

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
 Data File : VX002298.D
 Acq On : 05 Jun 2018 11:50
 Operator : JC/MD
 Sample : VX0605WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 04:28:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	401952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	381684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	239692	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	192041	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
35) Dibromofluoromethane	5.51	113	141921	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	
50) Toluene-d8	8.72	98	570642	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
62) 4-Bromofluorobenzene	11.14	95	210990	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	63142	21.59	ug/l	99
3) Chloromethane	1.32	50	74003	20.39	ug/l	98
4) Vinyl Chloride	1.41	62	77492	21.03	ug/l	98
5) Bromomethane	1.64	94	49193	21.70	ug/l	97
6) Chloroethane	1.73	64	47740	20.03	ug/l	99
7) Trichlorofluoromethane	1.93	101	125644	22.38	ug/l	98
8) Diethyl Ether	2.19	74	44273	20.79	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	72638	23.97	ug/l	98
10) Methyl Iodide	2.51	142	66876	15.69	ug/l	99
11) Tert butyl alcohol	3.06	59	85819	91.56	ug/l	98
12) 1,1-Dichloroethene	2.38	96	63481	21.20	ug/l	96
13) Acrolein	2.29	56	42143	99.65	ug/l	97
14) Allyl chloride	2.73	41	124748	19.20	ug/l	98
15) Acrylonitrile	3.15	53	181148	100.00	ug/l	100
16) Acetone	2.45	43	195450	101.60	ug/l	100
17) Carbon Disulfide	2.57	76	149270	18.91	ug/l	99
18) Methyl Acetate	2.78	43	87802	20.18	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	228226	20.47	ug/l	100
20) Methylene Chloride	2.86	84	70647	20.59	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	66907	20.26	ug/l	93
22) Diisopropyl ether	3.87	45	243979	21.63	ug/l	96
23) Vinyl Acetate	3.82	43	1052469	99.90	ug/l	100
24) 1,1-Dichloroethane	3.70	63	129602	20.18	ug/l	99
25) 2-Butanone	4.70	43	245086	88.86	ug/l	99
26) 2,2-Dichloropropane	4.59	77	92187	18.36	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	66448	18.50	ug/l	97
28) Bromochloromethane	5.03	49	57245	18.73	ug/l	99
29) Tetrahydrofuran	5.17	42	153188	86.15	ug/l	99
30) Chloroform	5.22	83	116377	18.78	ug/l	98
31) Cyclohexane	5.58	56	107591	21.18	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	102614	19.52	ug/l	99
36) 1,1-Dichloropropene	5.80	75	85335	20.19	ug/l	98
37) Ethyl Acetate	4.86	43	94214	18.54	ug/l	99
38) Carbon Tetrachloride	5.79	117	89061	20.15	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 04:28:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	110291	21.28	ug/l	98
40) Benzene	6.15	78	260180	20.08	ug/l	99
41) Methacrylonitrile	5.06	41	53664	18.45	ug/l	99
42) 1,2-Dichloroethane	6.20	62	101121	19.64	ug/l	99
43) Isopropyl Acetate	6.46	43	157636	18.26	ug/l	100
44) Trichloroethene	7.21	130	74659	20.76	ug/l	95
45) 1,2-Dichloropropane	7.52	63	68934	19.71	ug/l	95
46) Dibromomethane	7.67	93	44690	18.85	ug/l	98
47) Bromodichloromethane	7.90	83	79958	18.64	ug/l	98
48) Methyl methacrylate	7.78	41	80446	18.55	ug/l	99
49) 1,4-Dioxane	7.76	88	30495	376.17	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	502993	93.58	ug/l	100
52) Toluene	8.79	92	168486	20.45	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	96635	18.79	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	90536	18.66	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	66464	19.61	ug/l	98
56) Ethyl methacrylate	9.18	69	100541	18.58	ug/l	99
57) 1,3-Dichloropropane	9.37	76	111335	19.58	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	243136	97.08	ug/l	100
59) 2-Hexanone	9.50	43	388000	93.45	ug/l	99
60) Dibromochloromethane	9.59	129	62695	18.39	ug/l	98
61) 1,2-Dibromoethane	9.68	107	69762	19.74	ug/l	100
64) Tetrachloroethene	9.34	164	85234	21.65	ug/l	97
65) Chlorobenzene	10.14	112	192502	20.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	66352	19.29	ug/l	99
67) Ethyl Benzene	10.26	91	333005	20.95	ug/l	99
68) m/p-Xylenes	10.37	106	256140	41.46	ug/l	100
69) o-Xylene	10.70	106	125045	20.34	ug/l	100
70) Styrene	10.71	104	204069	20.30	ug/l	100
71) Bromoform	10.86	173	46249	17.44	ug/l #	98
73) Isopropylbenzene	11.02	105	341658	20.49	ug/l	100
74) N-amyl acetate	6.46	43	157636	17.55	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	94355	17.99	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	109028	20.73	ug/l	81
77) Bromobenzene	11.26	156	90194	19.27	ug/l	100
78) n-propylbenzene	11.37	91	393907	21.25	ug/l	100
79) 2-Chlorotoluene	11.43	91	228027	19.49	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	290277	20.30	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	23836	15.89	ug/l	91
82) 4-Chlorotoluene	11.52	91	271476	20.10	ug/l	100
83) tert-Butylbenzene	11.77	119	282750	20.30	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	300481	20.41	ug/l	100
85) sec-Butylbenzene	11.95	105	357012	21.87	ug/l	99
86) p-Isopropyltoluene	12.07	119	318131	21.39	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	166469	19.89	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	167811	19.45	ug/l	99
89) n-Butylbenzene	12.40	91	275196	22.06	ug/l	100
90) Hexachloroethane	12.60	117	43244	18.22	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	170031	19.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19541	17.04	ug/l	97

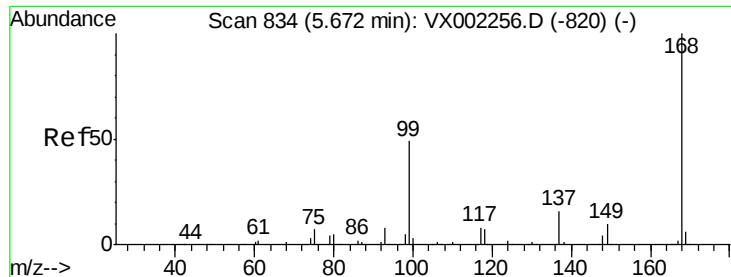
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060518\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	122801	20.22	ug/l	100
94) Hexachlorobutadiene	13.79	225	67651	22.55	ug/l	99
95) Naphthalene	13.84	128	337804	19.36	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	125771	20.31	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

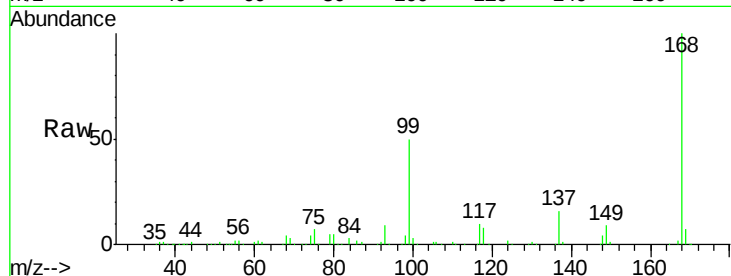
ClientSampled :

Tot Ion:168 Resp: 281294

Ion Ratio Lower Upper

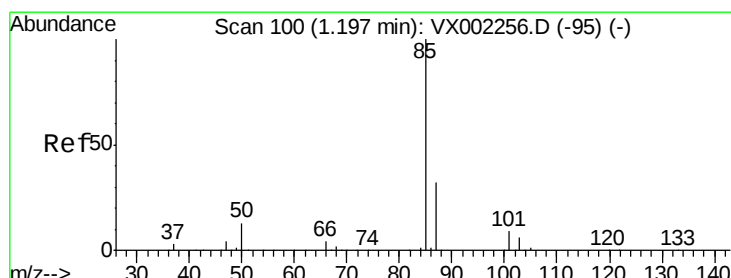
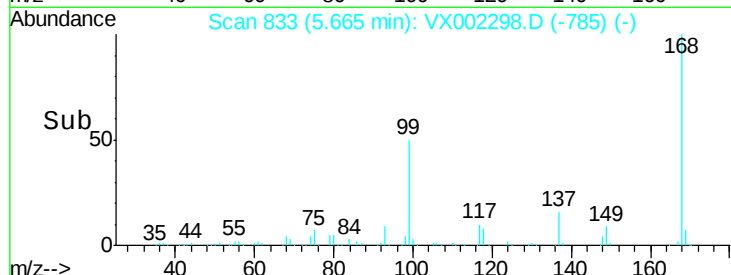
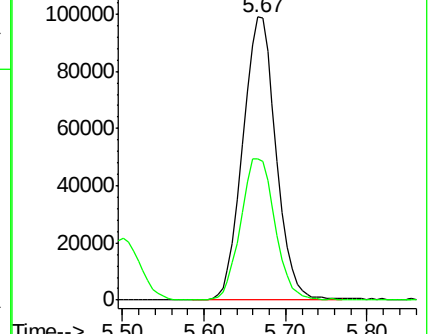
168 100

99 49.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.59 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002298.D

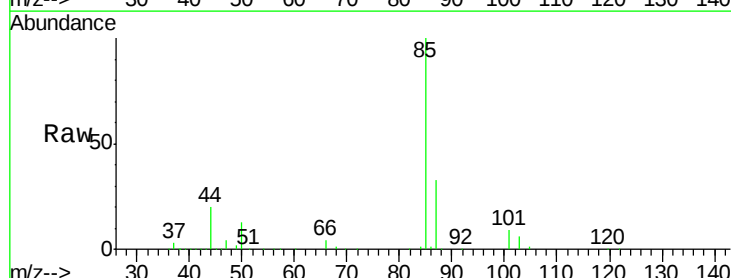
Acq: 05 Jun 2018 11:50

Tgt Ion: 85 Resp: 63142

Ion Ratio Lower Upper

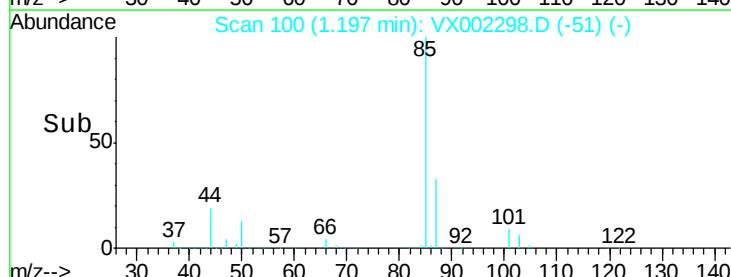
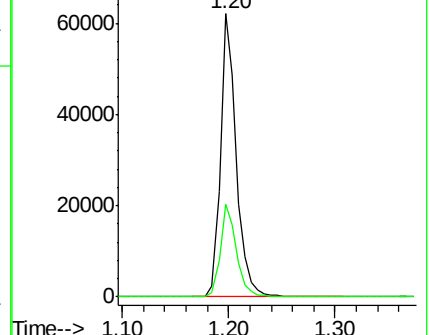
85 100

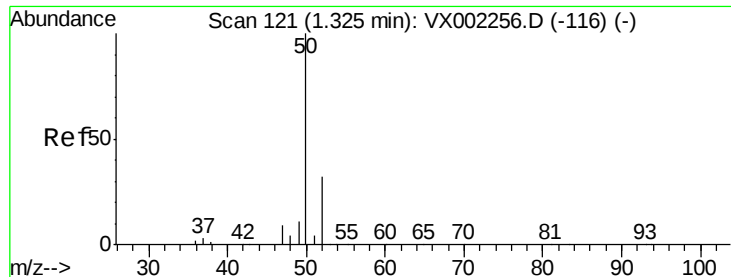
87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.39 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

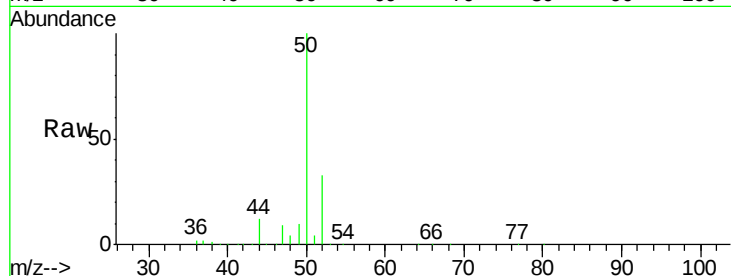
ClientSampleId :

Tot Ion: 50 Resp: 74003

Ion Ratio Lower Upper

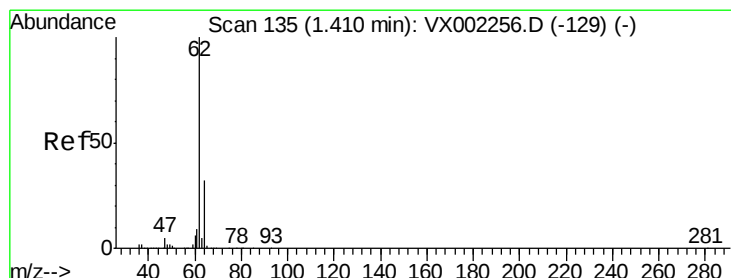
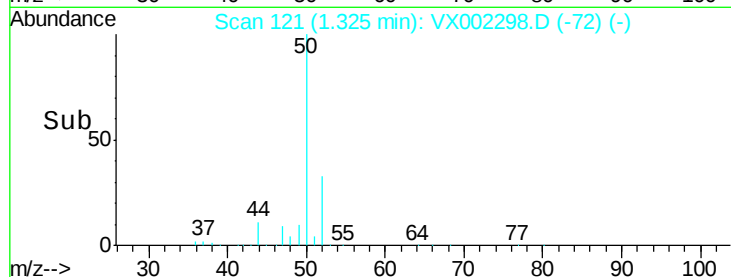
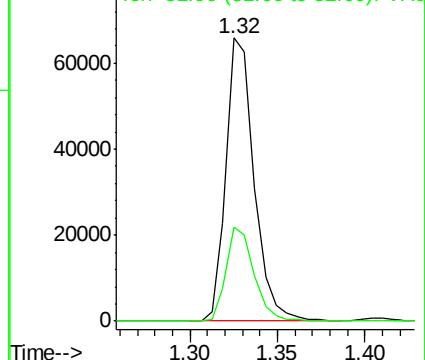
50 100

52 33.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.03 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002298.D

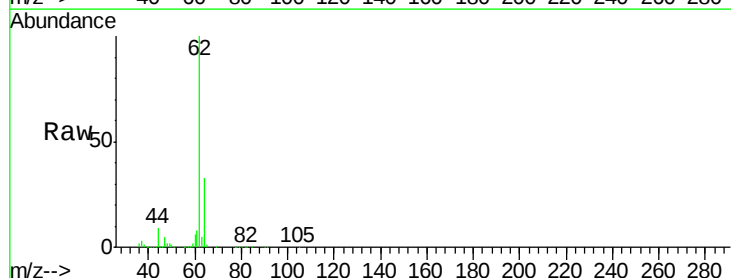
Acq: 05 Jun 2018 11:50

Tgt Ion: 62 Resp: 77492

Ion Ratio Lower Upper

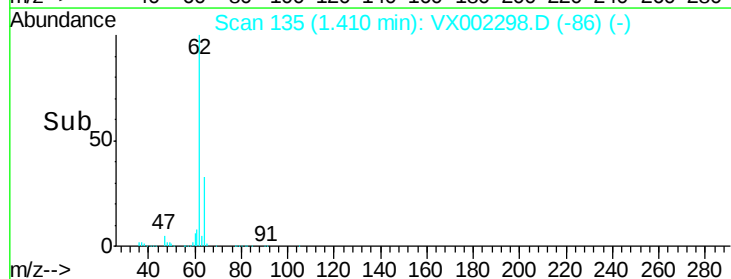
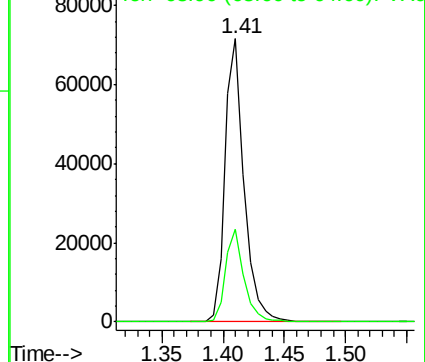
62 100

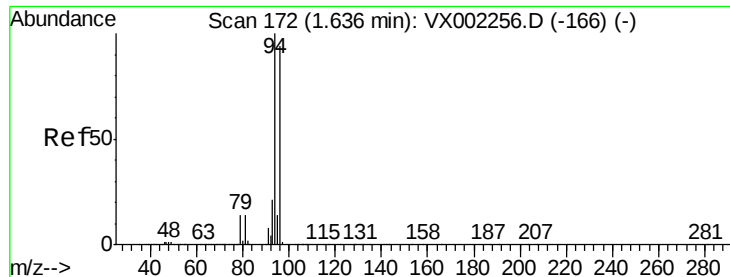
64 32.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.70 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

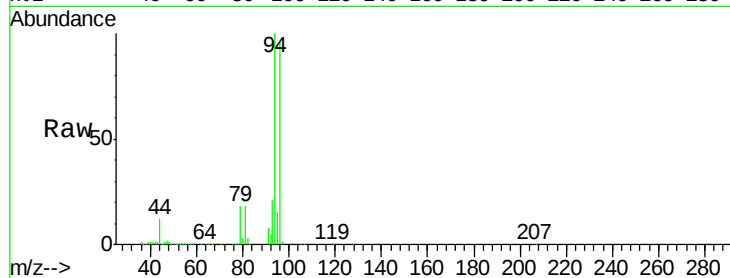
ClientSampleId :

Tot Ion: 94 Resp: 49193

Ion Ratio Lower Upper

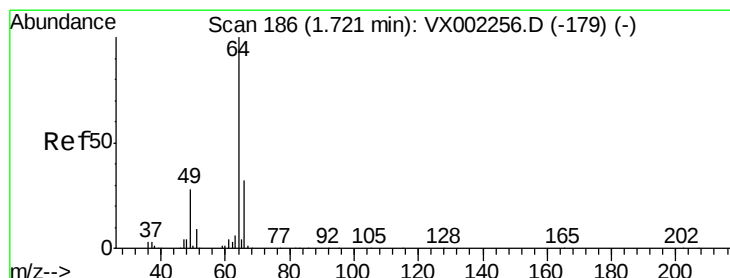
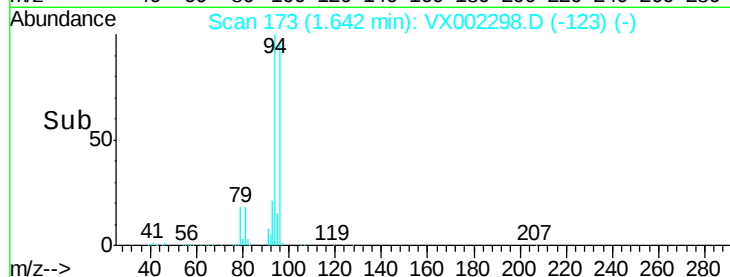
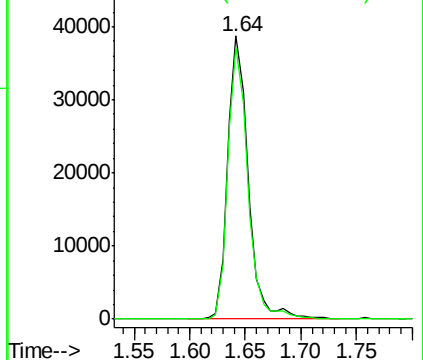
94 100

96 96.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.03 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002298.D

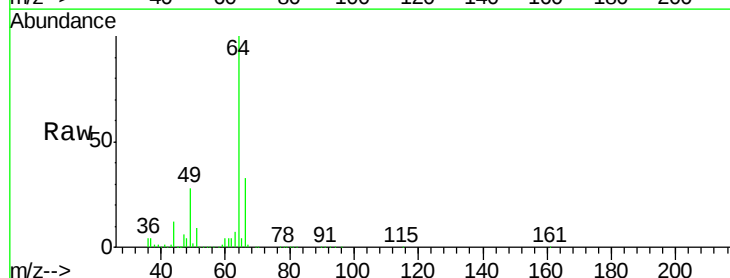
Acq: 05 Jun 2018 11:50

Tgt Ion: 64 Resp: 47740

Ion Ratio Lower Upper

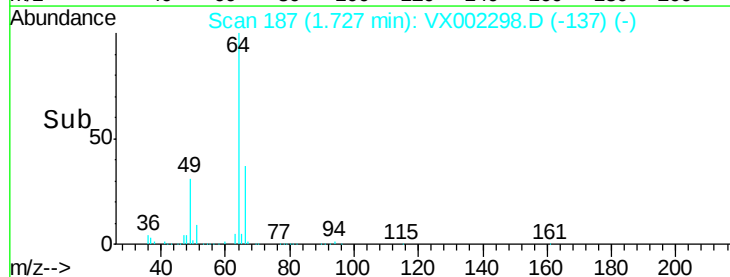
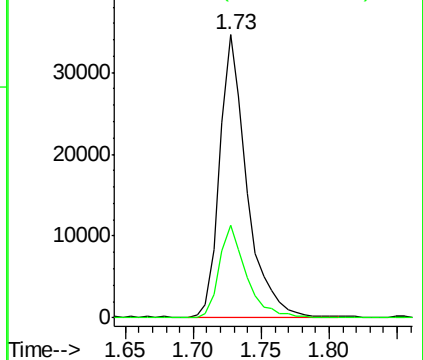
64 100

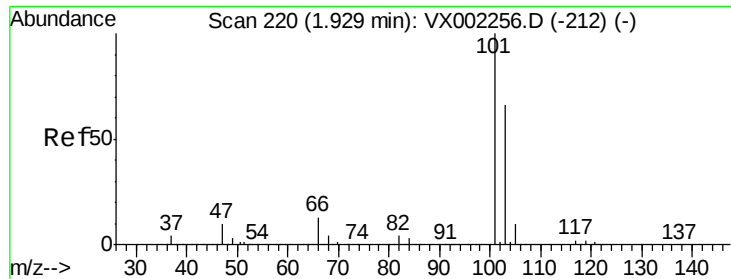
66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



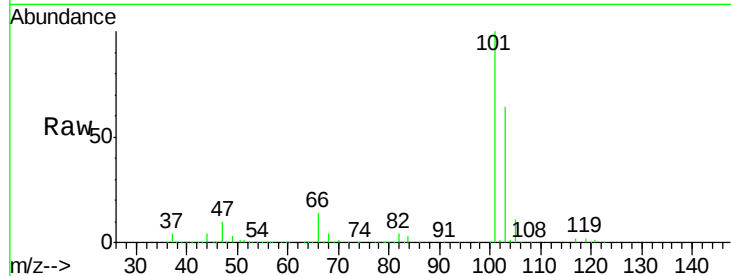


#7

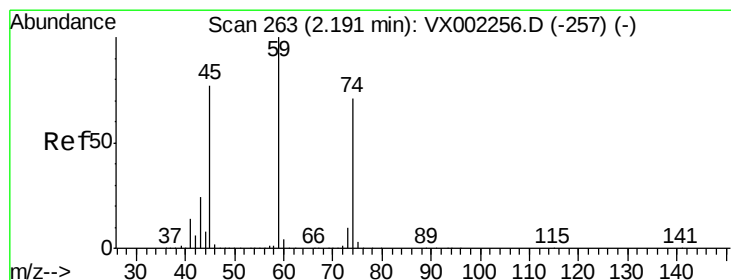
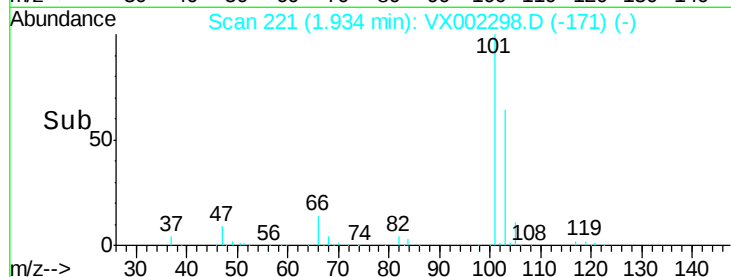
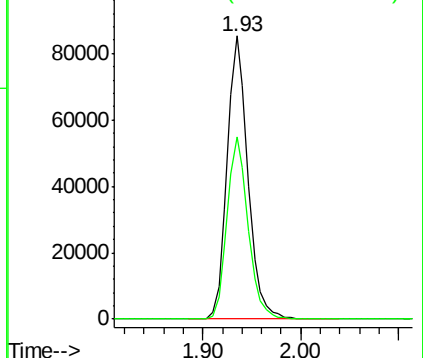
Trichlorofluoromethane
Concen: 22.38 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 125644
Ion Ratio Lower Upper
101 100
103 64.5 52.8 79.2



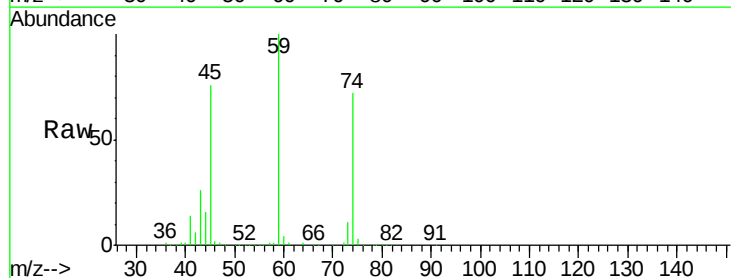
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



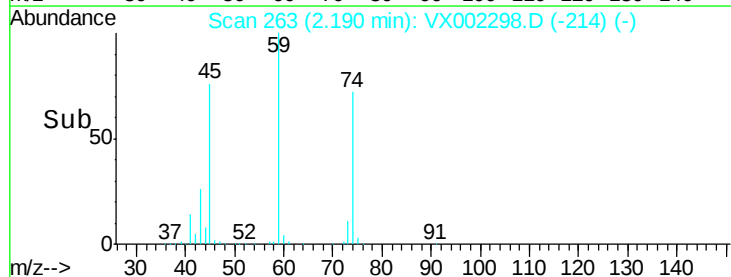
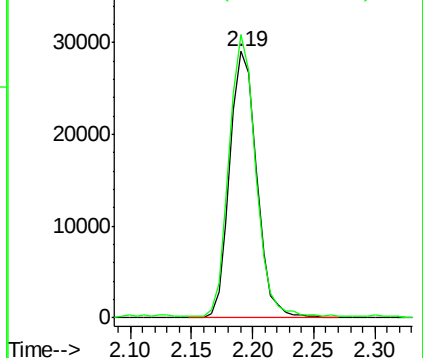
#8

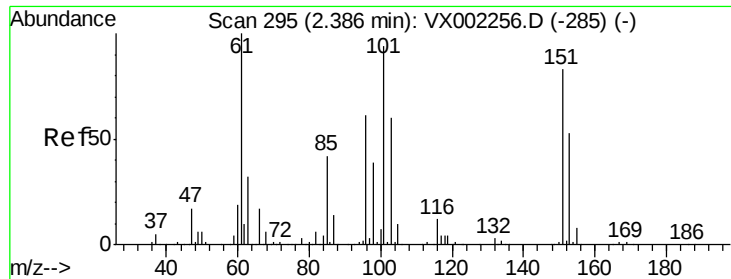
Diethyl Ether
Concen: 20.79 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 74 Resp: 44273
Ion Ratio Lower Upper
74 100
45 104.0 53.1 159.4



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

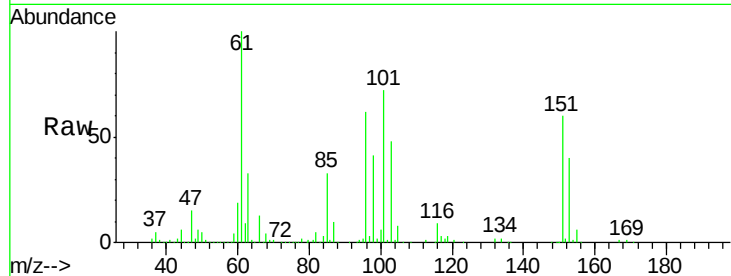




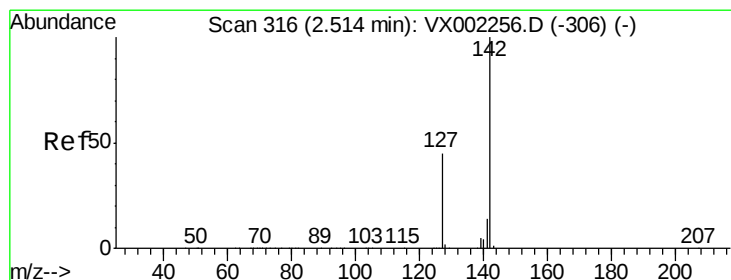
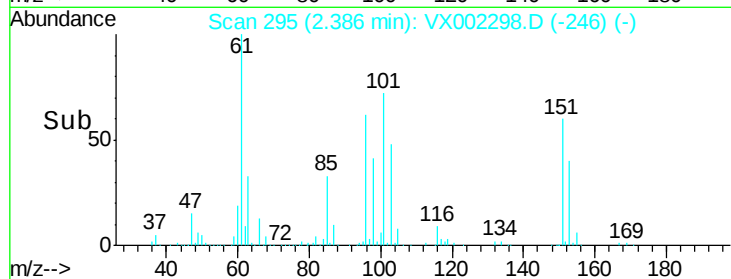
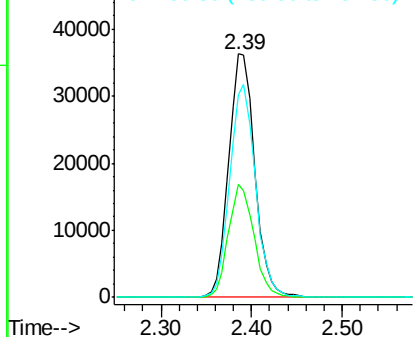
#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.97 ug/l
RT: 2.39 min Scan# 295
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 72638
Ion Ratio Lower Upper
101 100
85 45.4 36.0 54.0
151 86.4 70.9 106.3

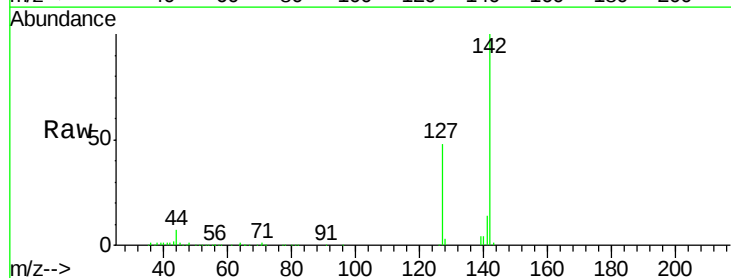


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V

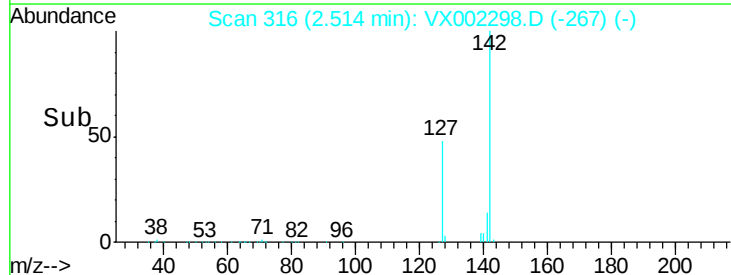
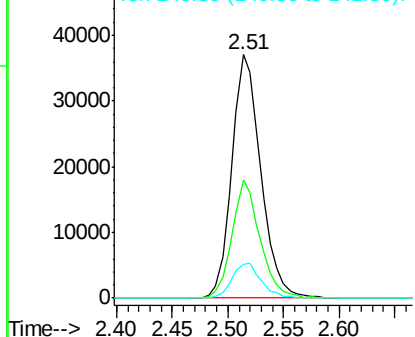


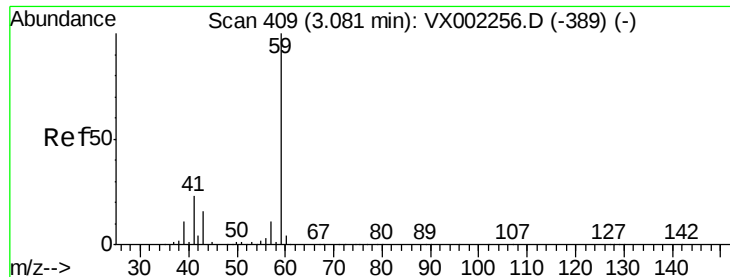
#10
Methyl Iodide
Concen: 15.69 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion:142 Resp: 66876
Ion Ratio Lower Upper
142 100
127 46.7 36.6 55.0
141 14.4 11.3 16.9



