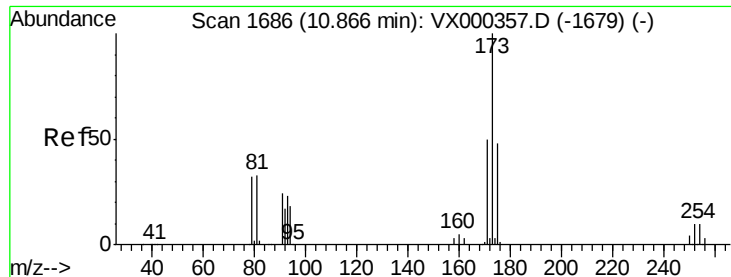
#70
Styrene
Concen: 51.142 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000455.D
Acq: 26 Mar 2018 21:19

Tgt Ion:104 Resp: 285224
Ion Ratio Lower Upper
104 100
78 49.4 40.5 60.7
103 55.6 45.7 68.5



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





#71

Bromoform

Concen: 42.854 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampleId :

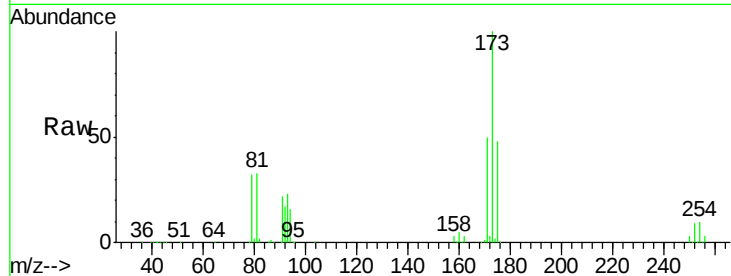
Tot Ion:173 Resp: 77754

Ion Ratio Lower Upper

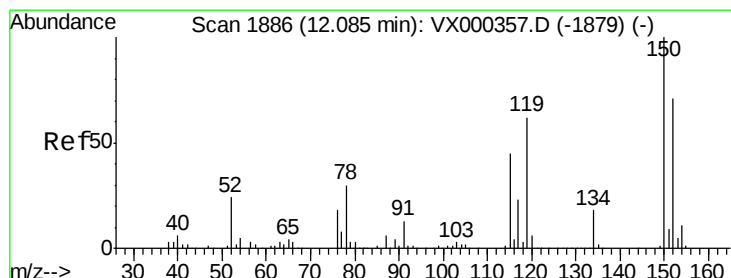
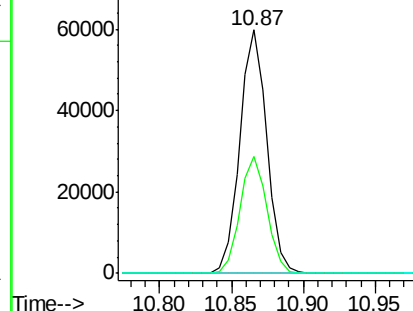
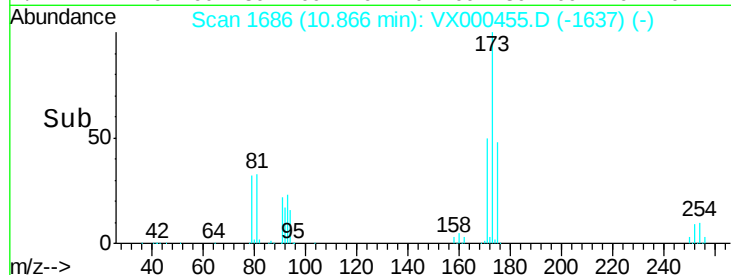
173 100

175 48.1 25.4 76.4

254 0.1 0.0 0.0#



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: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

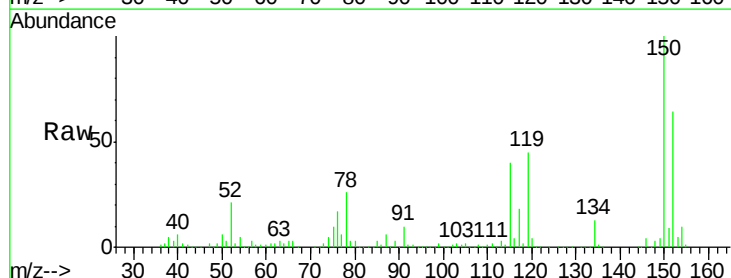
Tgt Ion:152 Resp: 148083

Ion Ratio Lower Upper

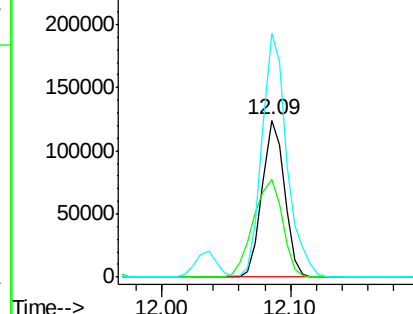
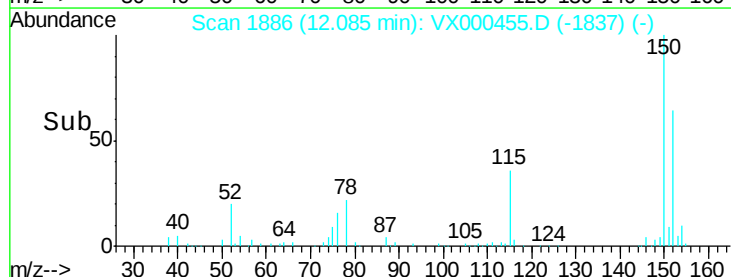
152 100

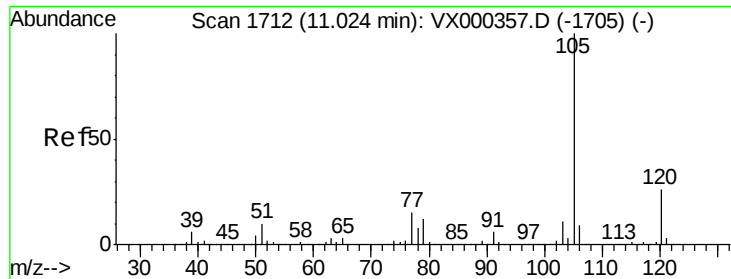
115 81.4 39.8 119.3

150 172.0 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: 46.801 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

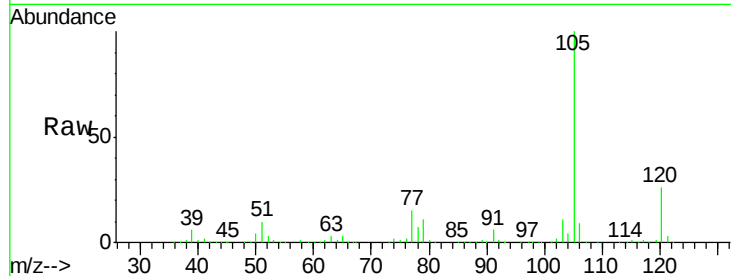
ClientSampleId :

Tot Ion:105 Resp: 459181

Ion Ratio Lower Upper

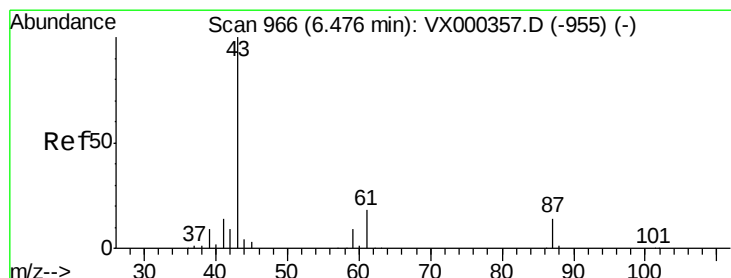
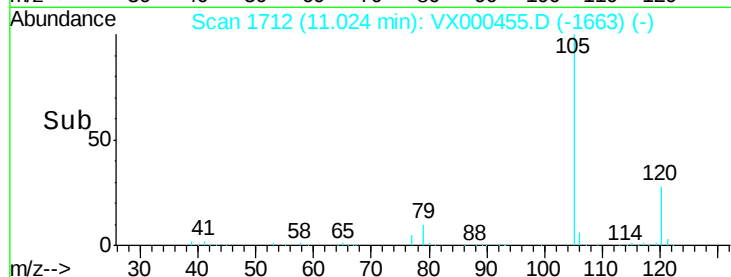
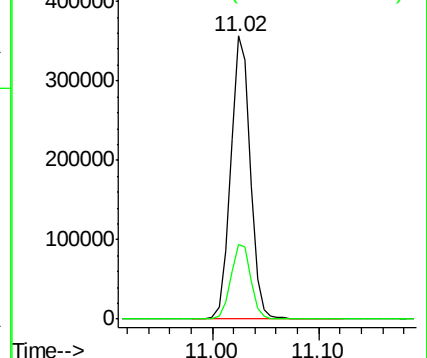
105 100

