

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002736.D
 Acq On : 20 Jun 2018 02:29
 Operator : JC/MD
 Sample : VX0619WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 07:02:56 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	234113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	330761	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	191620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	154857	43.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.06%	
35) Dibromofluoromethane	5.51	113	123072	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
50) Toluene-d8	8.72	98	455005	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	
62) 4-Bromofluorobenzene	11.14	95	168369	44.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	48397	19.47	ug/l	99
3) Chloromethane	1.32	50	50719	17.16	ug/l	98
4) Vinyl Chloride	1.40	62	57516	18.75	ug/l	97
5) Bromomethane	1.64	94	32074	17.33	ug/l	97
6) Chloroethane	1.72	64	37328	18.46	ug/l	98
7) Trichlorofluoromethane	1.93	101	97961	19.65	ug/l	95
8) Diethyl Ether	2.19	74	34137	18.01	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53165	19.08	ug/l	99
10) Methyl Iodide	2.51	142	57131	18.80	ug/l	99
11) Tert butyl alcohol	3.08	59	72400	98.44	ug/l	97
12) 1,1-Dichloroethene	2.37	96	47976	18.34	ug/l	98
13) Acrolein	2.30	56	43936	130.80	ug/l	100
14) Allyl chloride	2.73	41	90708	17.46	ug/l	99
15) Acrylonitrile	3.15	53	148881	92.77	ug/l	100
16) Acetone	2.45	43	142470	90.77	ug/l	100
17) Carbon Disulfide	2.57	76	121959	19.66	ug/l	100
18) Methyl Acetate	2.78	43	81103	19.40	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	178891	18.23	ug/l	100
20) Methylene Chloride	2.86	84	55467	17.24	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	53143	18.73	ug/l	97
22) Diisopropyl ether	3.88	45	173101	18.42	ug/l	99
23) Vinyl Acetate	3.83	43	719316	91.46	ug/l	100
24) 1,1-Dichloroethane	3.70	63	94296	18.49	ug/l	100
25) 2-Butanone	4.71	43	198659	96.38	ug/l	97
26) 2,2-Dichloropropane	4.59	77	46102	12.58	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	54593	18.91	ug/l	95
28) Bromochloromethane	5.03	49	43656	18.28	ug/l	97
29) Tetrahydrofuran	5.17	42	130669	96.73	ug/l	98
30) Chloroform	5.22	83	96403	19.60	ug/l	98
31) Cyclohexane	5.57	56	79277	18.88	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	84151	20.46	ug/l	99
36) 1,1-Dichloropropene	5.81	75	68408	19.47	ug/l	98
37) Ethyl Acetate	4.87	43	76935	19.35	ug/l	99
38) Carbon Tetrachloride	5.79	117	72768	20.80	ug/l	99

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 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	77799	18.94	ug/l	99
40) Benzene	6.15	78	208141	19.76	ug/l	100
41) Methacrylonitrile	5.07	41	43515	19.38	ug/l	97
42) 1,2-Dichloroethane	6.20	62	82241	20.17	ug/l	100
43) Isopropyl Acetate	6.47	43	124110	18.84	ug/l	99
44) Trichloroethene	7.22	130	59743	19.65	ug/l	99
45) 1,2-Dichloropropane	7.52	63	55025	19.85	ug/l	100
46) Dibromomethane	7.67	93	37798	20.38	ug/l	99
47) Bromodichloromethane	7.90	83	66529	20.34	ug/l	94
48) Methyl methacrylate	7.78	41	63542	18.88	ug/l	97
49) 1,4-Dioxane	7.76	88	26955	422.82	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	418061	98.84	ug/l	100
52) Toluene	8.79	92	133369	19.85	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	71762	18.18	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	64793	17.89	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	54633	20.12	ug/l	100
56) Ethyl methacrylate	9.18	69	79988	19.14	ug/l	97
57) 1,3-Dichloropropane	9.38	76	89049	19.39	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	177584	87.87	ug/l	97
59) 2-Hexanone	9.50	43	315057	98.85	ug/l	98
60) Dibromochloromethane	9.59	129	53280	19.89	ug/l	100
61) 1,2-Dibromoethane	9.68	107	57180	20.34	ug/l	100
64) Tetrachloroethene	9.34	164	67437	19.20	ug/l	97
65) Chlorobenzene	10.14	112	153505	19.75	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	54480	20.56	ug/l	100
67) Ethyl Benzene	10.26	91	253880	19.37	ug/l	100
68) m/p-Xylenes	10.36	106	196489	38.86	ug/l	99
69) o-Xylene	10.70	106	95403	19.20	ug/l	99
70) Styrene	10.71	104	160173	19.61	ug/l	99
71) Bromoform	10.86	173	40480	20.00	ug/l #	99
73) Isopropylbenzene	11.02	105	259820	20.27	ug/l	100
74) N-amyl acetate	6.47	43	124110	19.49	ug/l #	99
75) 1,1,1,2-Tetrachloroethane	11.27	83	79553	21.02	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	85938	23.77	ug/l	80
77) Bromobenzene	11.26	156	73043	20.46	ug/l	97
78) n-propylbenzene	11.37	91	293528	19.97	ug/l	100
79) 2-Chlorotoluene	11.43	91	177714	20.25	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	216436	19.98	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	15698	16.91	ug/l #	85
82) 4-Chlorotoluene	11.51	91	205565	19.85	ug/l	99
83) tert-Butylbenzene	11.77	119	211128	20.24	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	224811	20.34	ug/l	99
85) sec-Butylbenzene	11.95	105	259169	19.98	ug/l	99
86) p-Isopropyltoluene	12.07	119	231681	19.74	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	130935	20.00	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	134366	20.17	ug/l	100
89) n-Butylbenzene	12.39	91	190231	18.37	ug/l	99
90) Hexachloroethane	12.60	117	31980	19.18	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	132238	20.07	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16748	21.13	ug/l	98

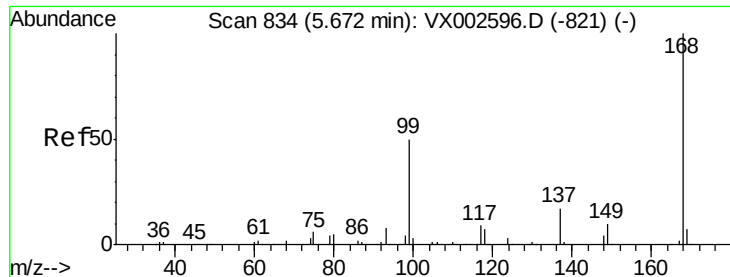
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	93859	19.62	ug/l	99
94) Hexachlorobutadiene	13.79	225	48028	19.06	ug/l	99
95) Naphthalene	13.84	128	265033	20.59	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	97364	20.27	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

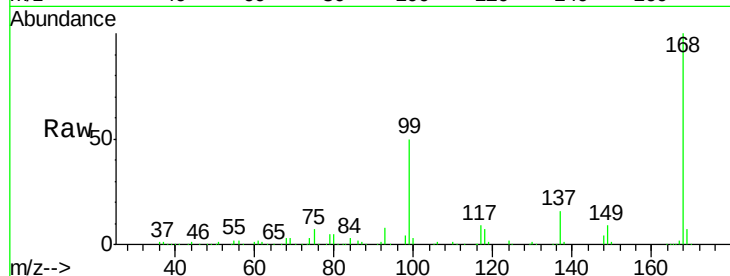
ClientSampleId :

Tot Ion:168 Resp: 234113

Ion Ratio Lower Upper

168 100

99 49.6 39.3 58.9

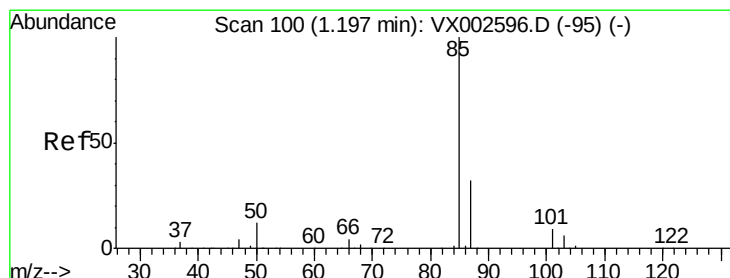
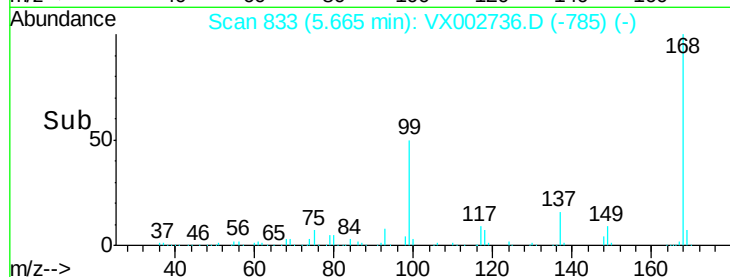


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 19.47 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002736.D

