

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002647.D
 Acq On : 16 Jun 2018 14:42
 Operator : JC/MD
 Sample : J3479-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 06:13:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	207387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	311361	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	157186	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	5.51	113	126185	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	8.72	98	465165	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.14	95	182984	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	99951	45.40	ug/l	97
3) Chloromethane	1.32	50	113568	43.36	ug/l	99
4) Vinyl Chloride	1.41	62	127073	46.76	ug/l	97
5) Bromomethane	1.64	94	70554	43.03	ug/l	100
6) Chloroethane	1.72	64	88821	49.59	ug/l	99
7) Trichlorofluoromethane	1.93	101	214230	48.52	ug/l	98
8) Diethyl Ether	2.19	74	82614	49.19	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	115318	46.72	ug/l	99
10) Methyl Iodide	2.51	142	143690	43.85	ug/l	100
11) Tert butyl alcohol	3.08	59	217243	333.45	ug/l	99
12) 1,1-Dichloroethene	2.37	96	111161	47.97	ug/l	99
13) Acrolein	2.30	56	75655	247.77	ug/l	98
14) Allyl chloride	2.73	41	214936	46.72	ug/l	99
15) Acrylonitrile	3.15	53	388170	273.04	ug/l	99
16) Acetone	2.45	43	381690	274.52	ug/l	100
17) Carbon Disulfide	2.57	76	278055	50.59	ug/l	99
18) Methyl Acetate	2.78	43	195987	52.91	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	431224	49.61	ug/l	99
20) Methylene Chloride	2.86	84	129215	45.32	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	122397	48.69	ug/l	97
22) Diisopropyl ether	3.88	45	408127	49.03	ug/l	99
23) Vinyl Acetate	3.83	43	1686479	242.06	ug/l	100
24) 1,1-Dichloroethane	3.70	63	235358	52.09	ug/l	100
25) 2-Butanone	4.71	43	528256	289.30	ug/l	98
26) 2,2-Dichloropropane	4.59	77	85581	26.36	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	129823	50.75	ug/l	90
28) Bromochloromethane	5.03	49	111788	52.83	ug/l	96
29) Tetrahydrofuran	5.17	42	344239	287.66	ug/l	97
30) Chloroform	5.22	83	224094	51.44	ug/l	97
31) Cyclohexane	5.58	56	180594	48.55	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	190539	52.29	ug/l	100
36) 1,1-Dichloropropene	5.81	75	159279	48.17	ug/l	99
37) Ethyl Acetate	4.87	43	190935	51.01	ug/l	100
38) Carbon Tetrachloride	5.79	117	167211	50.78	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	179110	46.33	ug/l	97
40) Benzene	6.15	78	523884	52.83	ug/l	99
41) Methacrylonitrile	5.07	41	114036	53.96	ug/l	99
42) 1,2-Dichloroethane	6.20	62	191151	49.79	ug/l	100
43) Isopropyl Acetate	6.47	43	313095	50.49	ug/l	99
44) Trichloroethene	7.22	130	139501	48.74	ug/l	99
45) 1,2-Dichloropropane	7.52	63	128093	49.08	ug/l	99
46) Dibromomethane	7.66	93	91012	52.14	ug/l	99
47) Bromodichloromethane	7.90	83	164063	53.29	ug/l	98
48) Methyl methacrylate	7.78	41	166746	52.62	ug/l	97
49) 1,4-Dioxane	7.76	88	66660	1110.78	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1147762	288.26	ug/l	100
52) Toluene	8.79	92	316402	50.02	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	174632	43.19	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	163052	42.46	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	132093	51.68	ug/l	98
56) Ethyl methacrylate	9.19	69	208352	52.97	ug/l	98
57) 1,3-Dichloropropane	9.38	76	215544	49.86	ug/l	100
59) 2-Hexanone	9.50	43	903286	301.06	ug/l	98
60) Dibromochloromethane	9.59	129	135391	47.31	ug/l	99
61) 1,2-Dibromoethane	9.68	107	139943	52.87	ug/l	98
64) Tetrachloroethene	9.34	164	146040	42.94	ug/l	97
65) Chlorobenzene	10.15	112	5850731	777.52	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	134926	52.59	ug/l	99
67) Ethyl Benzene	10.26	91	632214	49.81	ug/l	98
68) m/p-Xylenes	10.37	106	484005	98.86	ug/l	99
69) o-Xylene	10.70	106	238663	49.62	ug/l	98
70) Stvrene	10.71	104	405385	51.25	ug/l	99
71) Bromoform	10.86	173	107739	46.51	ug/l	# 99
73) Isopropylbenzene	11.02	105	642237	47.98	ug/l	99
74) N-amyl acetate	6.47	43	313095	47.08	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	206882	52.34	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	225863	59.80	ug/l	80
77) Bromobenzene	11.26	156	182768	49.01	ug/l	97
78) n-propylbenzene	11.37	91	729367	47.51	ug/l	99
79) 2-Chlorotoluene	11.43	91	437503	47.73	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	544005	48.09	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	42333	37.05	ug/l	96
82) 4-Chlorotoluene	11.51	91	523925	48.44	ug/l	99
83) tert-Butylbenzene	11.77	119	542658	49.80	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	564898	48.94	ug/l	99
85) sec-Butylbenzene	11.95	105	647667	47.80	ug/l	99
86) p-Isopropyltoluene	12.07	119	587968	47.96	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	990595	144.85	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	2293066	329.53	ug/l	99
89) n-Butylbenzene	12.39	91	584377	54.03	ug/l	99
90) Hexachloroethane	12.60	117	86908	45.71	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	13049412	1895.85	ug/l	83
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49591	59.89	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	293136	58.68	ug/l	99

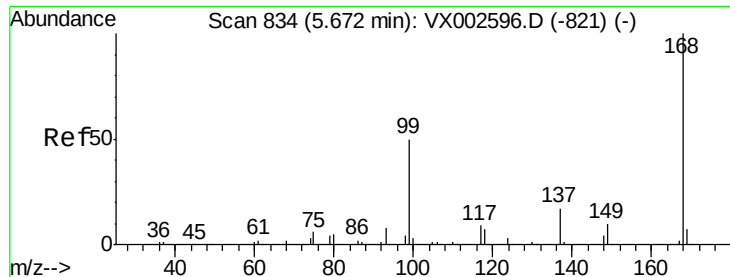
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	120709	45.87	ug/l	99
95) Naphthalene	13.84	128	752119	55.95	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	287132	57.23	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

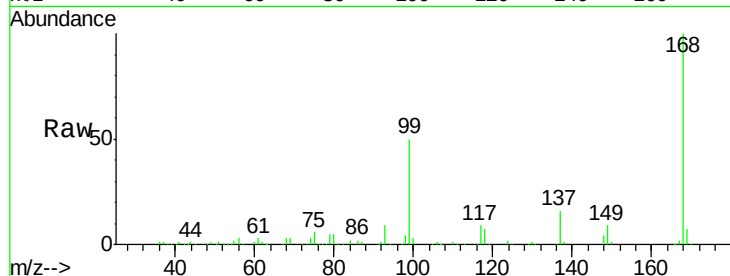
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 207387

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

5.67

80000

60000

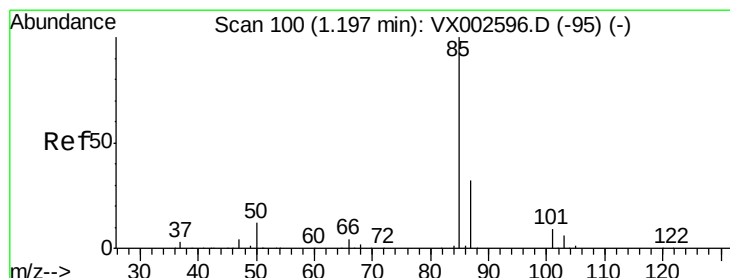
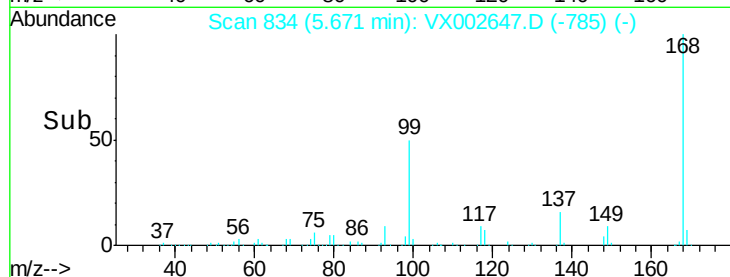
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.40 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002647.D

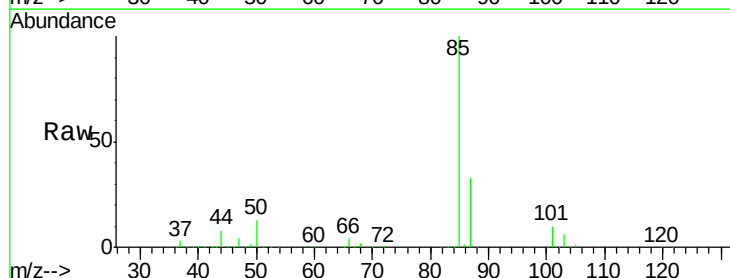
Acq: 16 Jun 2018 14:42

Tgt Ion: 85 Resp: 99951

Ion Ratio Lower Upper

85 100

87 33.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

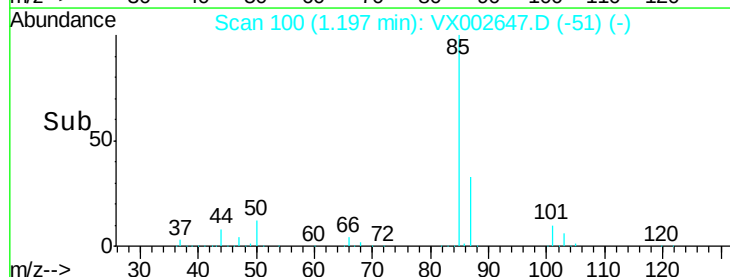
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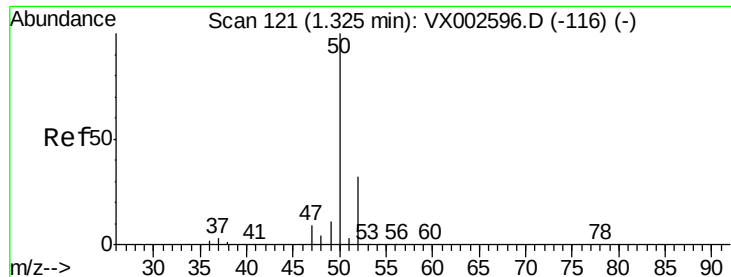
20000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.36 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

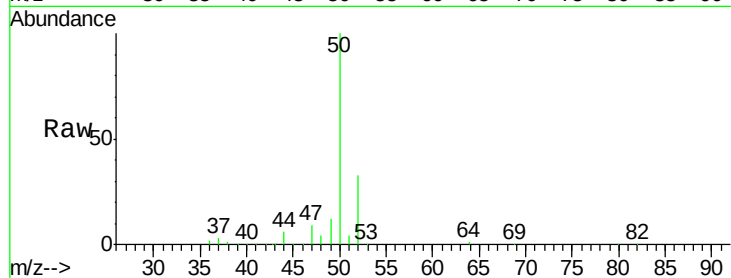
ClientSampled :

Tot Ion: 50 Resp: 113568

Ion Ratio Lower Upper

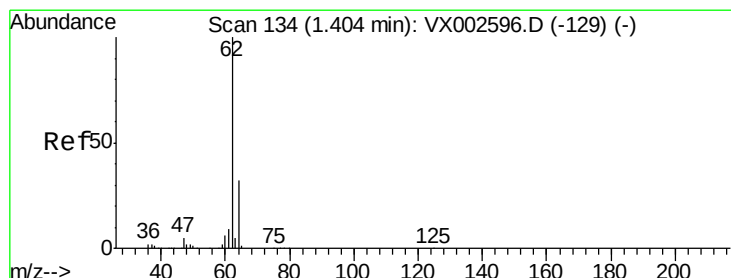
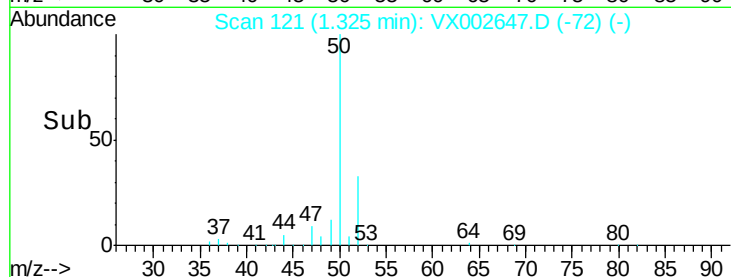
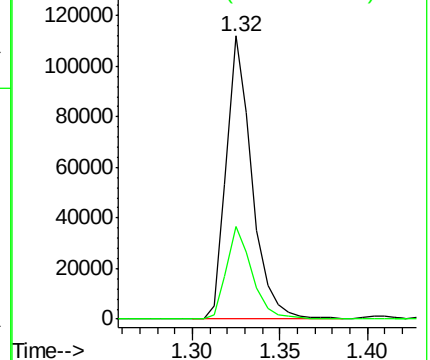
50 100

52 32.7 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: 46.76 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002647.D

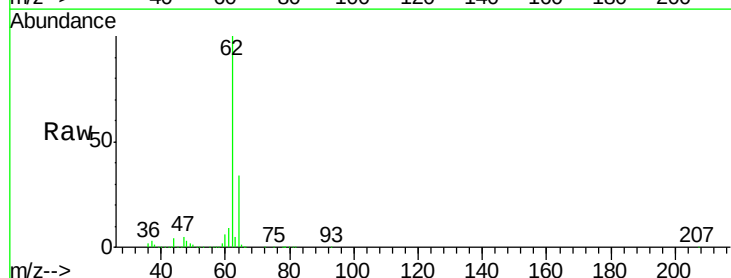
Acq: 16 Jun 2018 14:42

Tgt Ion: 62 Resp: 127073

Ion Ratio Lower Upper

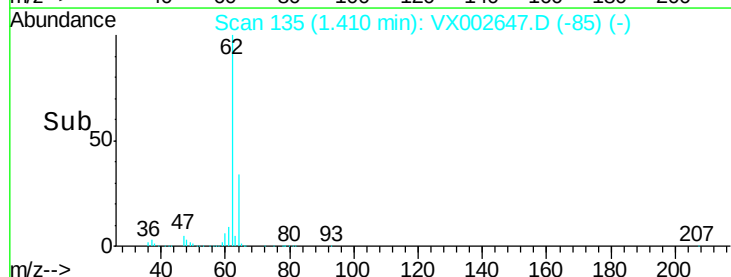
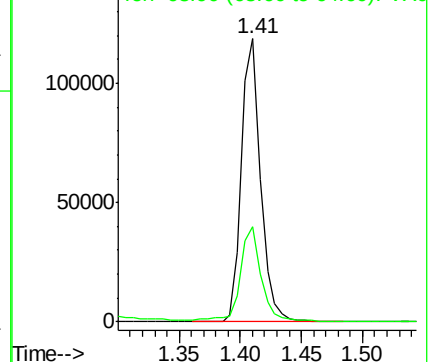
62 100

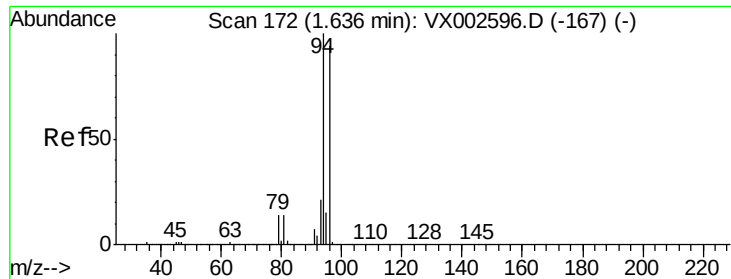
64 33.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 43.03 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

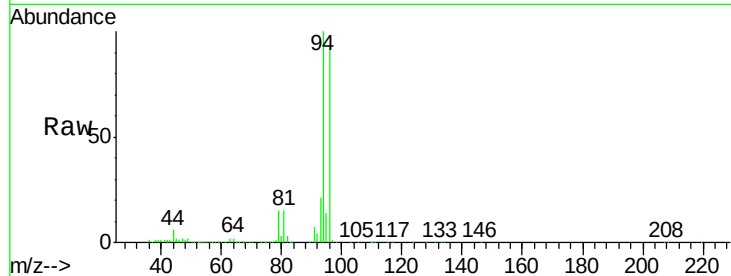
ClientSampleId :

Tot Ion: 94 Resp: 70554

Ion Ratio Lower Upper

94 100

96 93.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

60000

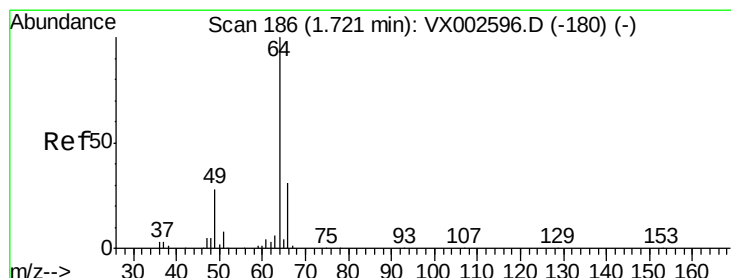
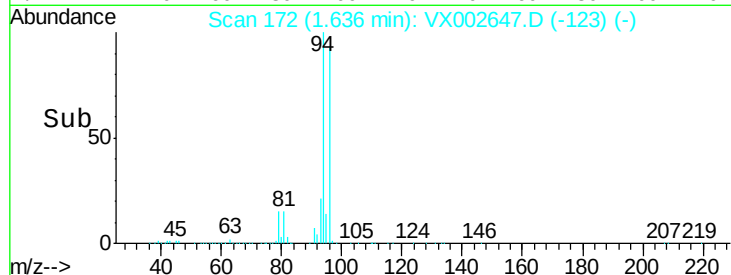
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 49.59 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002647.D

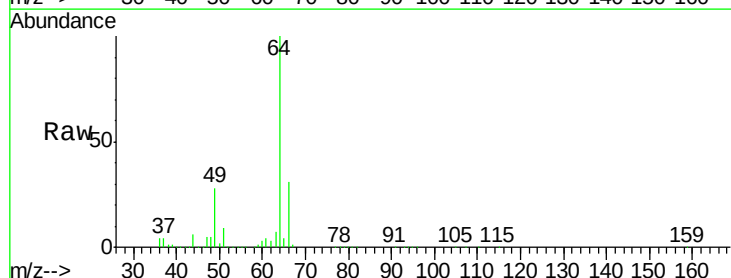
Acq: 16 Jun 2018 14:42

Tgt Ion: 64 Resp: 88821

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

60000

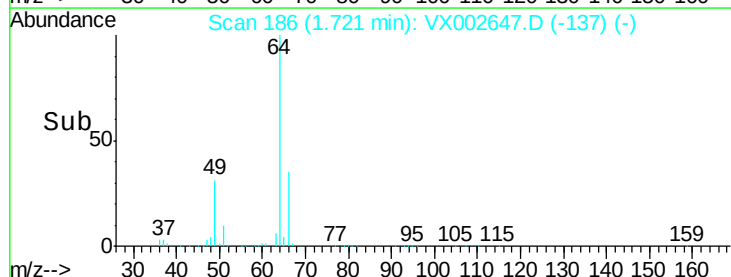
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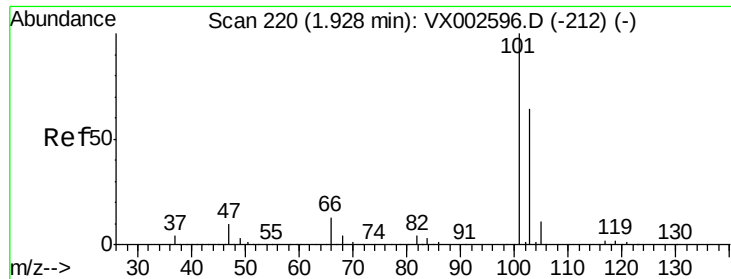
20000

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Time-->

1.65 1.70 1.75 1.80



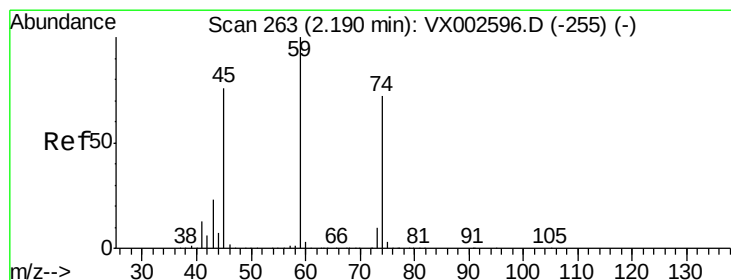
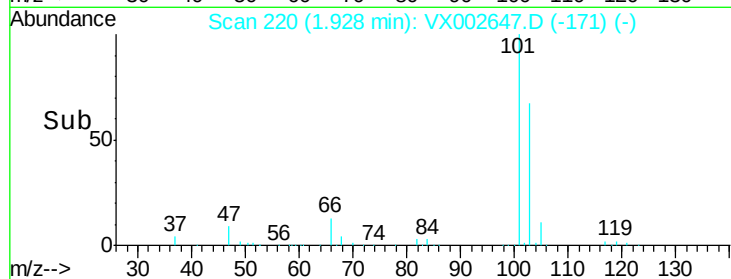
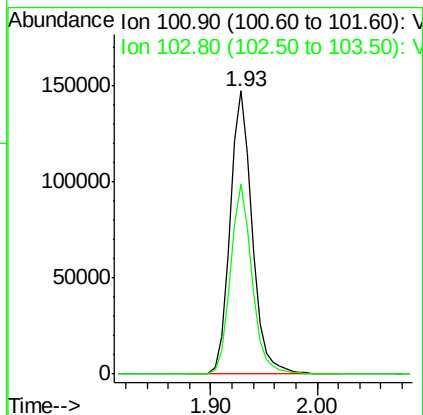
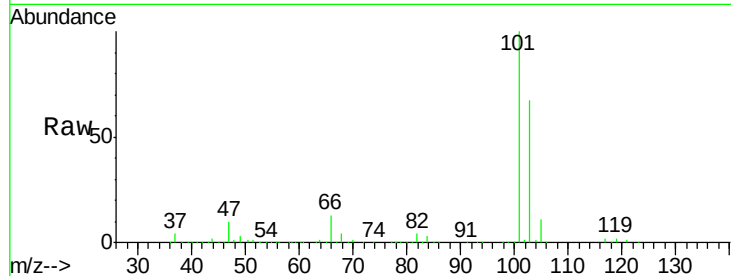


#7

Trichlorofluoromethane
 Concen: 48.52 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

Instrument :
 MSVOA_X
 ClientSampleId :

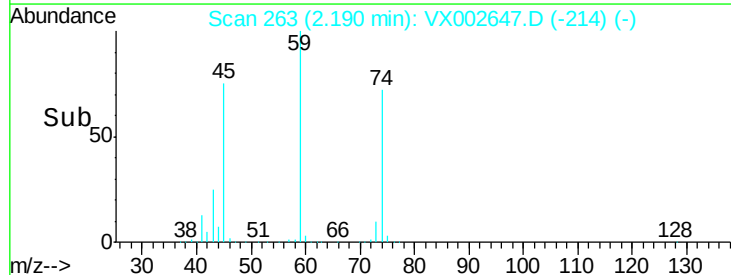
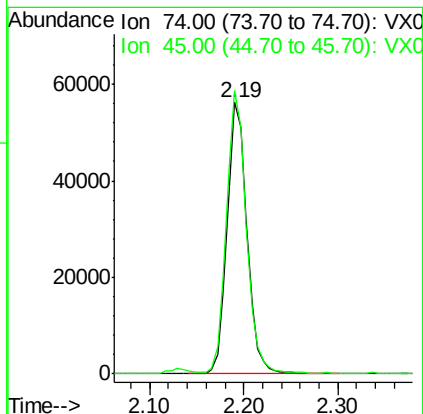
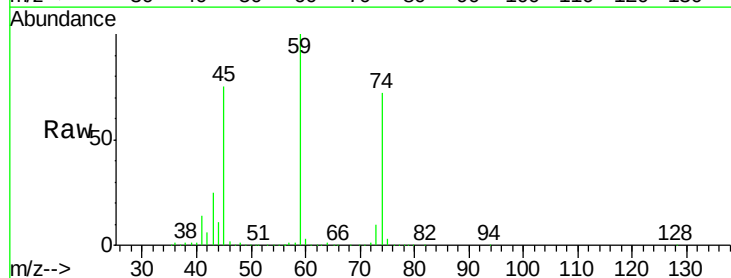
Tot Ion:101 Resp: 214230
 Ion Ratio Lower Upper
 101 100
 103 67.3 52.8 79.2

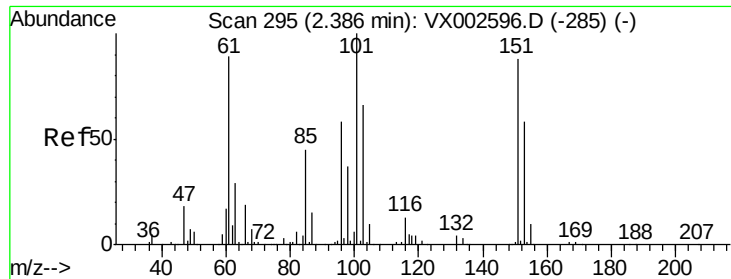


#8

Diethyl Ether
 Concen: 49.19 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

Tgt Ion: 74 Resp: 82614
 Ion Ratio Lower Upper
 74 100
 45 103.5 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.72 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

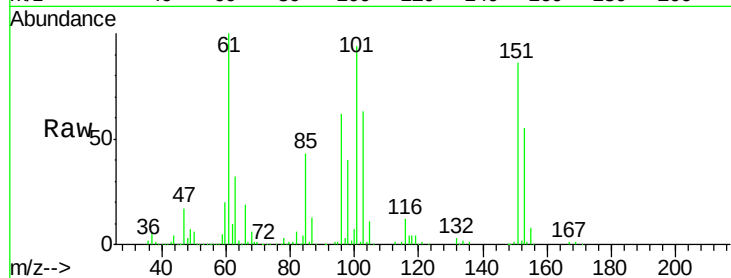
Tot Ion:101 Resp: 115318

Ion Ratio Lower Upper

101 100

85 45.7 36.0 54.0

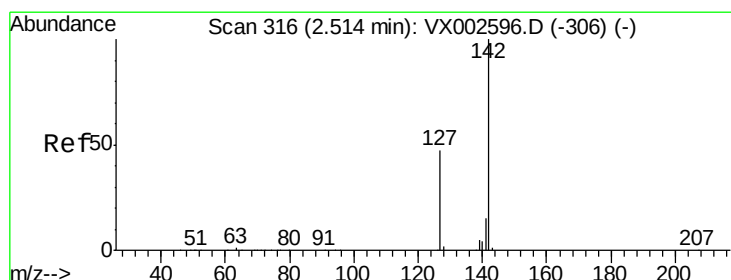
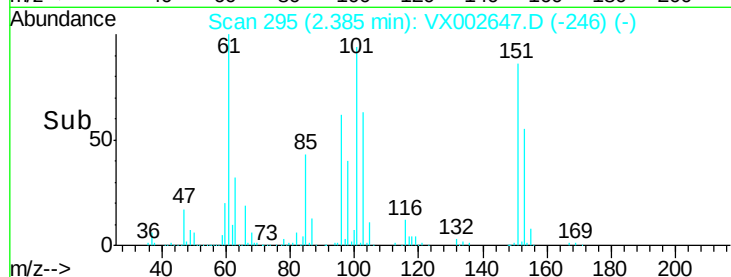
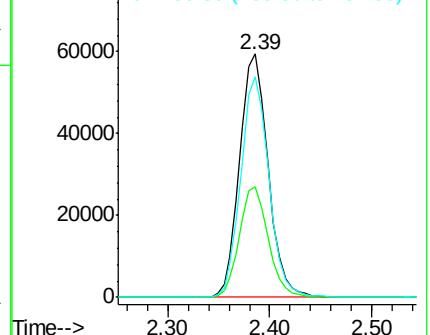
151 89.8 70.9 106.3



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: 43.85 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

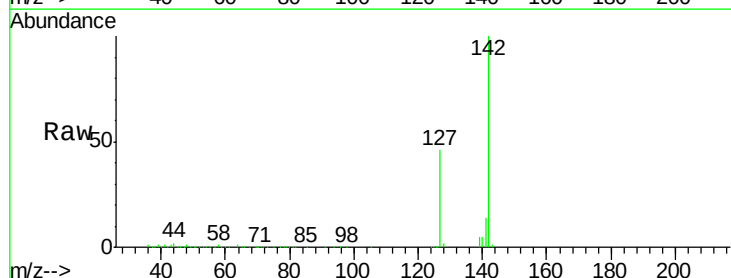
Tgt Ion:142 Resp: 143690

Ion Ratio Lower Upper

142 100

127 45.7 36.6 55.0

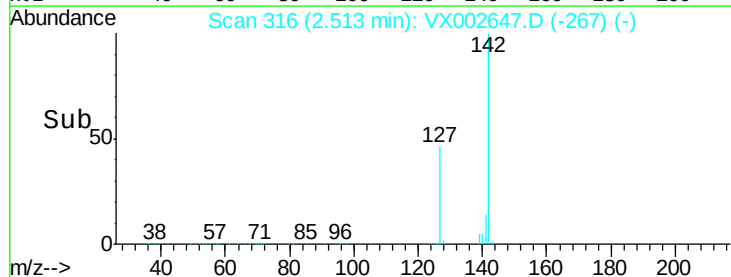
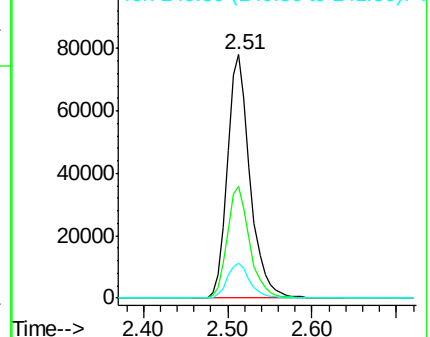
141 14.5 11.3 16.9