120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.285 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Tgt Ion: 43 Resp: 218966

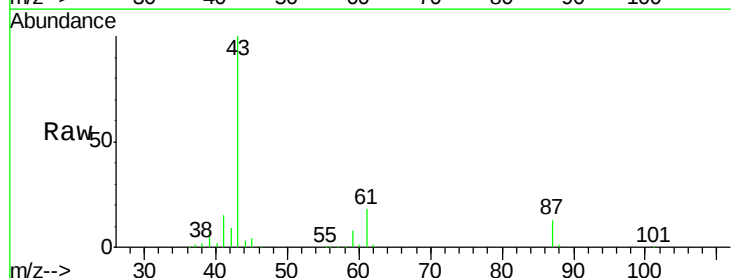
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.3 14.4 21.6

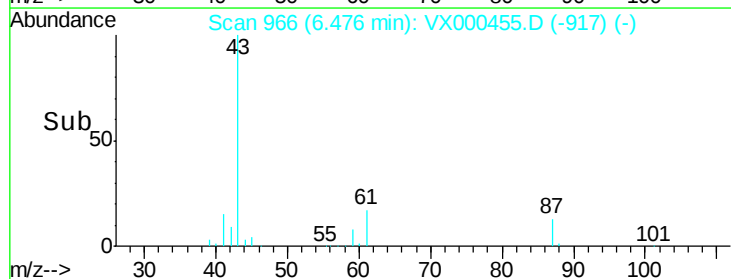
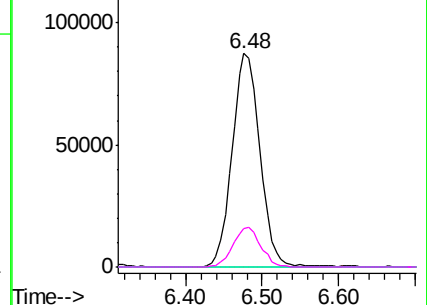


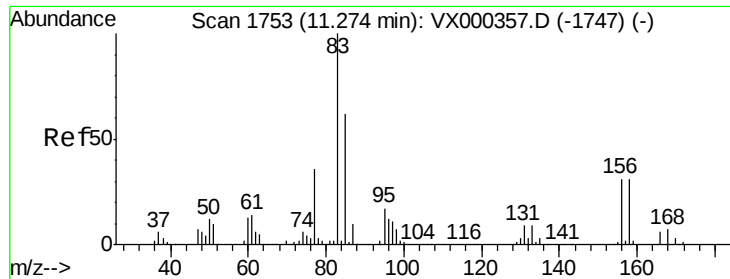
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.633 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampleId :

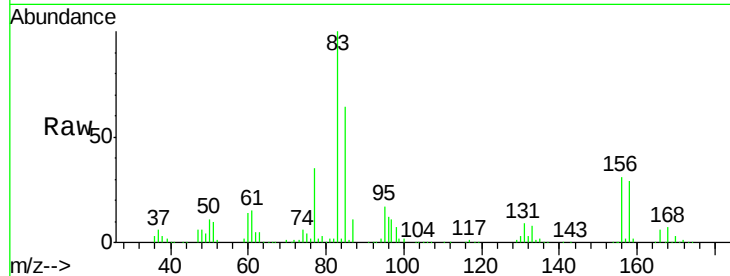
Tot Ion: 83 Resp: 165303

Ion Ratio Lower Upper

83 100

131 10.1 5.0 14.9

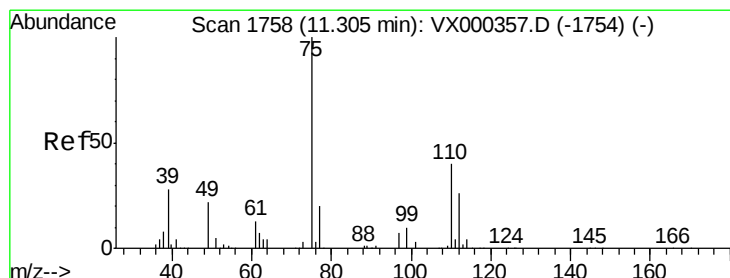
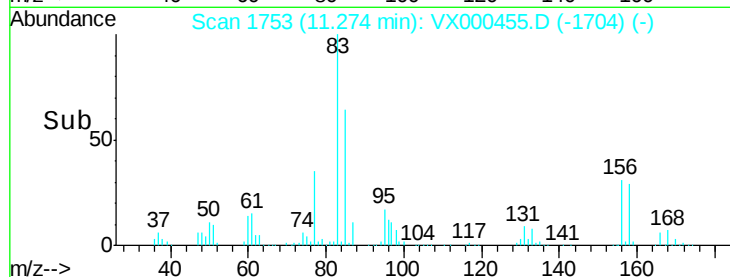
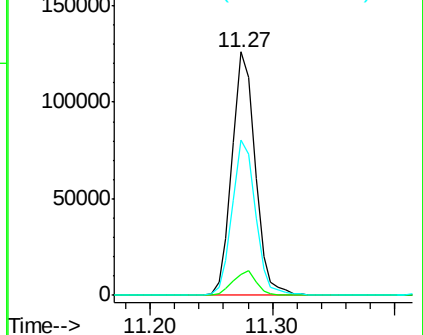
85 64.4 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 59.018 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000455.D

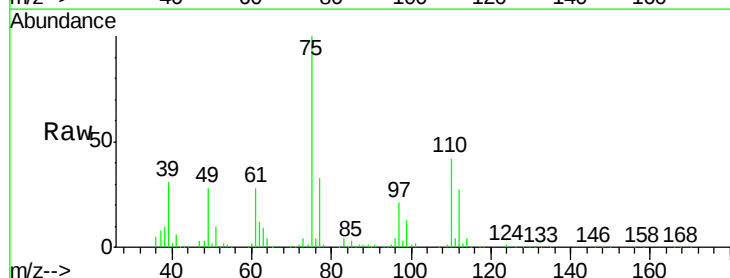
Acq: 26 Mar 2018 21:19

Tgt Ion: 75 Resp: 187822

Ion Ratio Lower Upper

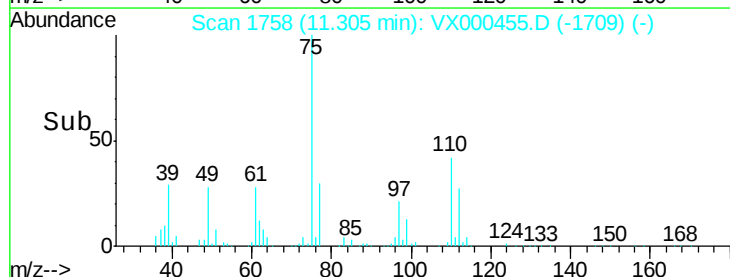
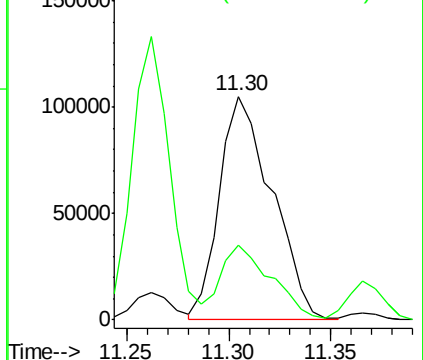
75 100