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

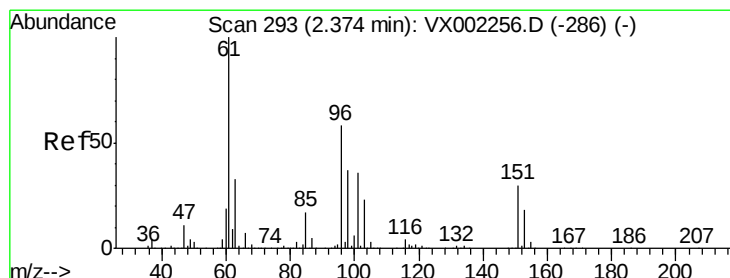
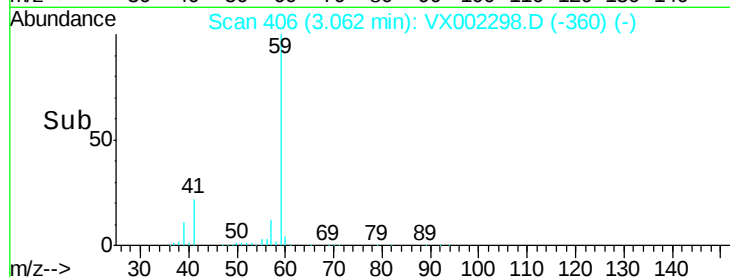
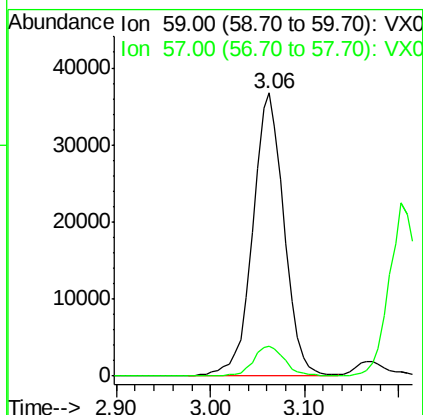
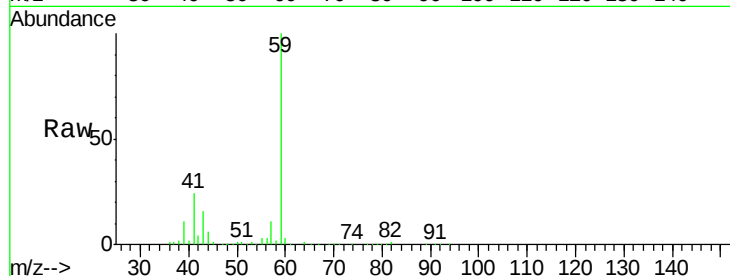




#11
Tert butyl alcohol
Concen: 91.56 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

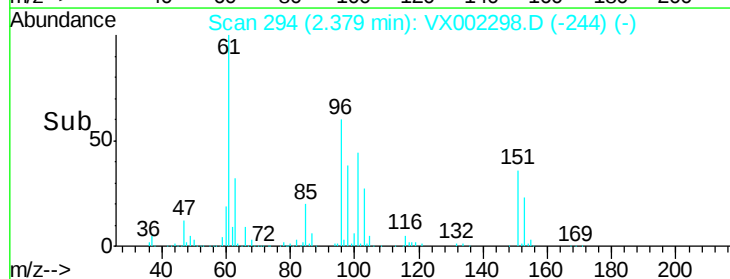
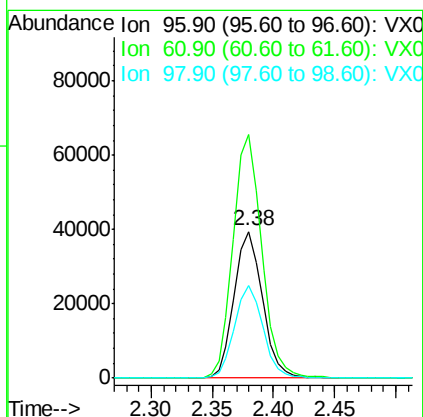
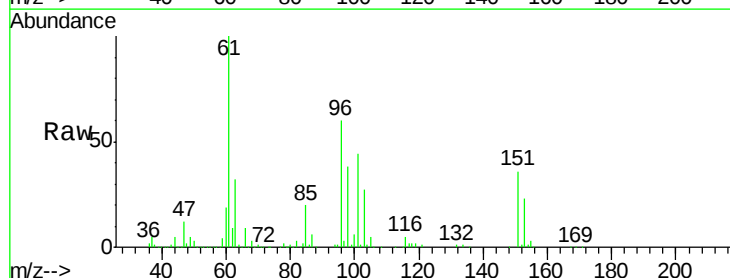
Instrument :
MSVOA_X
ClientSampled :

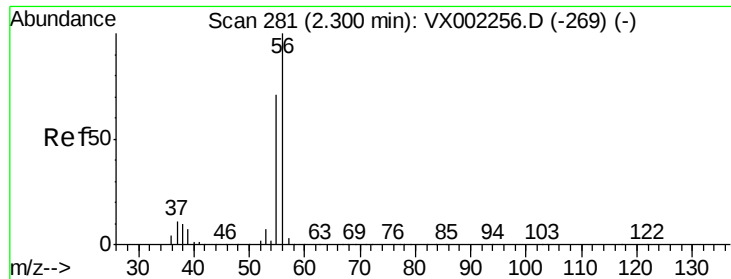
Tot Ion: 59 Resp: 85819
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2



#12
1,1-Dichloroethene
Concen: 21.20 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 96 Resp: 63481
Ion Ratio Lower Upper
96 100
61 165.7 137.9 206.9
98 63.4 51.6 77.4





#13

Acrolein

Concen: 99.65 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

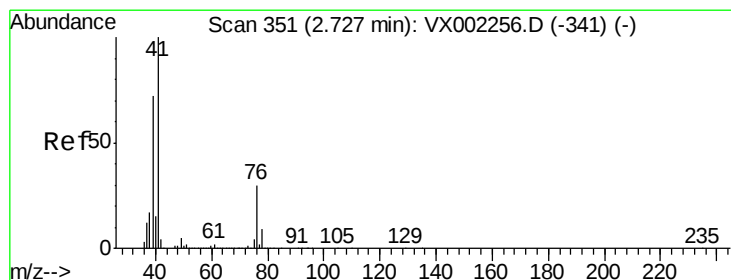
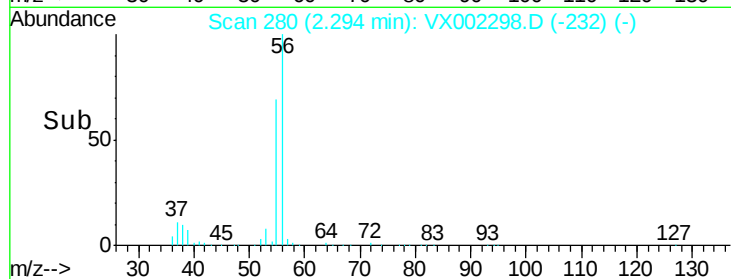
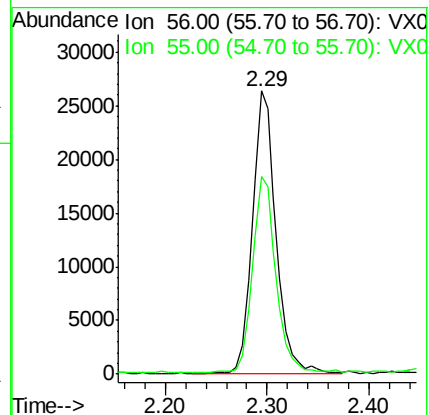
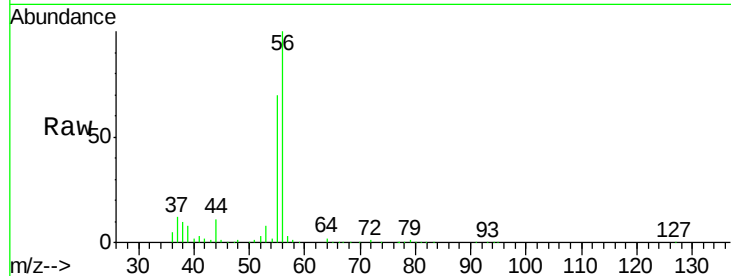
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 42143

Ion Ratio Lower Upper

56 100

55 68.8 57.0 85.4



#14

Allyl chloride

Concen: 19.20 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

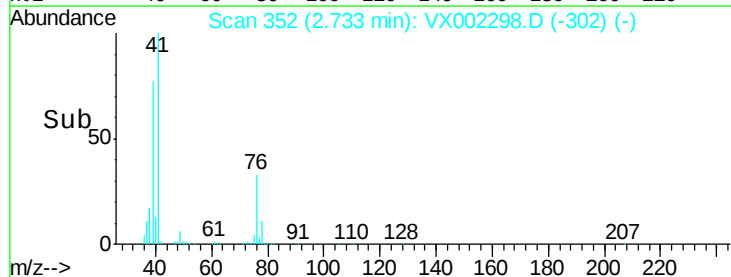
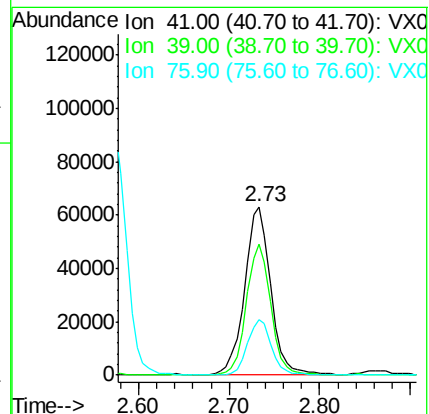
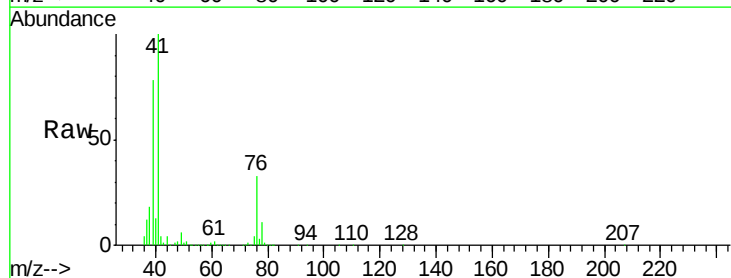
Tgt Ion: 41 Resp: 124748

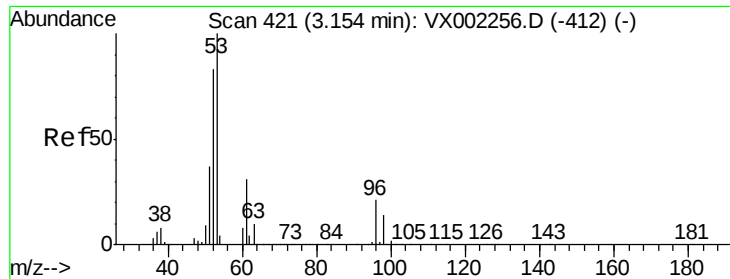
Ion Ratio Lower Upper

41 100

39 72.5 56.8 85.2

76 30.4 23.8 35.8





#15

Acrylonitrile

Concen: 100.00 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

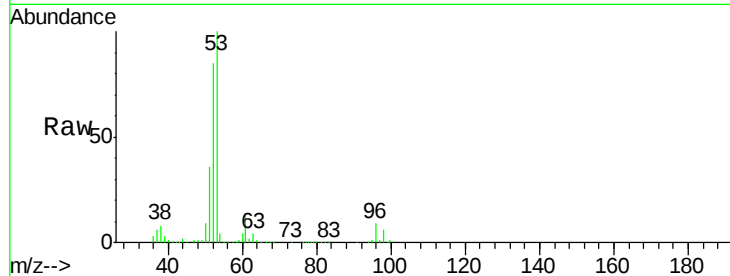
Tot Ion: 53 Resp: 181148

Ion Ratio Lower Upper

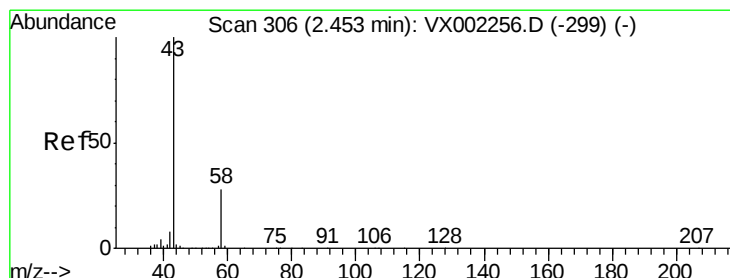
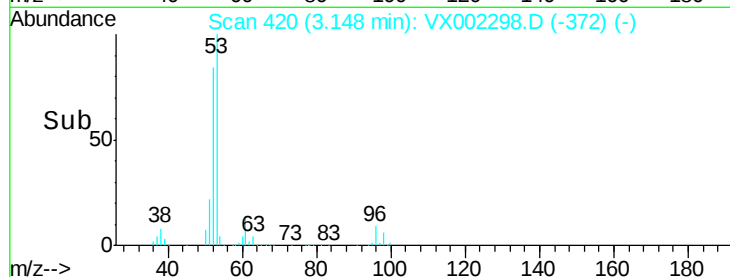
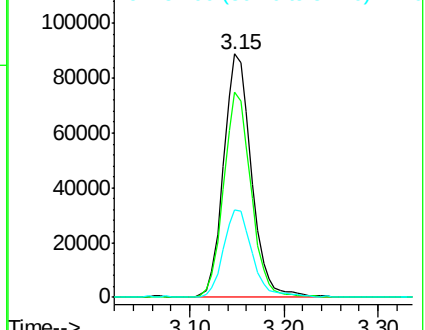
53 100

52 83.6 66.7 100.1

51 37.7 29.9 44.9



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: 101.60 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002298.D

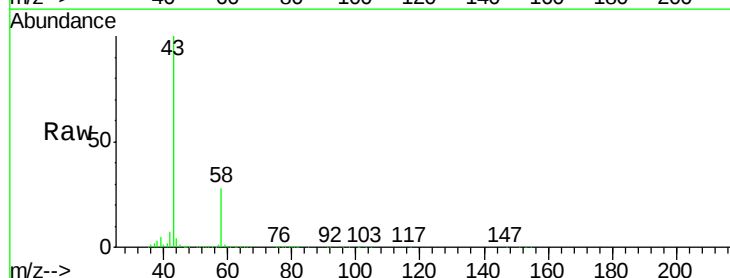
Acq: 05 Jun 2018 11:50

Tgt Ion: 43 Resp: 195450

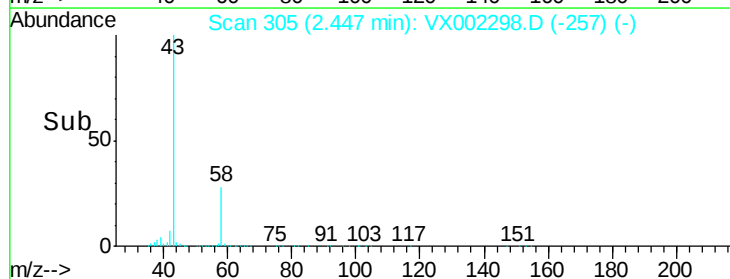
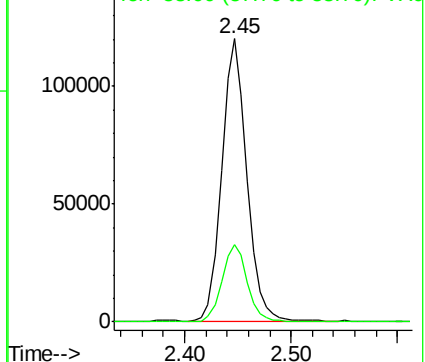
Ion Ratio Lower Upper

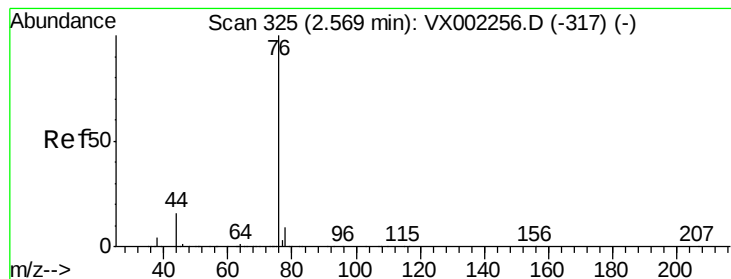
43 100

58 27.5 22.1 33.1



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





#17

Carbon Disulfide

Concen: 18.91 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

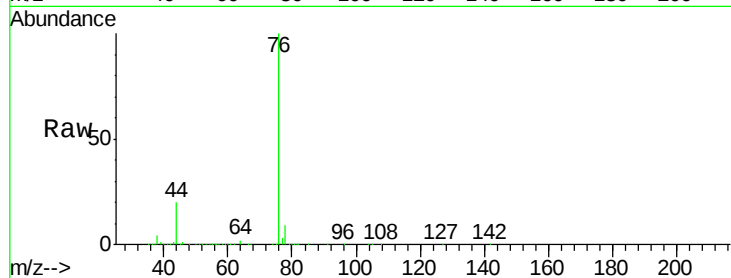
ClientSampleId :

Tot Ion: 76 Resp: 149270

Ion Ratio Lower Upper

76 100

78 8.8 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

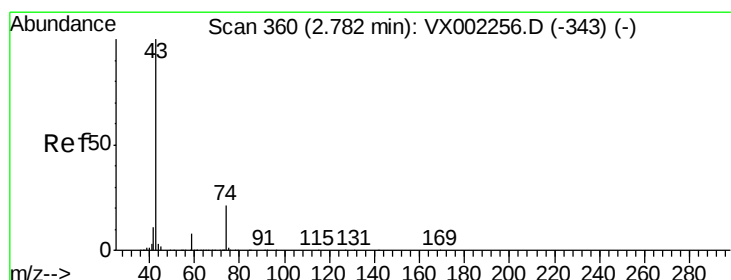
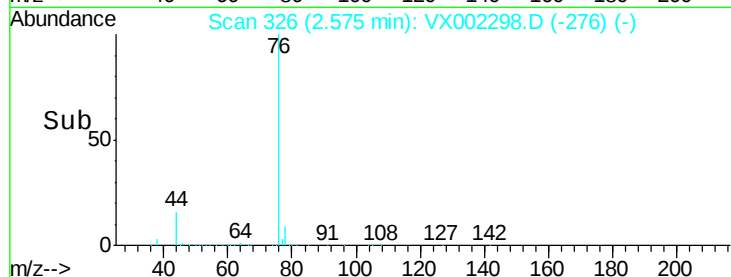
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.18 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002298.D

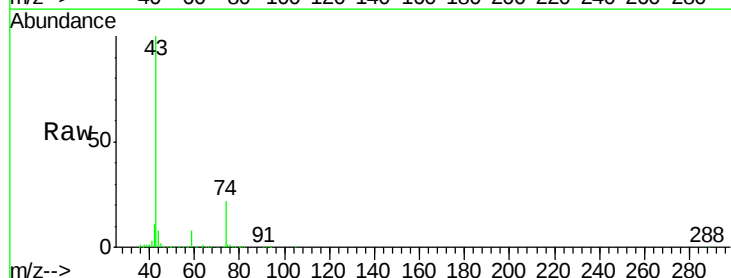
Acq: 05 Jun 2018 11:50

Tgt Ion: 43 Resp: 87802

Ion Ratio Lower Upper

43 100

74 21.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

50000

40000

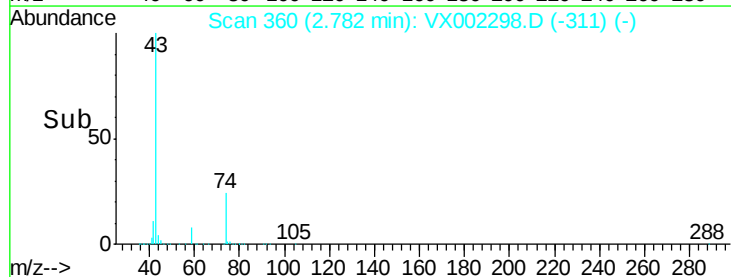
30000

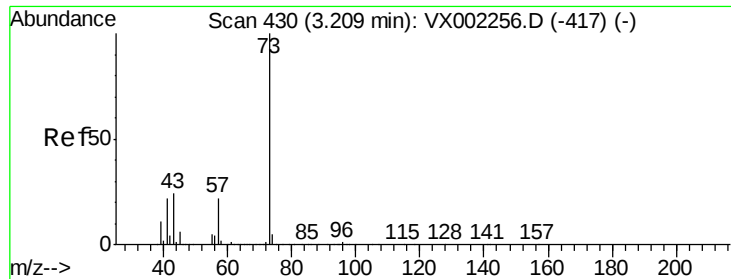
20000

10000

0

Time-->



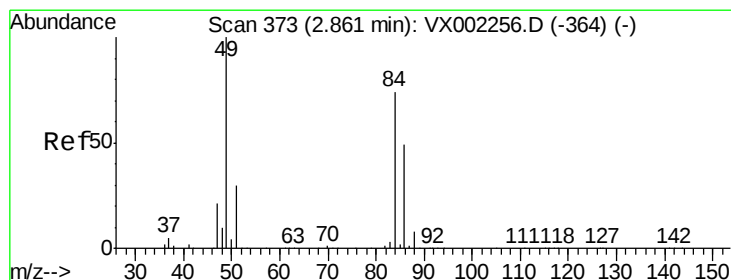
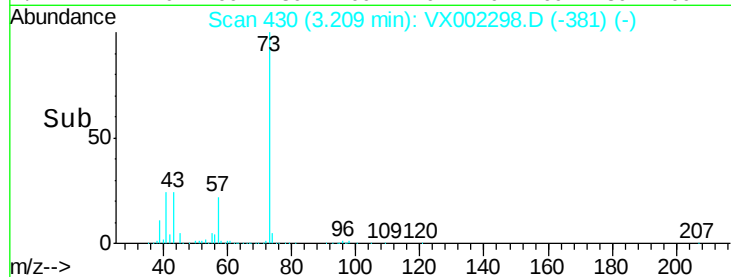
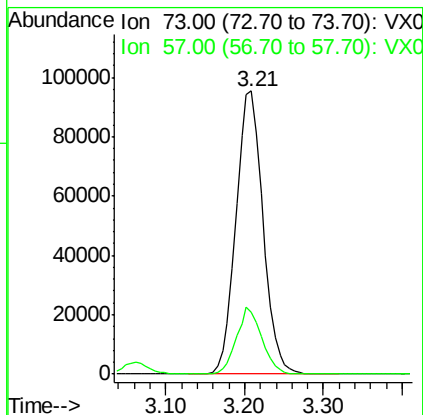
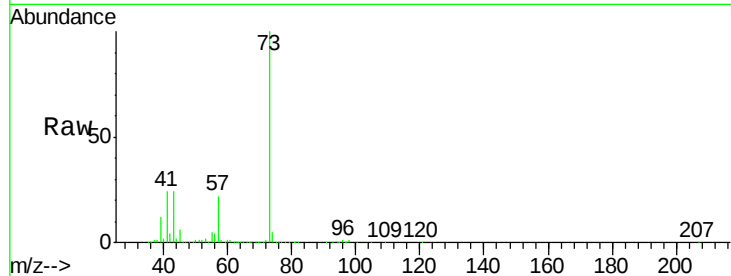


#19

Methyl tert-butyl Ether
 Concen: 20.47 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Instrument :
 MSVOA_X
 ClientSampled :

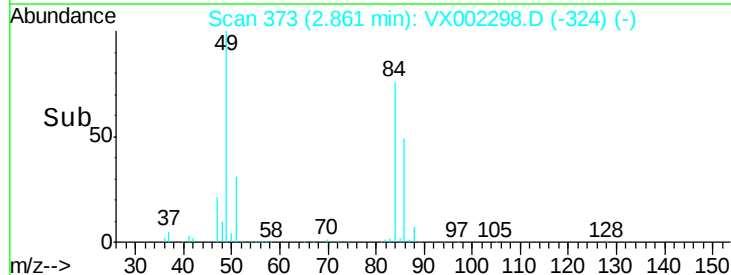
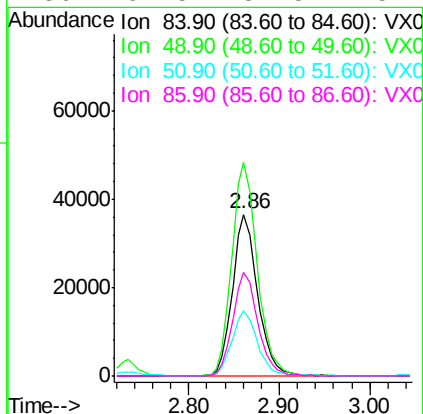
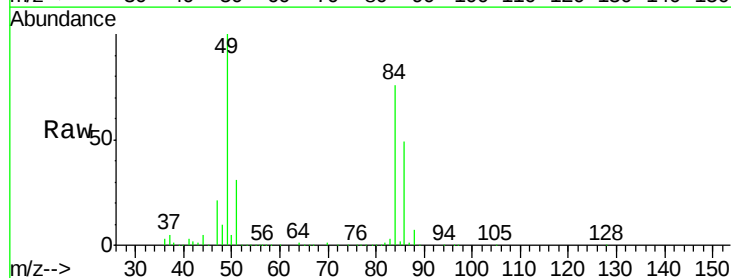
Tot Ion: 73 Resp: 228226
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.7 26.5

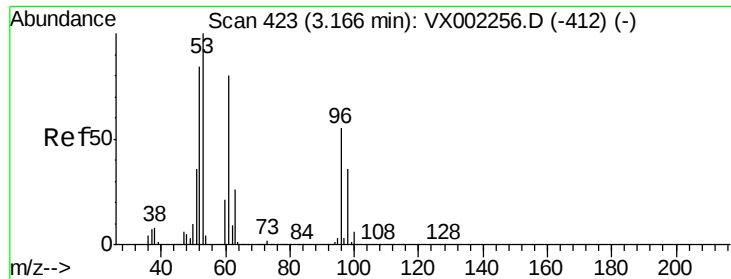


#20

Methylene Chloride
 Concen: 20.59 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion: 84 Resp: 70647
 Ion Ratio Lower Upper
 84 100
 49 132.2 107.8 161.6
 51 40.4 32.8 49.2
 86 64.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.26 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

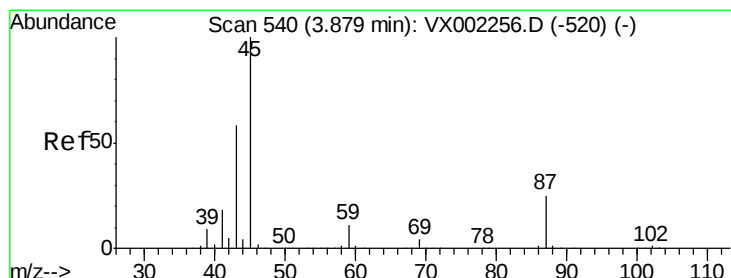
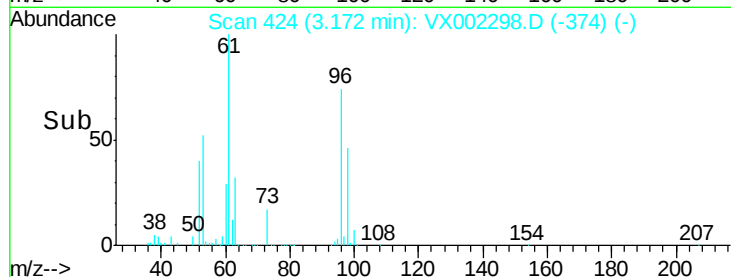
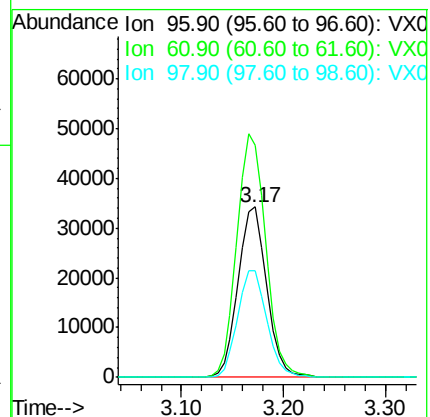
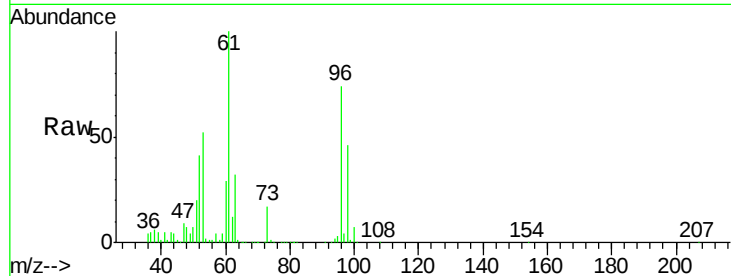
Tot Ion: 96 Resp: 66907

Ion Ratio Lower Upper

96 100

61 135.6 117.0 175.4

98 62.3 52.4 78.6



#22

Diisopropyl ether

Concen: 21.63 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Tgt Ion: 45 Resp: 243979

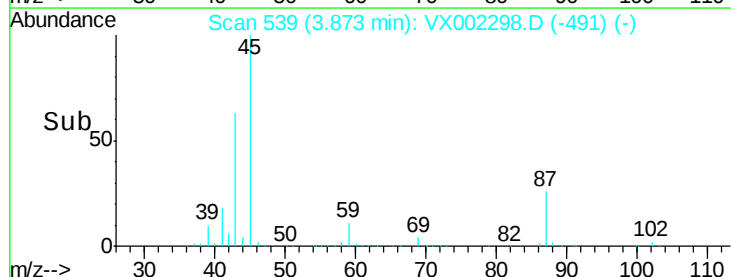
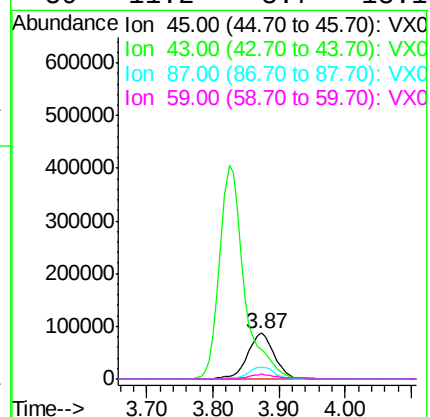
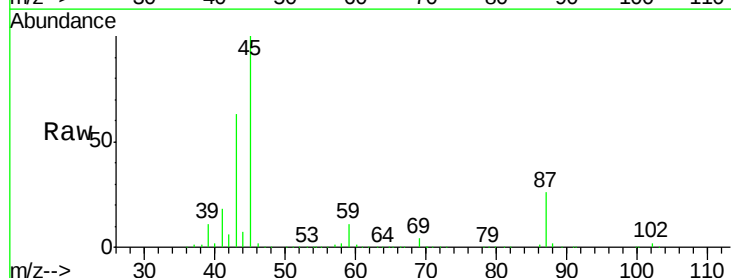
Ion Ratio Lower Upper

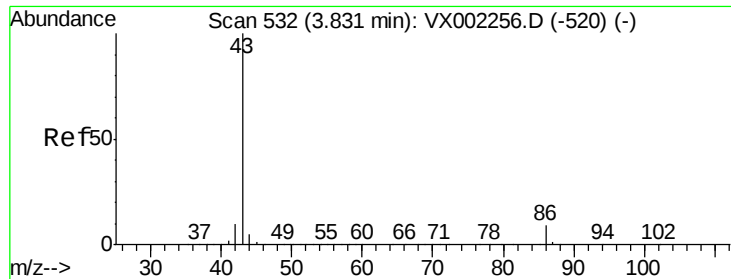
45 100

43 63.0 46.8 70.2

87 26.0 20.2 30.4

59 11.2 8.7 13.1





#23

Vinyl Acetate

Concen: 99.90 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

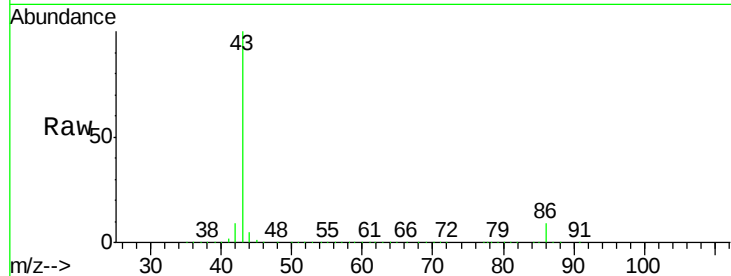
ClientSampleId :