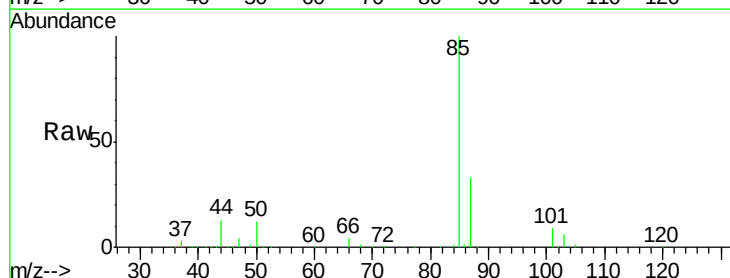
Acq: 20 Jun 2018 02:29

Tgt Ion: 85 Resp: 48397

Ion Ratio Lower Upper

85 100

87 32.6 16.0 47.9

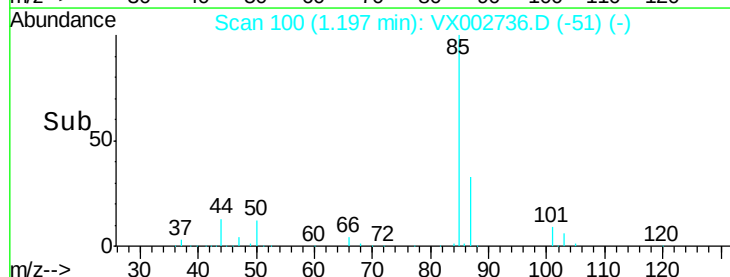


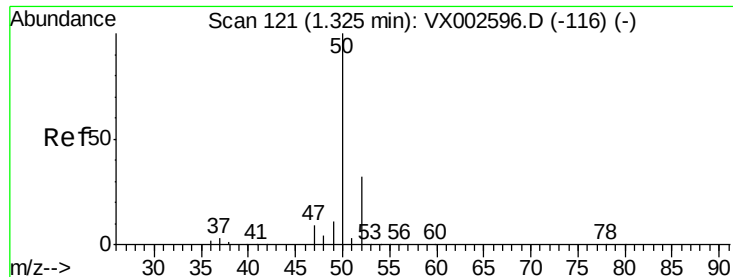
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 17.16 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

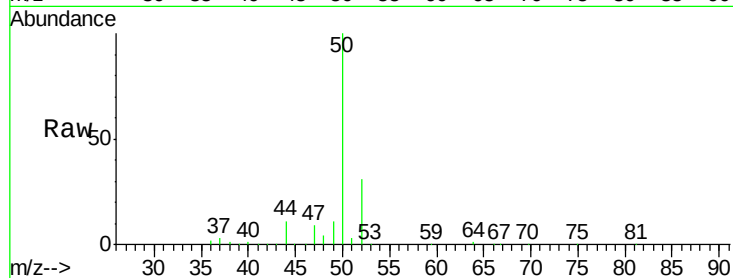
ClientSampled :

Tot Ion: 50 Resp: 50719

Ion Ratio Lower Upper

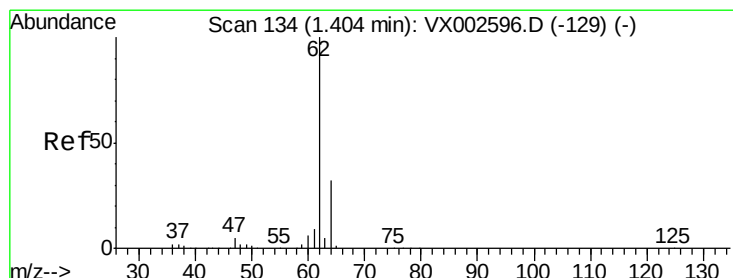
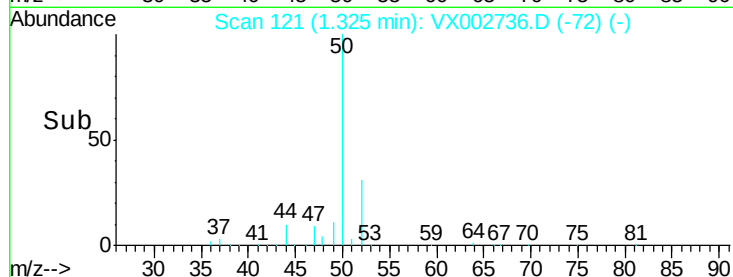
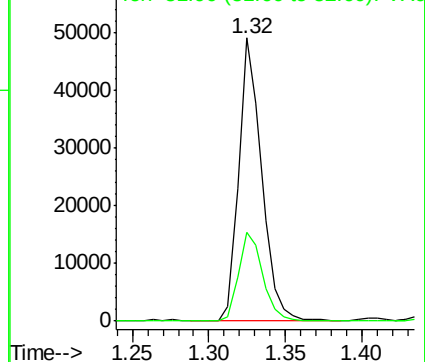
50 100

52 31.3 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: 18.75 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002736.D

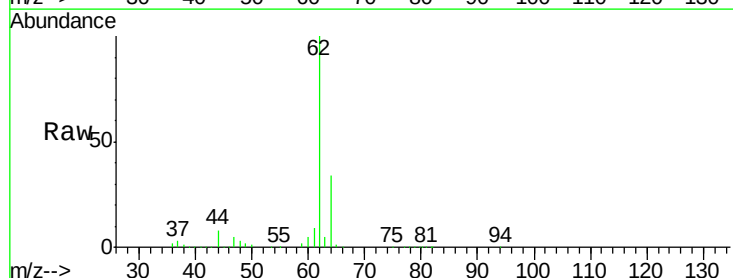
Acq: 20 Jun 2018 02:29

Tgt Ion: 62 Resp: 57516

Ion Ratio Lower Upper

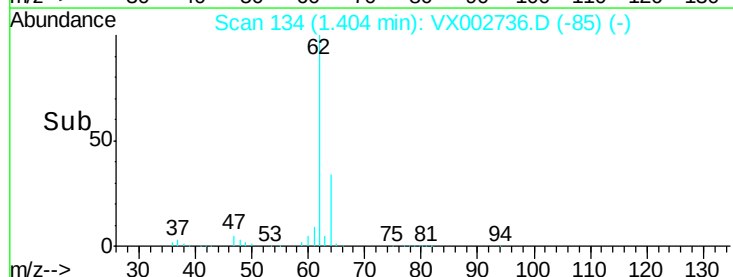
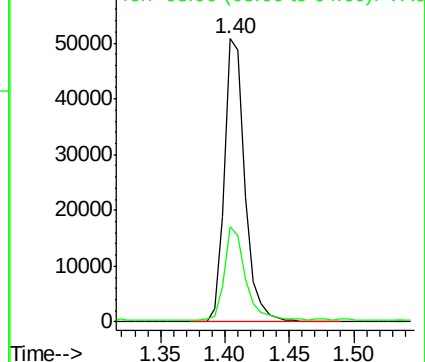
62 100

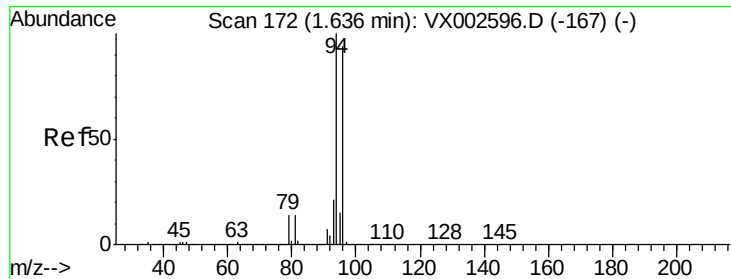
64 33.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.33 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

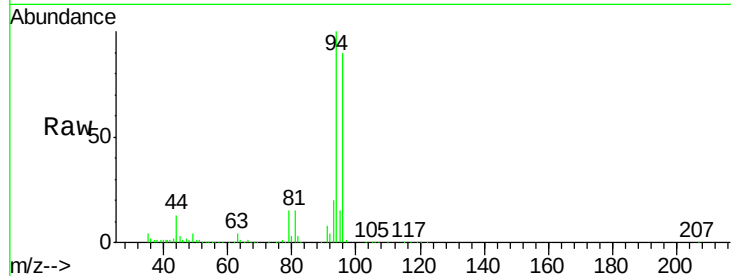
ClientSampleId :

Tot Ion: 94 Resp: 32074

Ion Ratio Lower Upper

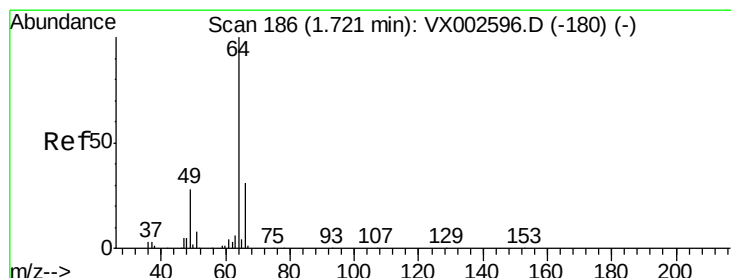
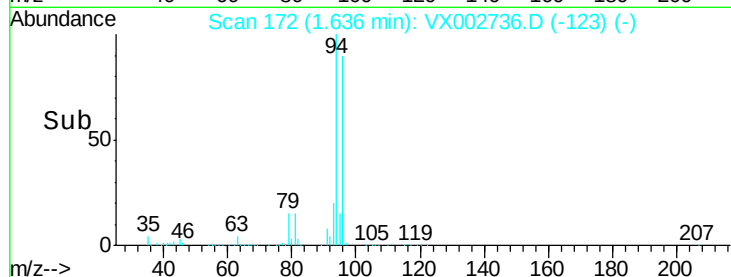
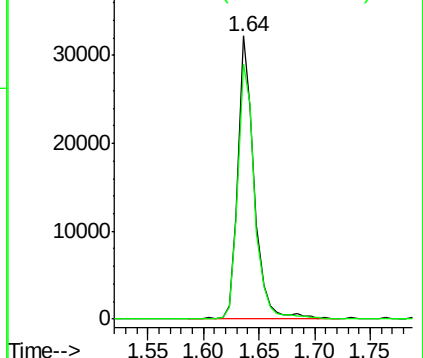
94 100

96 90.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.46 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002736.D