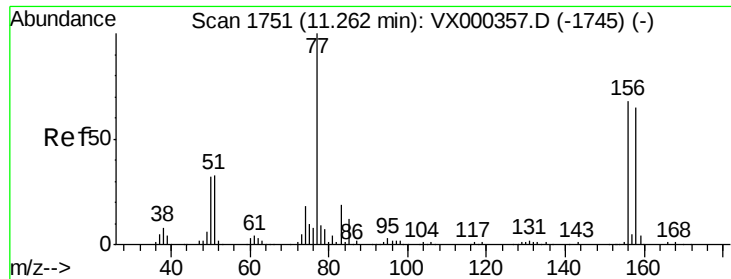
77 32.0 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 44.543 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampleId :

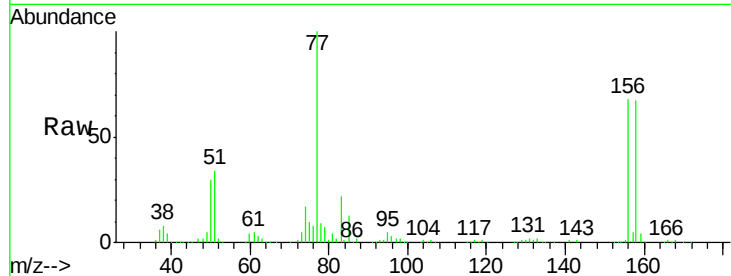
Tot Ion:156 Resp: 116423

Ion Ratio Lower Upper

156 100

77 146.7 73.4 220.2

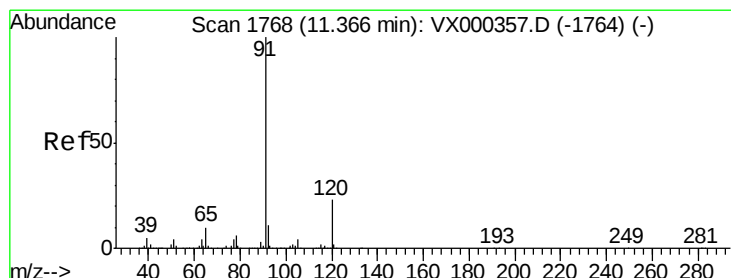
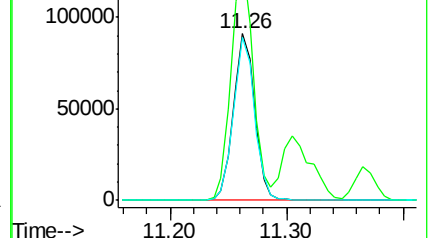
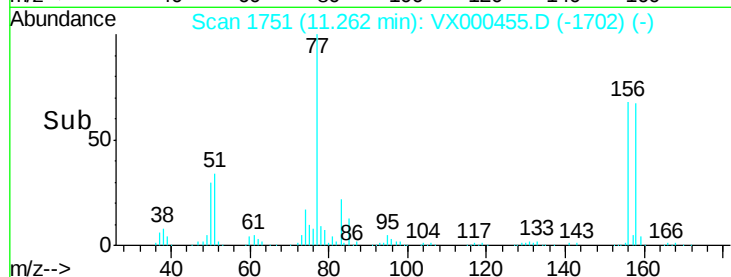
158 97.2 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.807 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000455.D

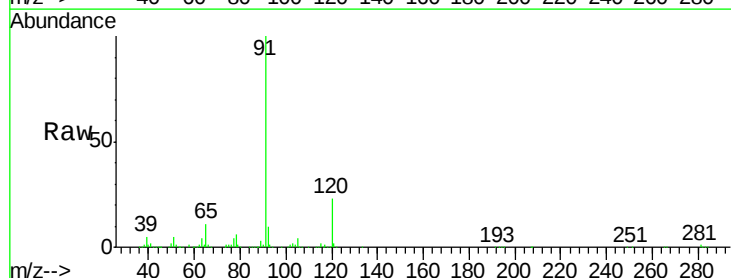
Acq: 26 Mar 2018 21:19

Tgt Ion: 91 Resp: 535899

Ion Ratio Lower Upper

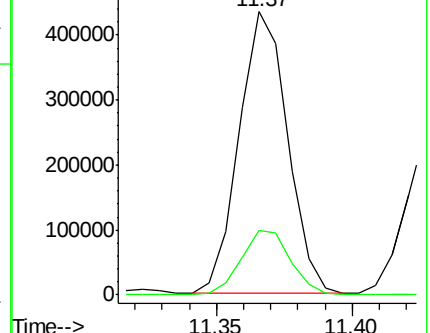
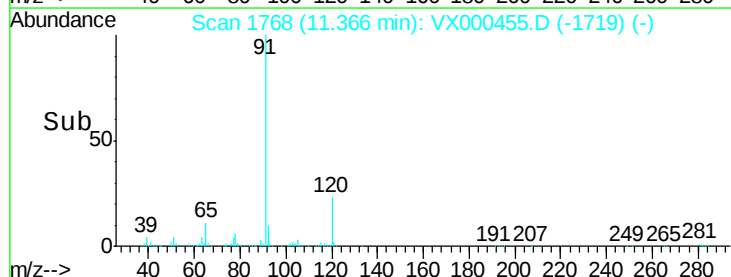
91 100

120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

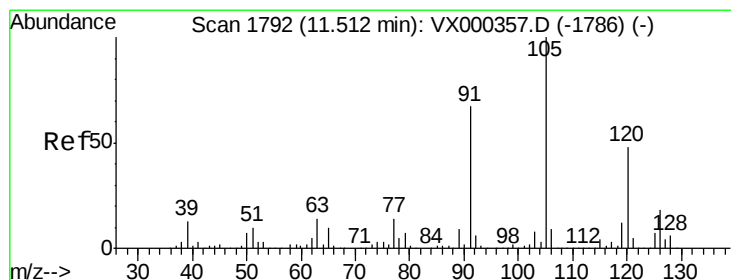
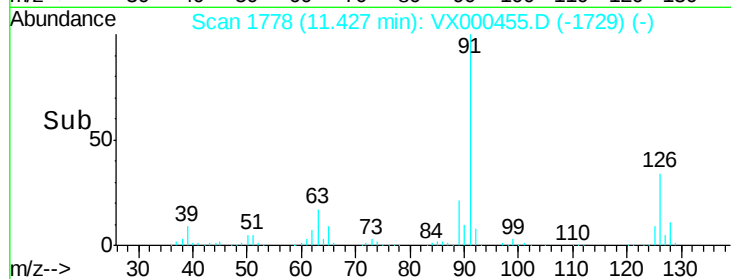
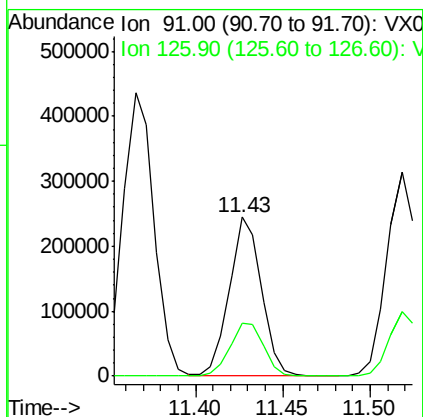
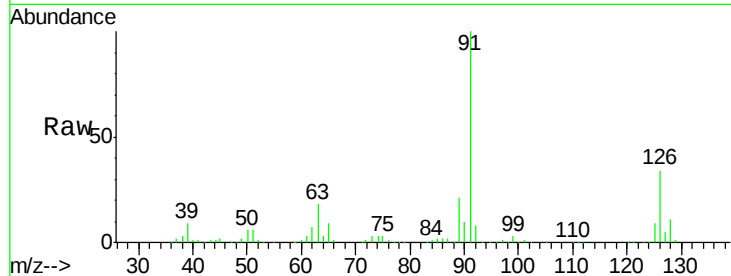




#79
 2-Chlorotoluene
 Concen: 46.005 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