Tot Ion: 43 Resp: 1052469

Ion Ratio Lower Upper

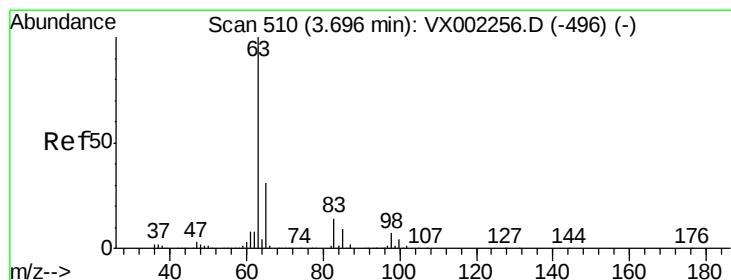
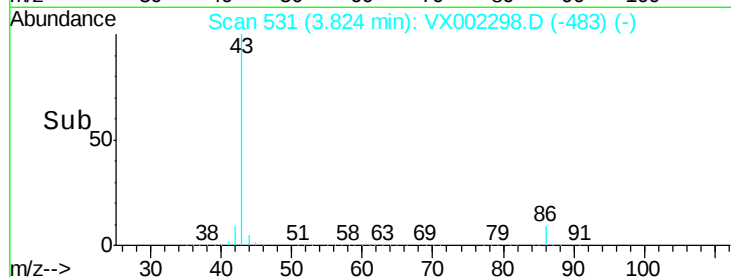
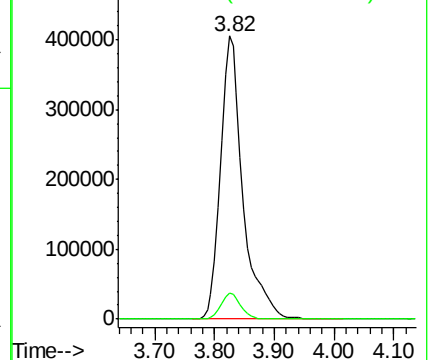
43 100

86 9.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.18 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

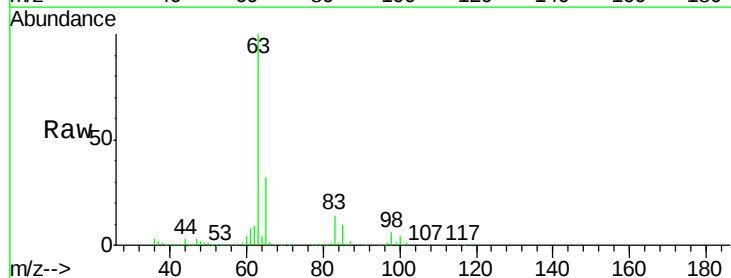
Tgt Ion: 63 Resp: 129602

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

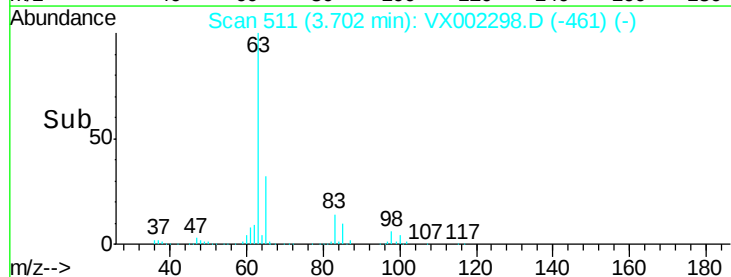
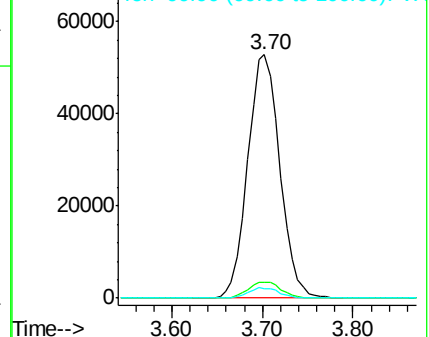
100 4.1 2.0 6.0

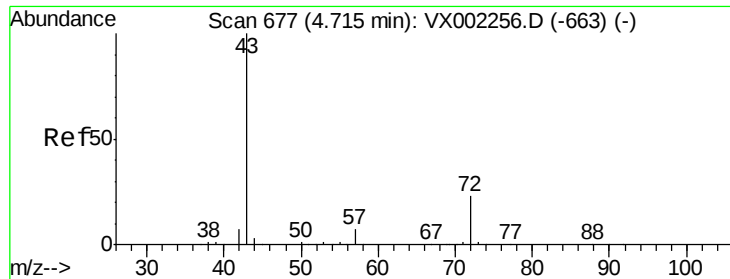


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 88.86 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

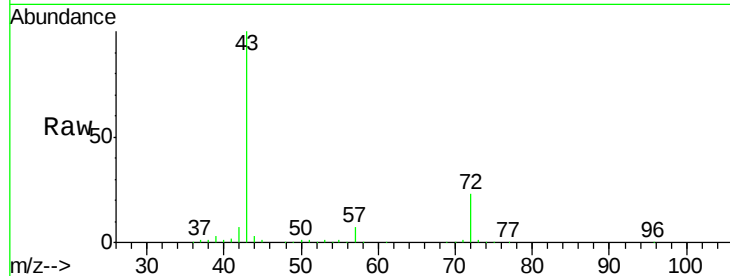
ClientSampleId :

Tot Ion: 43 Resp: 245086

Ion Ratio Lower Upper

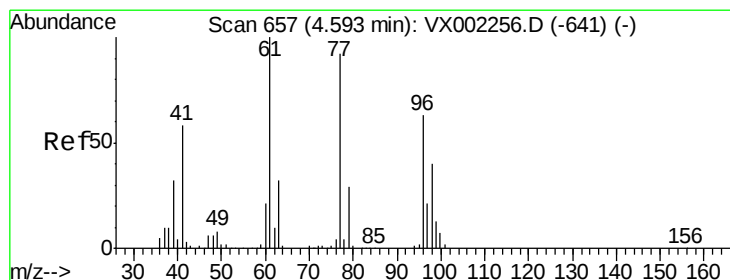
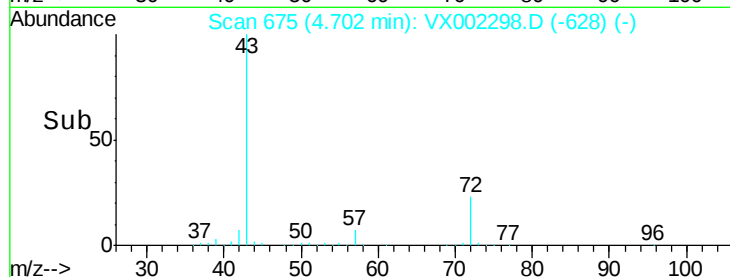
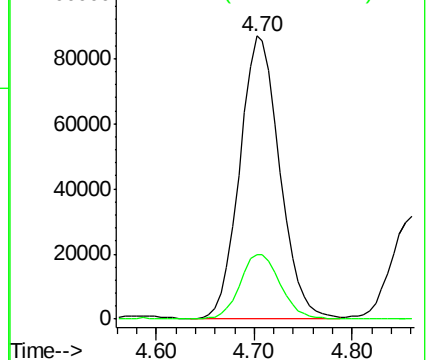
43 100

72 22.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.36 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002298.D

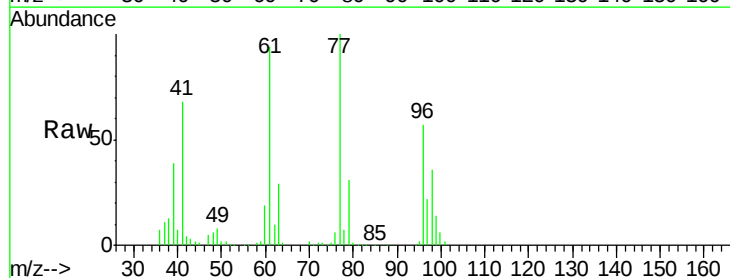
Acq: 05 Jun 2018 11:50

Tgt Ion: 77 Resp: 92187

Ion Ratio Lower Upper

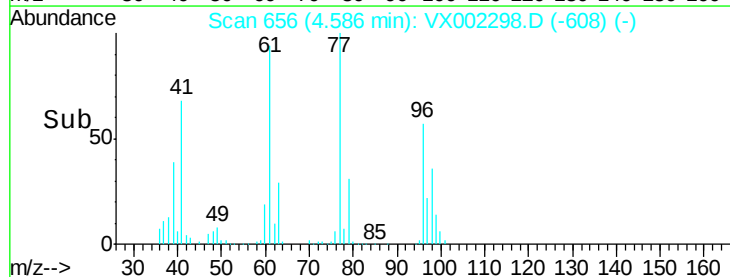
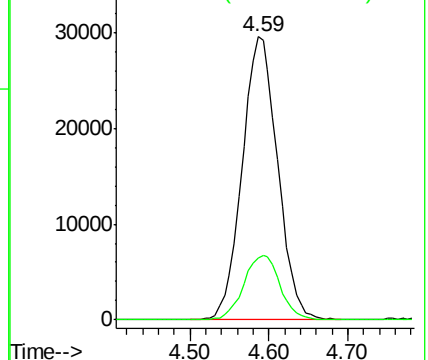
77 100

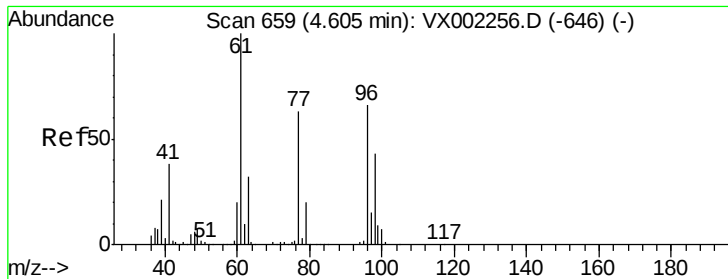
97 23.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



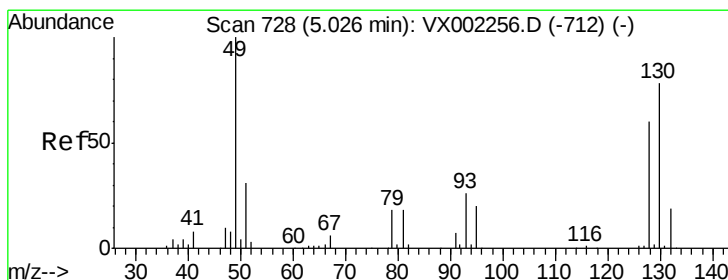
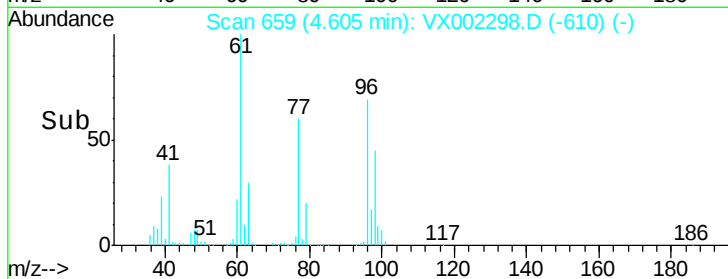
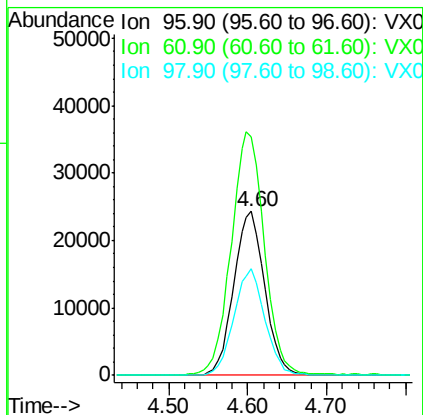
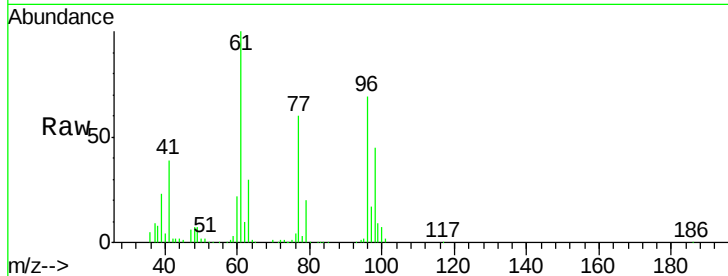


#27

cis-1,2-Dichloroethene
Concen: 18.50 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :

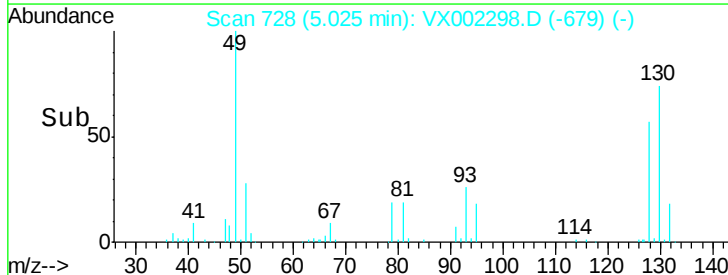
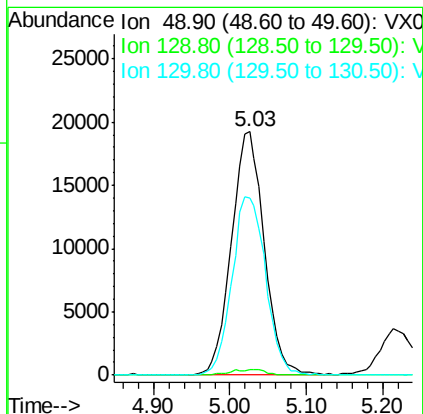
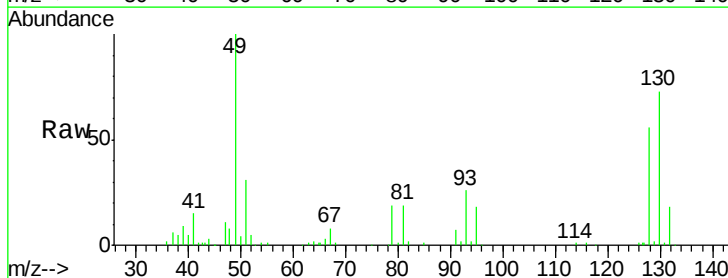
Tot Ion: 96 Resp: 66448
Ion Ratio Lower Upper
96 100
61 159.1 0.0 330.2
98 65.0 0.0 130.2

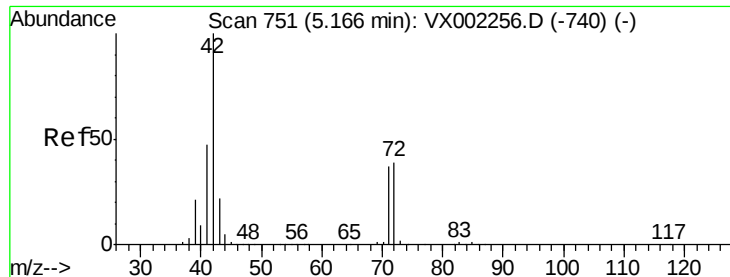


#28

Bromochloromethane
Concen: 18.73 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 49 Resp: 57245
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.2
130 75.3 61.2 91.8

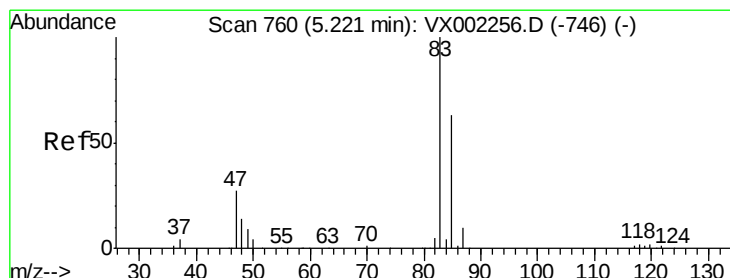
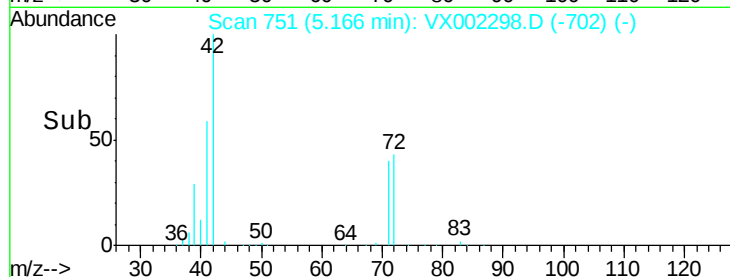
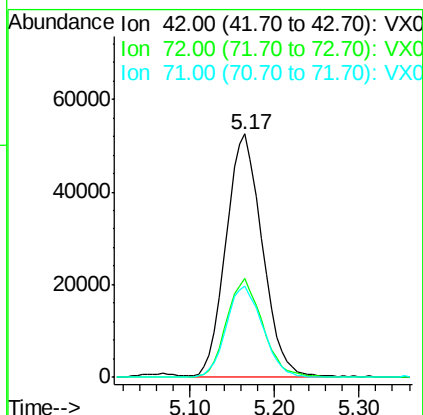
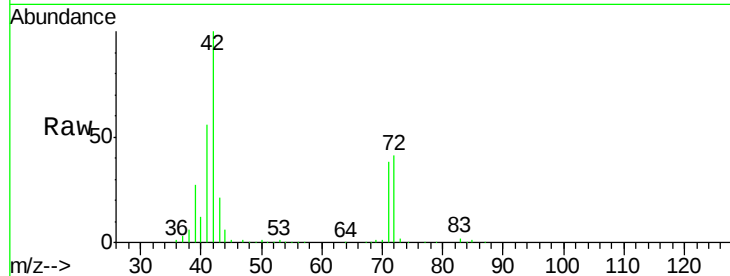




#29
Tetrahydrofuran
Concen: 86.15 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

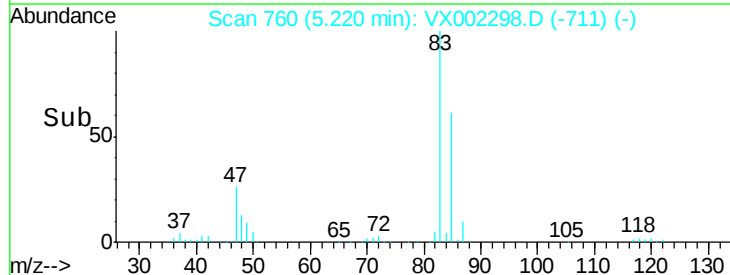
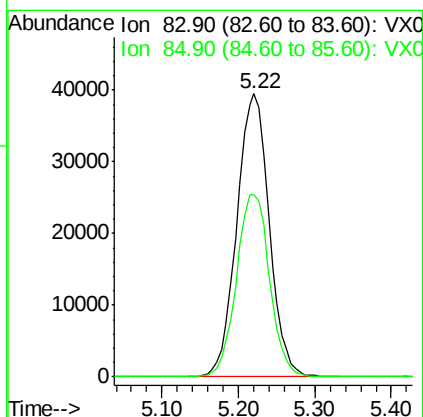
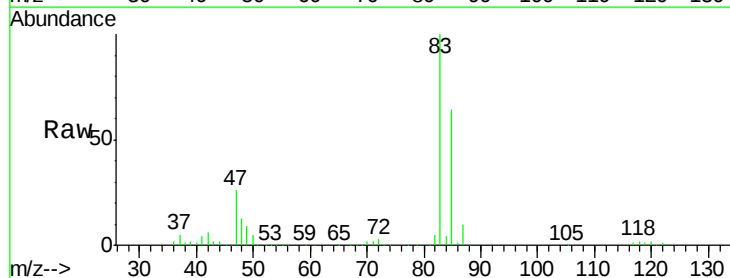
Instrument :
MSVOA_X
ClientSampleId :

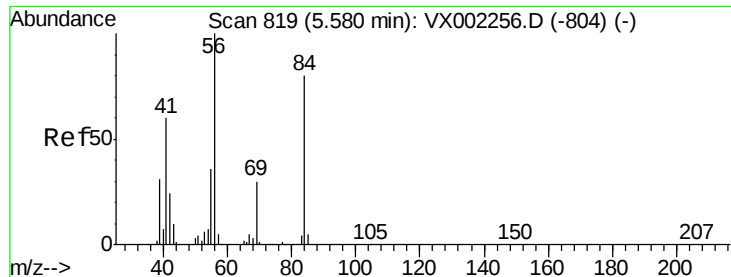
Tot Ion: 42 Resp: 153188
Ion Ratio Lower Upper
42 100
72 40.7 32.0 48.0
71 38.2 30.1 45.1



#30
Chloroform
Concen: 18.78 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 83 Resp: 116377
Ion Ratio Lower Upper
83 100
85 64.3 50.4 75.6

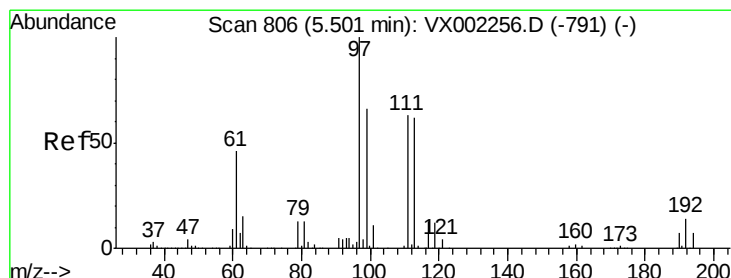
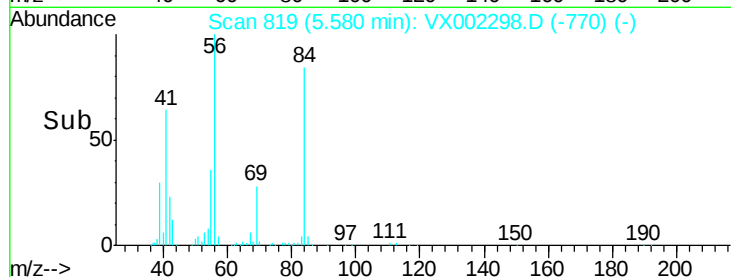
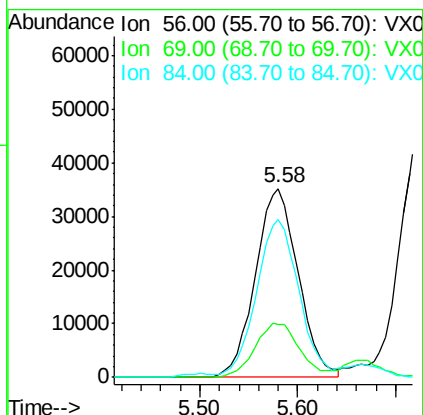
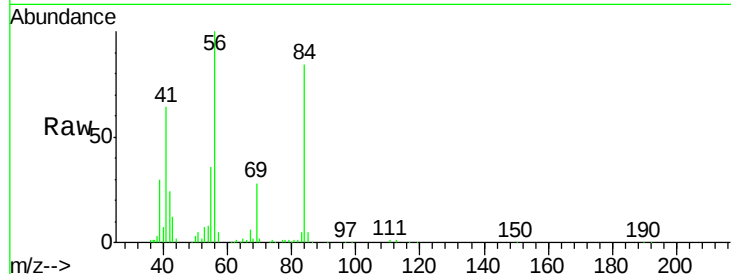




#31
Cyclohexane
Concen: 21.18 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

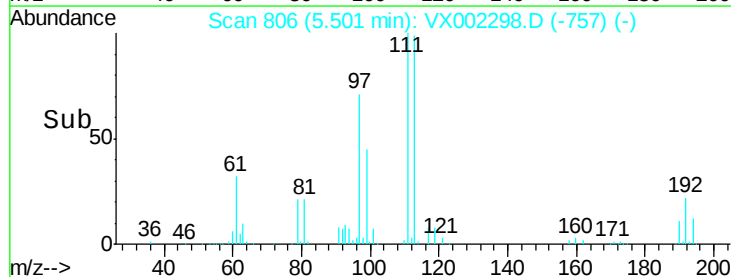
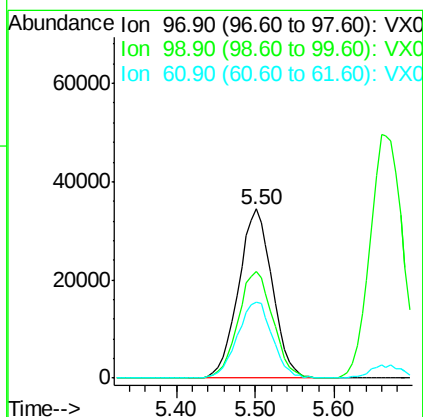
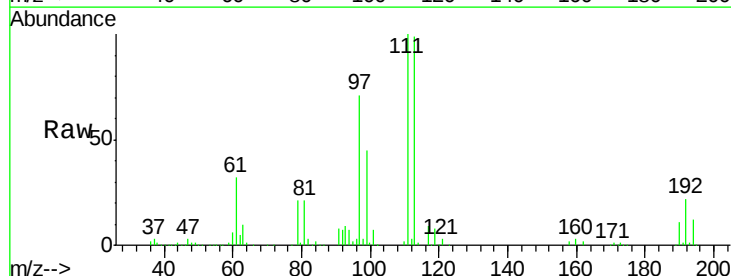
Instrument :
MSVOA_X
ClientSampled :

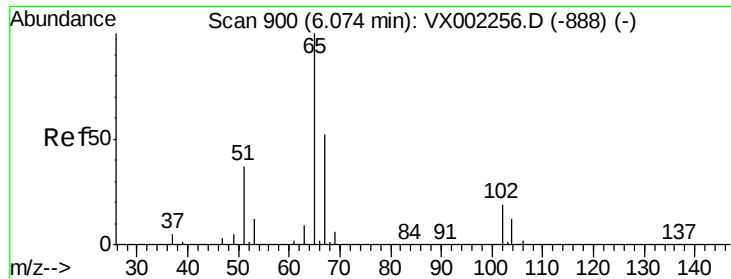
Tot Ion: 56 Resp: 107591
Ion Ratio Lower Upper
56 100
69 27.7 23.7 35.5
84 82.1 64.1 96.1



#32
1,1,1-Trichloroethane
Concen: 19.52 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 97 Resp: 102614
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 46.5 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 47.57 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

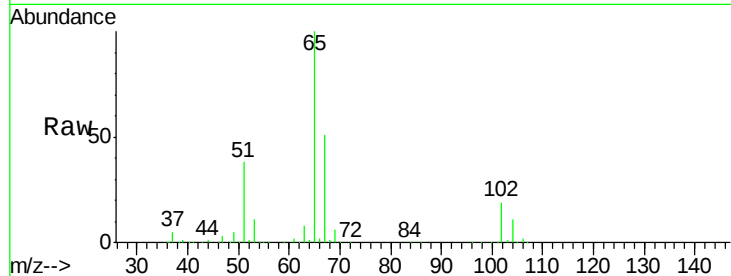
ClientSampled :

Tot Ion: 65 Resp: 192041

Ion Ratio Lower Upper

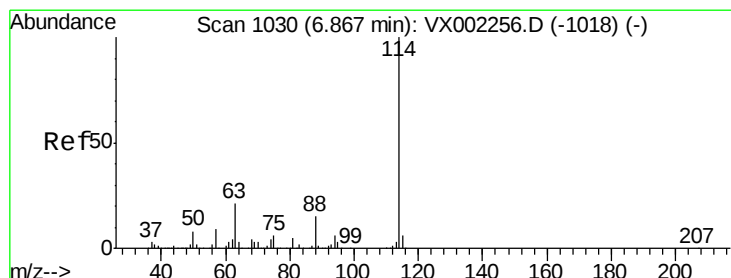
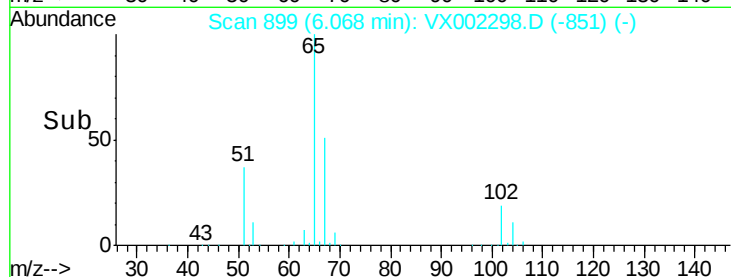
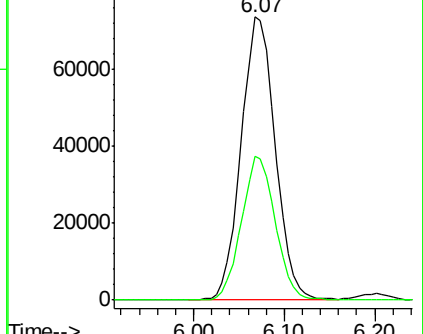
65 100

67 50.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

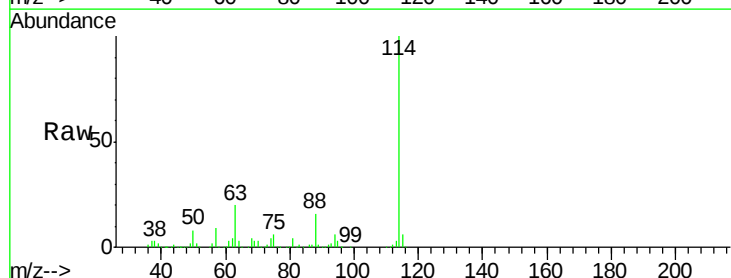
Tgt Ion: 114 Resp: 401952

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

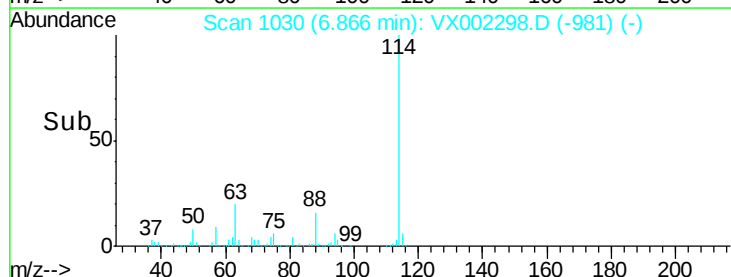
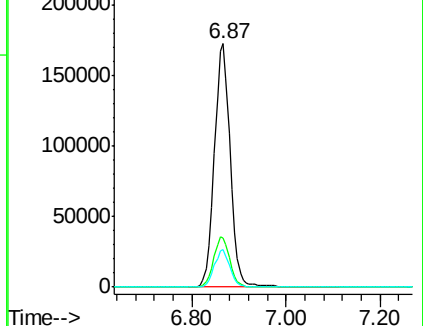
88 15.6 0.0 30.0

