

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031618\
 Data File : VX000343.D
 Acq On : 16 Mar 2018 12:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 16 14:43:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 03:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	128093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	203131	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	198708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	124736	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	79633	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	
35) Dibromofluoromethane	5.51	113	62070	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	8.73	98	250937	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	11.15	95	99244	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	58381	42.31	ug/l	96
3) Chloromethane	1.32	50	60933	43.32	ug/l	97
4) Vinyl Chloride	1.41	62	74720	47.43	ug/l	99
5) Bromomethane	1.64	94	99470	56.58	ug/l	96
6) Chloroethane	1.72	64	45981	41.07	ug/l	97
7) Trichlorofluoromethane	1.93	101	128177	46.84	ug/l	98
8) Diethyl Ether	2.19	74	45174	46.38	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	72181	48.99	ug/l	99
10) Methyl Iodide	2.52	142	70264	47.20	ug/l	98
11) Tert butyl alcohol	3.07	59	137527	239.86	ug/l	99
12) 1,1-Dichloroethene	2.38	96	63966	45.75	ug/l	96
13) Acrolein	2.30	56	57523	233.20	ug/l	97
14) Allyl chloride	2.73	41	114998	46.12	ug/l	98
15) Acrylonitrile	3.15	53	265009	239.71	ug/l	100
16) Acetone	2.45	43	305633	258.31	ug/l	97
17) Carbon Disulfide	2.57	76	174950	42.83	ug/l	98
18) Methyl Acetate	2.78	43	130118	49.14	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	231043	46.94	ug/l	100
20) Methylene Chloride	2.86	84	70269	45.87	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	69248	44.80	ug/l	95
22) Diisopropyl ether	3.87	45	224174	54.02	ug/l	95
23) Vinyl Acetate	3.83	43	1089029	275.33	ug/l	97
24) 1,1-Dichloroethane	3.70	63	126715	48.54	ug/l	98
25) 2-Butanone	4.71	43	360206	254.72	ug/l	99
26) 2,2-Dichloropropane	4.60	77	91931	48.79	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	64664	45.79	ug/l	99
28) Bromochloromethane	5.03	49	51830	47.24	ug/l	99
29) Tetrahydrofuran	5.17	42	227342	249.77	ug/l	99
30) Chloroform	5.22	83	121508	49.30	ug/l	94
31) Cyclohexane	5.58	56	97652	48.75	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	106640	48.96	ug/l	98
36) 1,1-Dichloropropene	5.81	75	88727	48.07	ug/l	96
37) Ethyl Acetate	4.87	43	121126	49.38	ug/l	100
38) Carbon Tetrachloride	5.79	117	92974	49.97	ug/l	99

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 03:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	115282	53.55	ug/l	97
40) Benzene	6.15	78	262259	50.08	ug/l	97
41) Methacrylonitrile	5.07	41	63392	49.22	ug/l	97
42) 1,2-Dichloroethane	6.20	62	105323	50.75	ug/l	99
43) Isopropyl Acetate	6.48	43	190684	53.86	ug/l	99
44) Trichloroethene	7.22	130	75524	49.78	ug/l	94
45) 1,2-Dichloropropane	7.52	63	68470	53.02	ug/l	99
46) Dibromomethane	7.67	93	52700	50.80	ug/l	99
47) Bromodichloromethane	7.91	83	98786	53.64	ug/l	98
48) Methyl methacrylate	7.79	41	93109	52.01	ug/l	98
49) 1,4-Dioxane	7.76	88	38940	966.85	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	738428	268.58	ug/l	99
52) Toluene	8.79	92	184180	50.07	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	110918	52.19	ug/l	94
54) cis-1,3-Dichloropropene	9.05	75	111981	53.88	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	74484	50.47	ug/l	96
56) Ethyl methacrylate	9.19	69	118187	54.08	ug/l	99
57) 1,3-Dichloropropane	9.38	76	123389	51.61	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	286496	306.04	ug/l	99
59) 2-Hexanone	9.51	43	633530	273.50	ug/l	99
60) Dibromochloromethane	9.59	129	82105	52.61	ug/l	98
61) 1,2-Dibromoethane	9.68	107	82127	50.20	ug/l	99
64) Tetrachloroethene	9.34	164	75261	59.30	ug/l	98
65) Chlorobenzene	10.15	112	210726	52.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	75972	55.82	ug/l	99
67) Ethyl Benzene	10.26	91	373120	54.08	ug/l	98
68) m/p-Xylenes	10.37	106	295742	110.03	ug/l	100
69) o-Xylene	10.71	106	144487	55.34	ug/l	99
70) Styrene	10.72	104	244000	56.31	ug/l	99
71) Bromoform	10.87	173	66788	48.55	ug/l #	97
73) Isopropylbenzene	11.02	105	402572	53.59	ug/l	99
74) N-amyl acetate	6.48	43	190684	53.02	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	141153	52.78	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	165990	74.69	ug/l	83
77) Bromobenzene	11.26	156	99394	50.40	ug/l	99
78) n-propylbenzene	11.37	91	479653	52.95	ug/l	100
79) 2-Chlorotoluene	11.43	91	269846	52.49	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	352828	55.13	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	40927	49.53	ug/l	95
82) 4-Chlorotoluene	11.52	91	338338	53.55	ug/l	99
83) tert-Butylbenzene	11.78	119	335816	53.78	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	365433	55.54	ug/l	99
85) sec-Butylbenzene	11.96	105	432735	55.36	ug/l	99
86) p-Isopropyltoluene	12.07	119	391403	56.27	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	196739	50.84	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	206456	51.34	ug/l	98
89) n-Butylbenzene	12.40	91	366965	54.26	ug/l	99
90) Hexachloroethane	12.60	117	61432	55.06	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	197495	52.69	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40601	56.08	ug/l	94

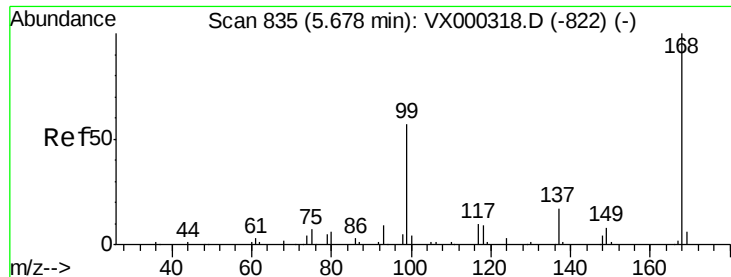
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	137435	50.90	ug/l	99
94) Hexachlorobutadiene	13.79	225	57508	53.99	ug/l	97
95) Naphthalene	13.84	128	495473	52.88	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	139177	51.03	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

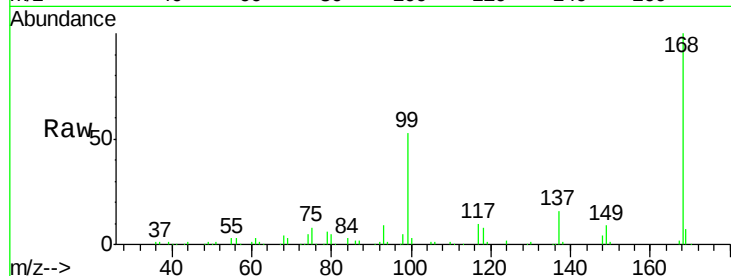
ClientSampleId :

Tot Ion:168 Resp: 128093

Ion Ratio Lower Upper

168 100

99 52.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

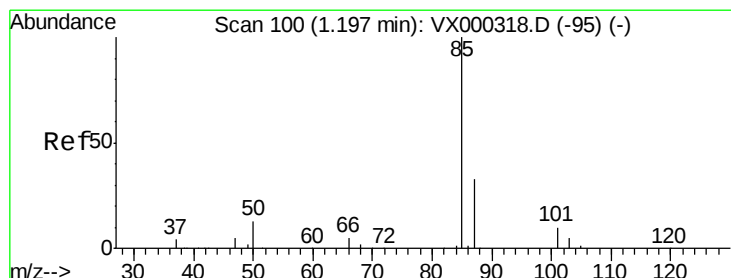
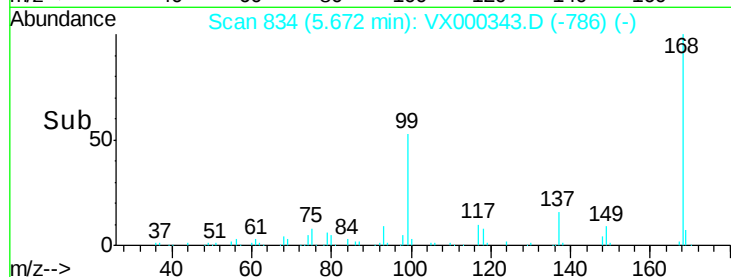
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.31 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000343.D

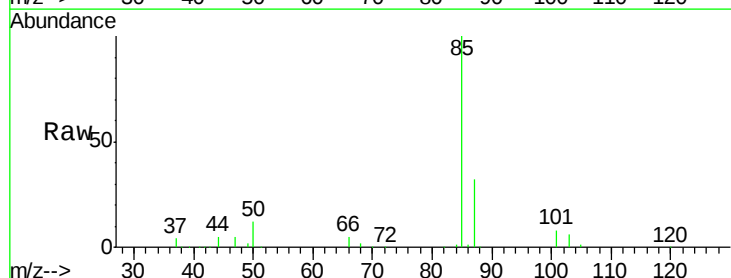
Acq: 16 Mar 2018 12:40

Tgt Ion: 85 Resp: 58381

Ion Ratio Lower Upper

85 100

87 31.5 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

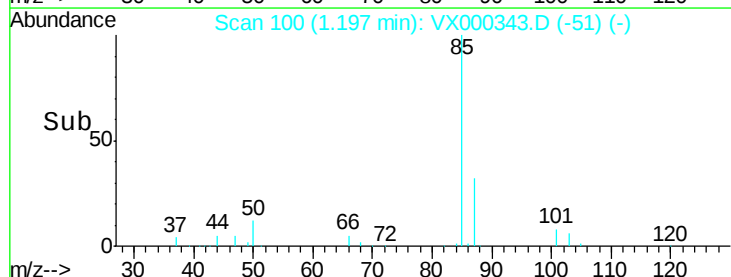
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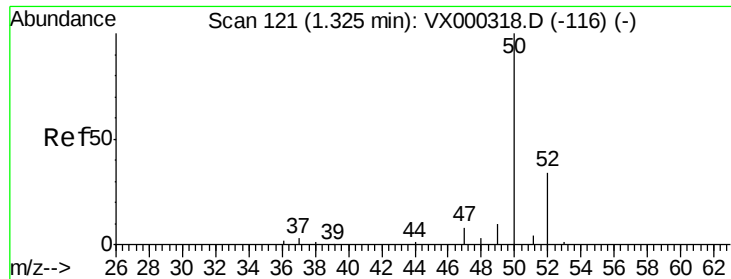
40000

20000

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Time-->





#3

Chloromethane

Concen: 43.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

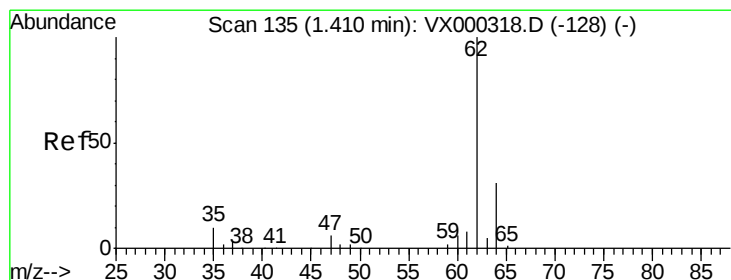
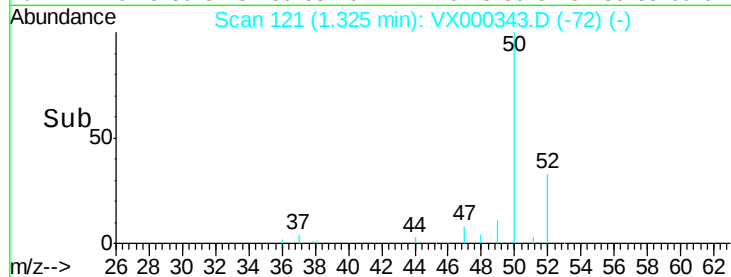
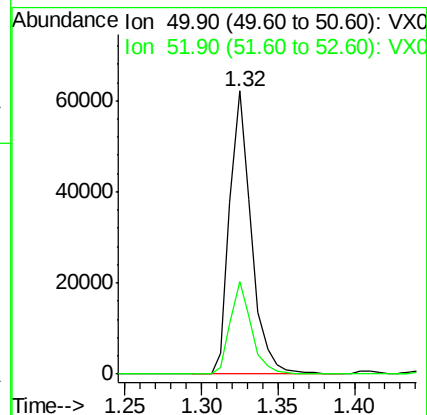
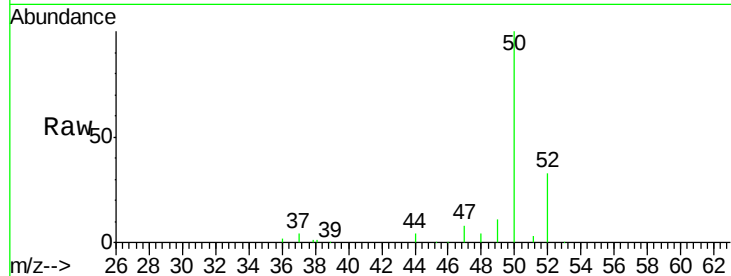
ClientSampleId :

Tot Ion: 50 Resp: 60933

Ion Ratio Lower Upper

50 100

52 32.8 27.5 41.3



#4

Vinyl Chloride

Concen: 47.43 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000343.D

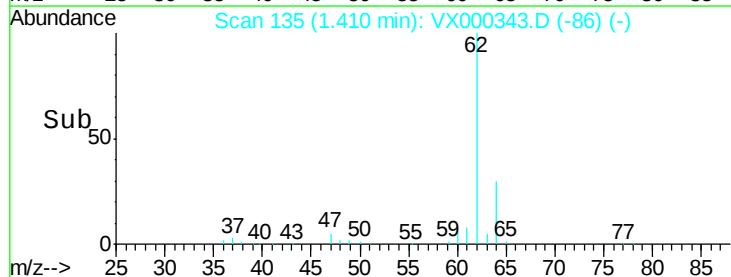
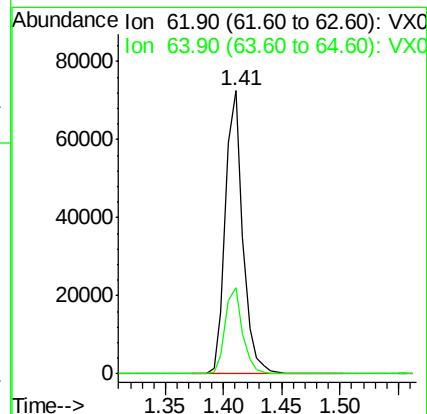
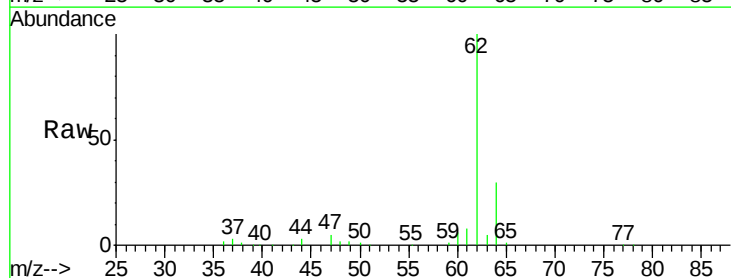
Acq: 16 Mar 2018 12:40

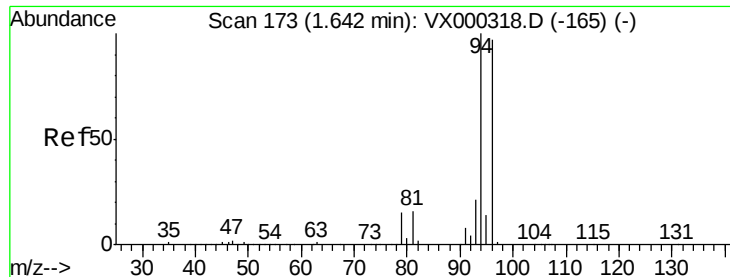
Tgt Ion: 62 Resp: 74720

Ion Ratio Lower Upper

62 100

64 30.4 24.8 37.2





#5

Bromomethane

Concen: 56.58 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

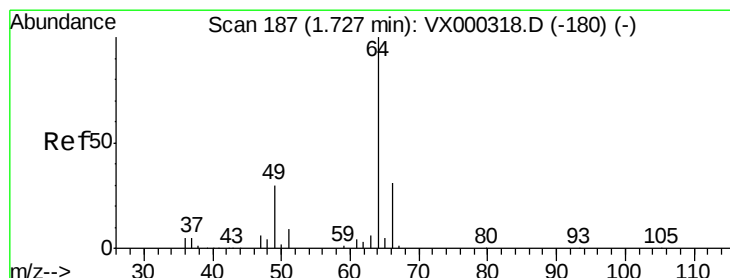
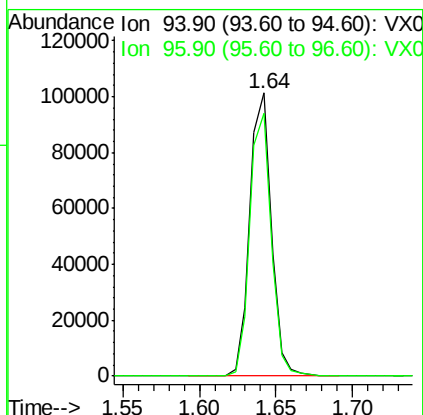
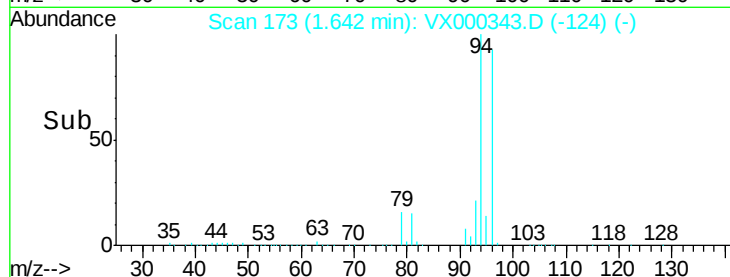
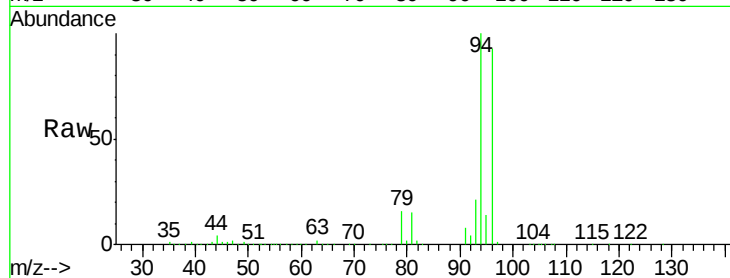
ClientSampleId :

Tot Ion: 94 Resp: 99470

Ion Ratio Lower Upper

94 100

96 92.8 77.7 116.5



#6

Chloroethane

Concen: 41.07 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000343.D

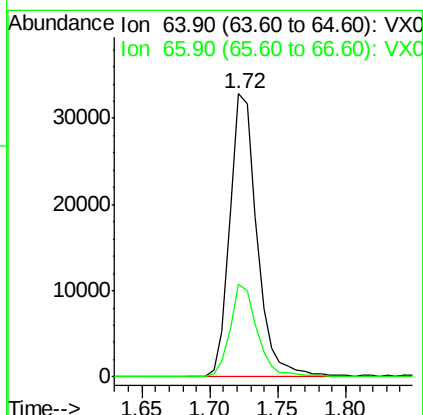
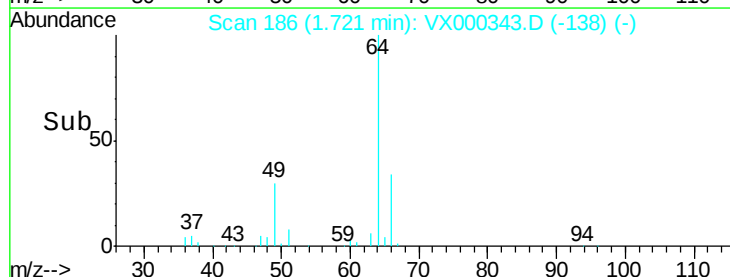
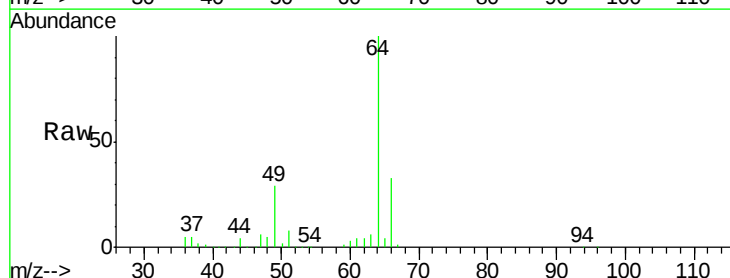
Acq: 16 Mar 2018 12:40

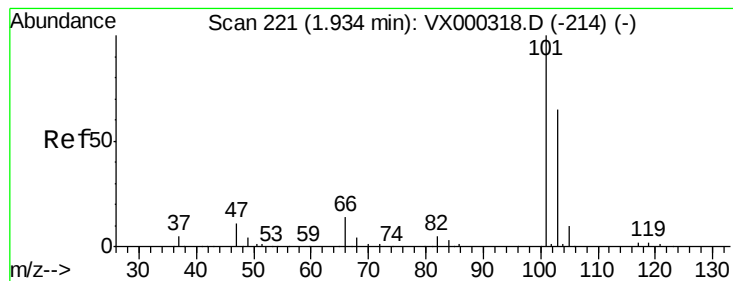
Tgt Ion: 64 Resp: 45981

Ion Ratio Lower Upper

64 100

66 32.6 24.8 37.2



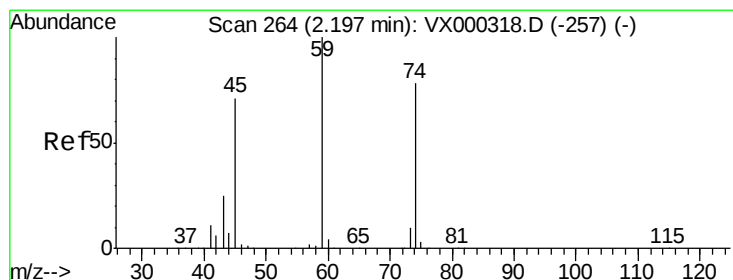
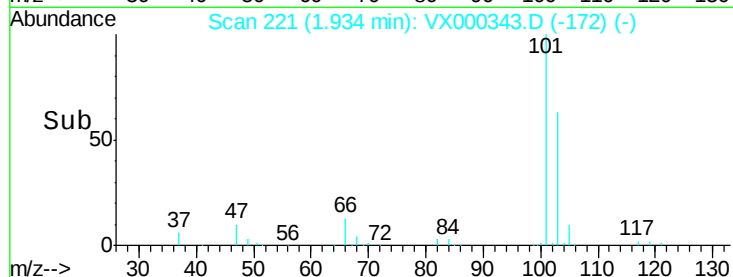
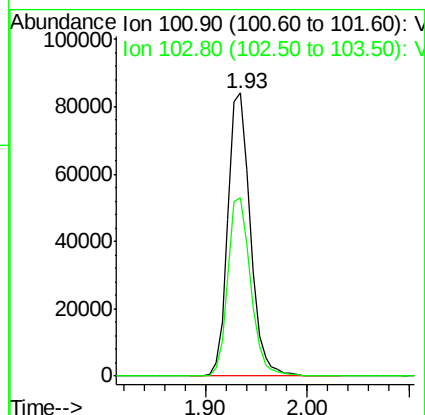
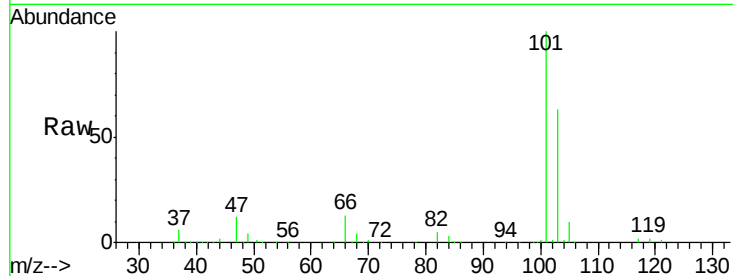


#7

Trichlorofluoromethane
 Concen: 46.84 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleId :

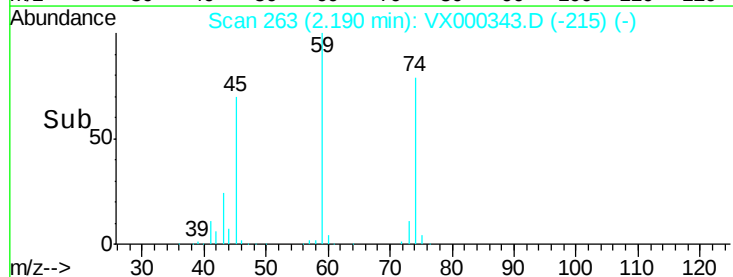
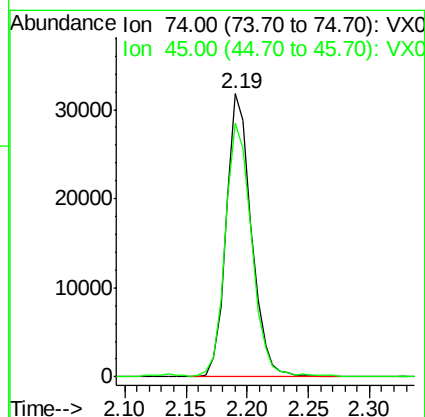
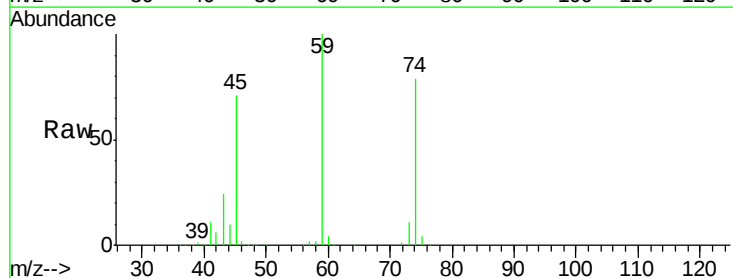
Tot Ion:101 Resp: 128177
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.6 77.4

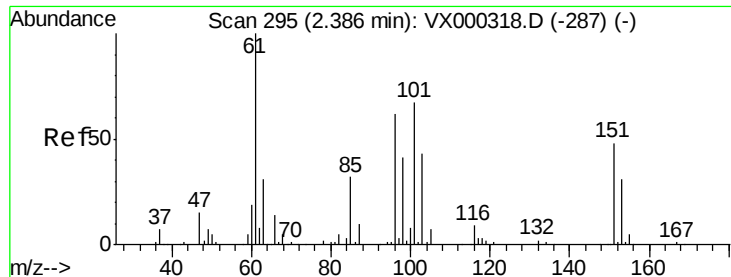


#8

Diethyl Ether
 Concen: 46.38 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

Tgt Ion: 74 Resp: 45174
 Ion Ratio Lower Upper
 74 100
 45 93.3 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.99 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampled :

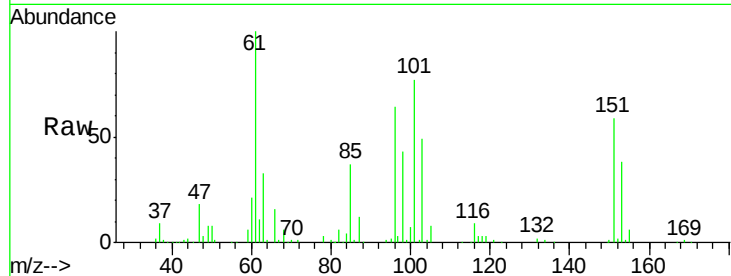
Tot Ion:101 Resp: 72181

Ion Ratio Lower Upper

101 100

85 48.2 37.6 56.4

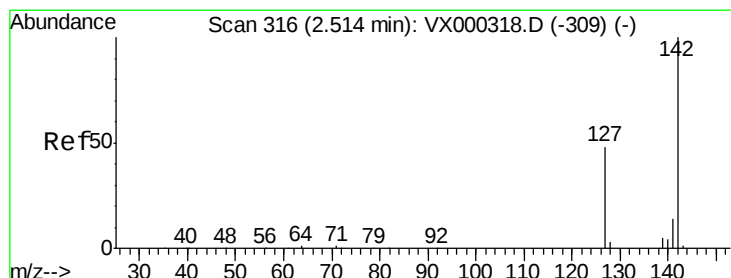
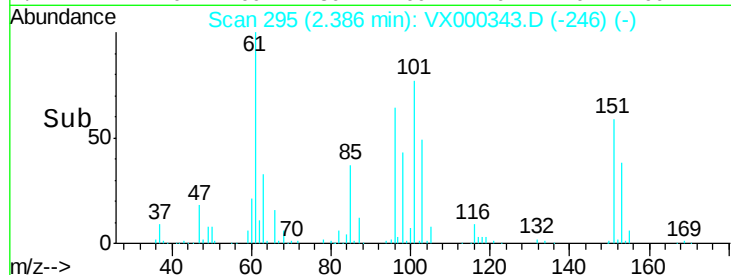
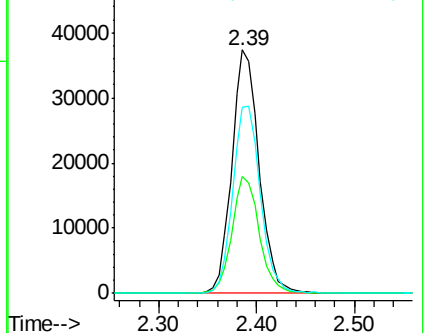
151 78.2 62.6 93.8



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: 47.20 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

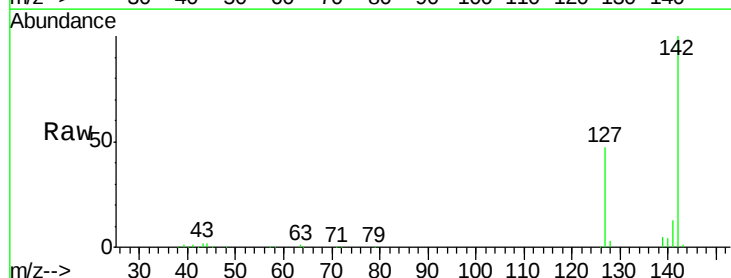
Tgt Ion:142 Resp: 70264

Ion Ratio Lower Upper

142 100

127 47.6 39.2 58.8

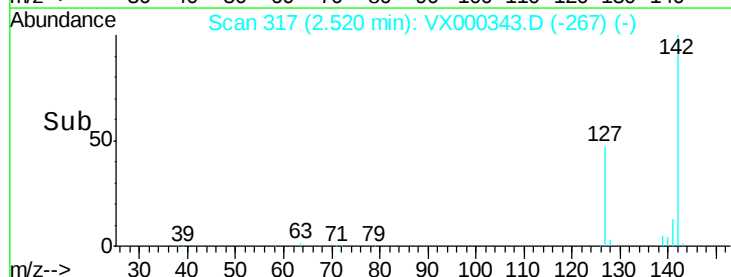
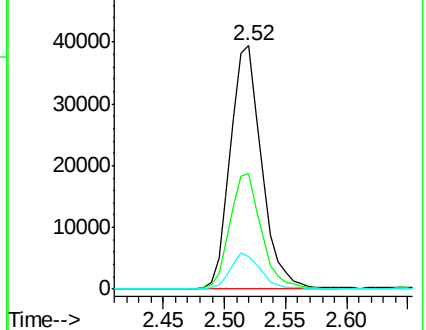
141 14.3 11.7 17.5