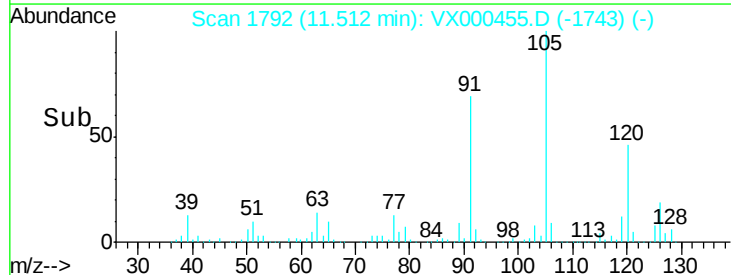
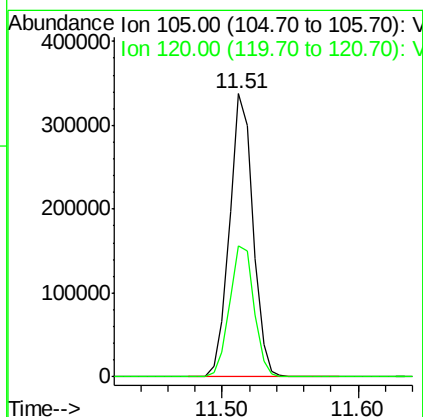
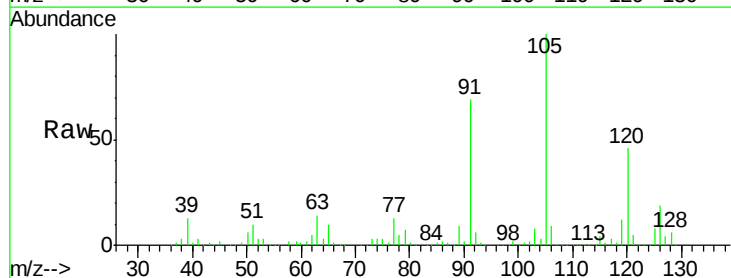
Instrument :
 MSVOA_X
 ClientSampled :

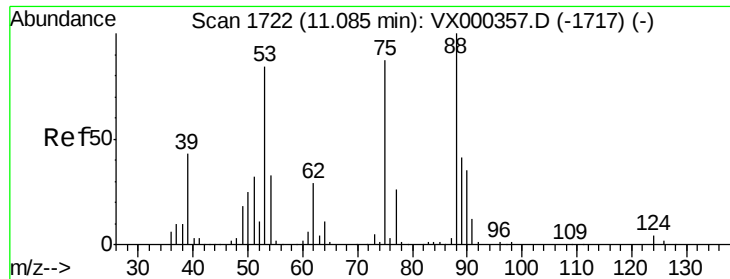
Tot Ion: 91 Resp: 310924
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.006 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

Tgt Ion: 105 Resp: 404292
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 47.170 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampled :

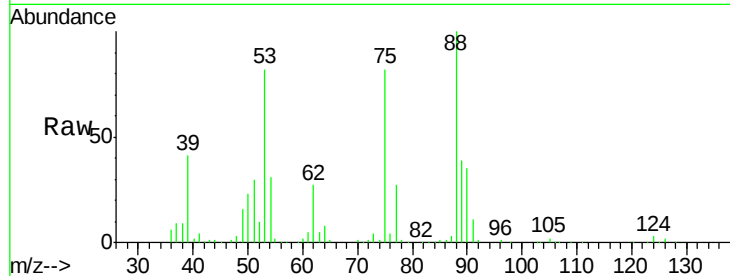
Tot Ion: 75 Resp: 46367

Ion Ratio Lower Upper

75 100

53 106.4 80.7 121.1

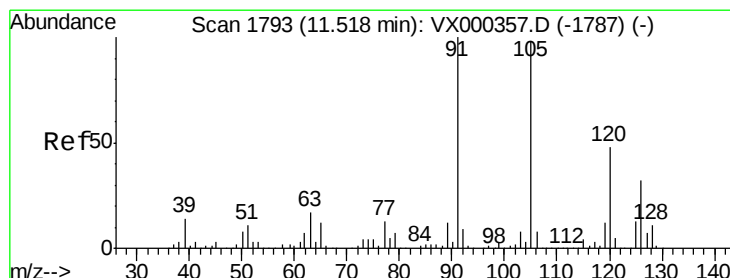
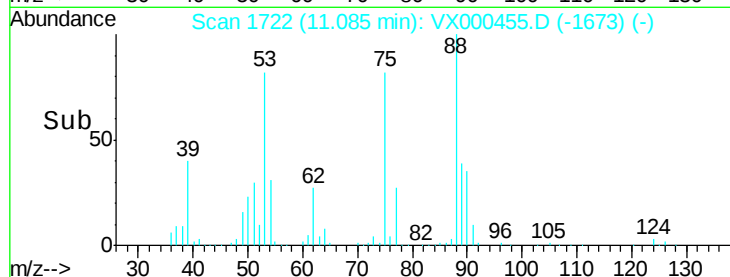
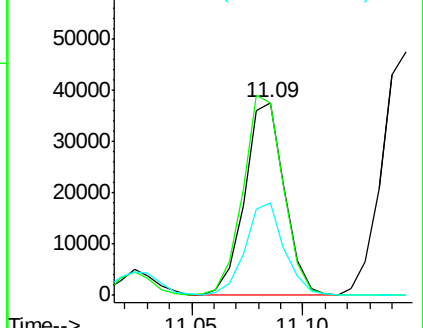
89 47.1 39.4 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 47.634 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX000455.D

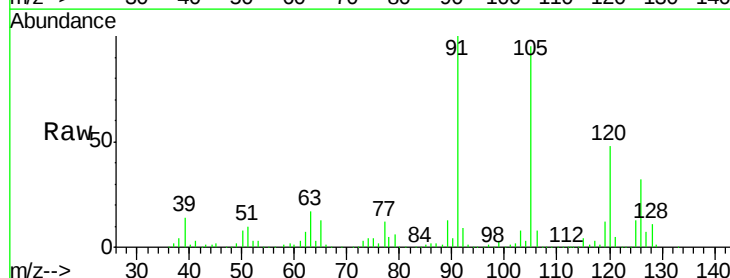
Acq: 26 Mar 2018 21:19

Tgt Ion: 91 Resp: 384395

Ion Ratio Lower Upper

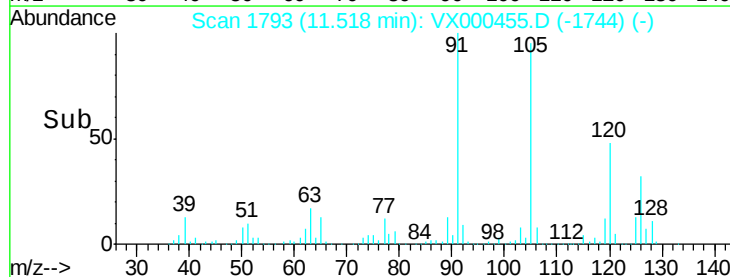
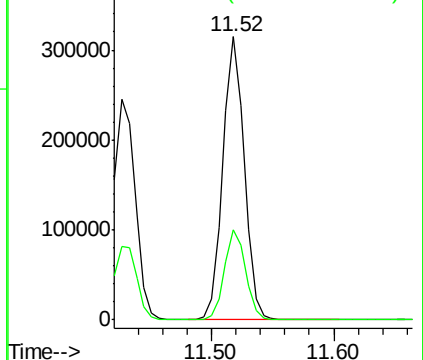
91 100