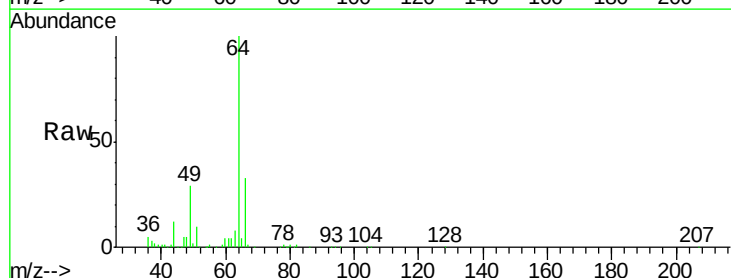
Acq: 20 Jun 2018 02:29

Tgt Ion: 64 Resp: 37328

Ion Ratio Lower Upper

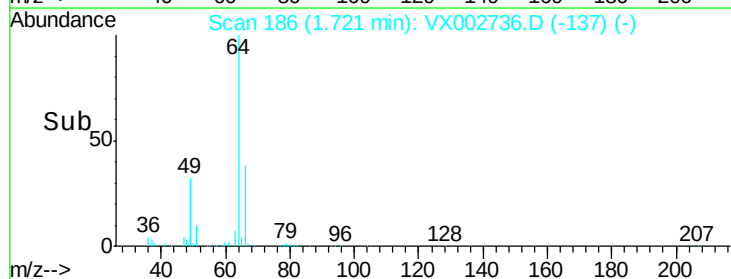
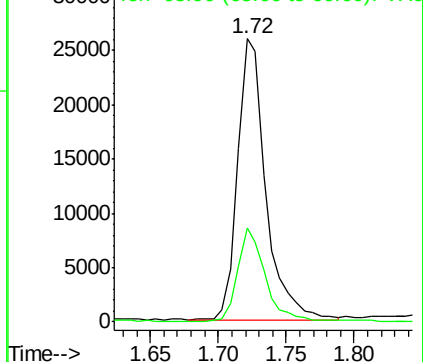
64 100

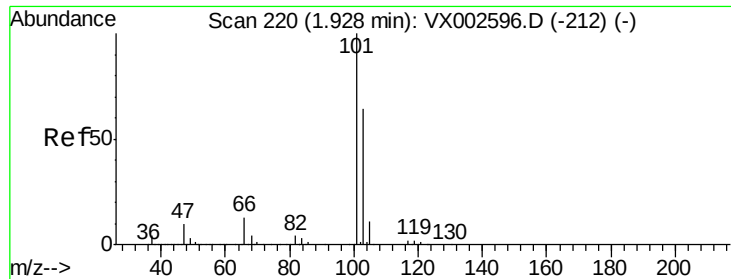
66 33.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



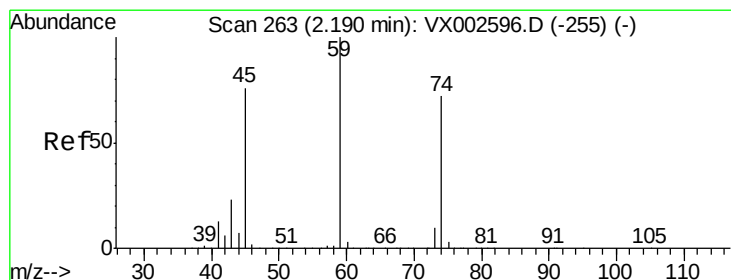
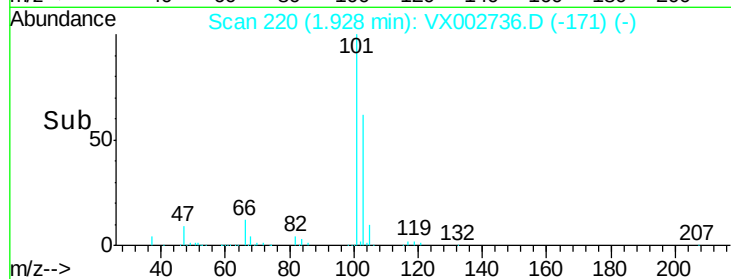
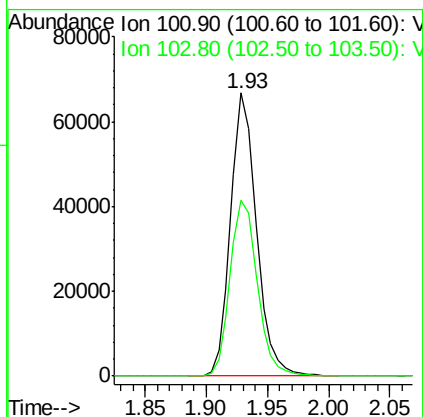
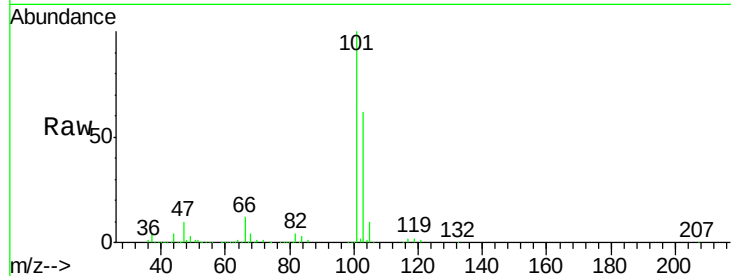


#7

Trichlorofluoromethane
 Concen: 19.65 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

Instrument :
 MSVOA_X
 ClientSampleId :

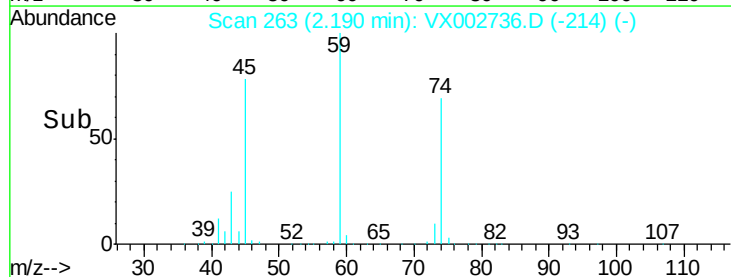
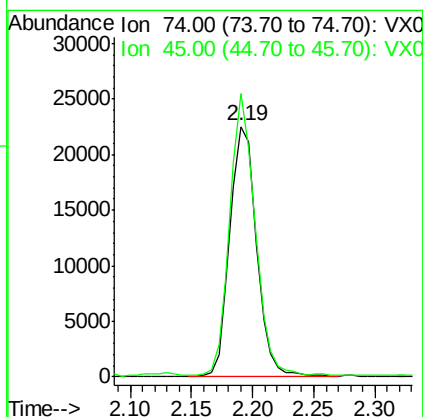
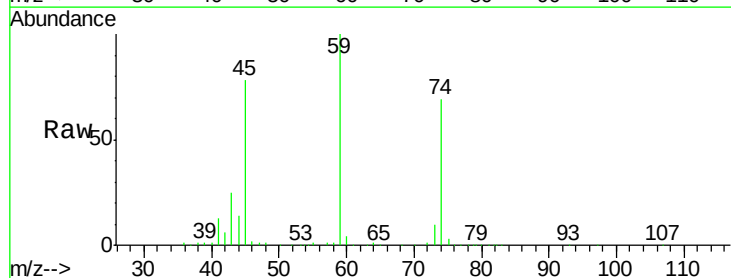
Tot Ion:101 Resp: 97961
 Ion Ratio Lower Upper
 101 100
 103 62.3 52.8 79.2

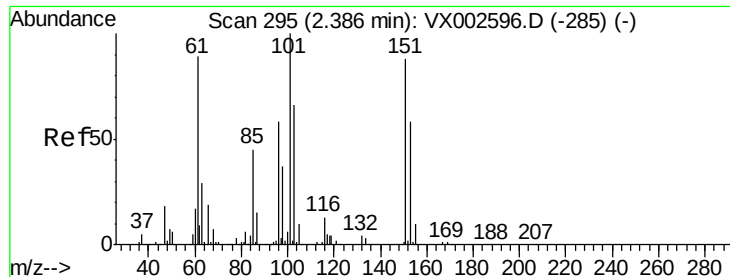


#8

Diethyl Ether
 Concen: 18.01 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

Tgt Ion: 74 Resp: 34137
 Ion Ratio Lower Upper
 74 100
 45 105.4 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.08 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

ClientSampleId :

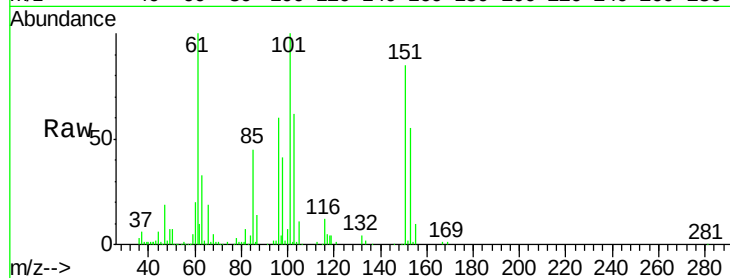
Tot Ion:101 Resp: 53165

Ion Ratio Lower Upper

101 100

85 45.7 36.0 54.0

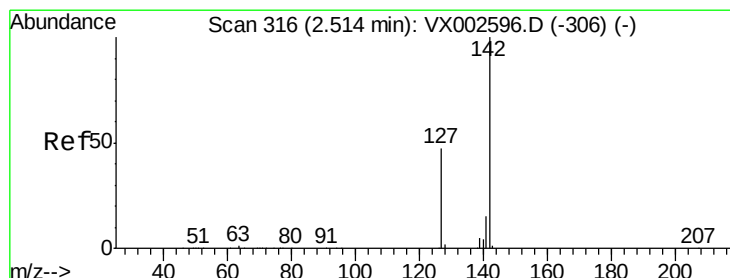
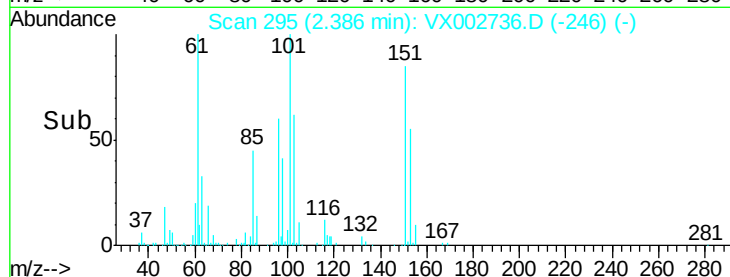
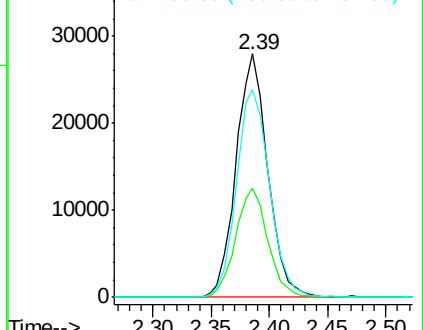
151 89.1 70.9 106.3