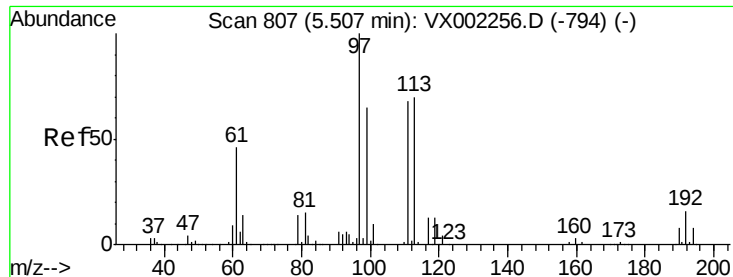


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

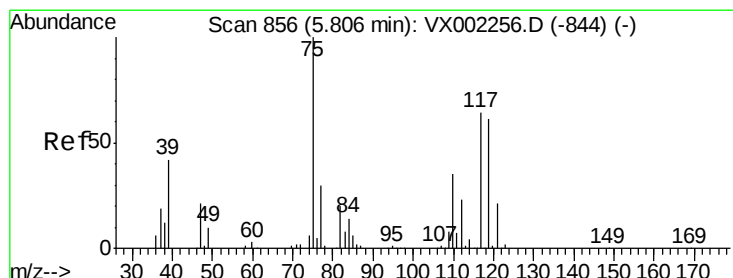
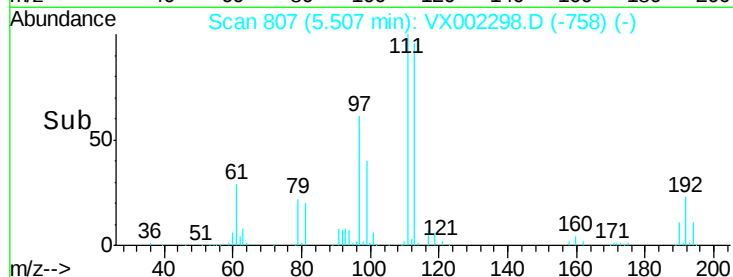
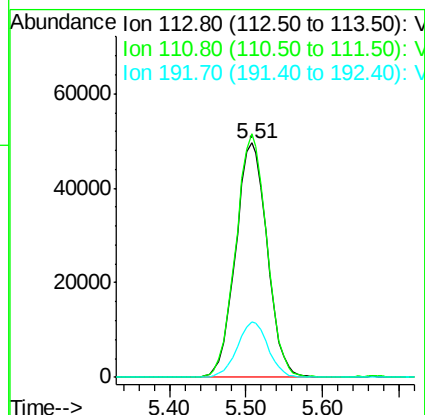
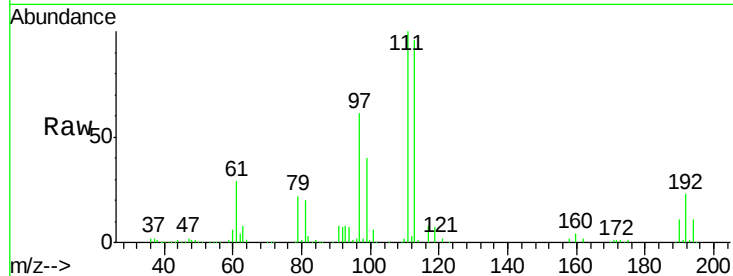




#35
 Dibromofluoromethane
 Concen: 44.90 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

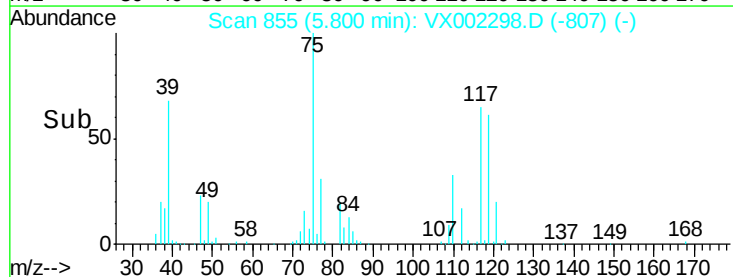
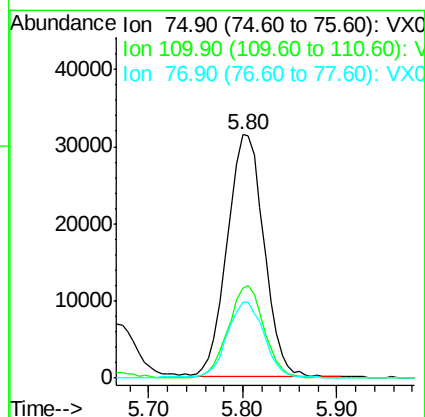
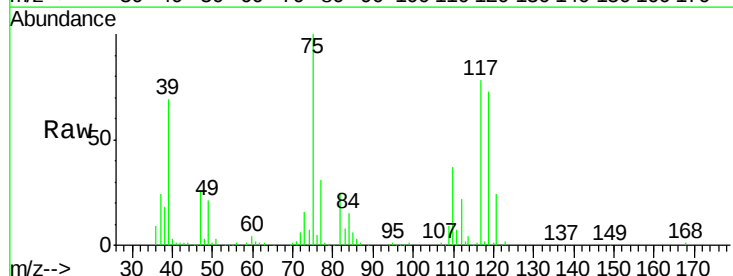
Instrument :
 MSVOA_X
 ClientSampleId :

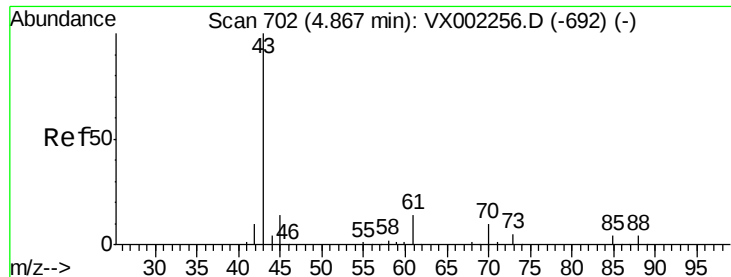
Tot Ion:113 Resp: 141921
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.0
 192 23.1 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 20.19 ug/l
 RT: 5.80 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion: 75 Resp: 85335
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.1 54.4
 77 31.4 24.3 36.5

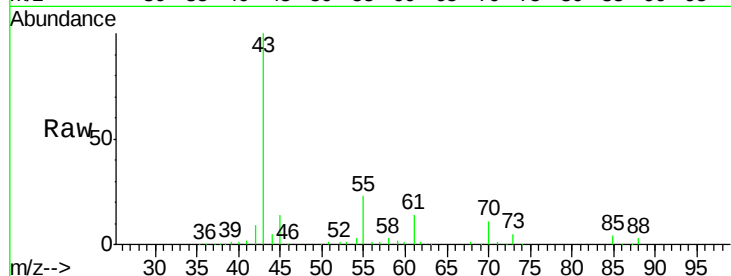




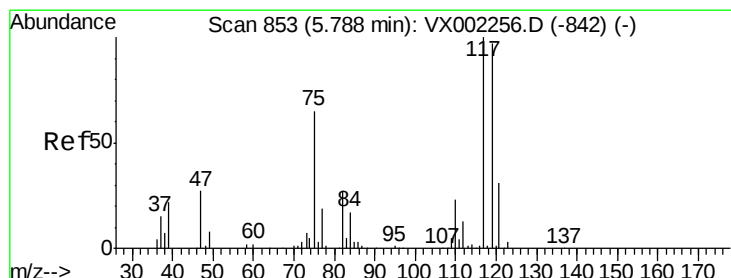
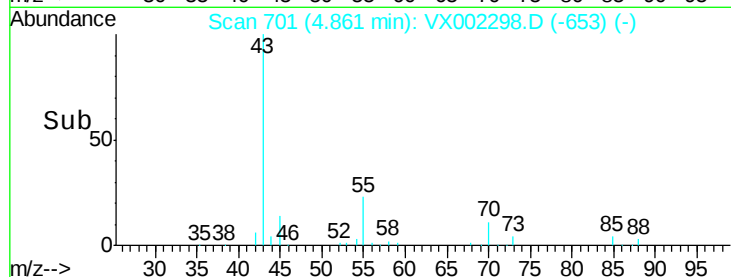
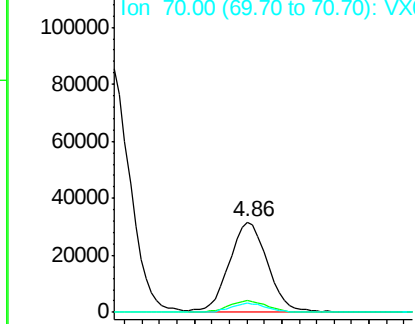
#37
Ethyl Acetate
Concen: 18.54 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleID :

Tot Ion: 43 Resp: 94214
Ion Ratio Lower Upper
43 100
61 13.2 10.4 15.6
70 9.8 7.6 11.4

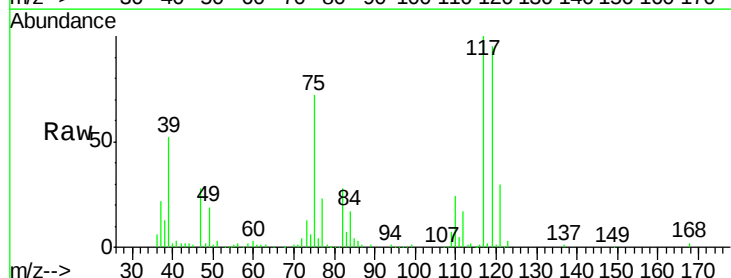


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

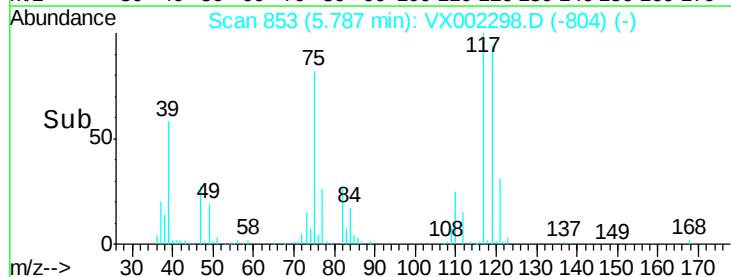
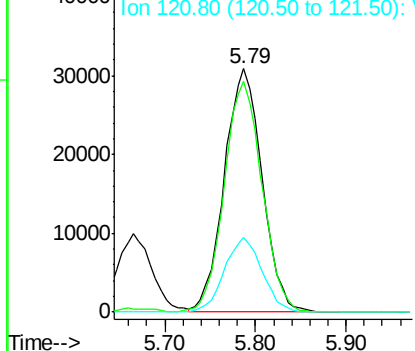


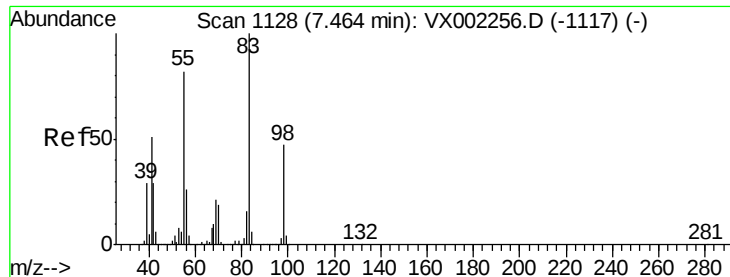
#38
Carbon Tetrachloride
Concen: 20.15 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 117 Resp: 89061
Ion Ratio Lower Upper
117 100
119 94.6 77.4 116.0
121 30.5 24.4 36.6



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

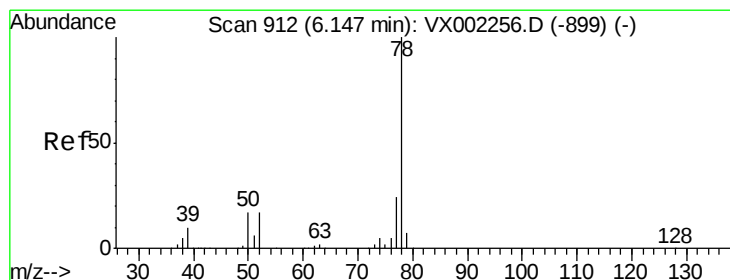
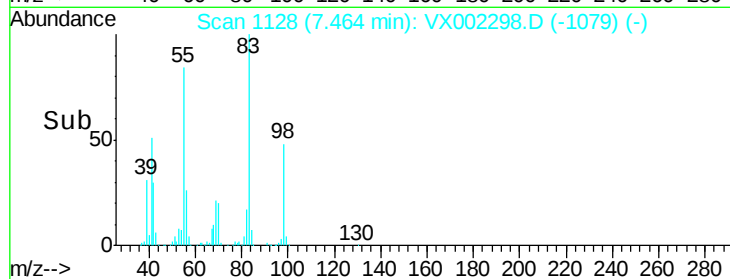
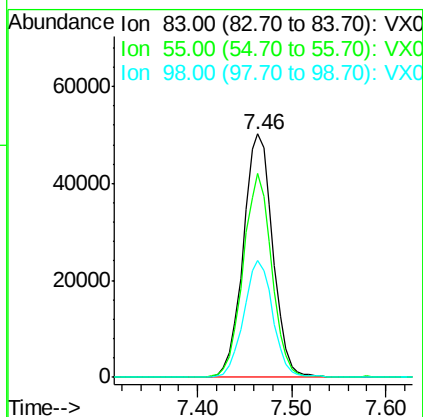
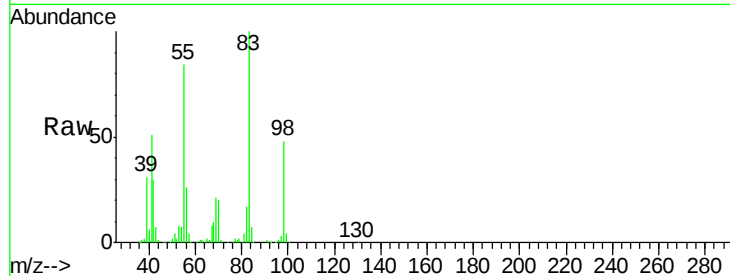




#39
Methvlcvclohexane
Concen: 21.28 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

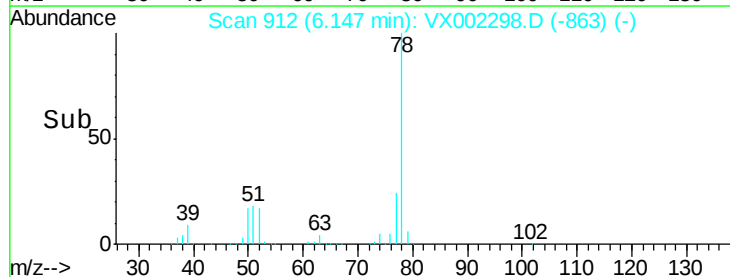
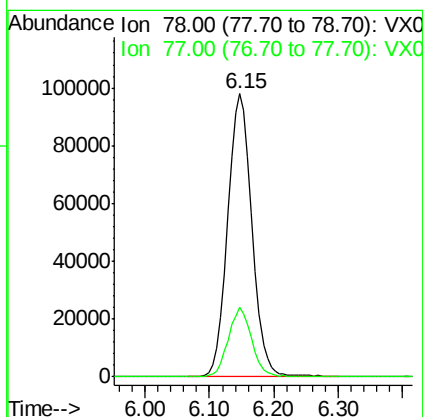
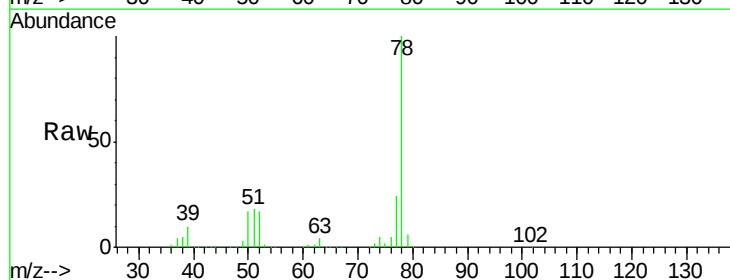
Instrument :
MSVOA_X
ClientSampleId :

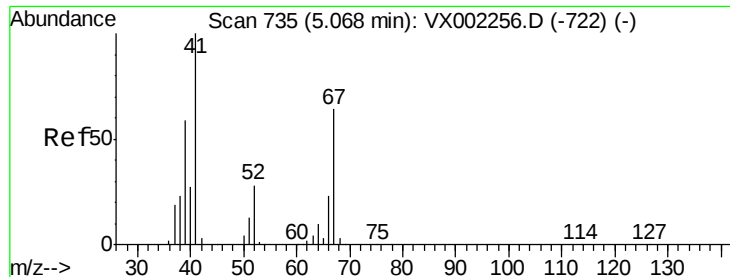
Tot Ion: 83 Resp: 110291
Ion Ratio Lower Upper
83 100
55 83.7 65.4 98.0
98 47.8 37.4 56.0



#40
Benzene
Concen: 20.08 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 78 Resp: 260180
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7





#41

Methacrylonitrile

Concen: 18.45 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 53664

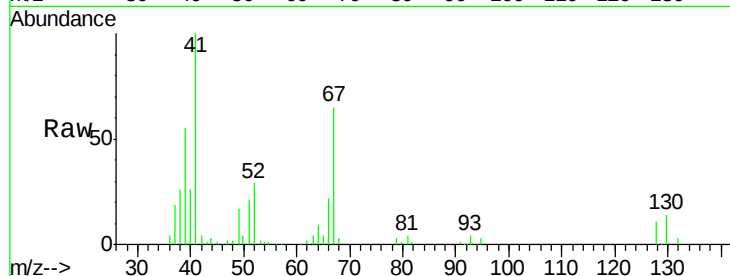
Ion Ratio Lower Upper

41 100

39 56.9 45.8 68.6

67 65.6 51.3 76.9

52 29.9 23.0 34.6

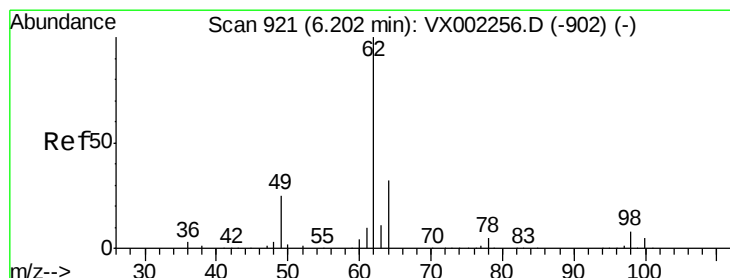
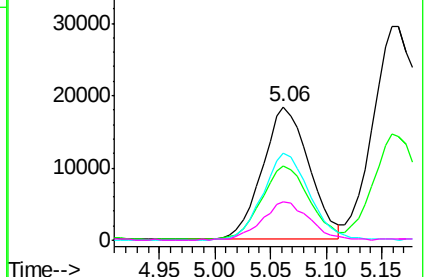
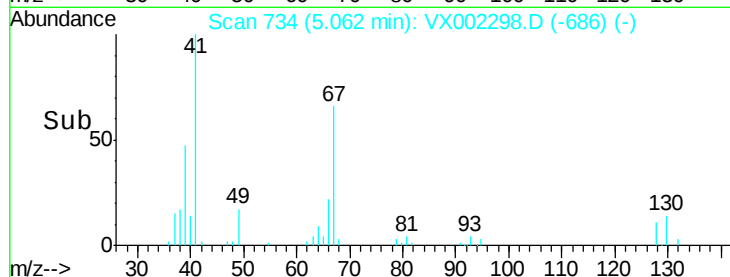


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 19.64 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.00 min

Lab File: VX002298.D

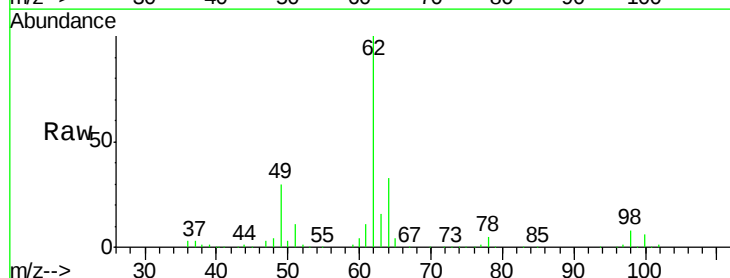
Acq: 05 Jun 2018 11:50

Tgt Ion: 62 Resp: 101121

Ion Ratio Lower Upper

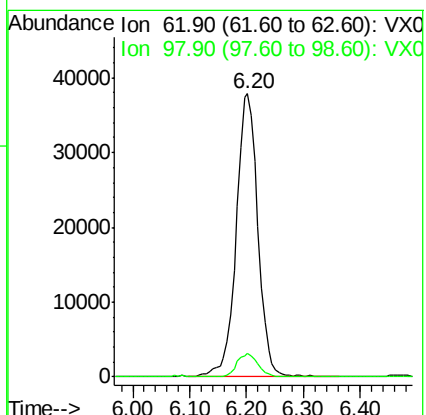
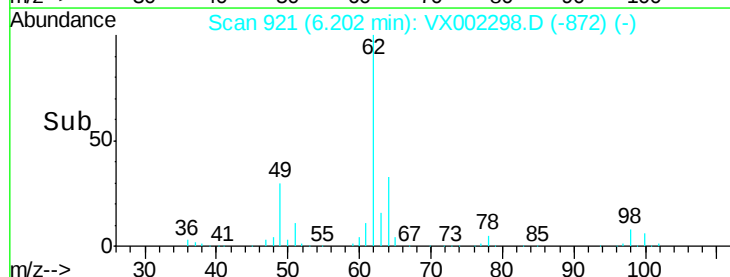
62 100

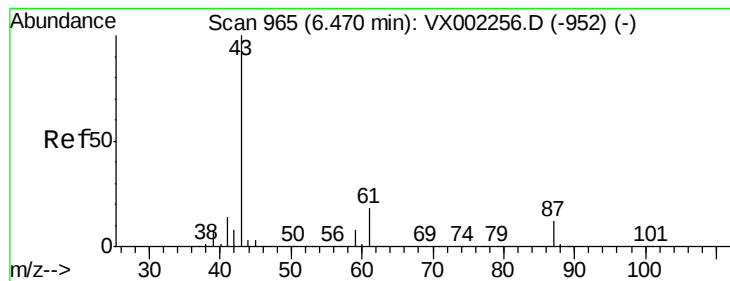
98 8.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



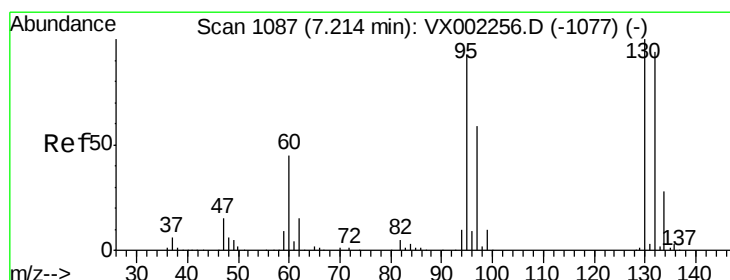
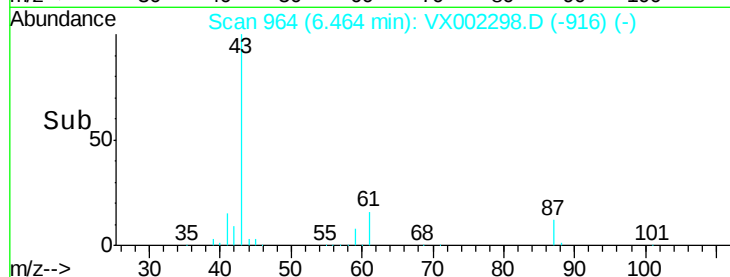
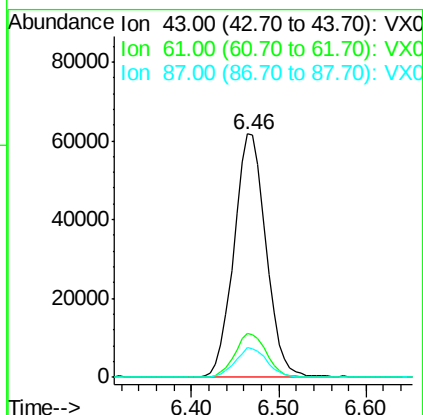
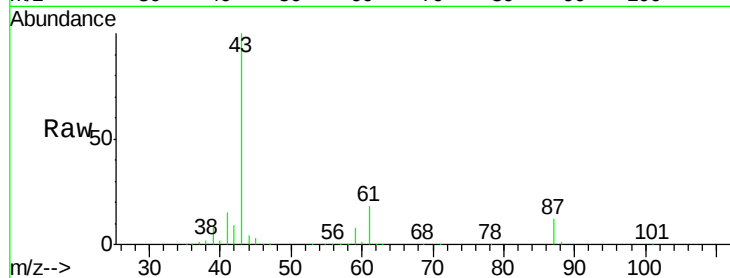


#43

Isopropyl Acetate
 Concen: 18.26 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Instrument :
 MSVOA_X
 ClientSampled :

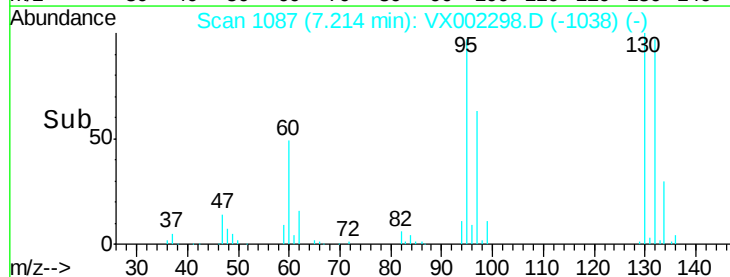
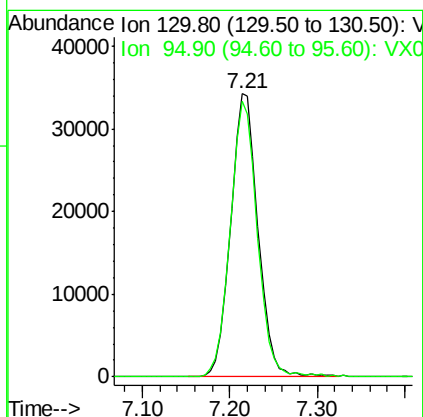
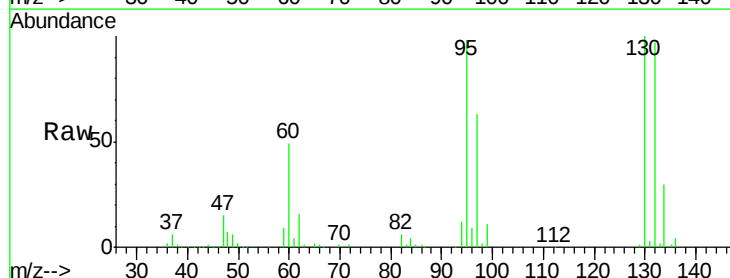
Tot Ion: 43 Resp: 157636
 Ion Ratio Lower Upper
 43 100
 61 17.9 14.4 21.6
 87 11.9 9.5 14.3

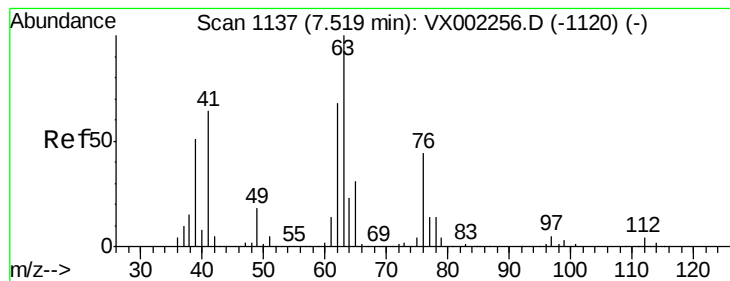


#44

Trichloroethene
 Concen: 20.76 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion:130 Resp: 74659
 Ion Ratio Lower Upper
 130 100
 95 97.6 0.0 185.4





#45

1,2-Dichloropropane

Concen: 19.71 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

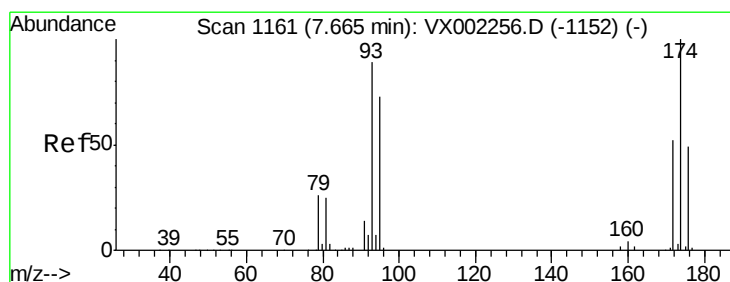
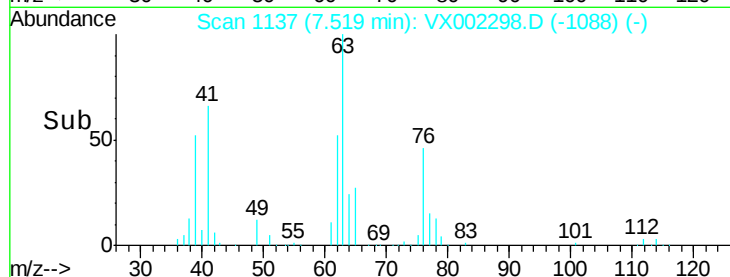
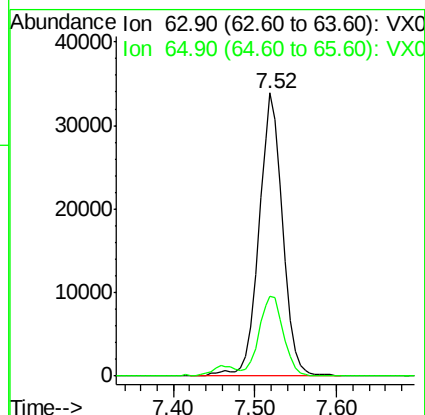
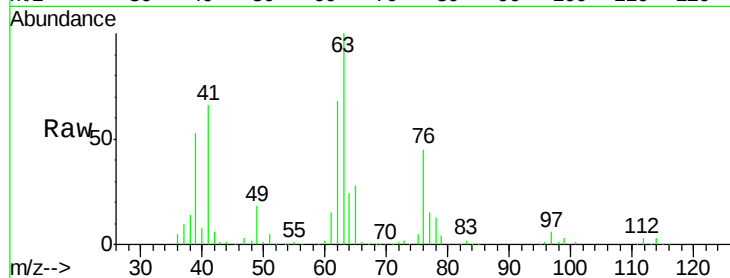
ClientSampleId :

Tot Ion: 63 Resp: 68934

Ion Ratio Lower Upper

63 100

65 28.1 24.7 37.1



#46

Dibromomethane

Concen: 18.85 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

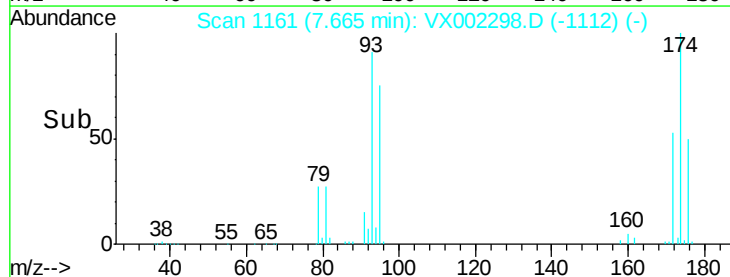
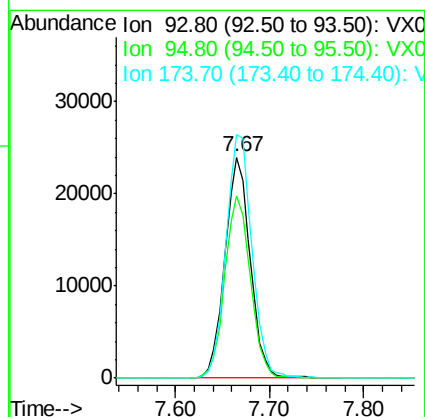
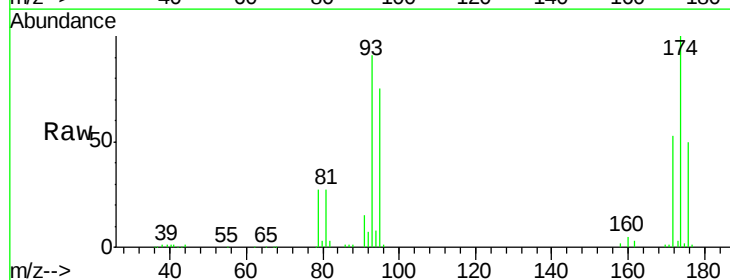
Tgt Ion: 93 Resp: 44690