126 31.1 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

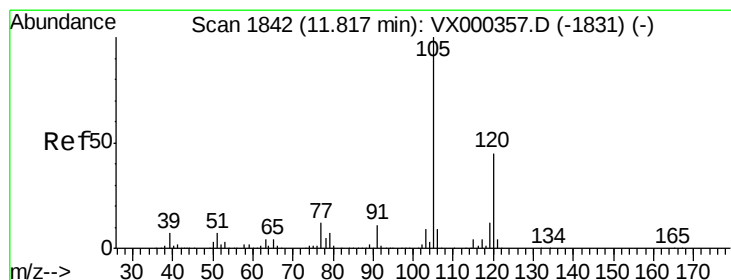
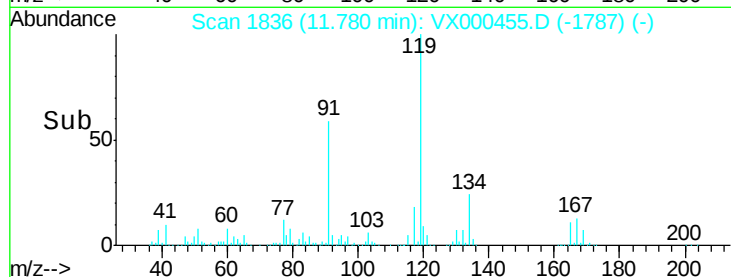
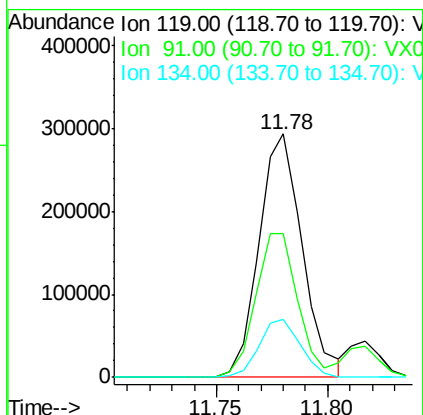
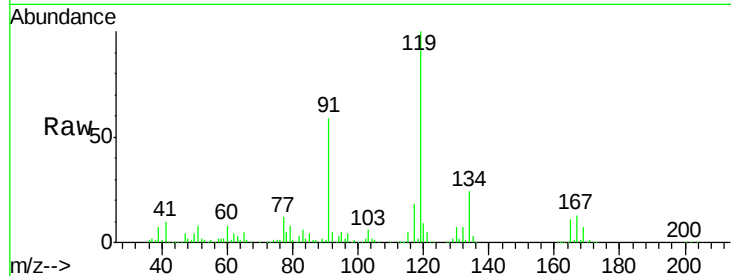




#83
 tert-Butylbenzene
 Concen: 47.502 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

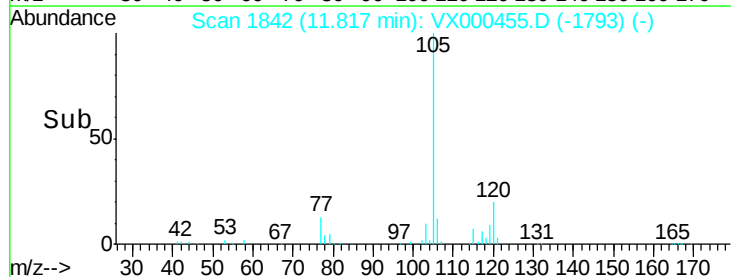
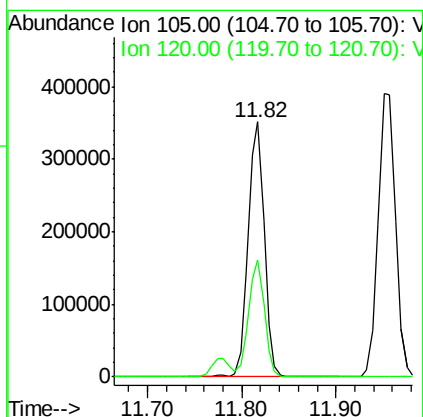
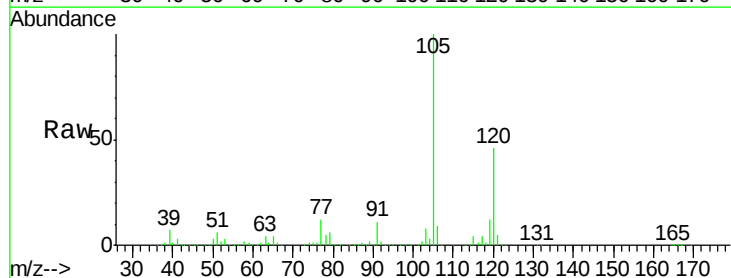
Instrument :
 MSVOA_X
 ClientSampleId :

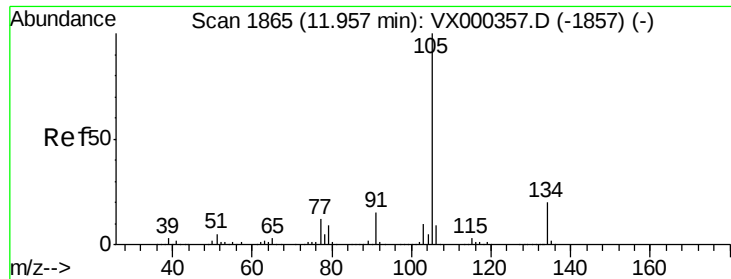
Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	28.8	86.4
134	23.0	11.4	34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 48.701 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3





#85

sec-Butylbenzene

Concen: 48.419 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

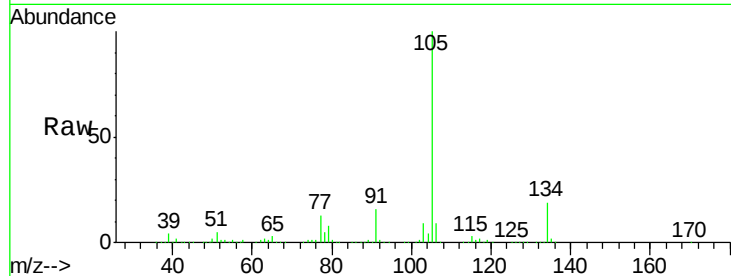
ClientSampleId :

Tot Ion:105 Resp: 498479

Ion Ratio Lower Upper

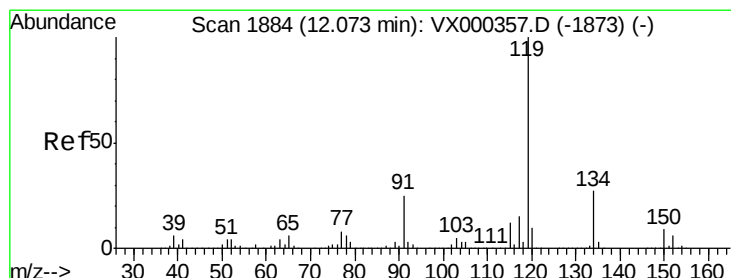
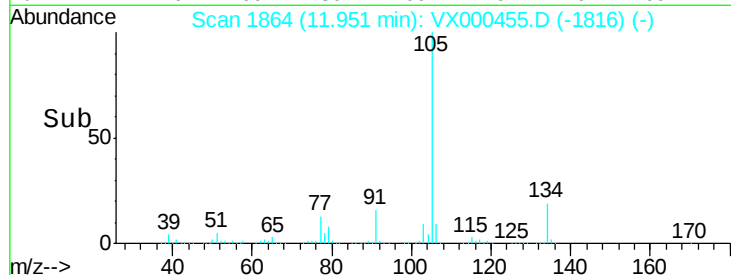
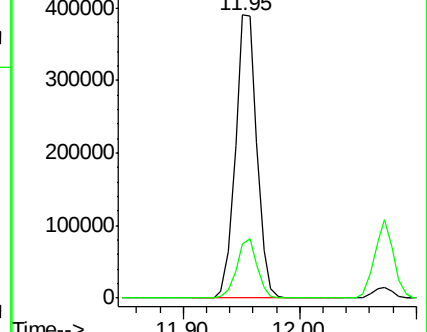
105 100

134 20.1 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.260 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

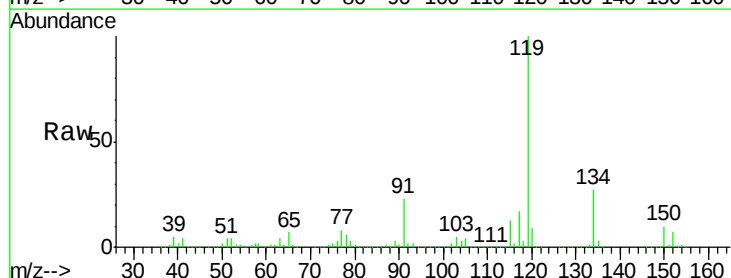
Tgt Ion:119 Resp: 459535

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

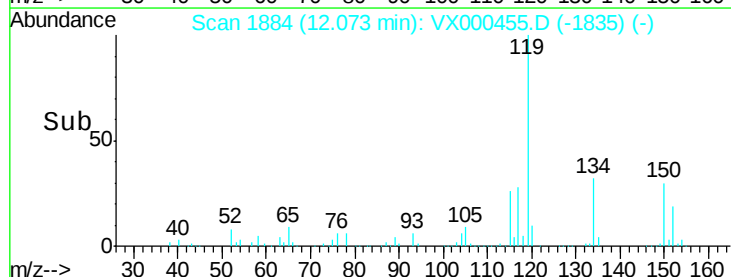
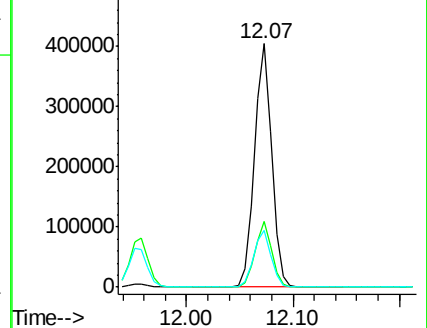
91 23.6 12.0 36.1