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: 18.80 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

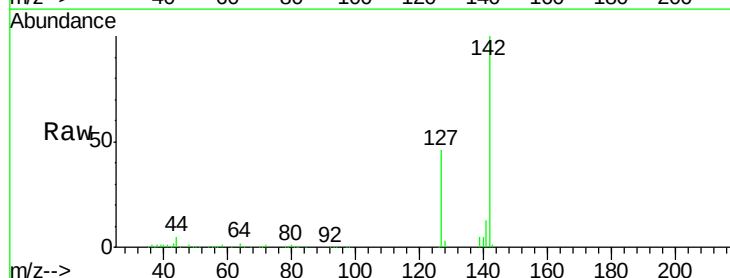
Tgt Ion:142 Resp: 57131

Ion Ratio Lower Upper

142 100

127 46.2 36.6 55.0

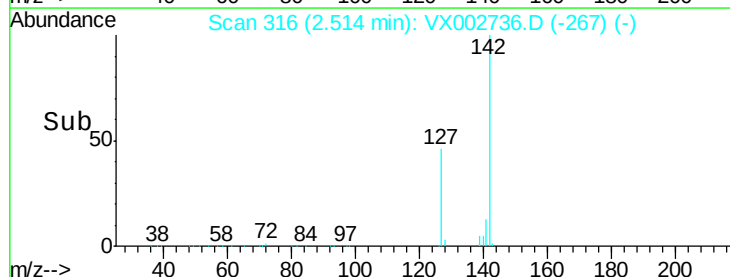
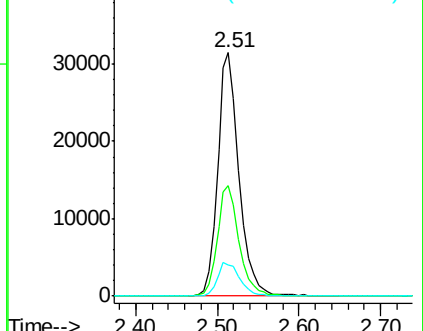
141 14.6 11.3 16.9

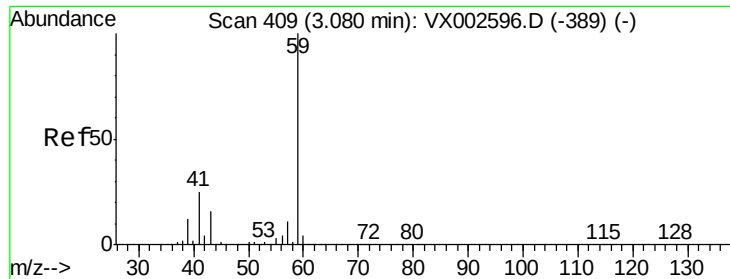


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

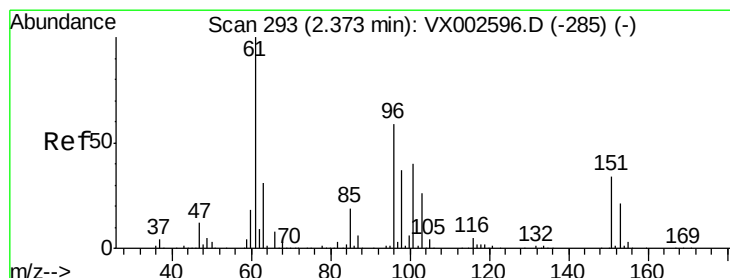
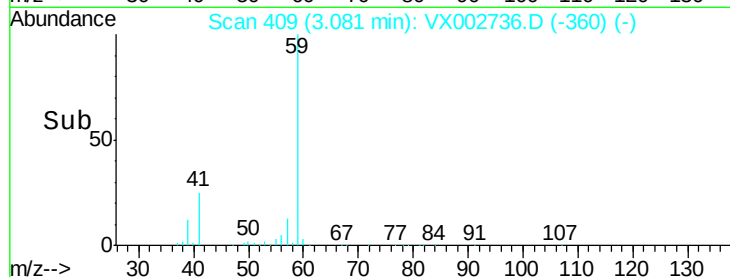
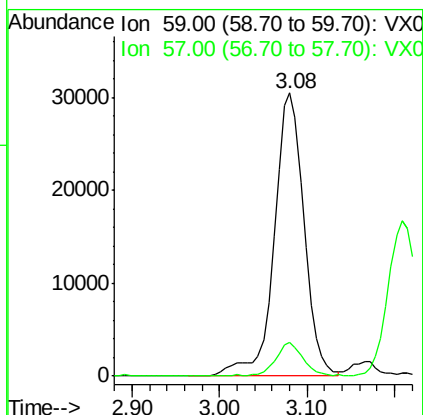
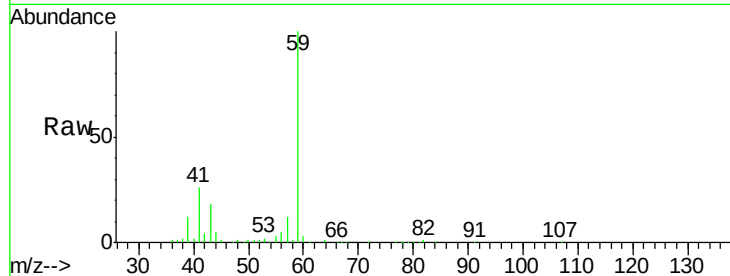




#11
Tert butyl alcohol
Concen: 98.44 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

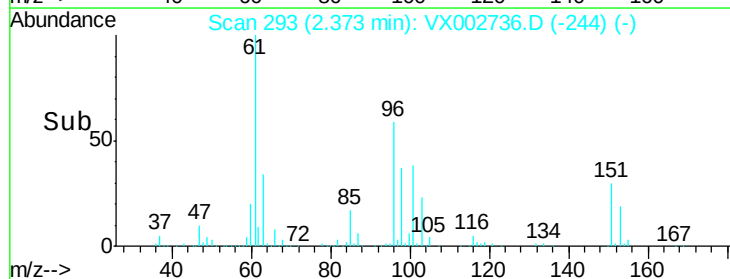
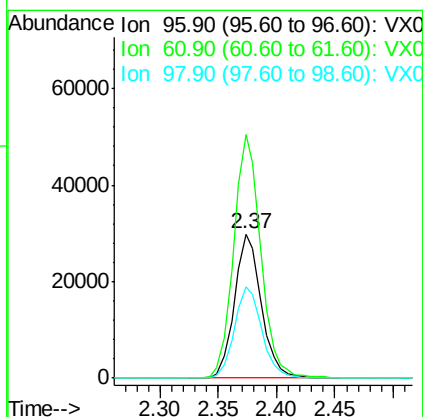
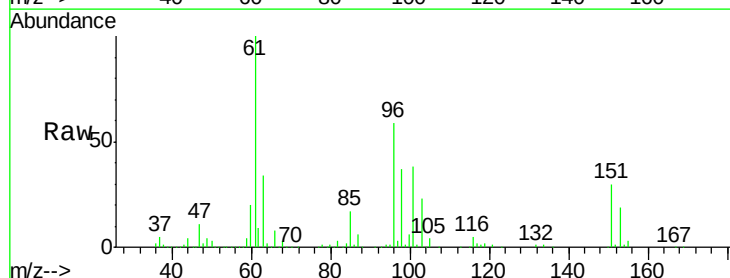
Instrument :
MSVOA_X
ClientSampled :

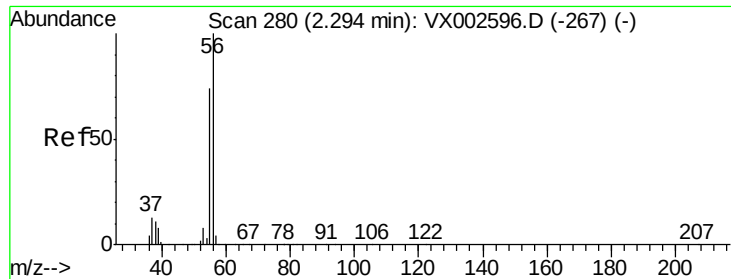
Tot Ion: 59 Resp: 72400
Ion Ratio Lower Upper
59 100
57 11.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 18.34 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion: 96 Resp: 47976
Ion Ratio Lower Upper
96 100
61 169.0 137.9 206.9
98 63.2 51.6 77.4