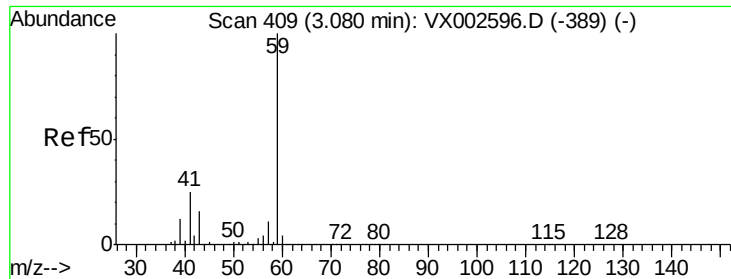


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

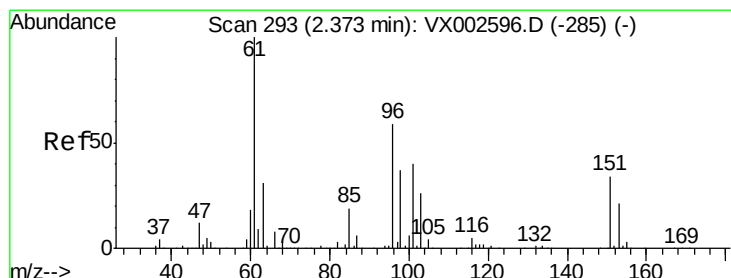
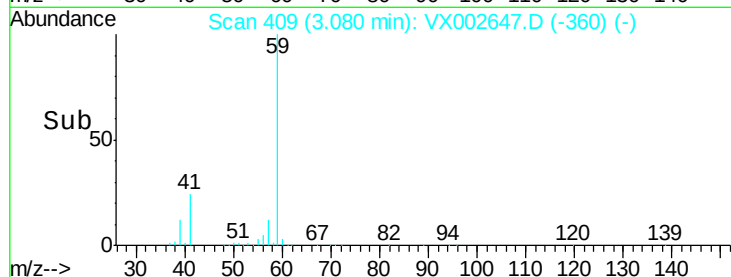
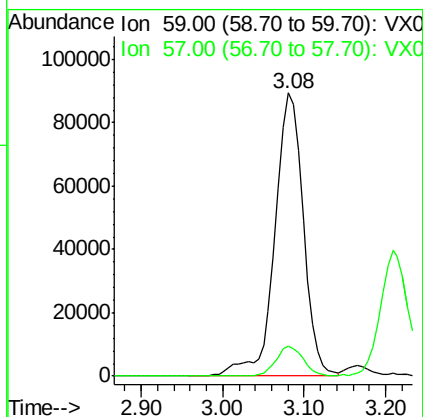
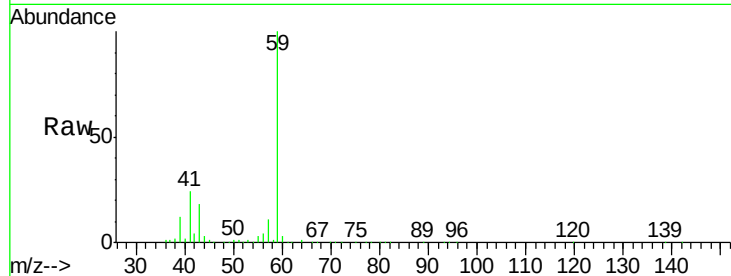




#11
Tert butyl alcohol
Concen: 333.45 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

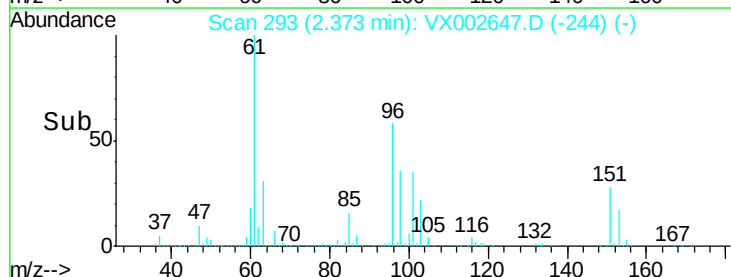
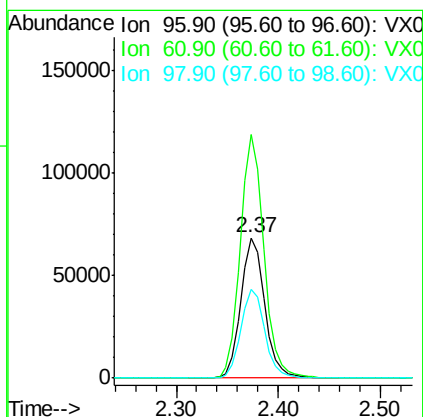
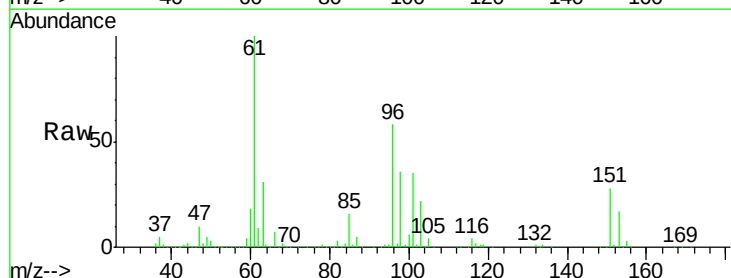
Instrument :
MSVOA_X
ClientSampled :

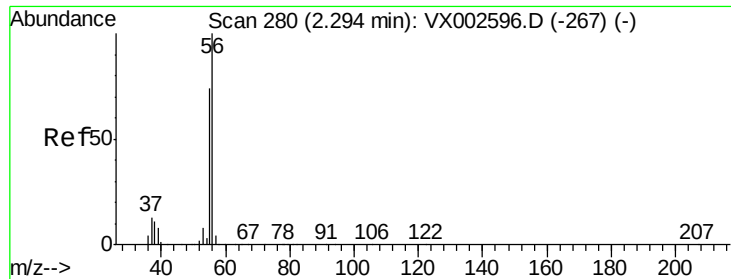
Tot Ion: 59 Resp: 217243
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.2



#12
1,1-Dichloroethene
Concen: 47.97 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

Tgt Ion: 96 Resp: 111161
Ion Ratio Lower Upper
96 100
61 173.5 137.9 206.9
98 63.0 51.6 77.4





#13

Acrolein

Concen: 247.77 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

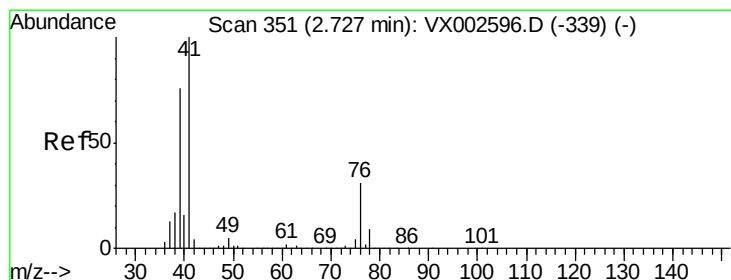
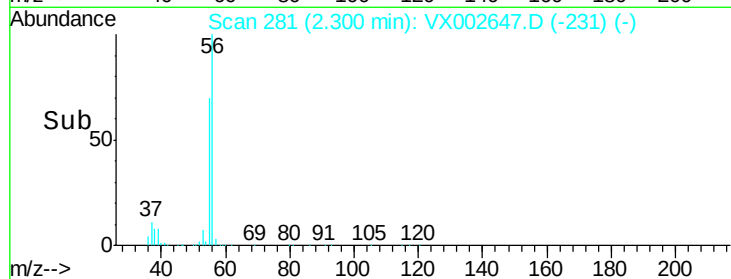
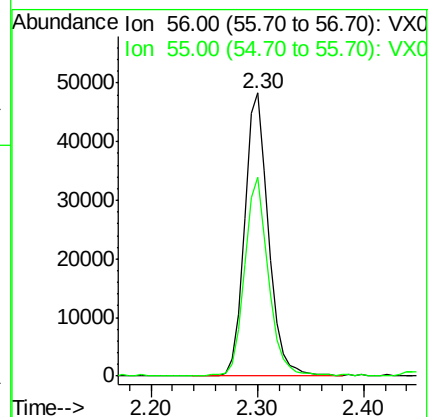
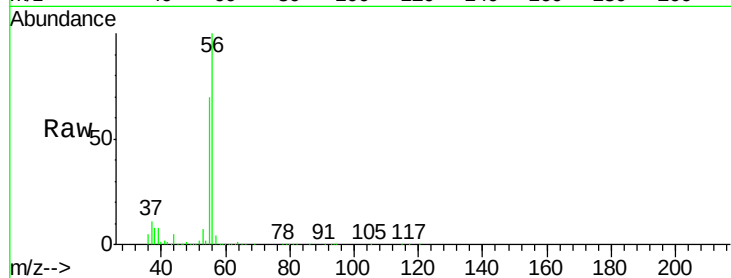
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 75655

Ion Ratio Lower Upper

56 100

55 69.6 57.0 85.4



#14

Allyl chloride

Concen: 46.72 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

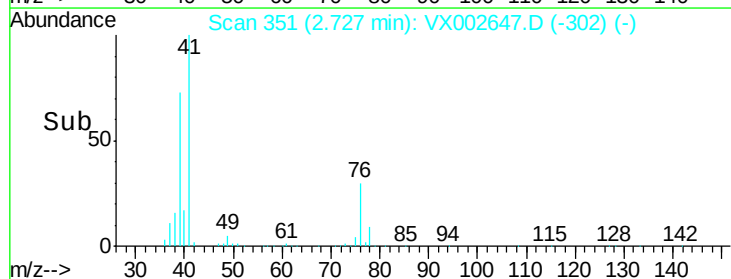
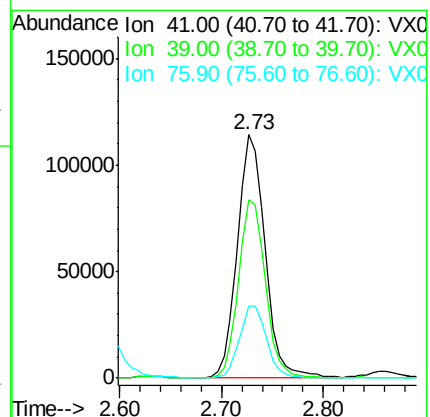
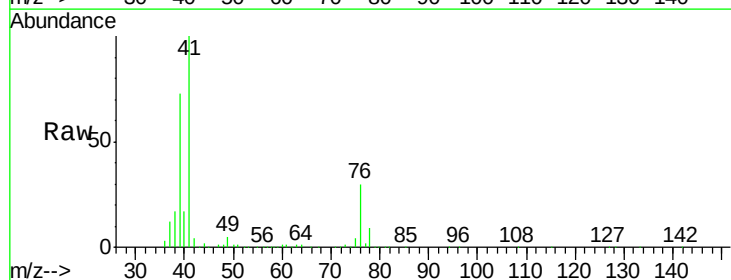
Tgt Ion: 41 Resp: 214936

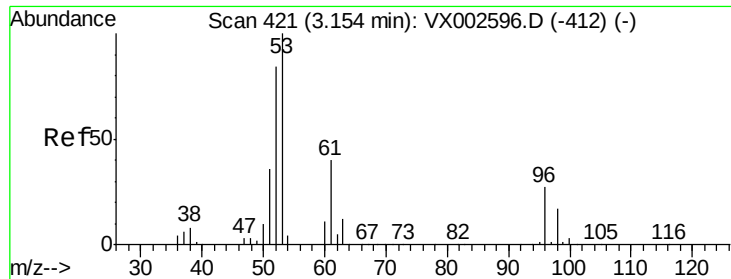
Ion Ratio Lower Upper

41 100

39 70.5 56.8 85.2

76 28.7 23.8 35.8





#15

Acrylonitrile

Concen: 273.04 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

ClientSampled :

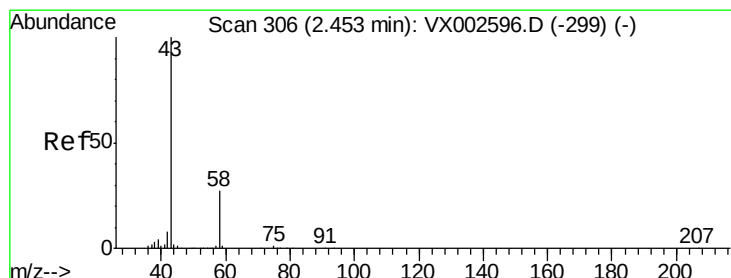
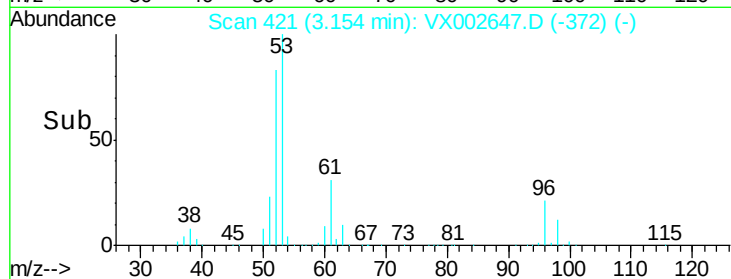
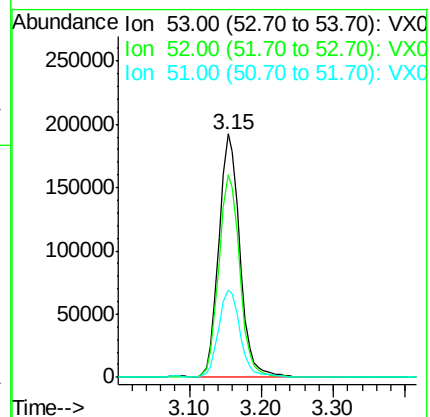
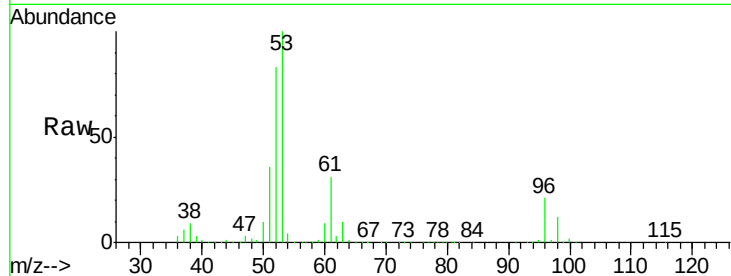
Tot Ion: 53 Resp: 388170

Ion Ratio Lower Upper

53 100

52 82.7 66.7 100.1

51 37.1 29.9 44.9



#16

Acetone

Concen: 274.52 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002647.D

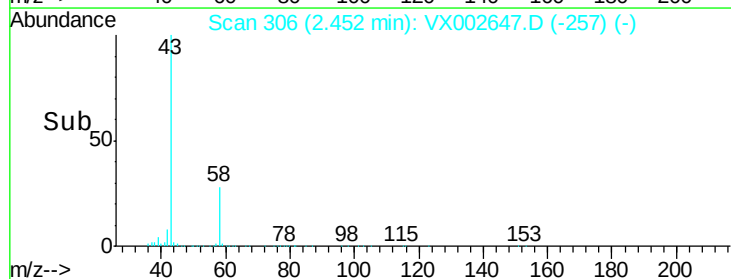
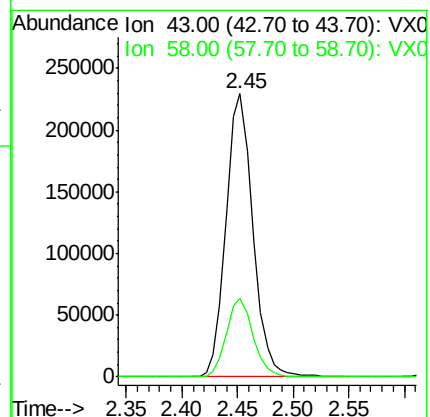
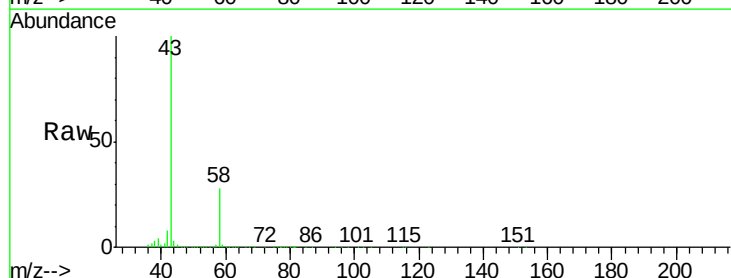
Acq: 16 Jun 2018 14:42

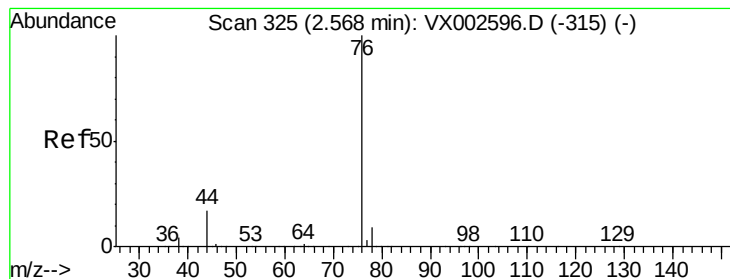
Tgt Ion: 43 Resp: 381690

Ion Ratio Lower Upper

43 100

58 27.6 22.1 33.1





#17

Carbon Disulfide

Concen: 50.59 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

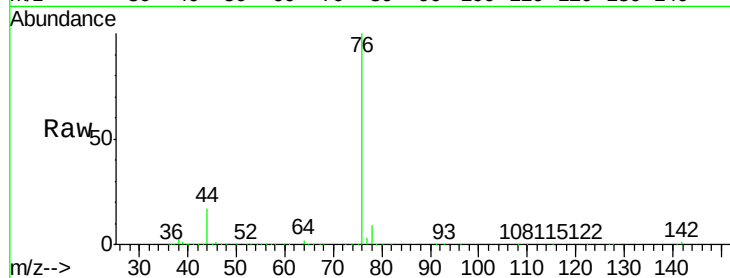
ClientSampleId :

Tot Ion: 76 Resp: 278055

Ion Ratio Lower Upper

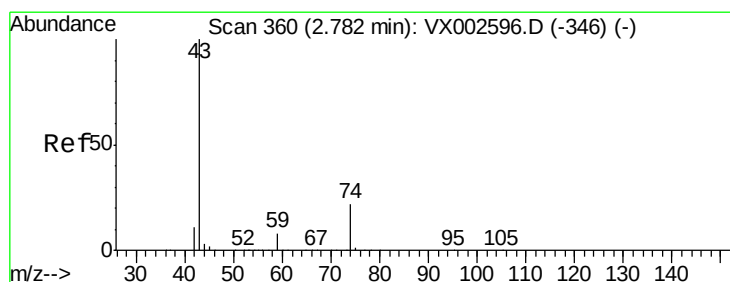
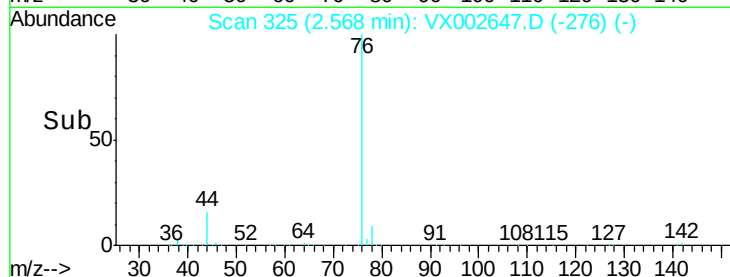
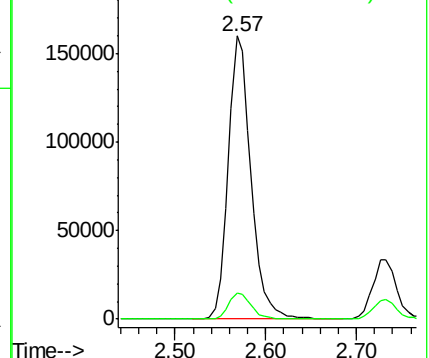
76 100

78 9.1 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 52.91 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002647.D

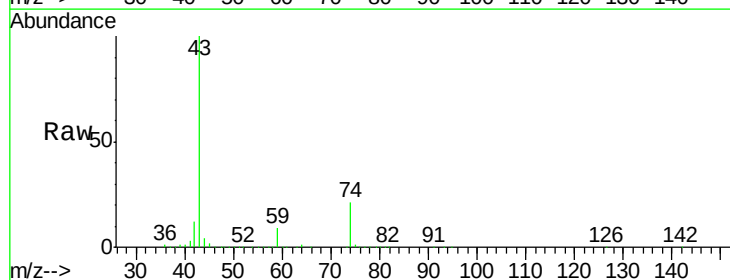
Acq: 16 Jun 2018 14:42

Tgt Ion: 43 Resp: 195987

Ion Ratio Lower Upper

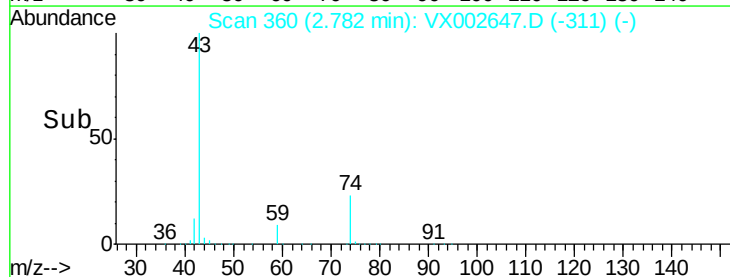
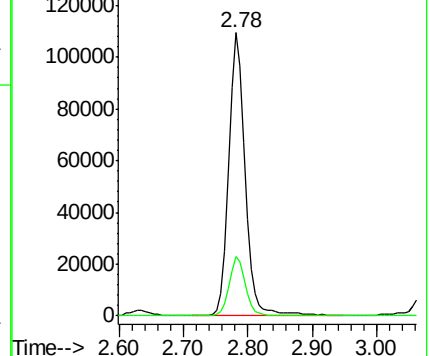
43 100

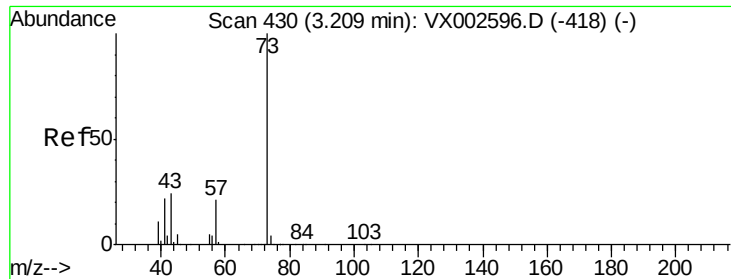
74 20.5 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

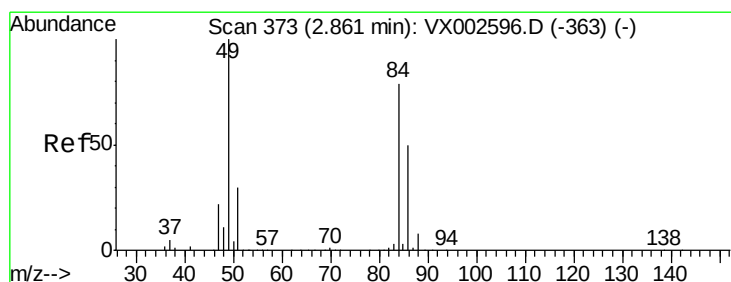
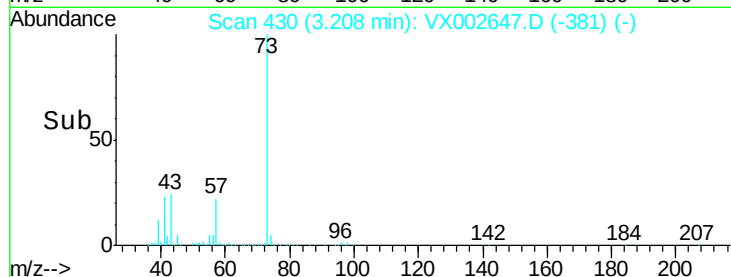
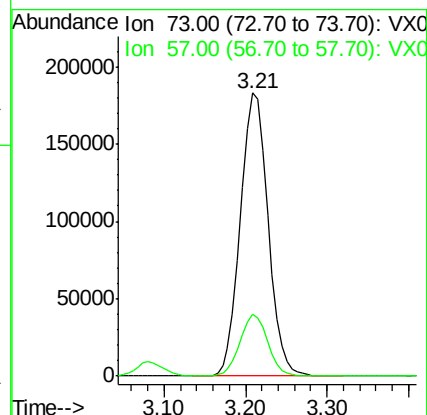
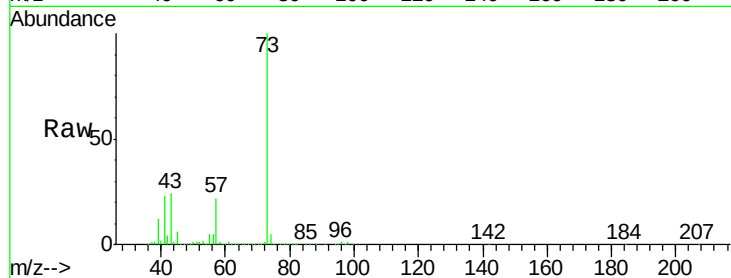




#19
Methyl tert-butyl Ether
Concen: 49.61 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

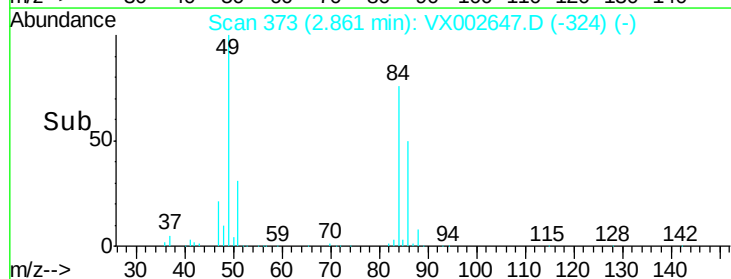
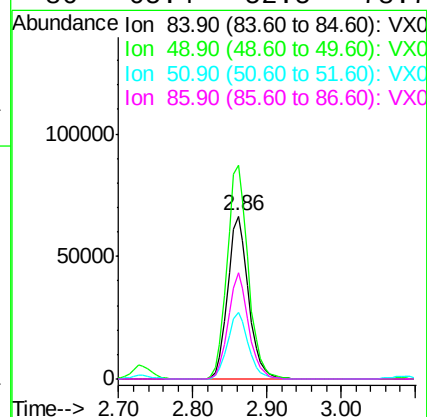
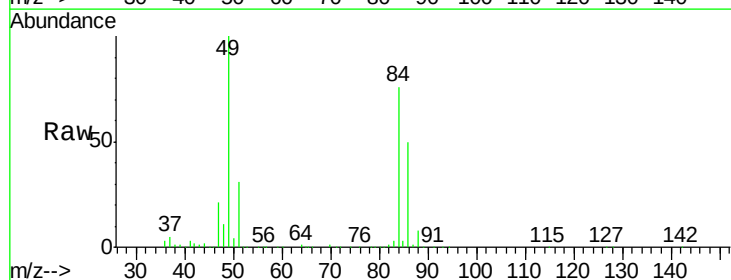
Instrument :
MSVOA_X
ClientSampleId :

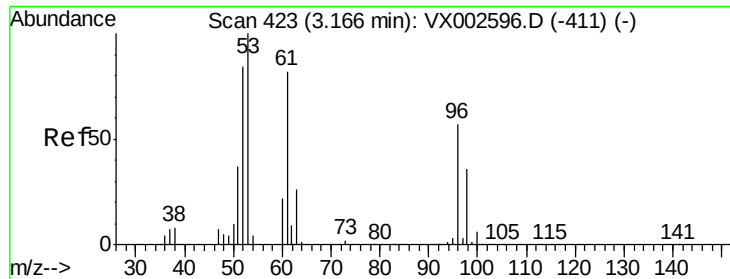
Tot Ion: 73 Resp: 431224
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5



#20
Methylene Chloride
Concen: 45.32 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

Tgt Ion: 84 Resp: 129215
Ion Ratio Lower Upper
84 100
49 131.1 107.8 161.6
51 40.5 32.8 49.2
86 65.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.69 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

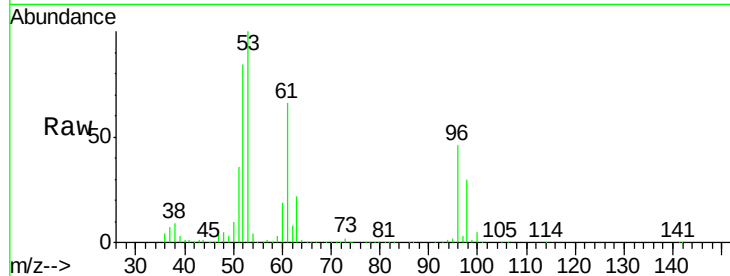
Tot Ion: 96 Resp: 122397

Ion Ratio Lower Upper

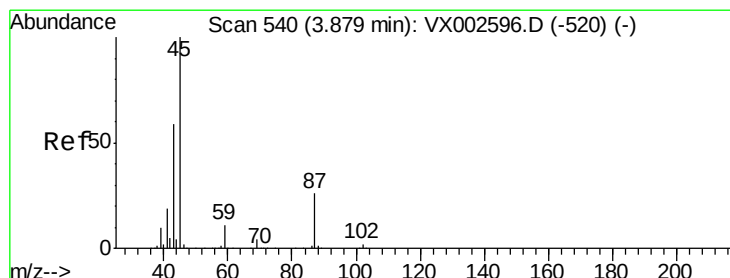
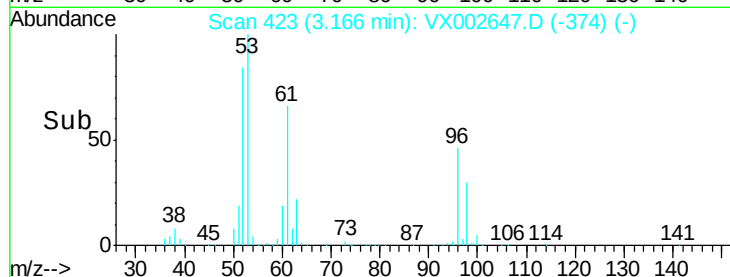
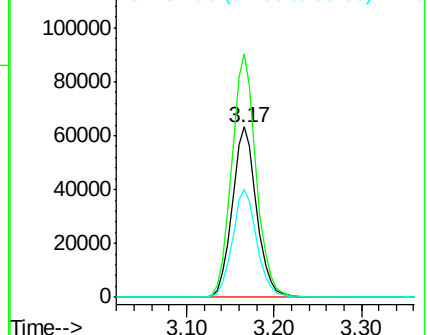
96 100

61 142.7 117.0 175.4

98 63.7 52.4 78.6



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



#22

Diisopropyl ether

Concen: 49.03 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Tgt Ion: 45 Resp: 408127

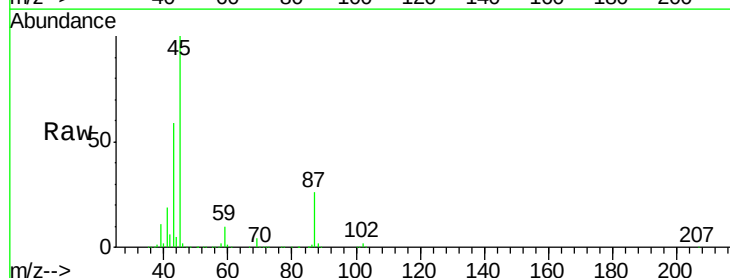
Ion Ratio Lower Upper

45 100

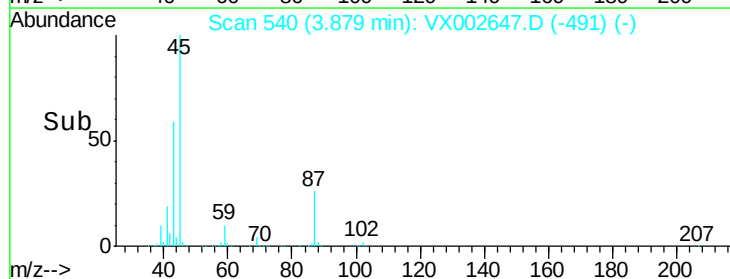
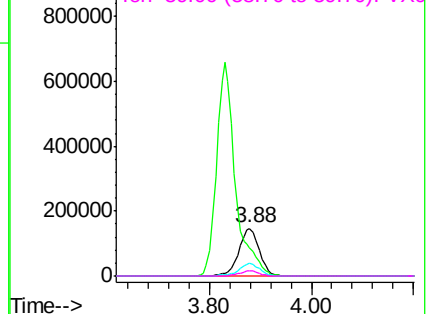
43 59.2 46.8 70.2