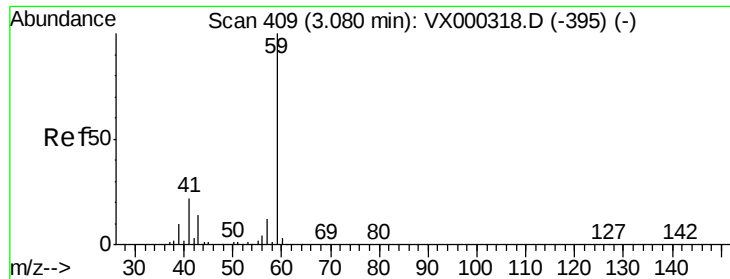


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



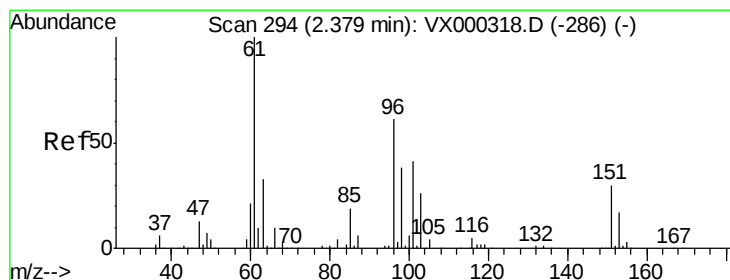
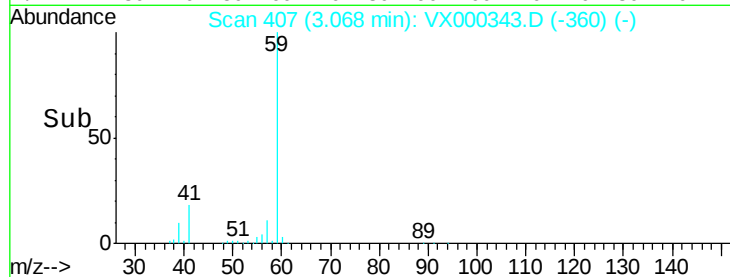
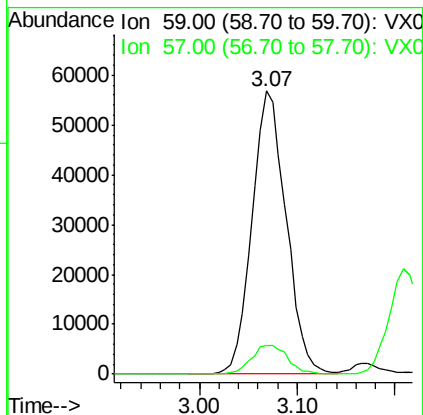
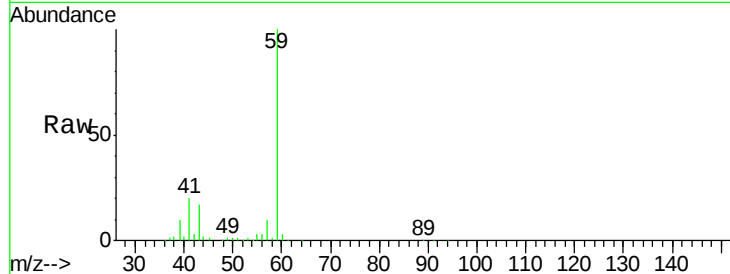


#11

Tert butyl alcohol
Concen: 239.86 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :

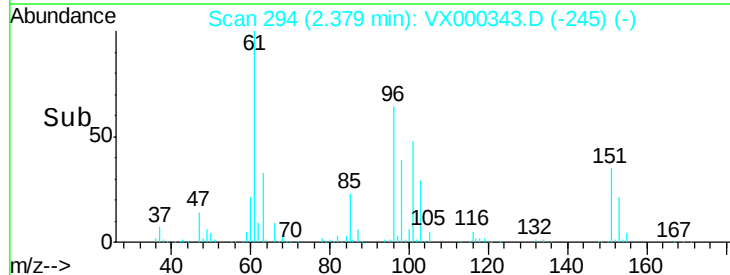
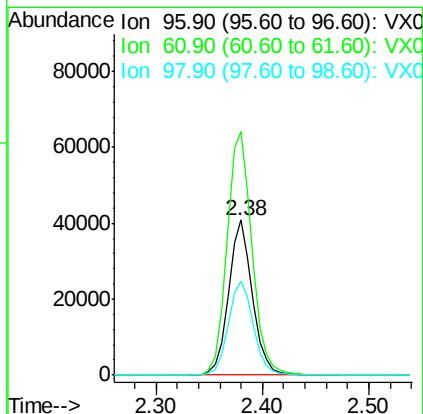
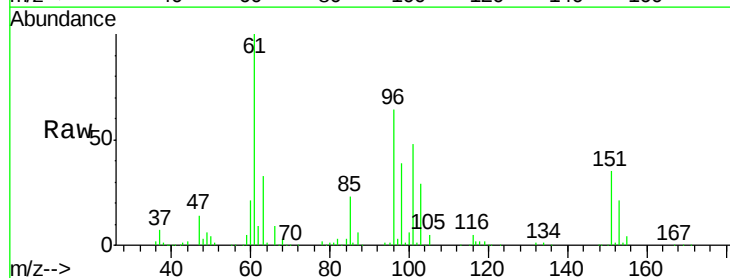
Tot Ion: 59 Resp: 137527
Ion Ratio Lower Upper
59 100
57 10.9 8.4 12.6

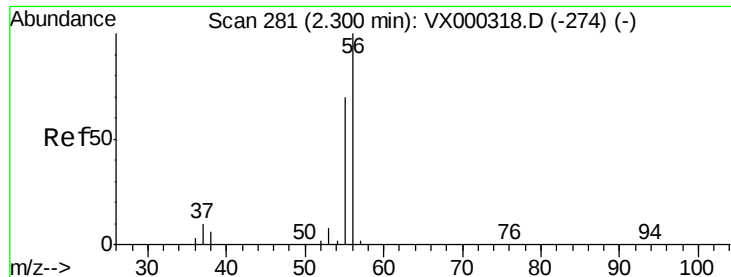


#12

1,1-Dichloroethene
Concen: 45.75 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion: 96 Resp: 63966
Ion Ratio Lower Upper
96 100
61 157.1 131.2 196.8
98 60.8 49.8 74.8





#13

Acrolein

Concen: 233.20 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

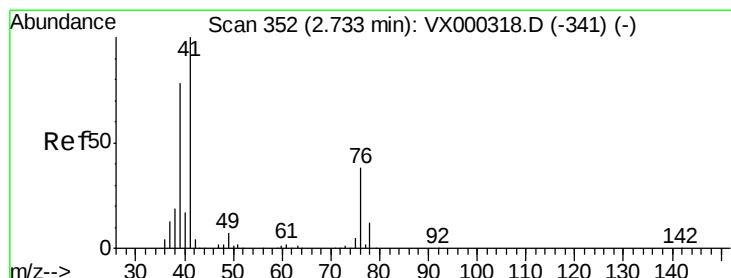
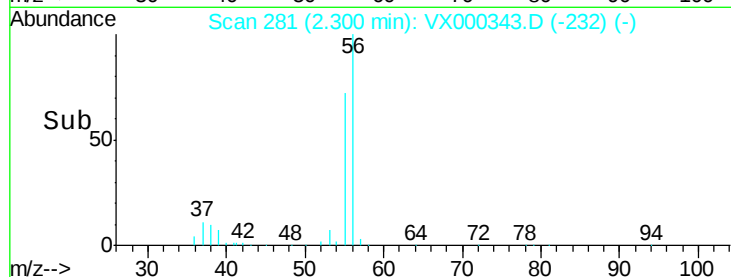
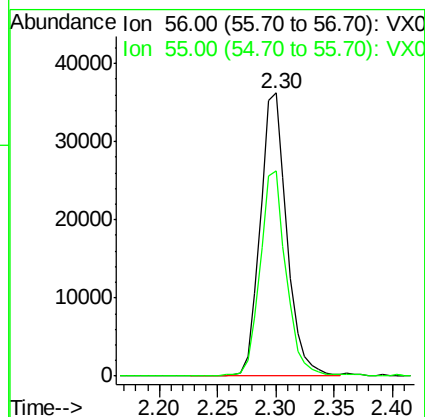
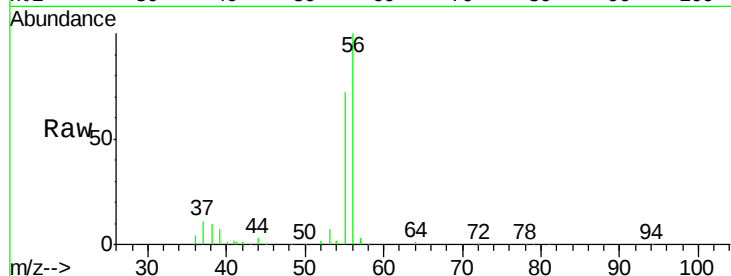
ClientSampled :

Tot Ion: 56 Resp: 57523

Ion Ratio Lower Upper

56 100

55 71.4 58.8 88.2



#14

Allyl chloride

Concen: 46.12 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

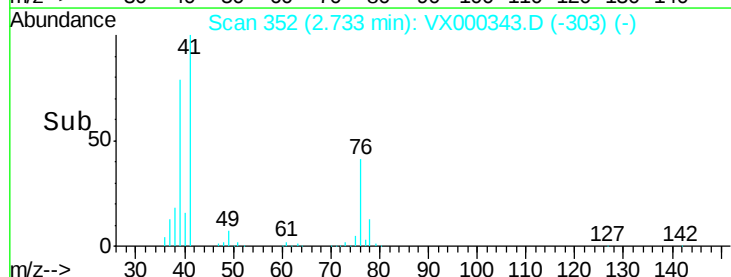
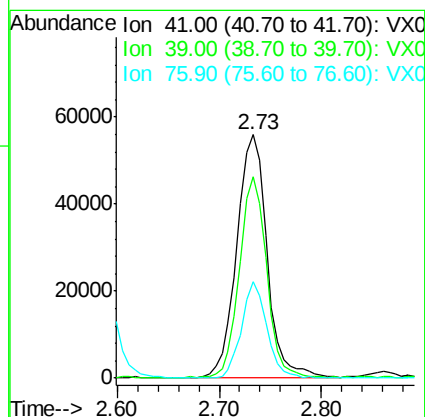
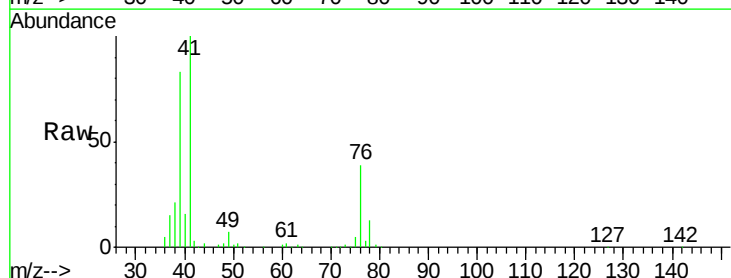
Tgt Ion: 41 Resp: 114998

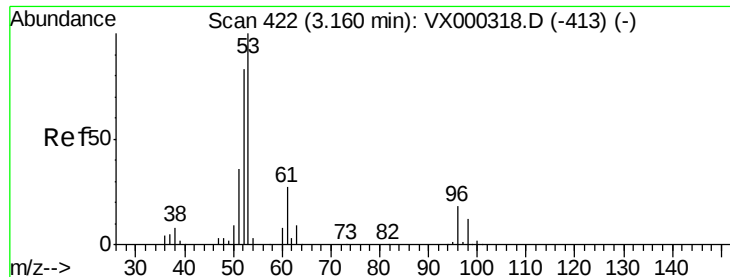
Ion Ratio Lower Upper

41 100

39 73.8 57.6 86.4

76 33.3 27.3 40.9





#15

Acrylonitrile

Concen: 239.71 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

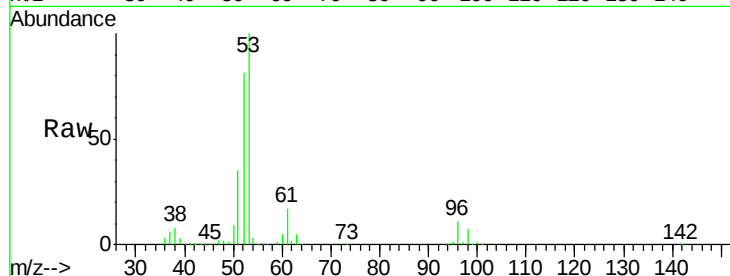
Tot Ion: 53 Resp: 265009

Ion Ratio Lower Upper

53 100

52 83.0 66.6 99.8

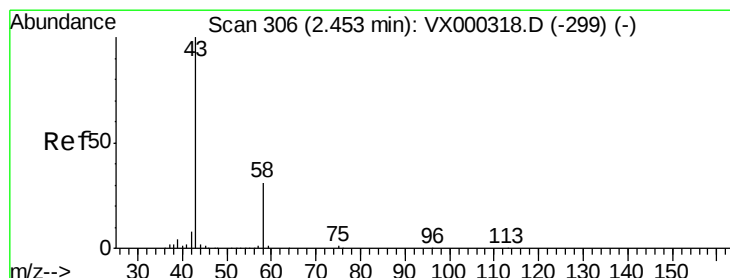
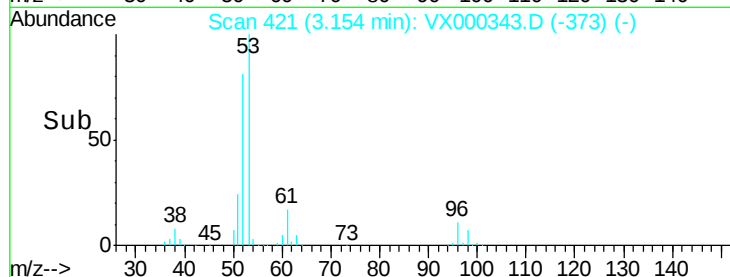
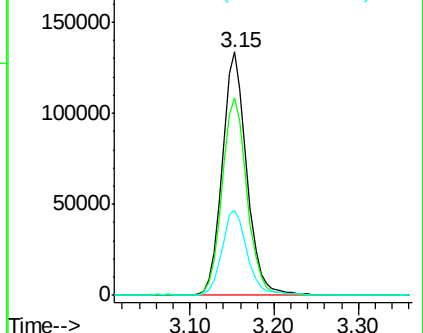
51 36.0 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 258.31 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000343.D

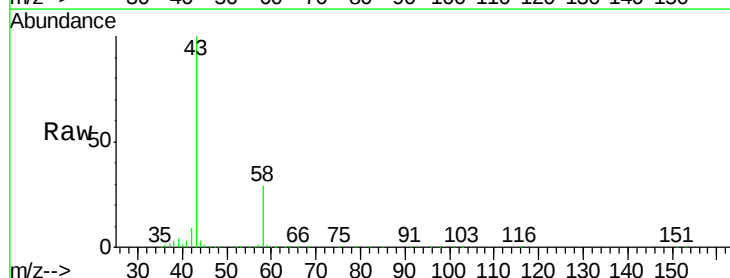
Acq: 16 Mar 2018 12:40

Tgt Ion: 43 Resp: 305633

Ion Ratio Lower Upper

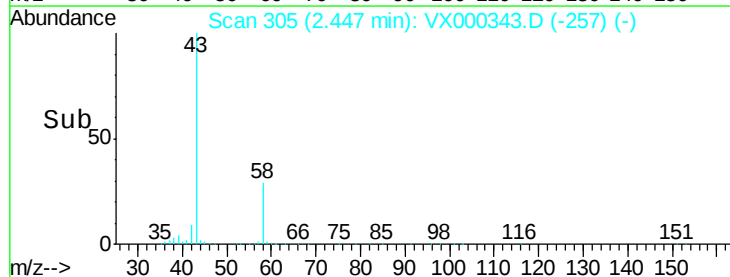
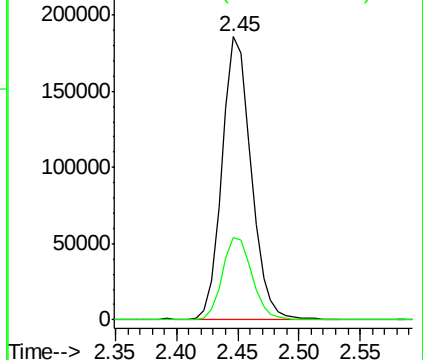
43 100

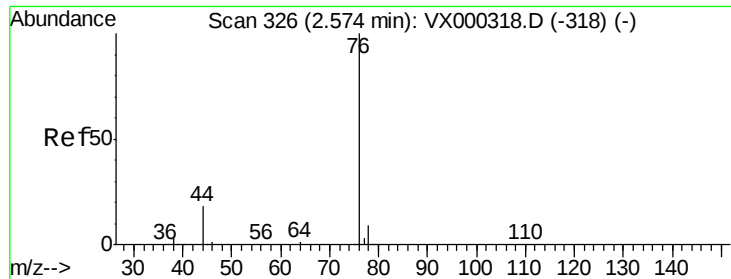
58 29.3 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

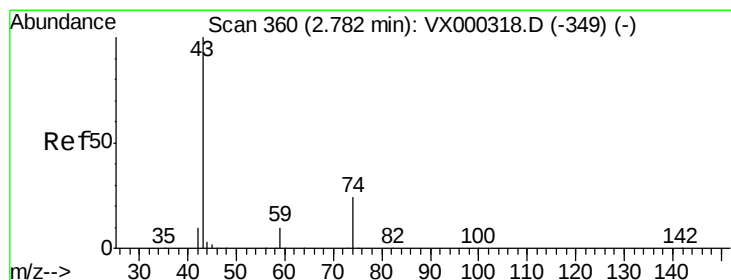
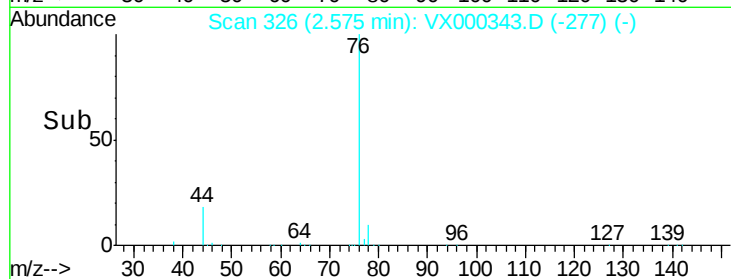
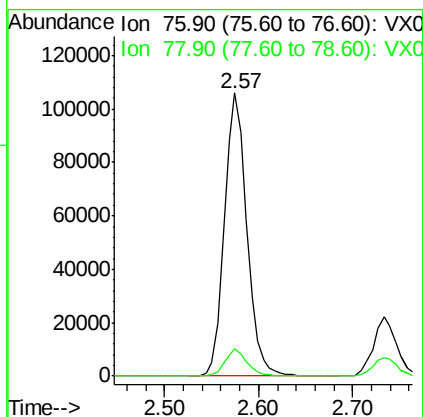
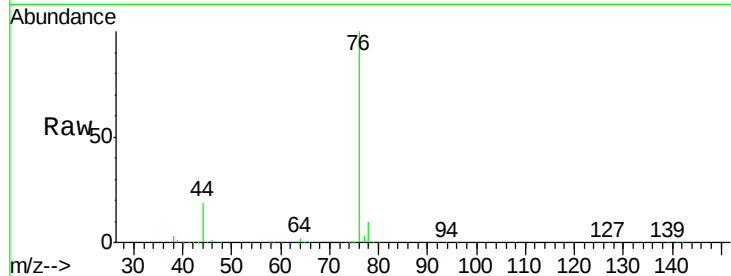




#17
Carbon Disulfide
Concen: 42.83 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

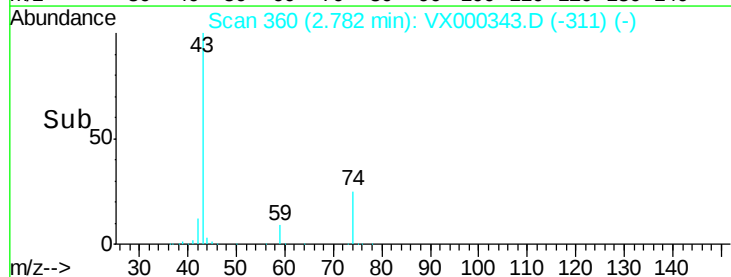
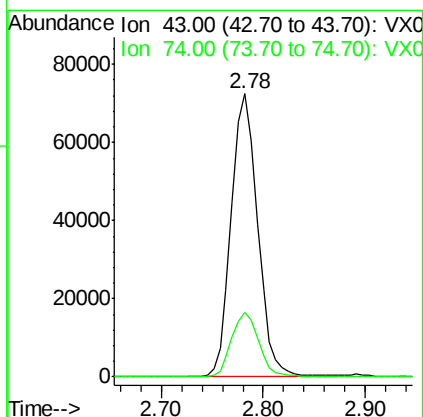
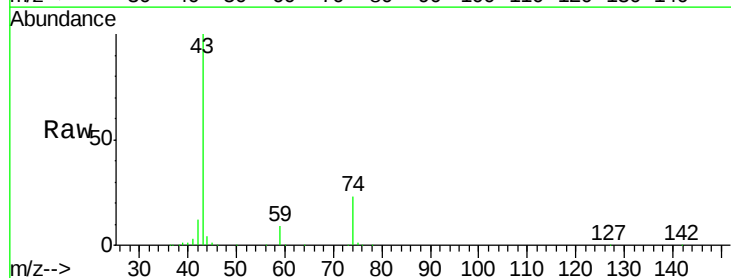
Instrument :
MSVOA_X
ClientSampled :

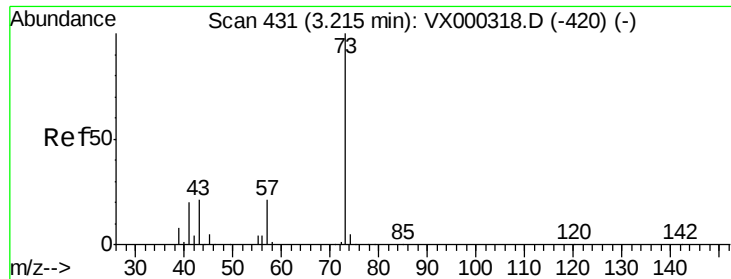
Tot Ion: 76 Resp: 174950
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6



#18
Methyl Acetate
Concen: 49.14 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion: 43 Resp: 130118
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2

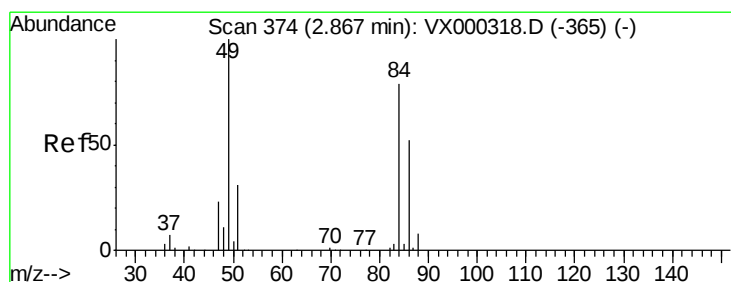
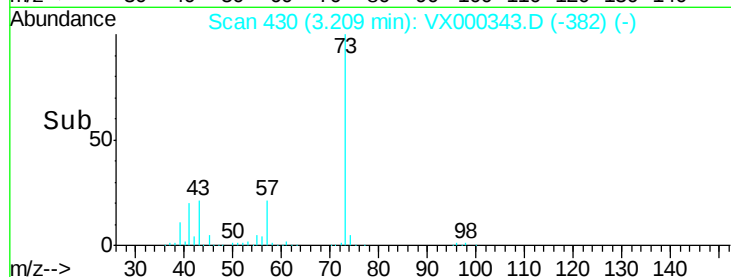
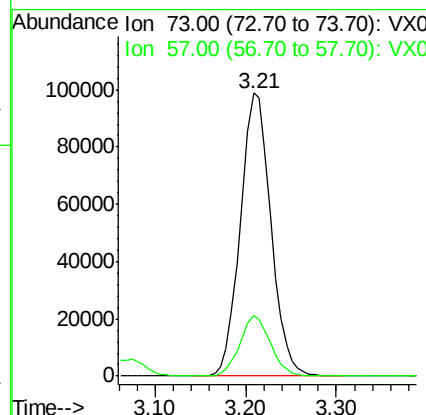
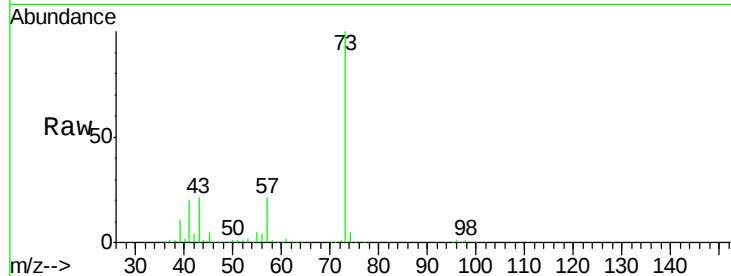




#19
Methyl tert-butyl Ether
Concen: 46.94 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

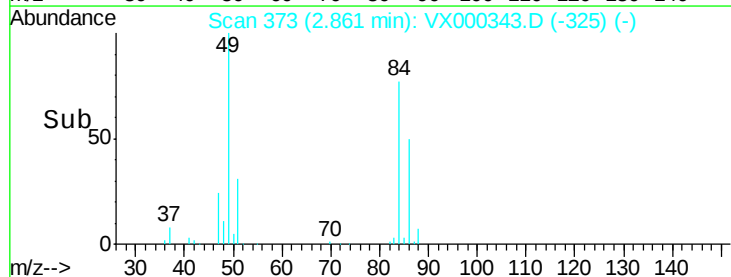
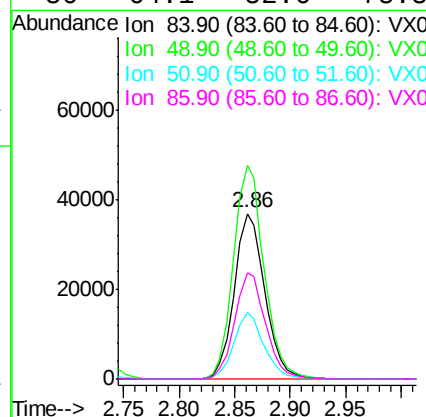
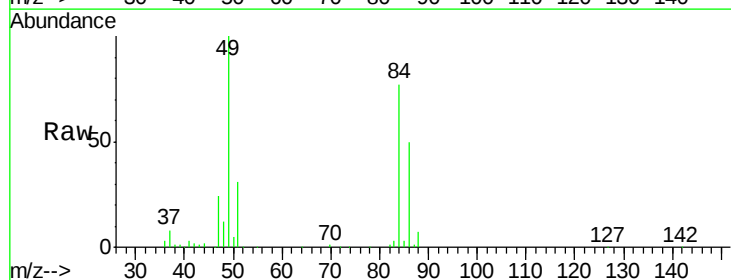
Instrument :
MSVOA_X
ClientSampled :

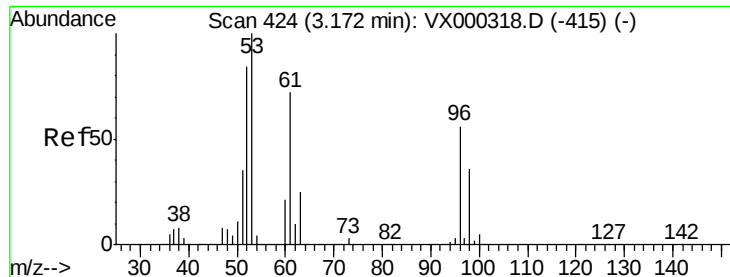
Tot Ion: 73 Resp: 231043
Ion Ratio Lower Upper
73 100
57 21.4 17.2 25.8



#20
Methylene Chloride
Concen: 45.87 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion: 84 Resp: 70269
Ion Ratio Lower Upper
84 100
49 129.3 100.6 151.0
51 40.4 31.6 47.4
86 64.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 44.80 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :

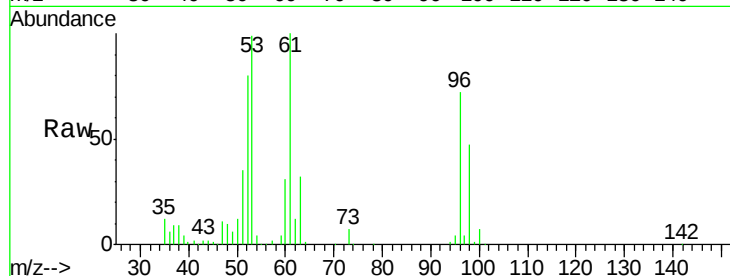
Tot Ion: 96 Resp: 69248

Ion Ratio Lower Upper

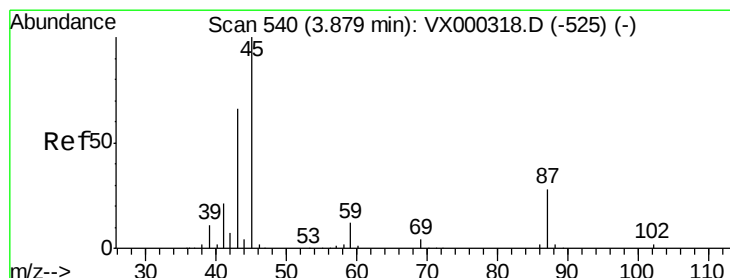
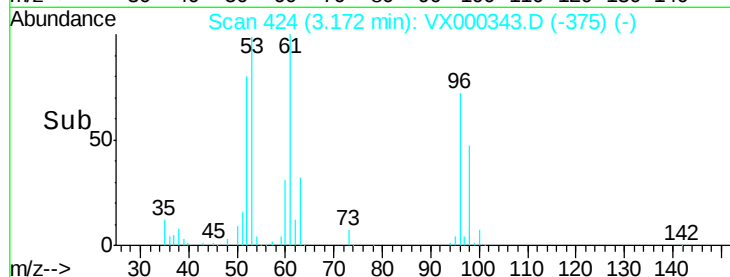
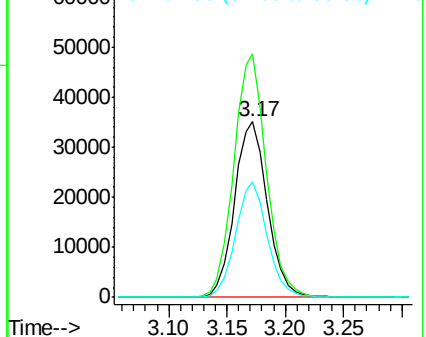
96 100

61 138.9 104.0 156.0

98 65.8 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: 54.02 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Tgt Ion: 45 Resp: 224174

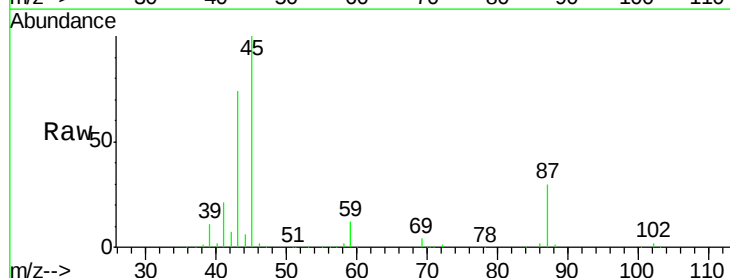
Ion Ratio Lower Upper

45 100

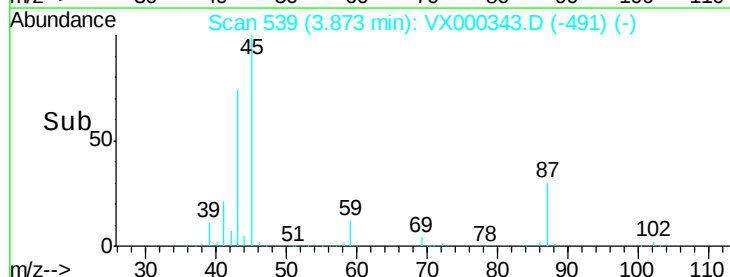
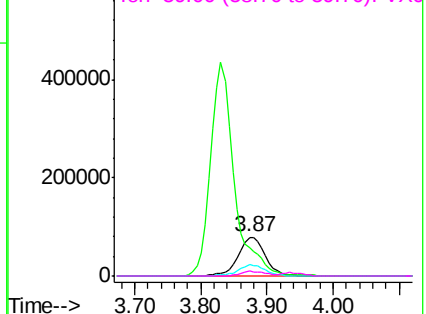
43 73.2 53.9 80.9