#13

Acrolein

Concen: 130.80 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

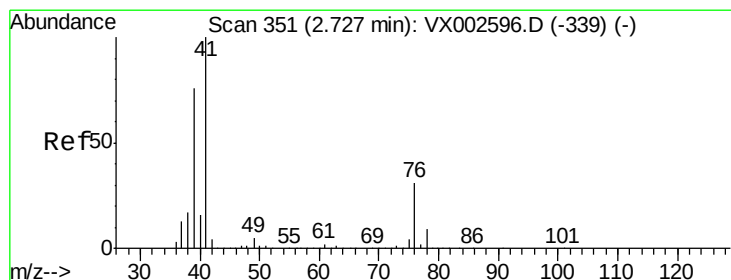
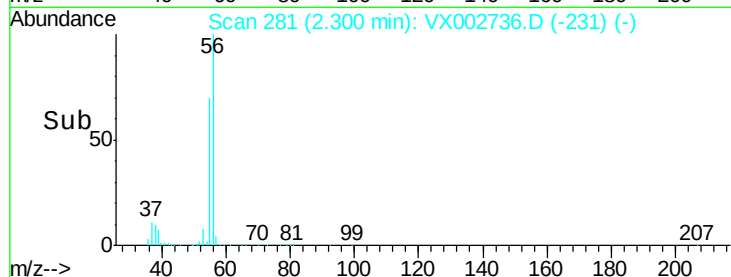
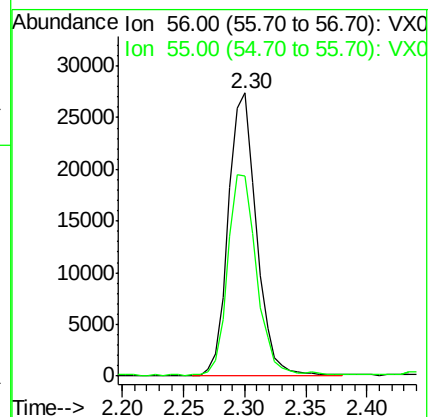
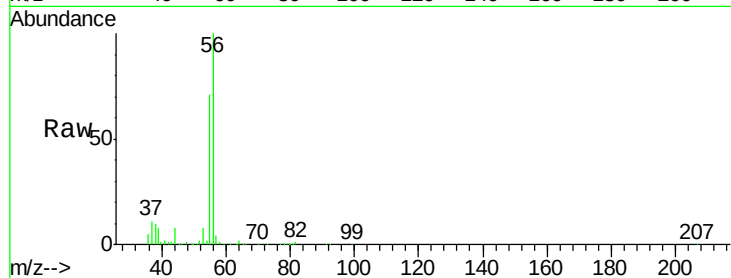
ClientSampleId :

Tot Ion: 56 Resp: 43936

Ion Ratio Lower Upper

56 100

55 71.5 57.0 85.4



#14

Allyl chloride

Concen: 17.46 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

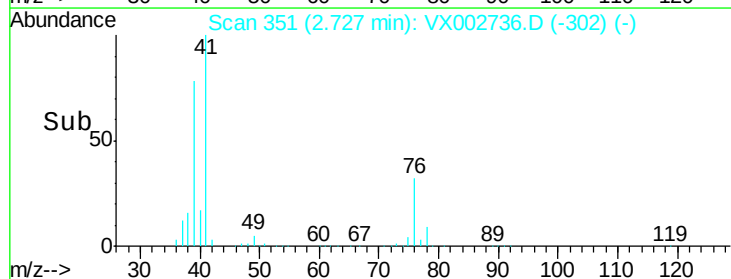
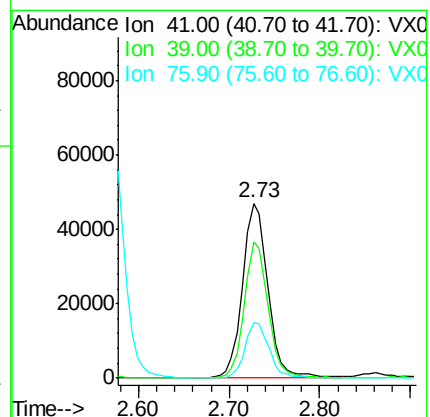
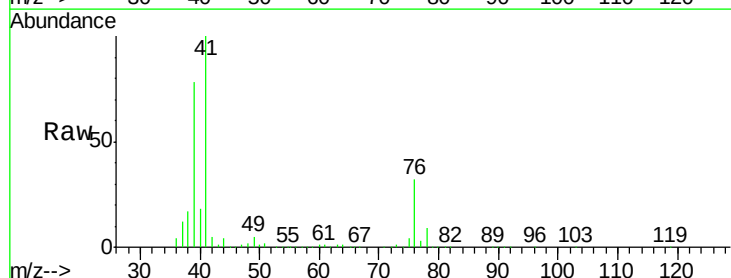
Tgt Ion: 41 Resp: 90708

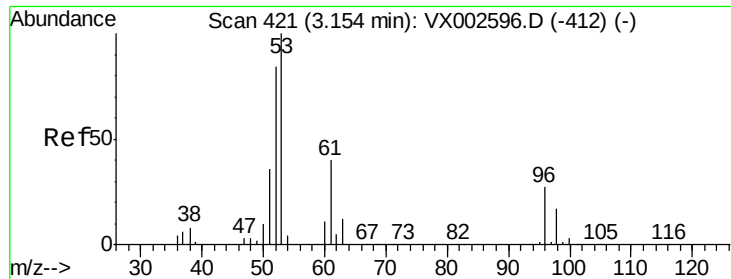
Ion Ratio Lower Upper

41 100

39 72.4 56.8 85.2

76 30.0 23.8 35.8





#15

Acrylonitrile

Concen: 92.77 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :
MSVOA_X
ClientSampleId :

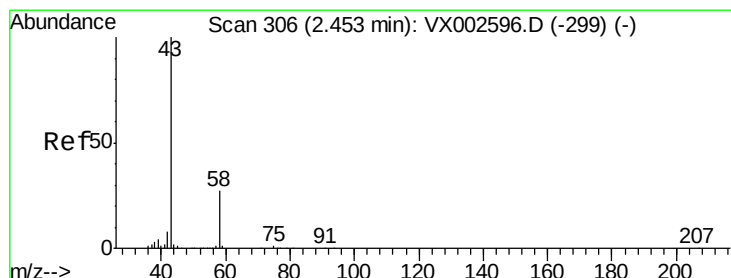
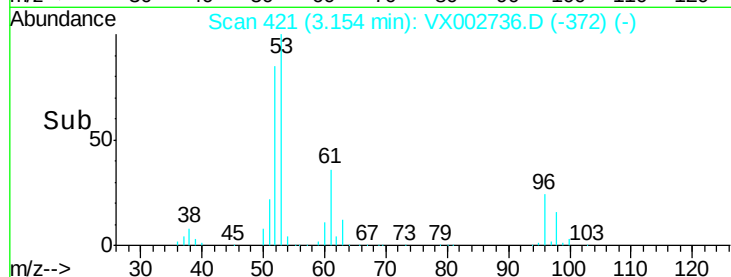
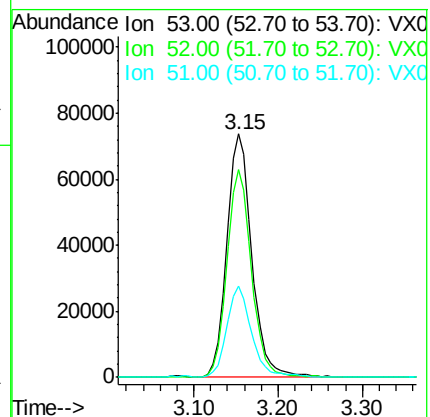
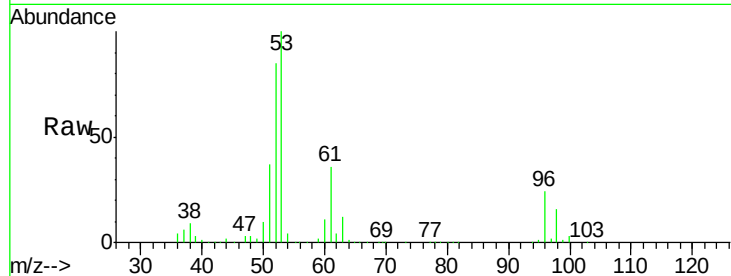
Tot Ion: 53 Resp: 148881

Ion Ratio Lower Upper

53 100

52 83.8 66.7 100.1

51 37.1 29.9 44.9



#16

Acetone

Concen: 90.77 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002736.D

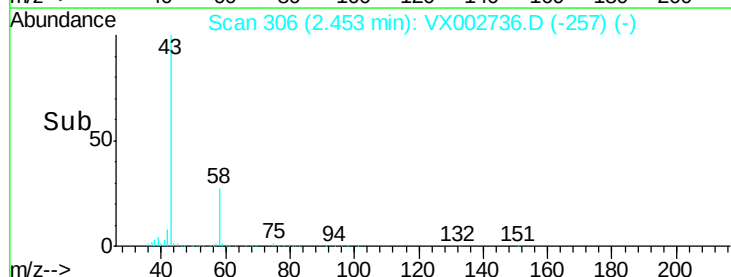
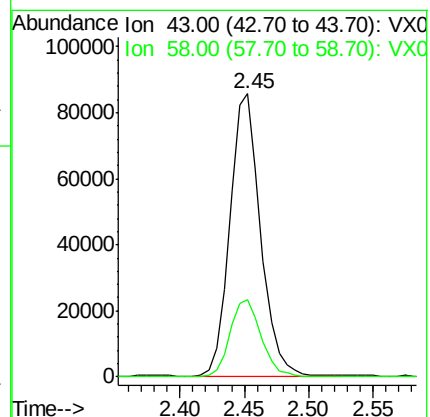
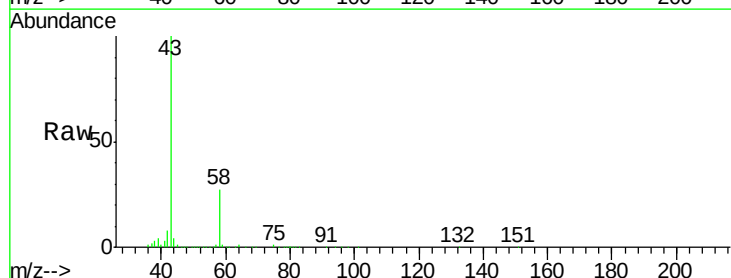
Acq: 20 Jun 2018 02:29