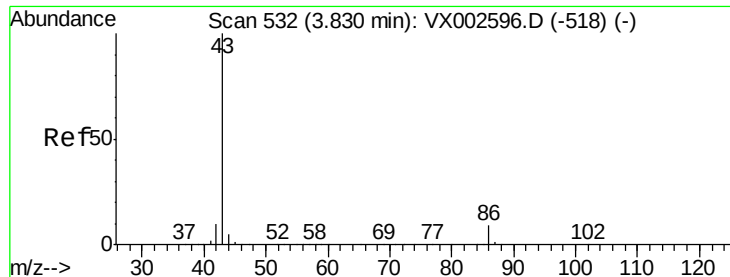
87 26.4 20.2 30.4

59 10.4 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 242.06 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

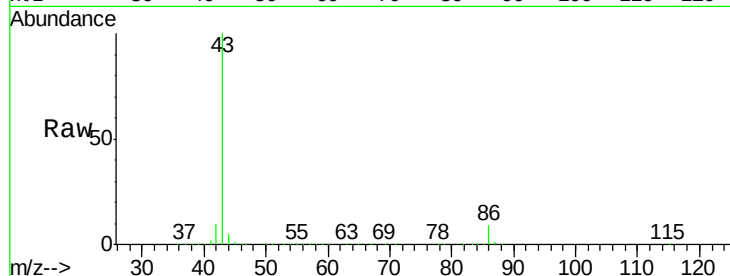
ClientSampleId :

Tot Ion: 43 Resp: 1686479

Ion Ratio Lower Upper

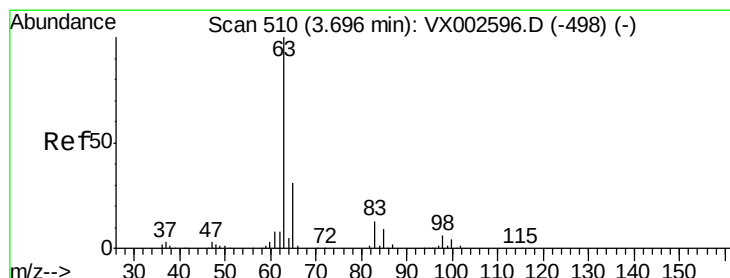
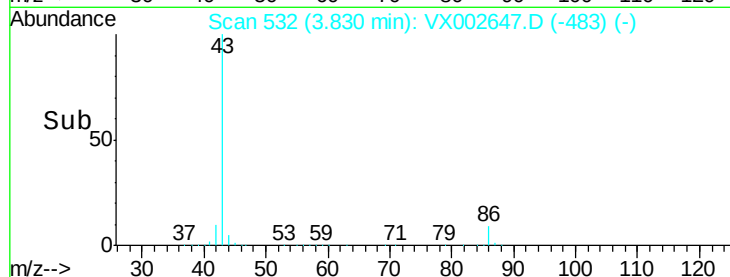
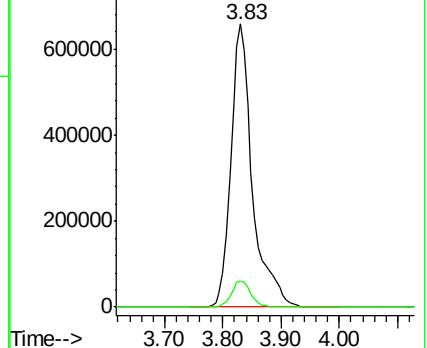
43 100

86 9.3 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: 52.09 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

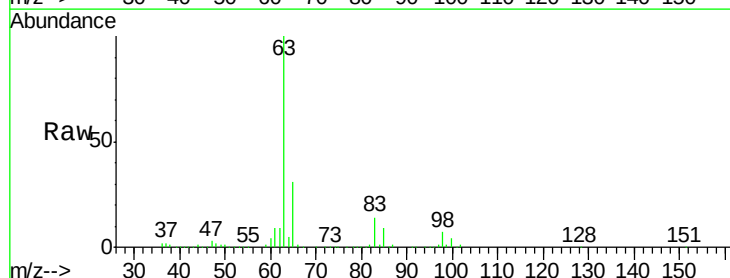
Tgt Ion: 63 Resp: 235358

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

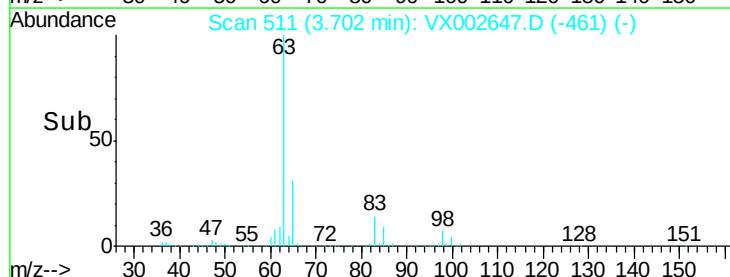
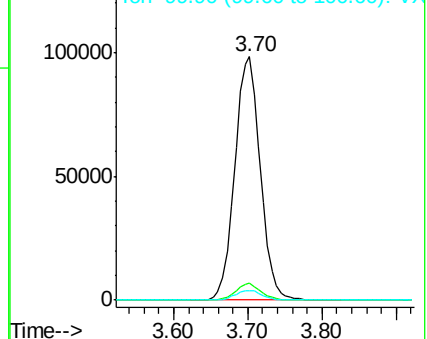
100 3.9 2.0 6.0

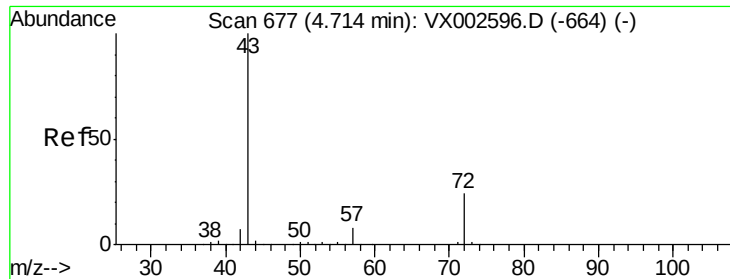


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 289.30 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

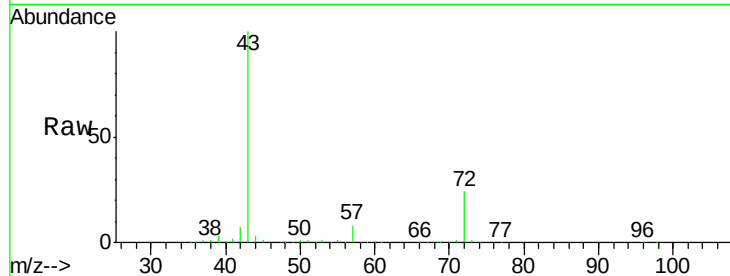
ClientSampled :

Tot Ion: 43 Resp: 528256

Ion Ratio Lower Upper

43 100

72 24.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

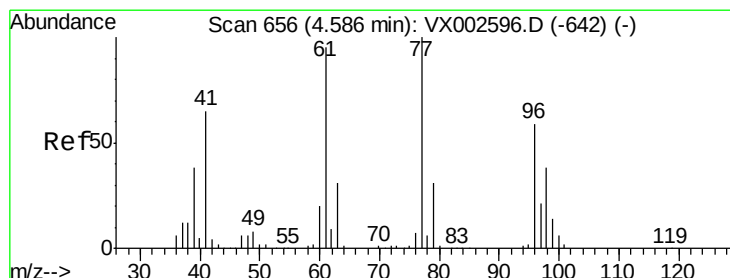
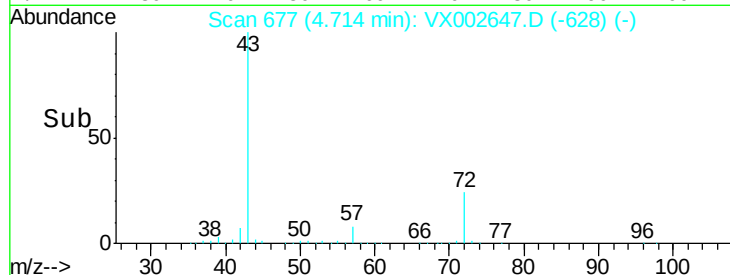
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 26.36 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002647.D

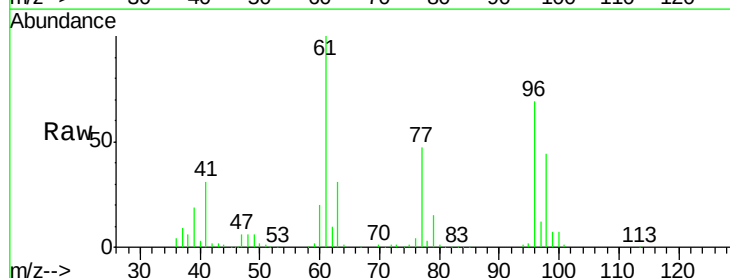
Acq: 16 Jun 2018 14:42

Tgt Ion: 77 Resp: 85581

Ion Ratio Lower Upper

77 100

97 26.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

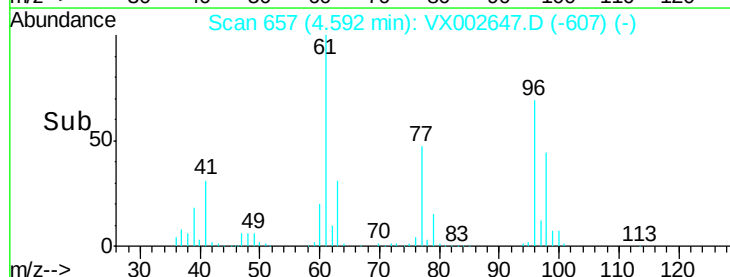
10000

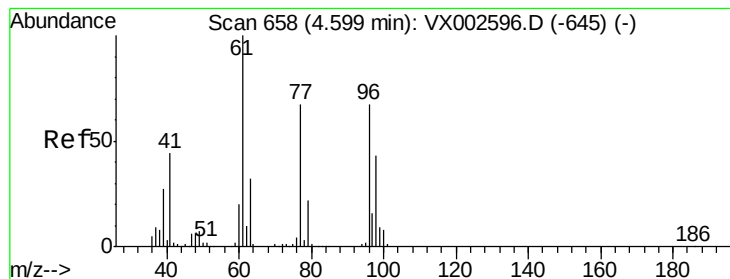
5000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.75 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :

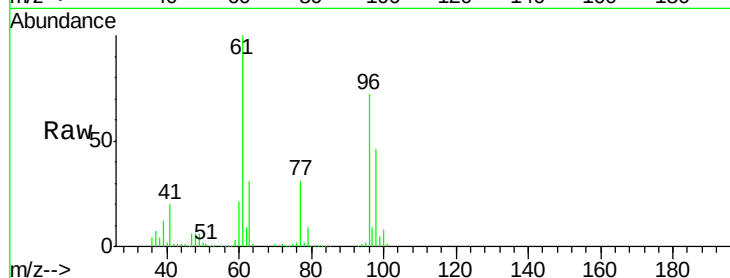
Tot Ion: 96 Resp: 129823

Ion Ratio Lower Upper

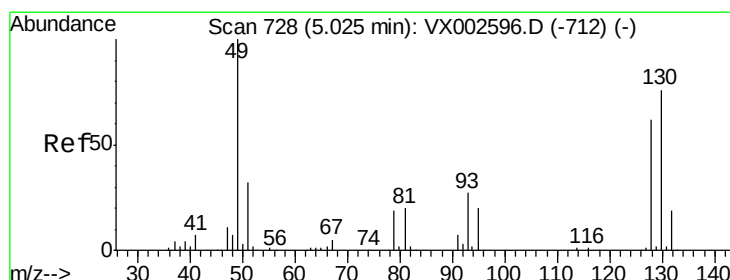
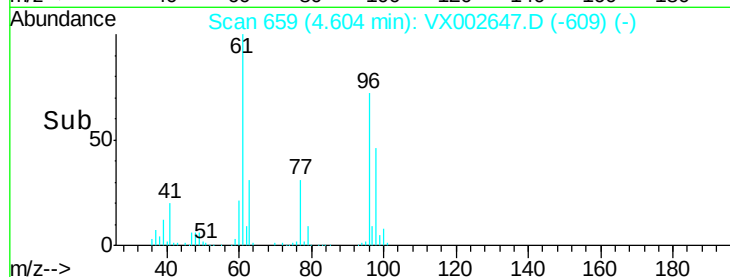
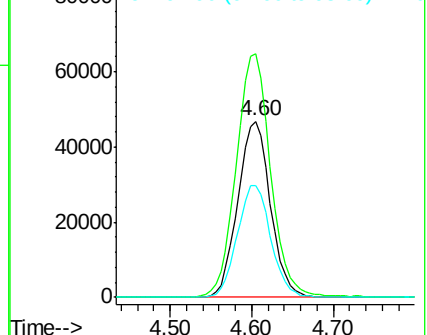
96 100

61 145.8 0.0 330.2

98 65.1 0.0 130.2



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



#28

Bromochloromethane

Concen: 52.83 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

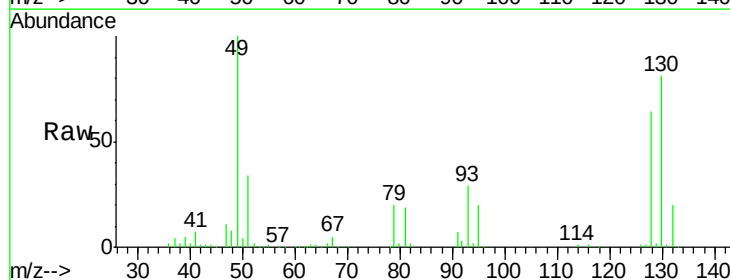
Tgt Ion: 49 Resp: 111788

Ion Ratio Lower Upper

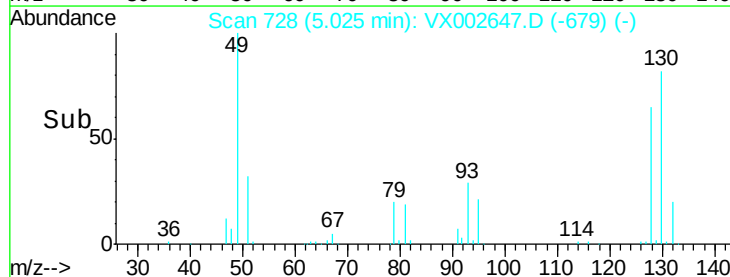
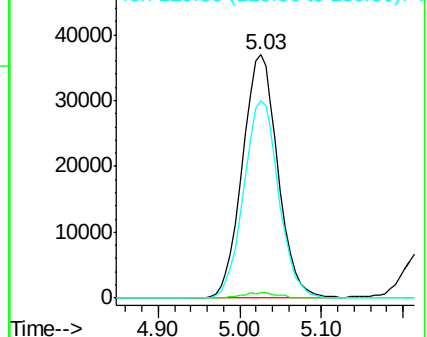
49 100

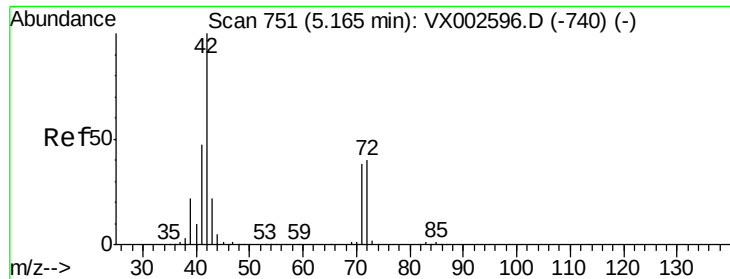
129 2.2 0.0 4.2

130 80.0 61.2 91.8



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

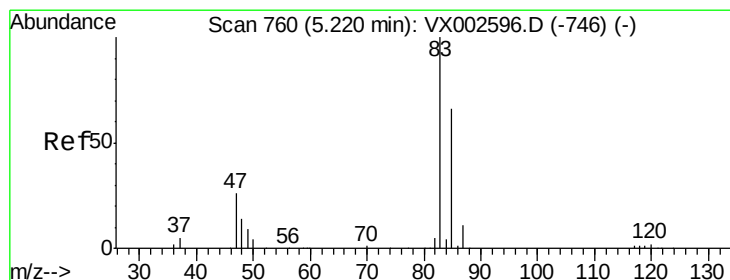
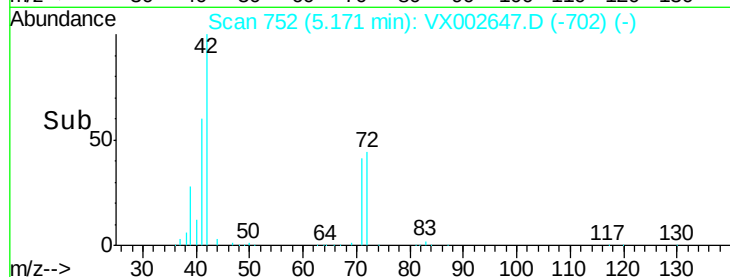
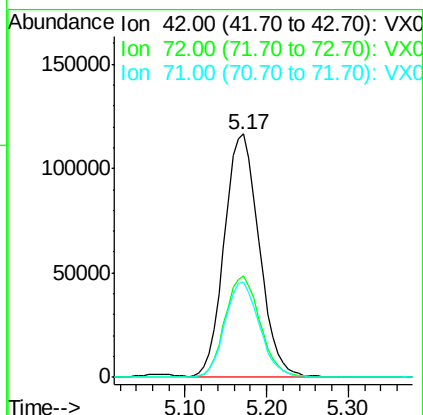
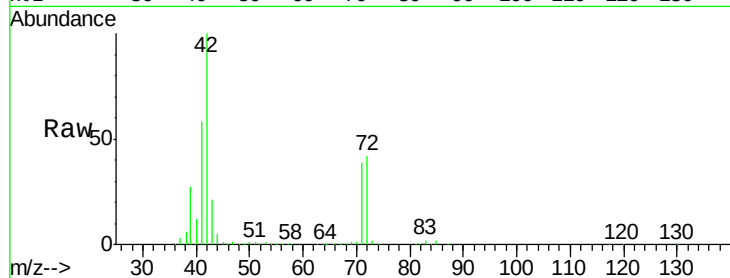




#29
Tetrahydrofuran
Concen: 287.66 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

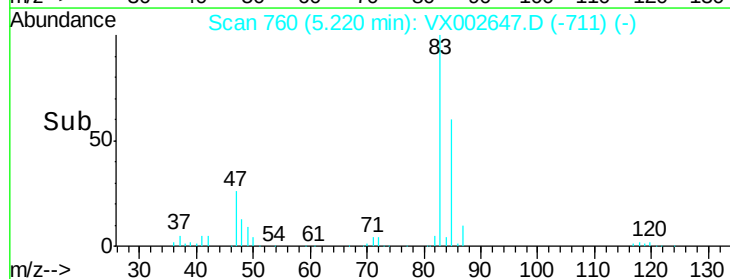
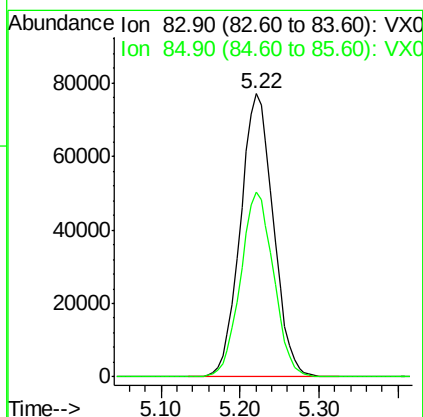
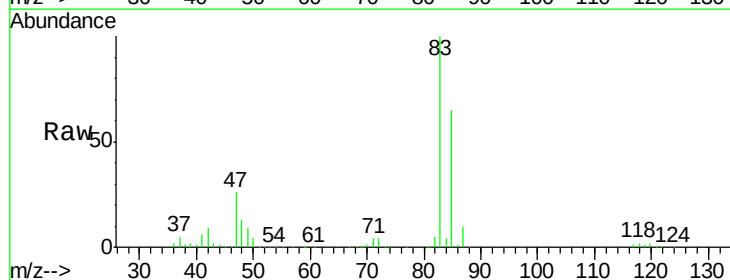
Instrument :
MSVOA_X
ClientSampled :

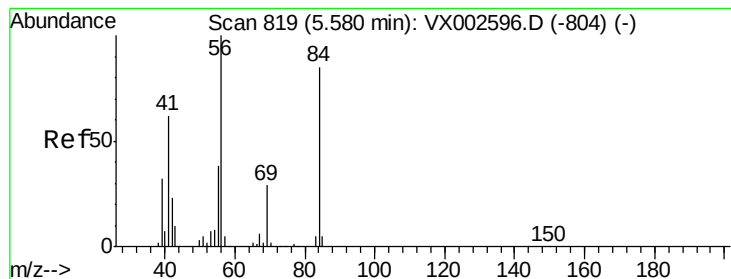
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.0	48.0
71	39.0	30.1	45.1



#30
Chloroform
Concen: 51.44 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.4	75.6





#31

Cyclohexane

Concen: 48.55 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

ClientSampled :

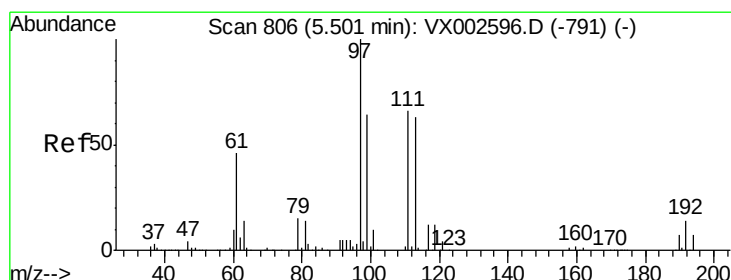
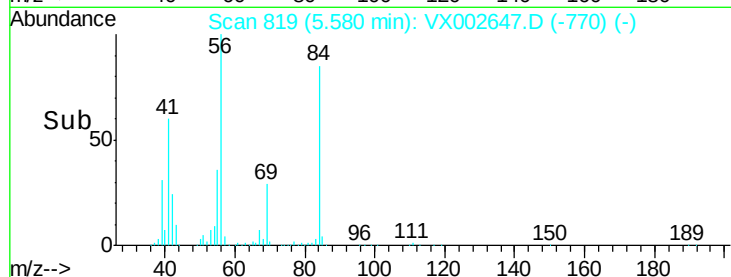
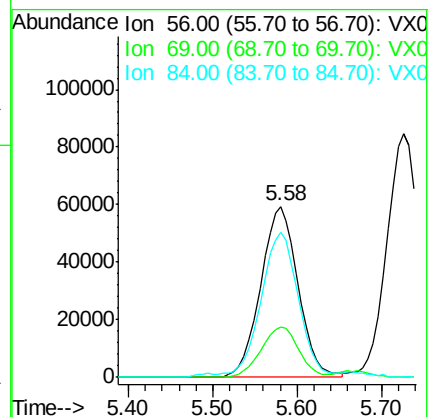
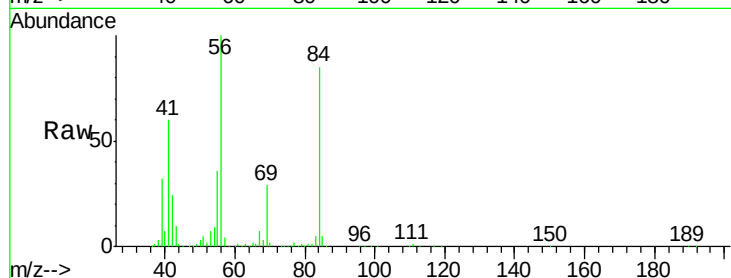
Tot Ion: 56 Resp: 180594

Ion Ratio Lower Upper

56 100

69 29.4 23.7 35.5

84 83.6 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 52.29 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

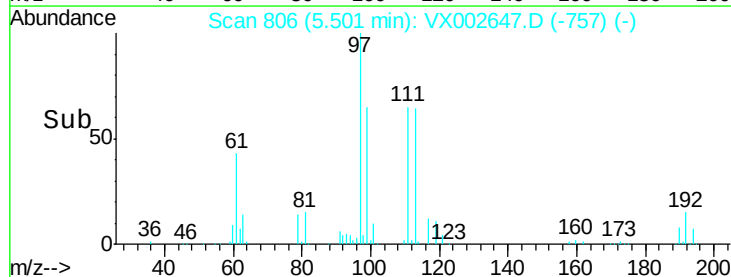
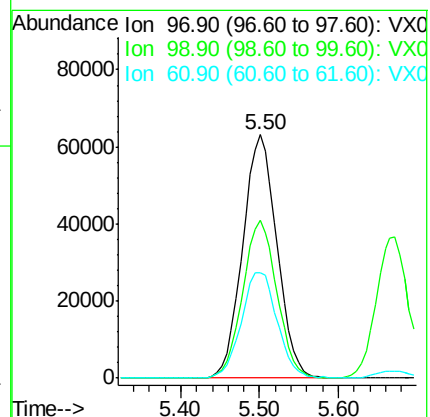
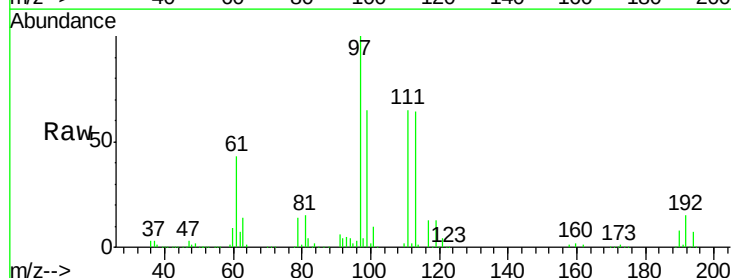
Tgt Ion: 97 Resp: 190539

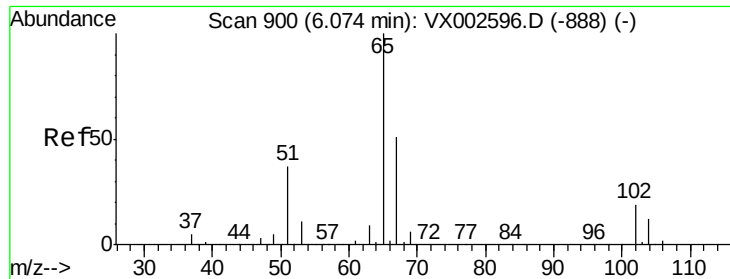
Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 45.6 36.4 54.6

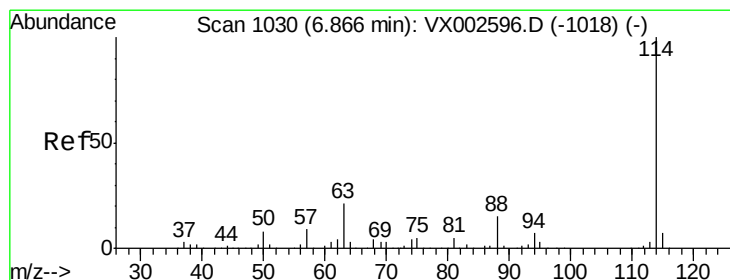
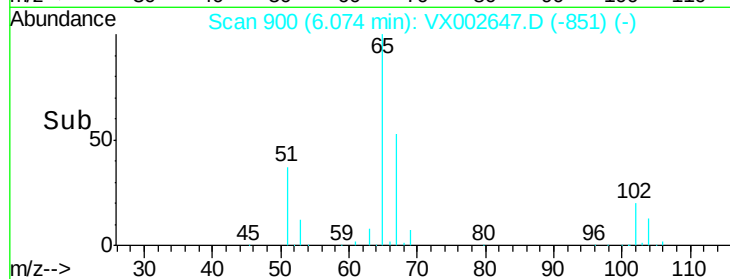
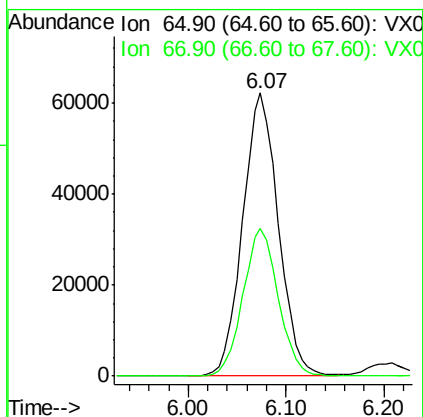
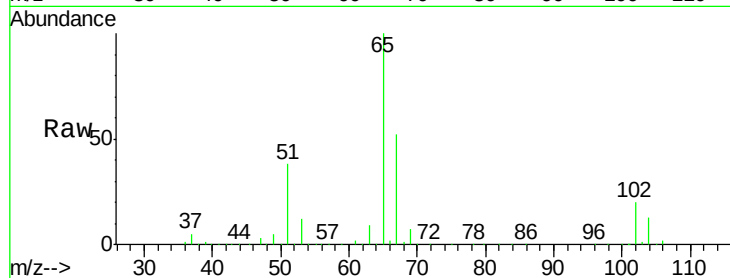




#33
 1,2-Dichloroethane-d4
 Concen: 49.88 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

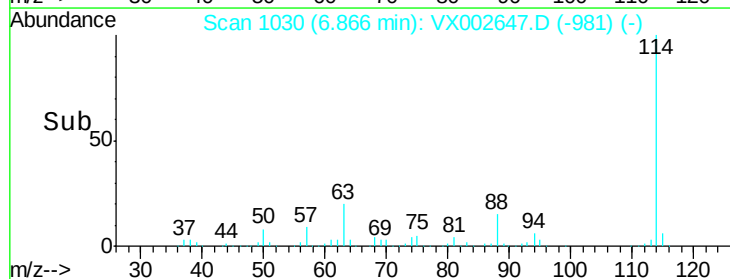
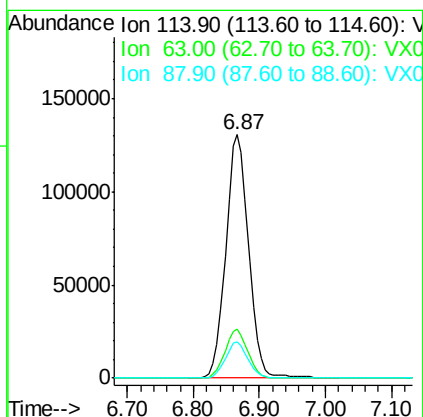
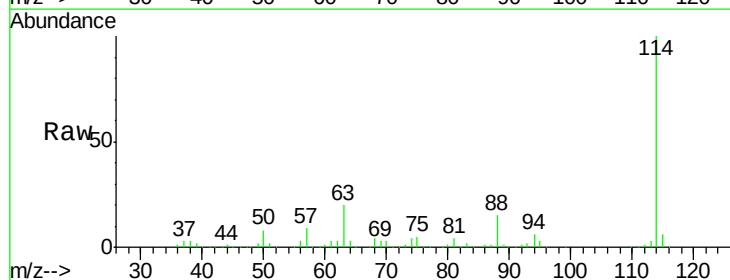
Instrument :
 MSVOA_X
 ClientSampleId :

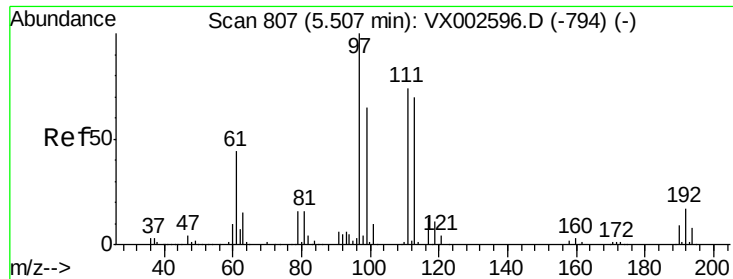
Tot Ion: 65 Resp: 157186
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