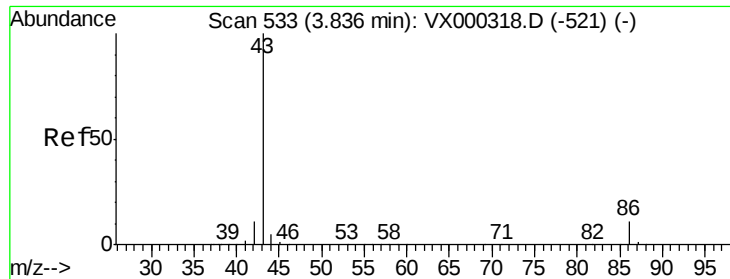
87 29.6 22.6 34.0

59 12.3 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: 275.33 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

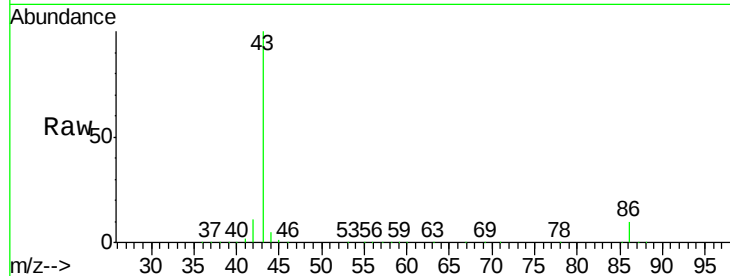
ClientSampled :

Tot Ion: 43 Resp: 1089029

Ion Ratio Lower Upper

43 100

86 9.6 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

400000

300000

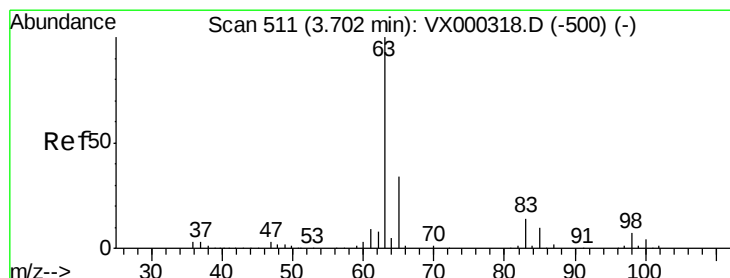
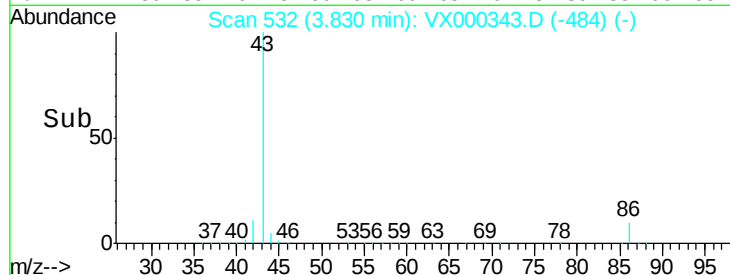
200000

100000

0

Time-->

3.80 4.00



#24

1,1-Dichloroethane

Concen: 48.54 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

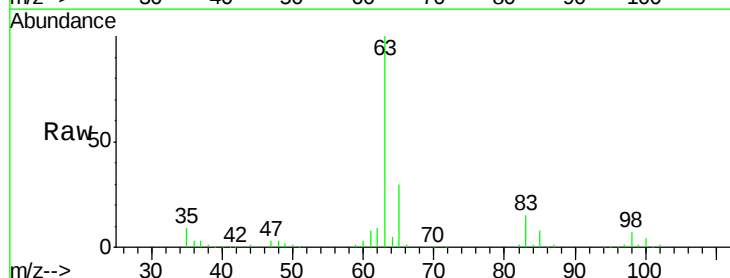
Tgt Ion: 63 Resp: 126715

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

100 4.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

60000

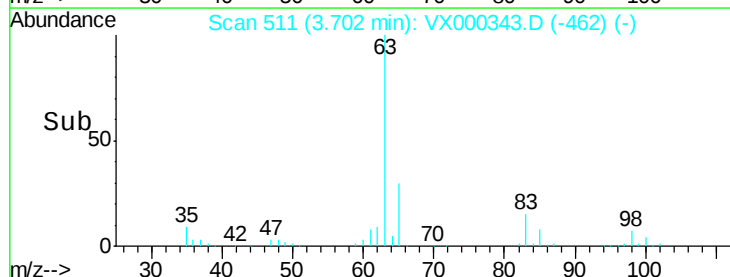
40000

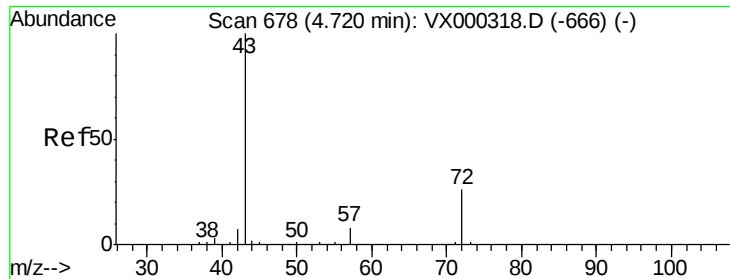
20000

0

Time-->

3.60 3.70 3.80

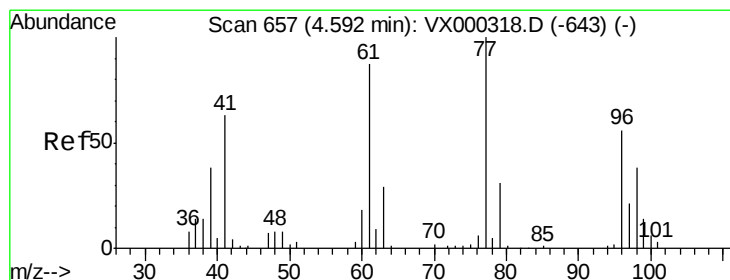
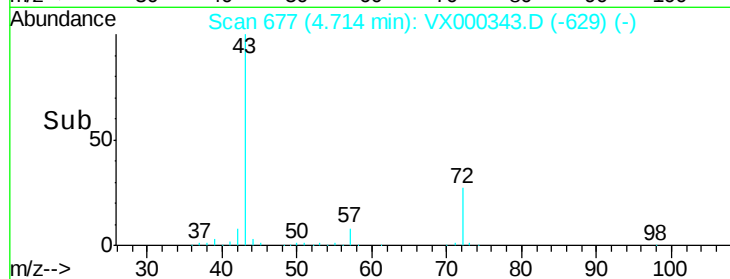
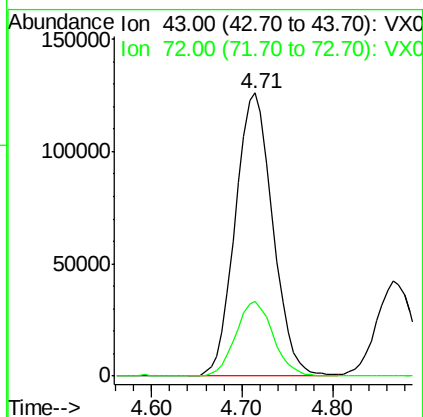
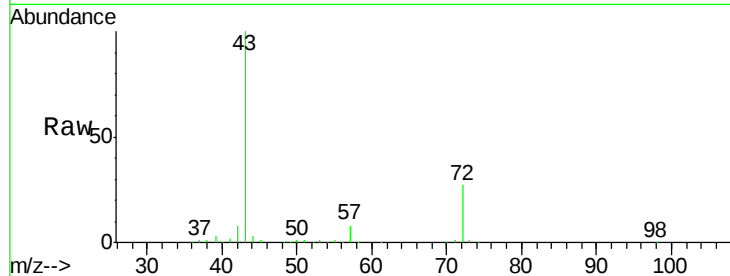




#25
2-Butanone
Concen: 254.72 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.01 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

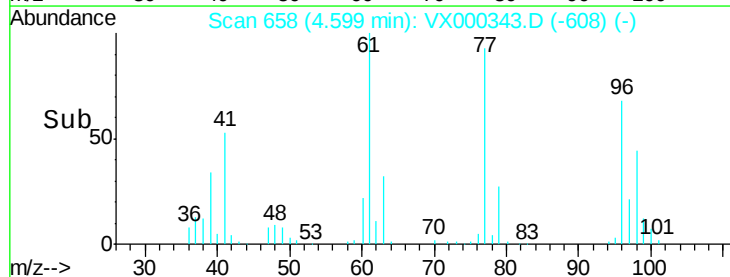
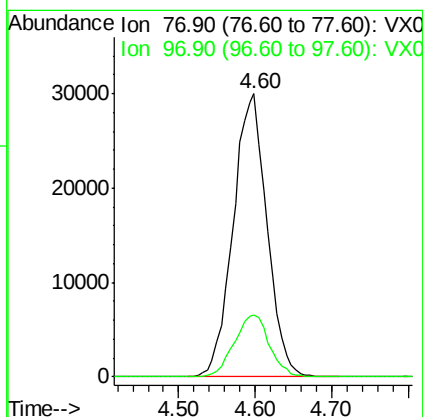
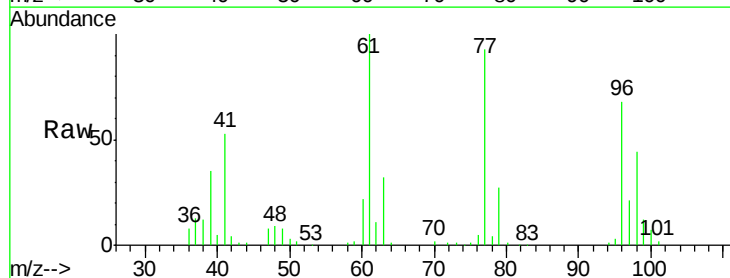
Instrument :
MSVOA_X
ClientSampleId :

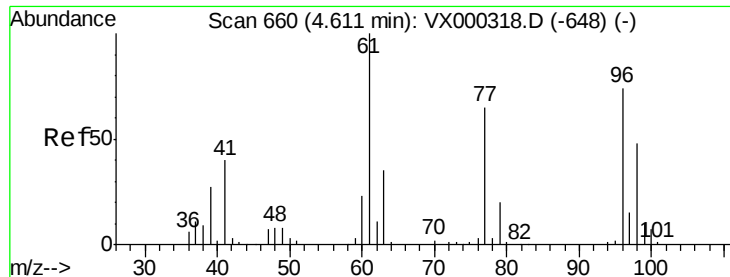
Tot Ion: 43 Resp: 360206
Ion Ratio Lower Upper
43 100
72 26.6 21.0 31.6



#26
2,2-Dichloropropane
Concen: 48.79 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion: 77 Resp: 91931
Ion Ratio Lower Upper
77 100
97 22.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 45.79 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampled :

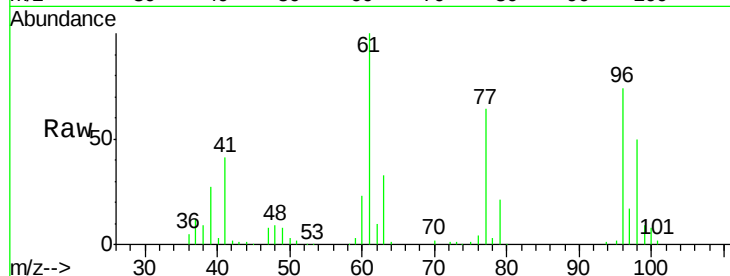
Tot Ion: 96 Resp: 64664

Ion Ratio Lower Upper

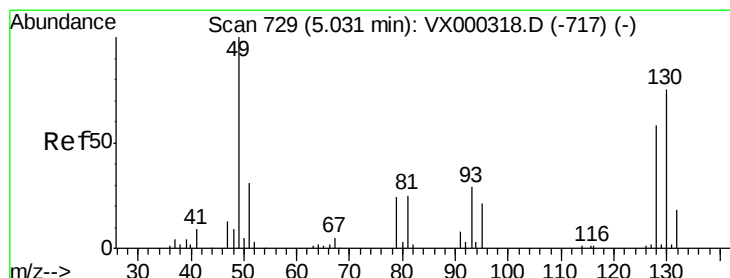
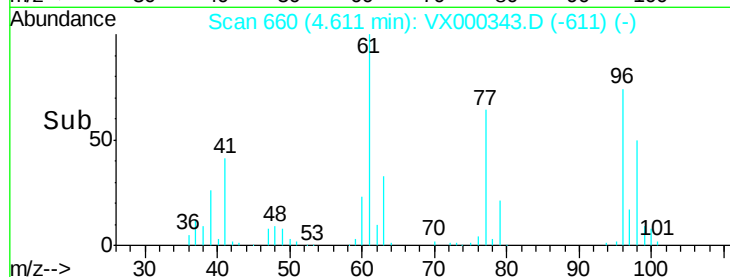
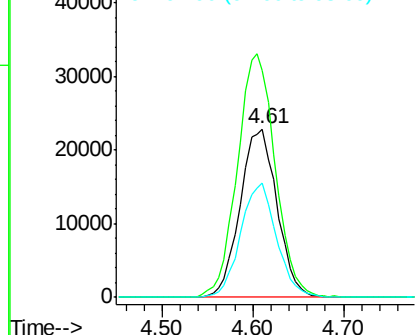
96 100

61 147.6 0.0 291.6

98 65.7 0.0 132.0



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



#28

Bromochloromethane

Concen: 47.24 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.01 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

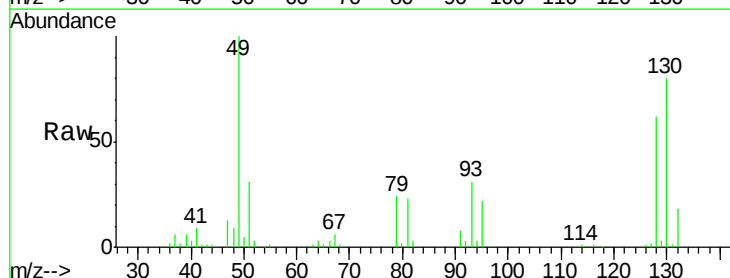
Tgt Ion: 49 Resp: 51830

Ion Ratio Lower Upper

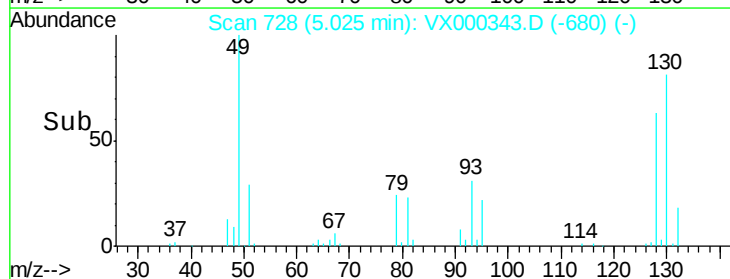
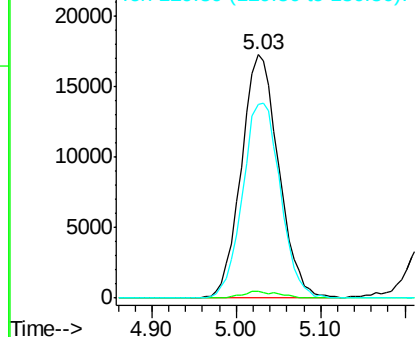
49 100

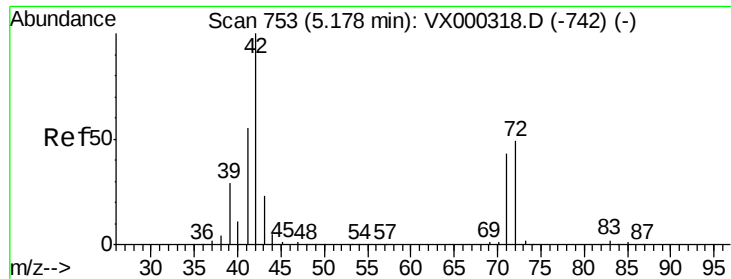
129 2.5 0.0 5.0

130 80.6 64.0 96.0



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

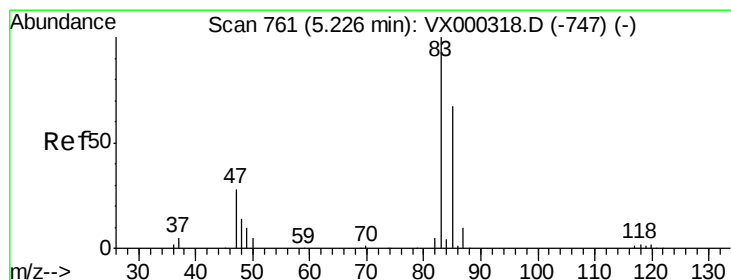
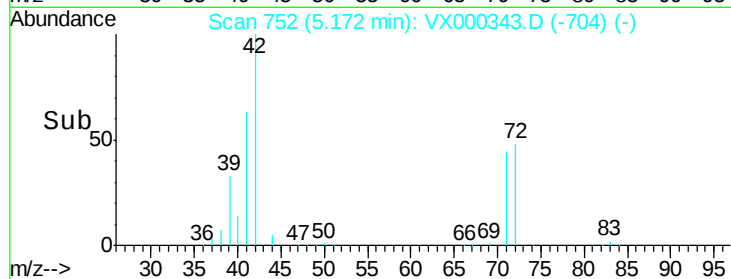
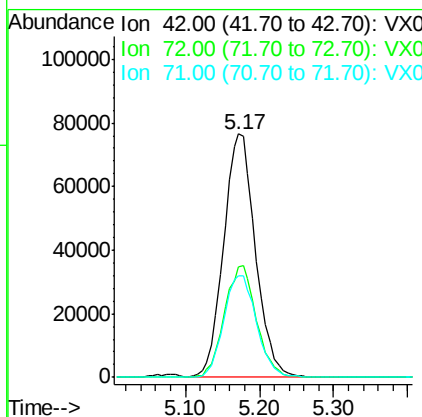
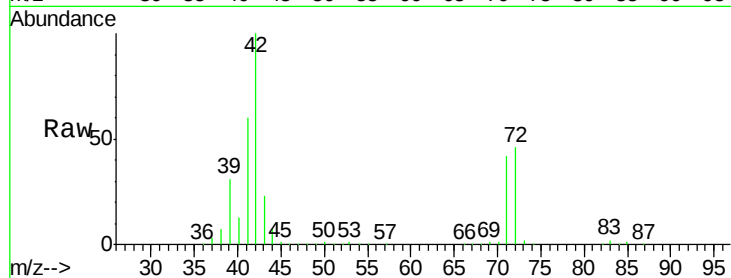




#29
Tetrahydrofuran
Concen: 249.77 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

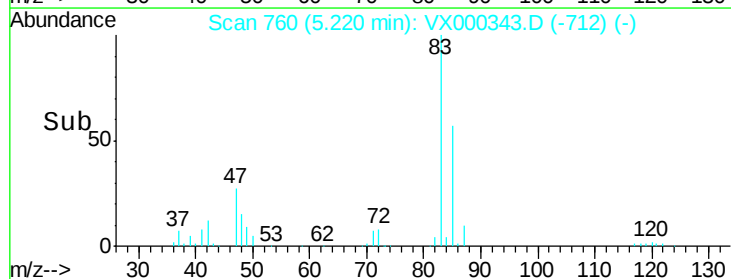
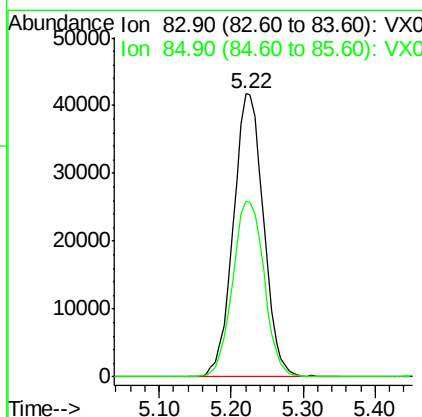
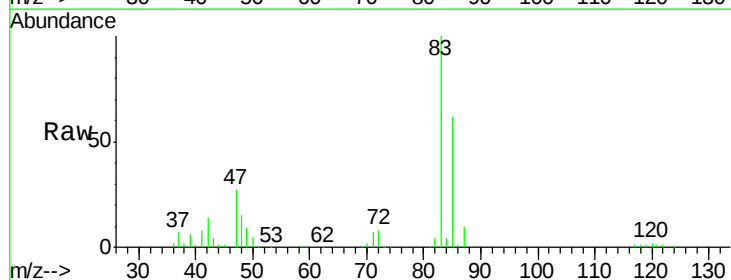
Instrument :
MSVOA_X
ClientSampleId :

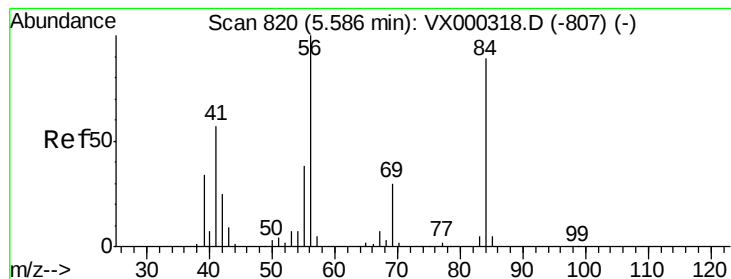
Tot Ion: 42 Resp: 227342
Ion Ratio Lower Upper
42 100
72 46.4 37.9 56.9
71 43.2 34.4 51.6



#30
Chloroform
Concen: 49.30 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion: 83 Resp: 121508
Ion Ratio Lower Upper
83 100
85 62.2 53.3 79.9





#31

Cyclohexane

Concen: 48.75 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampled :

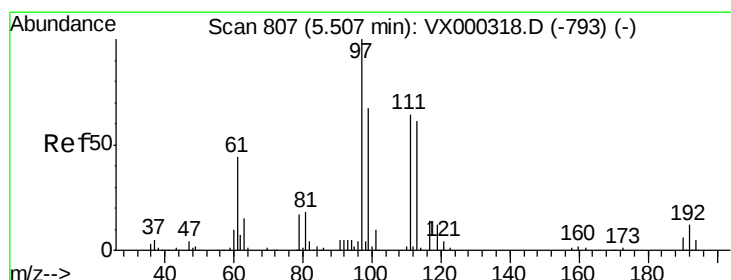
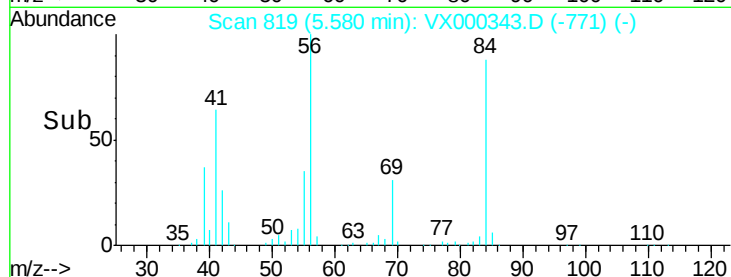
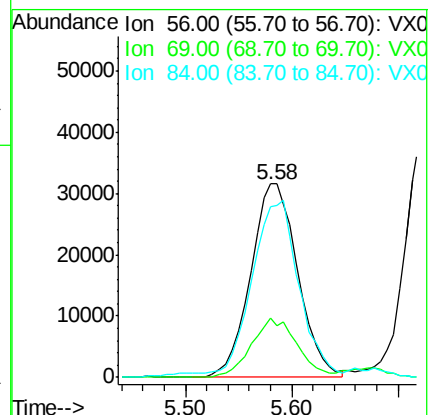
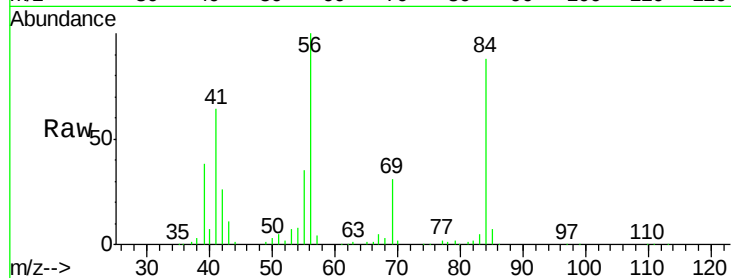
Tot Ion: 56 Resp: 97652

Ion Ratio Lower Upper

56 100

69 30.7 23.4 35.0

84 85.7 71.0 106.4



#32

1,1,1-Trichloroethane

Concen: 48.96 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

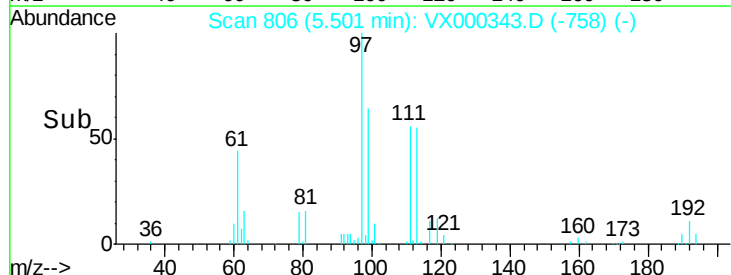
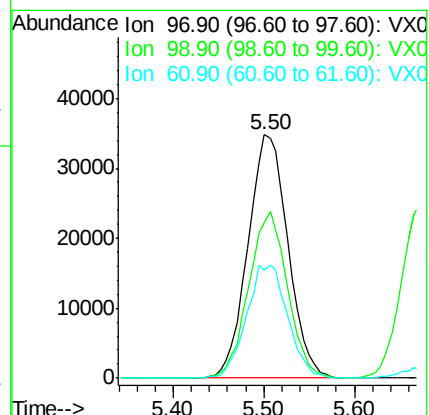
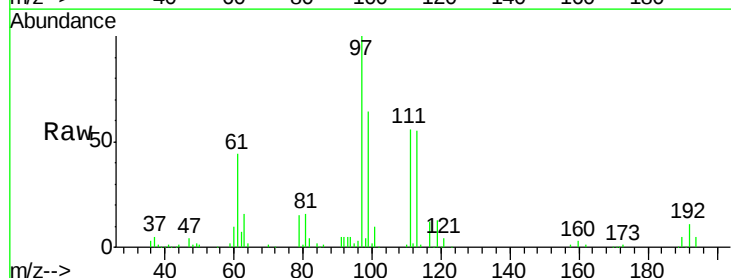
Tgt Ion: 97 Resp: 106640

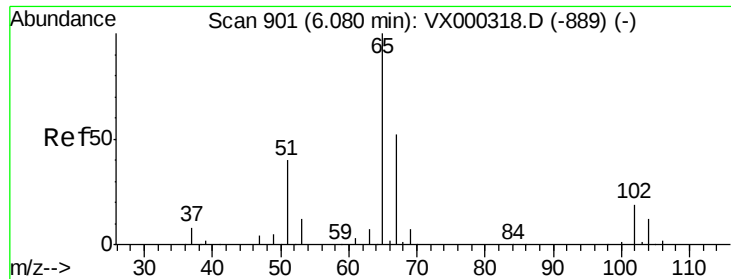
Ion Ratio Lower Upper

97 100

99 66.1 52.1 78.1

61 47.6 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 44.94 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

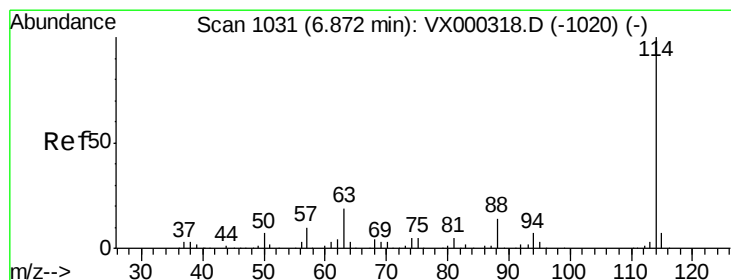
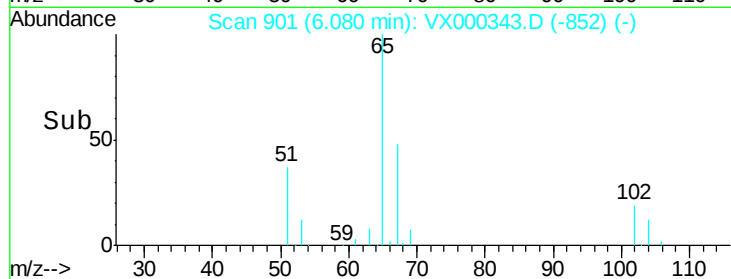
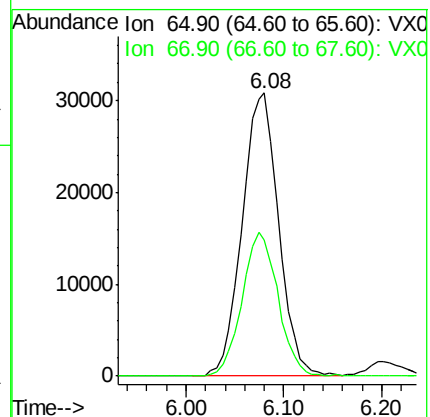
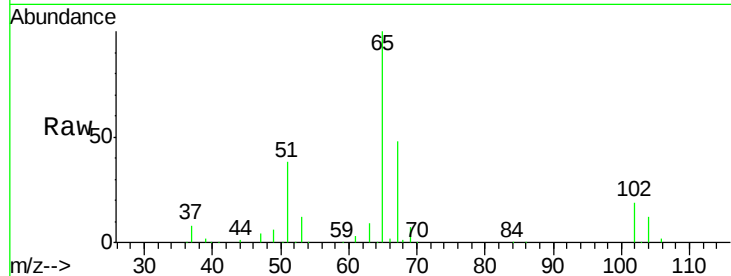
ClientSampleId :

Tot Ion: 65 Resp: 79633

Ion Ratio Lower Upper

65 100

67 49.9 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

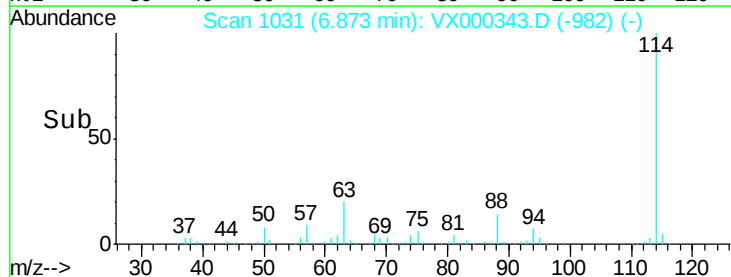
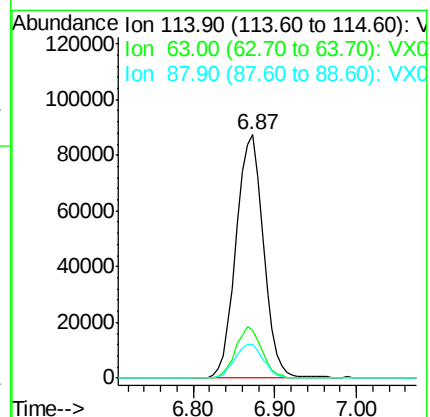
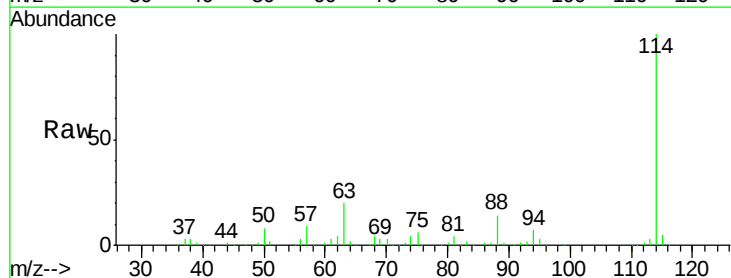
Tgt Ion: 114 Resp: 203131

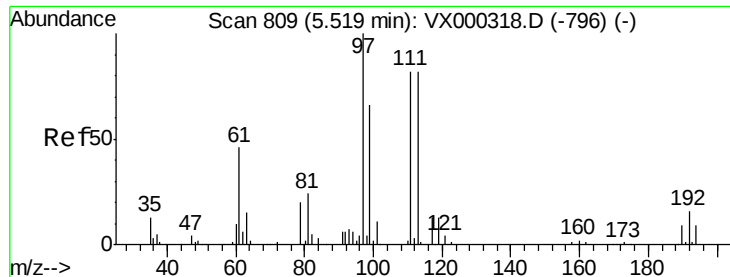
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