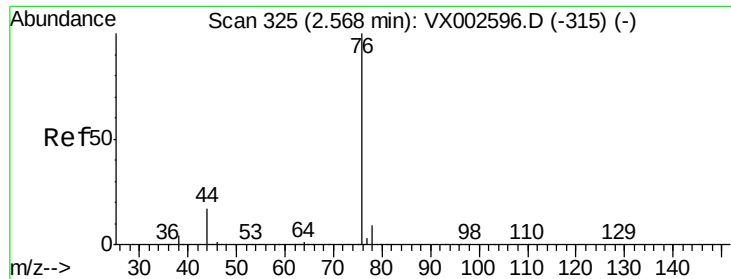
Tgt Ion: 43 Resp: 142470

Ion Ratio Lower Upper

43 100

58 27.4 22.1 33.1

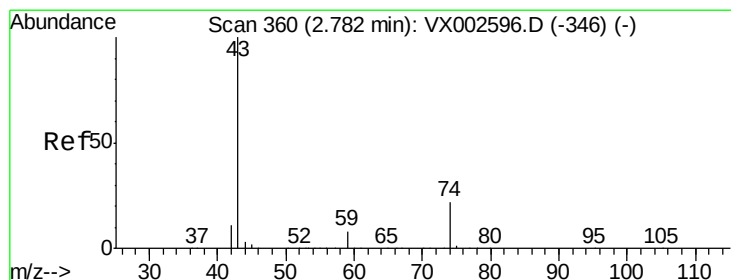
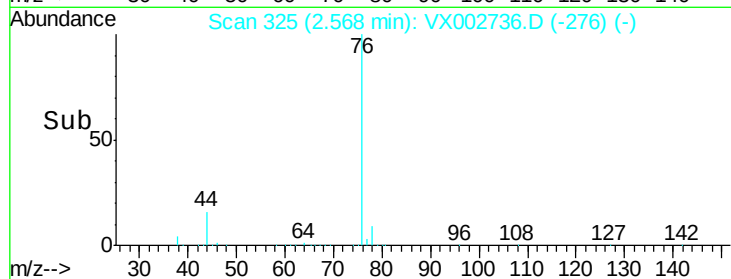
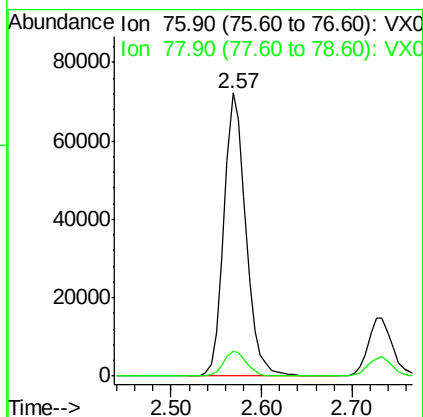
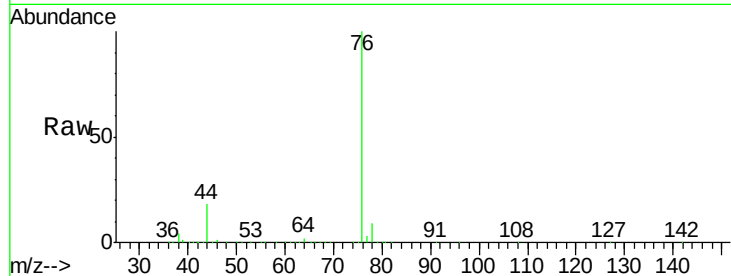




#17
Carbon Disulfide
Concen: 19.66 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

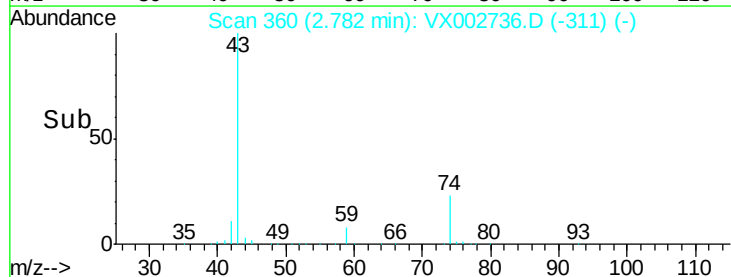
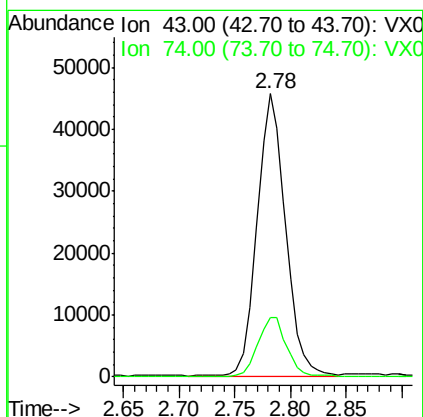
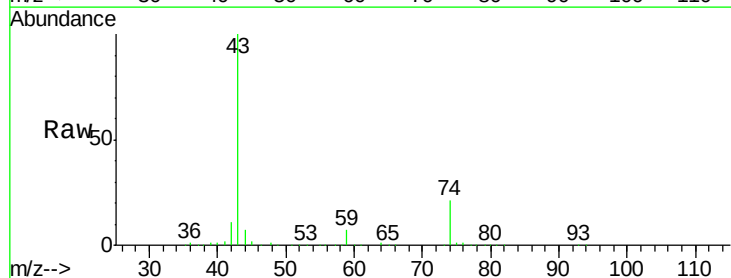
Instrument :
MSVOA_X
ClientSampleId :

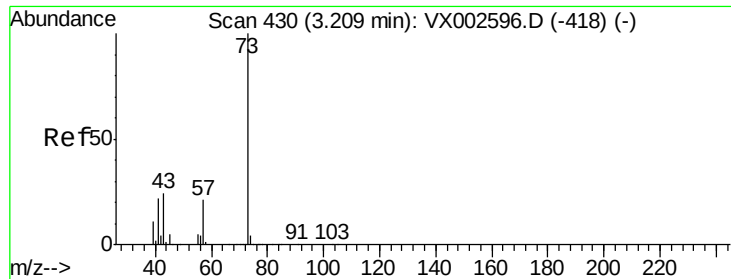
Tot Ion: 76 Resp: 121959
Ion Ratio Lower Upper
76 100
78 8.7 6.9 10.3



#18
Methyl Acetate
Concen: 19.40 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion: 43 Resp: 81103
Ion Ratio Lower Upper
43 100
74 21.7 16.7 25.1

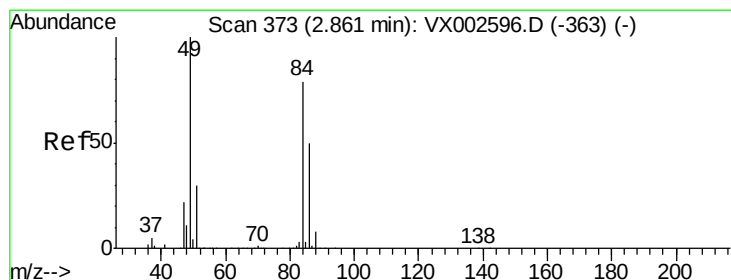
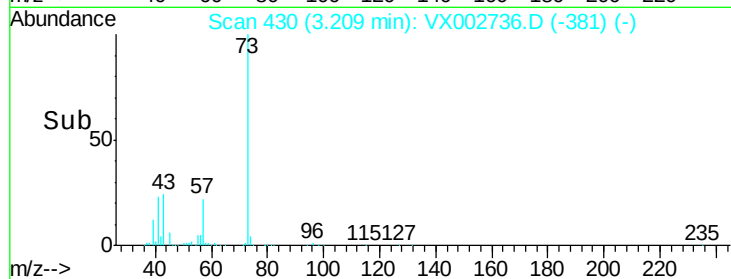
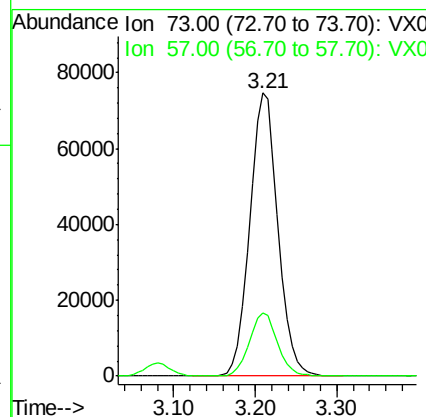
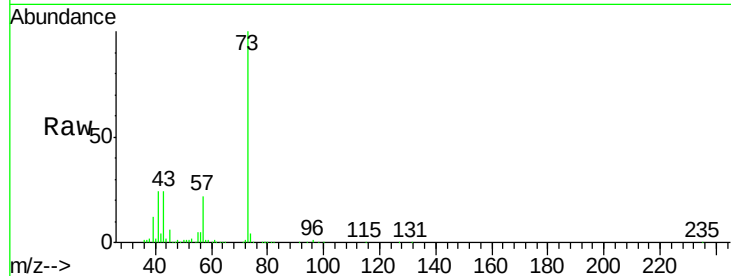




#19
Methyl tert-butyl Ether
Concen: 18.23 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