Tgt Ion: 114 Resp: 311361
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.1 0.0 30.0

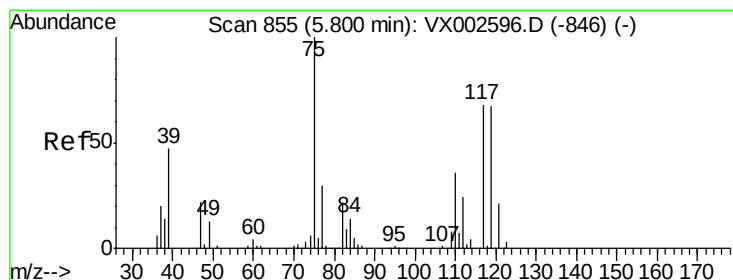
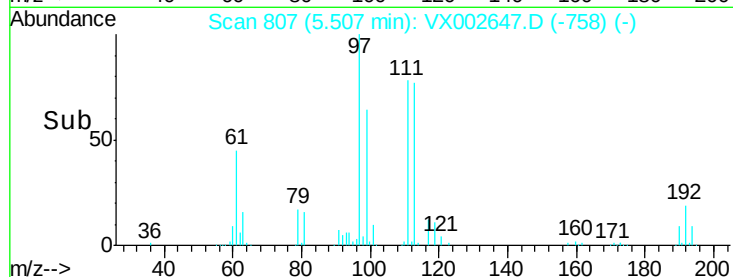
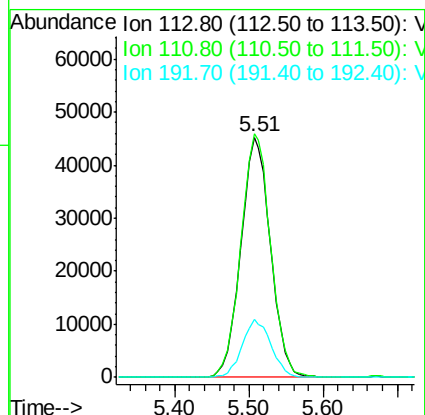
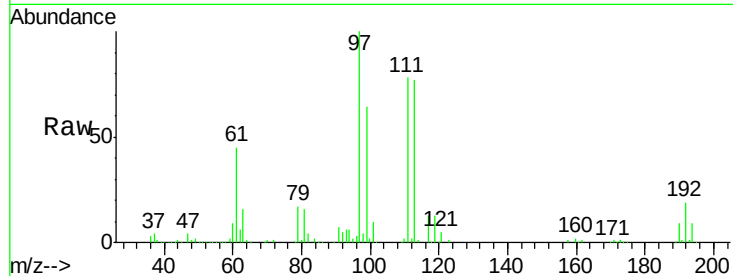




#35
 Dibromofluoromethane
 Concen: 50.78 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

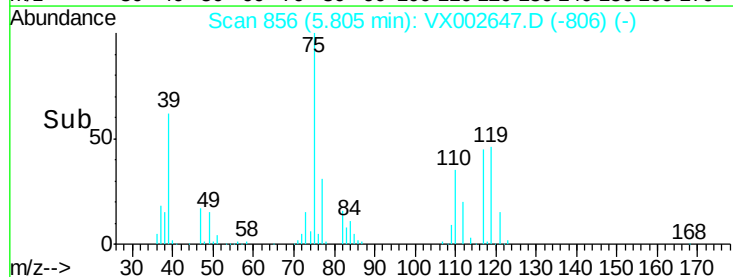
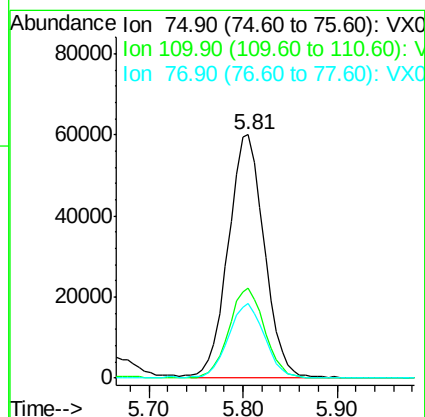
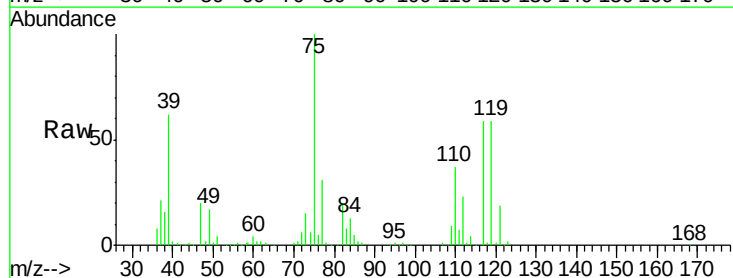
Instrument :
 MSVOA_X
 ClientSampleId :

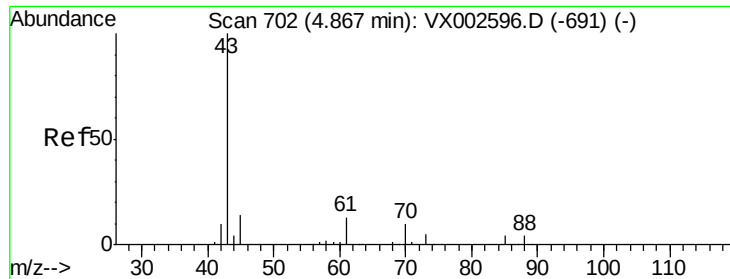
Tot Ion:113 Resp: 126185
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.0
 192 23.7 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 48.17 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

Tgt Ion: 75 Resp: 159279
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.1 54.4
 77 31.0 24.3 36.5

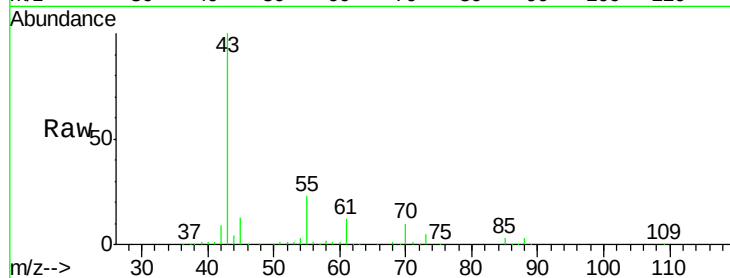




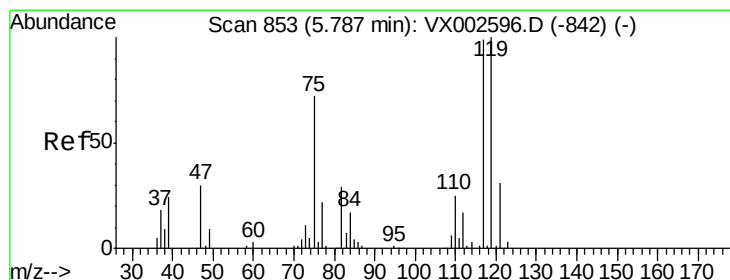
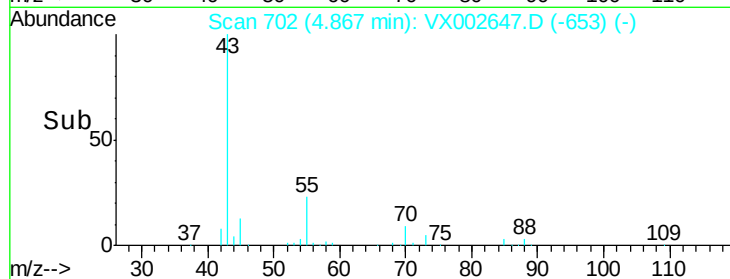
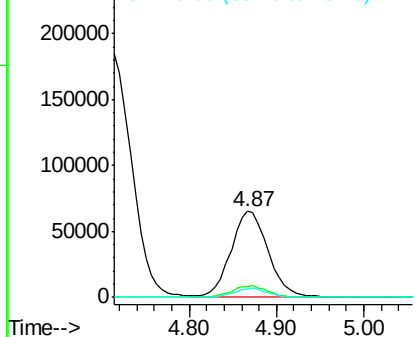
#37
Ethyl Acetate
Concen: 51.01 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	9.7	7.6	11.4

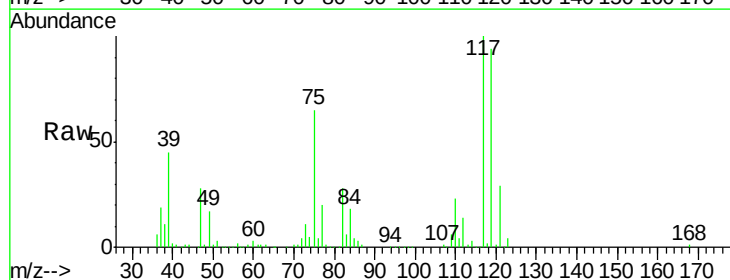


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

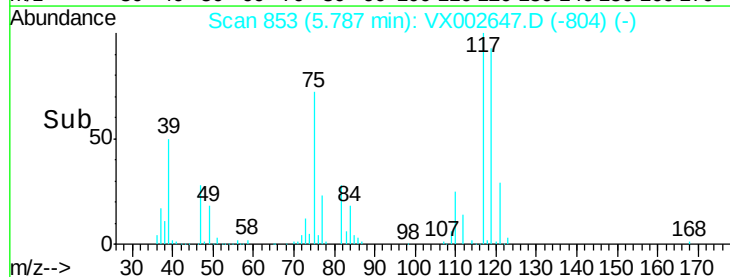
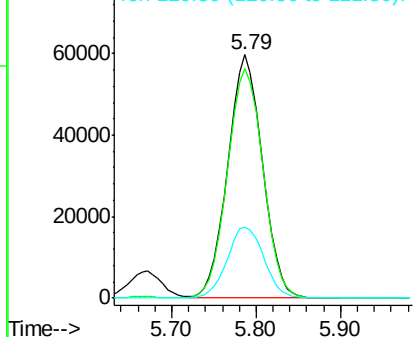


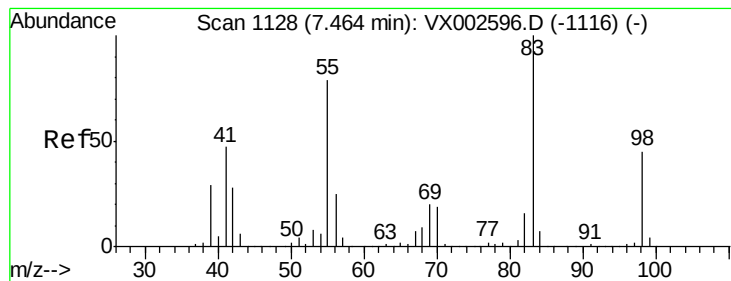
#38
Carbon Tetrachloride
Concen: 50.78 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.4	116.0
121	29.3	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

Methylvlcyclohexane

Concen: 46.33 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

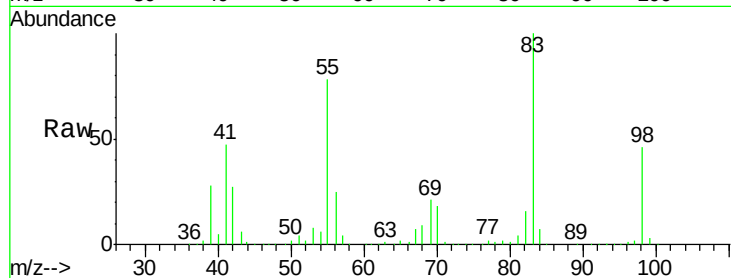
Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 179110

Ion	Ratio	Lower	Upper
83	100		
55	78.1	65.4	98.0
98	46.3	37.4	56.0

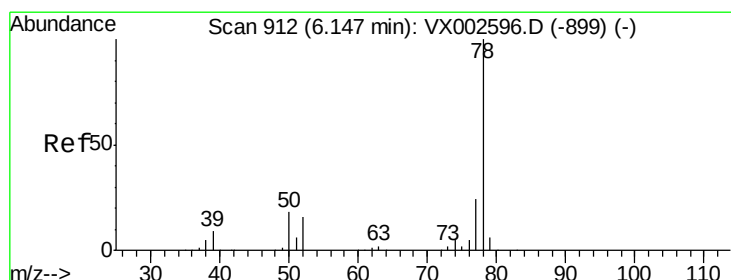
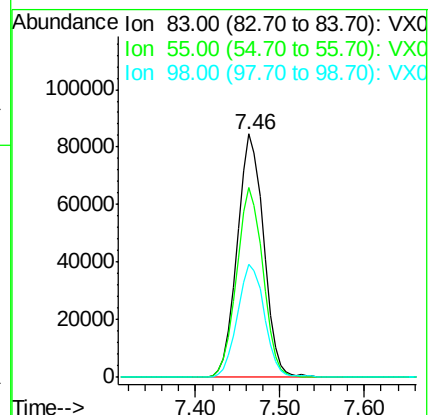
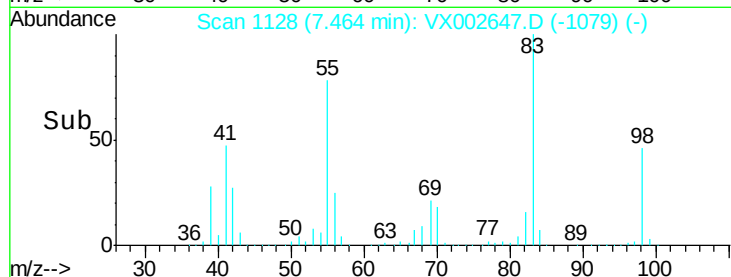


Abundance

Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 52.83 ug/l

RT: 6.15 min Scan# 912

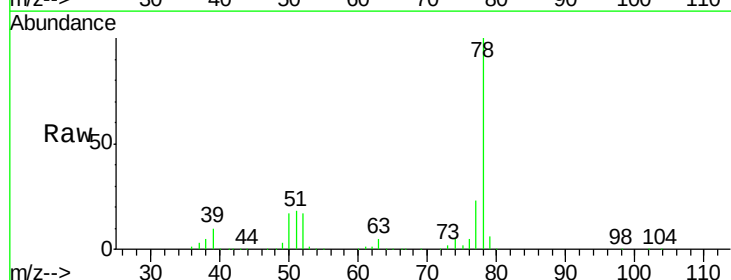
Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Tgt Ion: 78 Resp: 523884

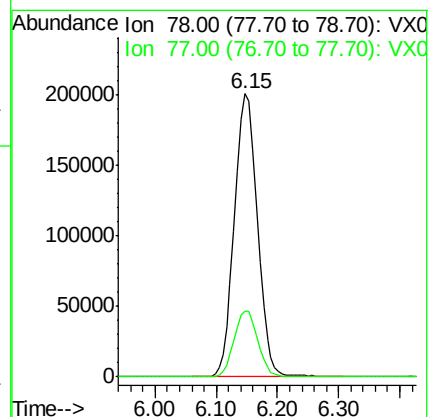
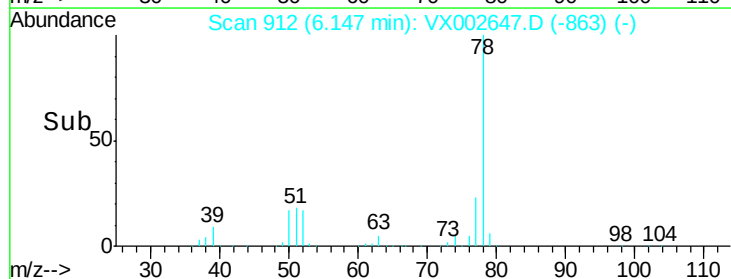
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7

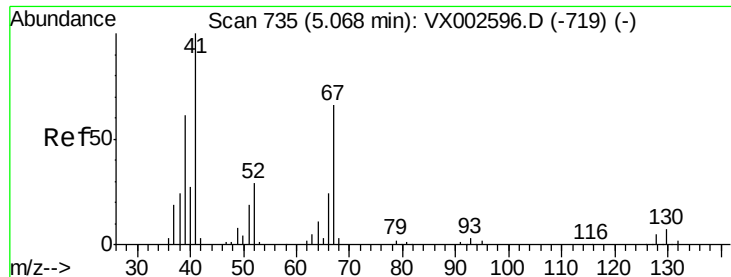


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

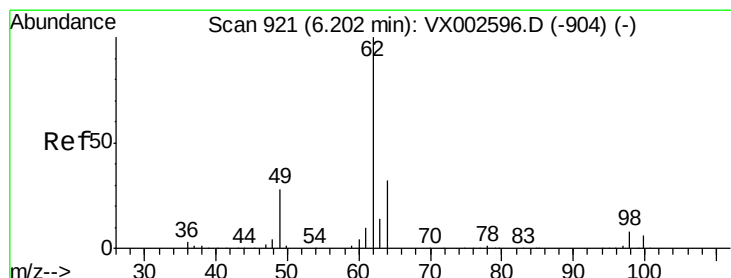
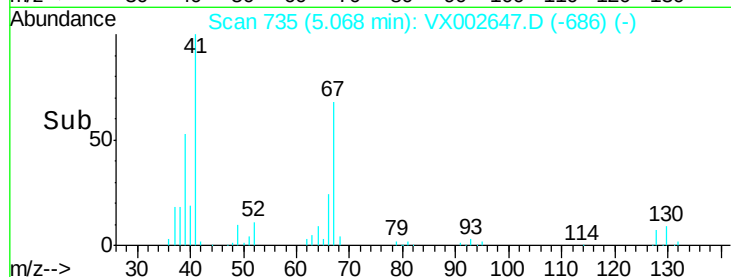
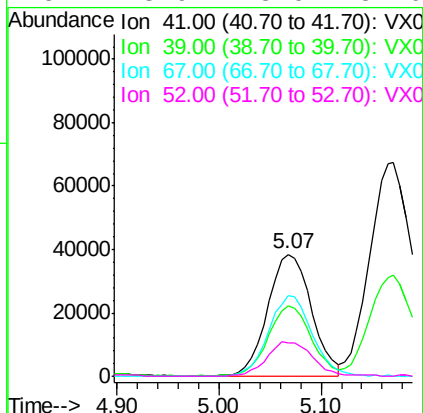
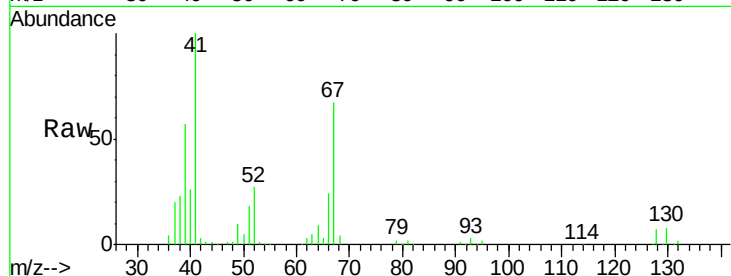




#41
Methacrylonitrile
Concen: 53.96 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

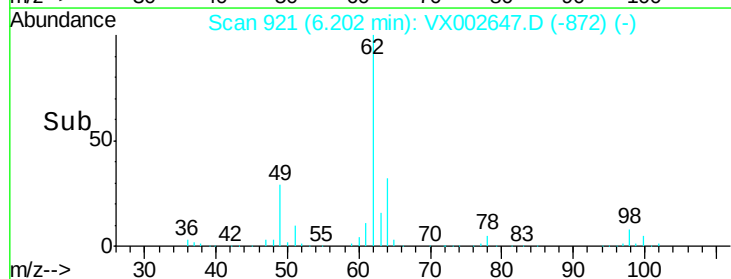
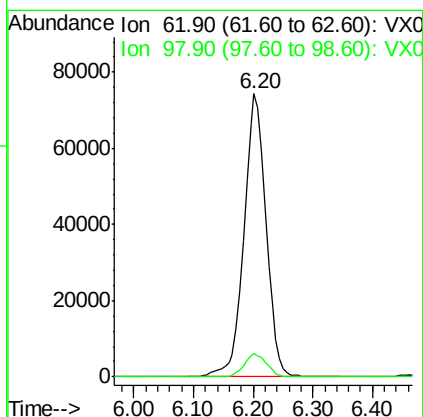
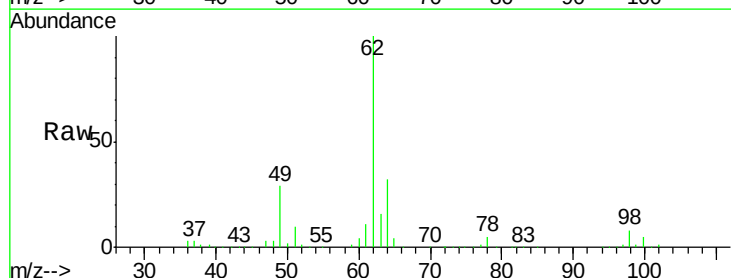
Instrument :
MSVOA_X
ClientSampled :

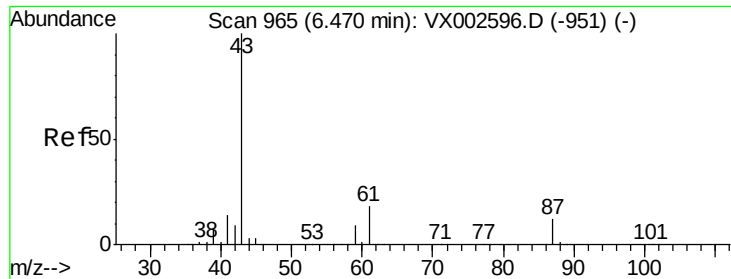
Tot Ion:	41	Resp:	114036
Ion	Ratio	Lower	Upper
41	100		
39	56.5	45.8	68.6
67	65.6	51.3	76.9
52	28.9	23.0	34.6



#42
1,2-Dichloroethane
Concen: 49.79 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

Tgt Ion:	62	Resp:	191151
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6



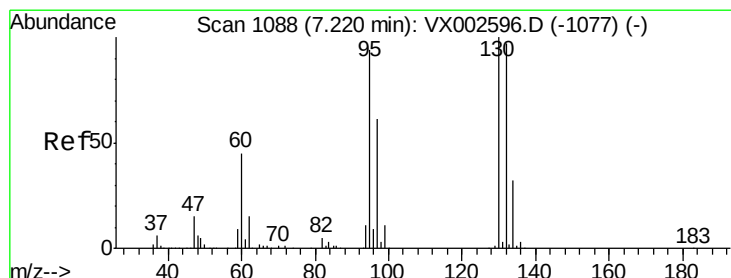
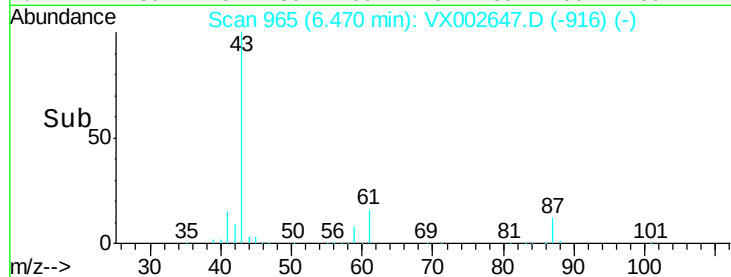
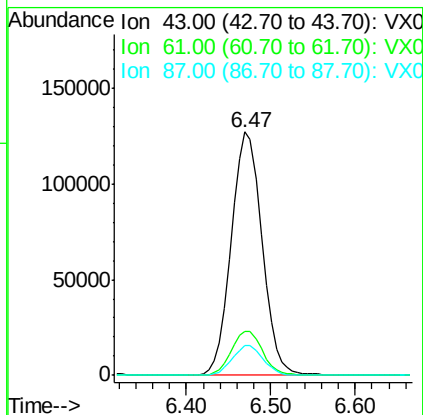
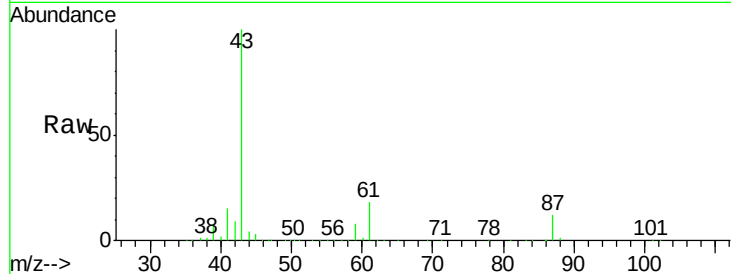


#43

Isopropyl Acetate
 Concen: 50.49 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

Instrument :
 MSVOA_X
 ClientSampled :

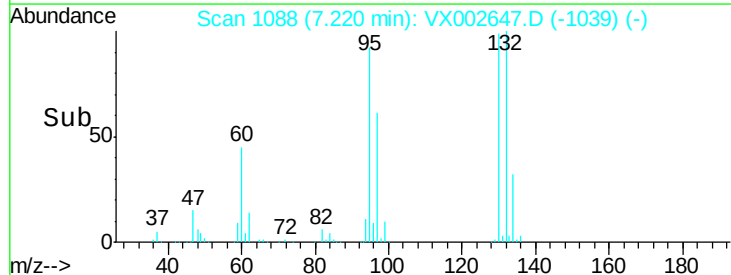
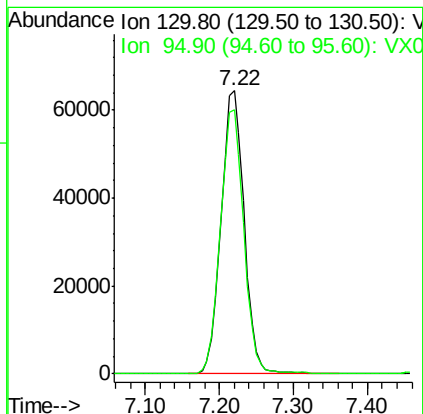
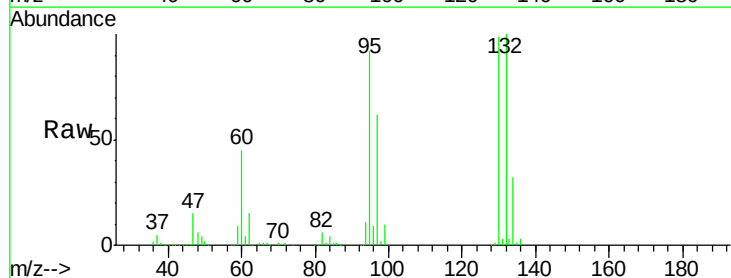
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.4	21.6
87	12.4	9.5	14.3

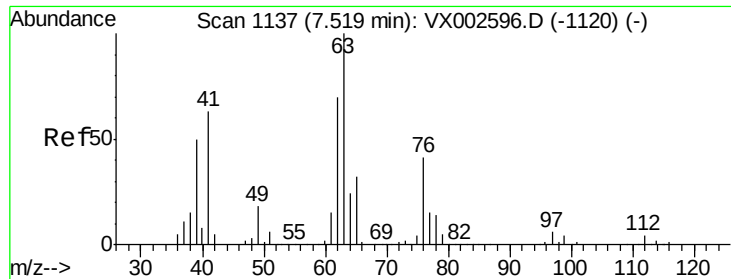


#44

Trichloroethene
 Concen: 48.74 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	185.4

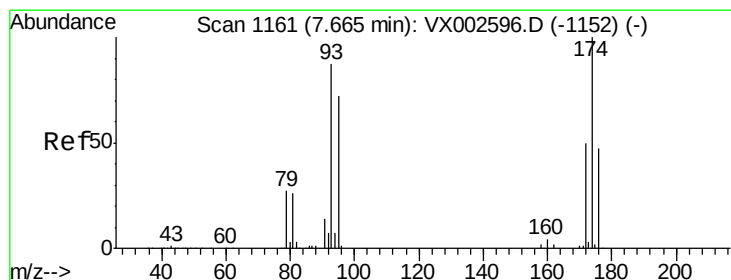
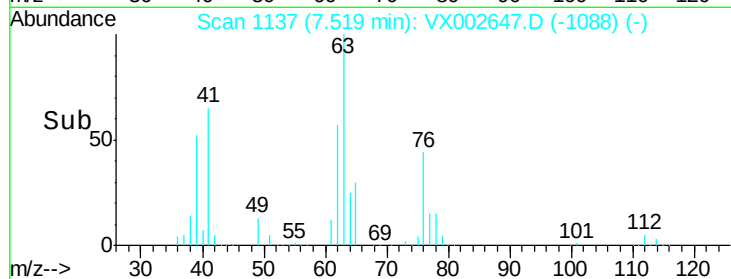
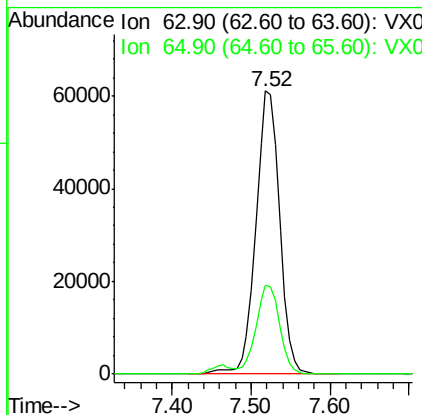
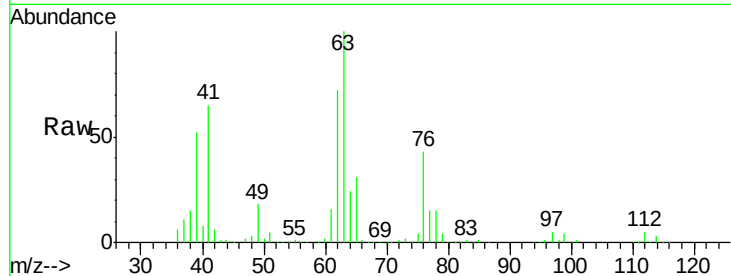




#45
 1,2-Dichloropropane
 Concen: 49.08 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

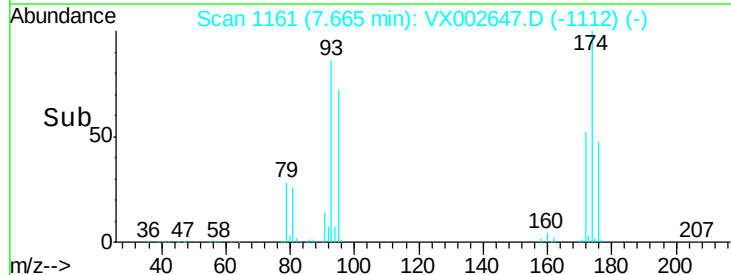
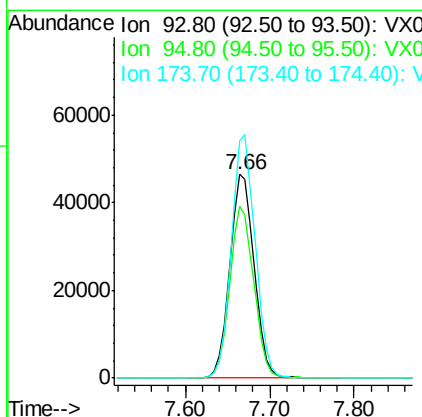
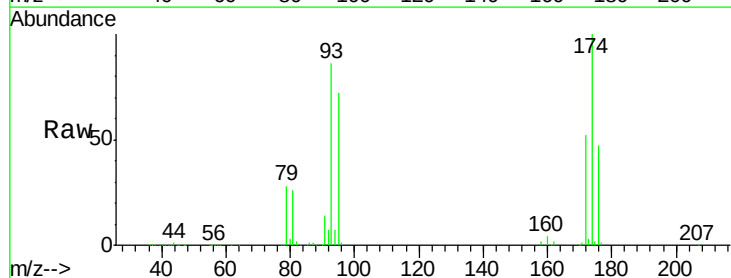
Instrument :
 MSVOA_X
 ClientSampleId :