88 13.8 0.0 27.0

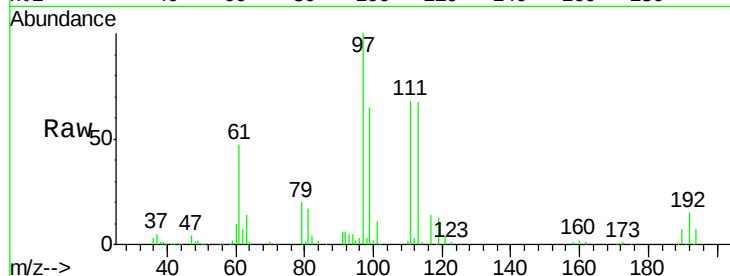




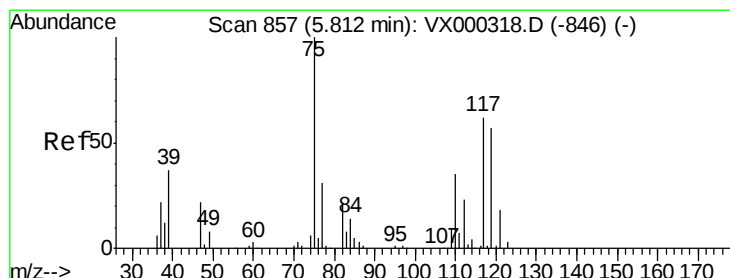
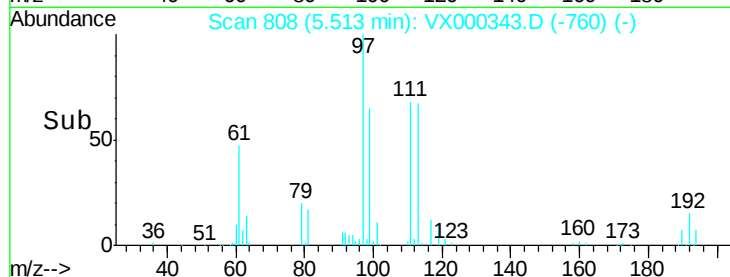
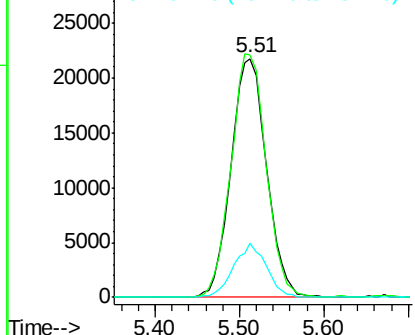
#35
 Dibromofluoromethane
 Concen: 48.43 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:113 Resp: 62070
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.4 123.6
 192 20.8 15.8 23.6

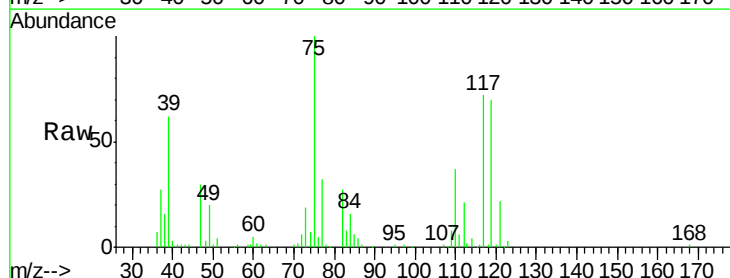


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

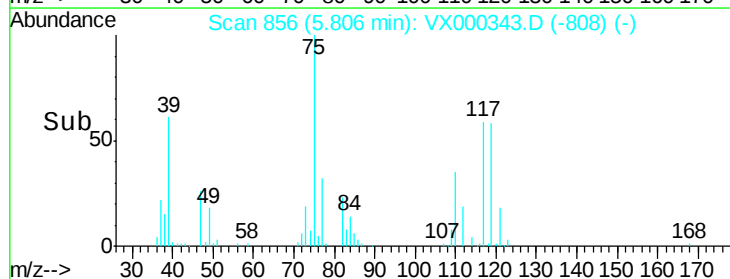
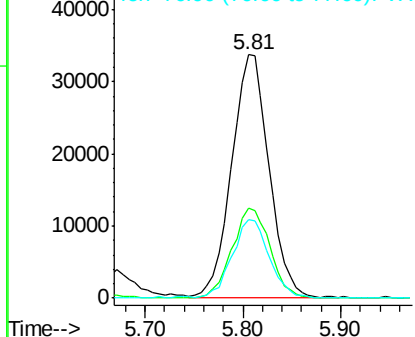


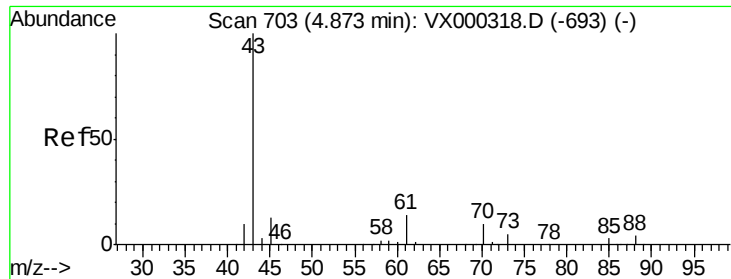
#36
 1,1-Dichloropropene
 Concen: 48.07 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

Tgt Ion: 75 Resp: 88727
 Ion Ratio Lower Upper
 75 100
 110 37.7 17.9 53.7
 77 32.4 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

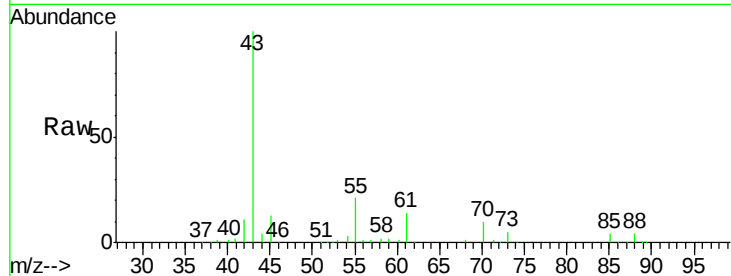




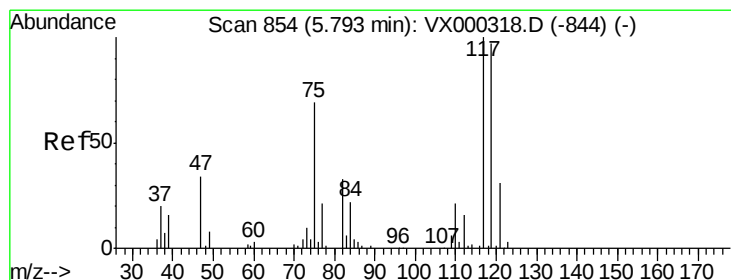
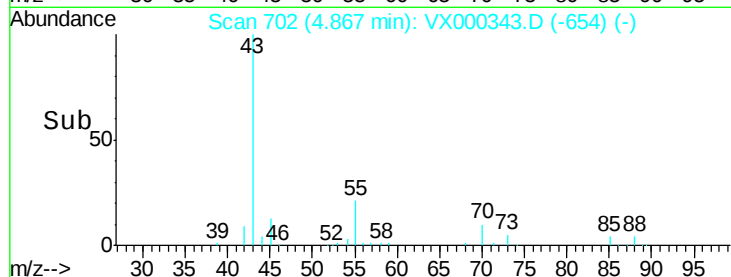
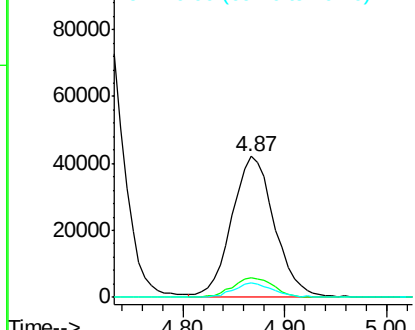
#37
Ethyl Acetate
Concen: 49.38 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 121126
Ion Ratio Lower Upper
43 100
61 13.6 11.1 16.7
70 9.6 7.7 11.5

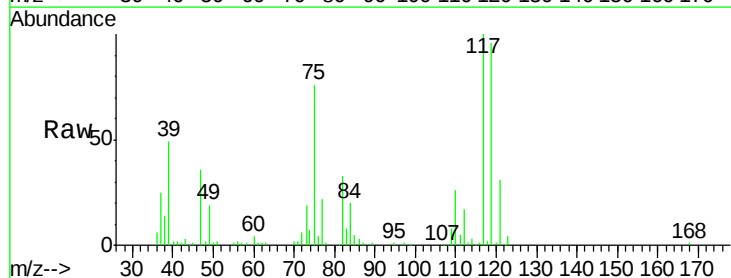


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

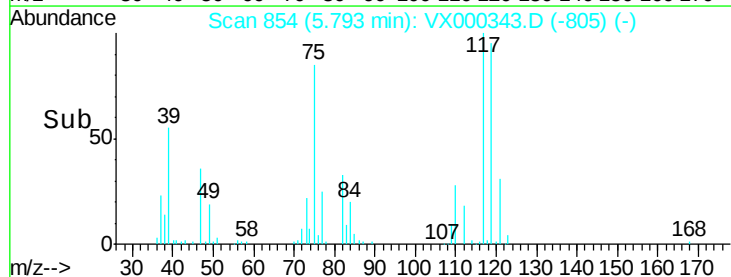
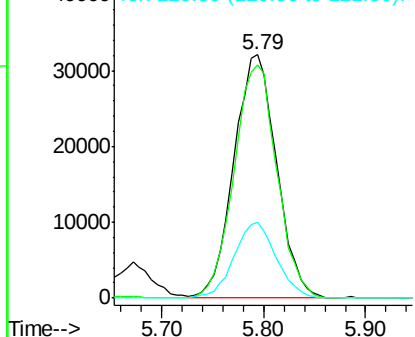


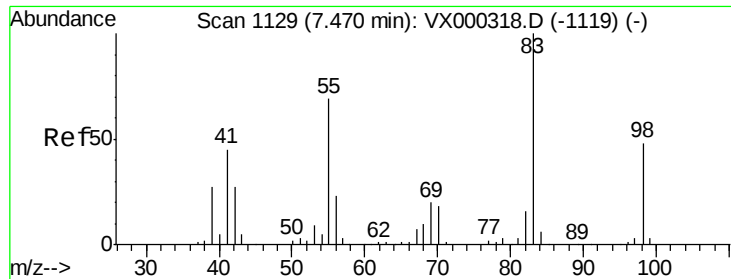
#38
Carbon Tetrachloride
Concen: 49.97 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion: 117 Resp: 92974
Ion Ratio Lower Upper
117 100
119 96.2 77.4 116.2
121 31.2 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

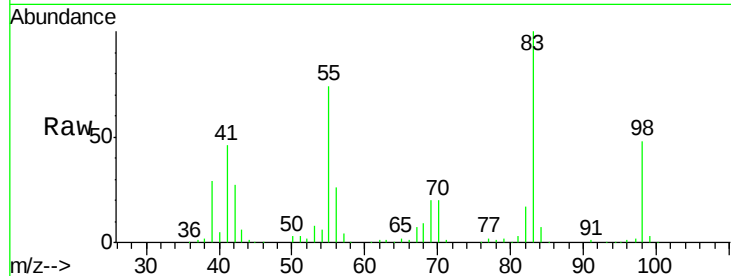




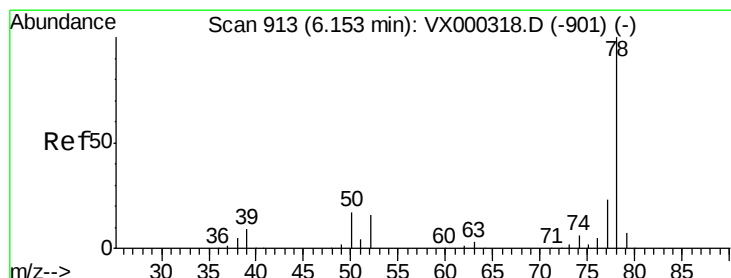
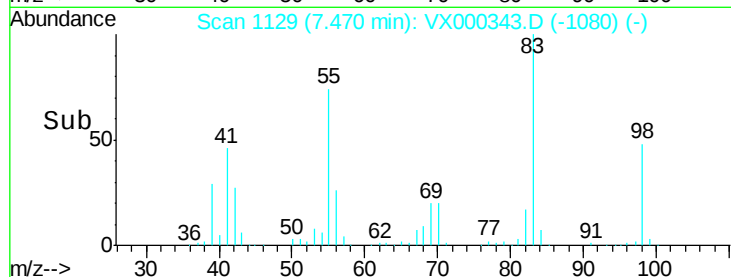
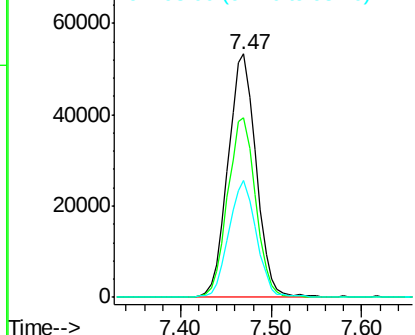
#39
Methvlcvclohexane
Concen: 53.55 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 115282
Ion Ratio Lower Upper
83 100
55 73.9 55.5 83.3
98 48.2 38.2 57.4

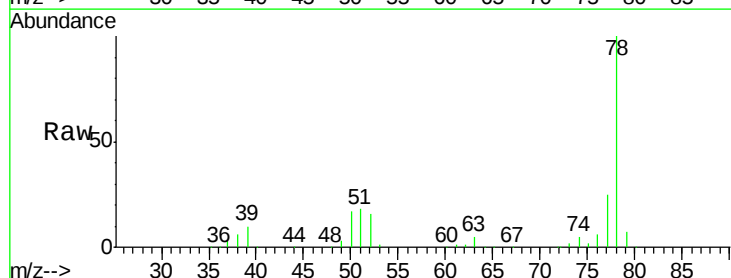


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

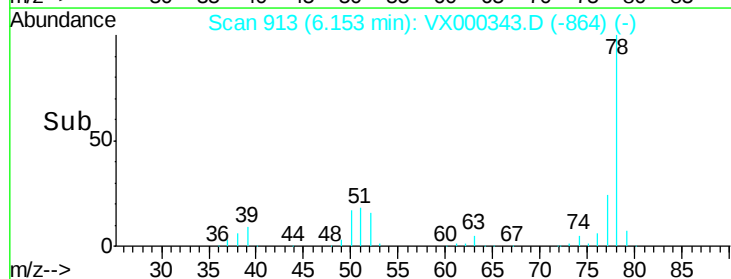
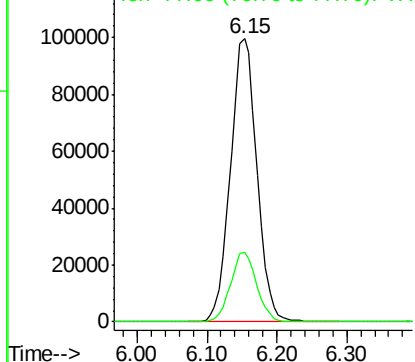


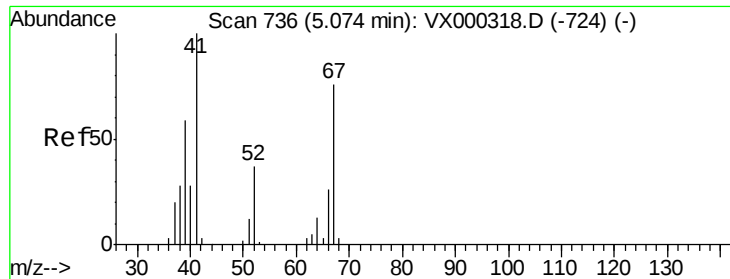
#40
Benzene
Concen: 50.08 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion: 78 Resp: 262259
Ion Ratio Lower Upper
78 100
77 24.8 18.7 28.1



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

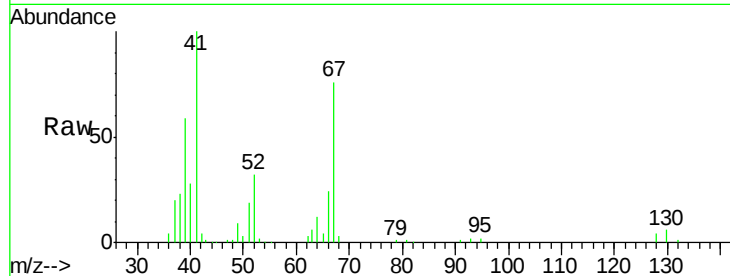




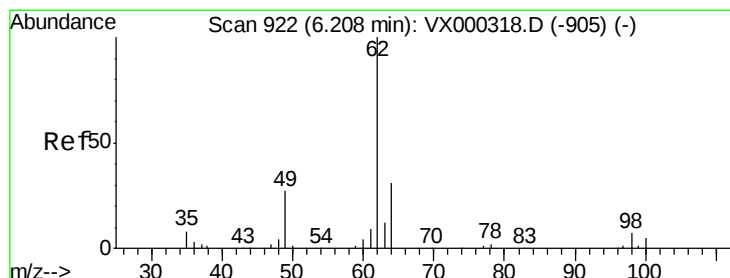
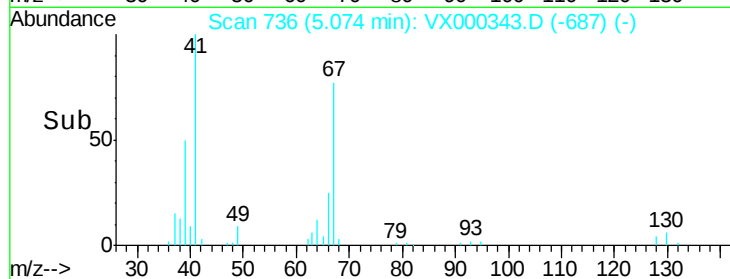
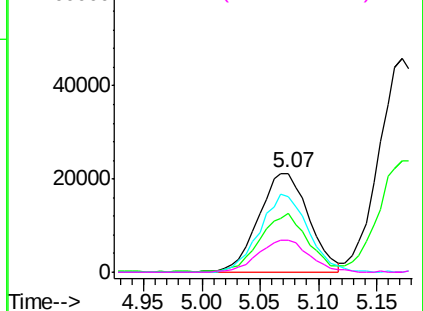
#41
Methacrylonitrile
Concen: 49.22 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	63392
Ion	Ratio	Lower	Upper
41	100		
39	55.7	45.7	68.5
67	75.8	57.8	86.8
52	33.6	26.7	40.1

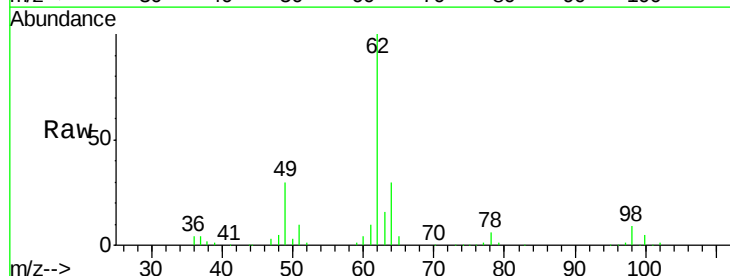


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

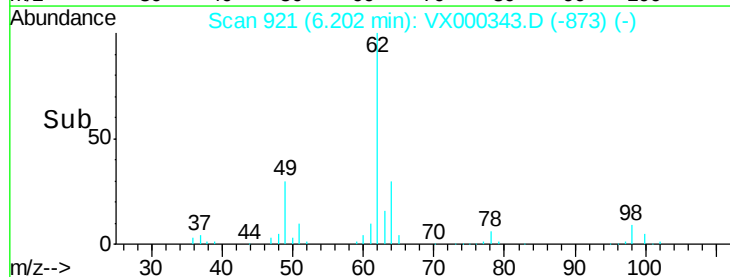
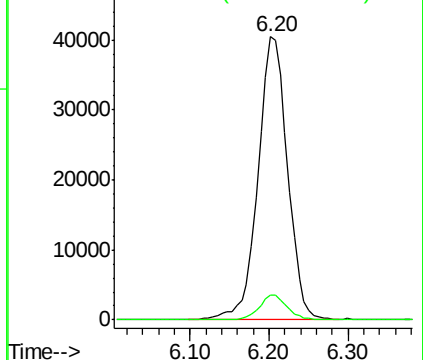


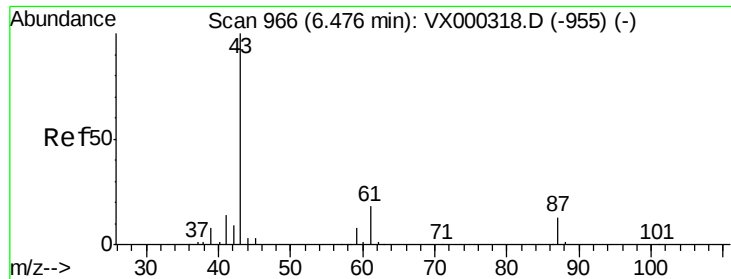
#42
1,2-Dichloroethane
Concen: 50.75 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion:	62	Resp:	105323
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.8



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



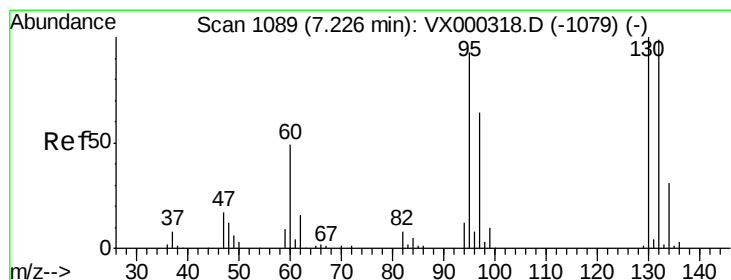
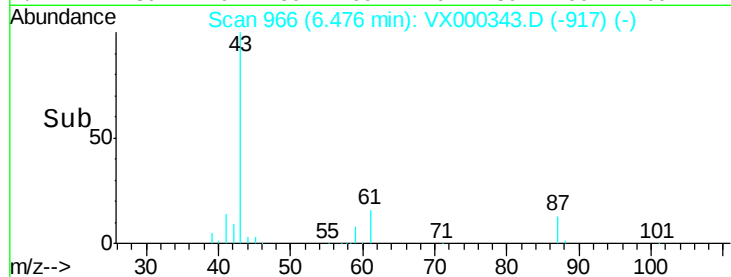
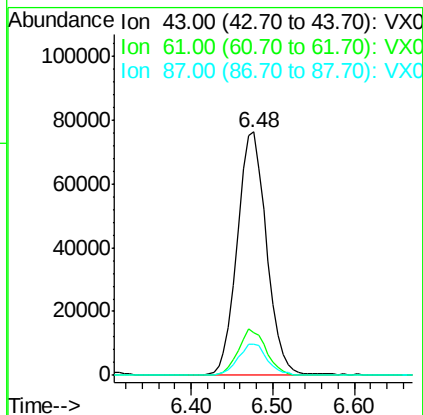
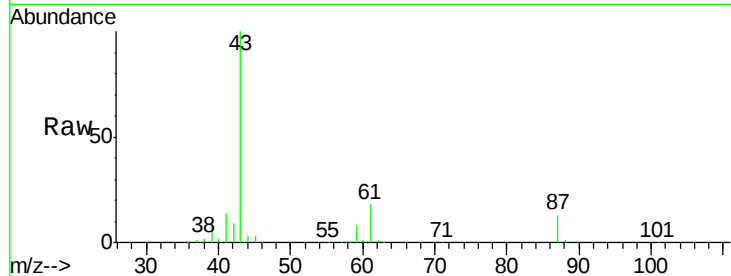


#43

Isopropyl Acetate
 Concen: 53.86 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampled :

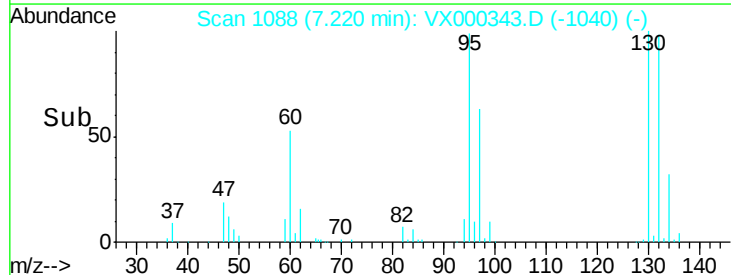
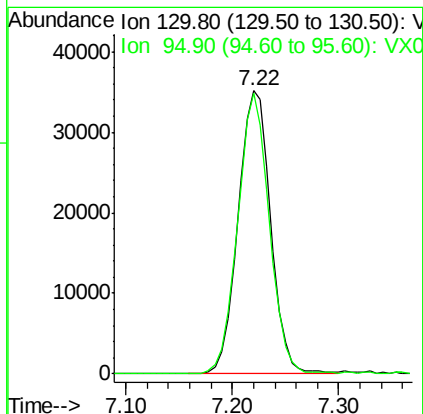
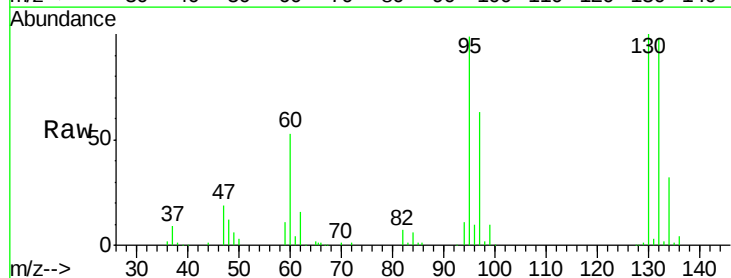
Tot Ion	43	Resp	190684
Ion Ratio	100	Lower	Upper
61	18.2	14.4	21.6
87	12.8	11.0	16.4

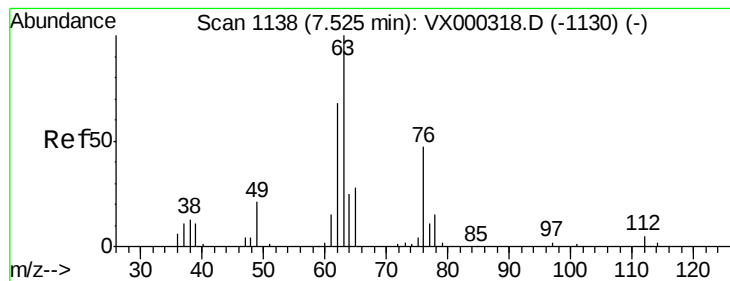


#44

Trichloroethene
 Concen: 49.78 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

Tgt Ion	130	Resp	75524
Ion Ratio	100	Lower	Upper
95	99.0	0.0	186.0





#45

1,2-Dichloropropane

Concen: 53.02 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

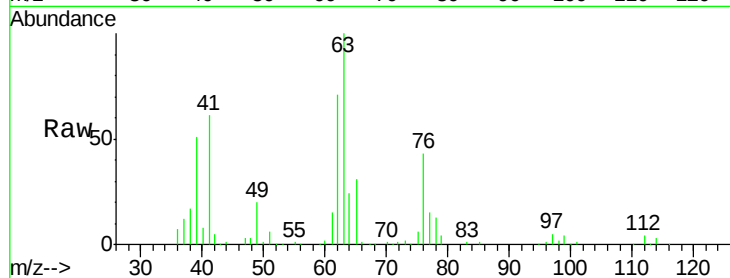
ClientSampled :

Tot Ion: 63 Resp: 68470

Ion Ratio Lower Upper

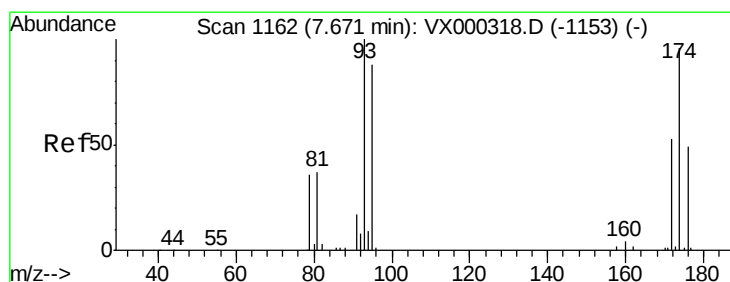
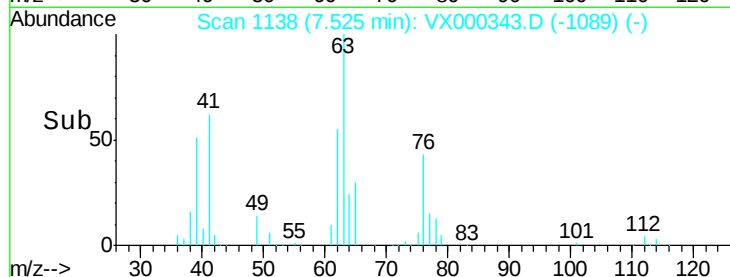
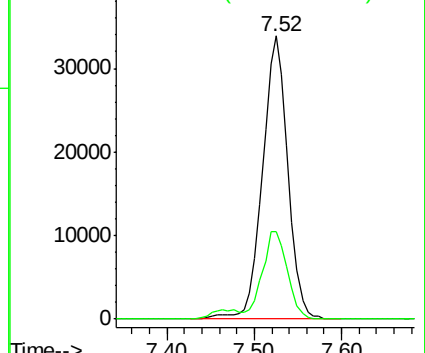
63 100

65 31.1 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: 50.80 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

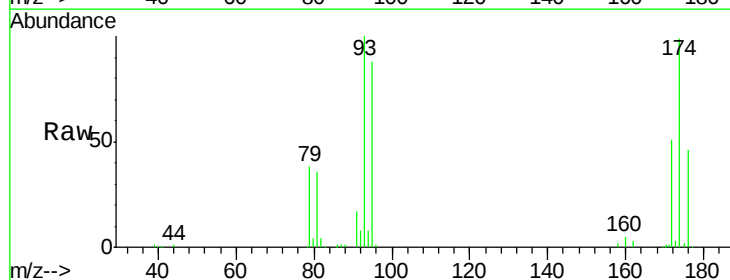
Tgt Ion: 93 Resp: 52700

Ion Ratio Lower Upper

93 100

95 83.7 66.5 99.7

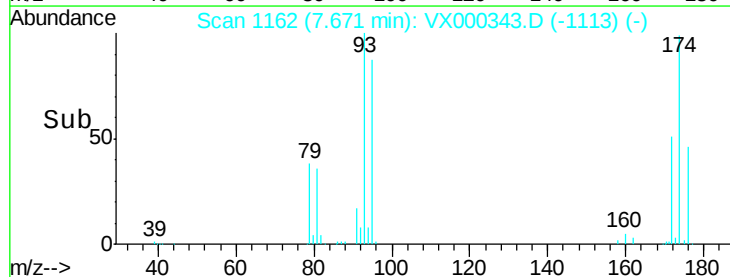
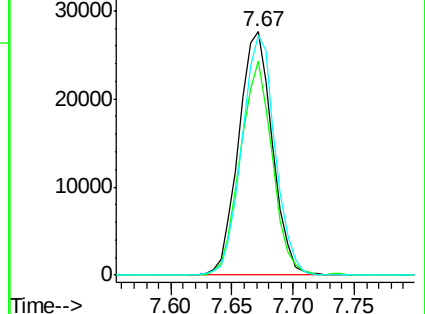
174 97.0 76.0 114.0

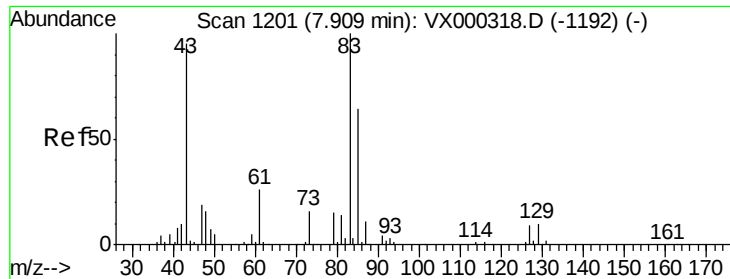


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.64 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