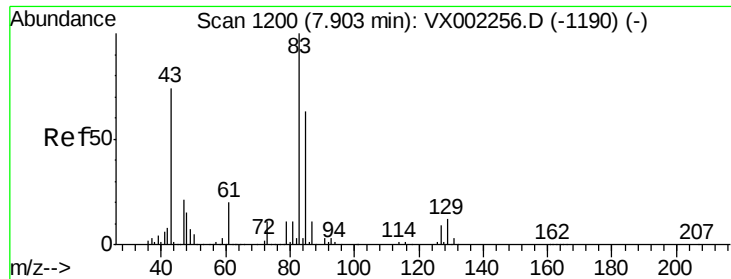
Ion Ratio Lower Upper

93 100

95 83.7 65.9 98.9

174 113.4 92.4 138.6

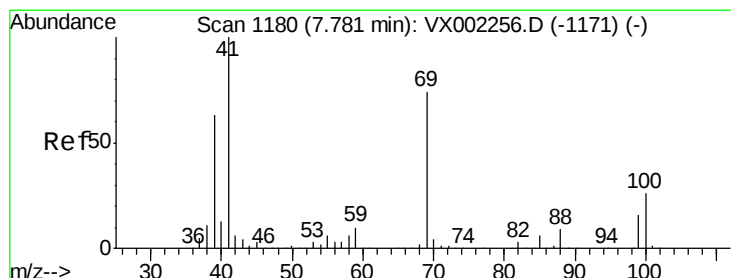
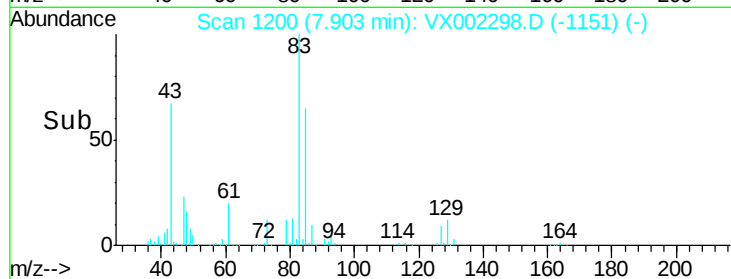
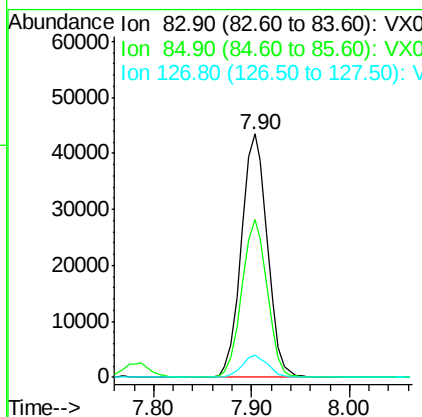
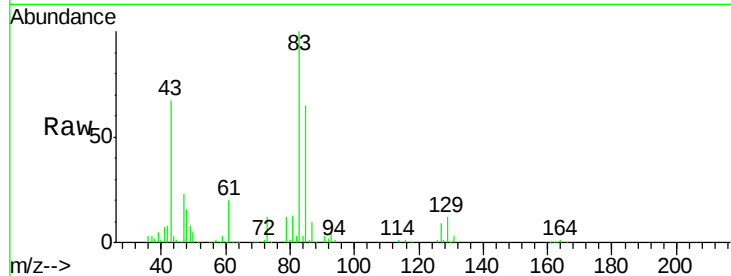




#47
 Bromodichloromethane
 Concen: 18.64 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

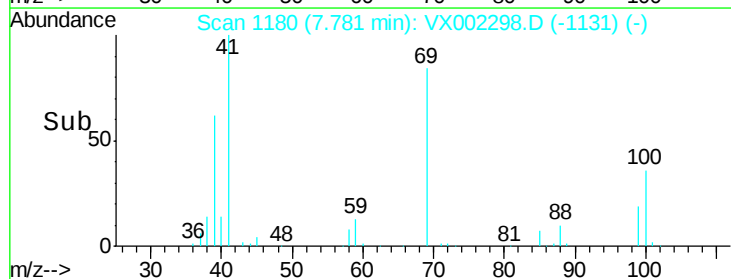
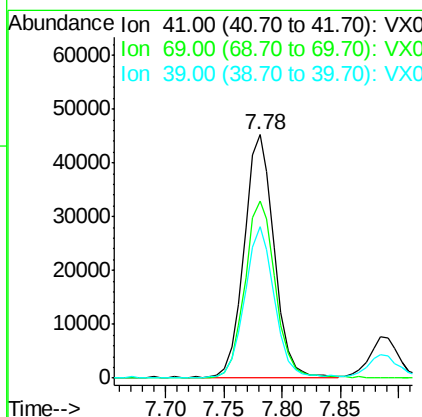
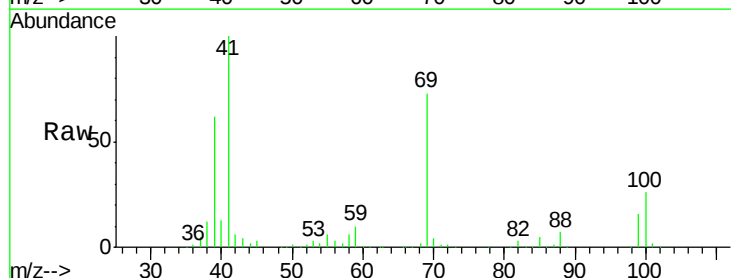
Instrument :
 MSVOA_X
 ClientSampleId :

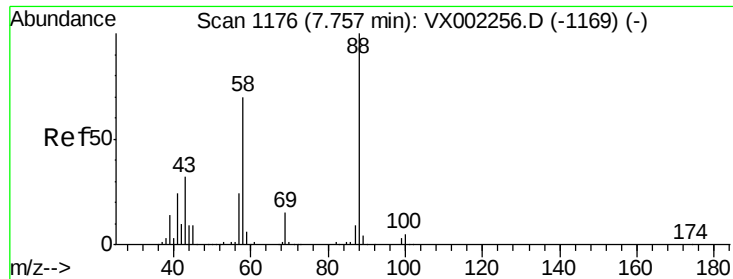
Tot Ion: 83 Resp: 79958
 Ion Ratio Lower Upper
 83 100
 85 65.0 50.3 75.5
 127 9.1 7.0 10.4



#48
 Methyl methacrylate
 Concen: 18.55 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion: 41 Resp: 80446
 Ion Ratio Lower Upper
 41 100
 69 74.8 59.1 88.7
 39 61.2 48.9 73.3

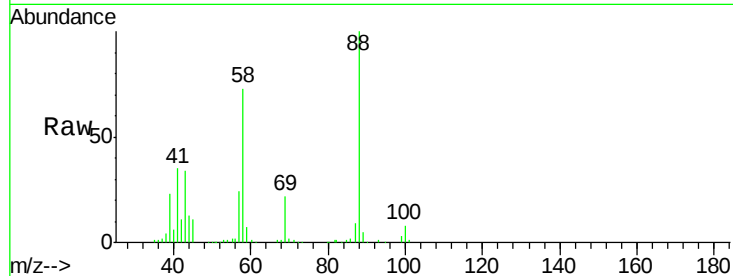




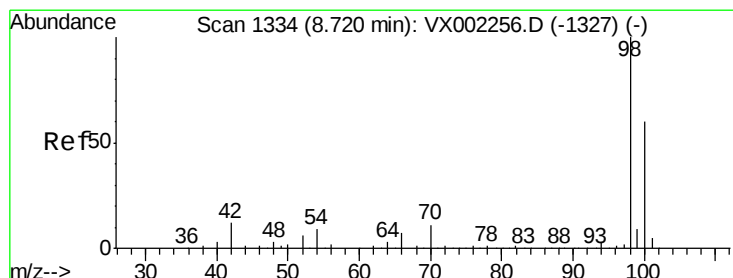
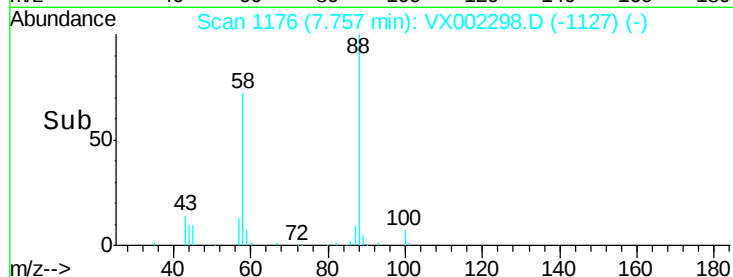
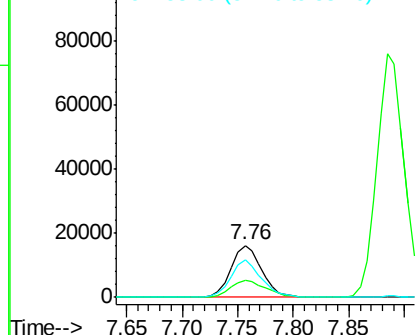
#49
1,4-Dioxane
Concen: 376.17 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 30495
Ion Ratio Lower Upper
88 100
43 36.4 29.8 44.6
58 73.6 57.1 85.7

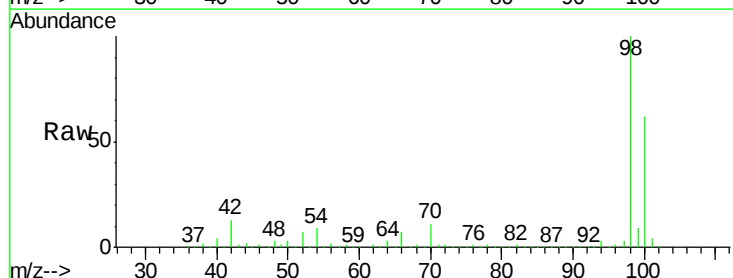


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

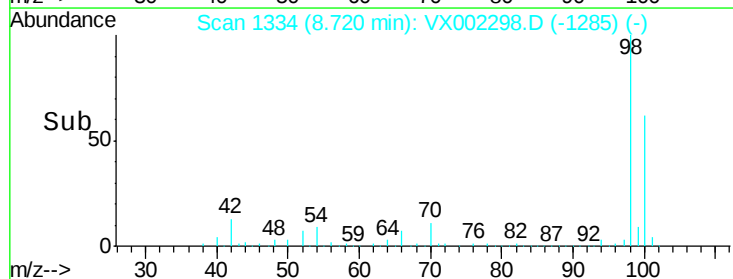
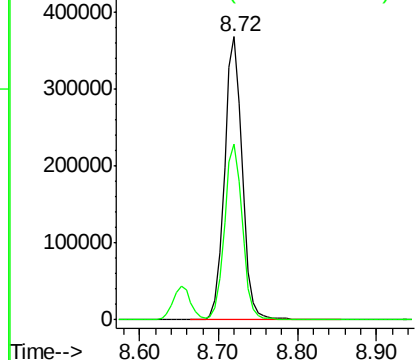


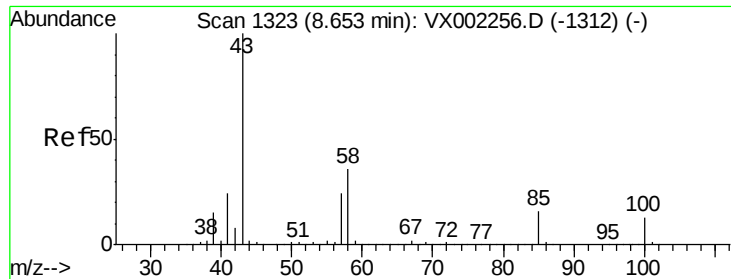
#50
Toluene-d8
Concen: 47.10 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 98 Resp: 570642
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



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: 93.58 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

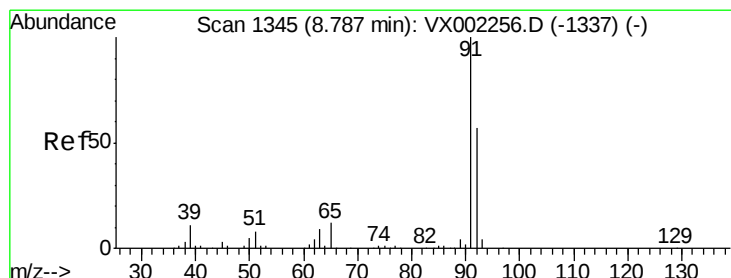
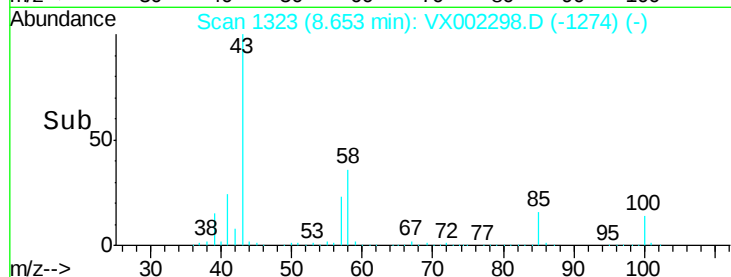
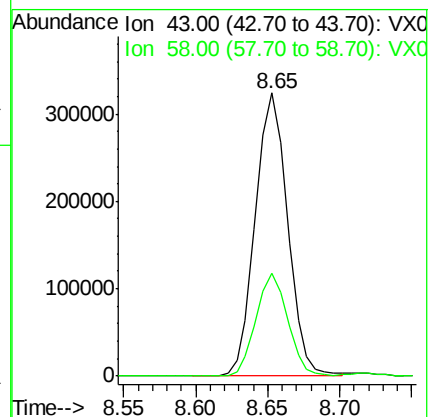
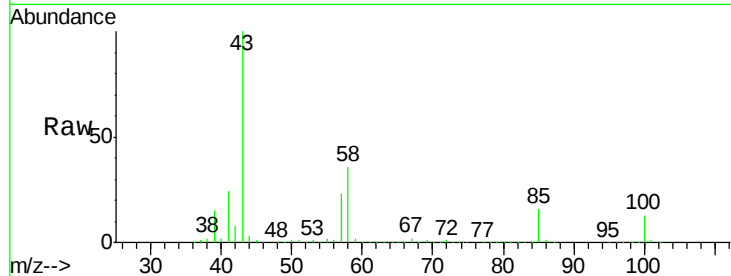
ClientSampleId :

Tot Ion: 43 Resp: 502993

Ion Ratio Lower Upper

43 100

58 35.7 28.6 42.8



#52

Toluene

Concen: 20.45 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002298.D

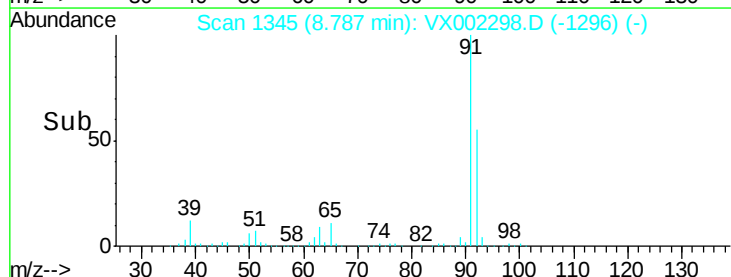
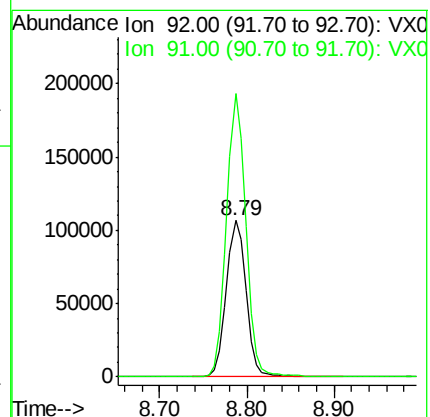
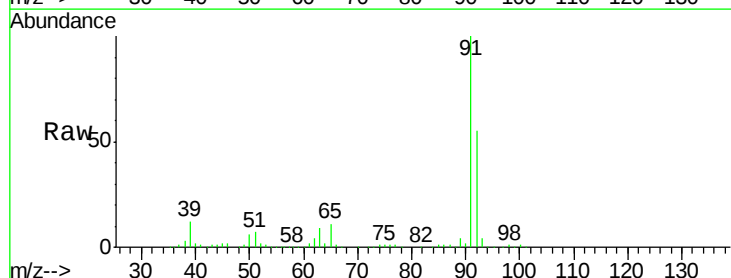
Acq: 05 Jun 2018 11:50

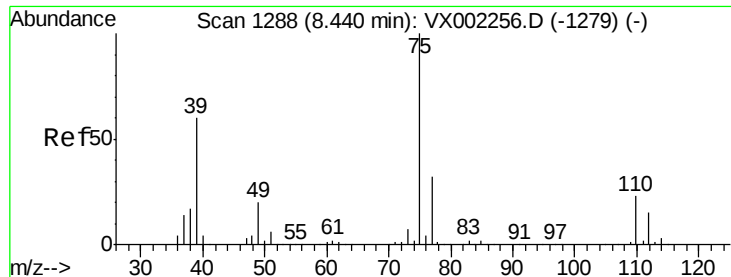
Tgt Ion: 92 Resp: 168486

Ion Ratio Lower Upper

92 100

91 176.1 140.4 210.6

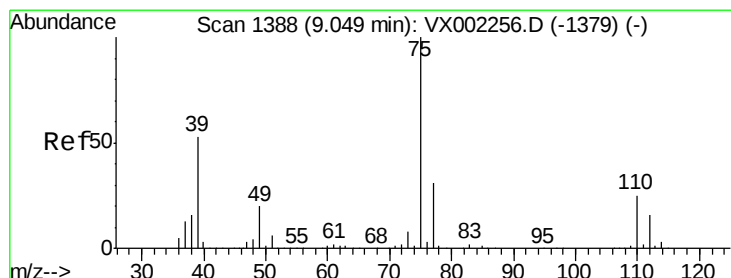
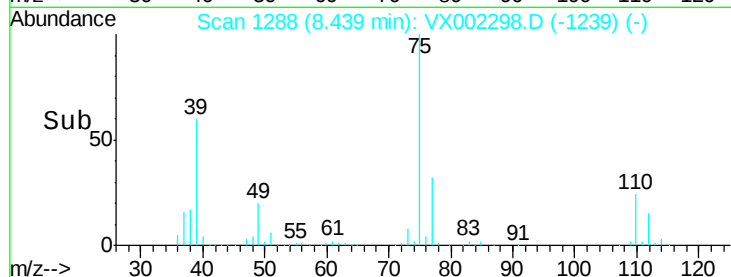
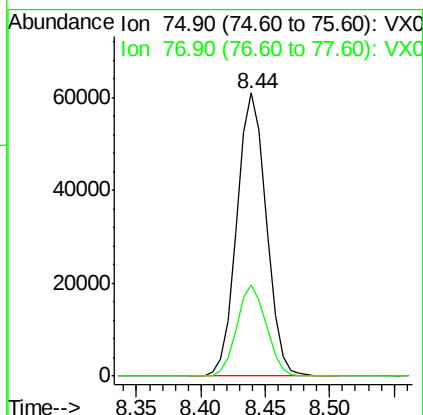
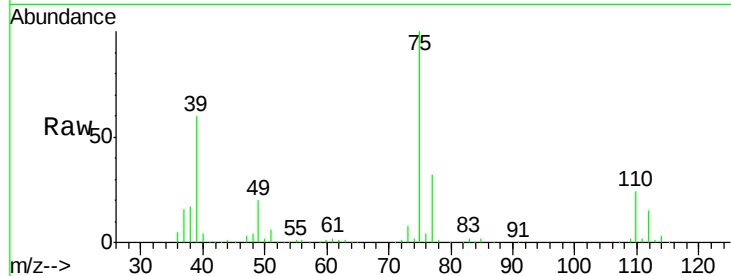




#53
t-1,3-Dichloropropene
Concen: 18.79 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

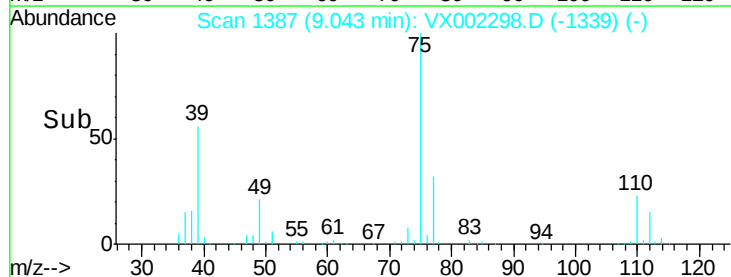
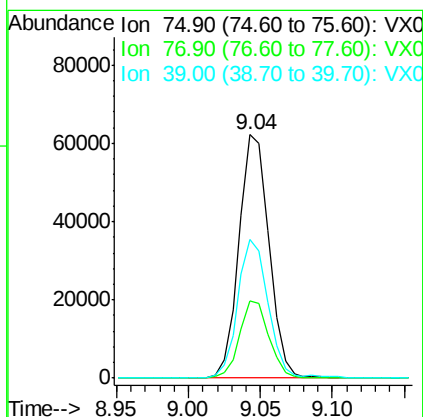
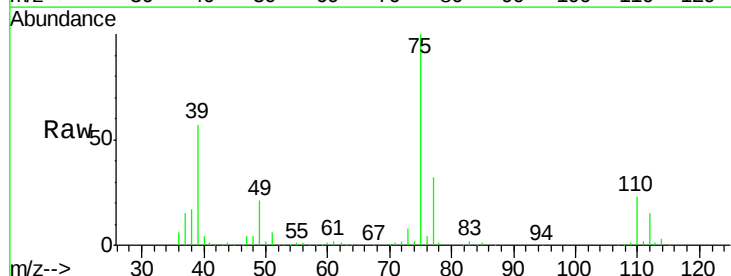
Instrument :
MSVOA_X
ClientSampleId :

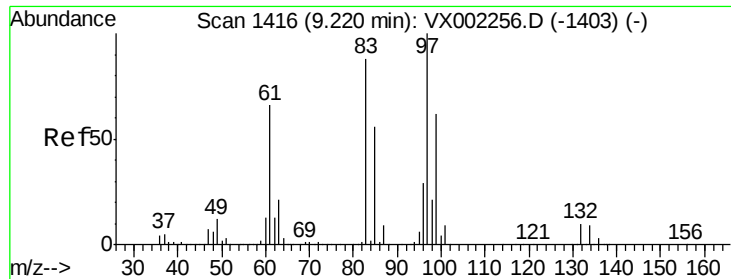
Tot Ion: 75 Resp: 96635
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 18.66 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 75 Resp: 90536
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2
39 56.5 42.4 63.6

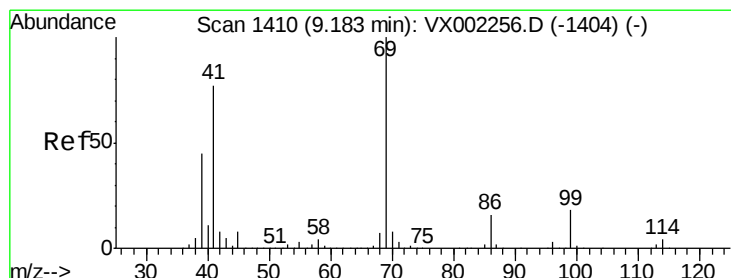
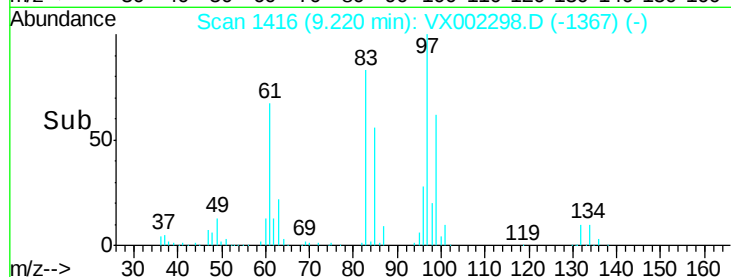
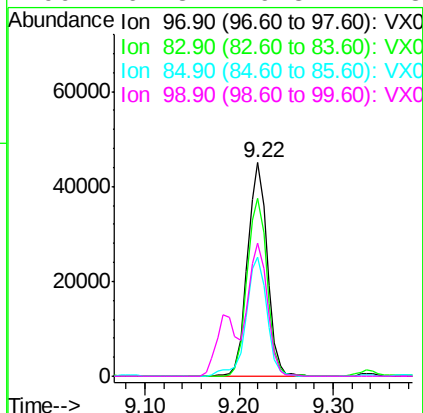
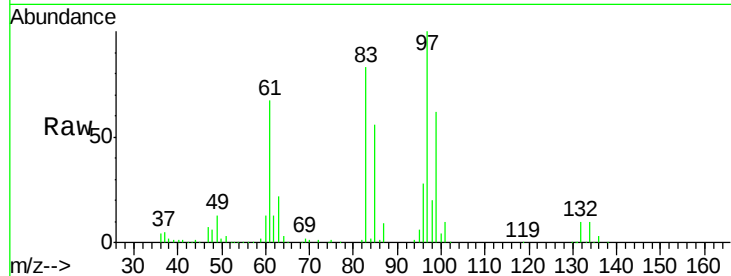




#55
 1,1,2-Trichloroethane
 Concen: 19.61 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

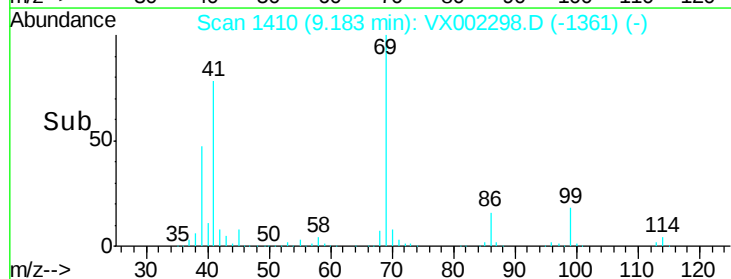
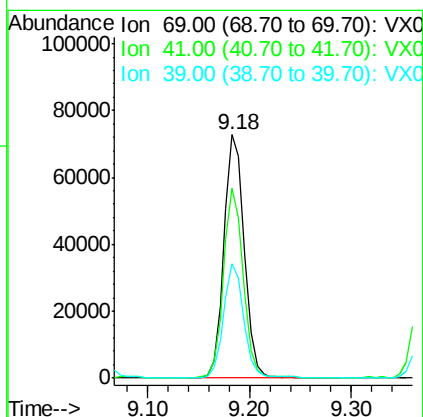
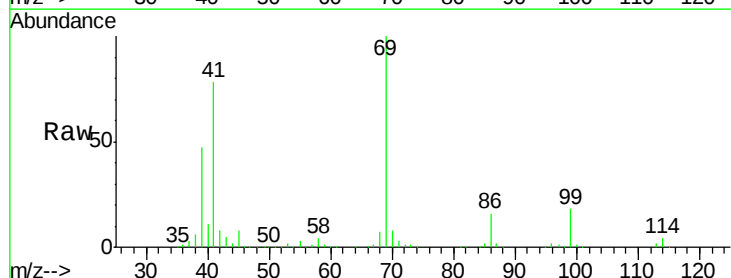
Instrument :
 MSVOA_X
 ClientSampleId :

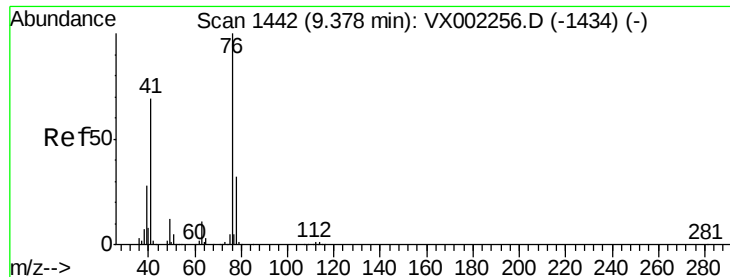
Tot Ion: 97 Resp: 66464
 Ion Ratio Lower Upper
 97 100
 83 83.2 70.2 105.2
 85 55.9 44.9 67.3
 99 62.3 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 18.58 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion: 69 Resp: 100541
 Ion Ratio Lower Upper
 69 100
 41 75.7 60.3 90.5
 39 46.5 35.8 53.8





#57

1,3-Dichloropropane

Concen: 19.58 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

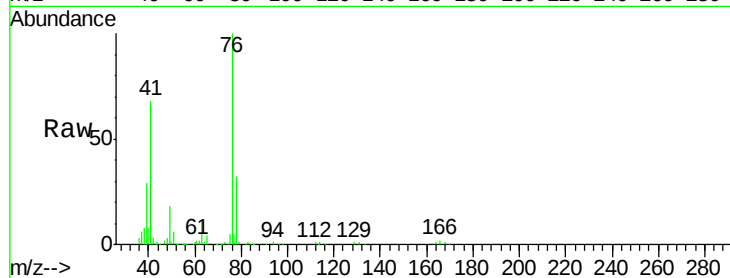
ClientSampleId :

Tot Ion: 76 Resp: 111335

Ion Ratio Lower Upper

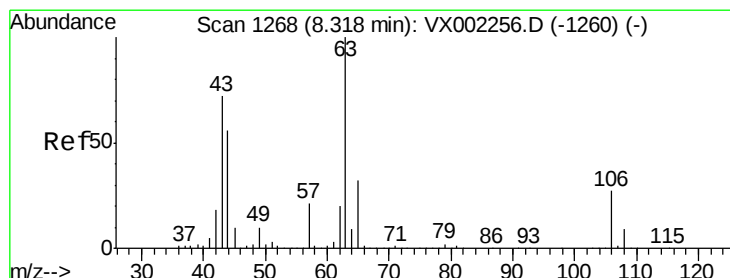
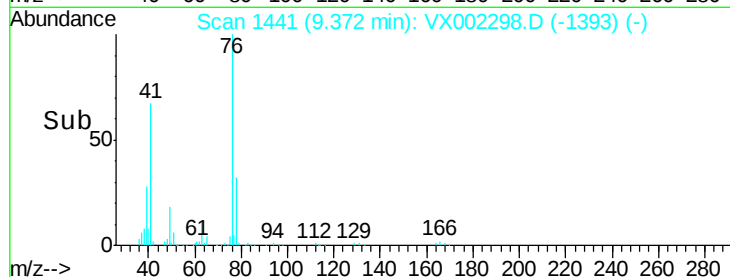
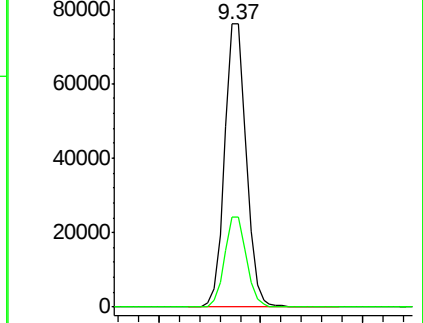
76 100

78 32.3 25.8 38.6



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: 97.08 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002298.D

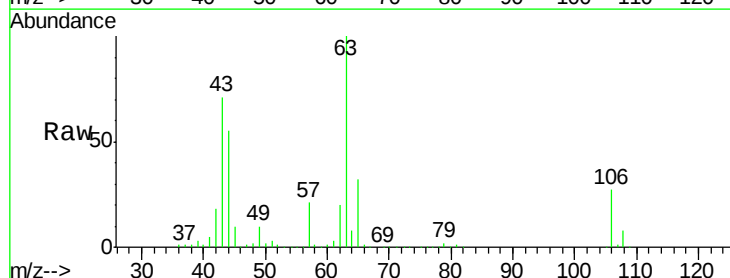
Acq: 05 Jun 2018 11:50

Tgt Ion: 63 Resp: 243136

Ion Ratio Lower Upper

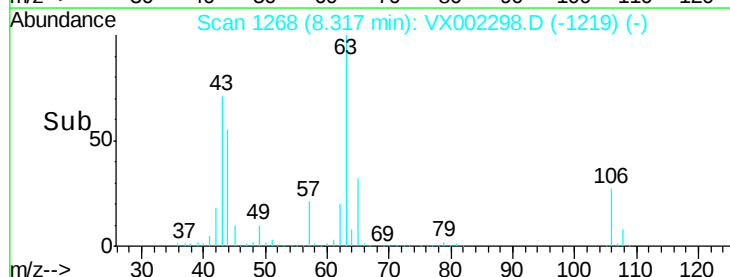
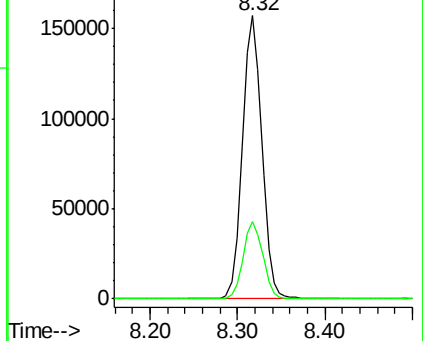
63 100

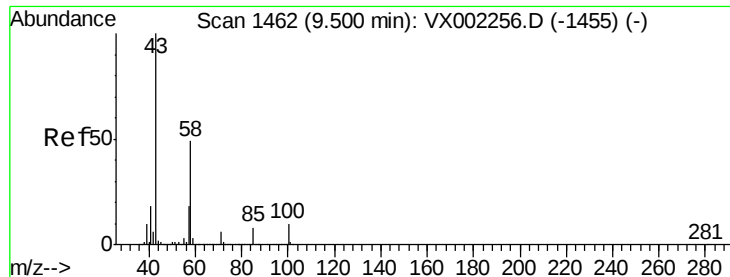
106 27.5 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