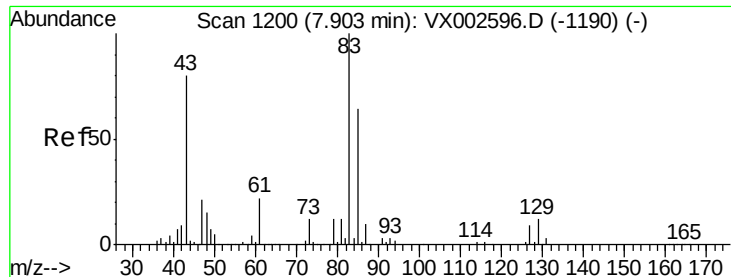
Tot Ion: 63 Resp: 128093
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1



#46
 Dibromomethane
 Concen: 52.14 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

Tgt Ion: 93 Resp: 91012
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.9 98.9
 174 116.3 92.4 138.6





#47

Bromodichloromethane

Concen: 53.29 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

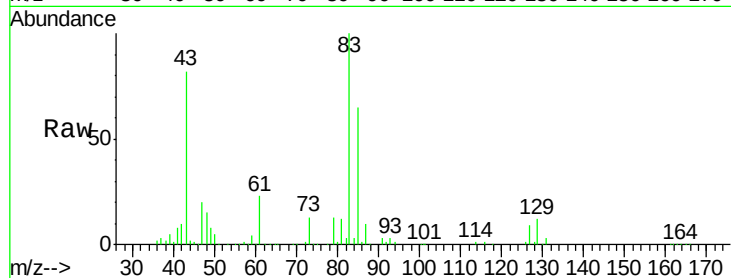
Tot Ion: 83 Resp: 164063

Ion Ratio Lower Upper

83 100

85 64.8 50.3 75.5

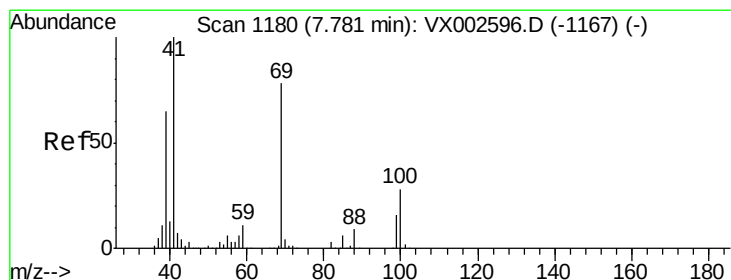
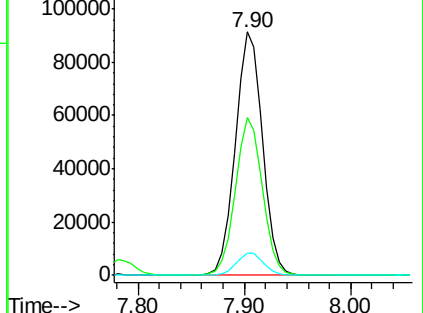
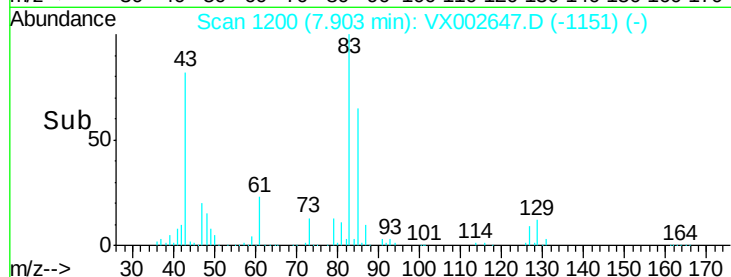
127 9.3 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.62 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

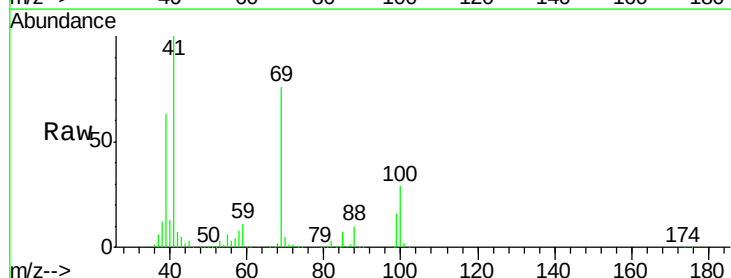
Tgt Ion: 41 Resp: 166746

Ion Ratio Lower Upper

41 100

69 77.5 59.1 88.7

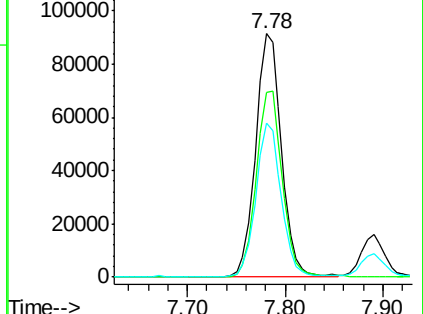
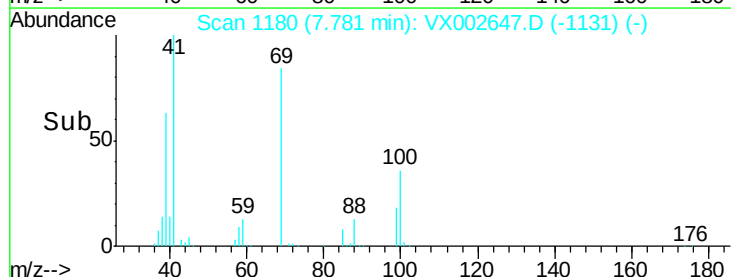
39 61.8 48.9 73.3

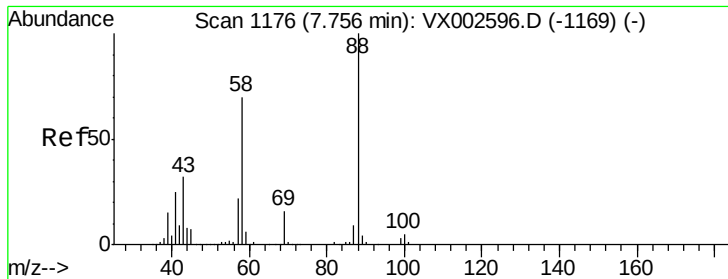


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1110.78 ug/l

RT: 7.76 min Scan# 1177

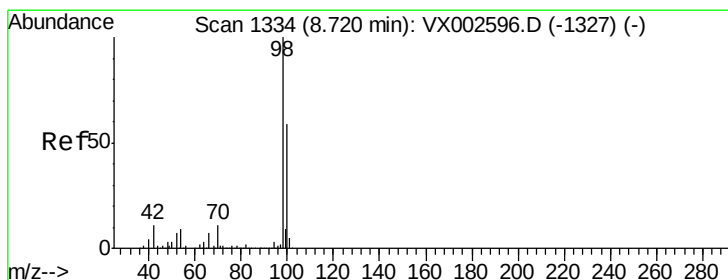
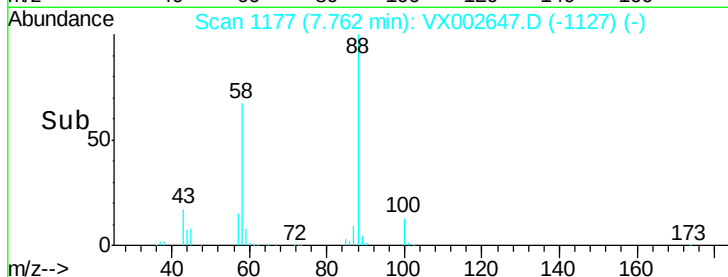
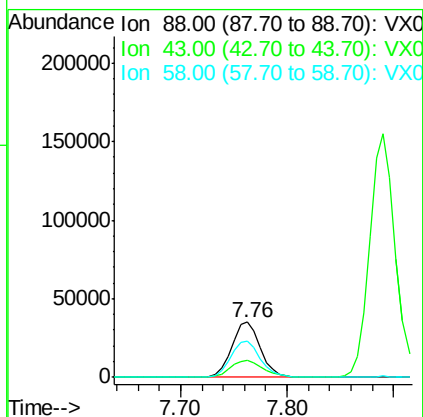
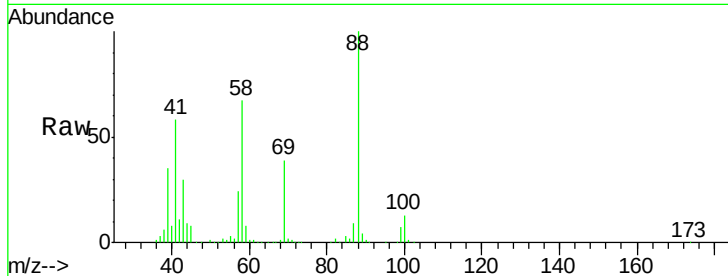
Delta R.T. 0.01 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	88	Resp:	66660
Ion	Ratio	Lower	Upper
88	100		
43	34.4	29.8	44.6
58	68.9	57.1	85.7



#50

Toluene-d8

Concen: 49.30 ug/l

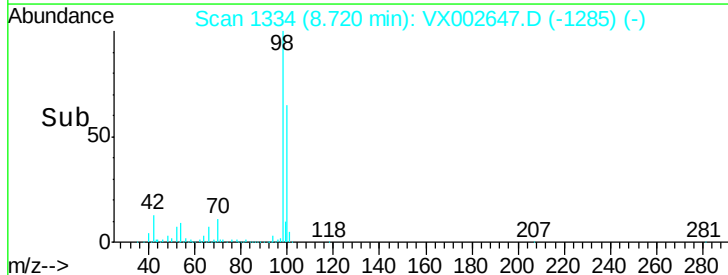
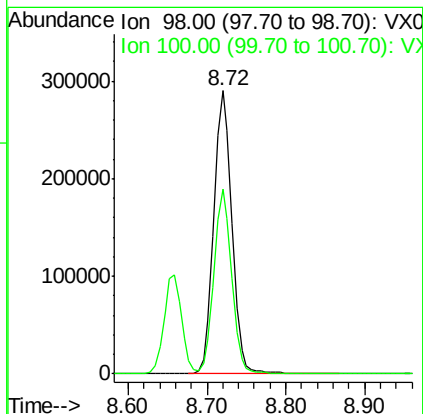
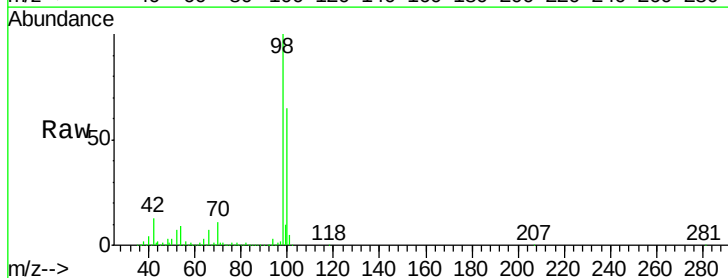
RT: 8.72 min Scan# 1334

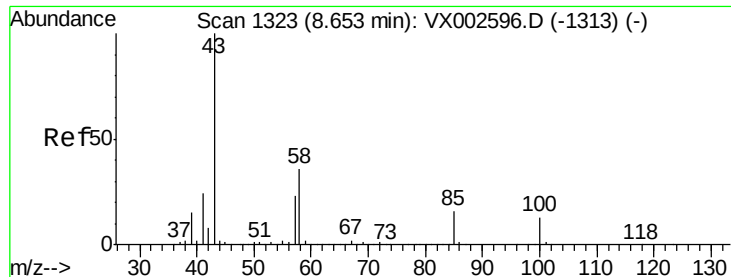
Delta R.T. 0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Tgt Ion:	98	Resp:	465165
Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 288.26 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

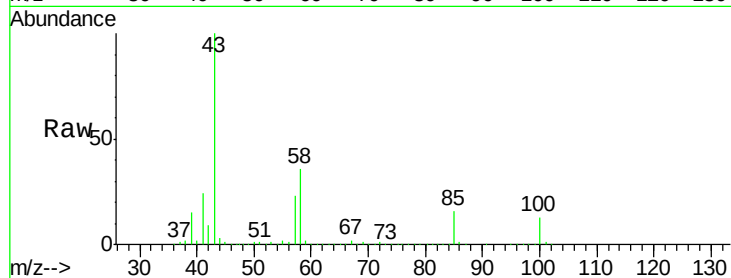
ClientSampled :

Tot Ion: 43 Resp: 1147762

Ion Ratio Lower Upper

43 100

58 35.9 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

800000

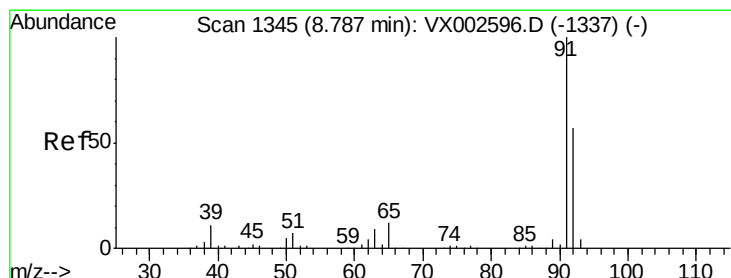
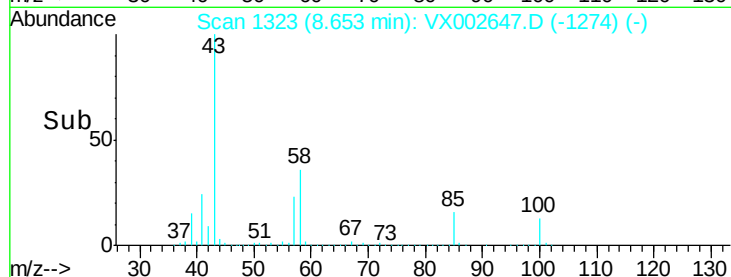
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.02 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002647.D

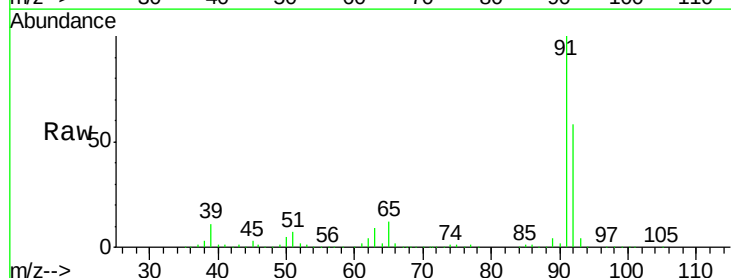
Acq: 16 Jun 2018 14:42

Tgt Ion: 92 Resp: 316402

Ion Ratio Lower Upper

92 100

91 175.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

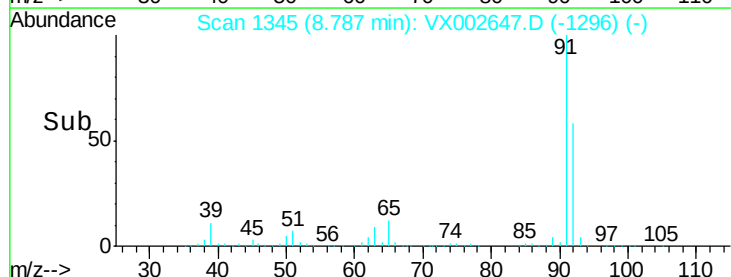
300000

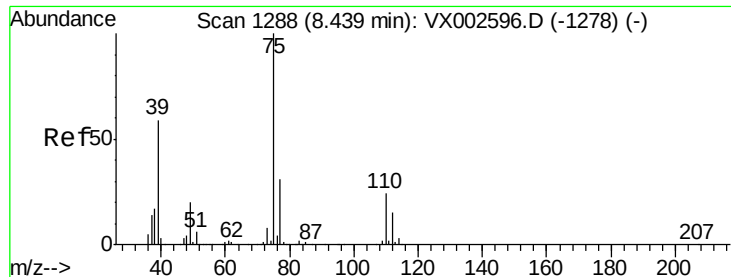
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 43.19 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

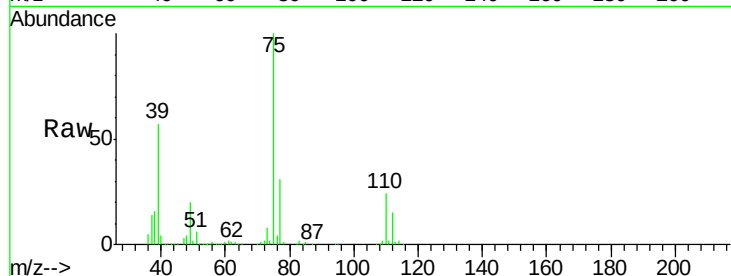
ClientSampleId :

Tot Ion: 75 Resp: 174632

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

120000

100000

80000

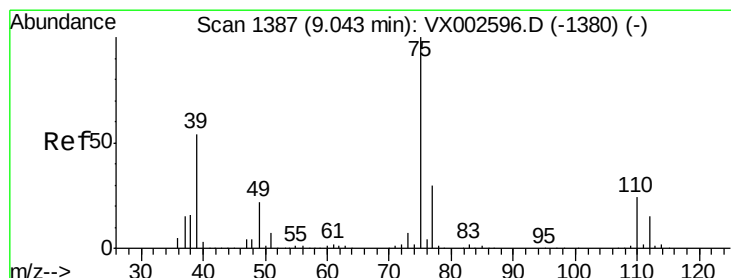
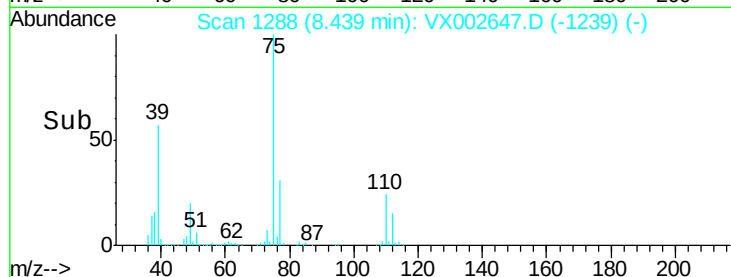
60000

40000

20000

0

Time--> 8.35 8.40 8.45 8.50



#54

cis-1,3-Dichloropropene

Concen: 42.46 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

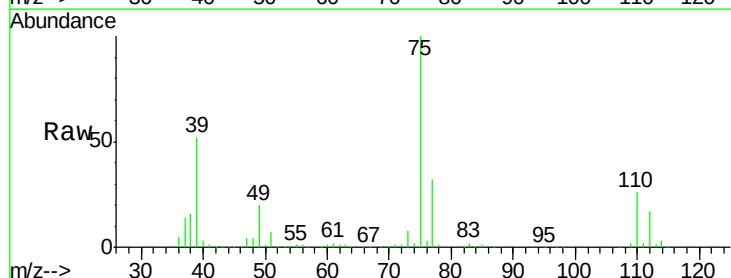
Tgt Ion: 75 Resp: 163052

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

39 51.9 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

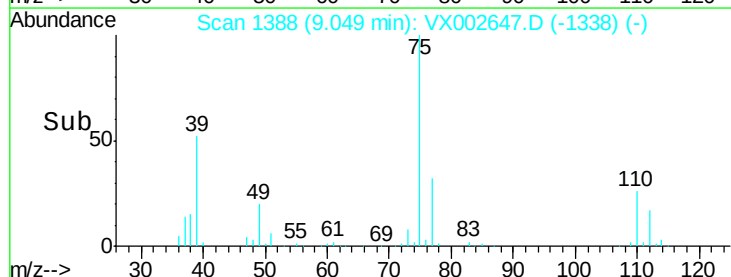
150000

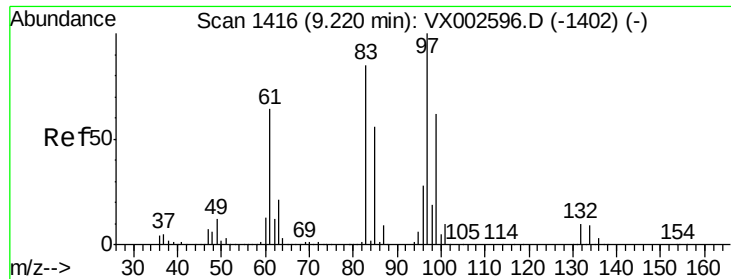
100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15

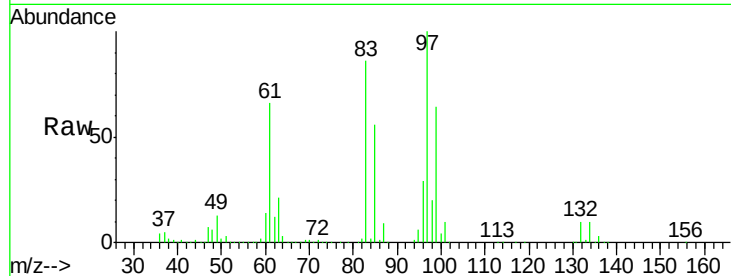




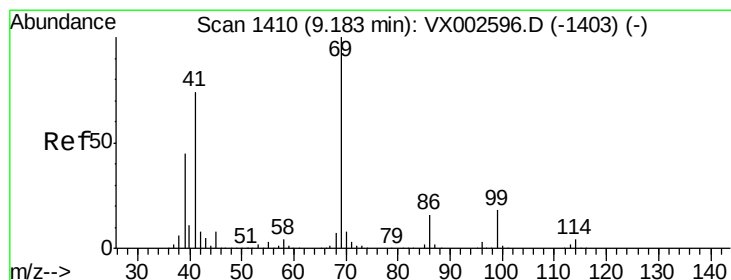
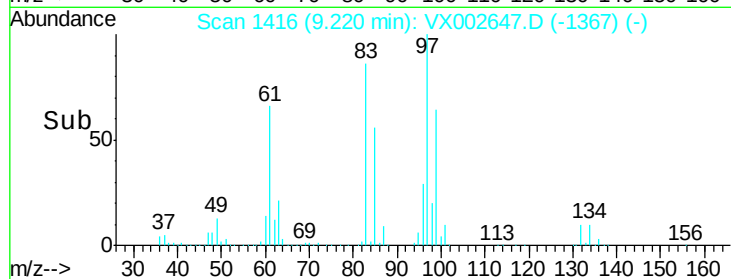
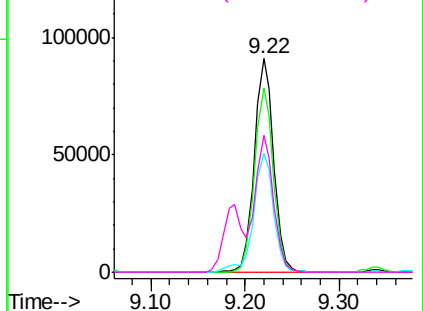
#55
1,1,2-Trichloroethane
Concen: 51.68 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	97	Resp:	132093
Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.2	105.2
85	55.9	44.9	67.3
99	64.2	49.8	74.8

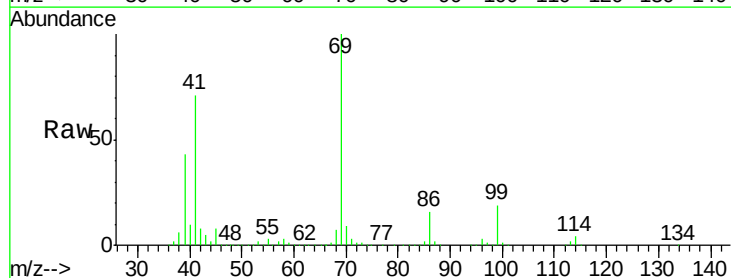


Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0

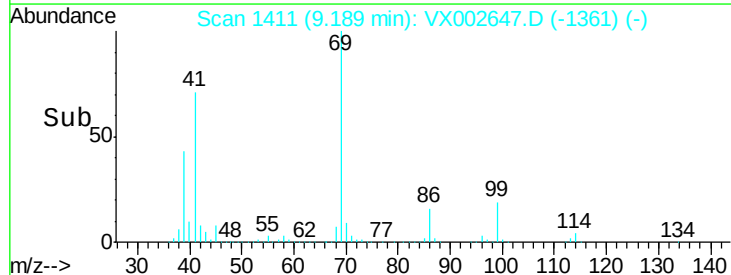
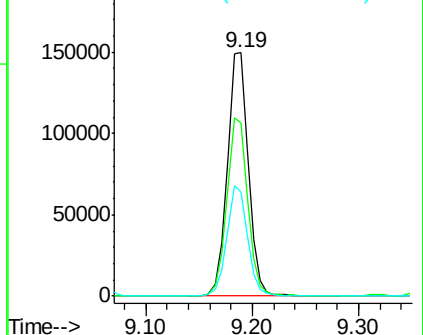


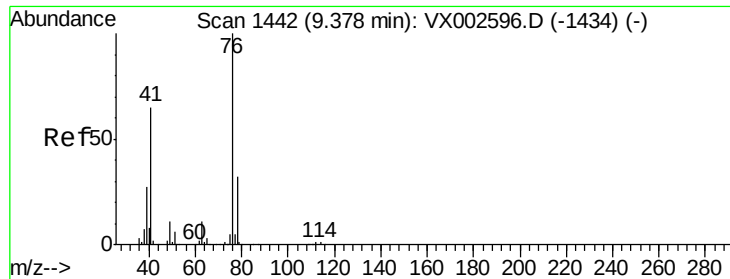
#56
Ethyl methacrylate
Concen: 52.97 ug/l
RT: 9.19 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

Tgt Ion:	69	Resp:	208352
Ion	Ratio	Lower	Upper
69	100		
41	72.6	60.3	90.5
39	44.2	35.8	53.8



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

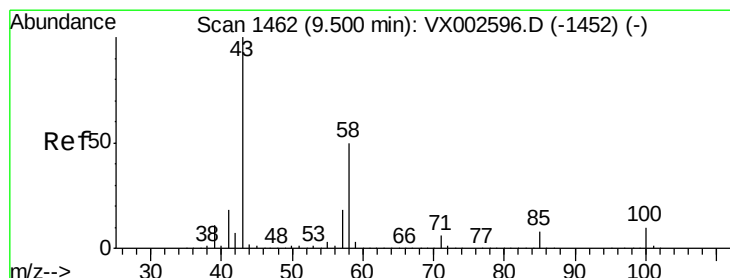
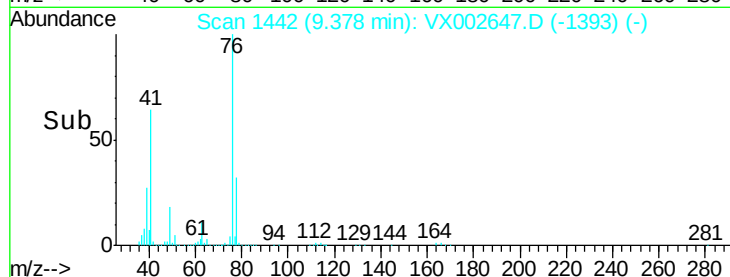
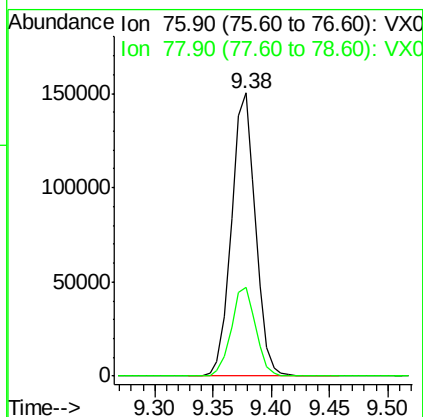
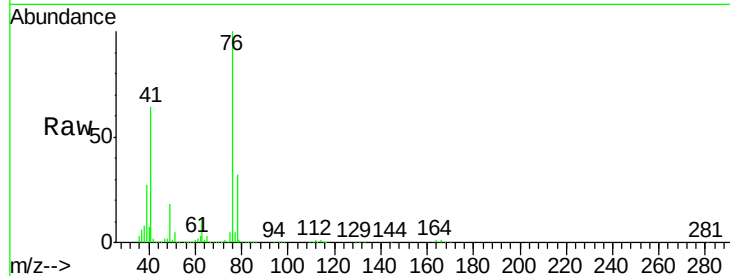




#57
 1,3-Dichloropropane
 Concen: 49.86 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

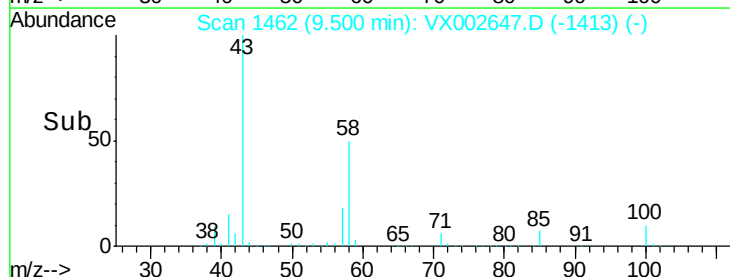
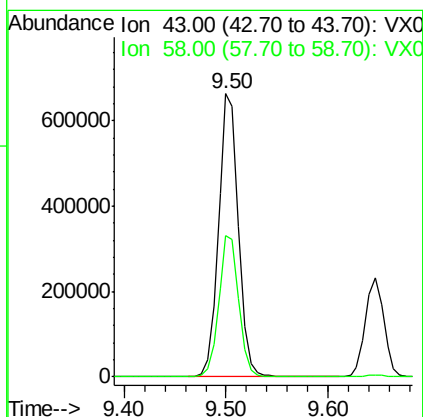
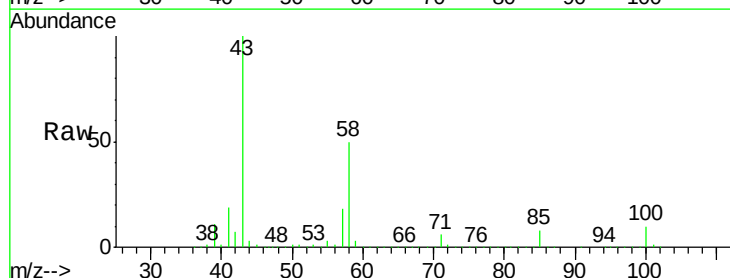
Instrument :
 MSVOA_X
 ClientSampled :

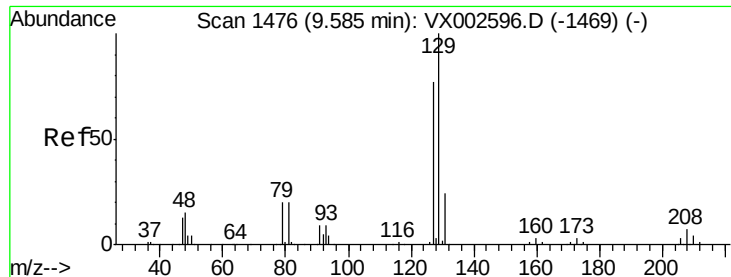
Tot Ion: 76 Resp: 215544
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6



#59
 2-Hexanone
 Concen: 301.06 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

Tgt Ion: 43 Resp: 903286
 Ion Ratio Lower Upper
 43 100
 58 50.2 24.6 73.6





#60

Dibromochloromethane

Concen: 47.31 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

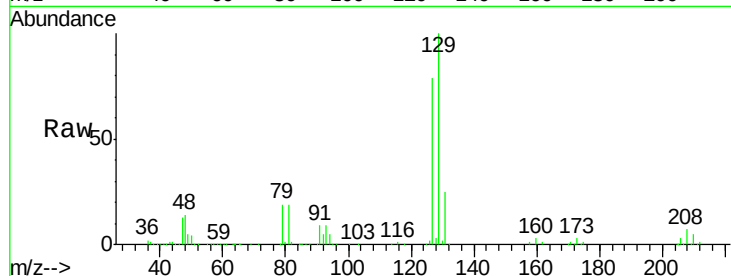
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 135391