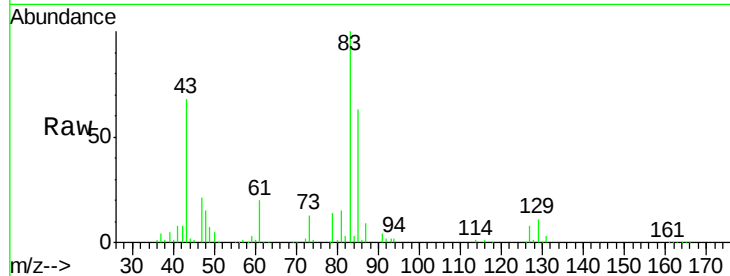
Tot Ion: 83 Resp: 98786

Ion Ratio Lower Upper

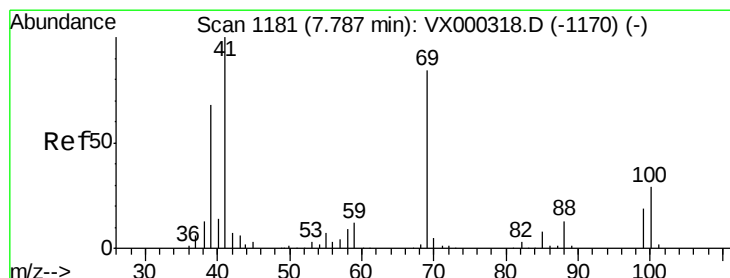
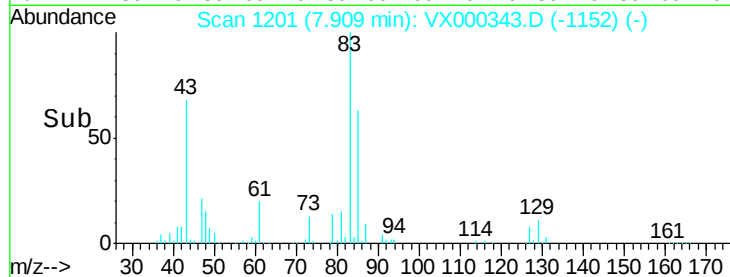
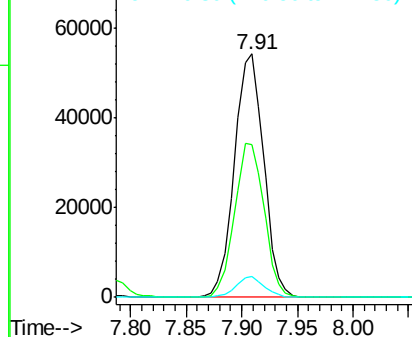
83 100

85 62.5 51.4 77.0

127 8.5 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: 52.01 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

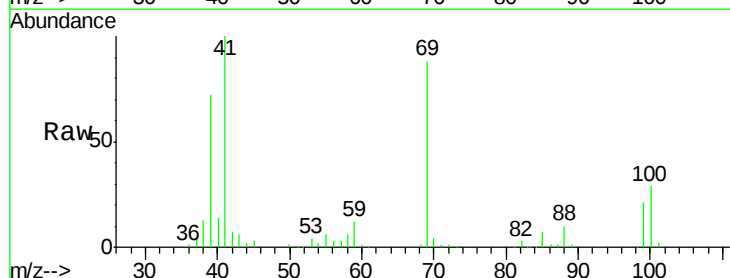
Tgt Ion: 41 Resp: 93109

Ion Ratio Lower Upper

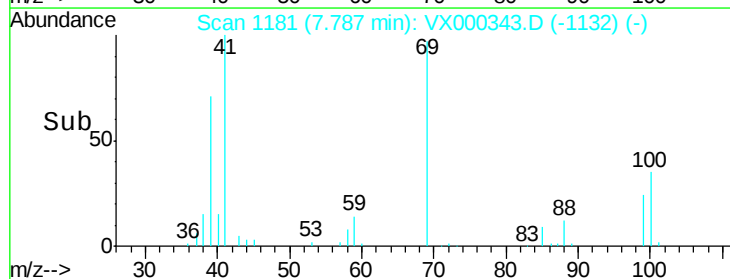
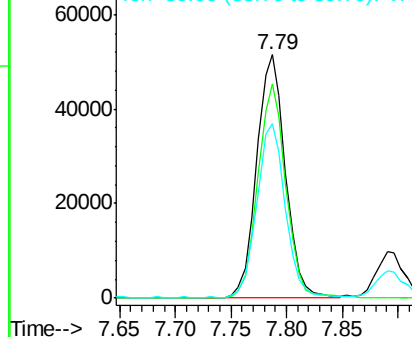
41 100

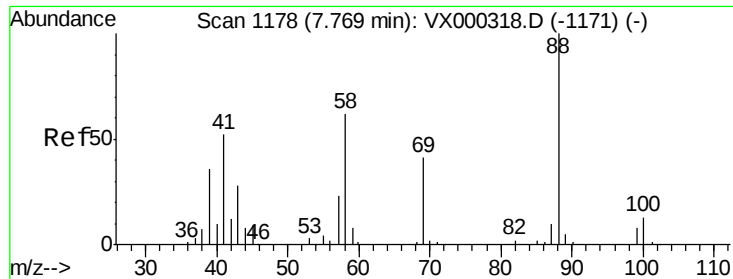
69 85.9 68.2 102.4

39 70.6 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

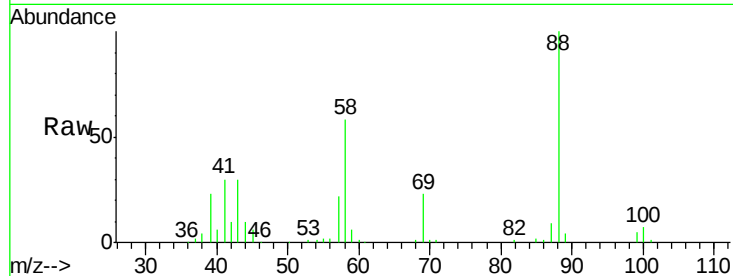




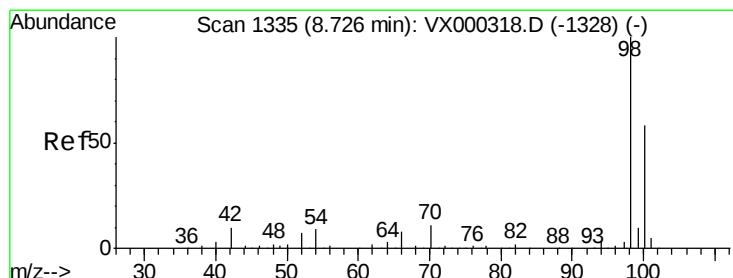
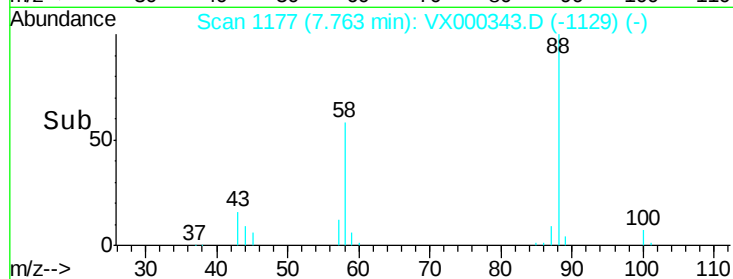
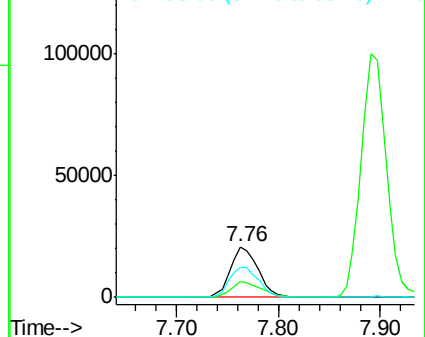
#49
1,4-Dioxane
Concen: 966.85 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 38940
Ion Ratio Lower Upper
88 100
43 34.1 26.8 40.2
58 64.2 52.2 78.2

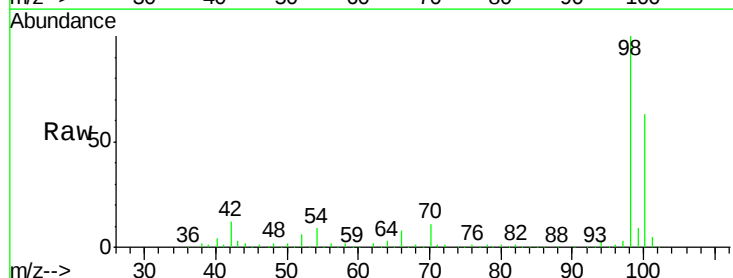


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

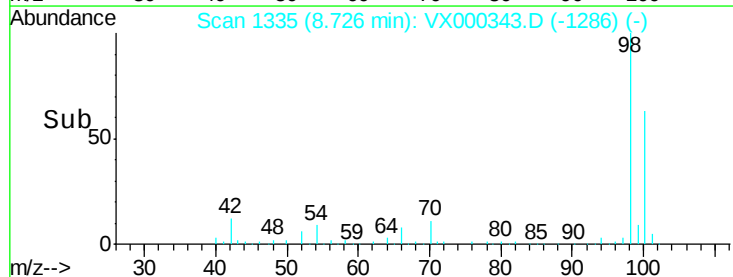
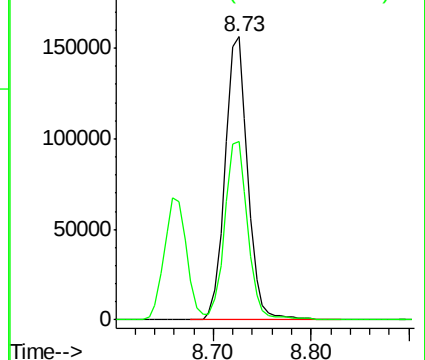


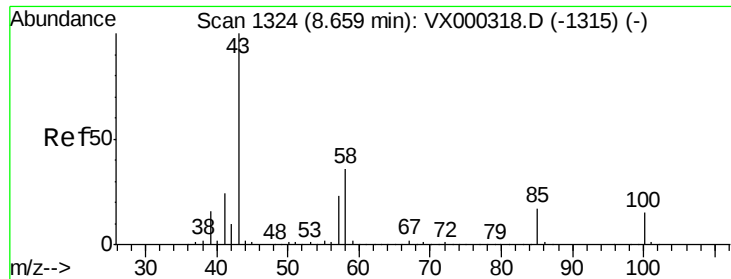
#50
Toluene-d8
Concen: 46.93 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion: 98 Resp: 250937
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 268.58 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

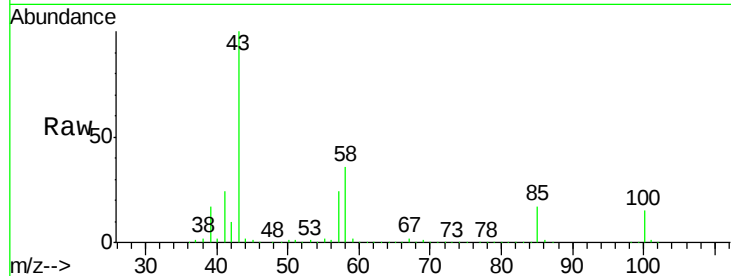
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 738428

Ion Ratio Lower Upper

43 100

58 37.4 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

400000

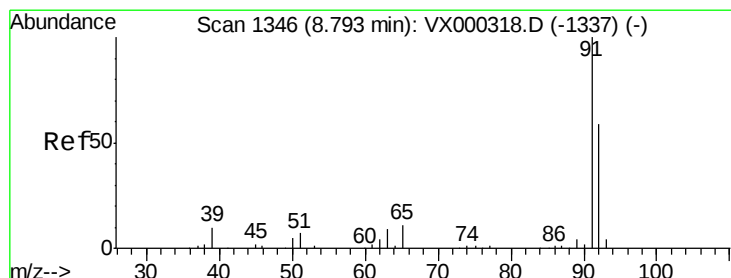
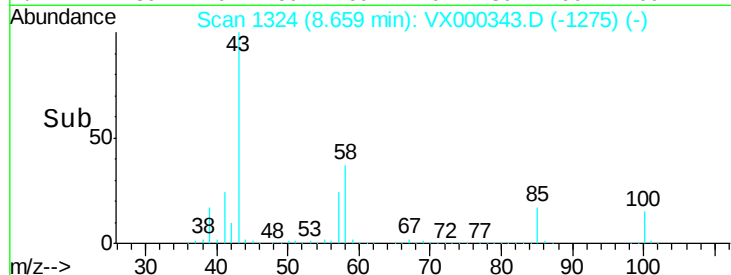
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.07 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000343.D

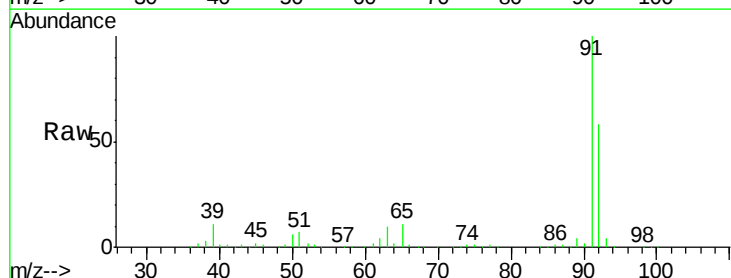
Acq: 16 Mar 2018 12:40

Tgt Ion: 92 Resp: 184180

Ion Ratio Lower Upper

92 100

91 173.7 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

200000

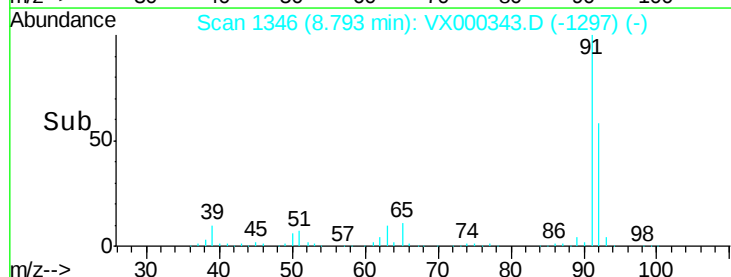
150000

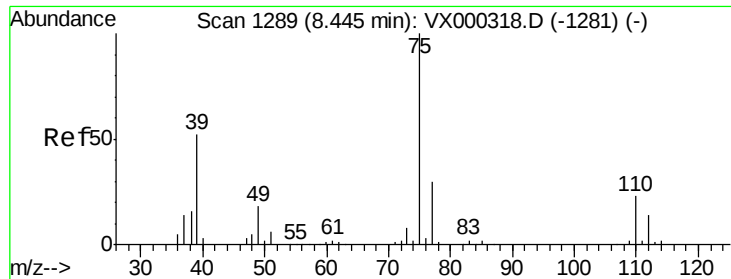
100000

50000

0

Time-->

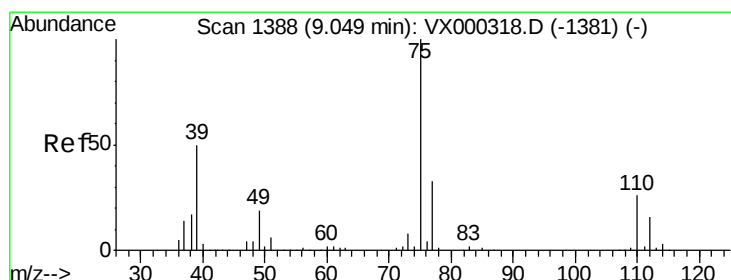
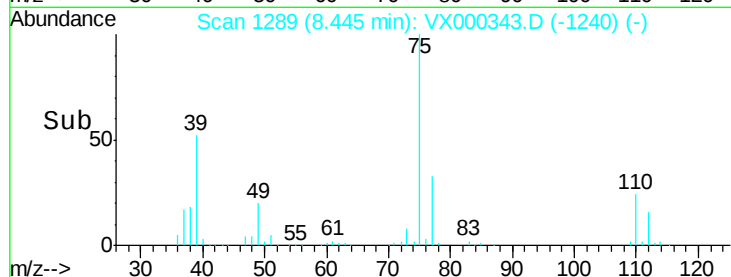
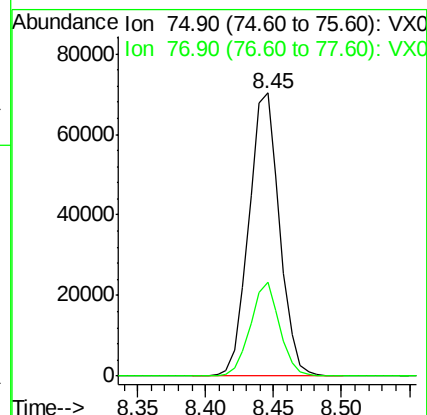
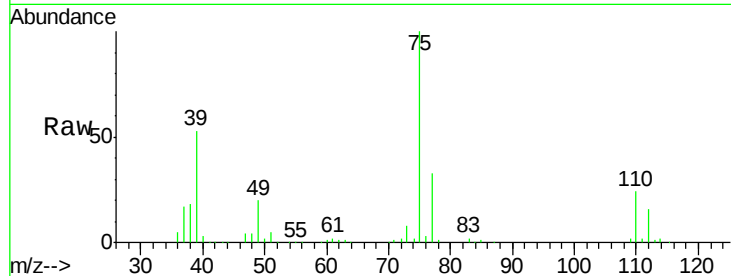




#53
 t-1,3-Dichloropropene
 Concen: 52.19 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

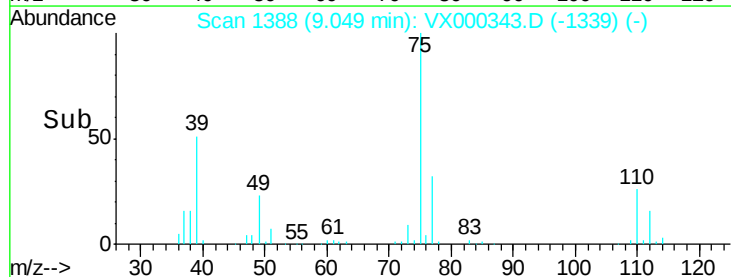
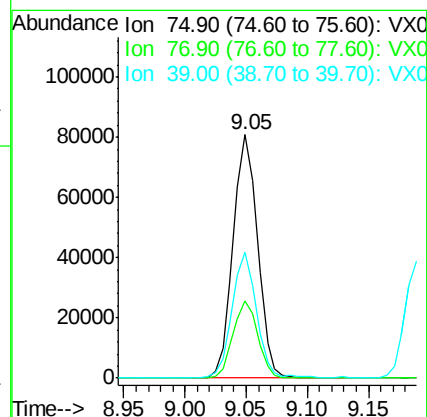
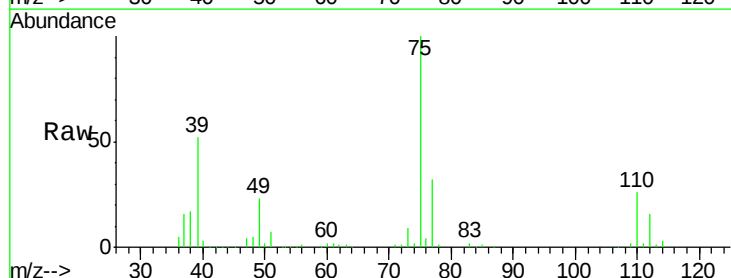
Instrument :
 MSVOA_X
 ClientSampleId :

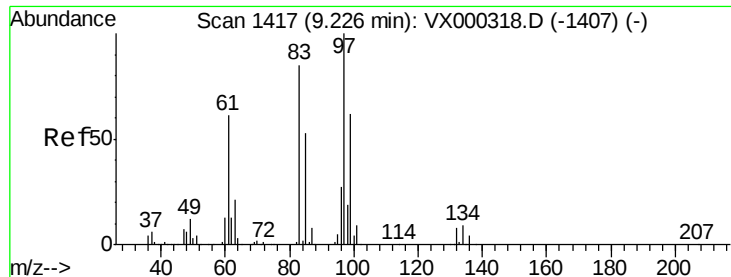
Tot Ion: 75 Resp: 110918
 Ion Ratio Lower Upper
 75 100
 77 33.3 24.0 36.0



#54
 cis-1,3-Dichloropropene
 Concen: 53.88 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

Tgt Ion: 75 Resp: 111981
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.1 39.1
 39 51.7 39.8 59.6



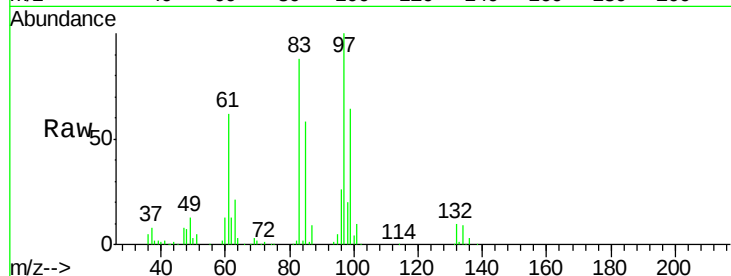


#55
 1,1,2-Trichloroethane
 Concen: 50.47 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

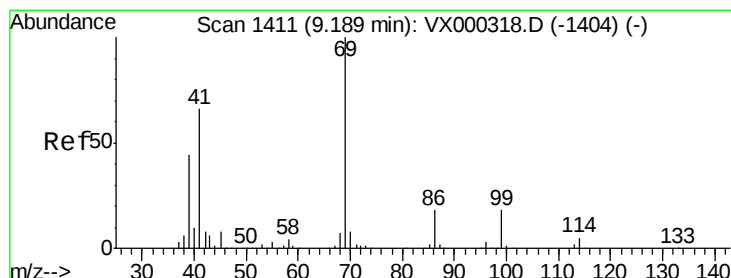
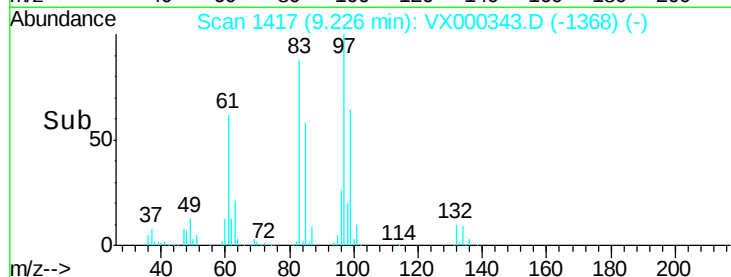
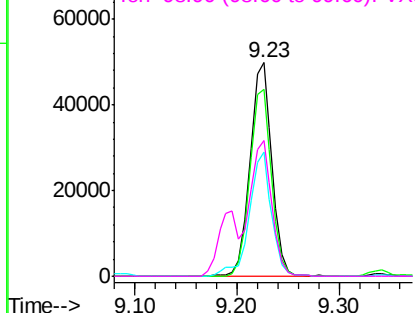
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 97 Resp: 74484

Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.9	101.9
85	58.1	42.8	64.2
99	63.6	49.4	74.2



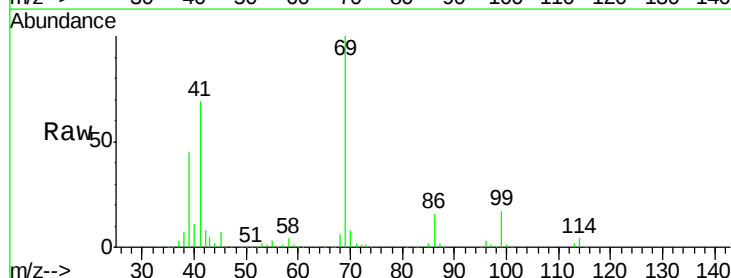
Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0



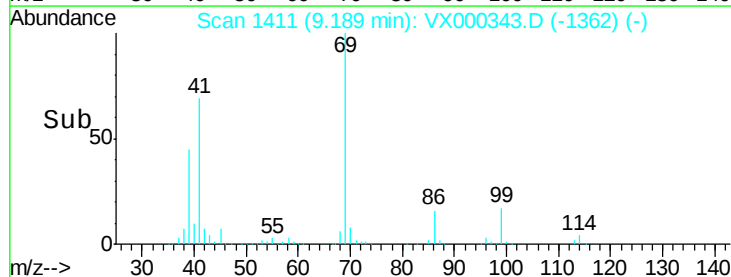
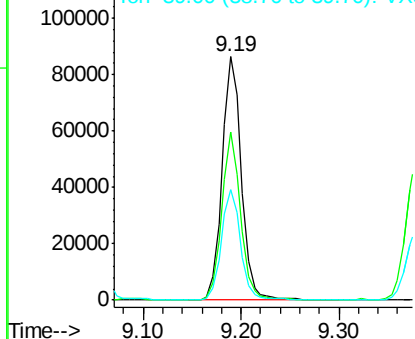
#56
 Ethyl methacrylate
 Concen: 54.08 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

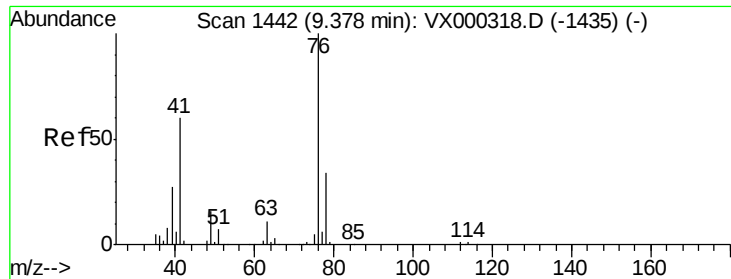
Tgt Ion: 69 Resp: 118187

Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.0	79.6
39	45.1	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: 51.61 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

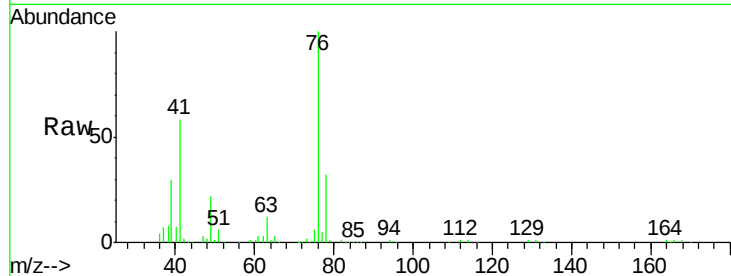
ClientSampleId :

Tot Ion: 76 Resp: 123389

Ion Ratio Lower Upper

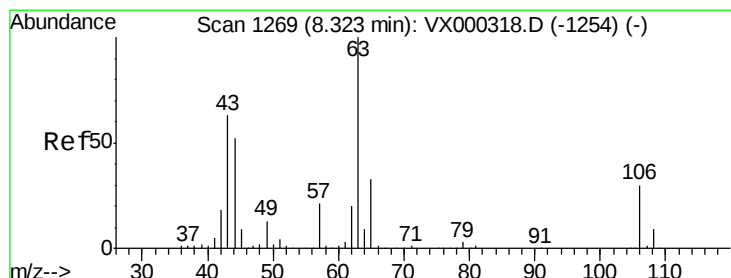
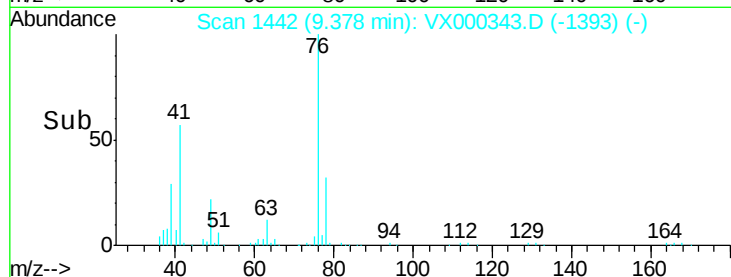
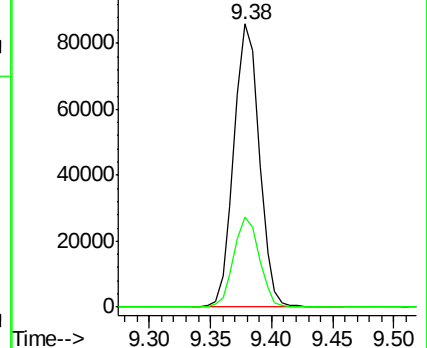
76 100

78 32.0 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 306.04 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX000343.D

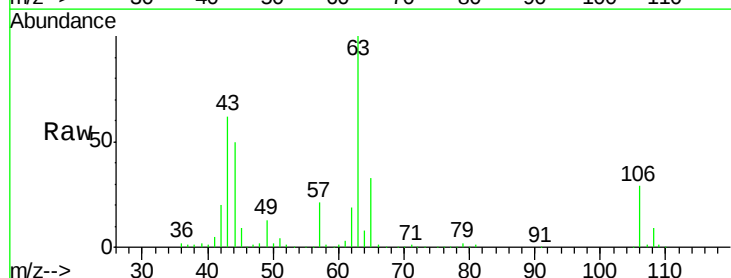
Acq: 16 Mar 2018 12:40

Tgt Ion: 63 Resp: 286496

Ion Ratio Lower Upper

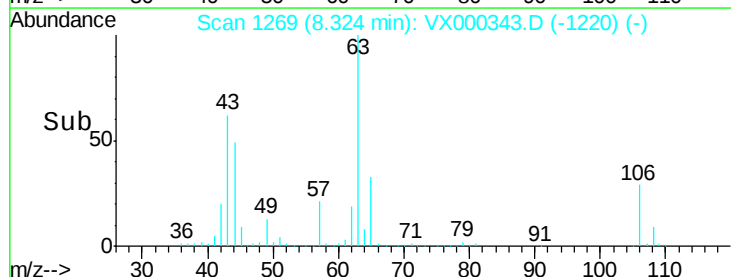
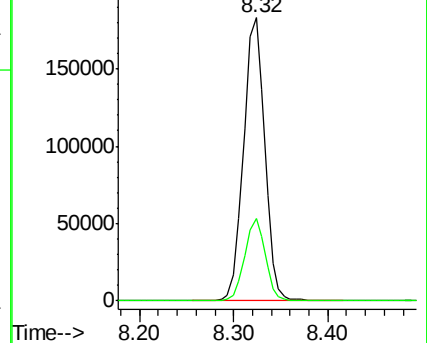
63 100

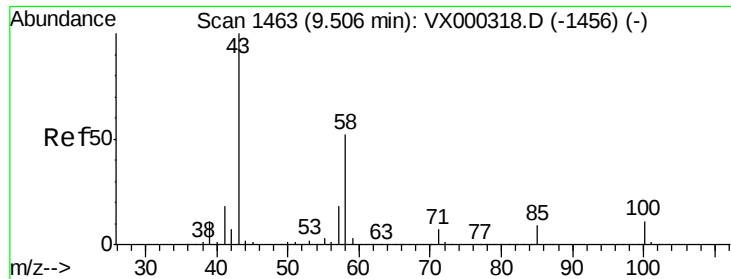
106 28.5 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

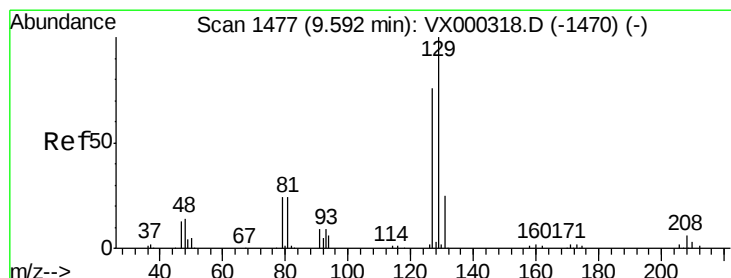
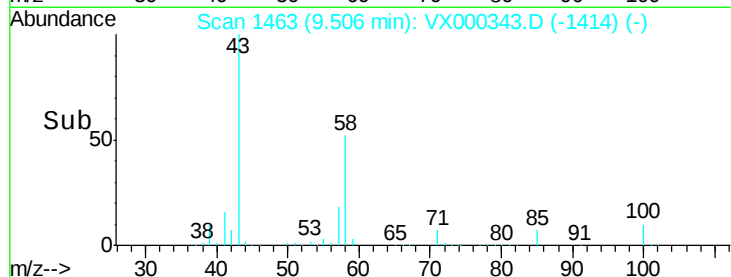
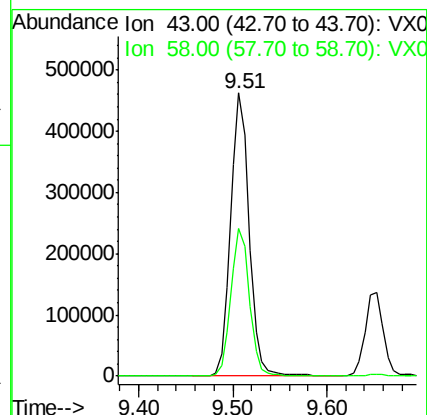
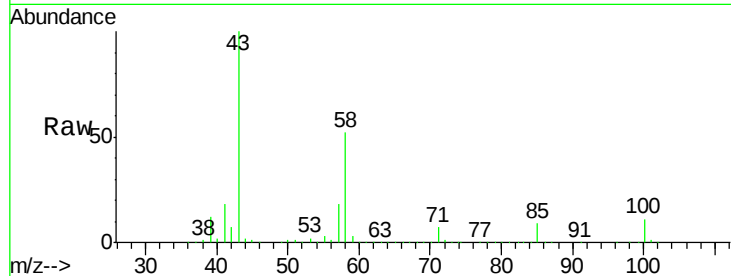