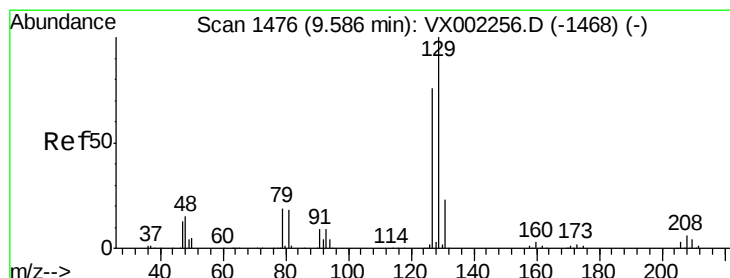
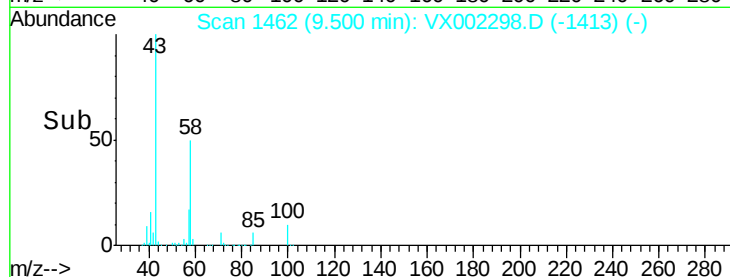
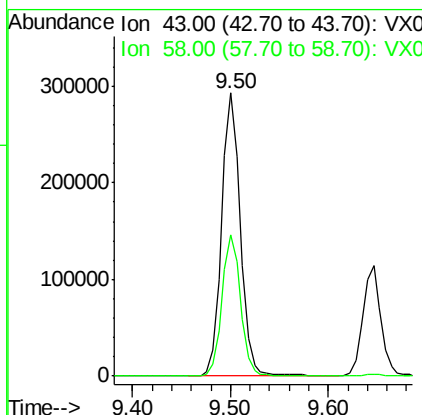
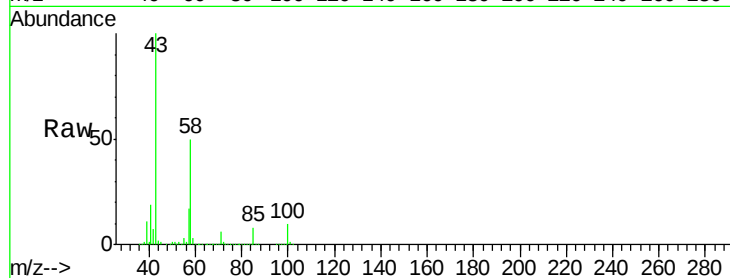




#59
2-Hexanone
Concen: 93.45 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

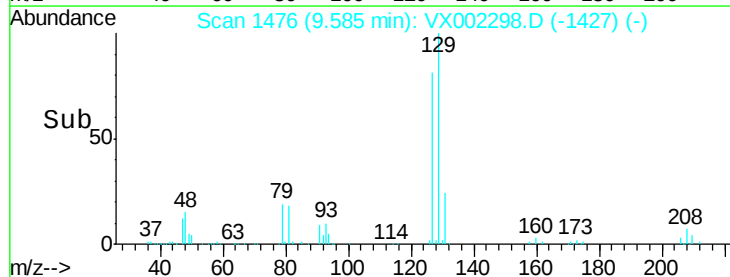
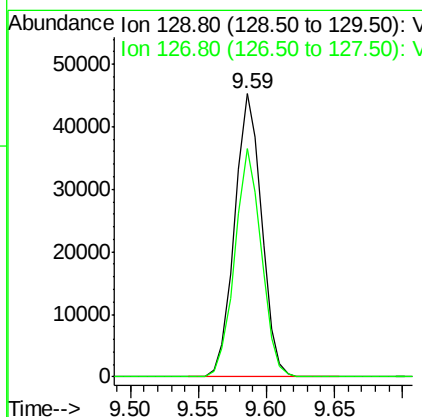
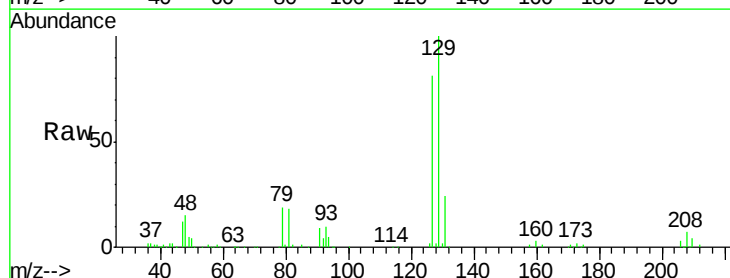
Instrument :
MSVOA_X
ClientSampleId :

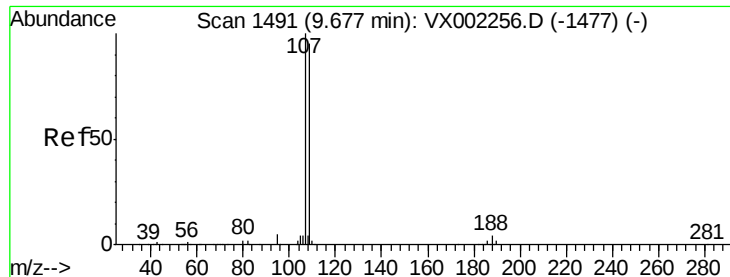
Tot Ion: 43 Resp: 388000
Ion Ratio Lower Upper
43 100
58 49.9 24.6 73.6



#60
Dibromochloromethane
Concen: 18.39 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 129 Resp: 62695
Ion Ratio Lower Upper
129 100
127 79.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.74 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

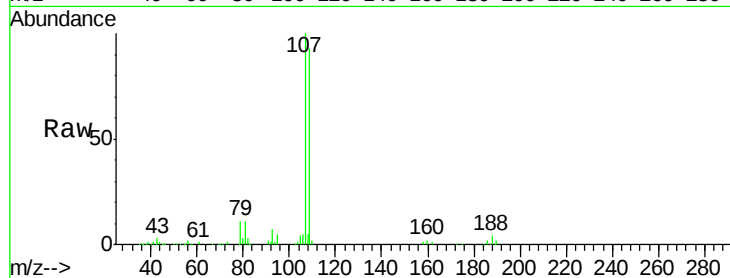
ClientSampleId :

Tot Ion:107 Resp: 69762

Ion Ratio Lower Upper

107 100

109 94.1 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

30000

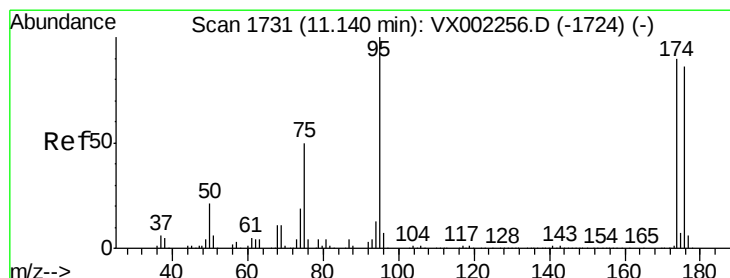
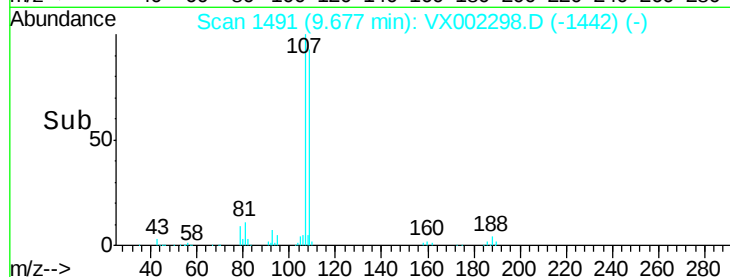
20000

10000

0

Time-->

9.60 9.65 9.70 9.75 9.80



#62

4-Bromofluorobenzene

Concen: 45.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

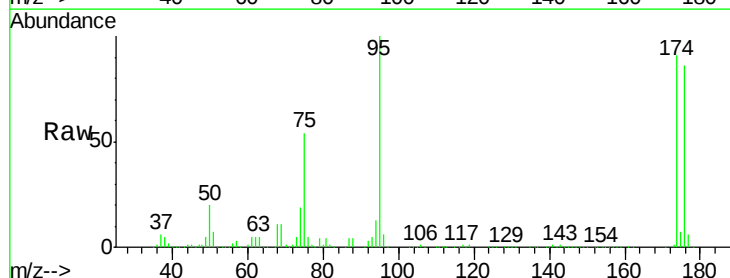
Tgt Ion: 95 Resp: 210990

Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.4

176 92.5 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

150000

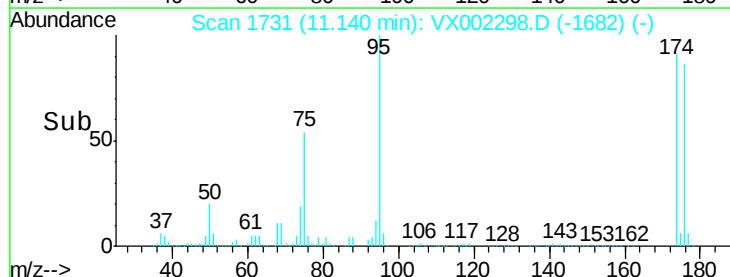
100000

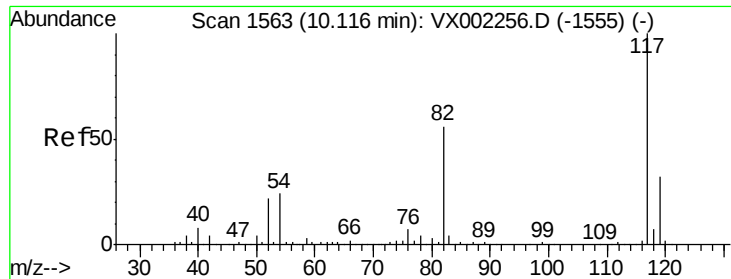
50000

0

Time-->

11.10 11.20

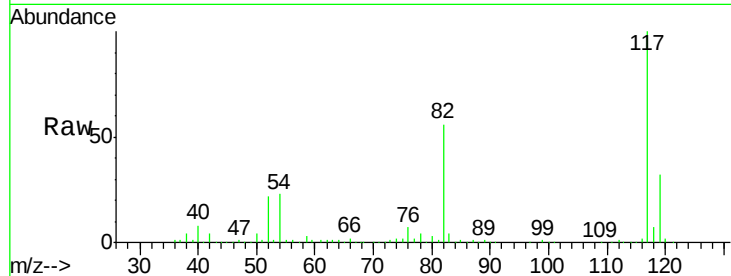




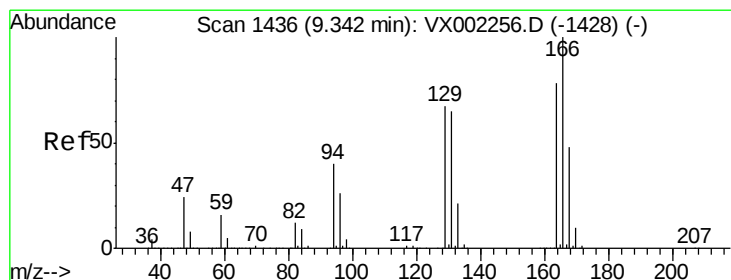
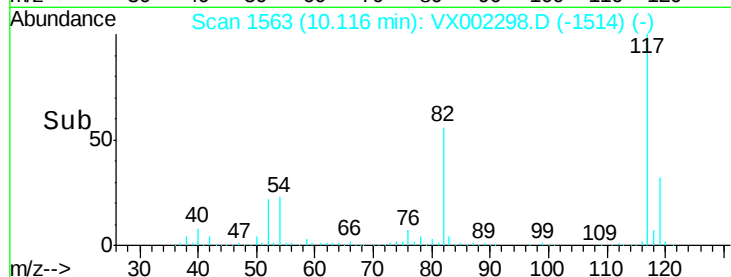
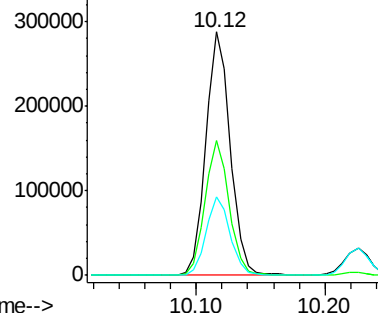
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 381684
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.4
119 32.3 25.8 38.6



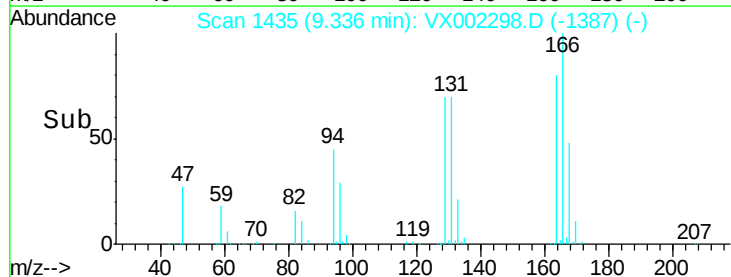
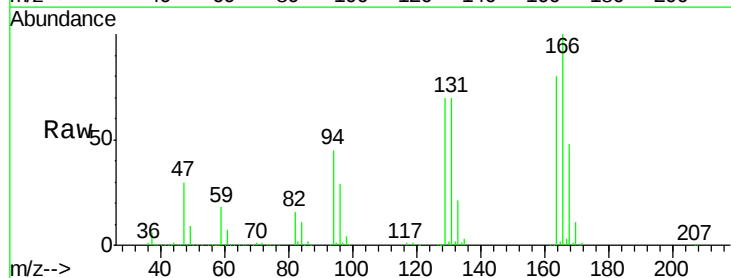
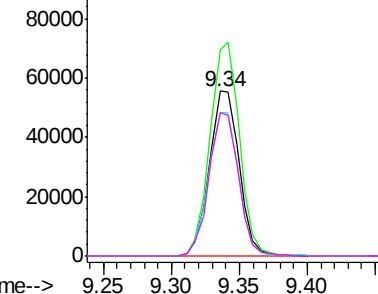
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

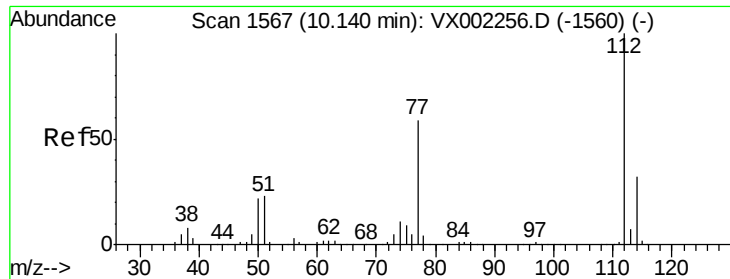


#64
Tetrachloroethene
Concen: 21.65 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion:164 Resp: 85234
Ion Ratio Lower Upper
164 100
166 124.8 102.9 154.3
129 87.1 68.6 102.8
131 86.9 66.8 100.2

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: 20.27 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

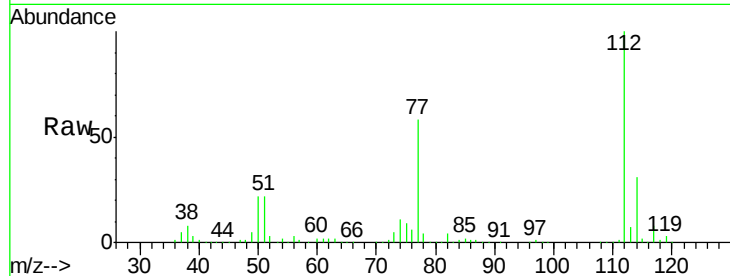
ClientSampleId :

Tot Ion:112 Resp: 192502

Ion Ratio Lower Upper

112 100

114 31.2 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

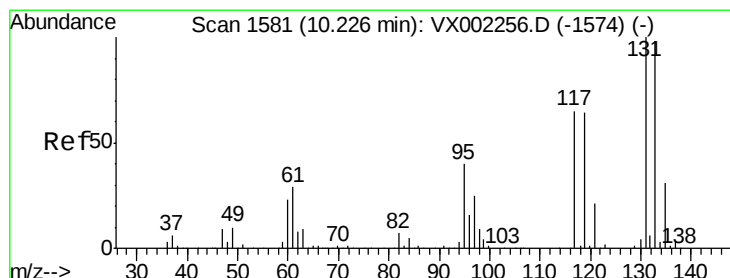
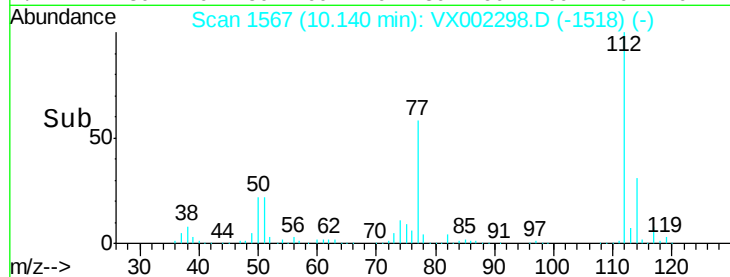
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.29 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

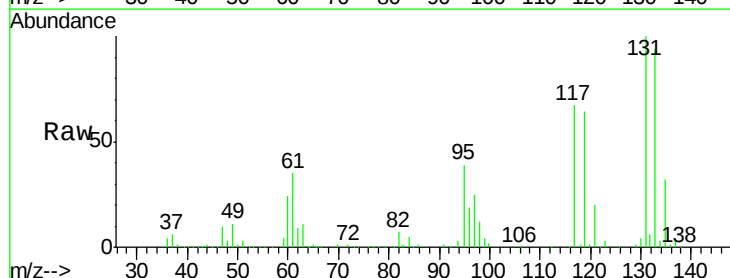
Tgt Ion:131 Resp: 66352

Ion Ratio Lower Upper

131 100

133 94.5 47.9 143.6

119 62.8 31.8 95.3



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

10.23

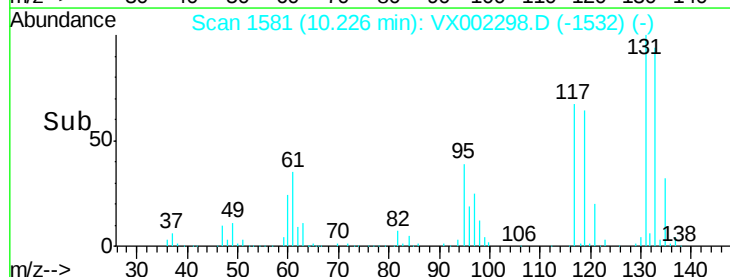
60000

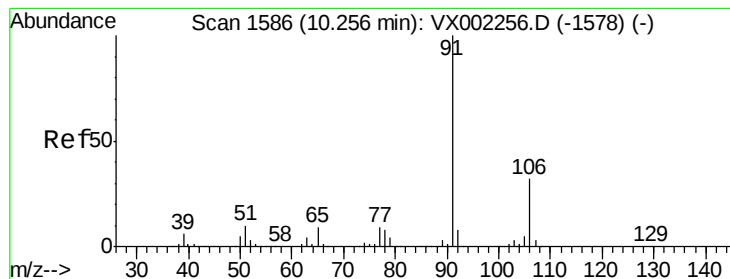
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 20.95 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

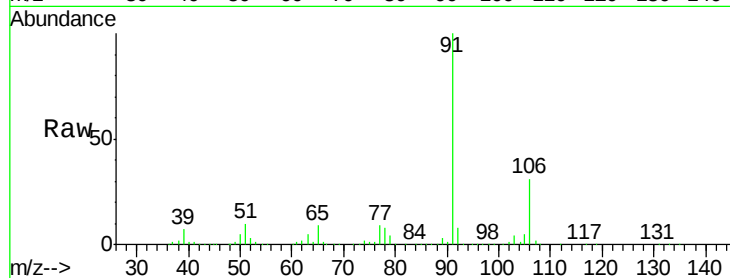
ClientSampleId :

Tot Ion: 91 Resp: 333005

Ion Ratio Lower Upper

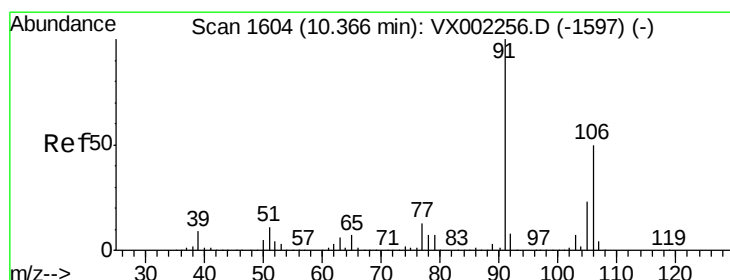
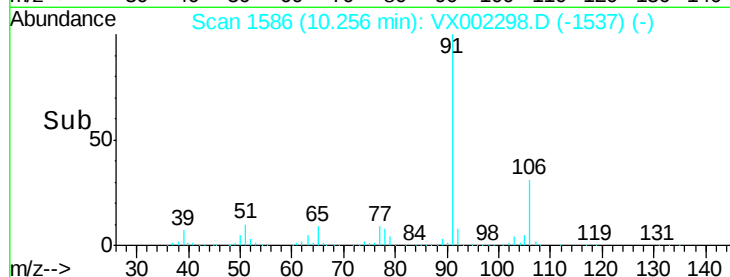
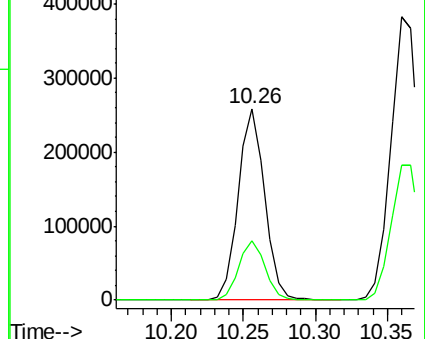
91 100

106 31.1 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.46 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002298.D

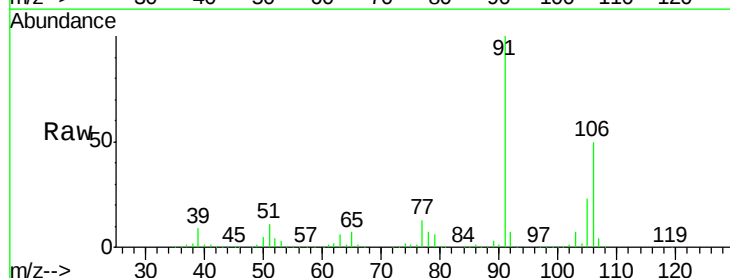
Acq: 05 Jun 2018 11:50

Tgt Ion: 106 Resp: 256140

Ion Ratio Lower Upper

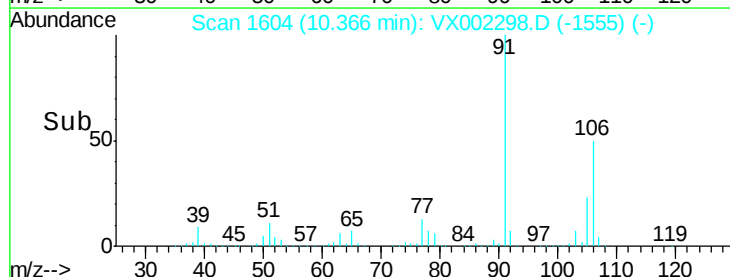
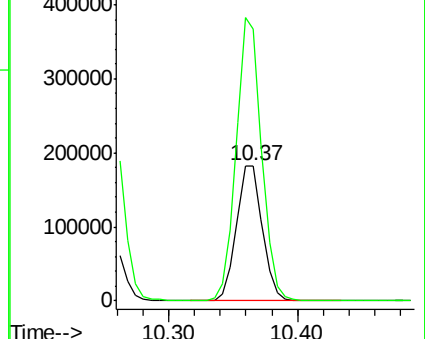
106 100

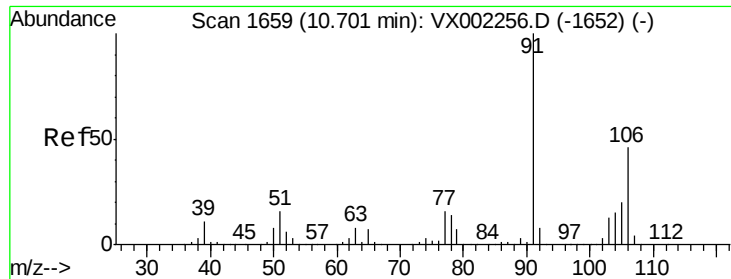
91 204.5 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

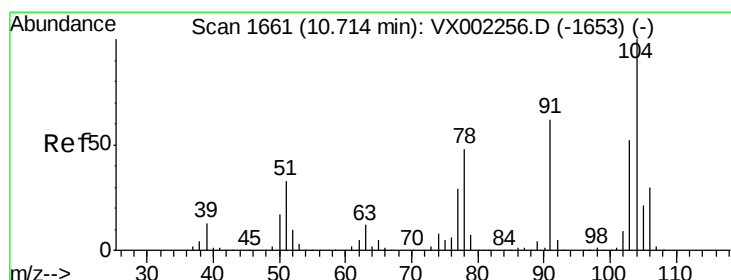
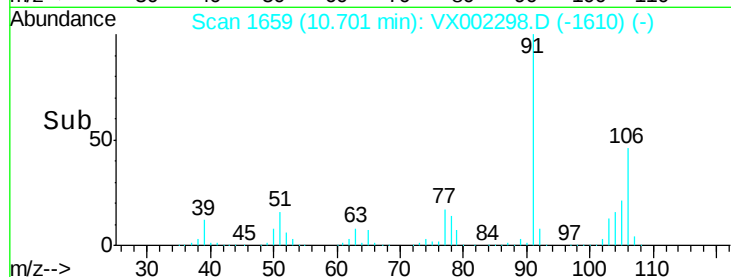
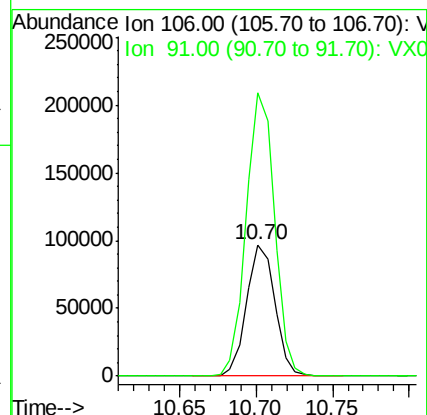
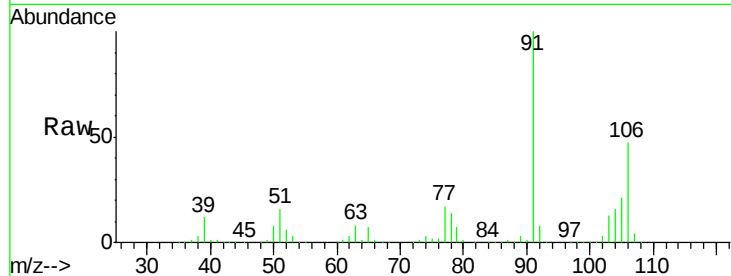




#69
o-Xylene
Concen: 20.34 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

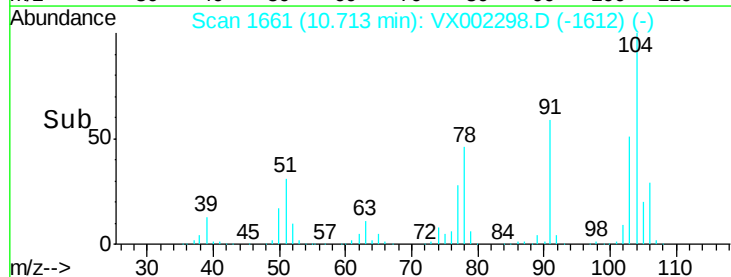
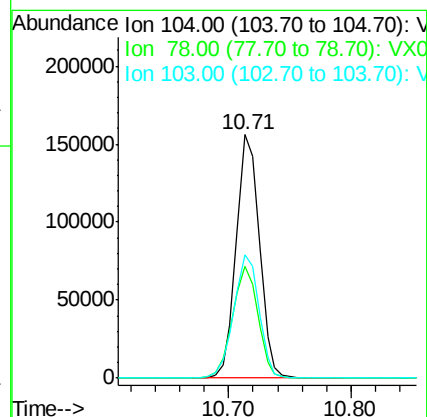
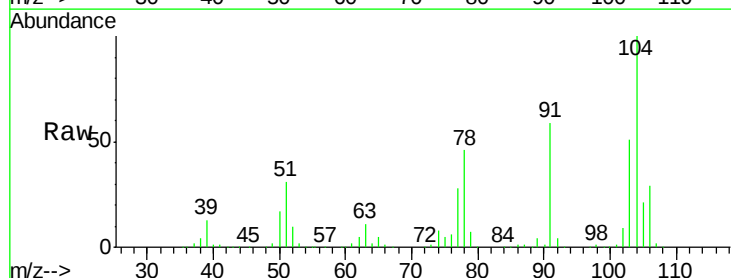
Instrument :
MSVOA_X
ClientSampled :

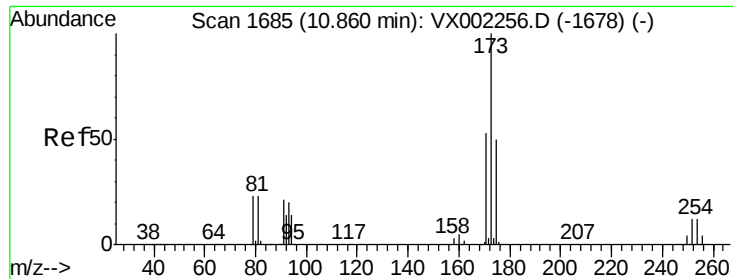
Tot Ion:106 Resp: 125045
Ion Ratio Lower Upper
106 100
91 216.1 108.2 324.6



#70
Styrene
Concen: 20.30 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion:104 Resp: 204069
Ion Ratio Lower Upper
104 100
78 50.7 41.0 61.6
103 55.3 44.2 66.4





#71

Bromoform

Concen: 17.44 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

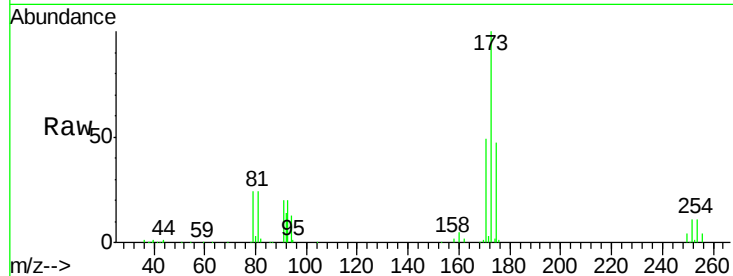
Tot Ion:173 Resp: 46249

Ion Ratio Lower Upper

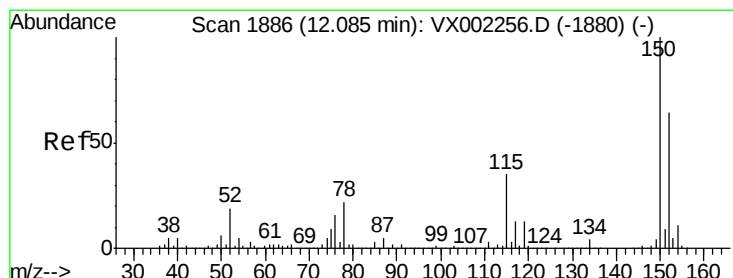
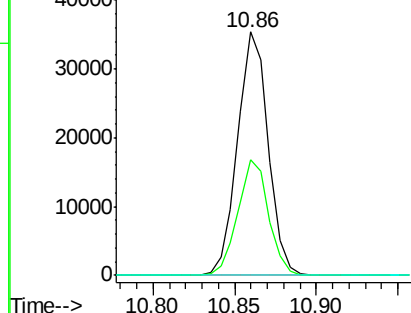
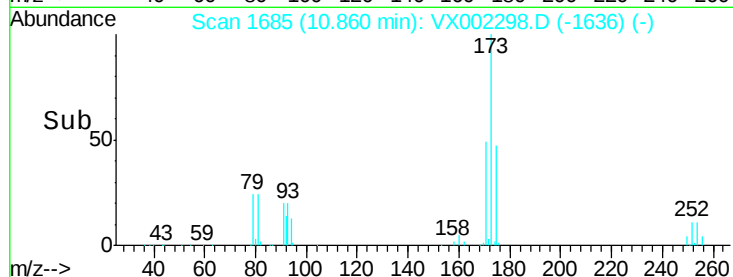
173 100