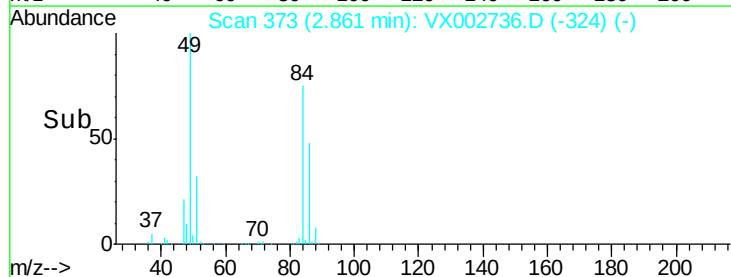
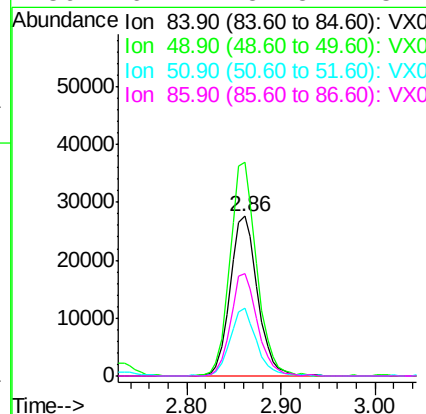
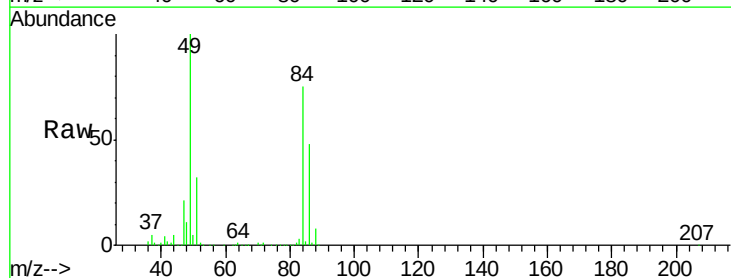
Instrument :
MSVOA_X
ClientSampleId :

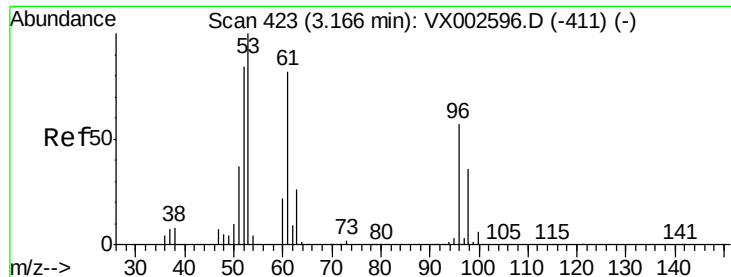
Tot Ion: 73 Resp: 178891
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5



#20
Methylene Chloride
Concen: 17.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion: 84 Resp: 55467
Ion Ratio Lower Upper
84 100
49 133.9 107.8 161.6
51 42.1 32.8 49.2
86 64.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.73 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

ClientSampled :

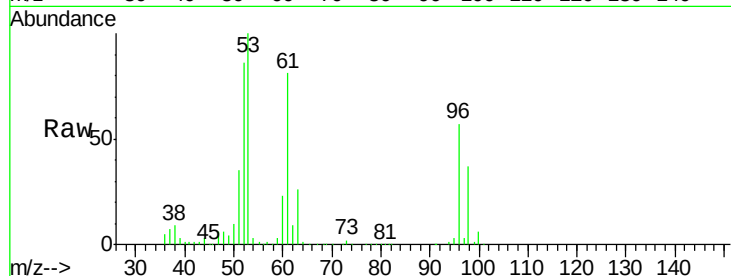
Tot Ion: 96 Resp: 53143

Ion Ratio Lower Upper

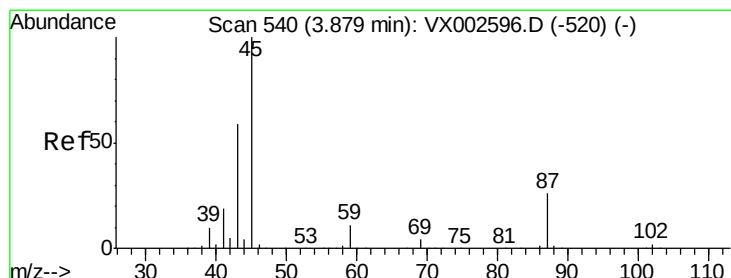
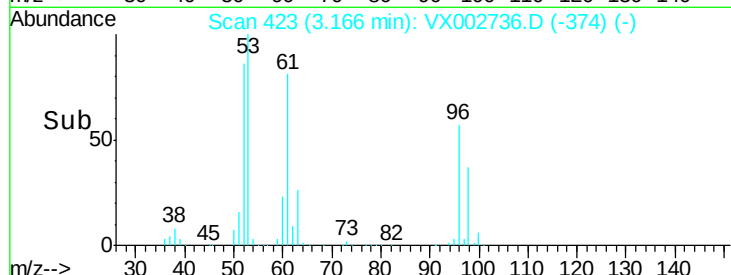
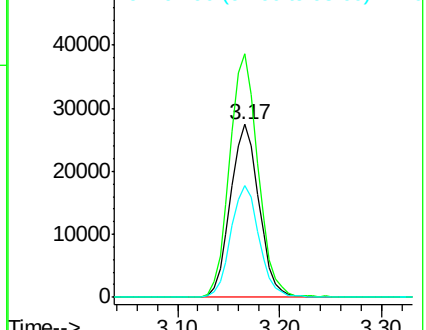
96 100

61 140.9 117.0 175.4

98 64.8 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: 18.42 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Tgt Ion: 45 Resp: 173101

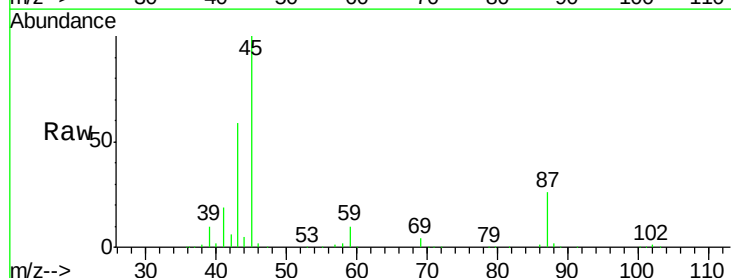
Ion Ratio Lower Upper

45 100

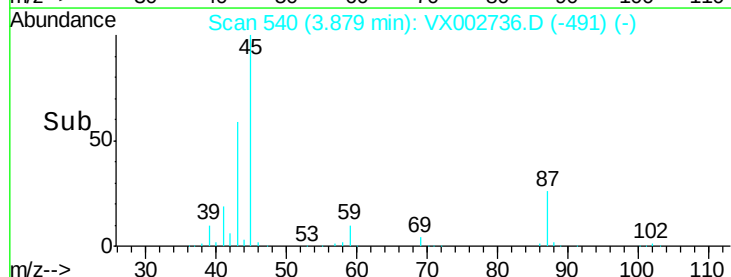
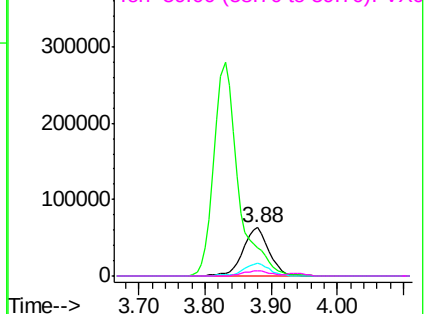
43 58.3 46.8 70.2

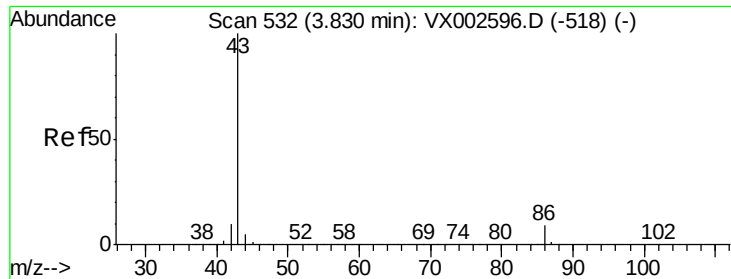
87 25.9 20.2 30.4

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: 91.46 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

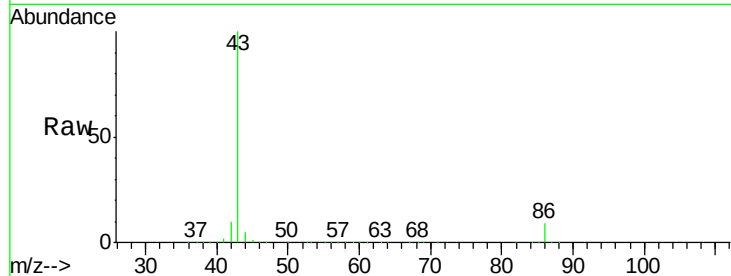
ClientSampleId :

Tot Ion: 43 Resp: 719316

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

300000

250000

200000

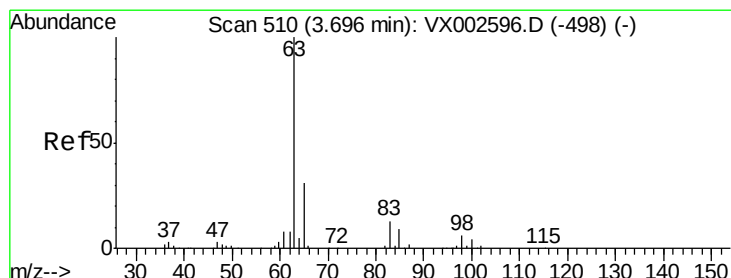
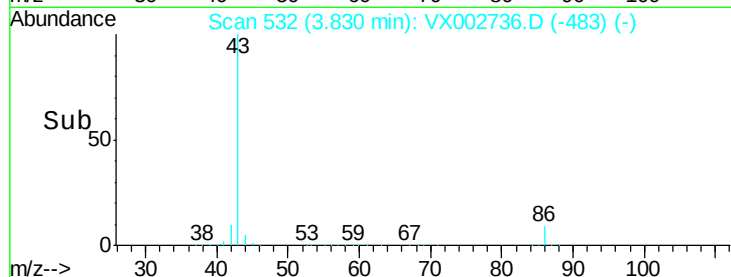
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.49 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