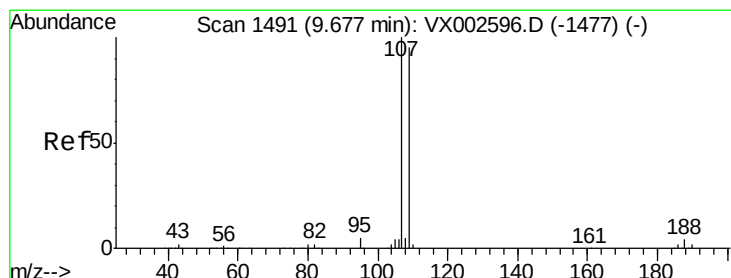
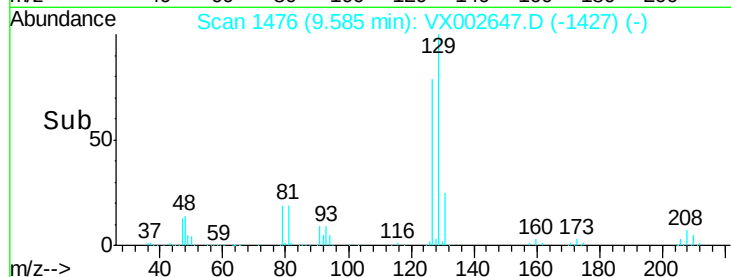
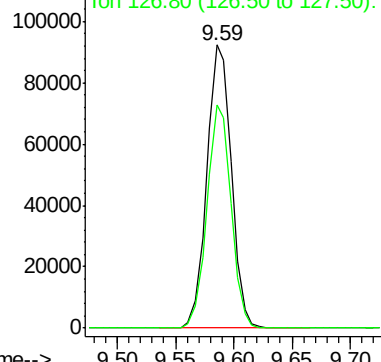
Ion Ratio Lower Upper

129 100

127 77.7 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.87 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002647.D

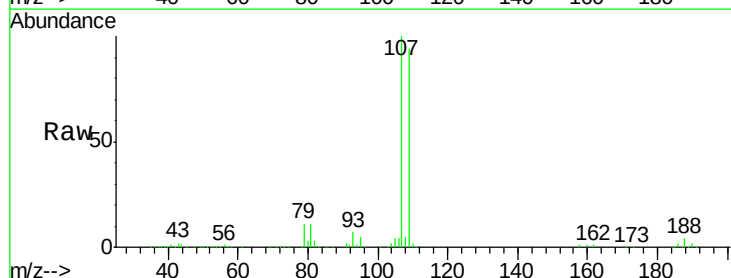
Acq: 16 Jun 2018 14:42

Tgt Ion:107 Resp: 139943

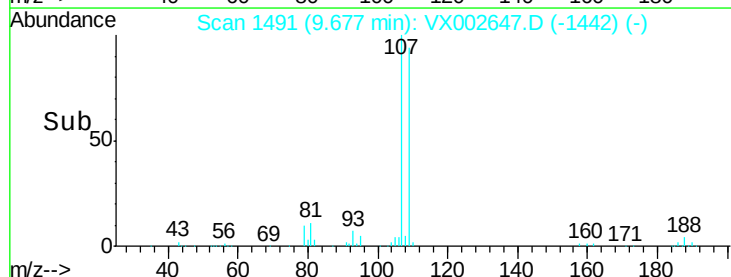
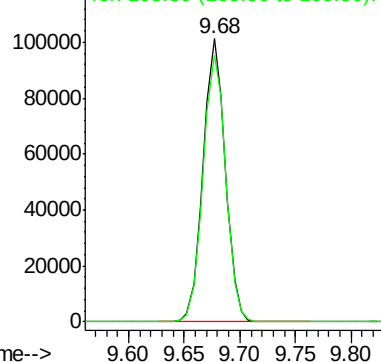
Ion Ratio Lower Upper

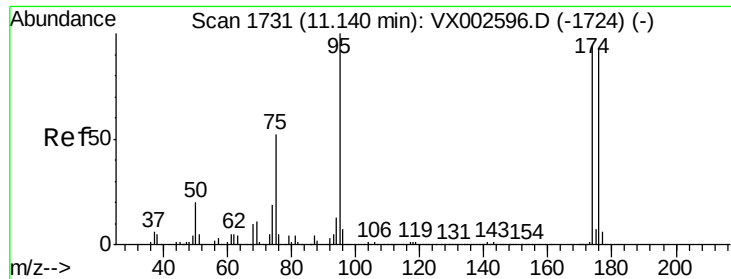
107 100

109 96.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

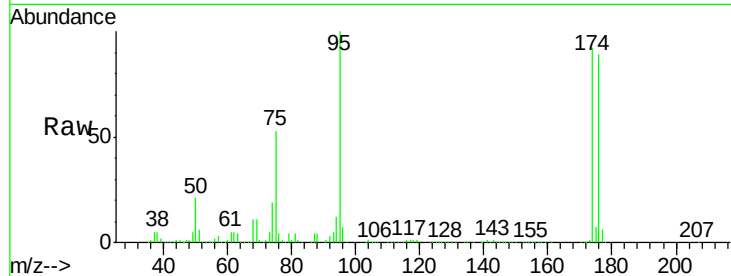
Tot Ion: 95 Resp: 182984

Ion Ratio Lower Upper

95 100

174 96.7 0.0 187.4

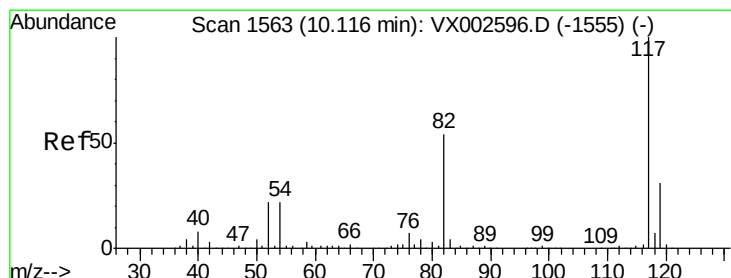
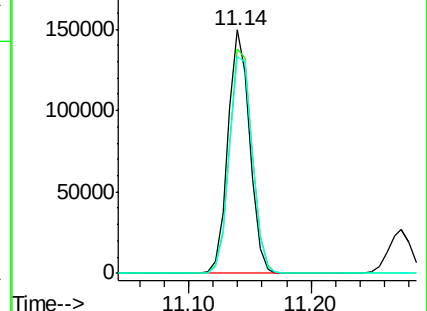
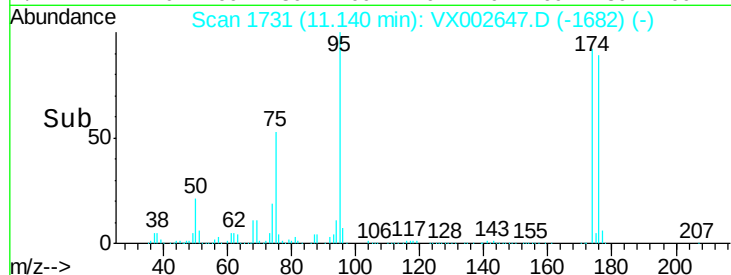
176 93.9 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002647.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002647.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002647.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

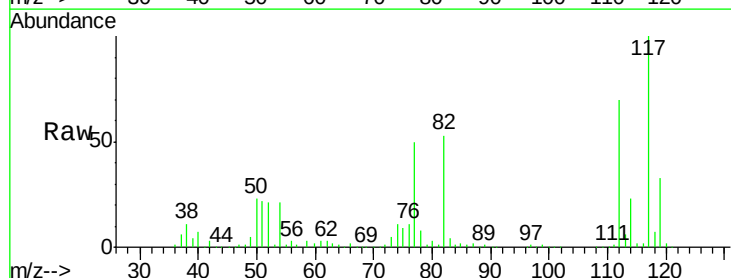
Tgt Ion: 117 Resp: 306404

Ion Ratio Lower Upper

117 100

82 52.7 45.0 67.4

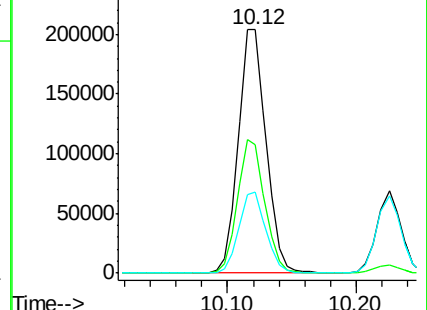
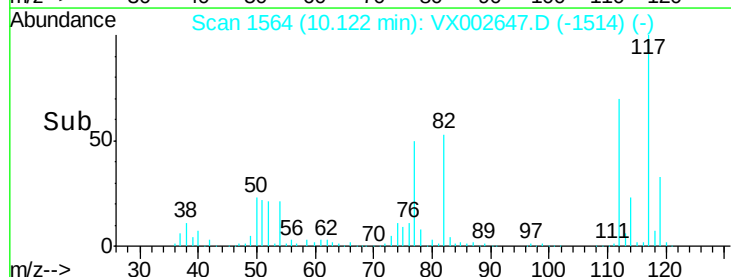
119 33.2 25.8 38.6

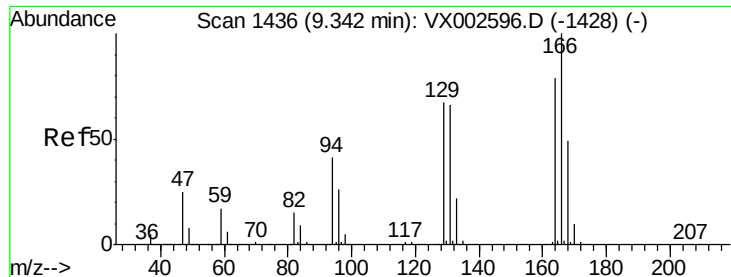


Abundance Ion 116.90 (116.60 to 117.60): VX002647.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002647.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002647.D (-1514) (-)

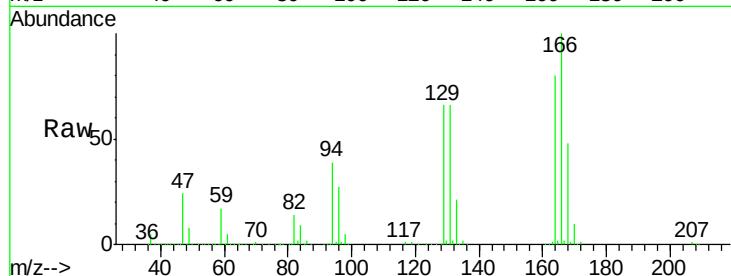




#64
Tetrachloroethene
Concen: 42.94 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.2	102.9	154.3
129	82.7	68.6	102.8
131	82.2	66.8	100.2

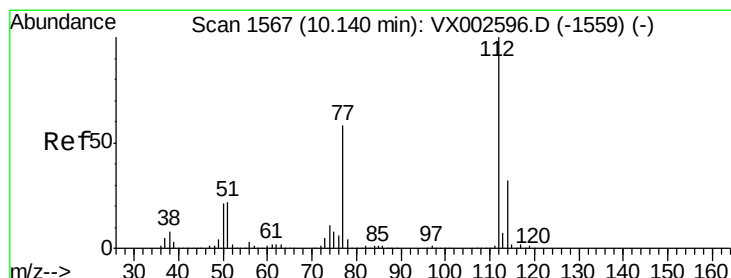
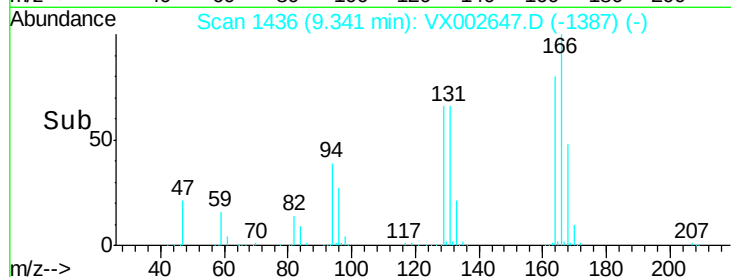
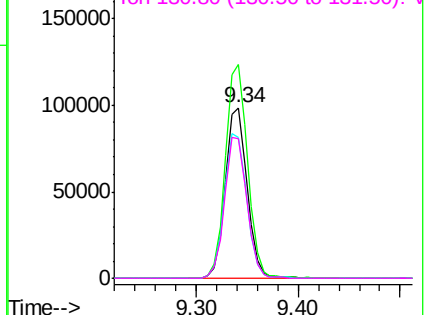


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

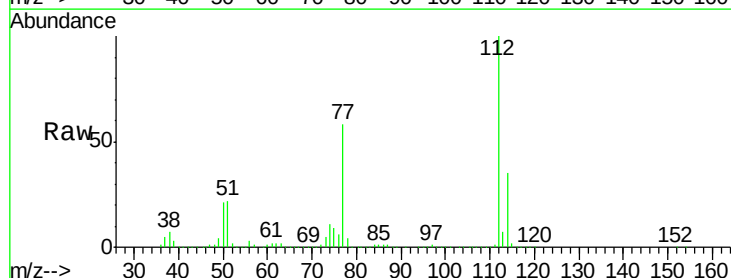
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



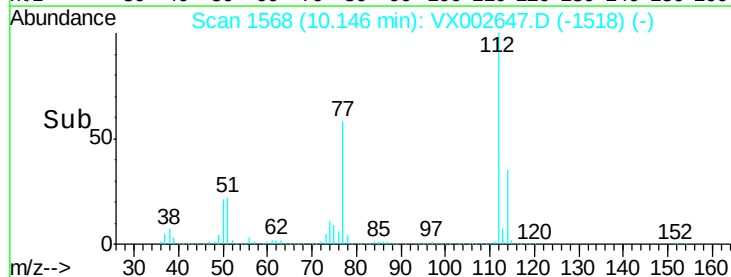
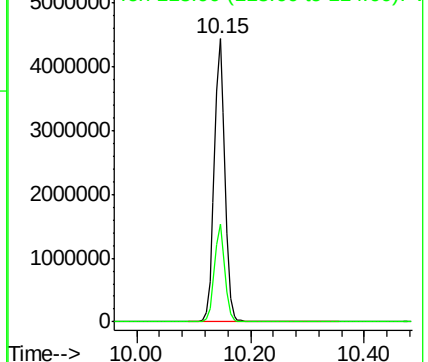
#65
Chlorobenzene
Concen: 777.52 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

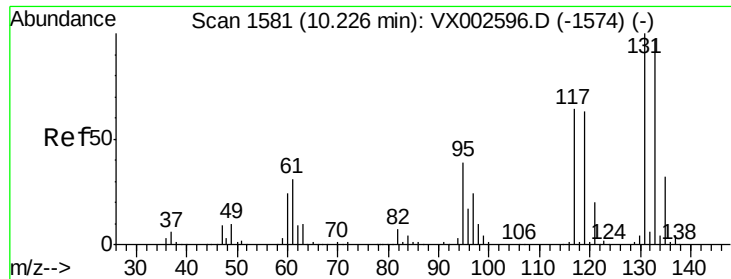
Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.6	25.3	37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.59 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

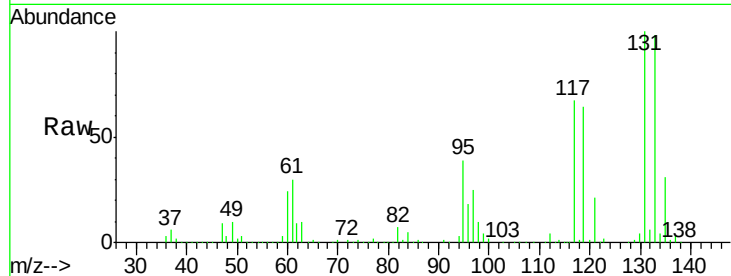
Tot Ion:131 Resp: 134926

Ion Ratio Lower Upper

131 100

133 96.1 47.9 143.6

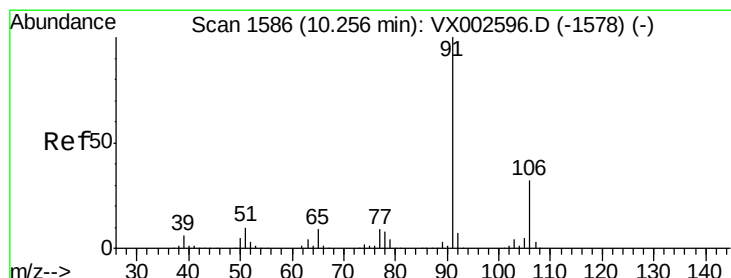
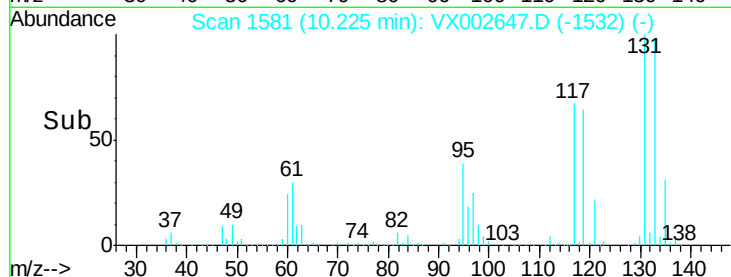
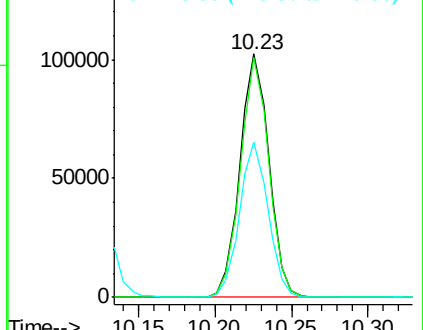
119 62.8 31.8 95.3



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



#67

Ethyl Benzene

Concen: 49.81 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002647.D

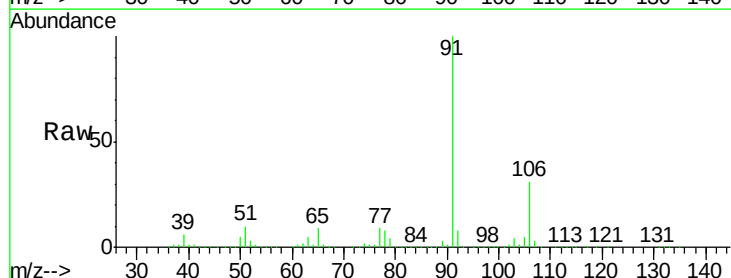
Acq: 16 Jun 2018 14:42

Tgt Ion: 91 Resp: 632214

Ion Ratio Lower Upper

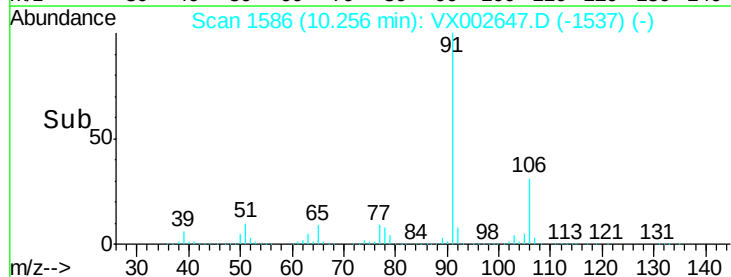
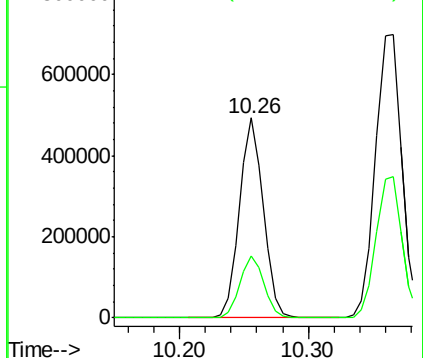
91 100

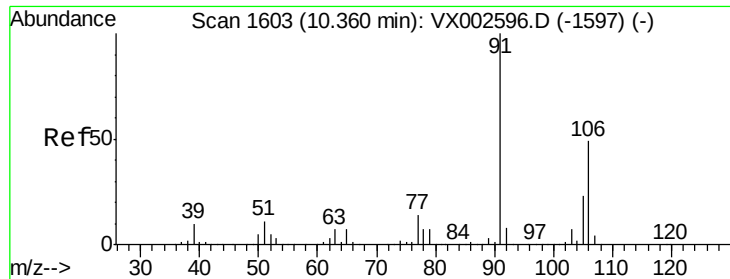
106 31.0 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

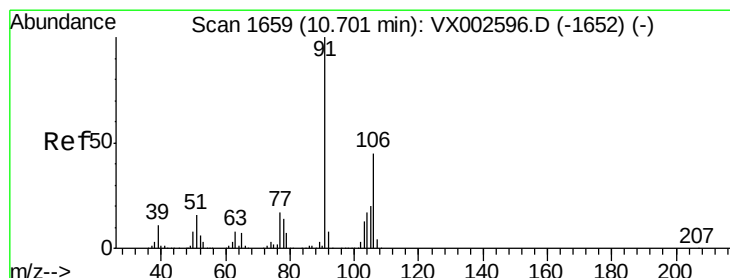
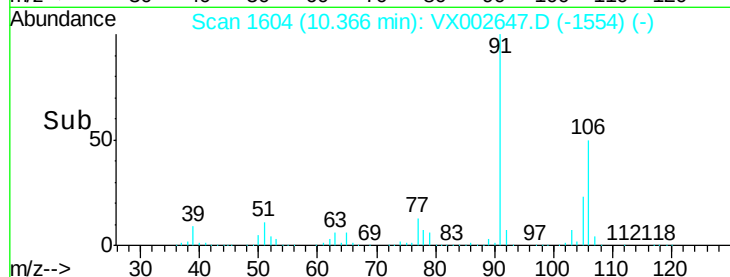
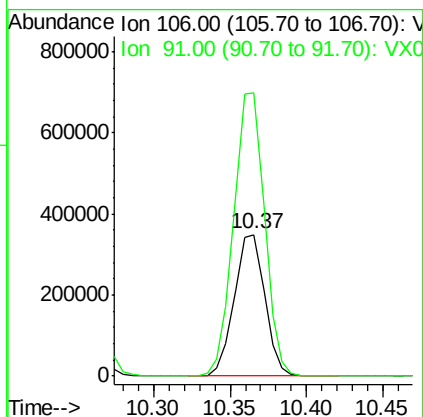
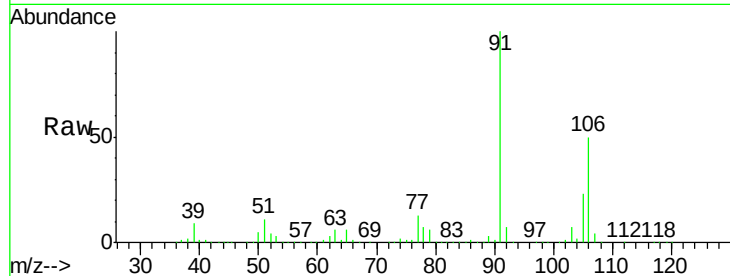




#68
m/p-Xylenes
Concen: 98.86 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

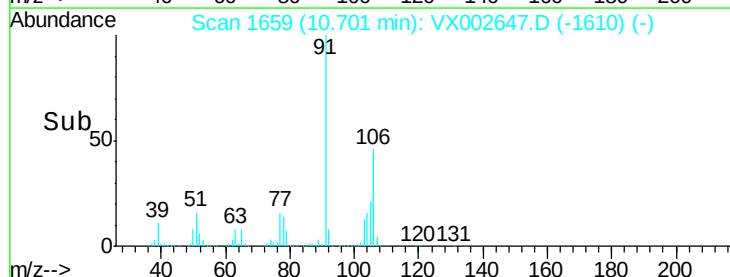
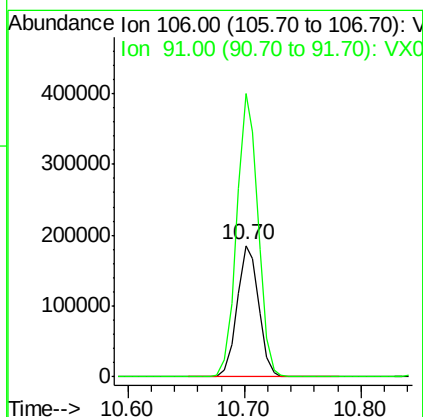
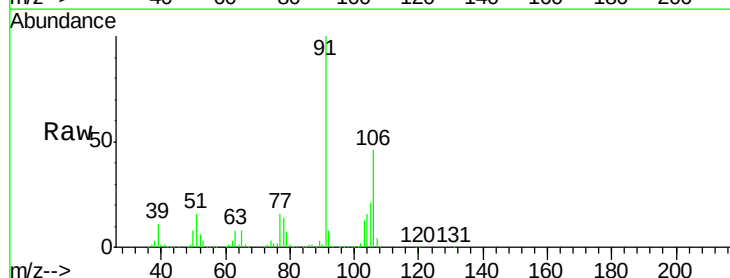
Instrument :
MSVOA_X
ClientSampleId :

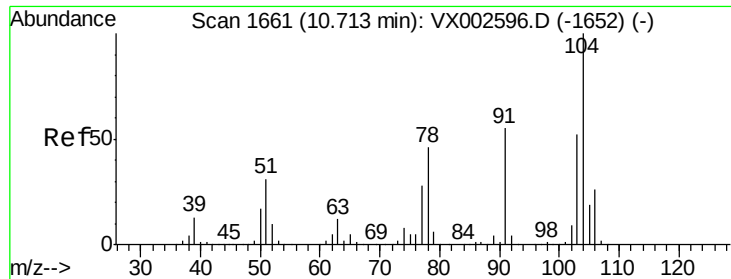
Tot Ion:106 Resp: 484005
Ion Ratio Lower Upper
106 100
91 203.0 163.4 245.2



#69
o-Xylene
Concen: 49.62 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

Tgt Ion:106 Resp: 238663
Ion Ratio Lower Upper
106 100
91 213.7 108.2 324.6

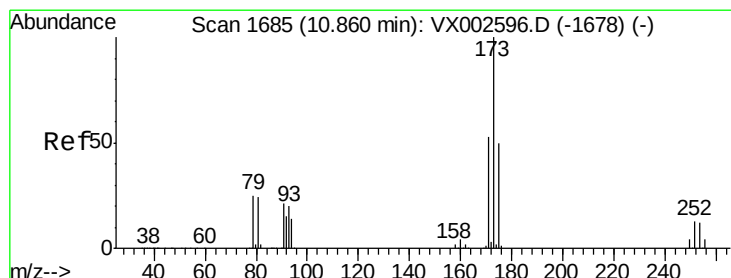
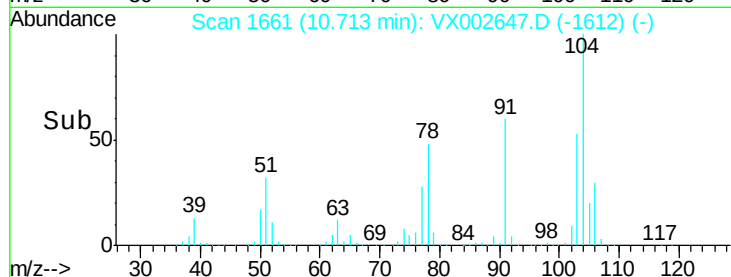
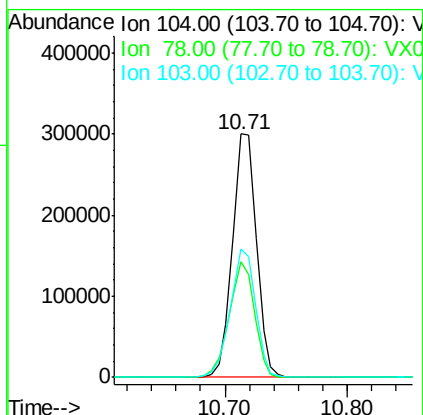
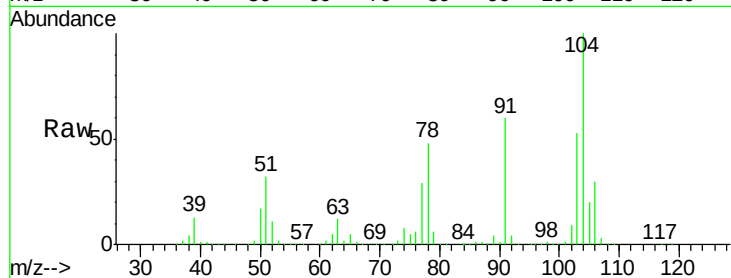




#70
Stvrene
Concen: 51.25 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

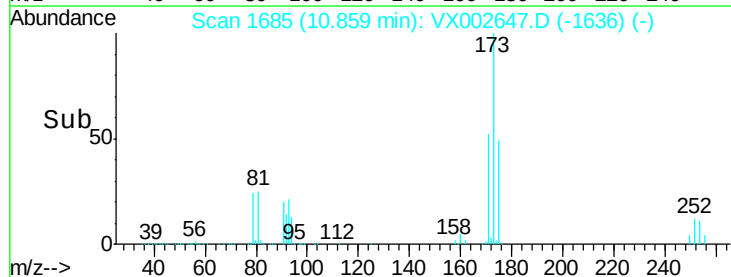
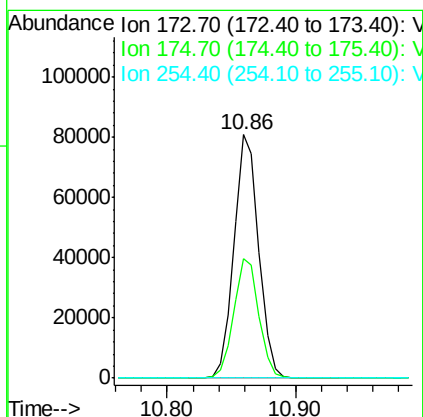
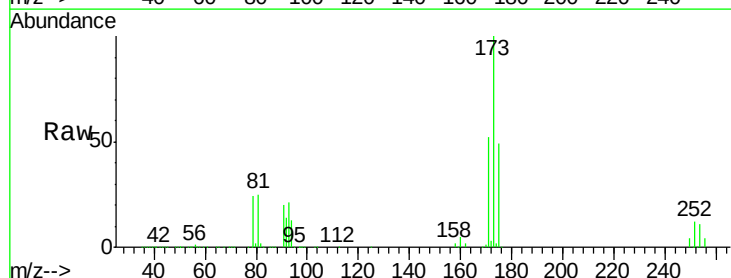
Instrument :
MSVOA_X
ClientSampleId :

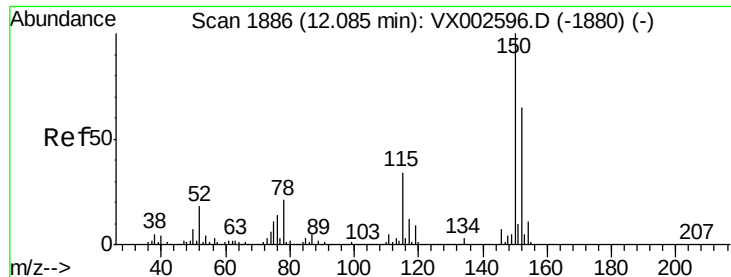
Tot Ion:104 Resp: 405385
Ion Ratio Lower Upper
104 100
78 50.4 41.0 61.6
103 55.6 44.2 66.4



#71
Bromoform
Concen: 46.51 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

Tgt Ion:173 Resp: 107739
Ion Ratio Lower Upper
173 100
175 50.0 24.7 74.1
254 0.2 0.2 0.2#