175 47.7 24.7 74.1

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

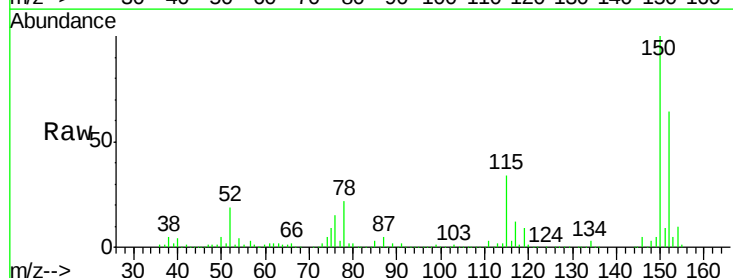
Tgt Ion:152 Resp: 239692

Ion Ratio Lower Upper

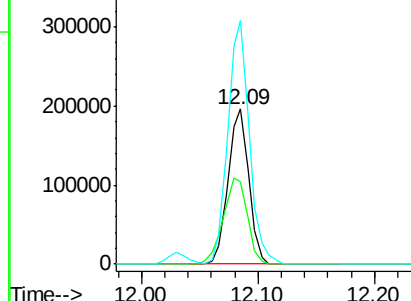
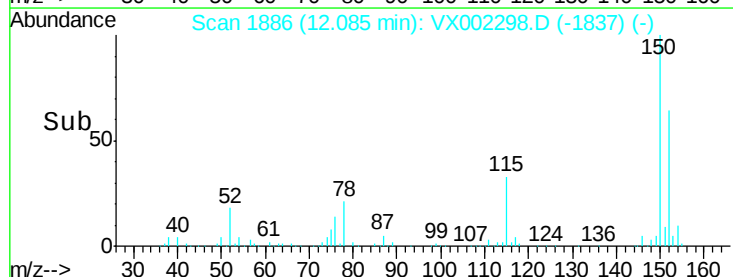
152 100

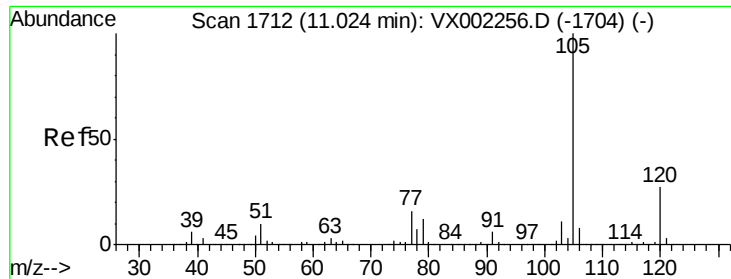
115 64.9 40.1 120.2

150 163.1 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.49 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

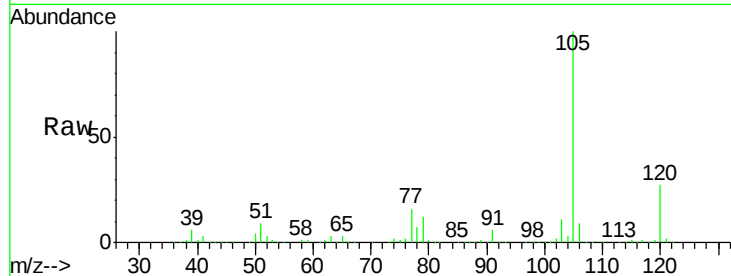
ClientSampleId :

Tot Ion:105 Resp: 341658

Ion Ratio Lower Upper

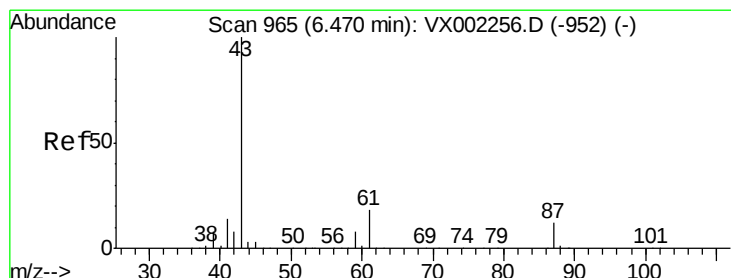
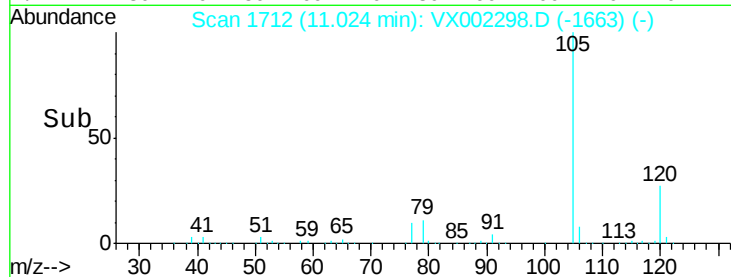
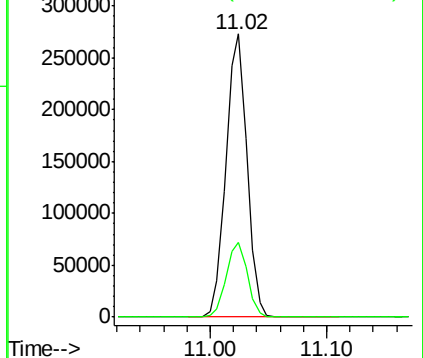
105 100

120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.55 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Tgt Ion: 43 Resp: 157636

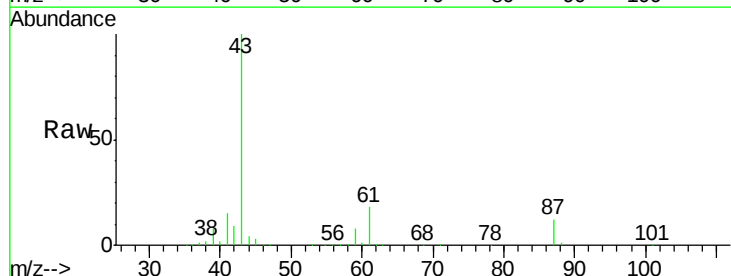
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.3 0.0 0.0#

61 17.9 14.4 21.6

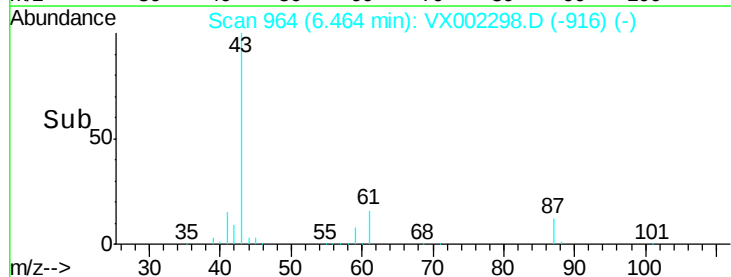
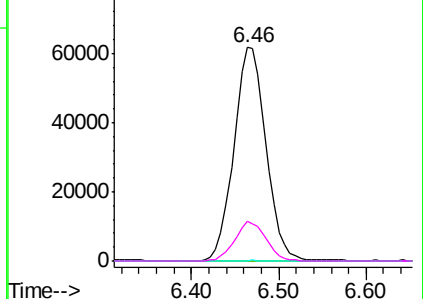


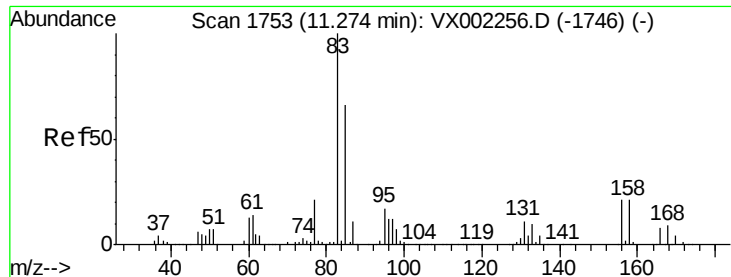
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 17.99 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

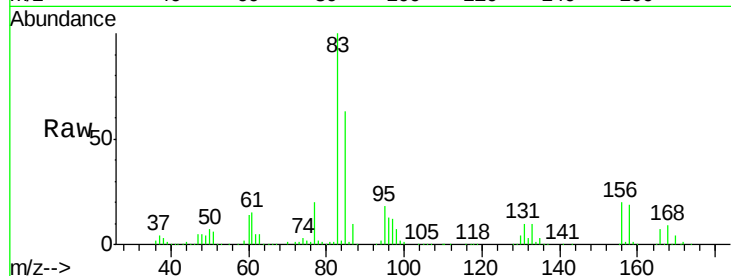
Tot Ion: 83 Resp: 94355

Ion Ratio Lower Upper

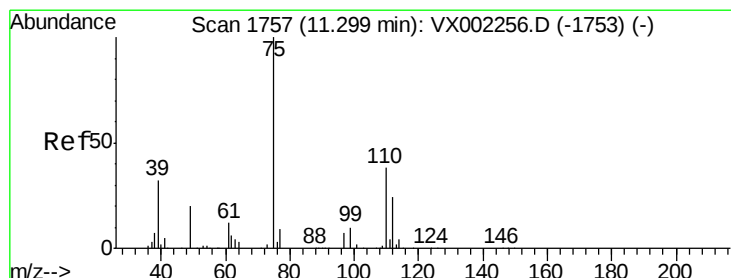
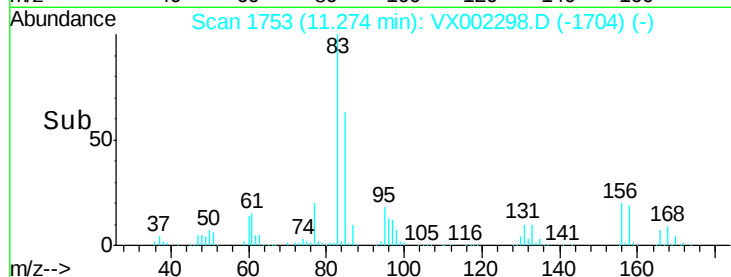
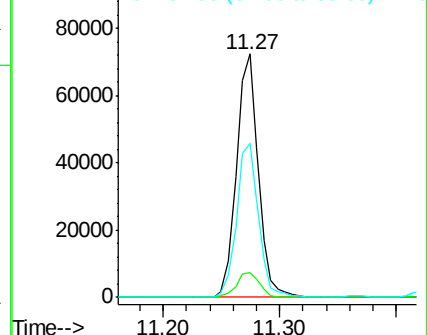
83 100

131 10.7 5.6 16.8

85 63.9 32.4 97.2



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: 20.73 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002298.D

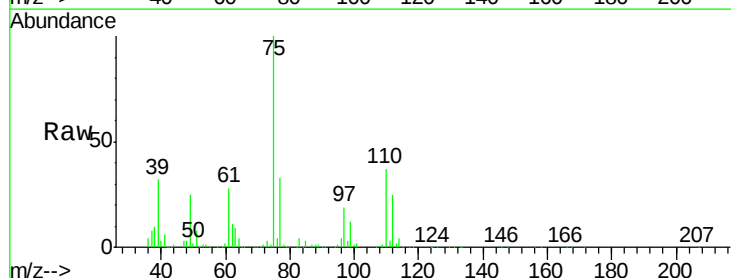
Acq: 05 Jun 2018 11:50

Tgt Ion: 75 Resp: 109028

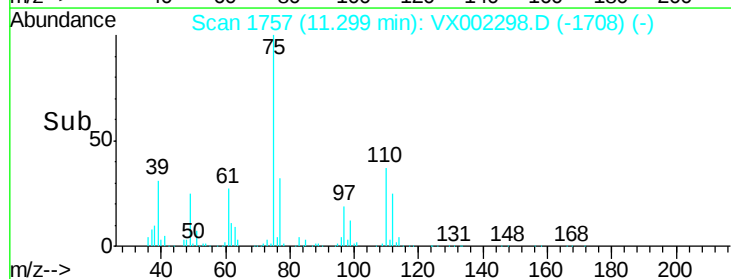
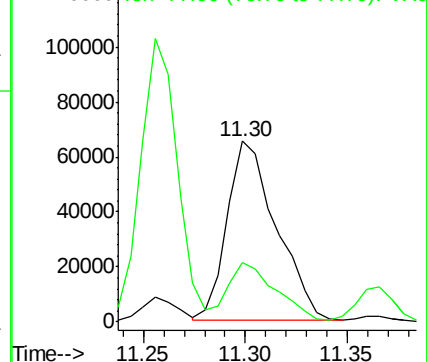
Ion Ratio Lower Upper

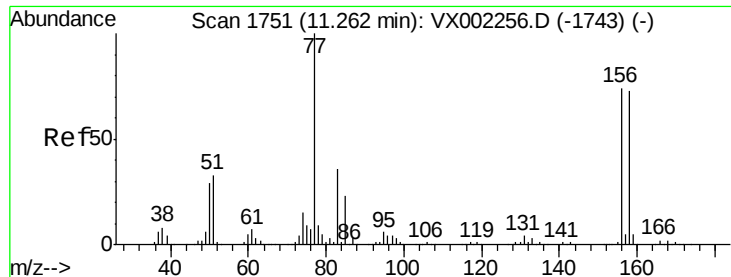
75 100

77 32.9 22.8 68.3



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





#77

Bromobenzene

Concen: 19.27 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampled :

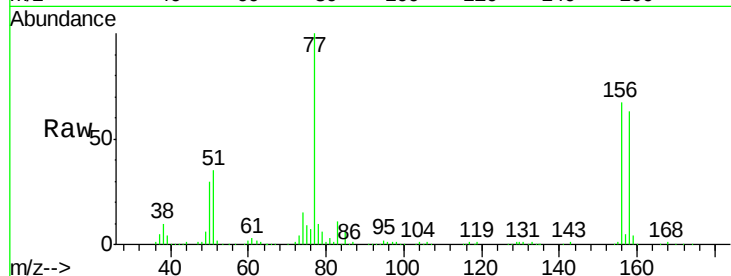
Tot Ion:156 Resp: 90194

Ion Ratio Lower Upper

156 100

77 143.0 71.4 214.2

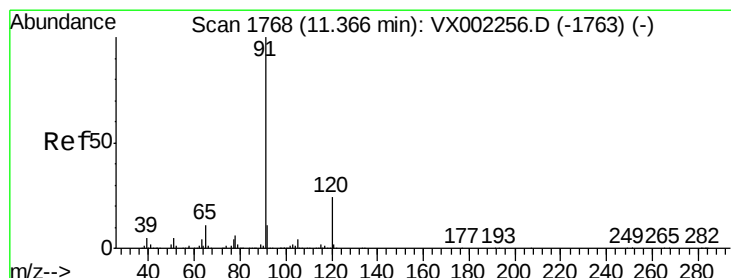
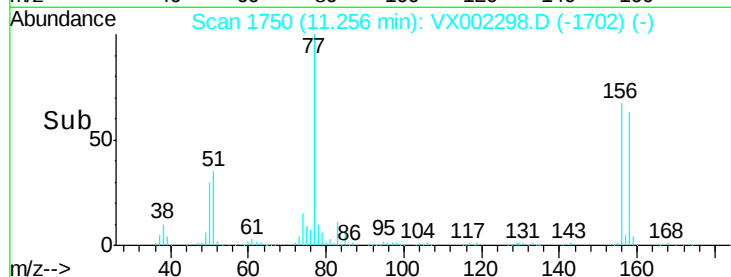
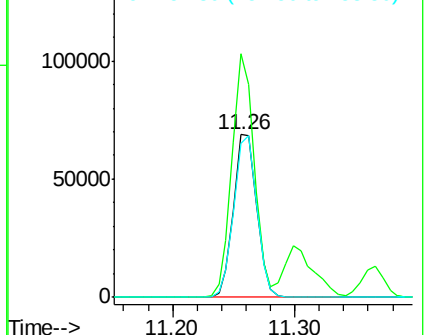
158 98.0 48.9 146.6



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: 21.25 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002298.D

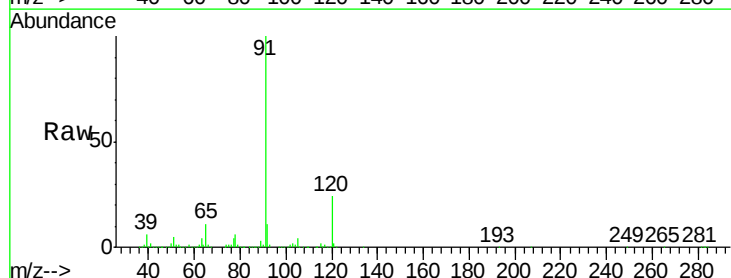
Acq: 05 Jun 2018 11:50

Tgt Ion: 91 Resp: 393907

Ion Ratio Lower Upper

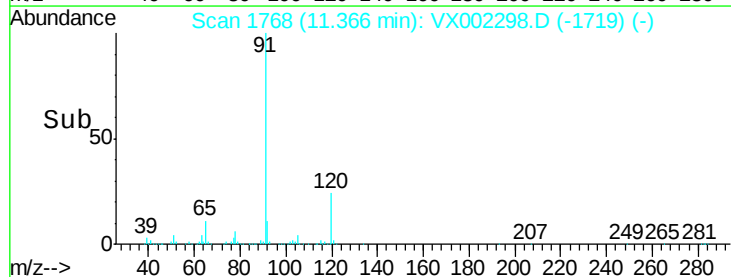
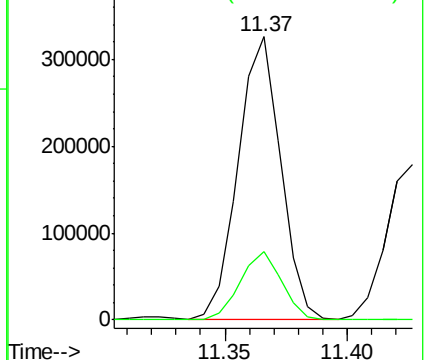
91 100

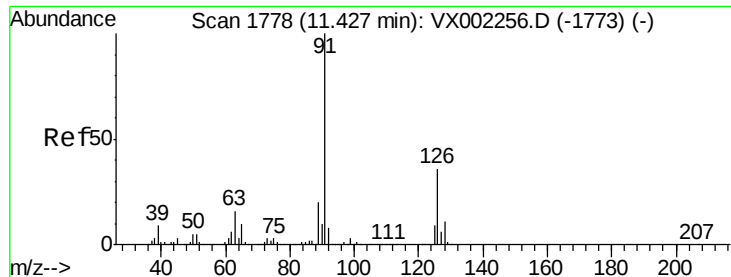
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.49 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

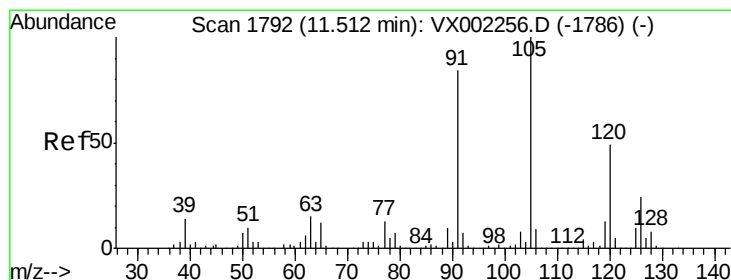
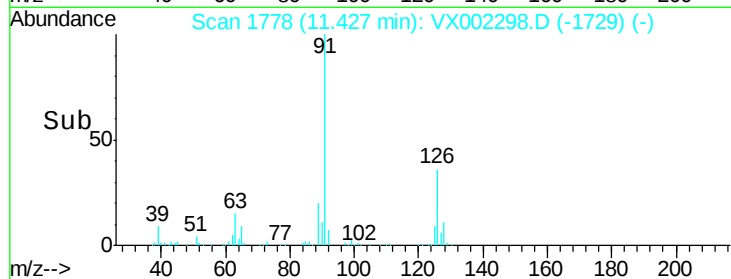
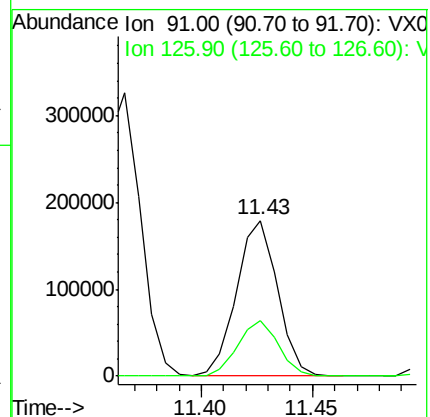
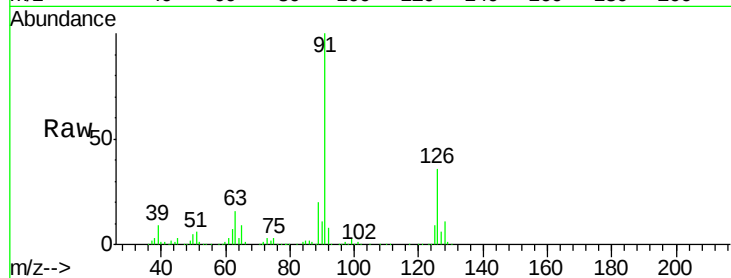
ClientSampled :

Tot Ion: 91 Resp: 228027

Ion Ratio Lower Upper

91 100

126 35.5 17.7 53.1



#80

1,3,5-Trimethylbenzene

Concen: 20.30 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002298.D

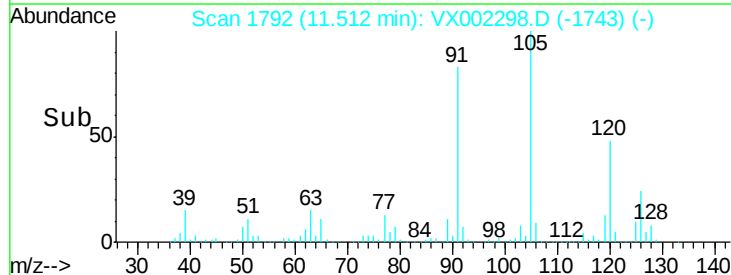
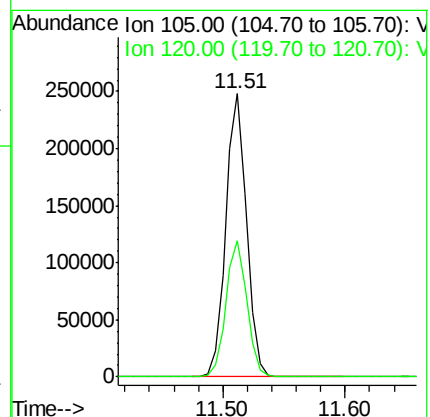
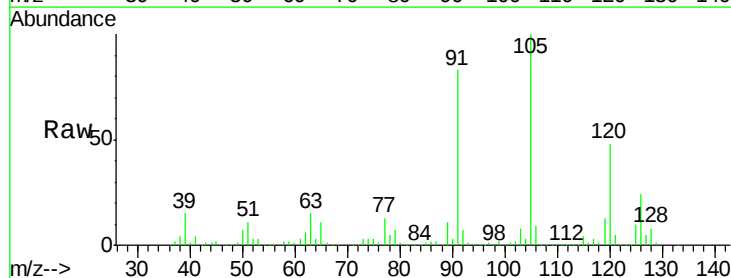
Acq: 05 Jun 2018 11:50

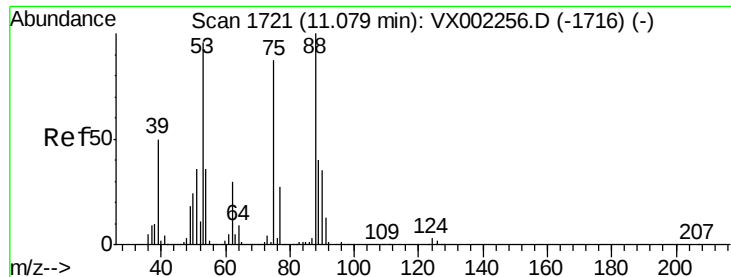
Tgt Ion:105 Resp: 290277

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.4

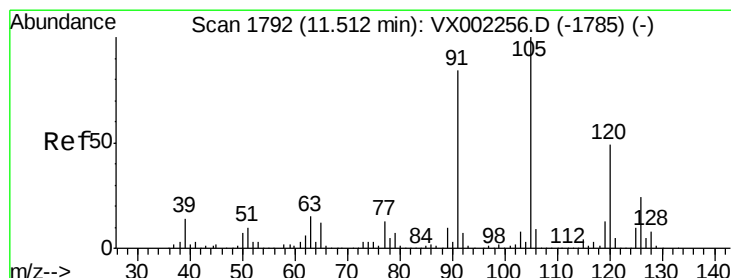
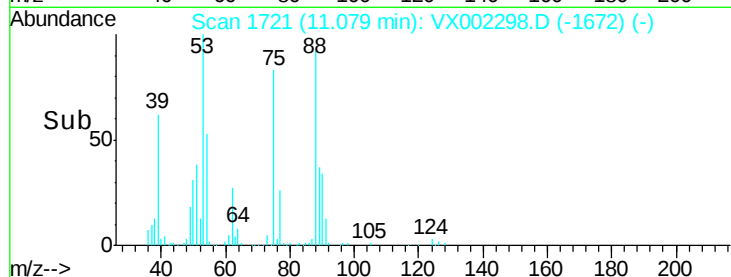
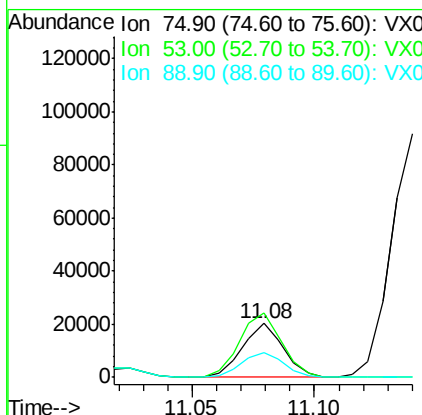
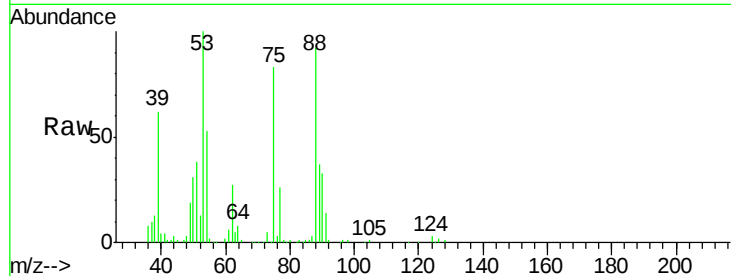




#81
trans-1,4-Dichloro-2-butene
Concen: 15.89 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

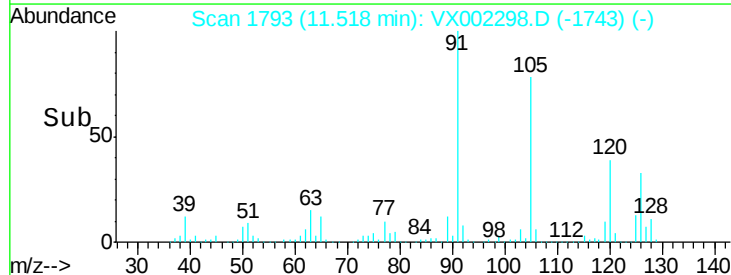
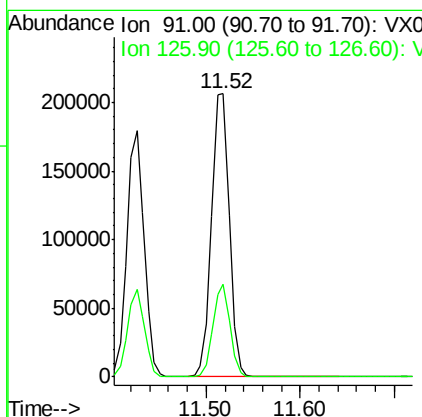
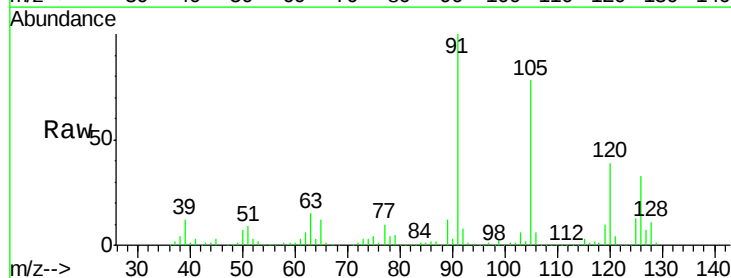
Instrument :
MSVOA_X
ClientSampleId :

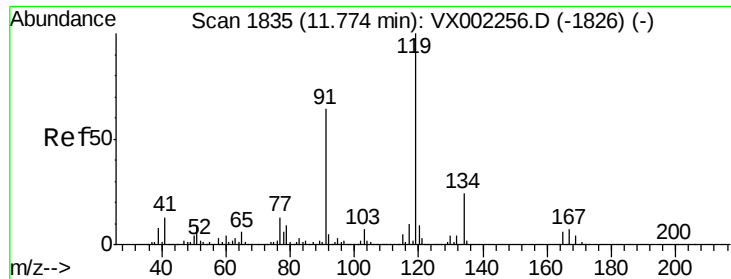
Tot Ion: 75 Resp: 23836
Ion Ratio Lower Upper
75 100
53 122.0 86.8 130.2
89 47.0 38.2 57.2



#82
4-Chlorotoluene
Concen: 20.10 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 91 Resp: 271476
Ion Ratio Lower Upper
91 100
126 30.9 15.4 46.4

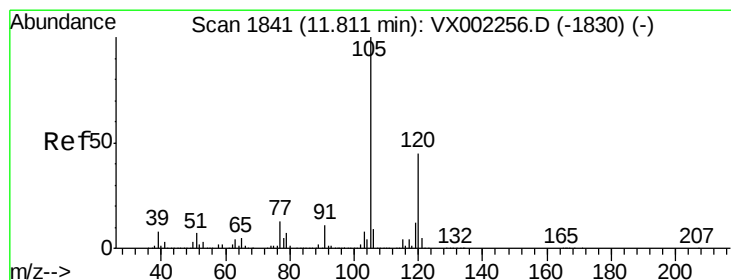
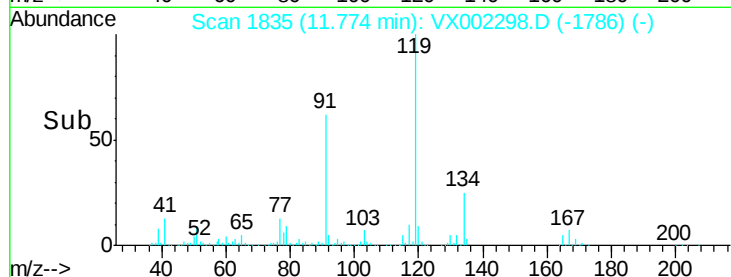
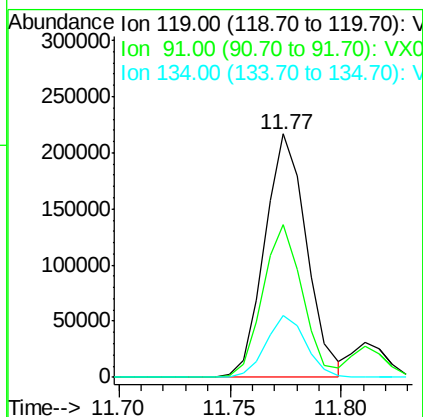
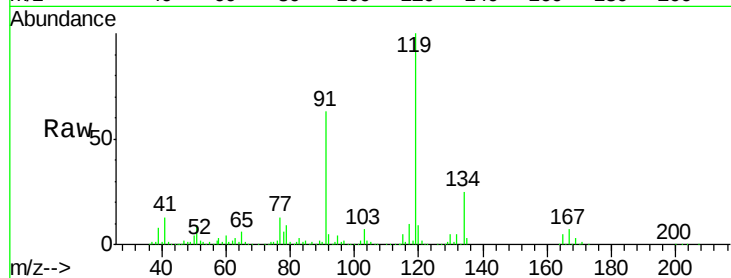




#83
 tert-Butylbenzene
 Concen: 20.30 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