#59
2-Hexanone
Concen: 273.50 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

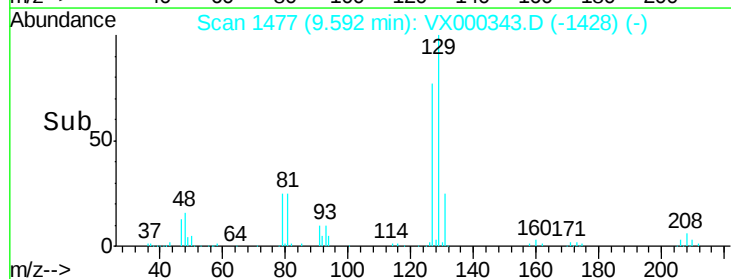
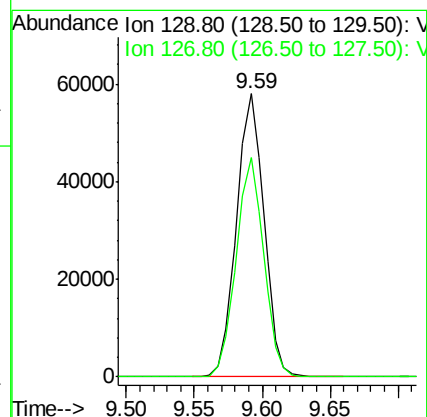
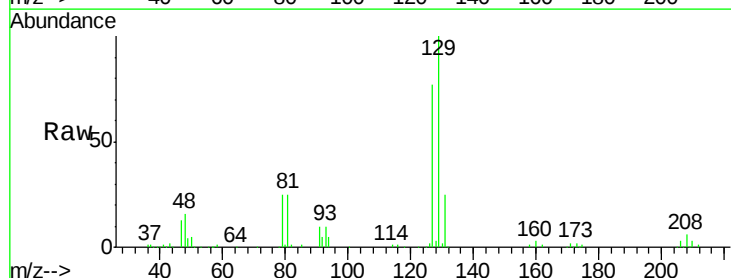
Instrument :
MSVOA_X
ClientSampled :

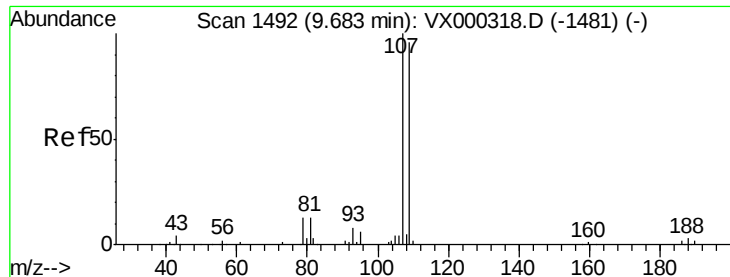
Tot Ion: 43 Resp: 633530
Ion Ratio Lower Upper
43 100
58 52.3 26.6 79.7



#60
Dibromochloromethane
Concen: 52.61 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion: 129 Resp: 82105
Ion Ratio Lower Upper
129 100
127 77.3 37.9 113.6





#61

1,2-Dibromoethane

Concen: 50.20 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

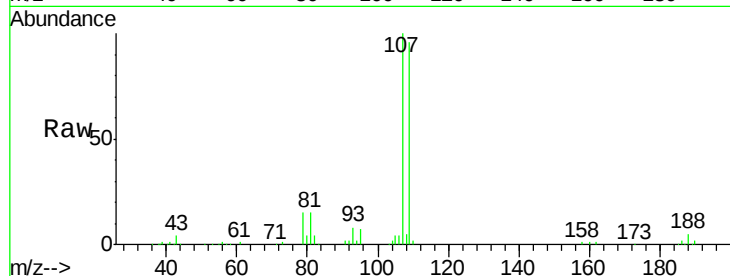
ClientSampleId :

Tot Ion:107 Resp: 82127

Ion Ratio Lower Upper

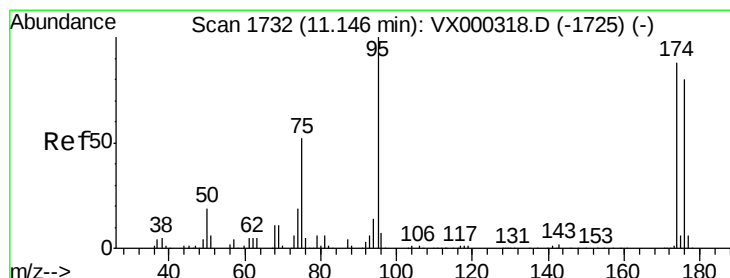
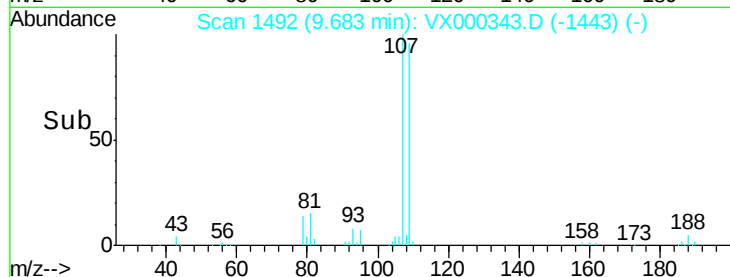
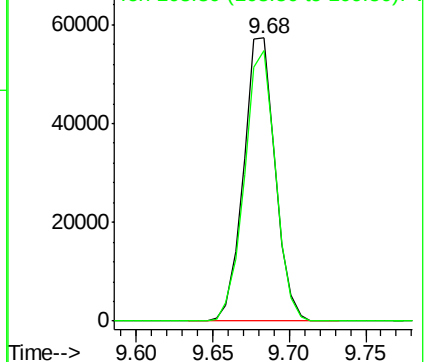
107 100

109 94.2 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.29 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

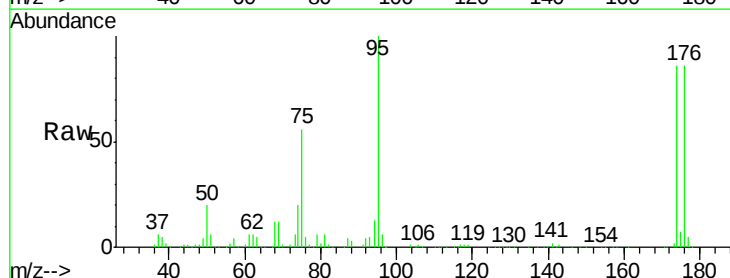
Tgt Ion: 95 Resp: 99244

Ion Ratio Lower Upper

95 100

174 86.1 0.0 173.6

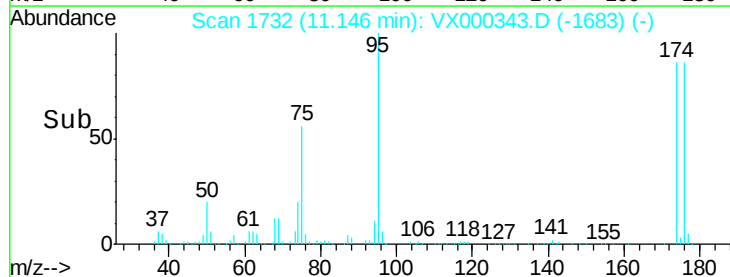
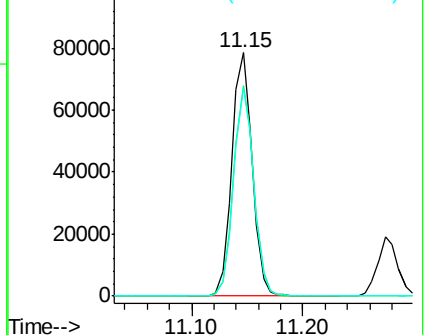
176 85.1 0.0 164.6

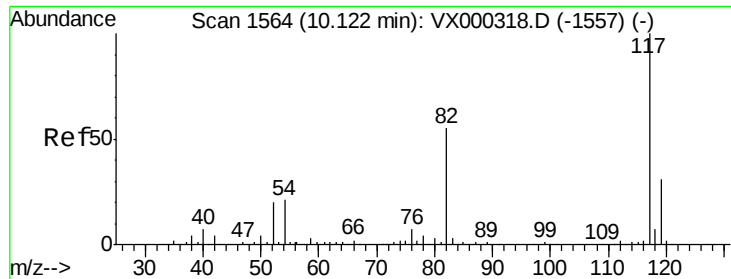


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

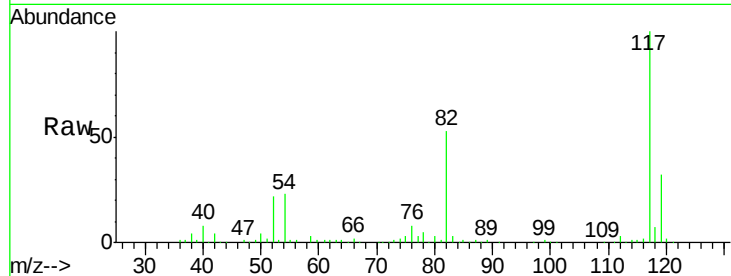




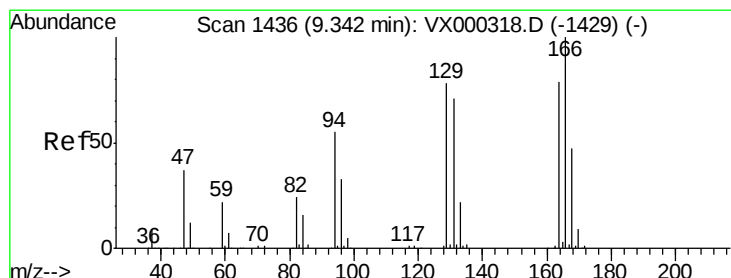
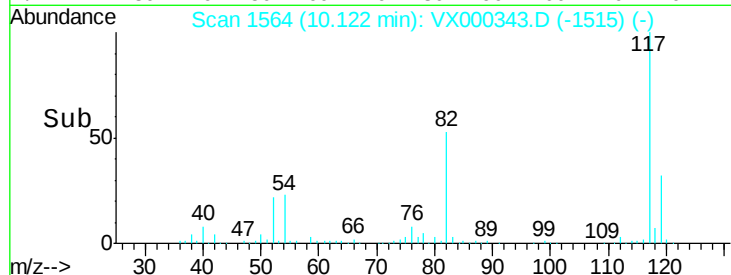
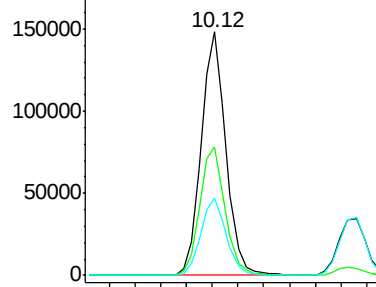
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 198708
Ion Ratio Lower Upper
117 100
82 52.7 43.8 65.8
119 31.9 24.9 37.3

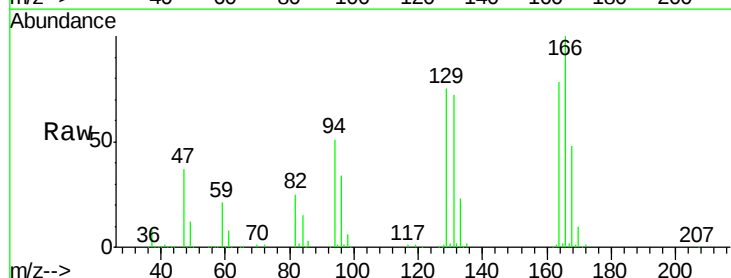


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

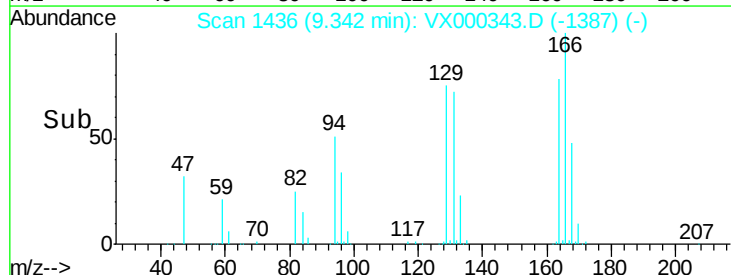
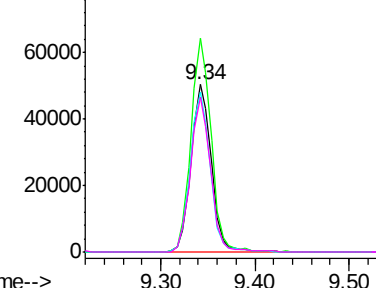


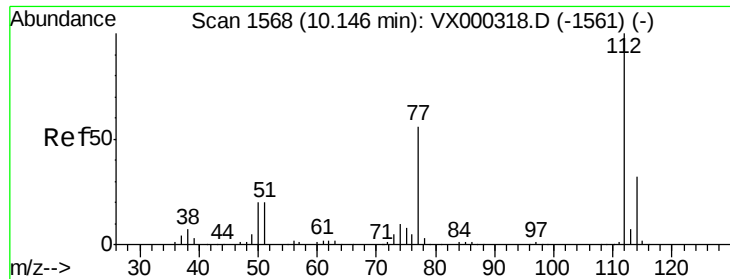
#64
Tetrachloroethene
Concen: 59.30 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion:164 Resp: 75261
Ion Ratio Lower Upper
164 100
166 127.4 101.0 151.6
129 95.7 79.0 118.4
131 92.3 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: 52.08 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

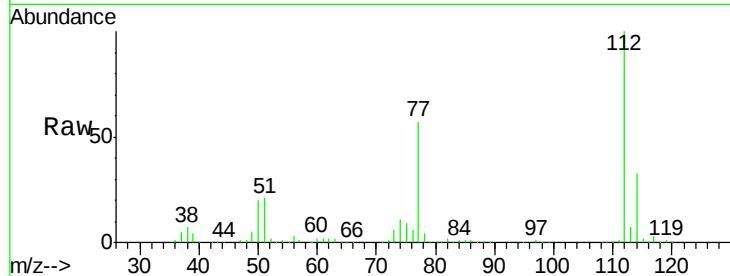
ClientSampleId :

Tot Ion:112 Resp: 210726

Ion Ratio Lower Upper

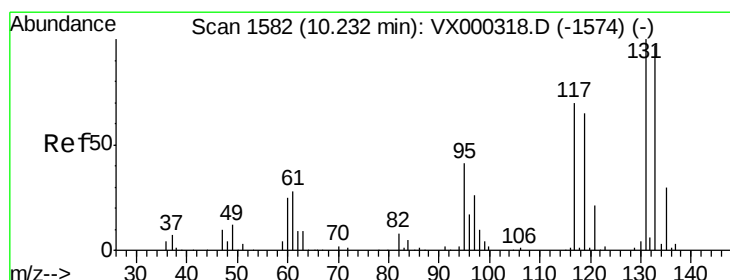
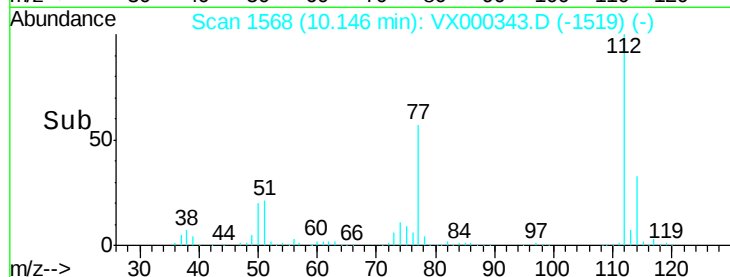
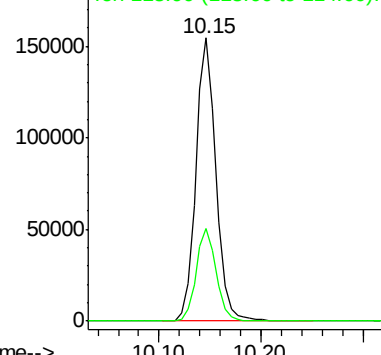
112 100

114 32.6 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.82 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

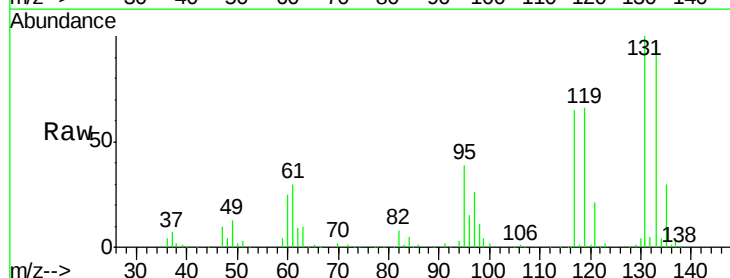
Tgt Ion:131 Resp: 75972

Ion Ratio Lower Upper

131 100

133 93.7 47.1 141.3

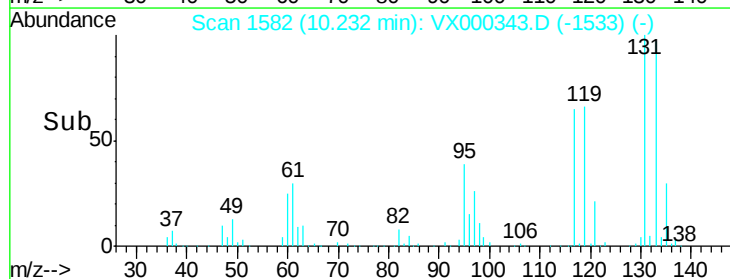
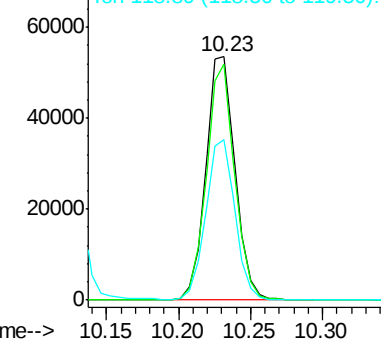
119 65.7 33.1 99.2

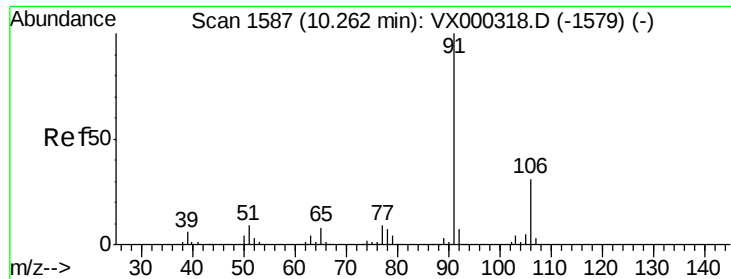


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

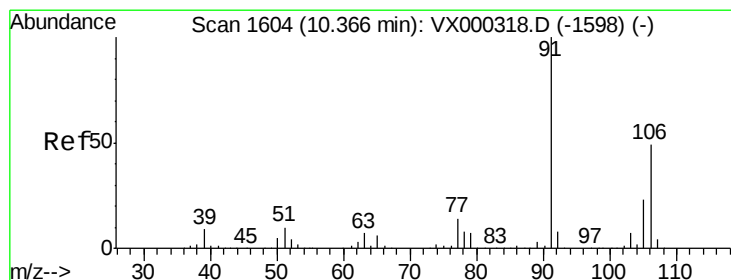
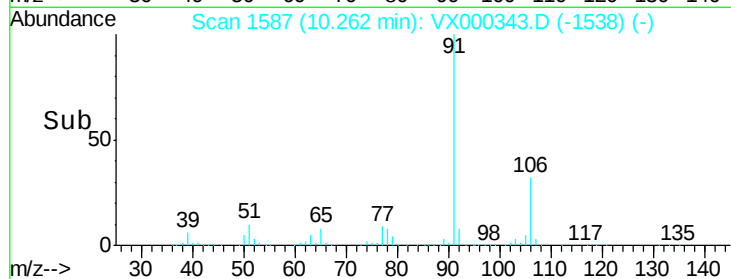
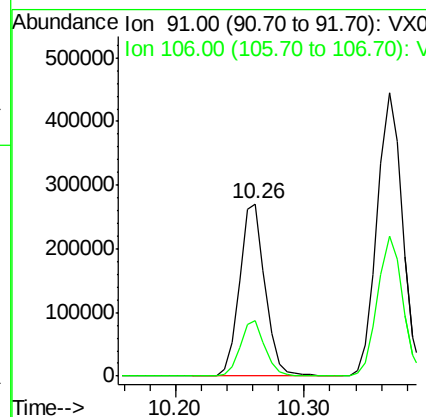
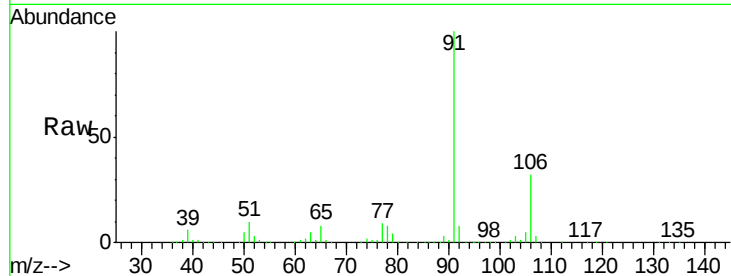




#67
Ethyl Benzene
Concen: 54.08 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

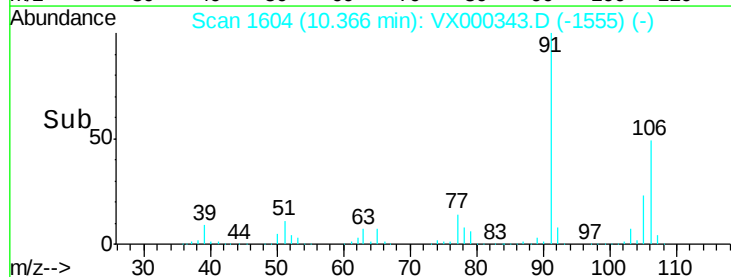
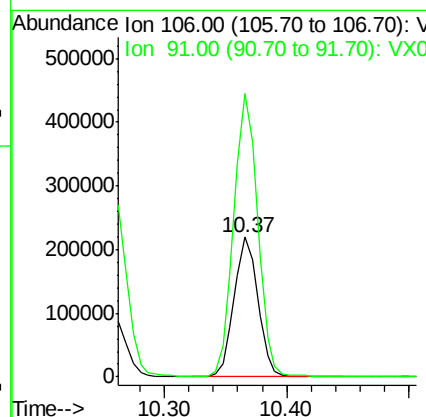
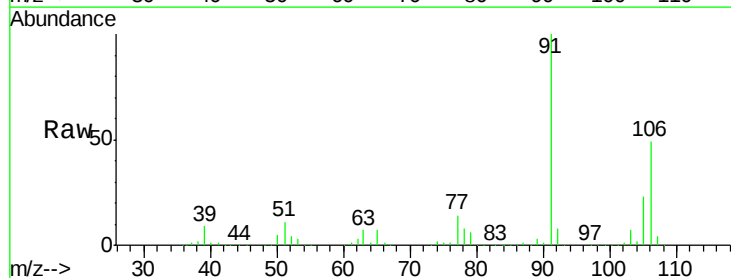
Instrument :
MSVOA_X
ClientSampled :

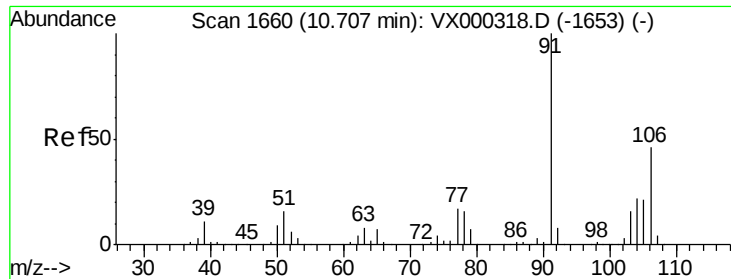
Tot Ion: 91 Resp: 373120
Ion Ratio Lower Upper
91 100
106 32.3 25.0 37.6



#68
m/p-Xylenes
Concen: 110.03 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion: 106 Resp: 295742
Ion Ratio Lower Upper
106 100
91 204.2 163.4 245.2

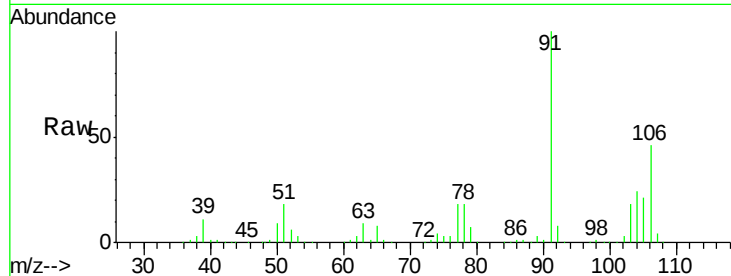




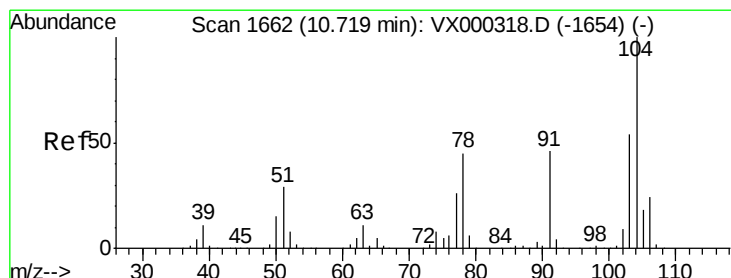
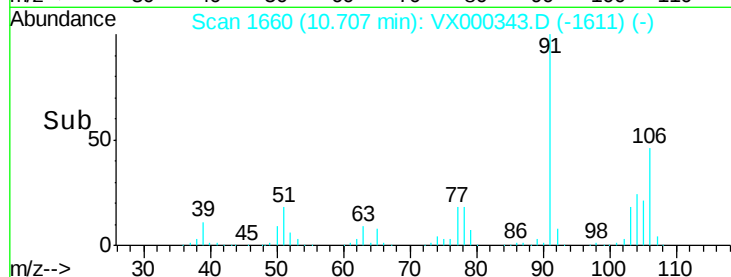
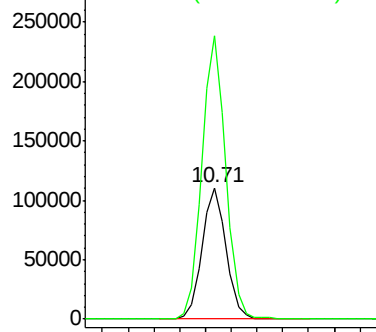
#69
o-Xylene
Concen: 55.34 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 144487
Ion Ratio Lower Upper
106 100
91 213.9 106.5 319.6

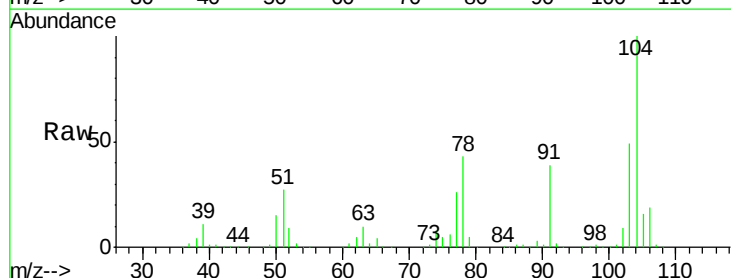


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

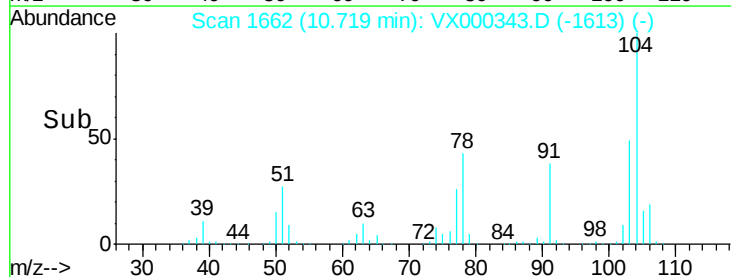
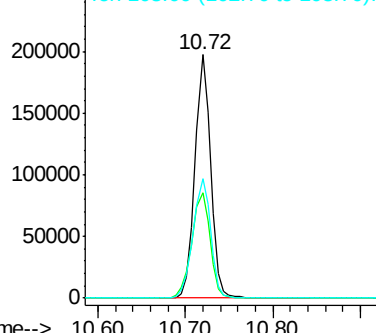


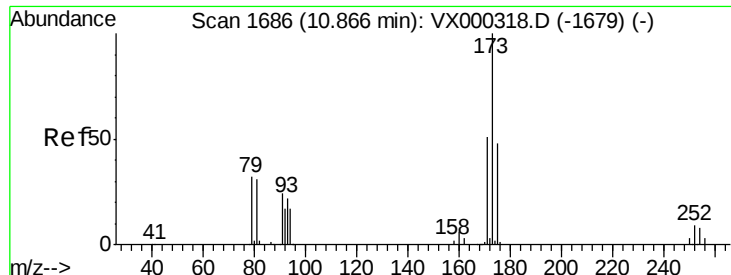
#70
Styrene
Concen: 56.31 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion:104 Resp: 244000
Ion Ratio Lower Upper
104 100
78 50.6 40.5 60.7
103 55.3 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: 48.55 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

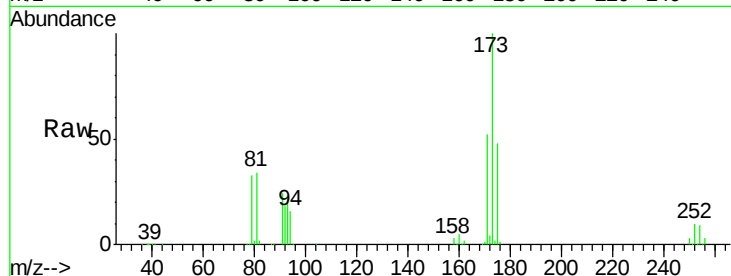
Tot Ion:173 Resp: 66788

Ion Ratio Lower Upper

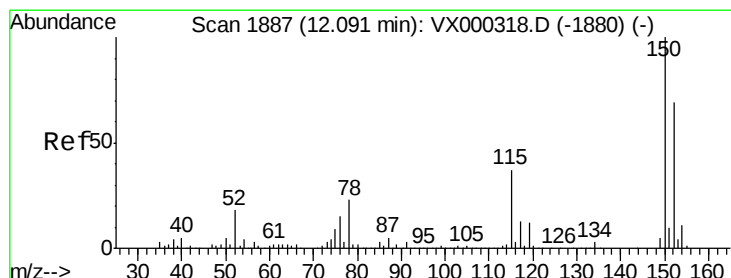
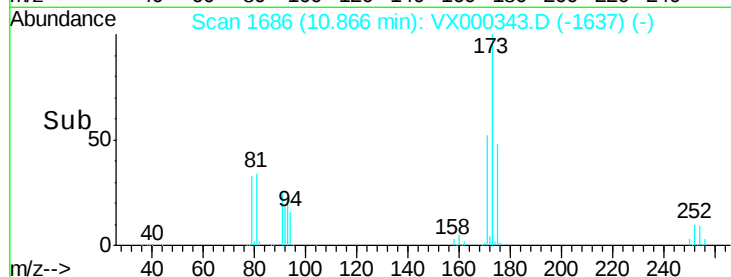
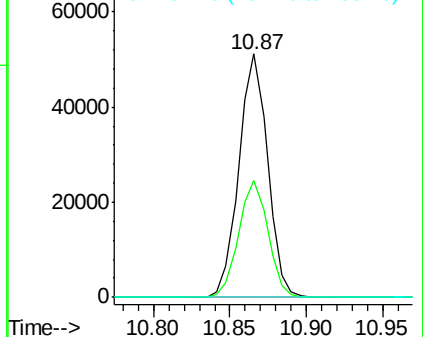
173 100