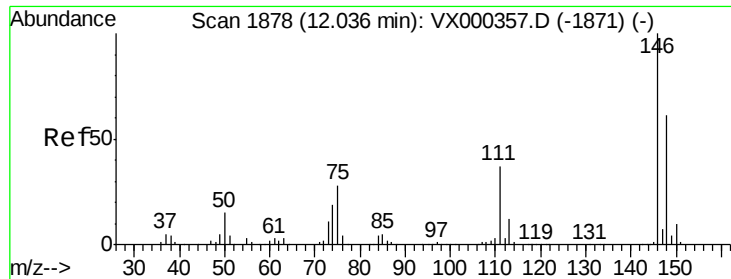


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 46.154 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampled :

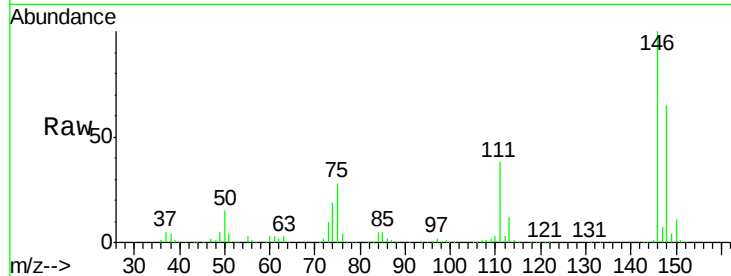
Tot Ion:146 Resp: 228091

Ion Ratio Lower Upper

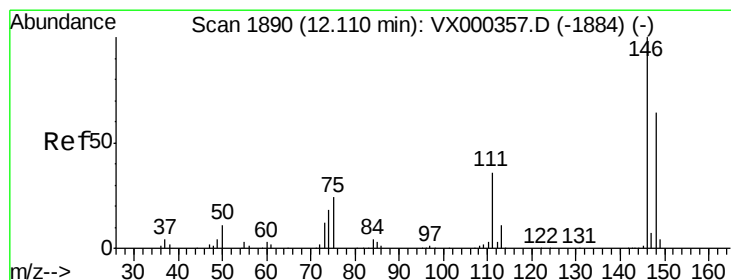
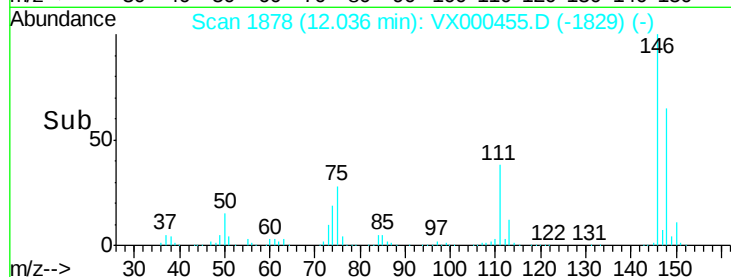
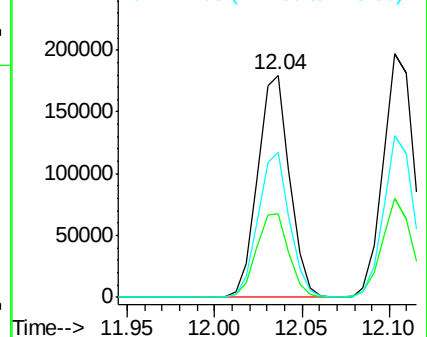
146 100

111 38.3 19.5 58.5

148 64.1 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.634 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

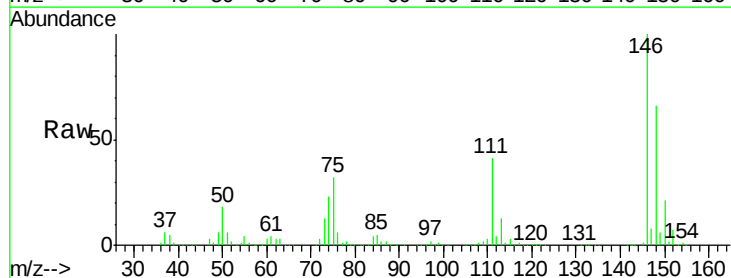
Tgt Ion:146 Resp: 241963

Ion Ratio Lower Upper

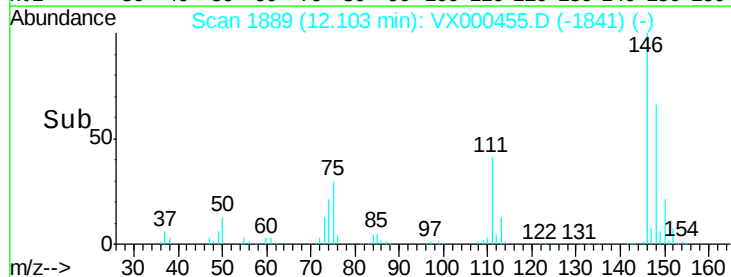
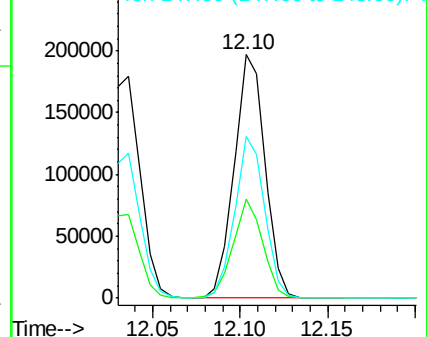
146 100

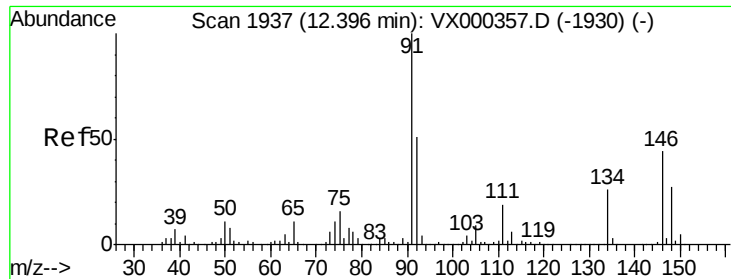
111 39.1 18.9 56.9

148 64.4 31.0 93.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.038 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampleId :

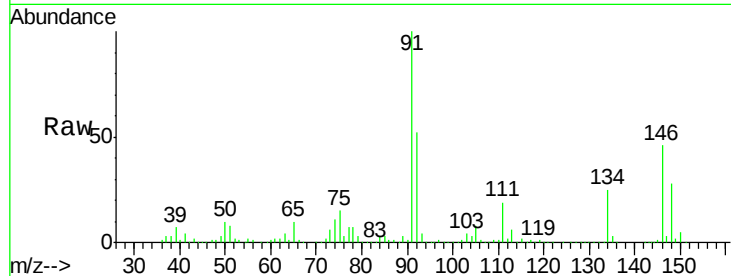
Tot Ion: 91 Resp: 425974

Ion Ratio Lower Upper

91 100

92 51.0 25.9 77.8

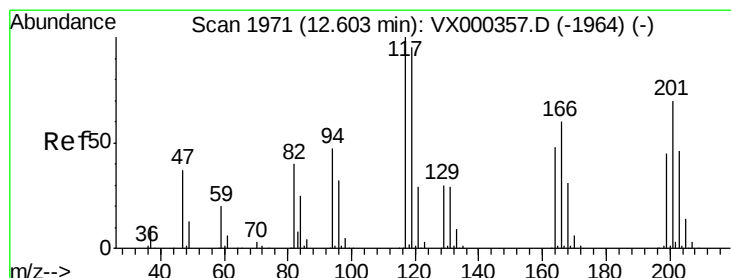
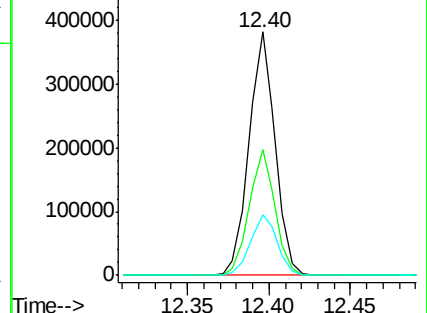
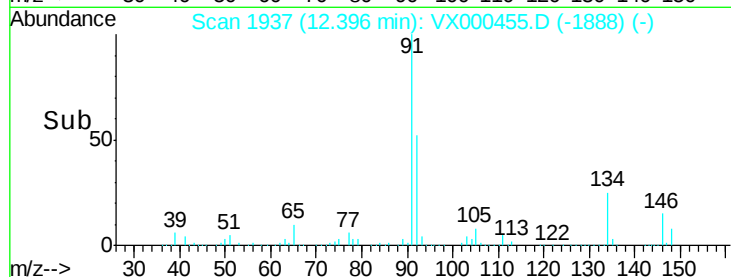
134 25.7 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VX000455.D (-1888) (-)