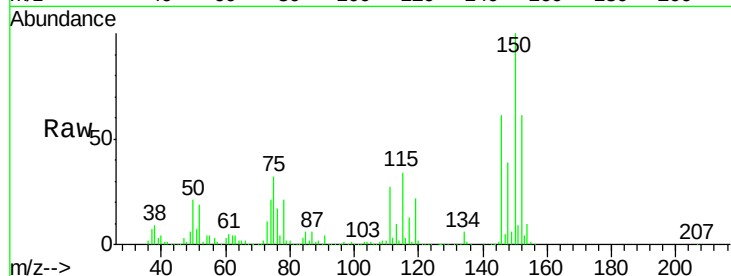




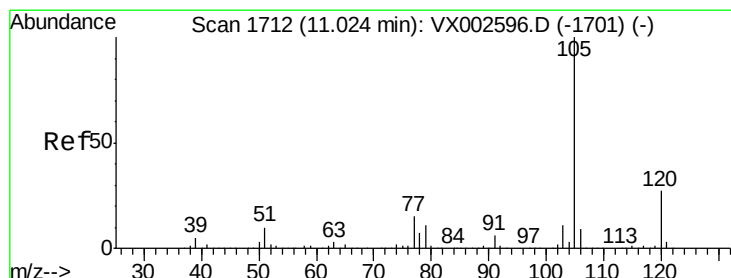
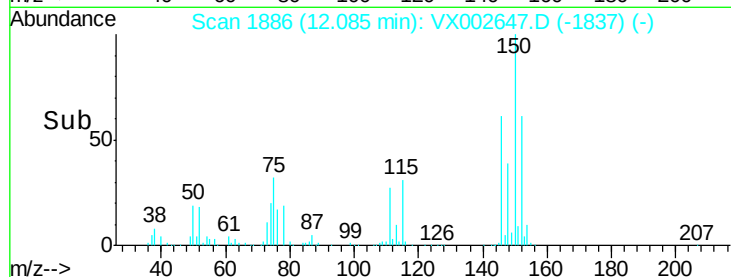
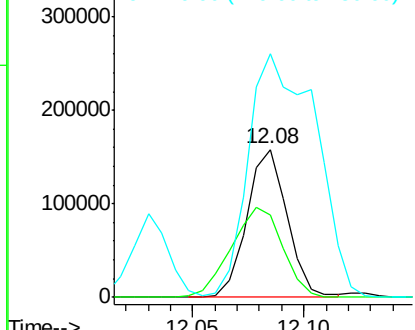
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:152 Resp: 200142
 Ion Ratio Lower Upper
 152 100
 115 77.5 40.1 120.2
 150 275.0 0.0 347.2

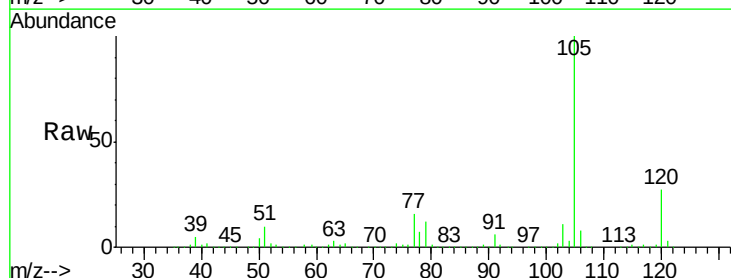


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

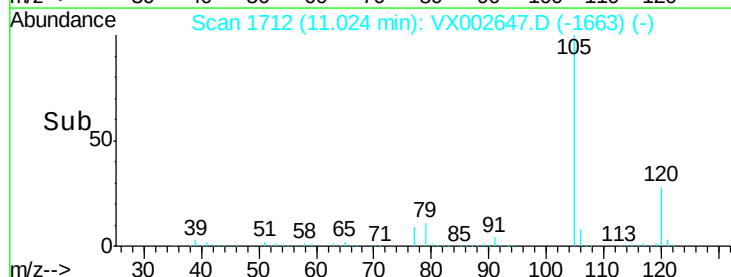
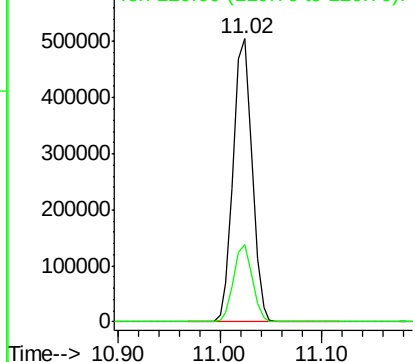


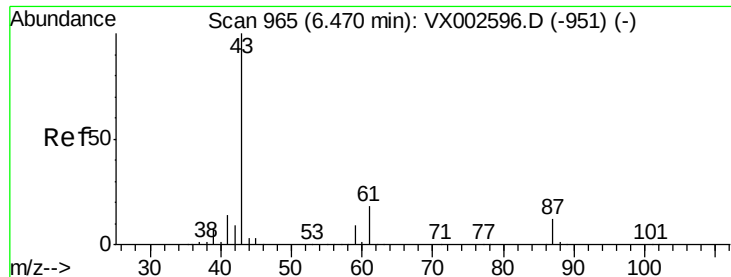
#73
 Isopropylbenzene
 Concen: 47.98 ug/l
 RT: 11.02 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

Tgt Ion:105 Resp: 642237
 Ion Ratio Lower Upper
 105 100
 120 27.2 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-amvl acetate

Concen: 47.08 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 313095

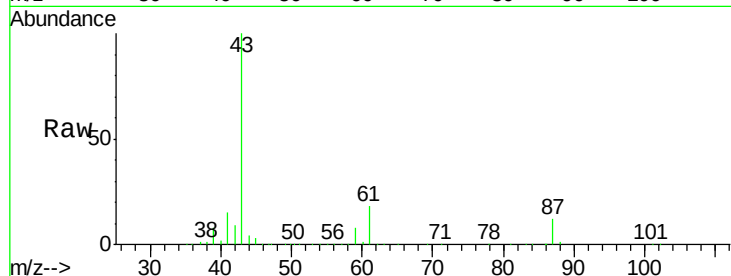
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.5 14.4 21.6

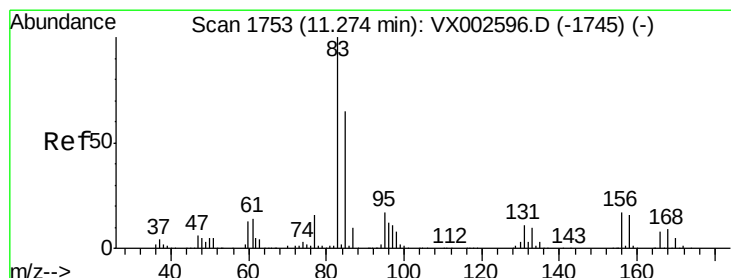
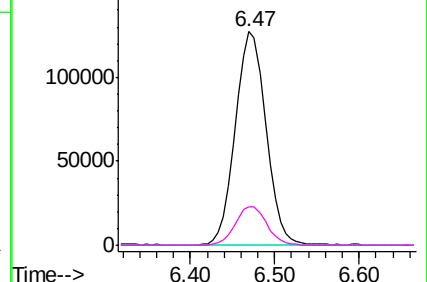
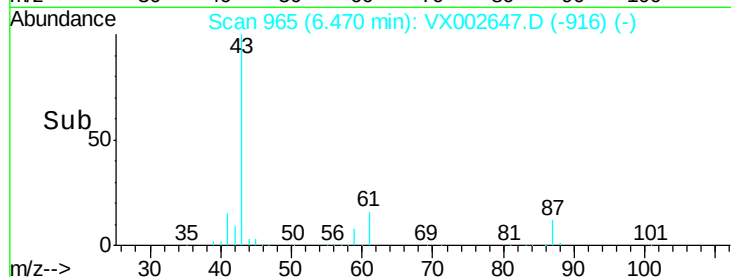


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 52.34 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

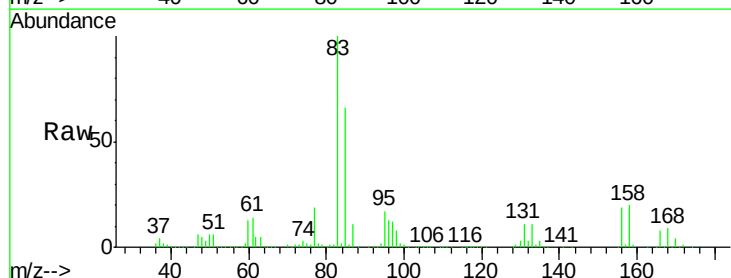
Tgt Ion: 83 Resp: 206882

Ion Ratio Lower Upper

83 100

131 10.9 5.6 16.8

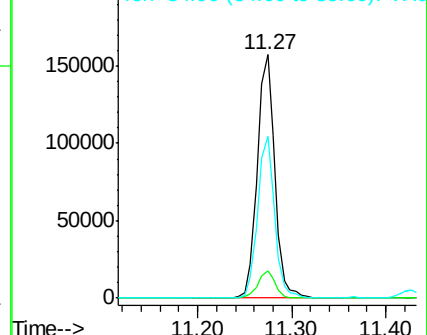
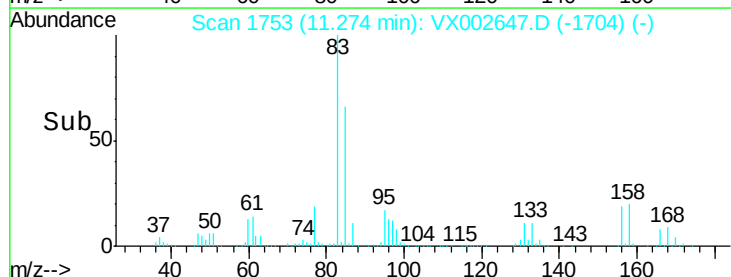
85 64.7 32.4 97.2

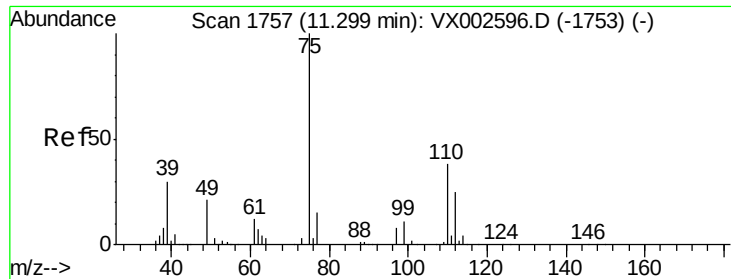


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 59.80 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

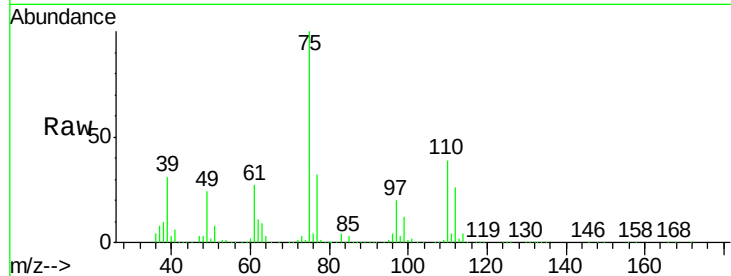
ClientSampled :

Tot Ion: 75 Resp: 225863

Ion Ratio Lower Upper

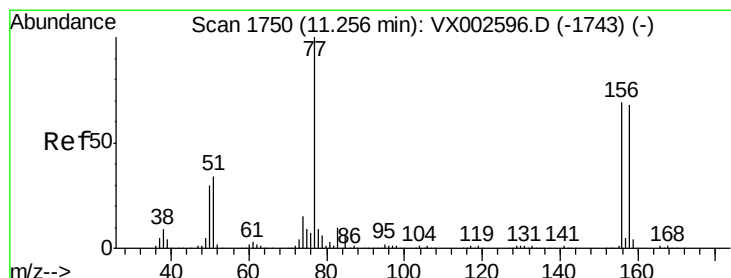
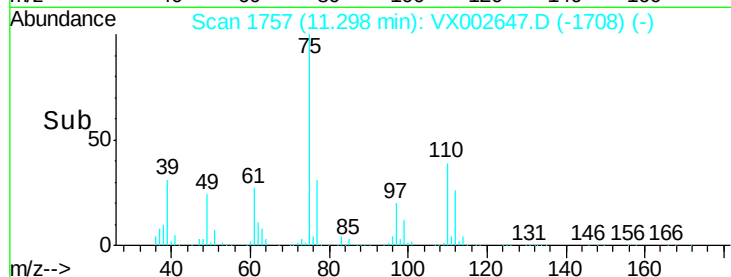
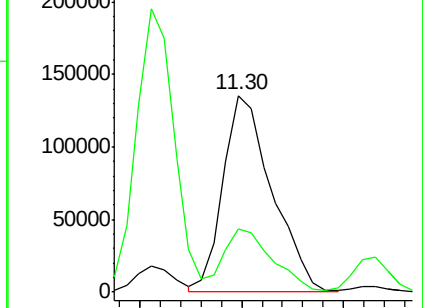
75 100

77 32.3 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: 49.01 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

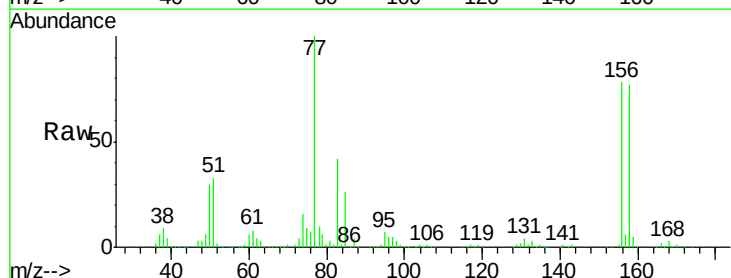
Tgt Ion: 156 Resp: 182768

Ion Ratio Lower Upper

156 100

77 137.5 71.4 214.2

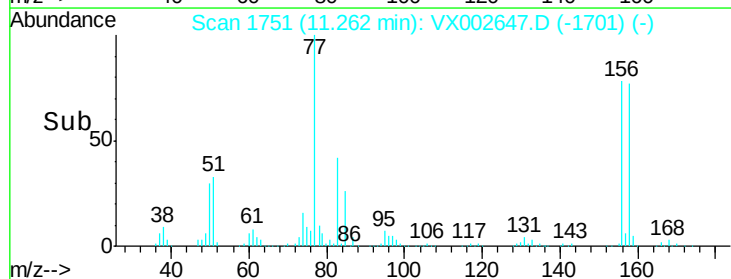
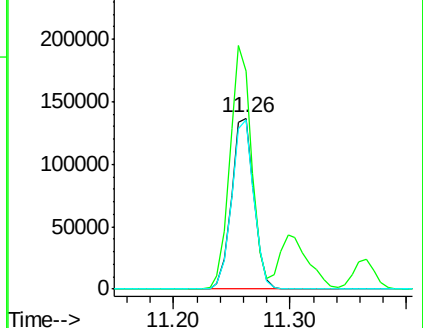
158 97.9 48.9 146.6

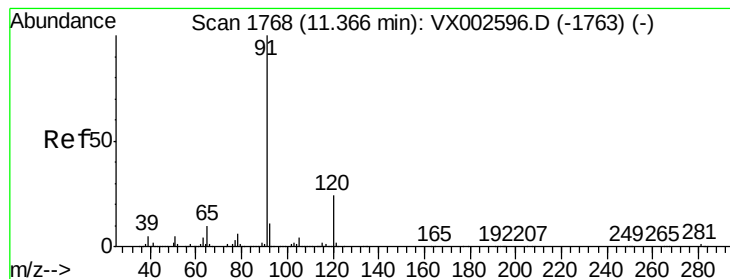


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 47.51 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

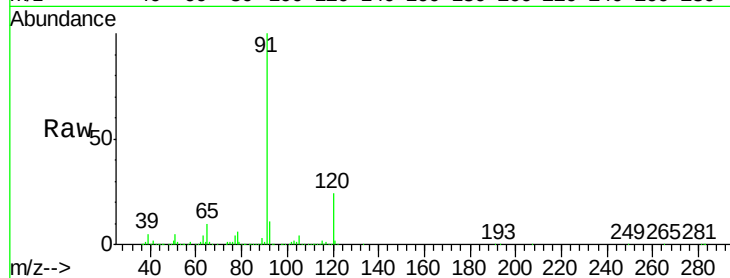
ClientSampleId :

Tot Ion: 91 Resp: 729367

Ion Ratio Lower Upper

91 100

120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

600000

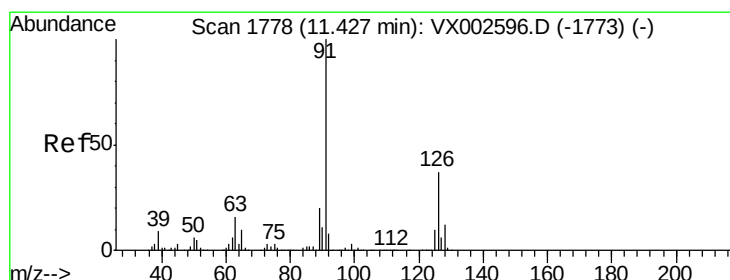
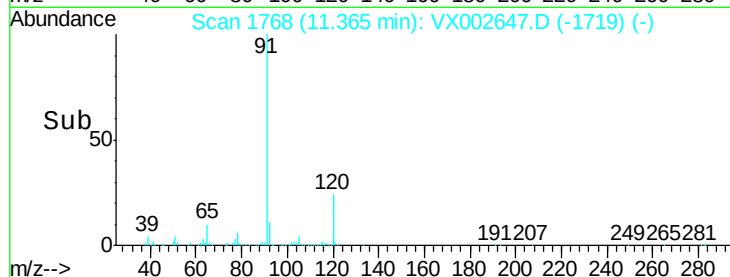
400000

200000

0

11.35 11.37 11.40

Time-->



#79

2-Chlorotoluene

Concen: 47.73 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002647.D

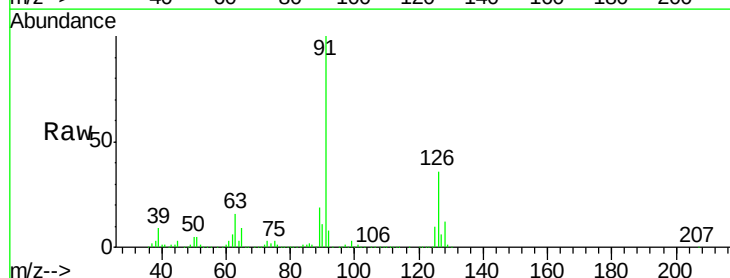
Acq: 16 Jun 2018 14:42

Tgt Ion: 91 Resp: 437503

Ion Ratio Lower Upper

91 100

126 36.0 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

600000

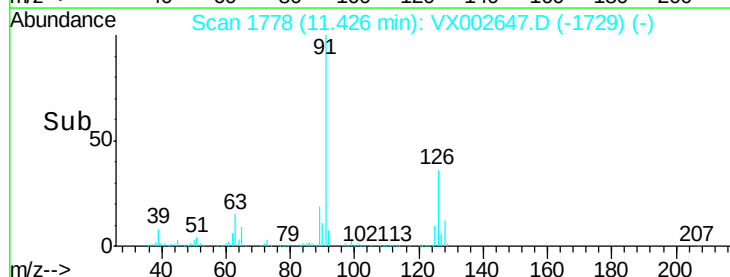
400000

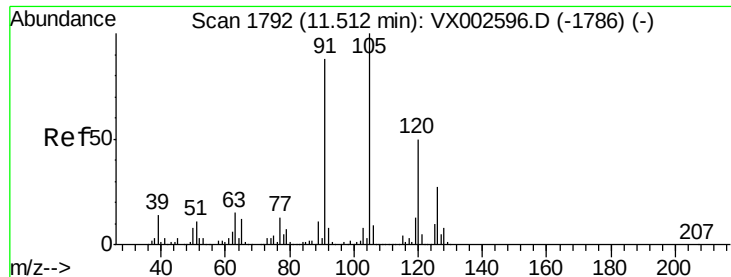
200000

0

11.40 11.43 11.45

Time-->

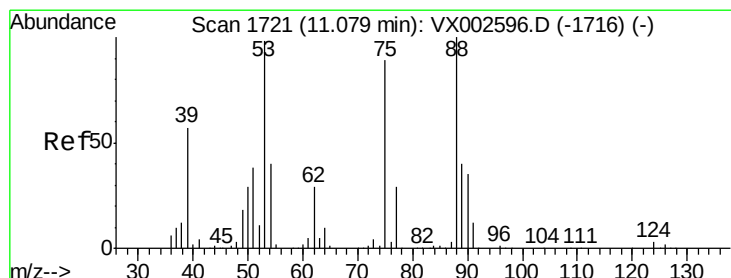
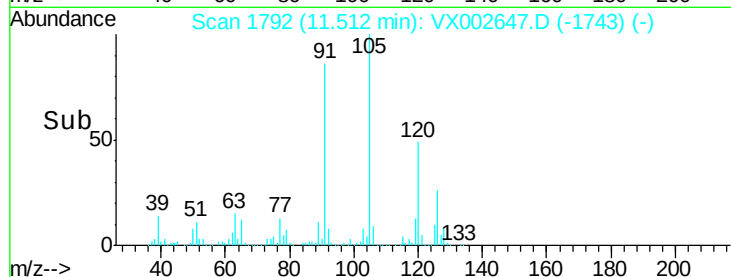
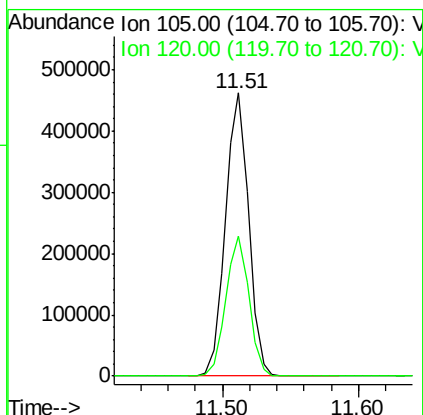
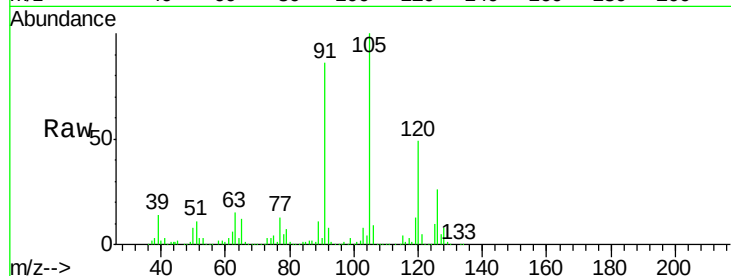




#80
 1,3,5-Trimethylbenzene
 Concen: 48.09 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

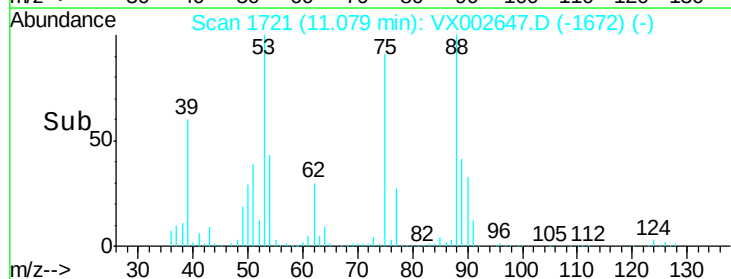
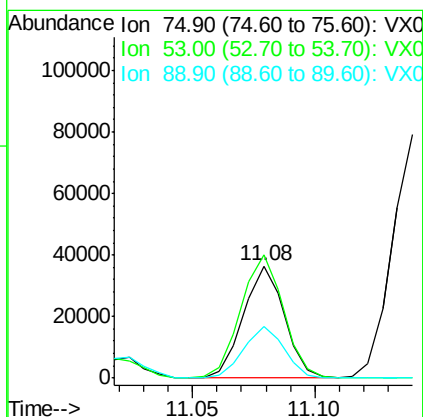
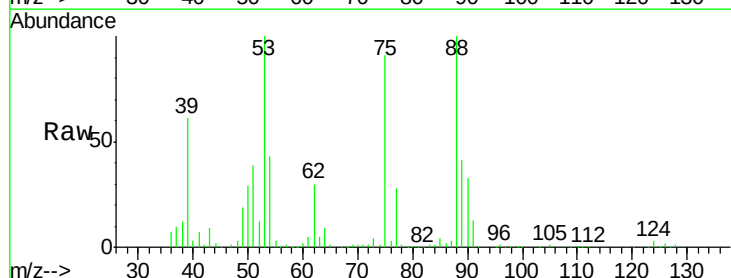
Instrument :
 MSVOA_X
 ClientSampled :

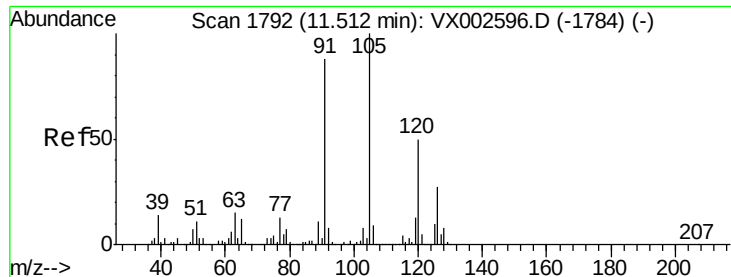
Tot Ion:105 Resp: 544005
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 37.05 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

Tgt Ion: 75 Resp: 42333
 Ion Ratio Lower Upper
 75 100
 53 114.6 86.8 130.2
 89 46.8 38.2 57.2

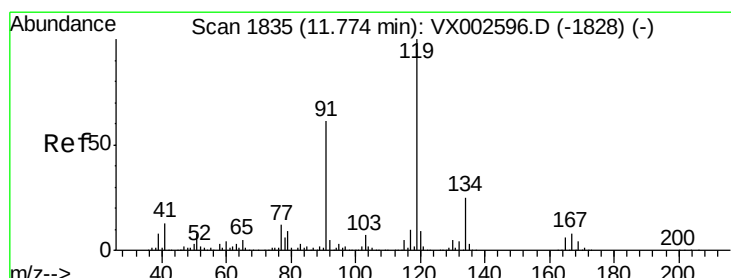
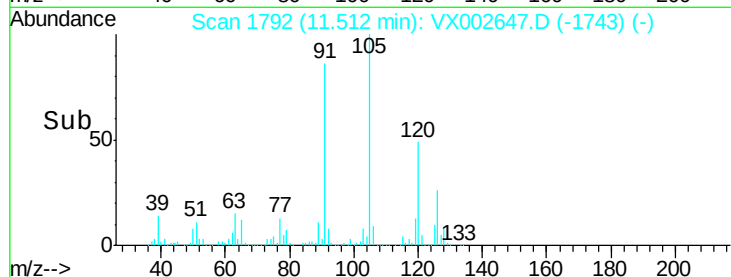
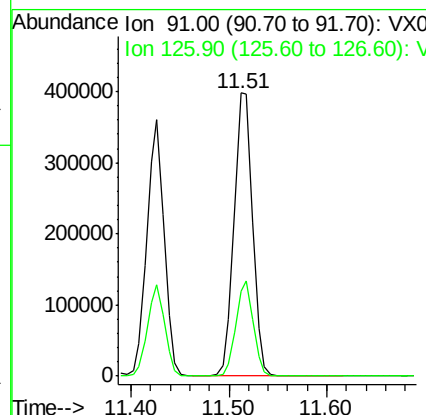
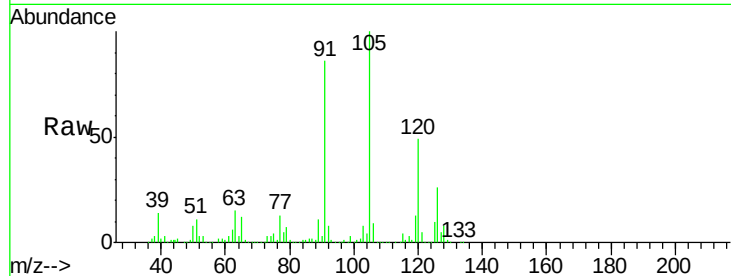




#82
4-Chlorotoluene
Concen: 48.44 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

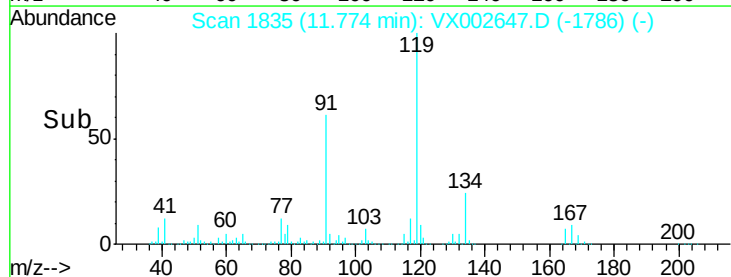
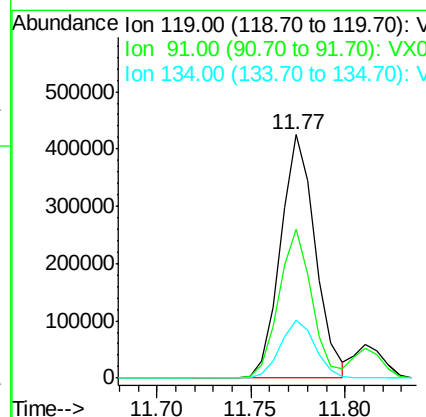
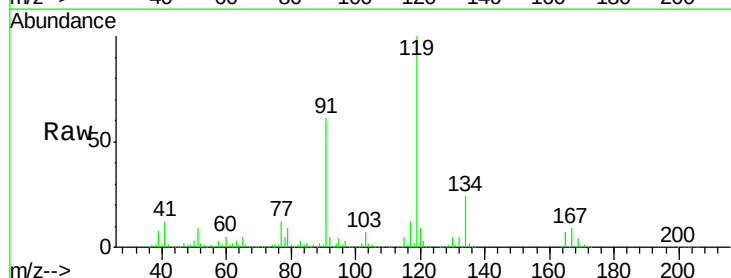
Instrument :
MSVOA_X
ClientSampleId :

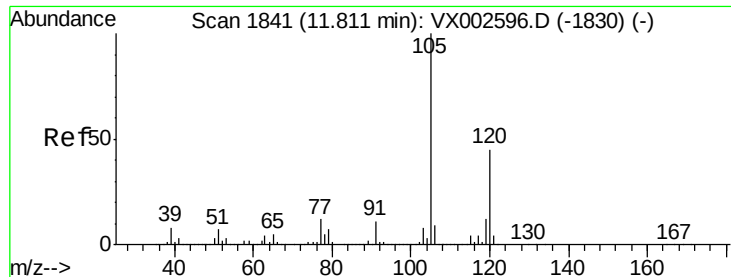
Tot Ion: 91 Resp: 523925
Ion Ratio Lower Upper
91 100
126 31.5 15.4 46.4



#83
tert-Butylbenzene
Concen: 49.80 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002647.D
Acq: 16 Jun 2018 14:42

Tgt Ion: 119 Resp: 542658
Ion Ratio Lower Upper
119 100
91 58.3 30.3 90.9
134 23.8 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 48.94 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

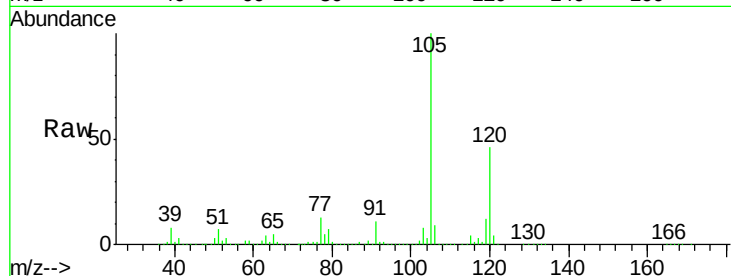
ClientSampled :