175 48.8 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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

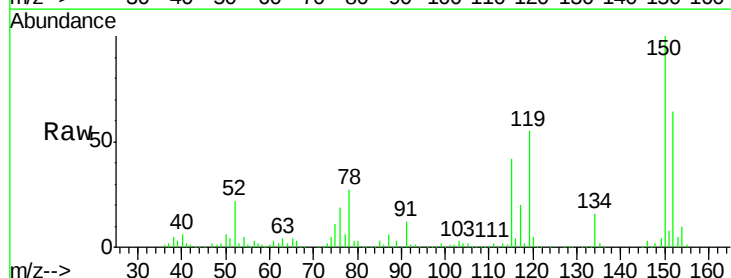
Tgt Ion:152 Resp: 124736

Ion Ratio Lower Upper

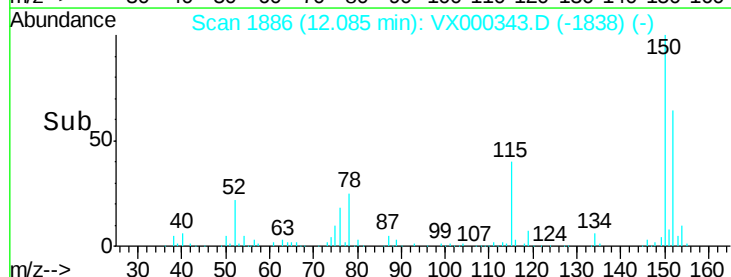
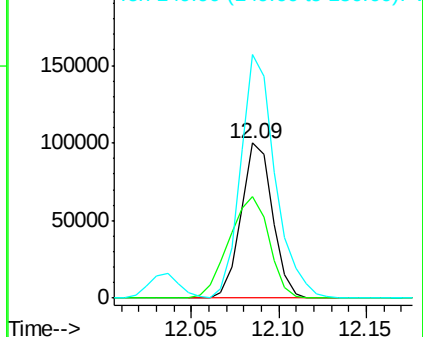
152 100

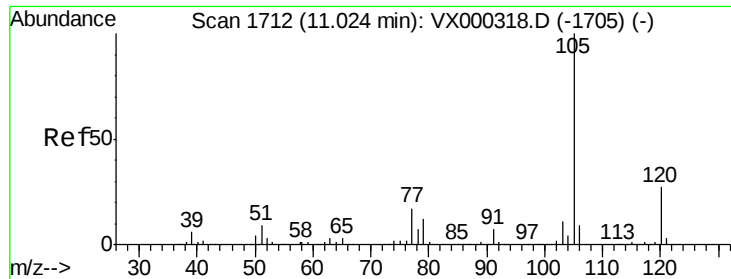
115 83.7 39.8 119.3

150 172.5 0.0 344.4



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





#73

Isopropylbenzene

Concen: 53.59 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

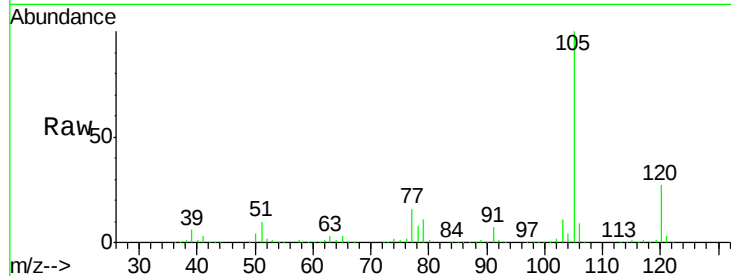
ClientSampleId :

Tot Ion:105 Resp: 402572

Ion Ratio Lower Upper

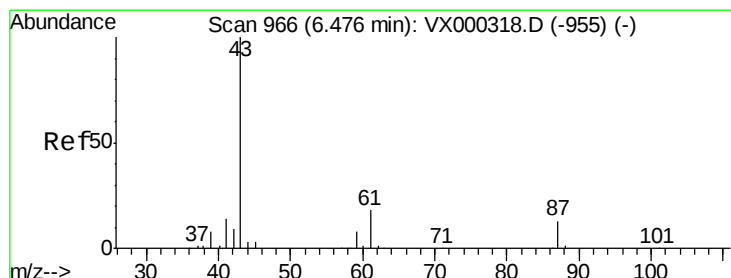
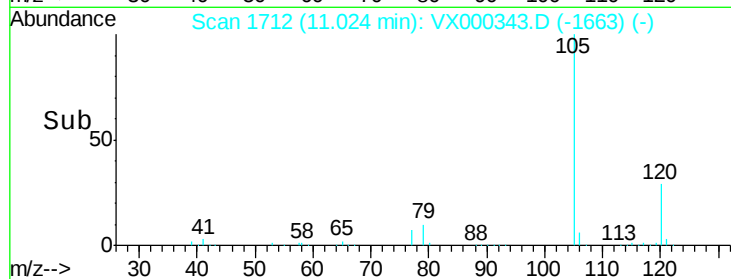
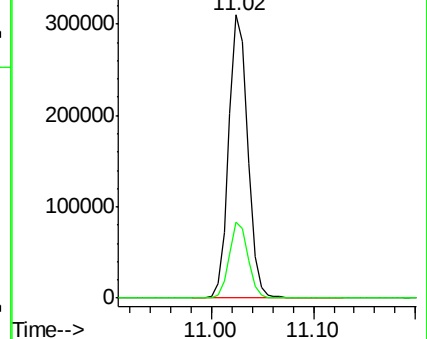
105 100

120 26.6 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: 53.02 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Tgt Ion: 43 Resp: 190684

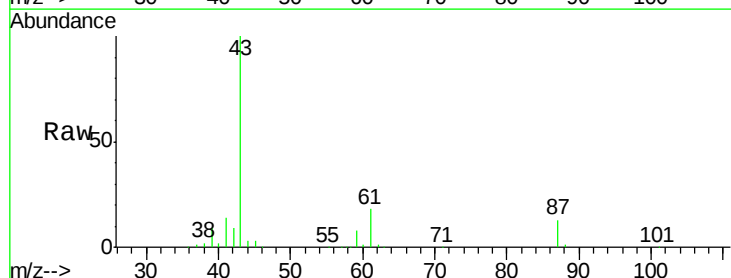
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.2 14.4 21.6

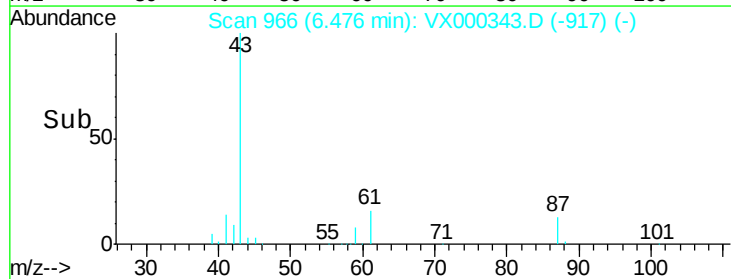
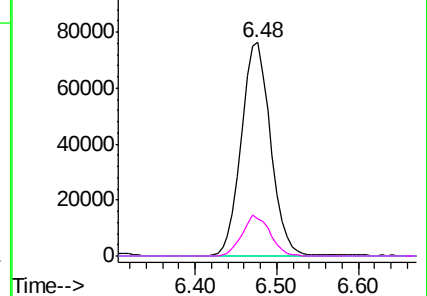


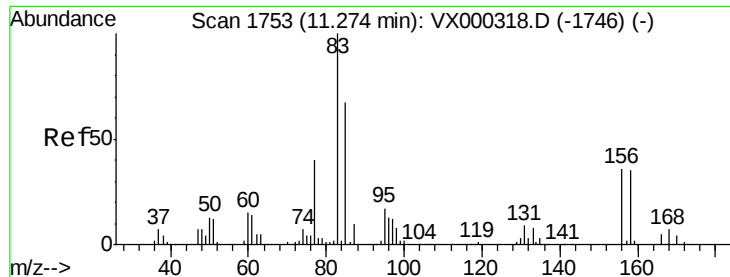
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 52.78 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampled :

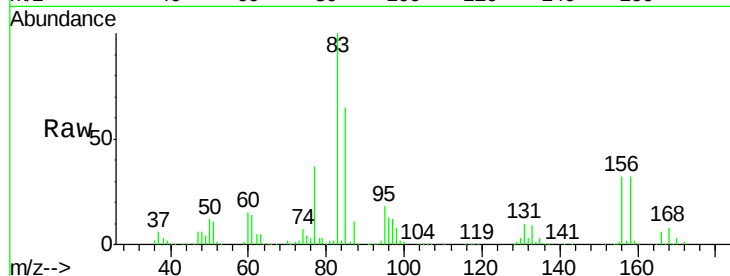
Tot Ion: 83 Resp: 141153

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

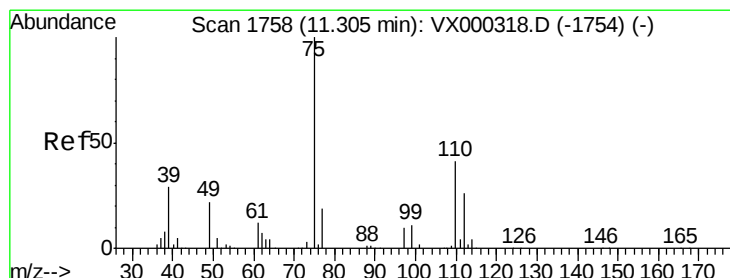
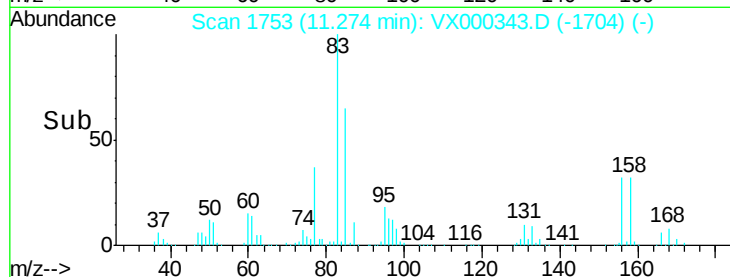
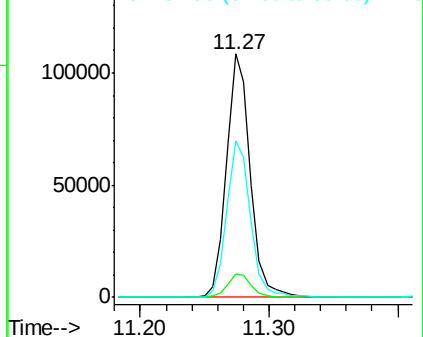
85 64.5 32.5 97.5



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: 74.69 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000343.D

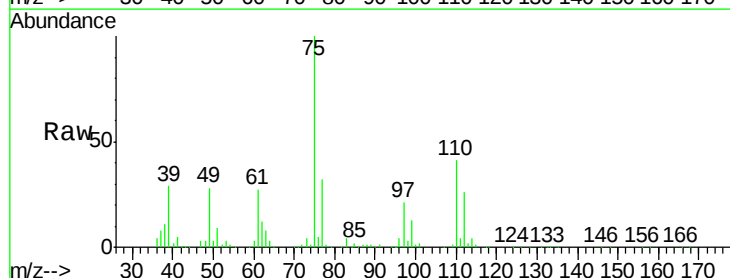
Acq: 16 Mar 2018 12:40

Tgt Ion: 75 Resp: 165990

Ion Ratio Lower Upper

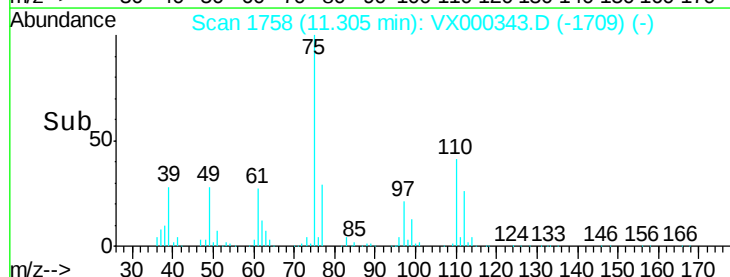
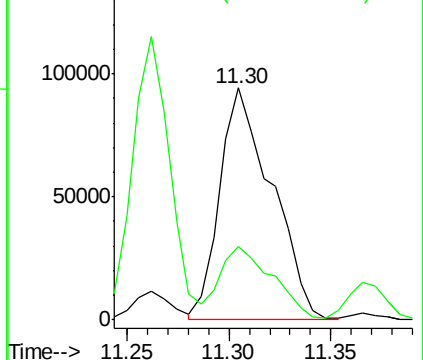
75 100

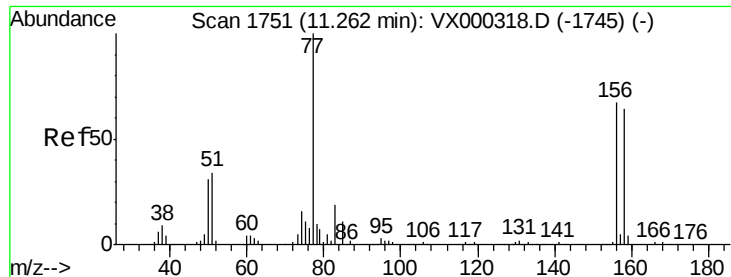
77 32.1 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.40 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

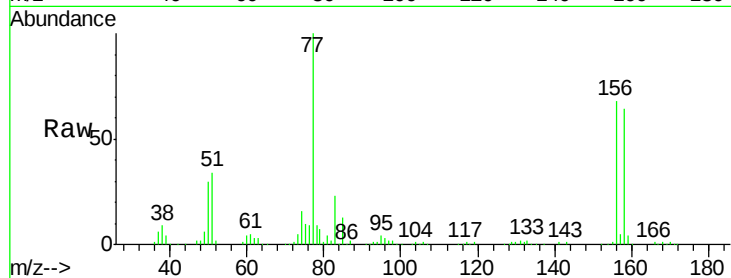
Tot Ion:156 Resp: 99394

Ion Ratio Lower Upper

156 100

77 147.9 73.4 220.2

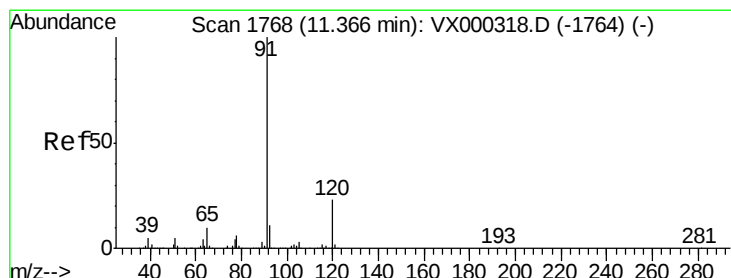
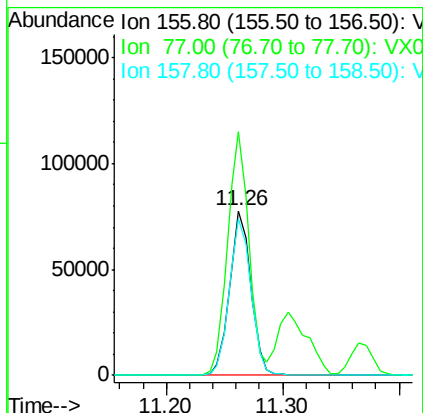
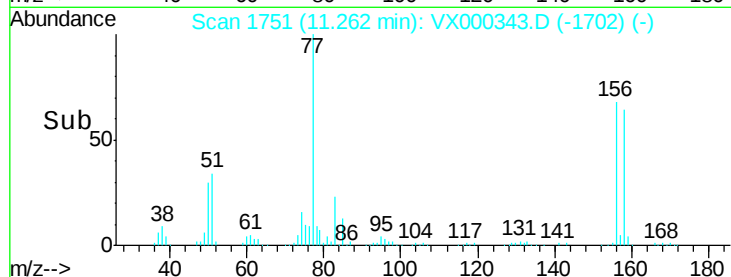
158 96.7 48.5 145.6



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: 52.95 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000343.D

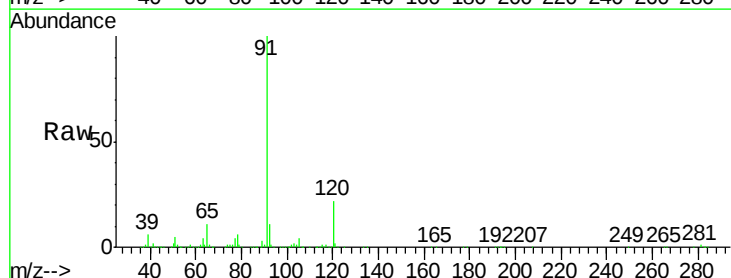
Acq: 16 Mar 2018 12:40

Tgt Ion: 91 Resp: 479653

Ion Ratio Lower Upper

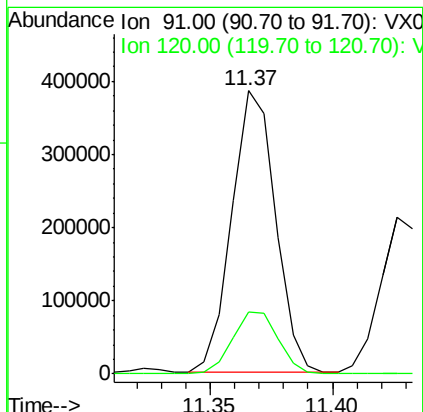
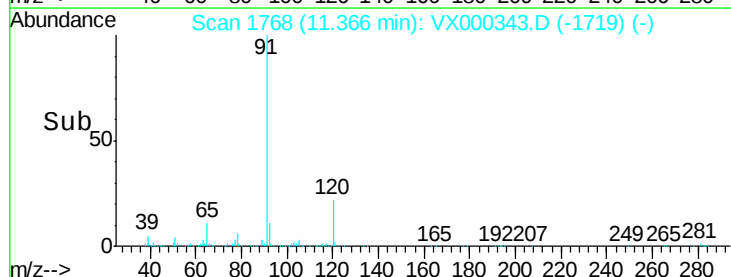
91 100

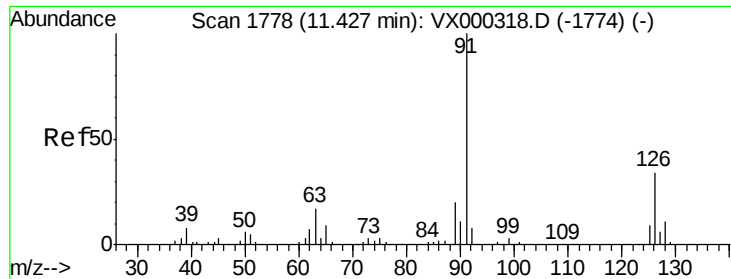
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

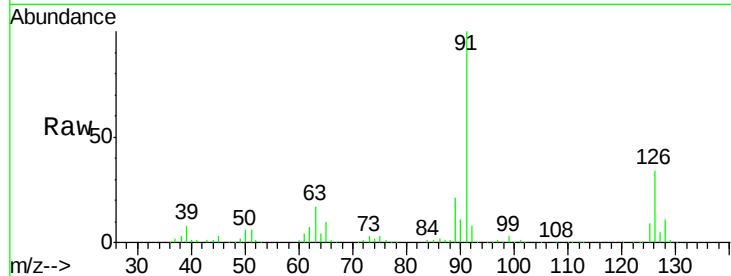




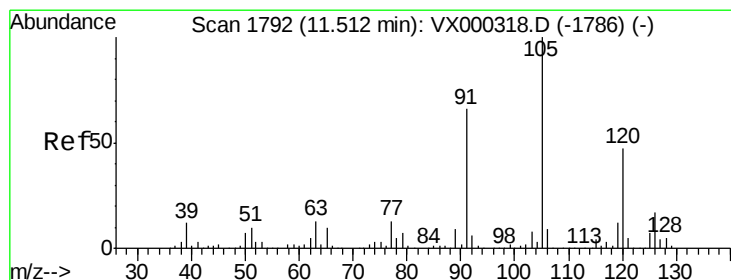
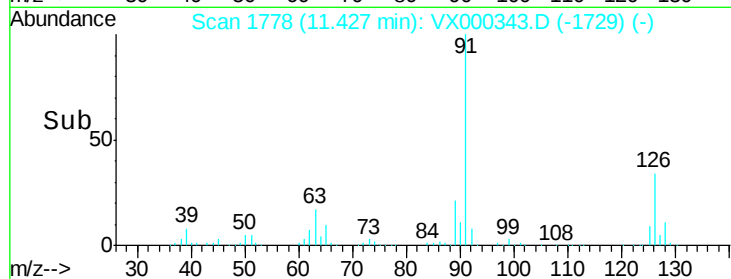
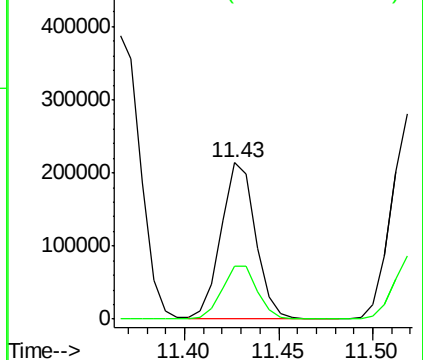
#79
 2-Chlorotoluene
 Concen: 52.49 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 91 Resp: 269846
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.7 53.1

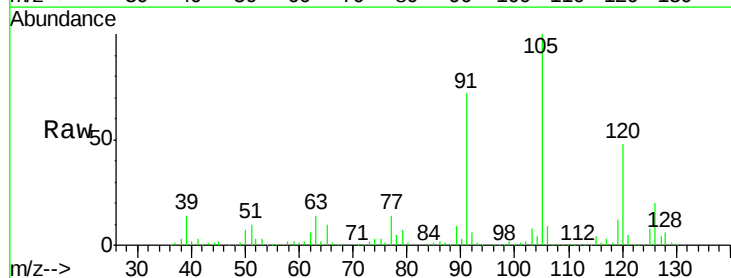


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

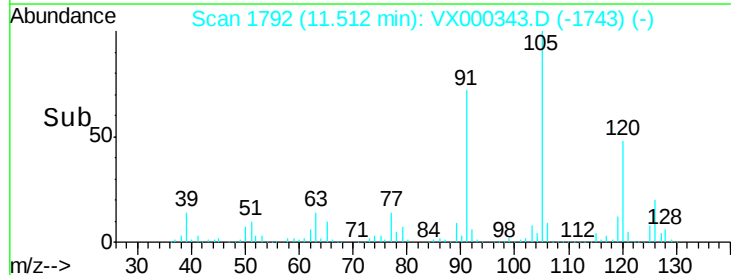
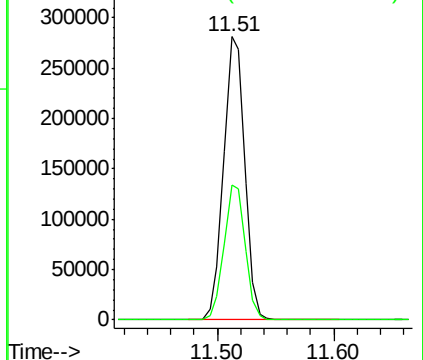


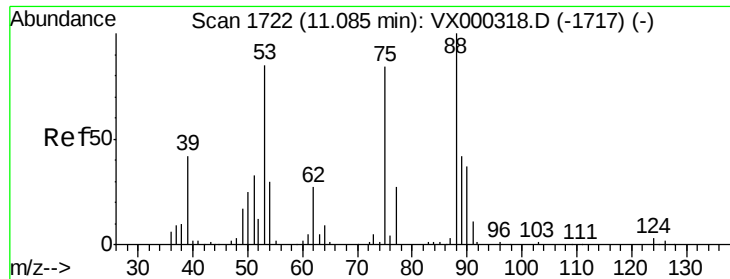
#80
 1,3,5-Trimethylbenzene
 Concen: 55.13 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

Tgt Ion: 105 Resp: 352828
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.53 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampled :

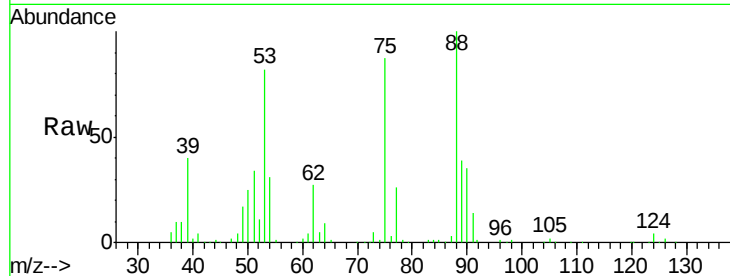
Tot Ion: 75 Resp: 40927

Ion Ratio Lower Upper

75 100

53 107.0 80.7 121.1

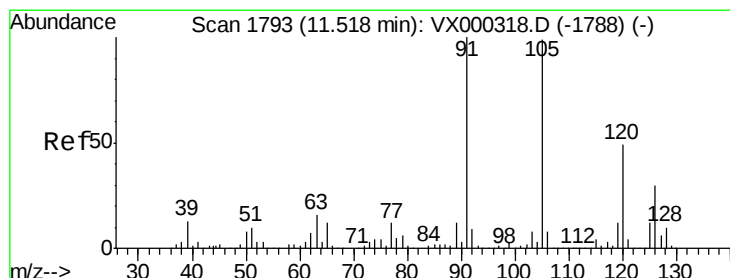
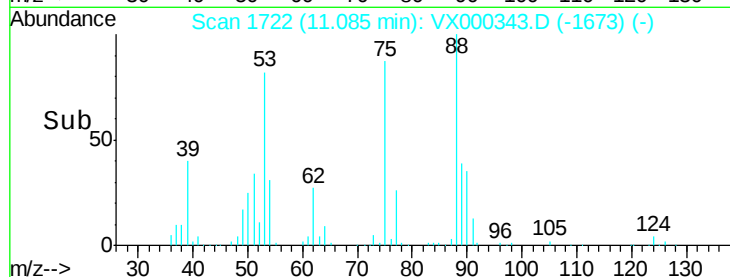
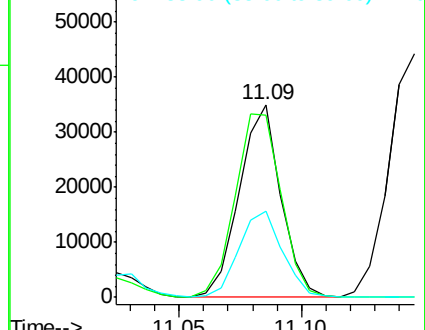
89 47.6 39.4 59.0



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: 53.55 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX000343.D

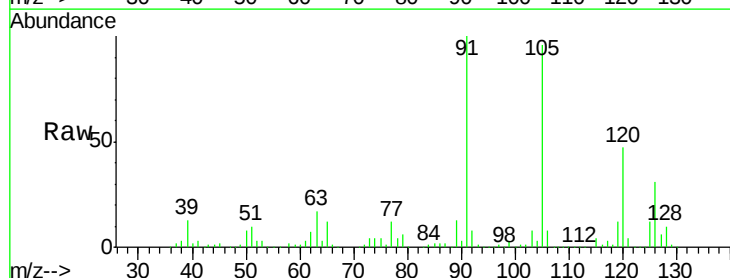
Acq: 16 Mar 2018 12:40

Tgt Ion: 91 Resp: 338338

Ion Ratio Lower Upper

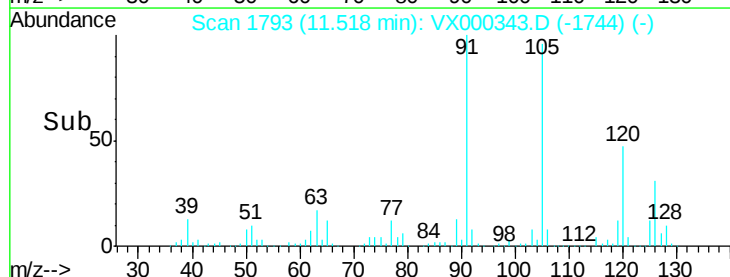
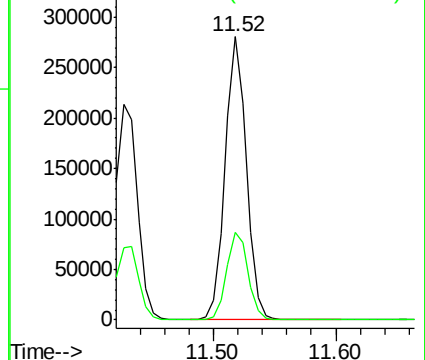
91 100

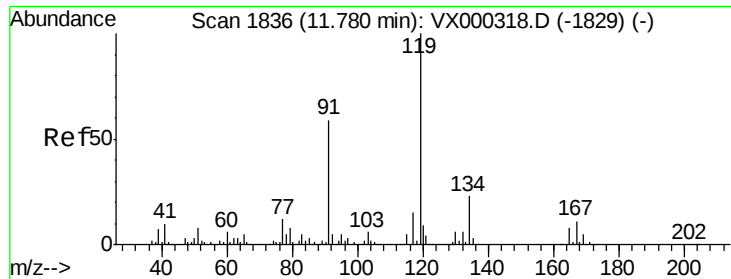
126 31.3 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

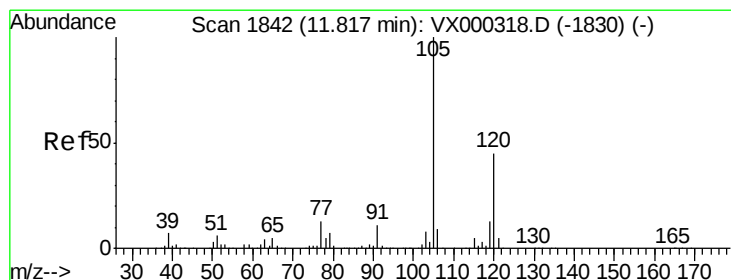
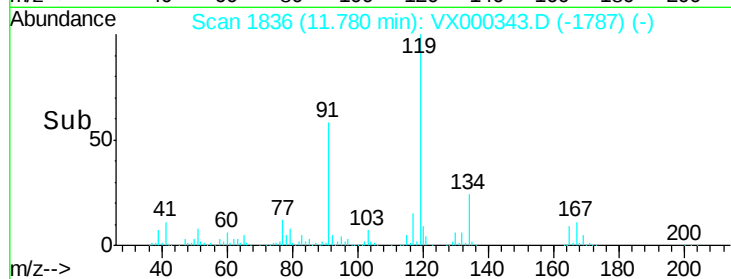
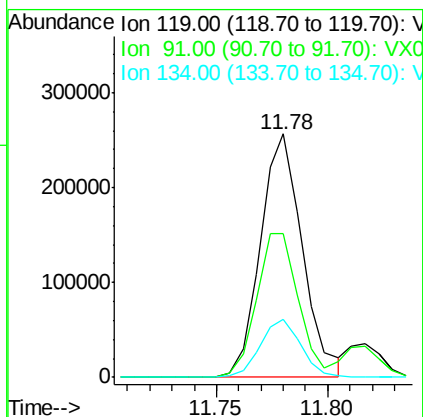
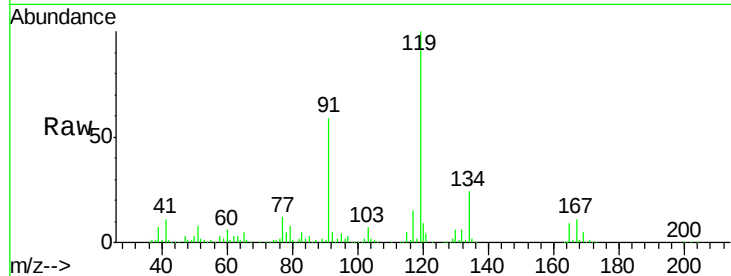




#83
 tert-Butylbenzene
 Concen: 53.78 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