Ion 92.00 (91.70 to 92.70): VX000455.D (-1888) (-)

Ion 134.00 (133.70 to 134.70): VX000455.D (-1888) (-)



#90

Hexachloroethane

Concen: 50.252 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX000455.D

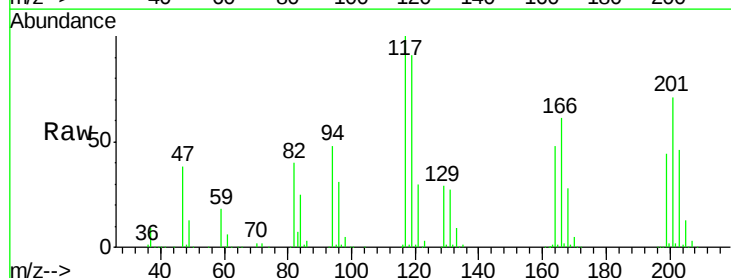
Acq: 26 Mar 2018 21:19

Tgt Ion: 117 Resp: 72320

Ion Ratio Lower Upper

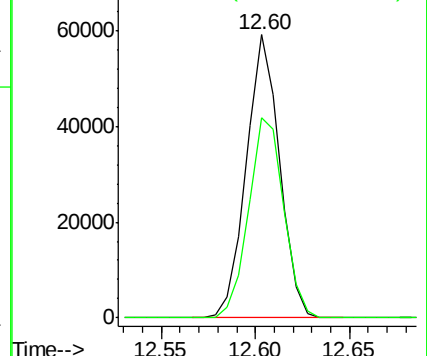
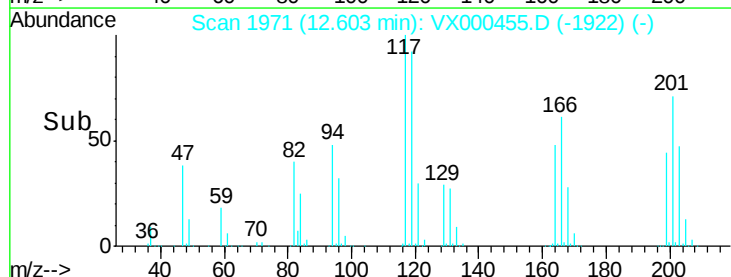
117 100

201 74.8 37.9 113.6



Abundance Ion 116.80 (116.50 to 117.50): VX000455.D (-1922) (-)

Ion 200.70 (200.40 to 201.40): VX000455.D (-1922) (-)





#91

1,2-Dichlorobenzene

Concen: 48.778 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampleId :

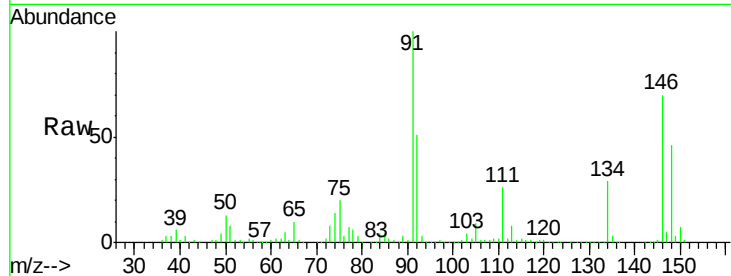
Tot Ion:146 Resp: 236334

Ion Ratio Lower Upper

146 100

111 39.3 20.1 60.2

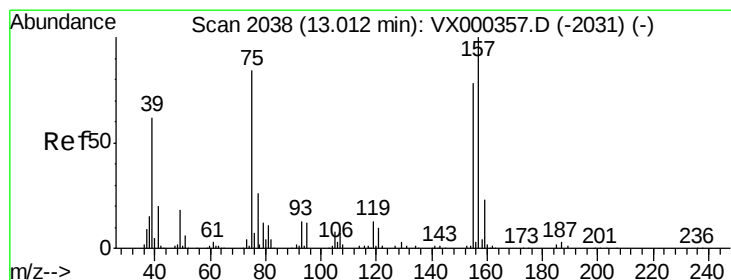
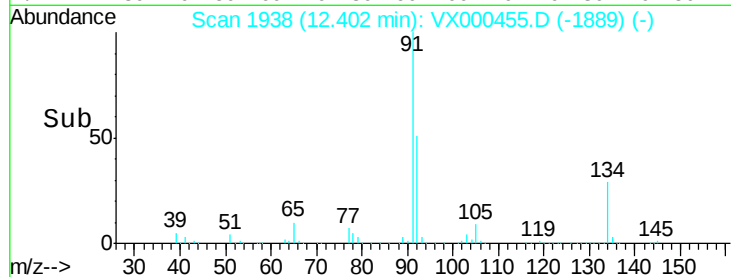
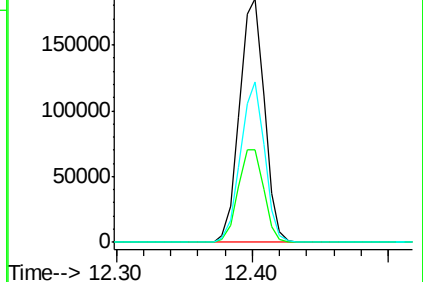
148 63.6 31.2 93.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.967 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.01 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

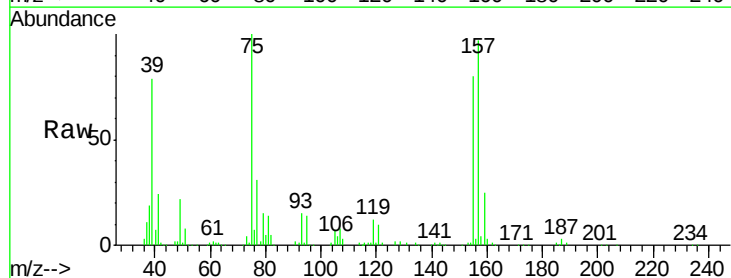
Tgt Ion: 75 Resp: 45457

Ion Ratio Lower Upper

75 100

155 88.5 45.0 134.8

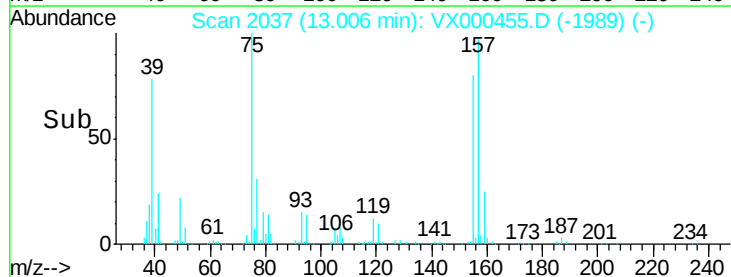
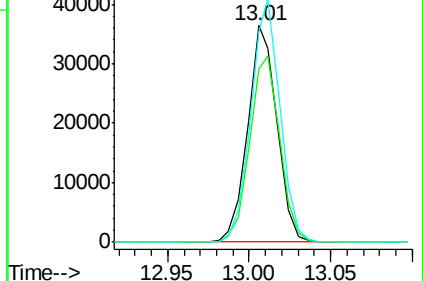
157 111.8 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