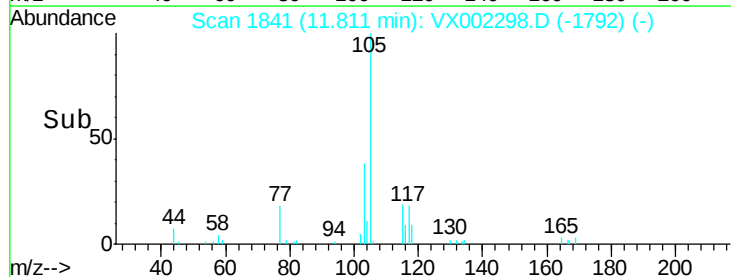
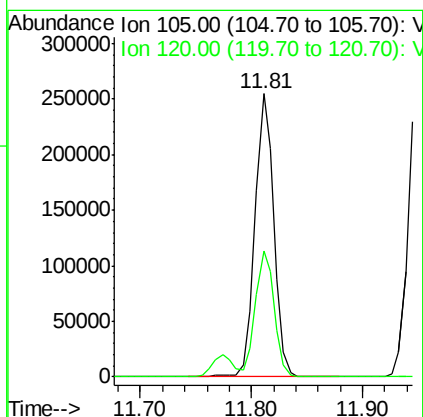
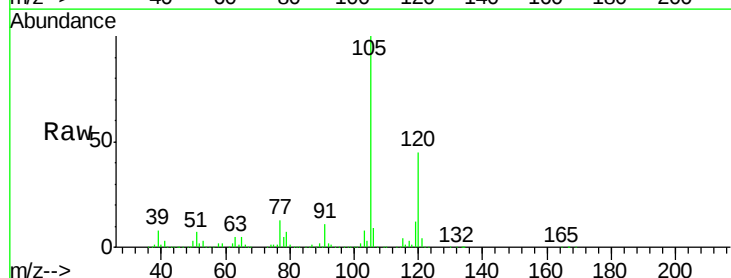
Instrument :
 MSVOA_X
 ClientSampleID :

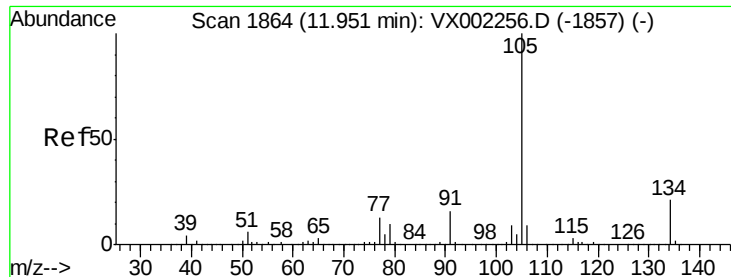
Tot Ion:119 Resp: 282750
 Ion Ratio Lower Upper
 119 100
 91 60.1 30.3 90.9
 134 24.2 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.41 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion:105 Resp: 300481
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.3 66.8





#85

sec-Butylbenzene

Concen: 21.87 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

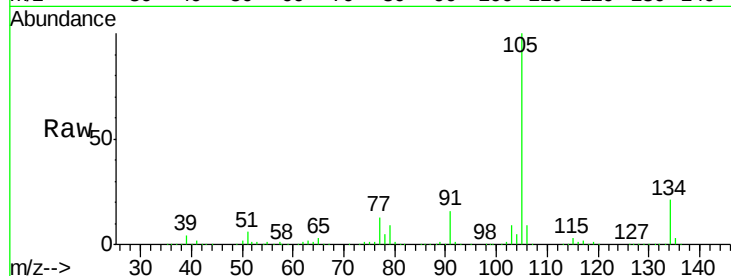
ClientSampleId :

Tot Ion:105 Resp: 357012

Ion Ratio Lower Upper

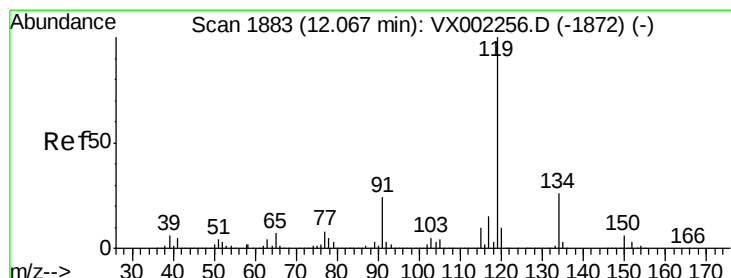
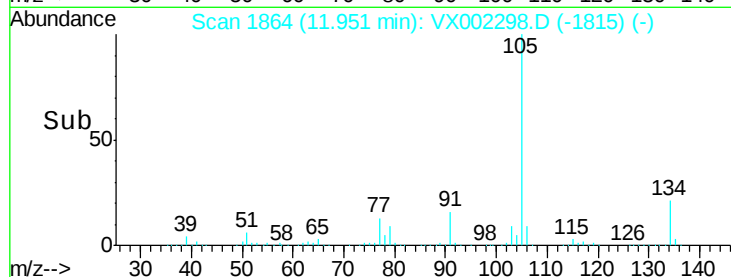
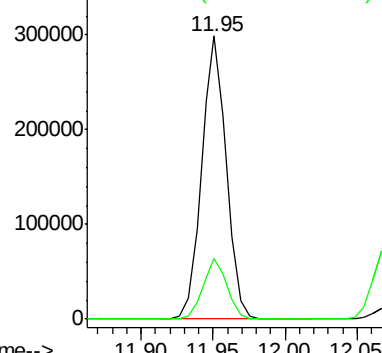
105 100

134 21.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.39 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

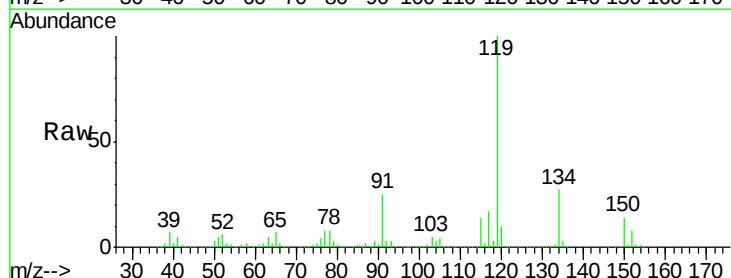
Tgt Ion:119 Resp: 318131

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

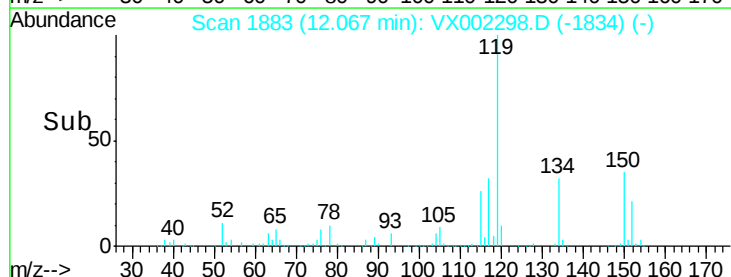
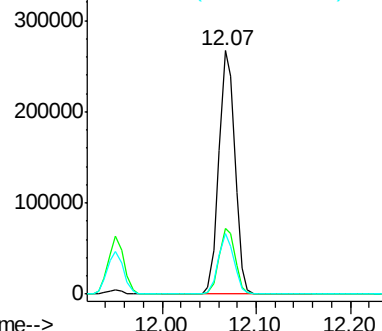
91 24.1 11.9 35.7

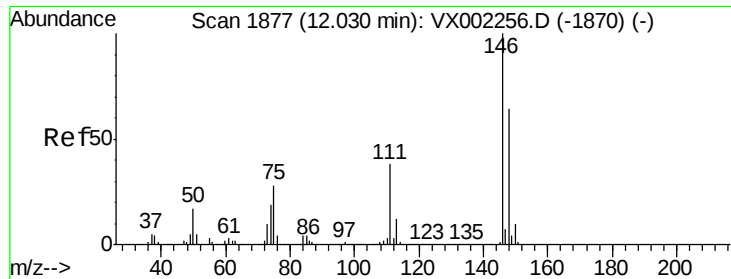


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.89 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

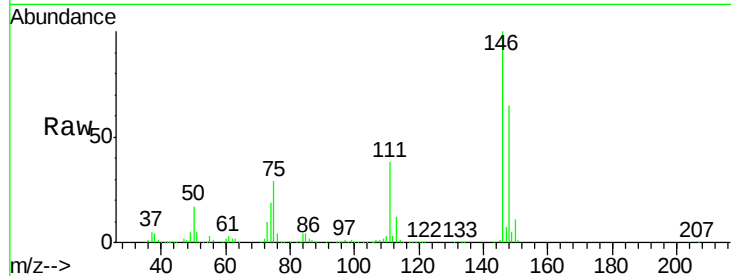
Tot Ion:146 Resp: 166469

Ion Ratio Lower Upper

146 100

111 38.4 18.9 56.7

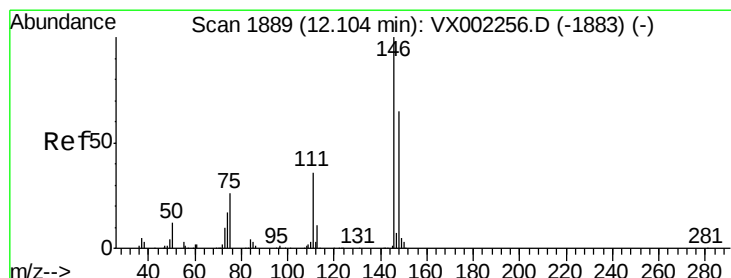
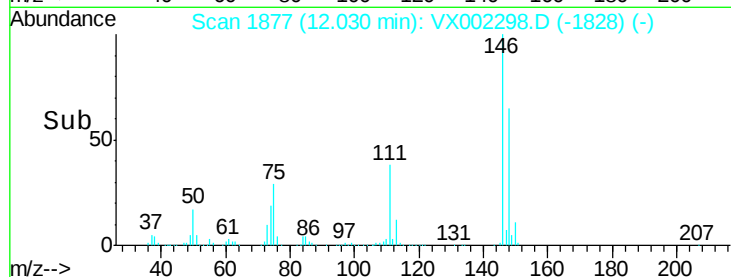
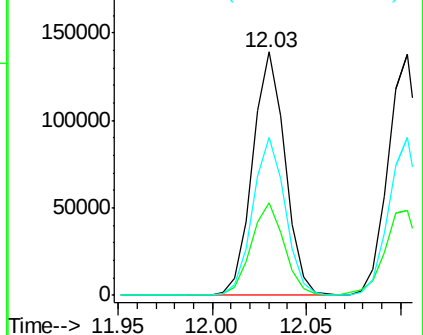
148 64.8 32.1 96.3



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: 19.45 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

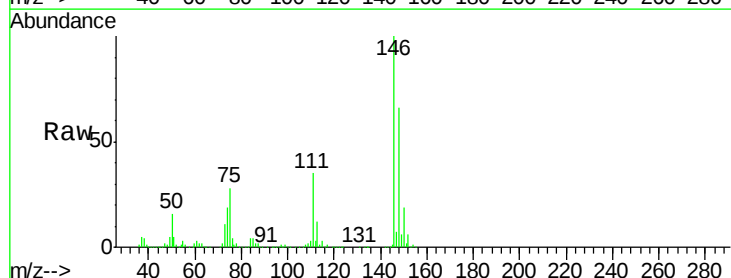
Tgt Ion:146 Resp: 167811

Ion Ratio Lower Upper

146 100

111 38.2 18.7 56.1

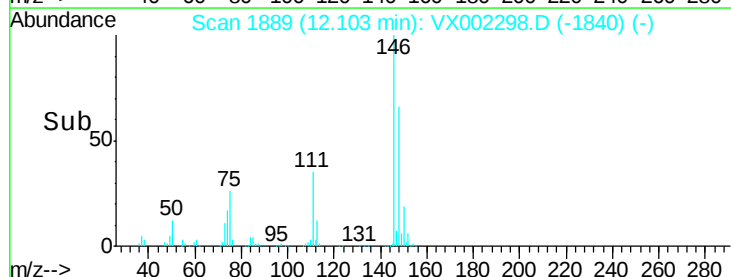
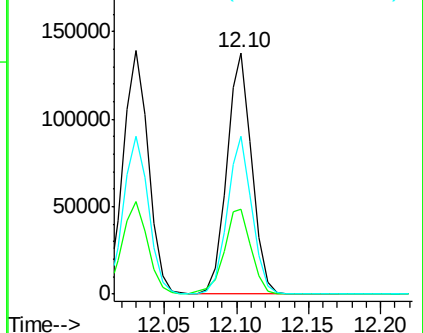
148 64.5 32.4 97.0

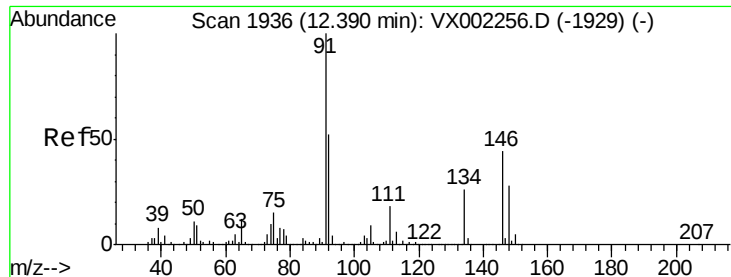


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 22.06 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

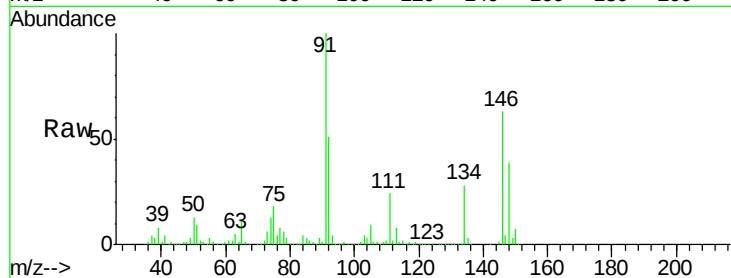
Tot Ion: 91 Resp: 275196

Ion Ratio Lower Upper

91 100

92 51.5 26.0 78.0

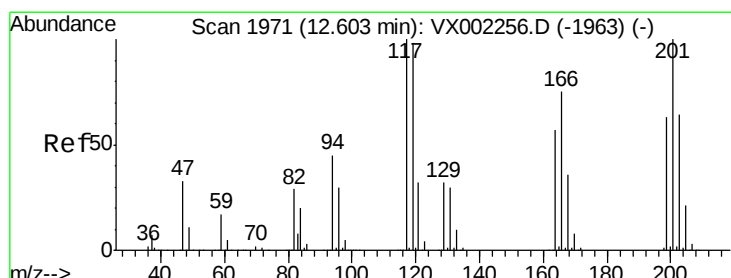
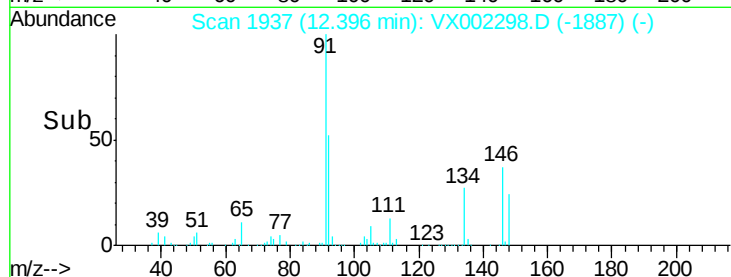
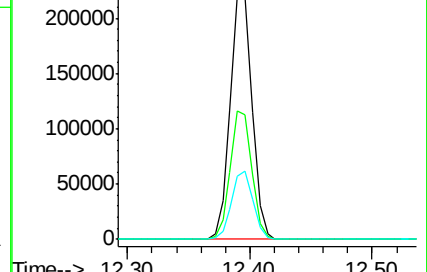
134 27.1 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX002256.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX002256.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX002256.D (-1929) (-)



#90

Hexachloroethane

Concen: 18.22 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002298.D

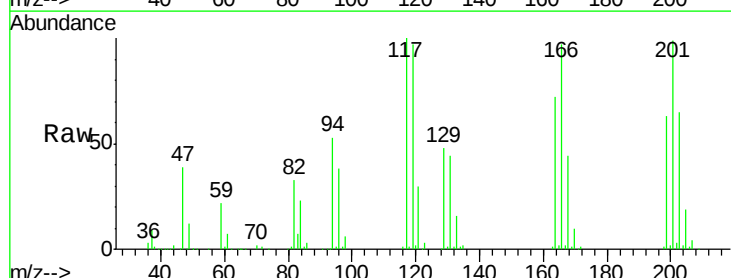
Acq: 05 Jun 2018 11:50

Tgt Ion: 117 Resp: 43244

Ion Ratio Lower Upper

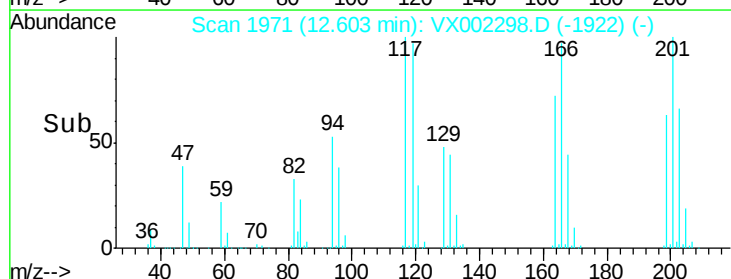
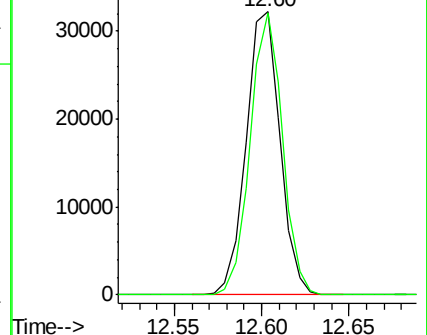
117 100

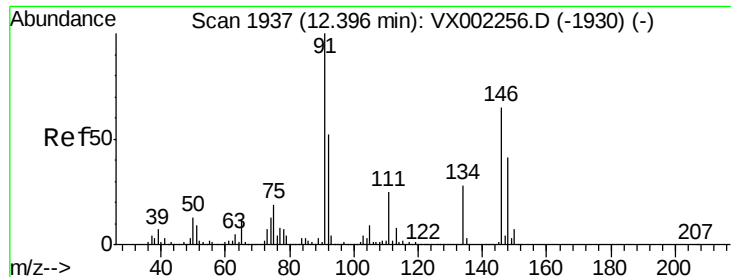
201 94.6 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): VX002256.D (-1963) (-)

Ion 200.70 (200.40 to 201.40): VX002256.D (-1963) (-)

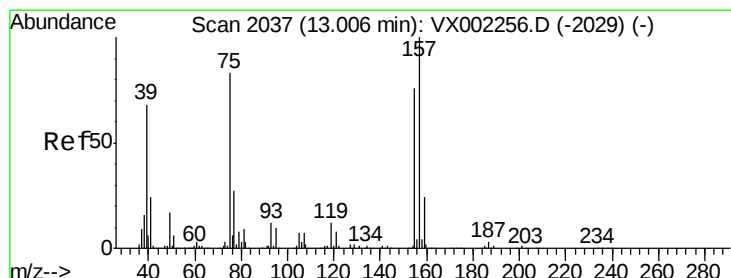
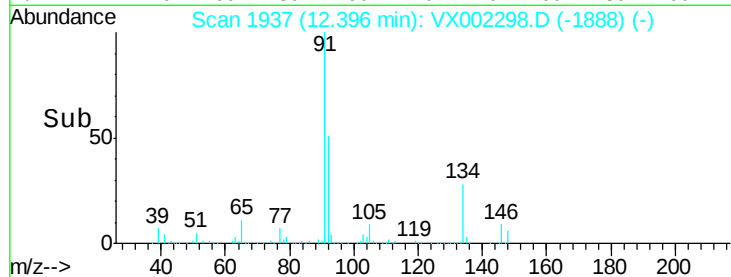
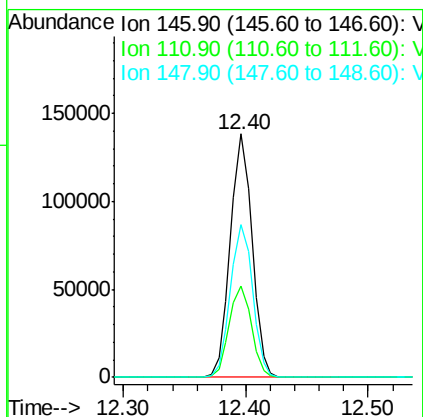
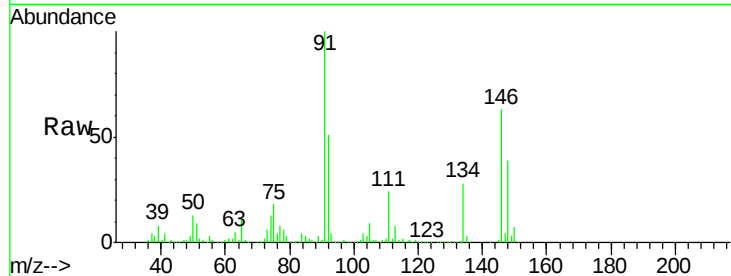




#91
 1,2-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

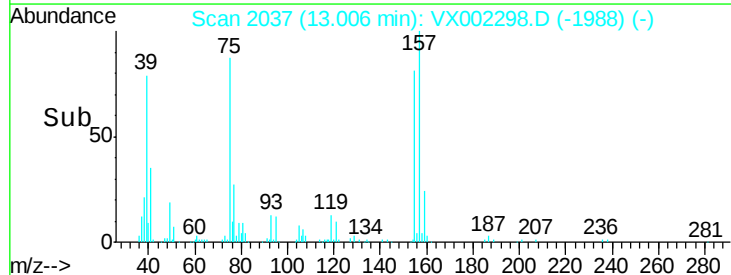
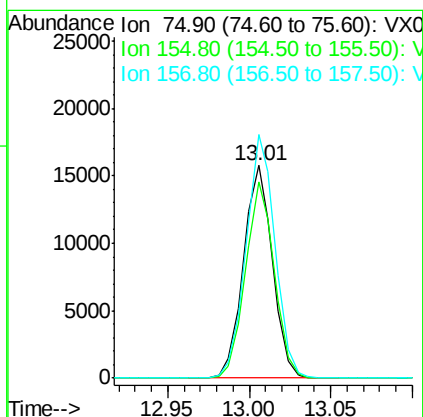
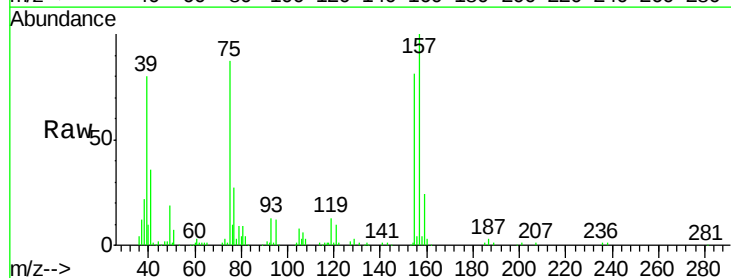
Instrument :
 MSVOA_X
 ClientSampled :

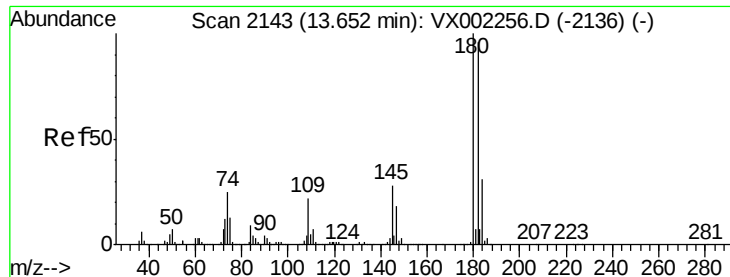
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.3	31.7	95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.04 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	45.8	137.4
157	114.8	60.1	180.3

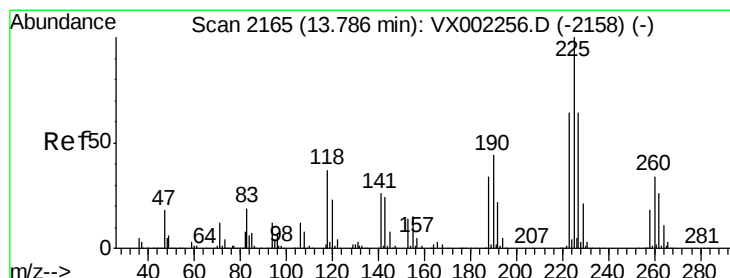
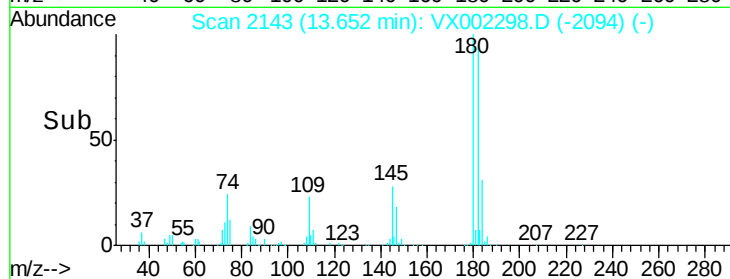
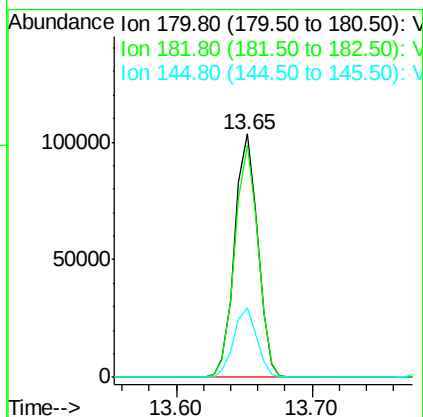
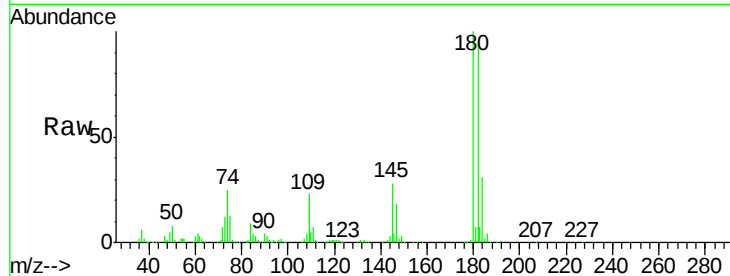




#93
 1,2,4-Trichlorobenzene
 Concen: 20.22 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

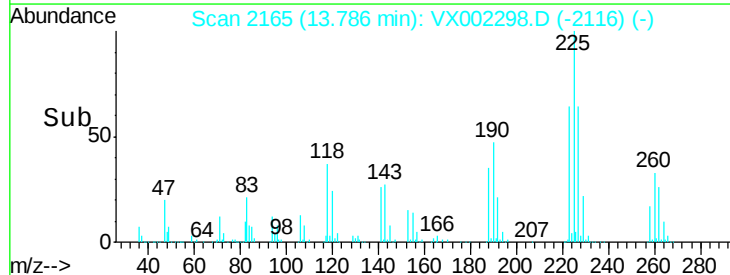
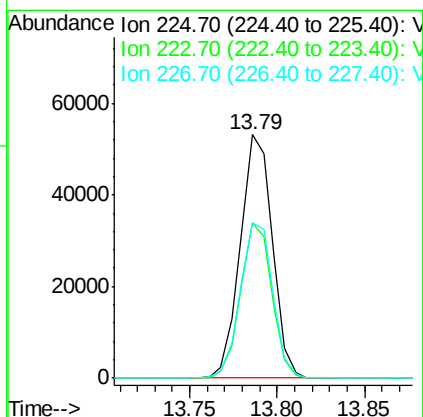
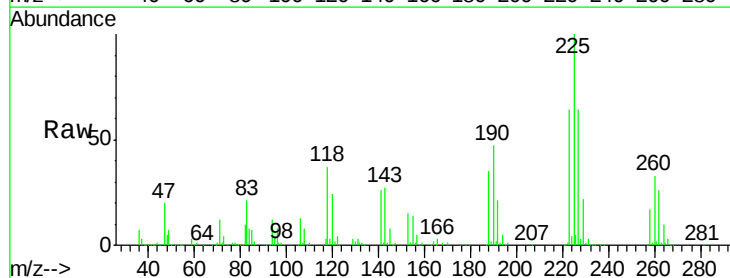
Instrument :
 MSVOA_X
 ClientSampled :

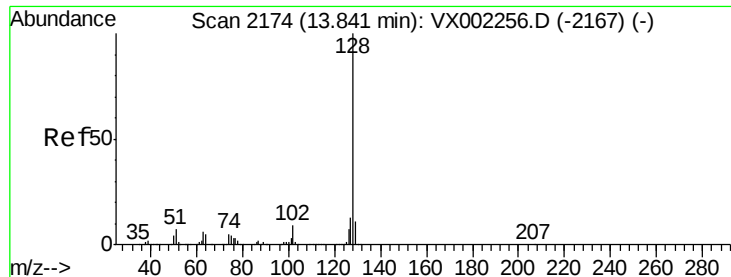
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.7	143.1
145	28.6	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 22.55 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.6	95.0
227	64.8	32.4	97.2





#95

Naphthalene

Concen: 19.36 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

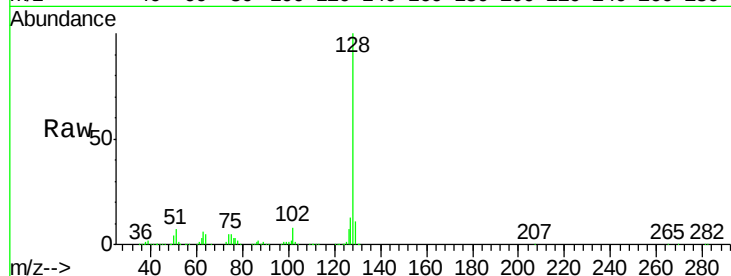
Tot Ion:128 Resp: 337804

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.8 8.6 13.0

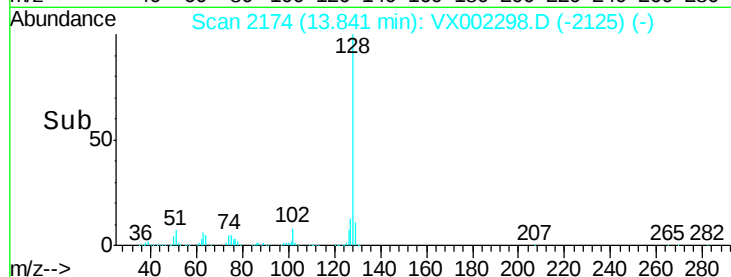


Abundance Ion 128.00 (127.70 to 128.70): V

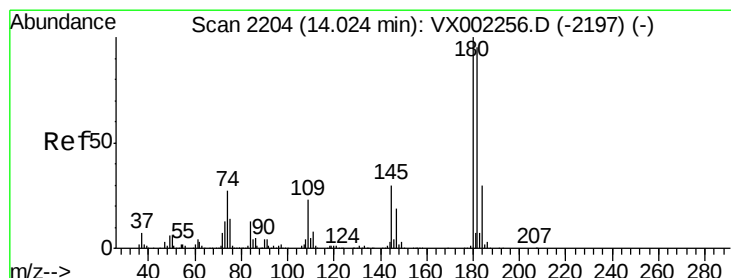
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.84



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 20.31 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

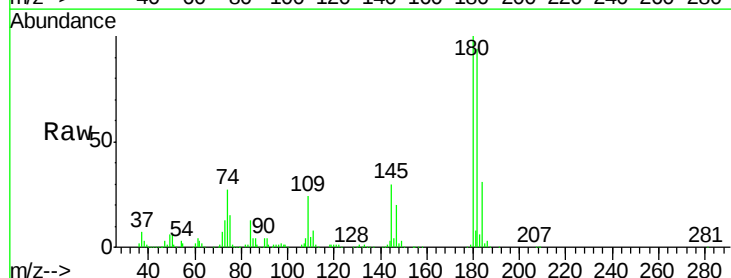
Tgt Ion:180 Resp: 125771

Ion Ratio Lower Upper

180 100

182 94.6 48.0 144.0

145 29.5 14.8 44.3

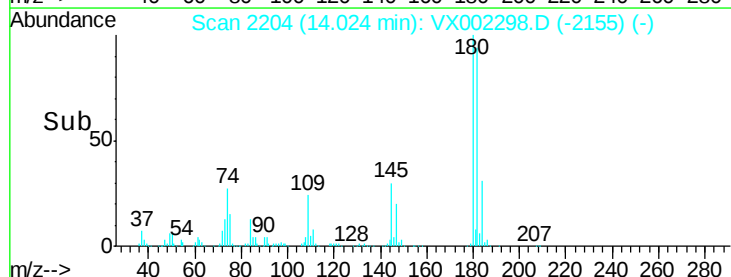


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

14.02



Time-->