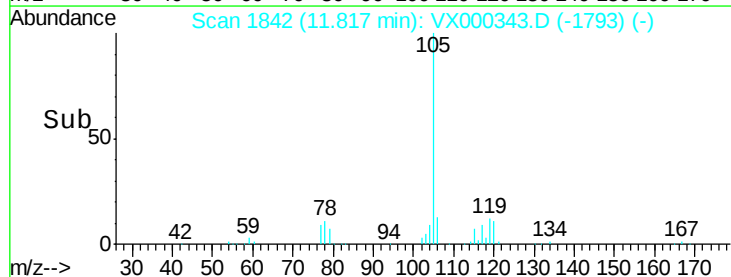
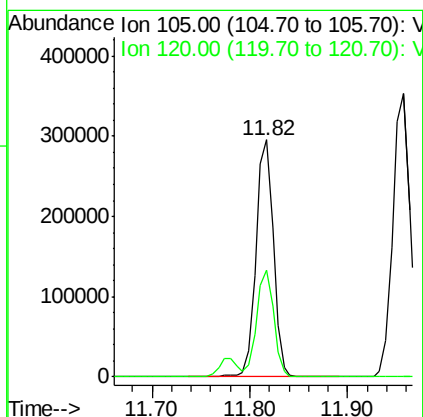
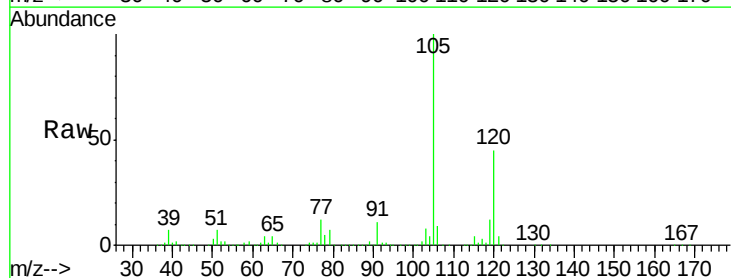
Instrument :
 MSVOA_X
 ClientSampleId :

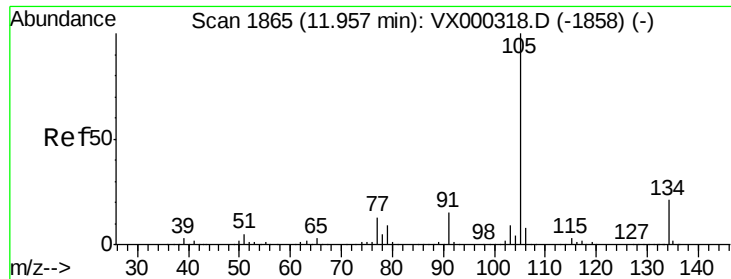
Tot Ion:119 Resp: 335816
 Ion Ratio Lower Upper
 119 100
 91 59.0 28.8 86.4
 134 23.0 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 55.54 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

Tgt Ion:105 Resp: 365433
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.4 67.3





#85

sec-Butylbenzene

Concen: 55.36 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

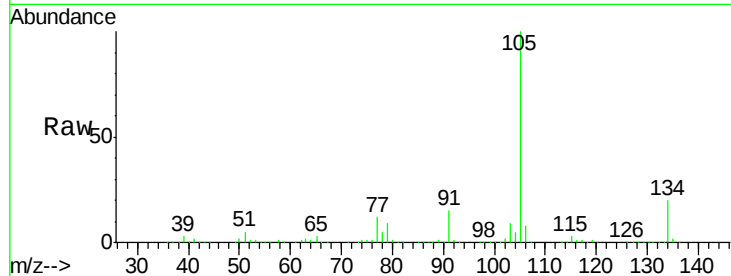
ClientSampleId :

Tot Ion:105 Resp: 432735

Ion Ratio Lower Upper

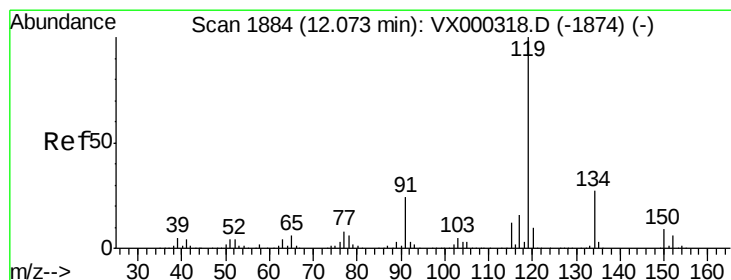
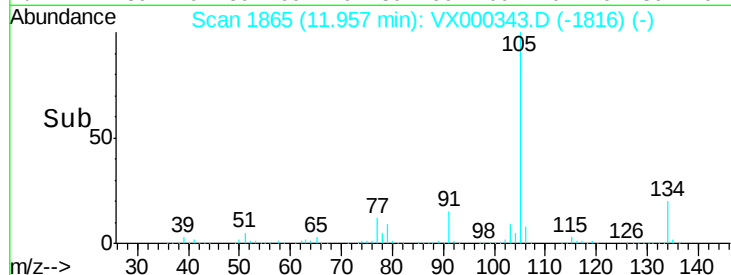
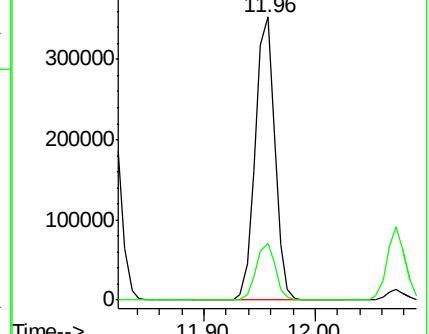
105 100

134 19.9 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: 56.27 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

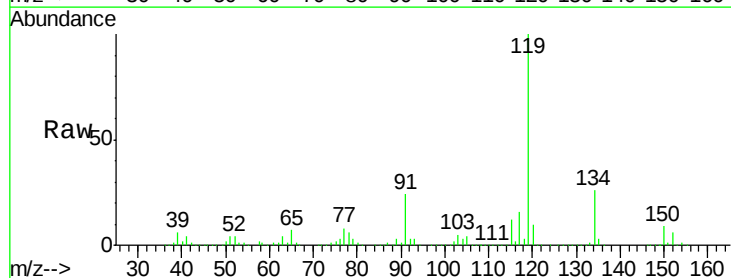
Tgt Ion:119 Resp: 391403

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

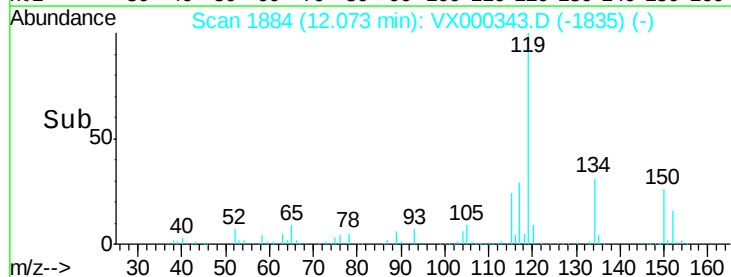
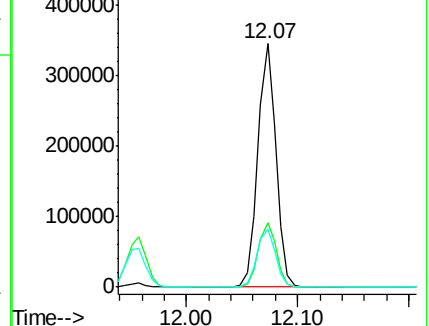
91 24.4 12.0 36.1

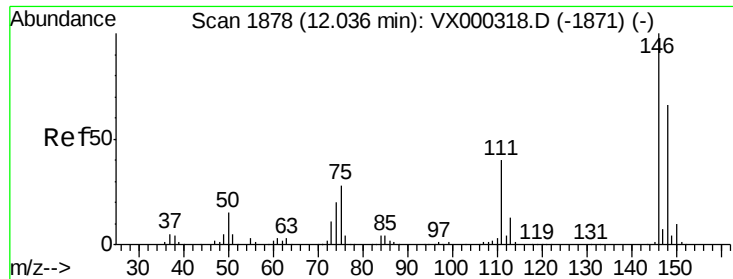


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.84 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampled :

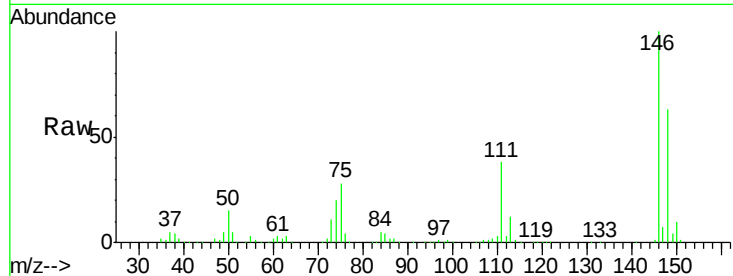
Tot Ion:146 Resp: 196739

Ion Ratio Lower Upper

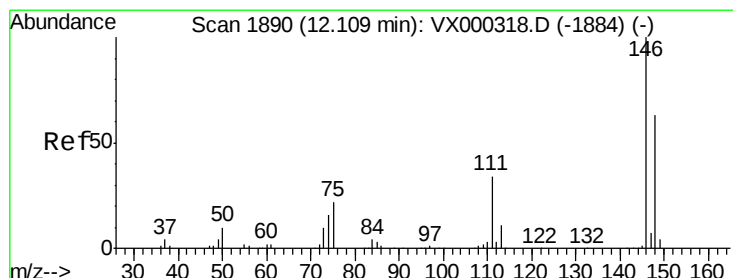
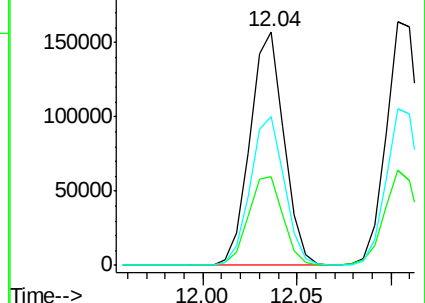
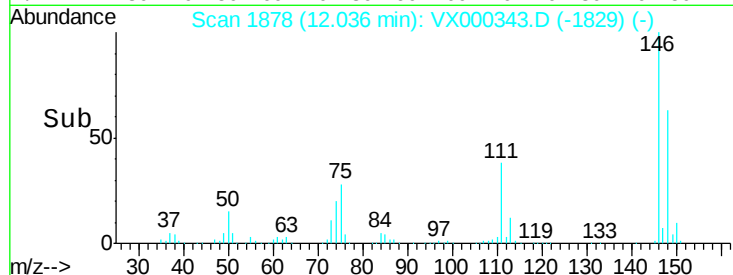
146 100

111 38.9 19.5 58.5

148 63.7 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: 51.34 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

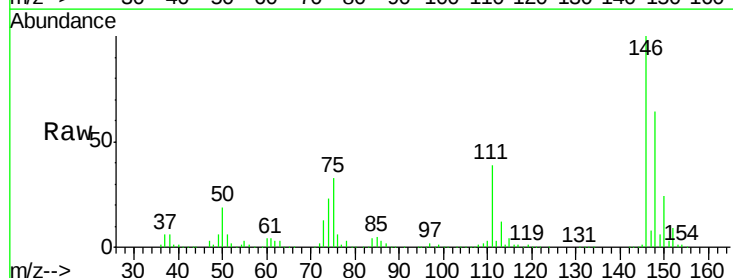
Tgt Ion:146 Resp: 206456

Ion Ratio Lower Upper

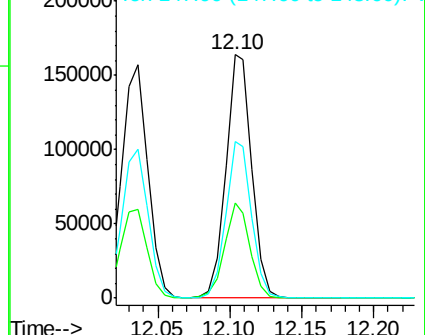
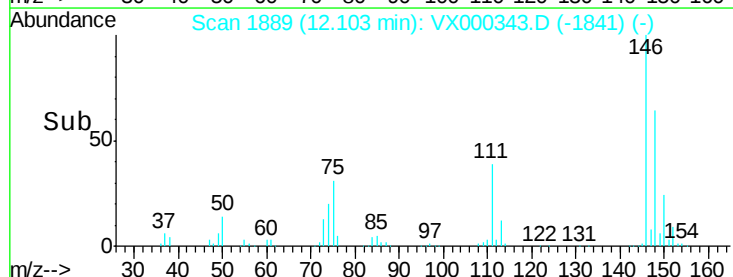
146 100

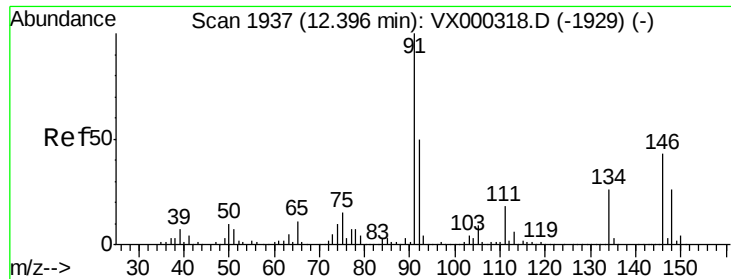
111 38.5 18.9 56.9

148 64.1 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: 54.26 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

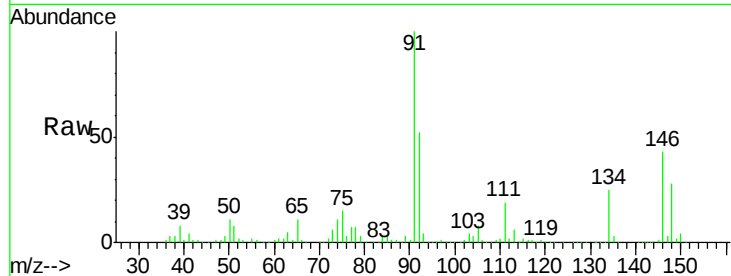
Tot Ion: 91 Resp: 366965

Ion Ratio Lower Upper

91 100

92 51.0 25.9 77.8

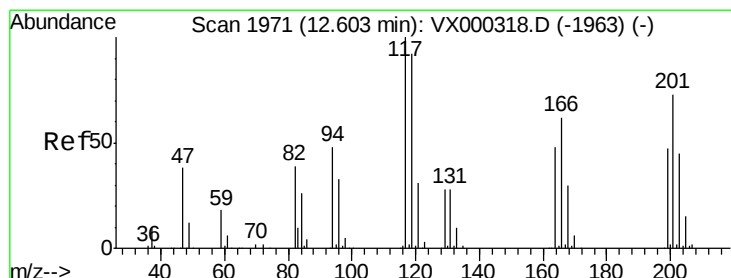
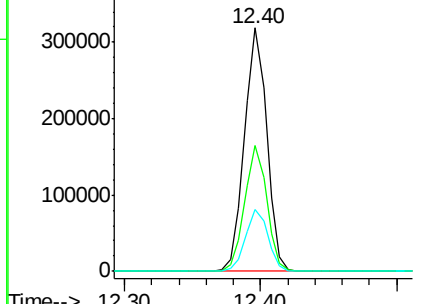
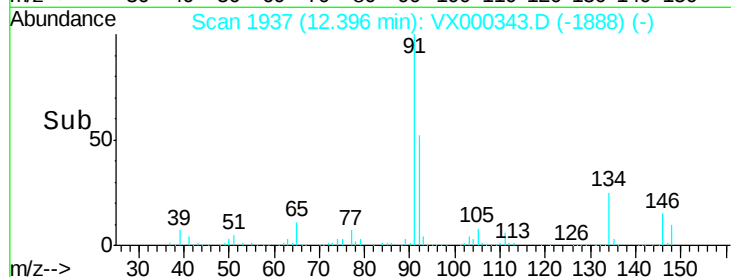
134 25.4 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VX000343.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX000343.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX000343.D (-1929) (-)



#90

Hexachloroethane

Concen: 55.06 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX000343.D

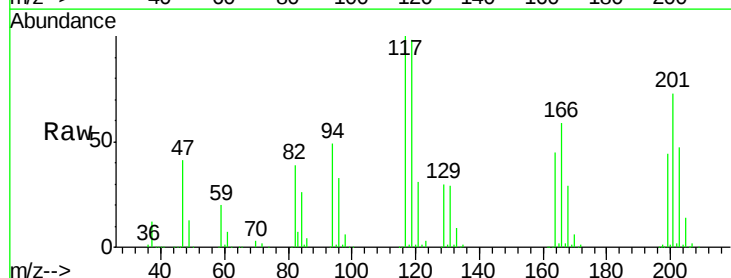
Acq: 16 Mar 2018 12:40

Tgt Ion: 117 Resp: 61432

Ion Ratio Lower Upper

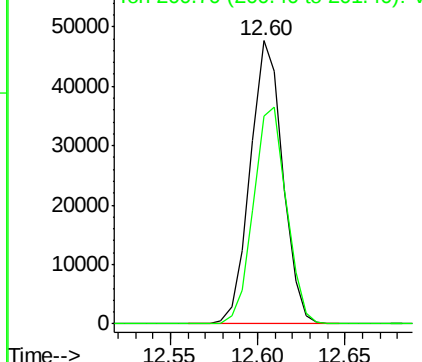
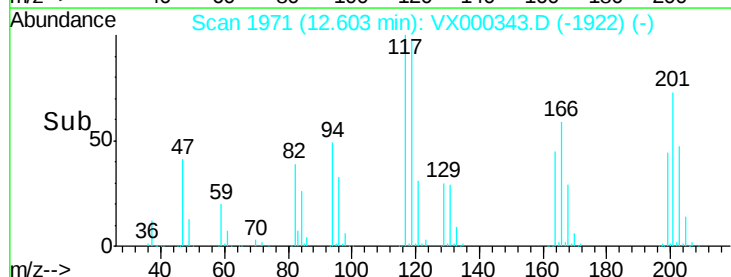
117 100

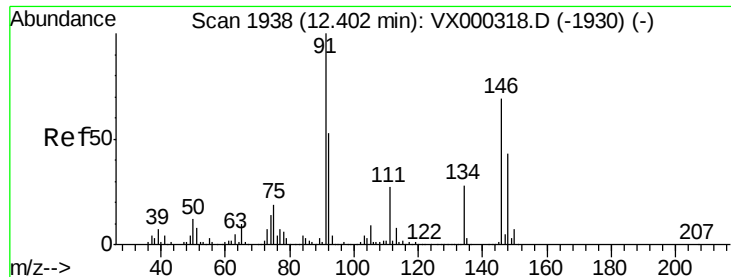
201 78.0 37.9 113.6



Abundance Ion 116.80 (116.50 to 117.50): VX000343.D (-1963) (-)

Ion 200.70 (200.40 to 201.40): VX000343.D (-1963) (-)





#91

1,2-Dichlorobenzene

Concen: 52.69 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

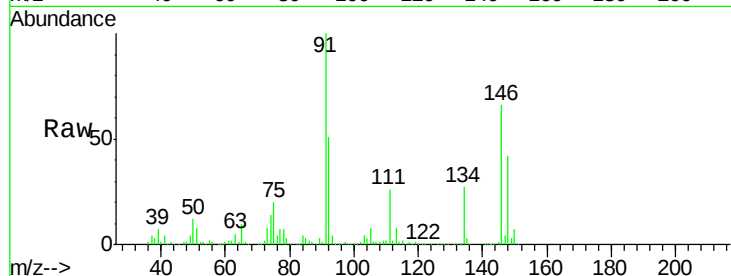
Tot Ion:146 Resp: 197495

Ion Ratio Lower Upper

146 100

111 40.7 20.1 60.2

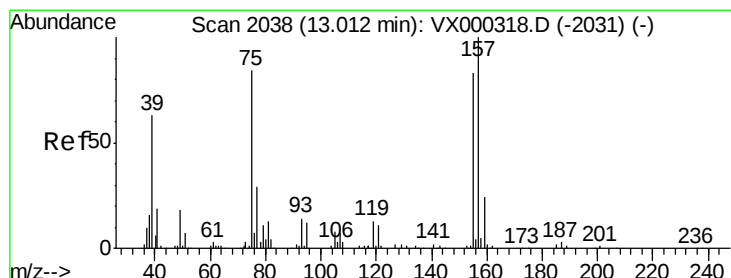
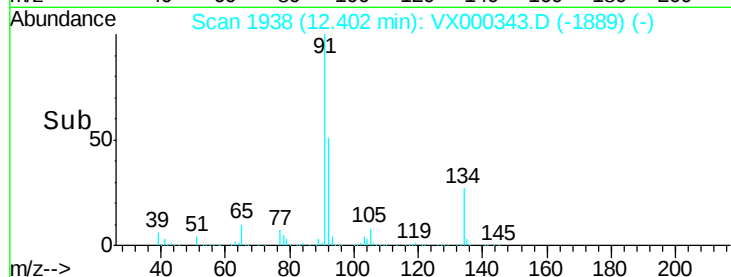
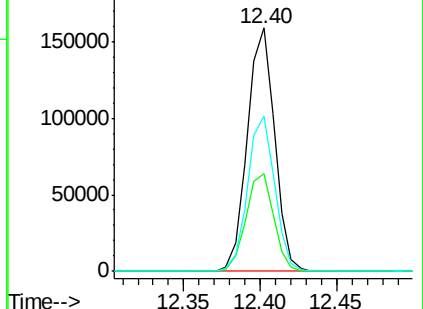
148 63.2 31.2 93.6



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: 56.08 ug/l

RT: 13.01 min Scan# 2038

Delta R.T. 0.00 min

Lab File: VX000343.D

Acq: 16 Mar 2018 12:40

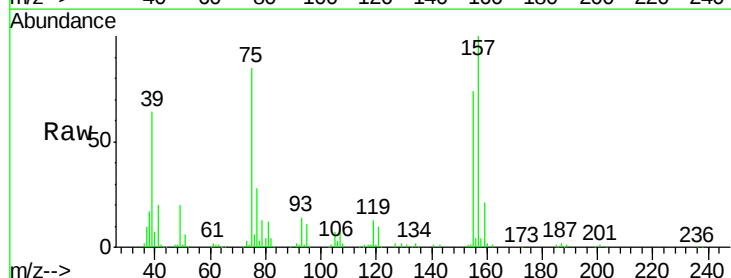
Tgt Ion: 75 Resp: 40601

Ion Ratio Lower Upper

75 100

155 83.7 45.0 134.8

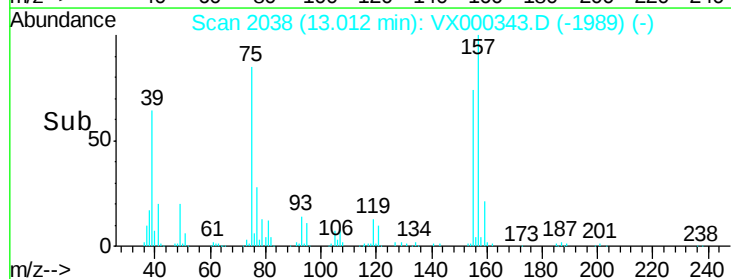
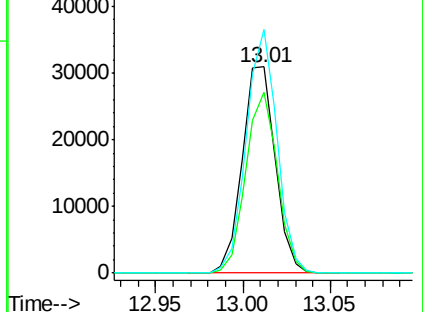
157 110.0 58.1 174.2

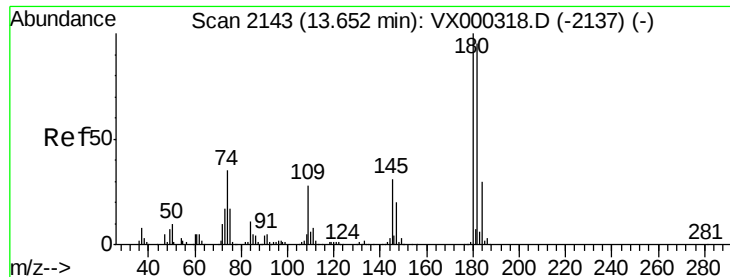


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

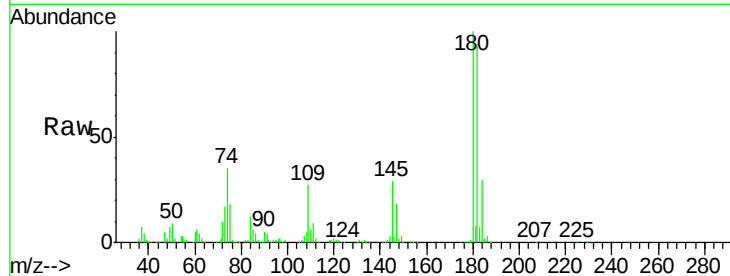




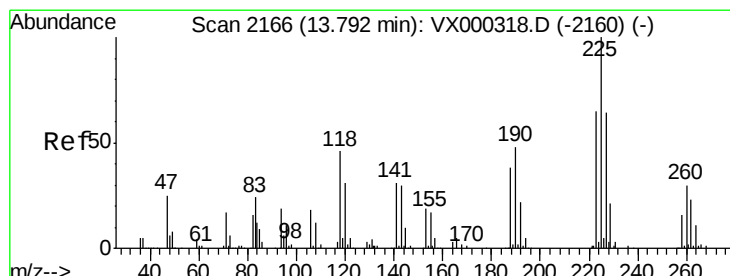
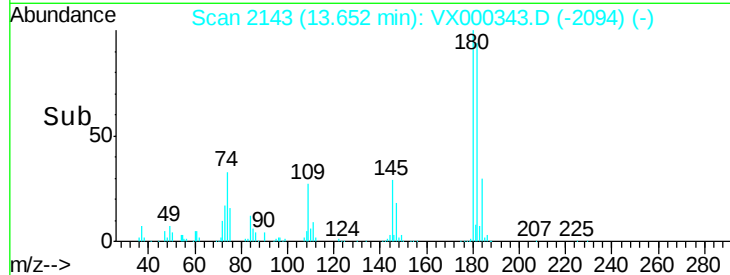
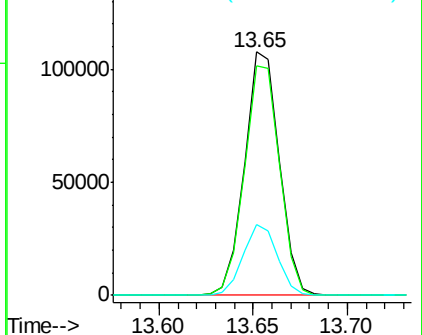
#93
 1,2,4-Trichlorobenzene
 Concen: 50.90 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 137435
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.6 142.9
 145 28.9 15.1 45.3

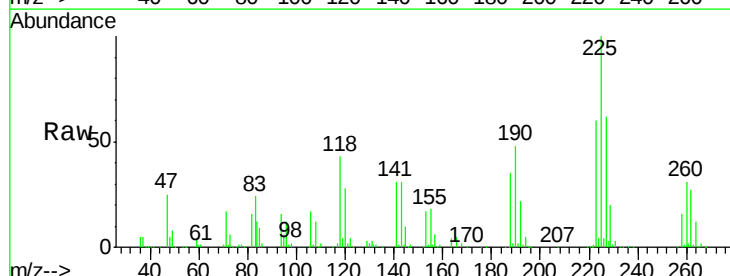


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

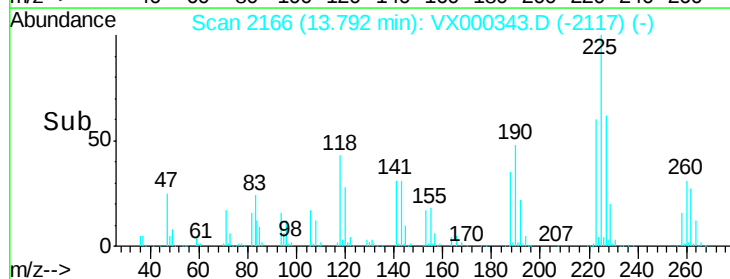
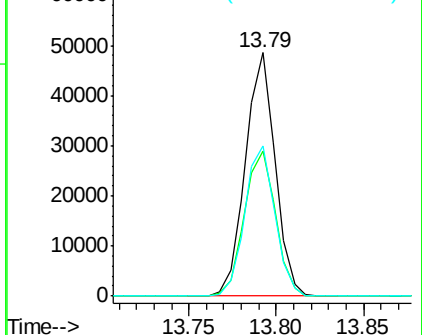


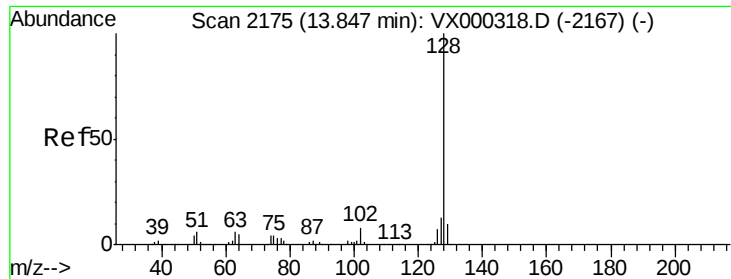
#94
 Hexachlorobutadiene
 Concen: 53.99 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000343.D
 Acq: 16 Mar 2018 12:40

Tgt Ion:225 Resp: 57508
 Ion Ratio Lower Upper
 225 100
 223 62.4 32.0 96.0
 227 62.5 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

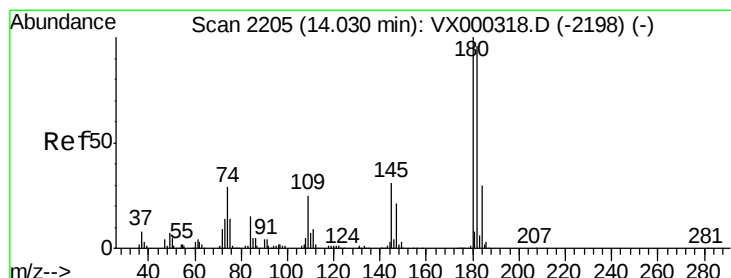
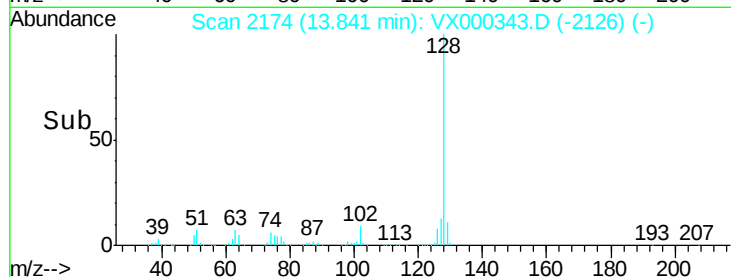
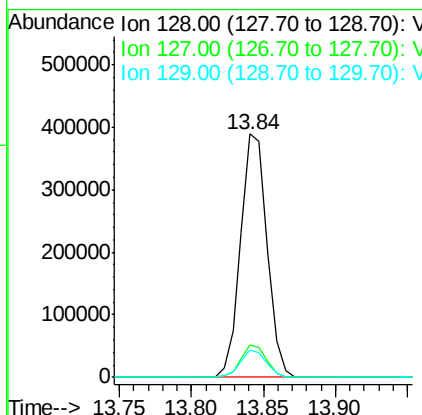
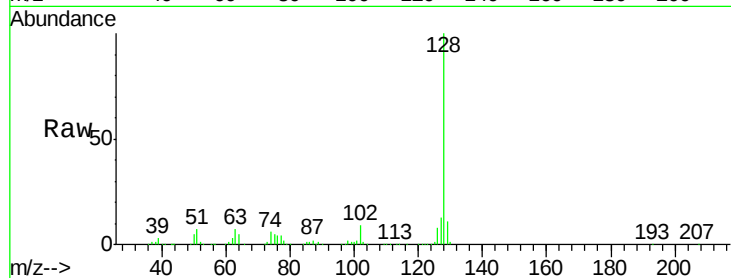




#95
Naphthalene
Concen: 52.88 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.01 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:128 Resp: 495473
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 51.03 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000343.D
Acq: 16 Mar 2018 12:40

Tgt Ion:180 Resp: 139177
Ion Ratio Lower Upper
180 100
182 94.1 47.4 142.3
145 31.3 15.8 47.3