Tot Ion:105 Resp: 564898

Ion Ratio Lower Upper

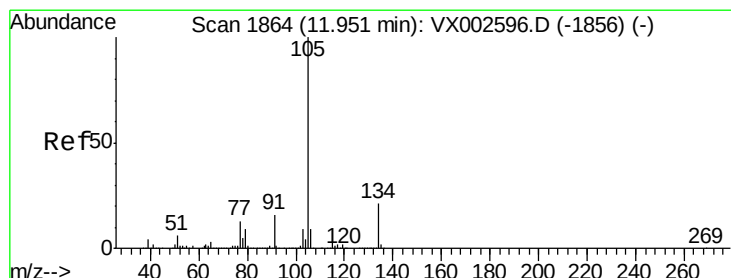
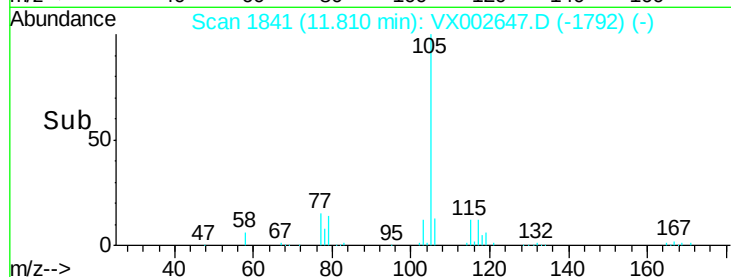
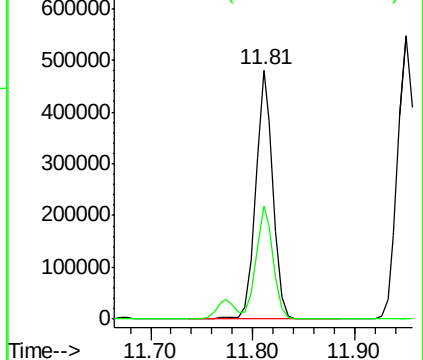
105 100

120 45.0 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 47.80 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002647.D

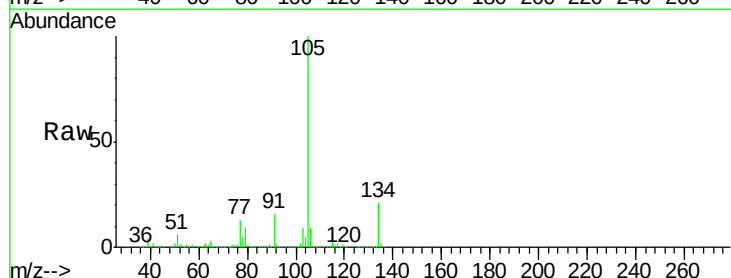
Acq: 16 Jun 2018 14:42

Tgt Ion:105 Resp: 647667

Ion Ratio Lower Upper

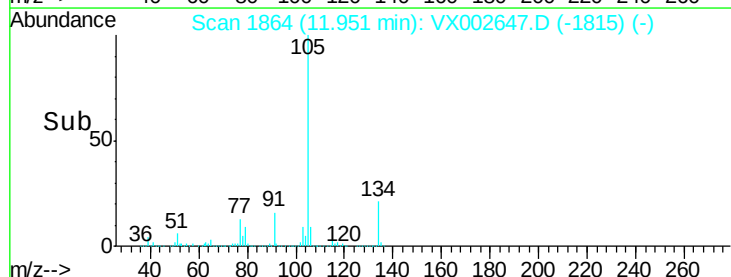
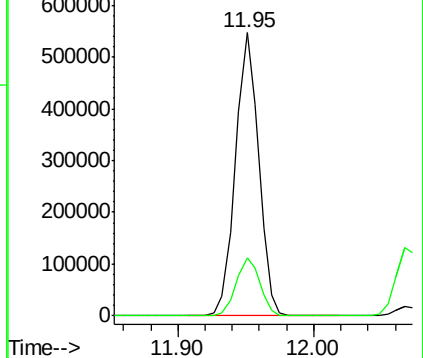
105 100

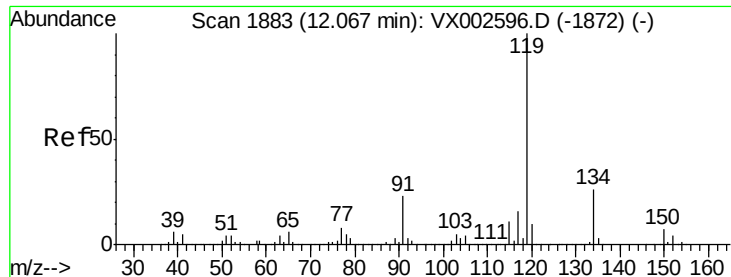
134 21.1 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

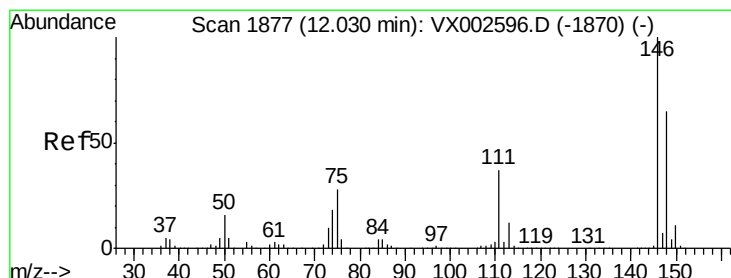
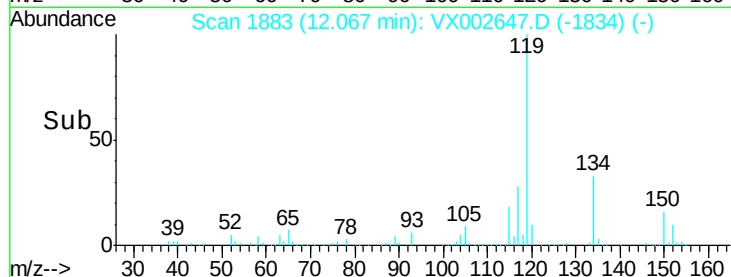
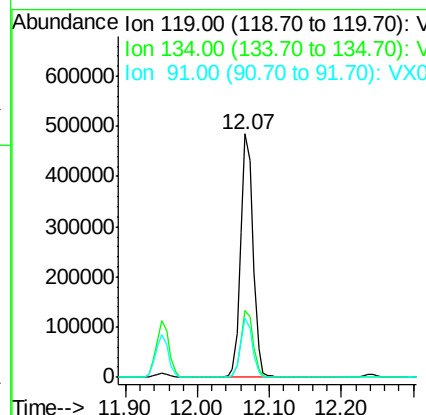
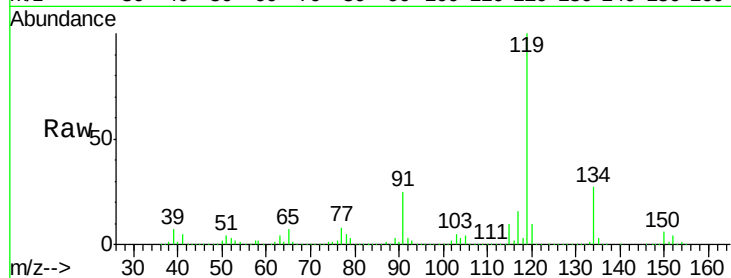




#86
 p-Isopropyltoluene
 Concen: 47.96 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

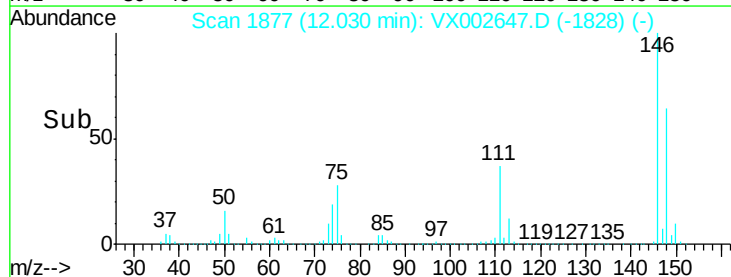
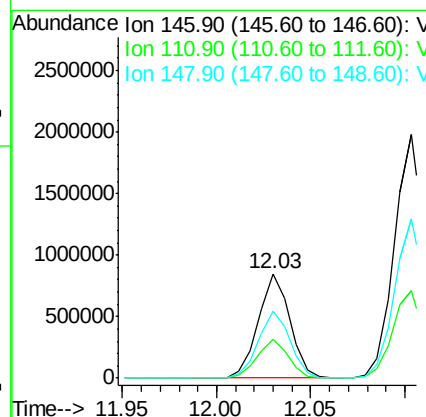
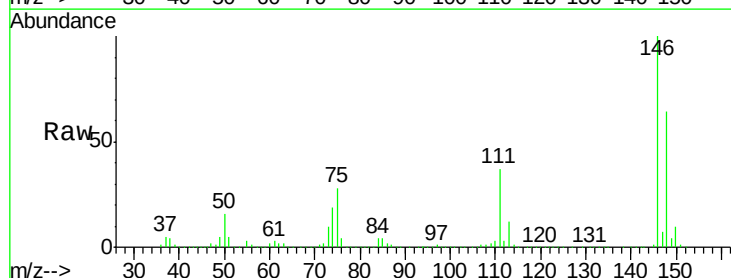
Instrument :
 MSVOA_X
 ClientSampleId :

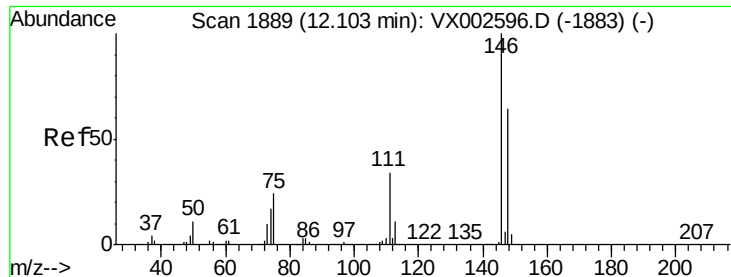
Tot Ion:119 Resp: 587968
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.1
 91 23.5 11.9 35.7



#87
 1,3-Dichlorobenzene
 Concen: 144.85 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

Tgt Ion:146 Resp: 990595
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.9 56.7
 148 64.1 32.1 96.3



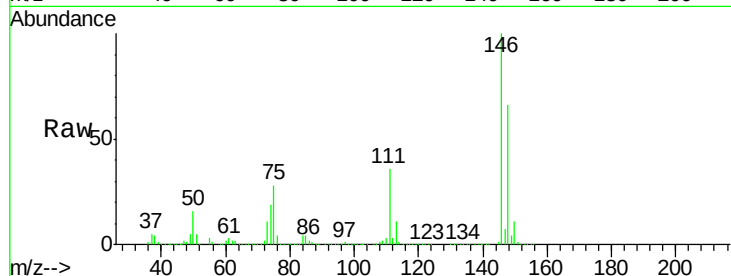


#88
 1,4-Dichlorobenzene
 Concen: 329.53 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

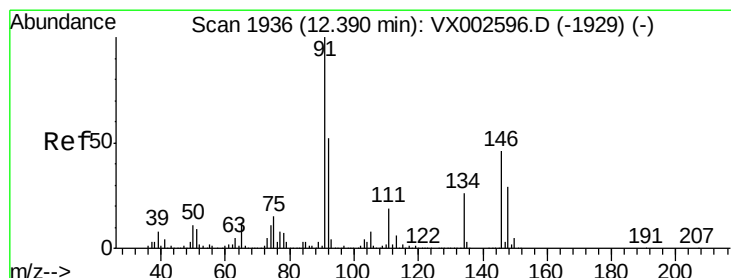
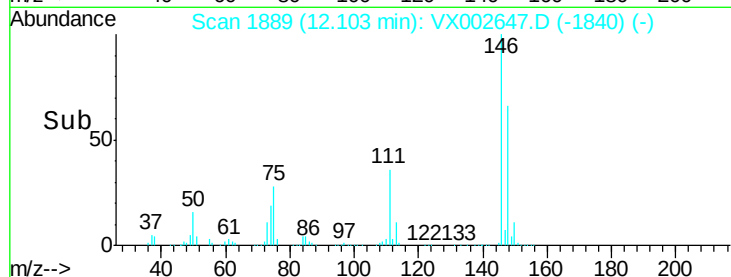
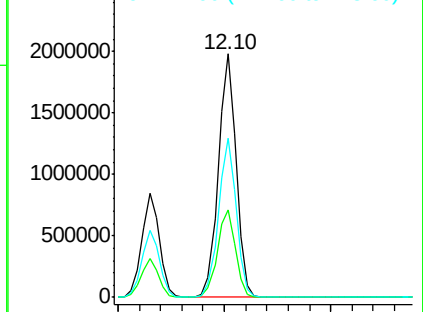
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:146 Resp: 2293066

Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.7	56.1
148	65.2	32.4	97.0



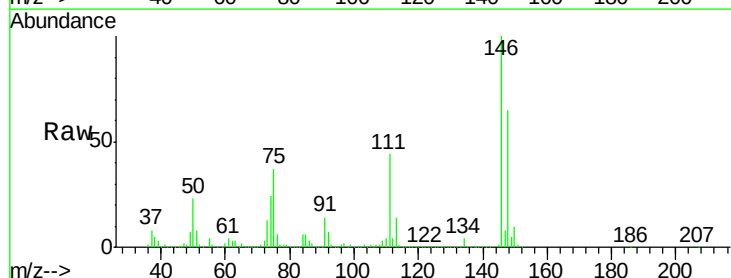
Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



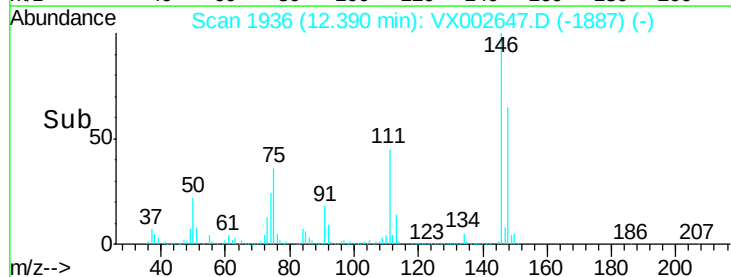
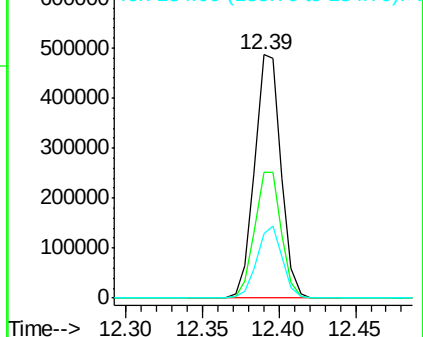
#89
 n-Butylbenzene
 Concen: 54.03 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX002647.D
 Acq: 16 Jun 2018 14:42

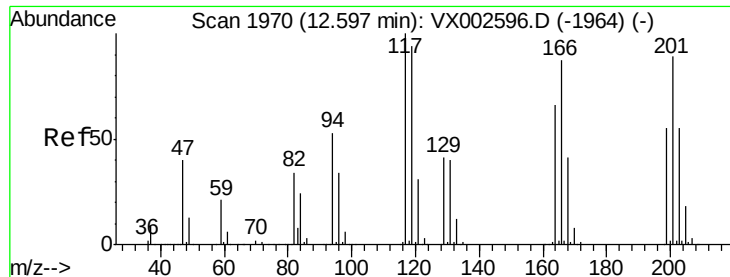
Tgt Ion: 91 Resp: 584377

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	28.7	13.5	40.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 45.71 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

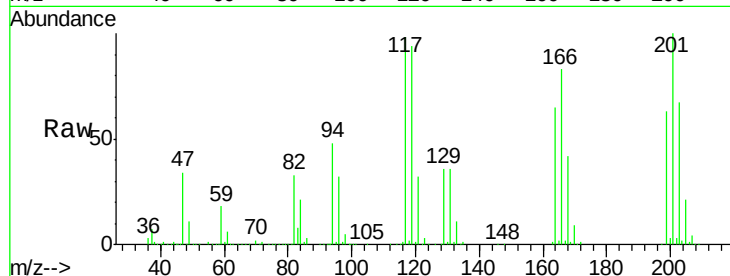
ClientSampled :

Tot Ion:117 Resp: 86908

Ion Ratio Lower Upper

117 100

201 98.0 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.60

60000

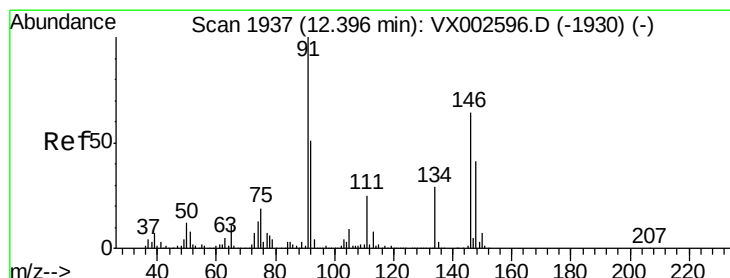
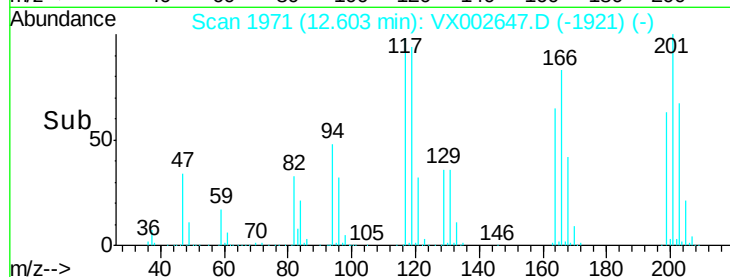
40000

20000

0

Time-->

12.55 12.60 12.65



#91

1,2-Dichlorobenzene

Concen: 1895.85 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. 0.01 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

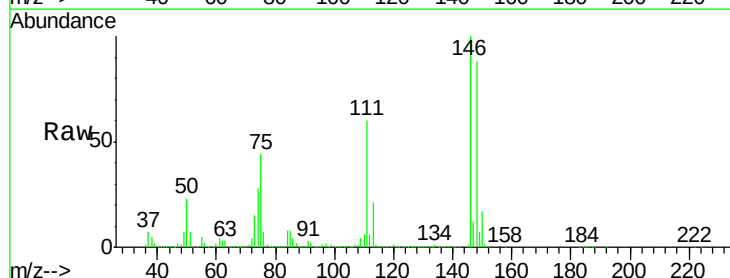
Tgt Ion:146 Resp:13049412

Ion Ratio Lower Upper

146 100

111 49.0 19.4 58.1

148 76.5 31.7 95.1



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

12.40

1e+07

8000000

6000000

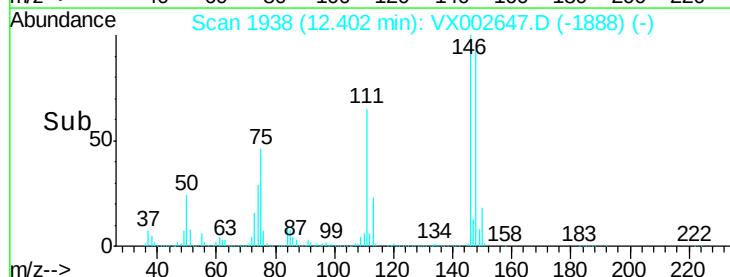
4000000

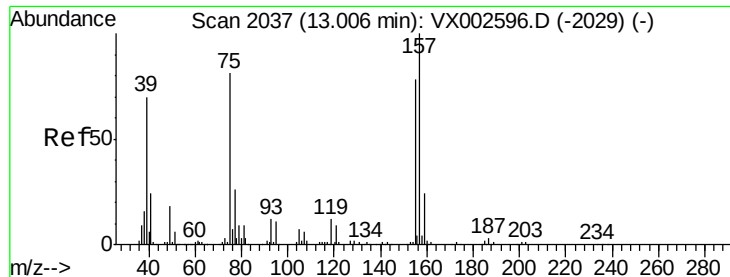
2000000

0

Time-->

12.40 12.60





#92

1,2-Dibromo-3-Chloropropane

Concen: 59.89 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

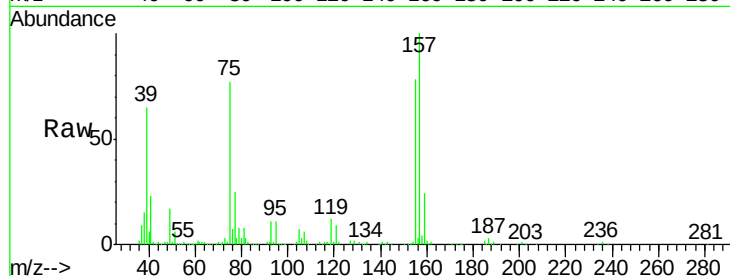
Instrument :

MSVOA_X

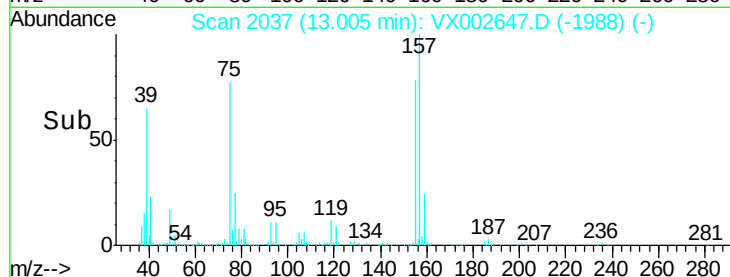
ClientSampleId :

Tot Ion: 75 Resp: 49591

Ion	Ratio	Lower	Upper
75	100		
155	96.2	45.8	137.4
157	124.2	60.1	180.3

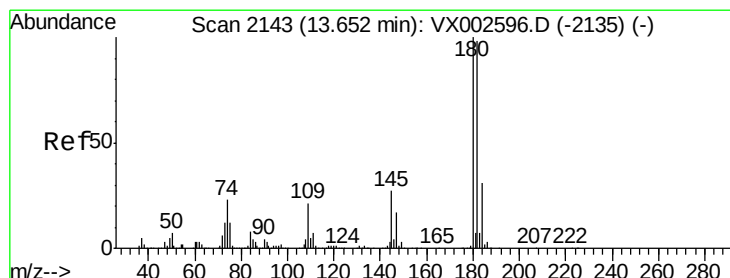


Abundance Ion 74.90 (74.60 to 75.60): VX002647.D (-1988) (-)



Ion 154.80 (154.50 to 155.50): VX002647.D (-1988) (-)

Ion 156.80 (156.50 to 157.50): VX002647.D (-1988) (-)



#93

1,2,4-Trichlorobenzene

Concen: 58.68 ug/l

RT: 13.65 min Scan# 2143

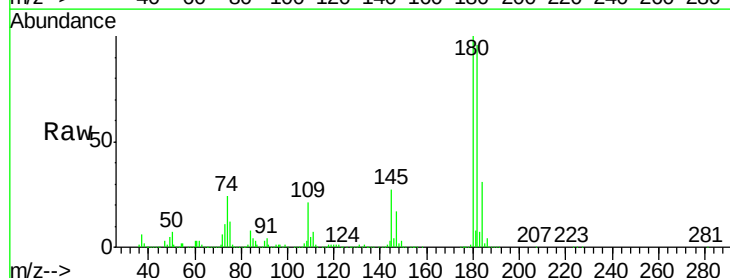
Delta R.T. -0.00 min

Lab File: VX002647.D

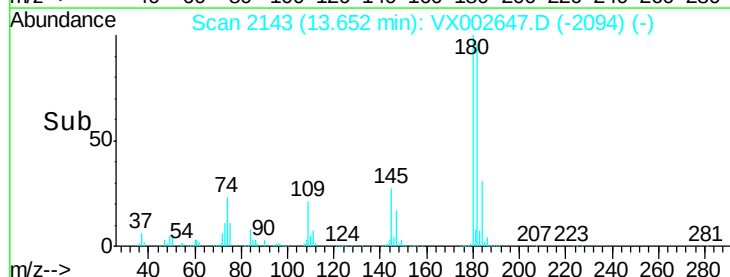
Acq: 16 Jun 2018 14:42

Tgt Ion: 180 Resp: 293136

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.7	143.1
145	27.9	14.1	42.4

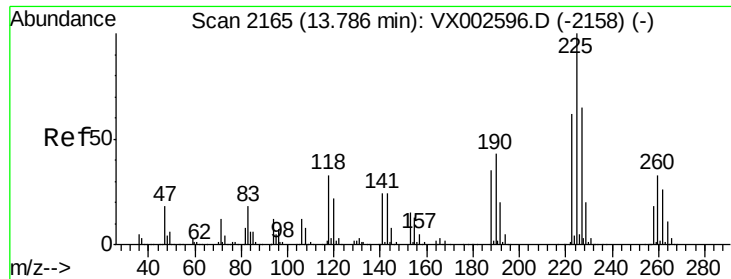


Abundance Ion 179.80 (179.50 to 180.50): VX002647.D (-2094) (-)



Ion 181.80 (181.50 to 182.50): VX002647.D (-2094) (-)

Ion 144.80 (144.50 to 145.50): VX002647.D (-2094) (-)



#94

Hexachlorobutadiene

Concen: 45.87 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

ClientSampled :

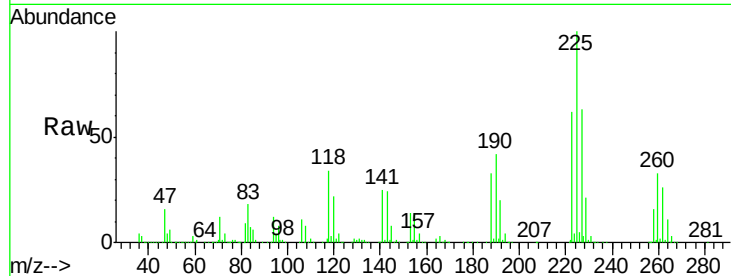
Tot Ion:225 Resp: 120709

Ion Ratio Lower Upper

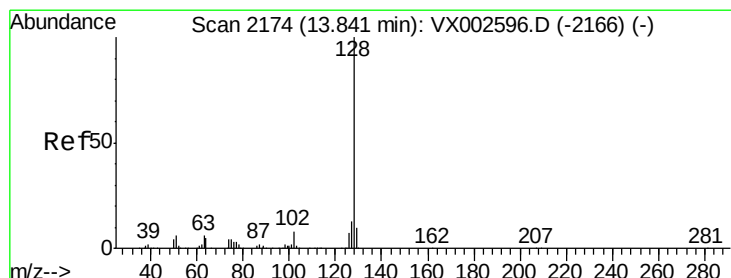
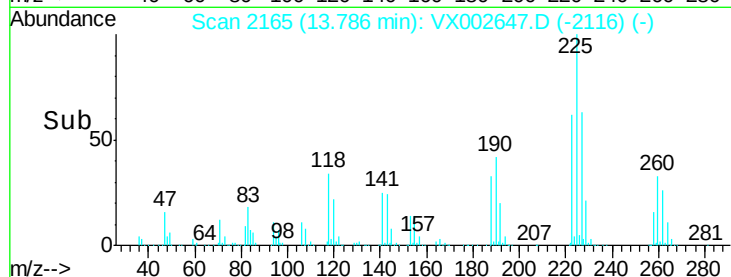
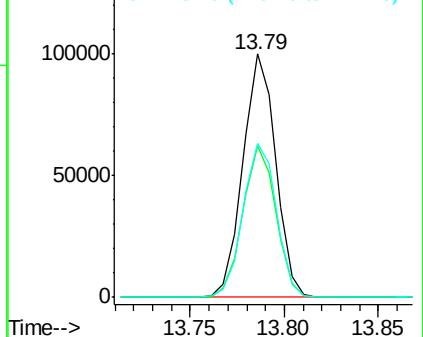
225 100

223 62.6 31.6 95.0

227 64.4 32.4 97.2



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



#95

Naphthalene

Concen: 55.95 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

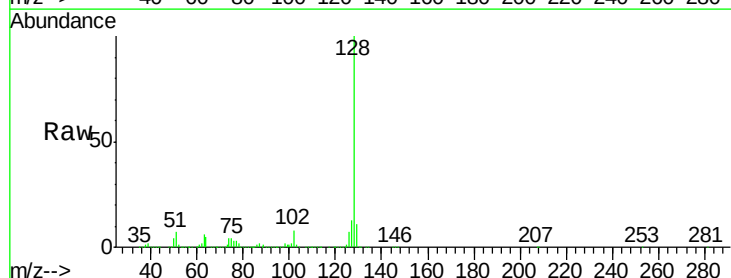
Tgt Ion:128 Resp: 752119

Ion Ratio Lower Upper

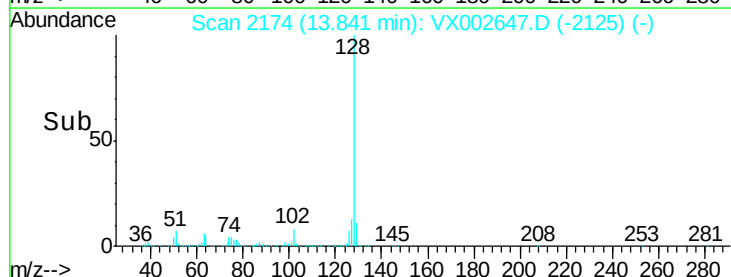
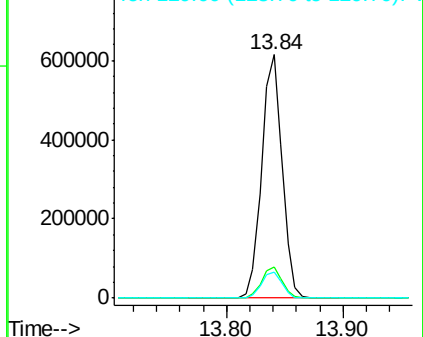
128 100

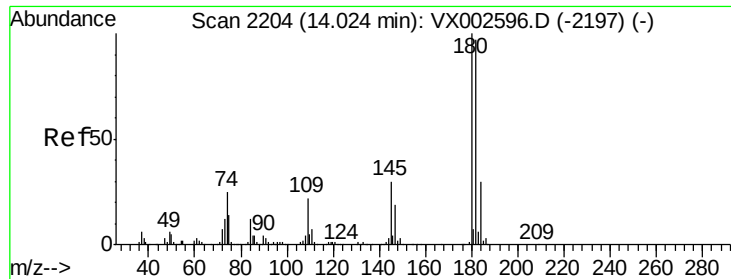
127 13.0 10.4 15.6

129 10.9 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





#96

1,2,3-Trichlorobenzene

Concen: 57.23 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002647.D

Acq: 16 Jun 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

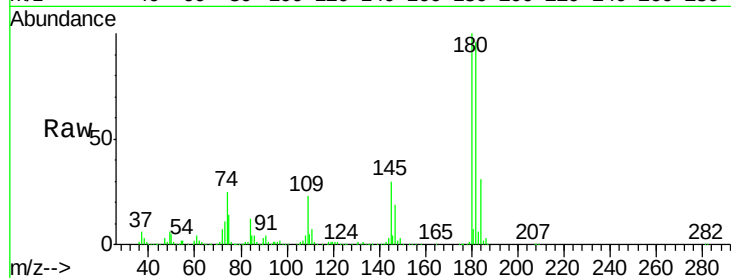
Tot Ion:180 Resp: 287132

Ion Ratio Lower Upper

180 100

182 96.3 48.0 144.0

145 29.8 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