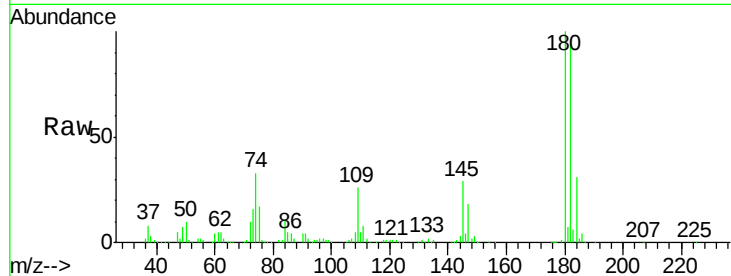




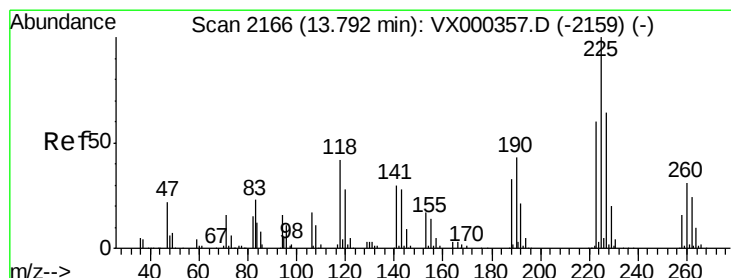
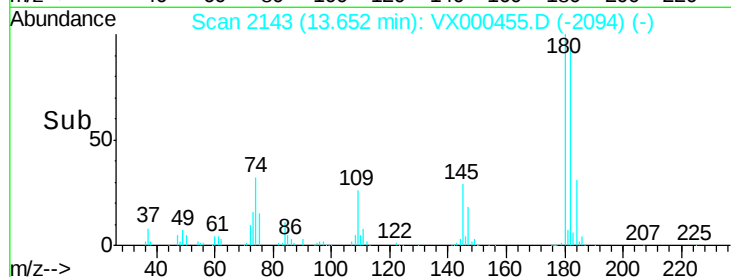
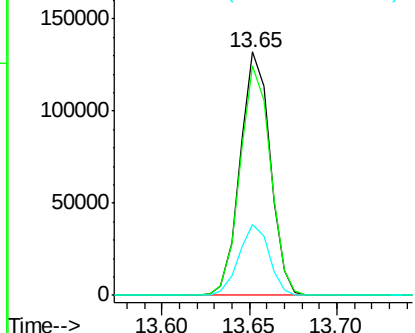
#93
 1,2,4-Trichlorobenzene
 Concen: 45.438 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 157828
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.6 142.9
 145 29.5 15.1 45.3

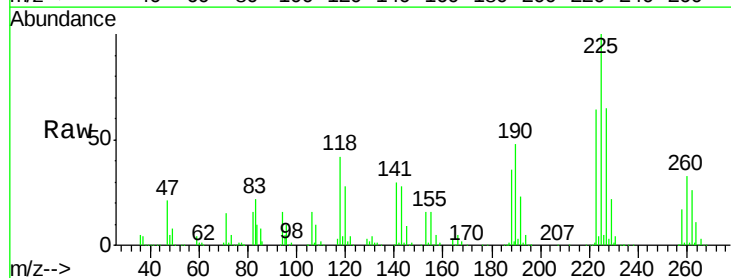


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

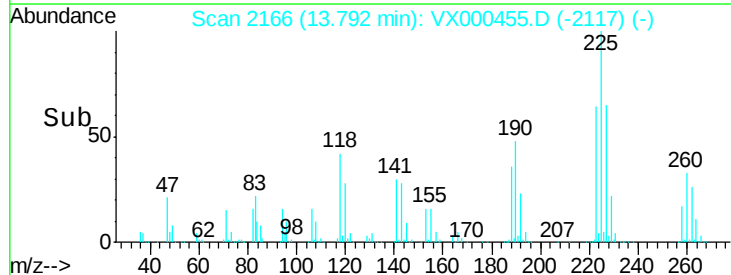
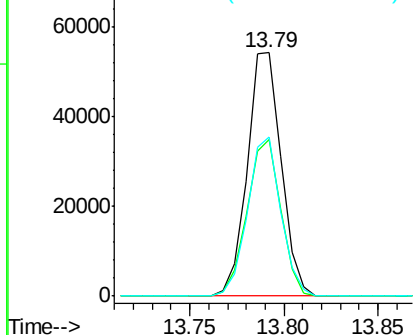


#94
 Hexachlorobutadiene
 Concen: 47.186 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000455.D
 Acq: 26 Mar 2018 21:19

Tgt Ion:225 Resp: 67864
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.0 96.0
 227 63.8 32.6 98.0



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





#95

Naphthalene

Concen: 48.760 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

Instrument :

MSVOA_X

ClientSampleId :

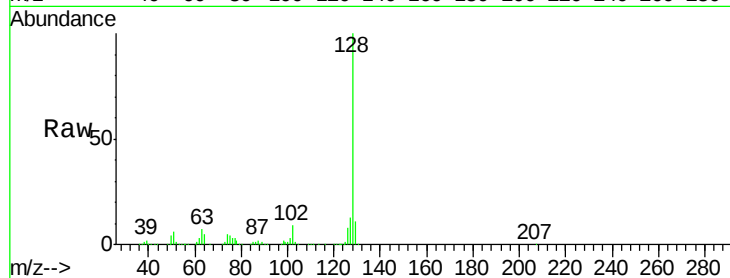
Tot Ion:128 Resp: 589986

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

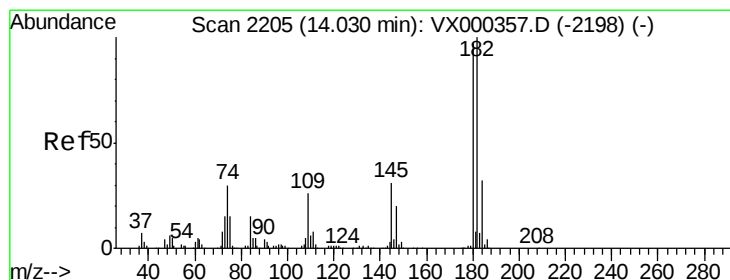
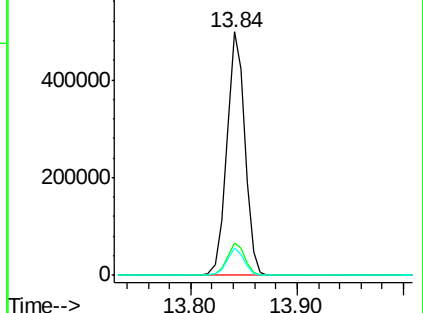
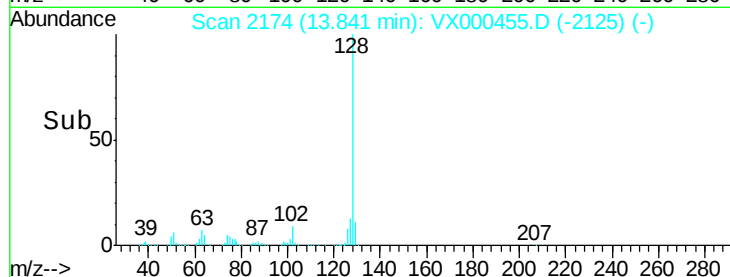
129 10.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.438 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000455.D

Acq: 26 Mar 2018 21:19

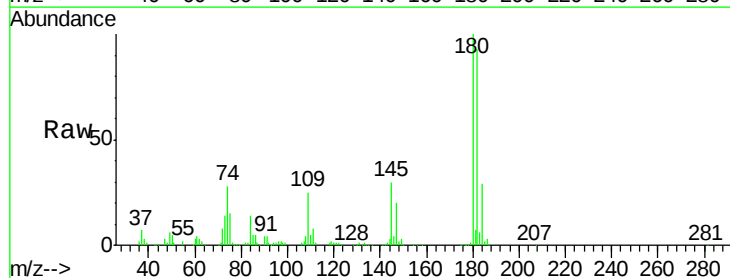
Tgt Ion:180 Resp: 162819

Ion Ratio Lower Upper

180 100

182 92.5 47.4 142.3

145 31.2 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