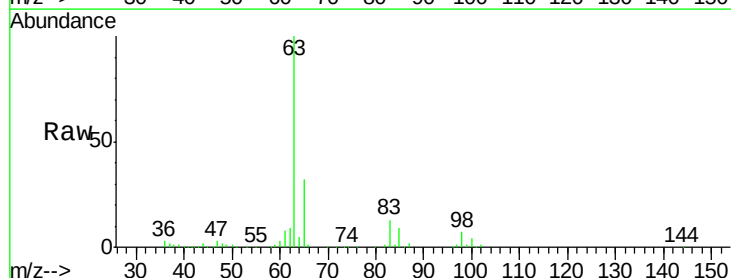
Tgt Ion: 63 Resp: 94296

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 3.8 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

50000

40000

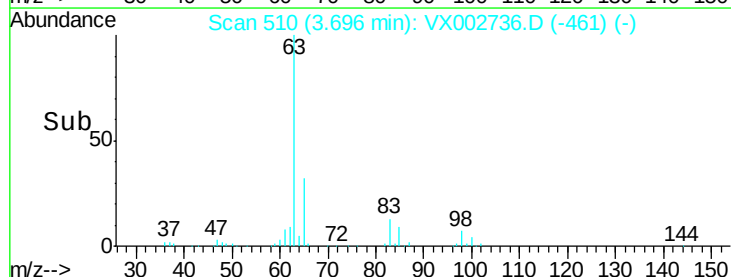
30000

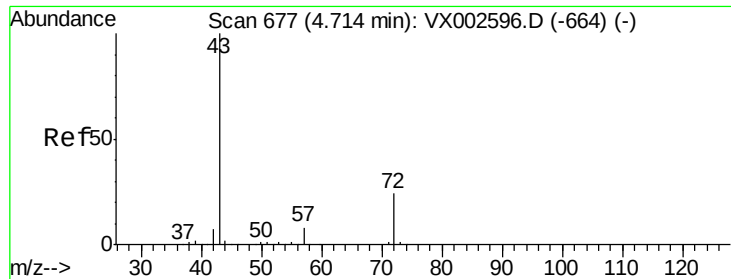
20000

10000

0

Time-->





#25

2-Butanone

Concen: 96.38 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

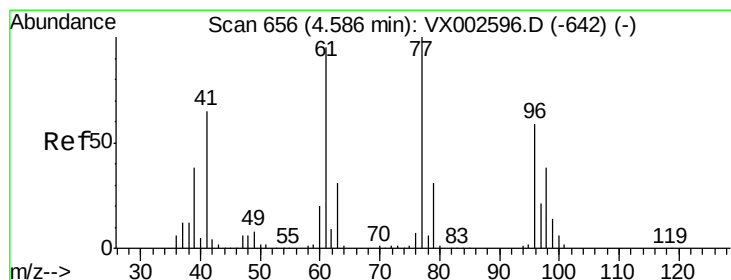
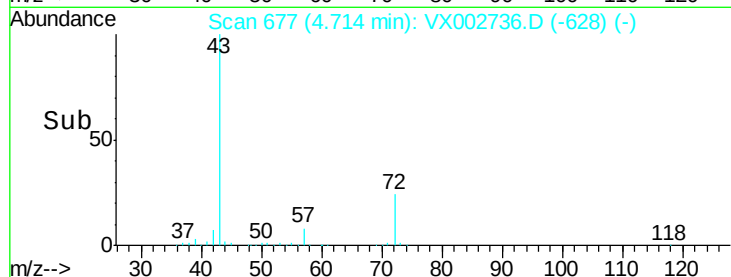
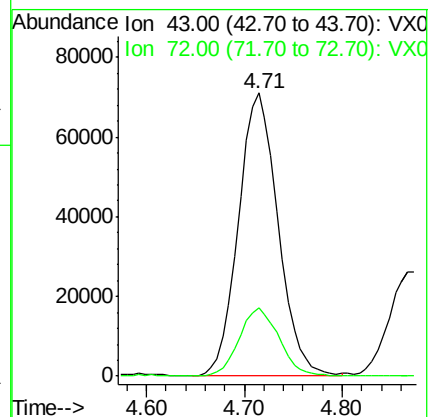
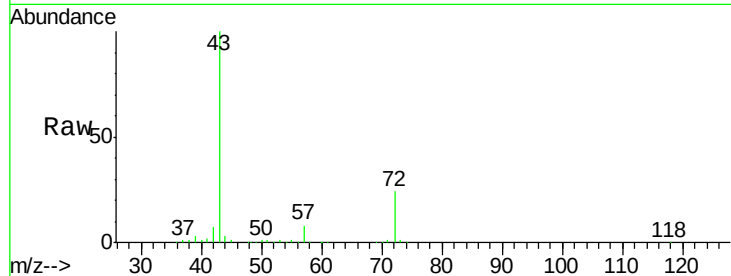
ClientSampleId :

Tot Ion: 43 Resp: 198659

Ion Ratio Lower Upper

43 100

72 24.4 18.5 27.7



#26

2,2-Dichloropropane

Concen: 12.58 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002736.D

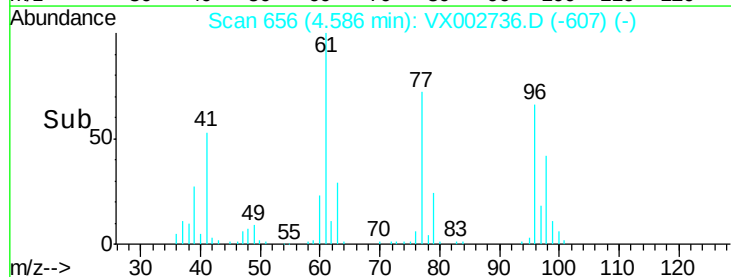
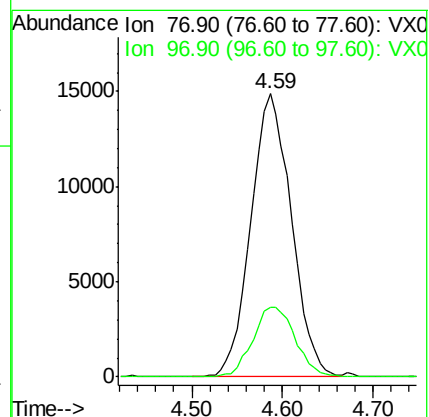
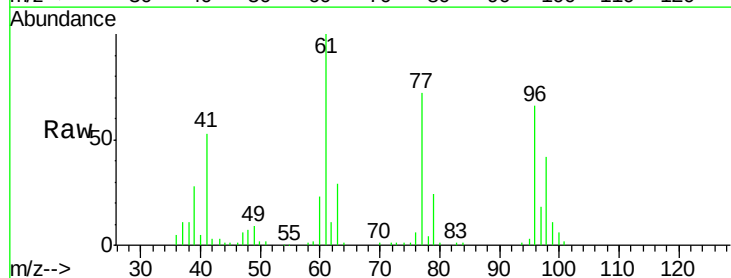
Acq: 20 Jun 2018 02:29

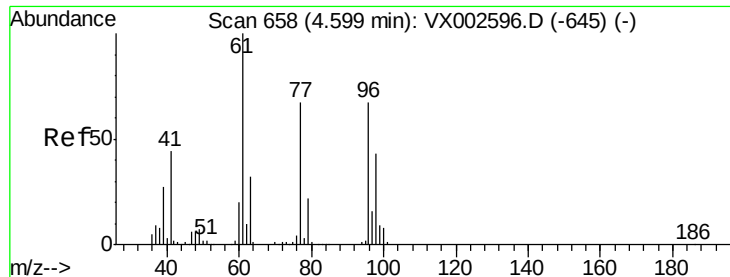
Tgt Ion: 77 Resp: 46102

Ion Ratio Lower Upper

77 100

97 25.7 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 18.91 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

ClientSampleId :

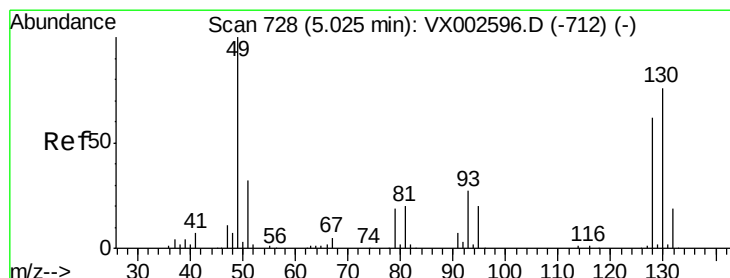
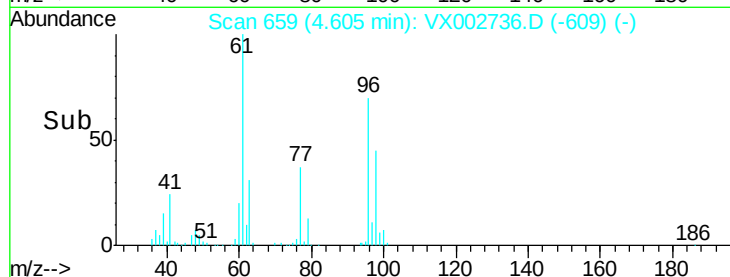
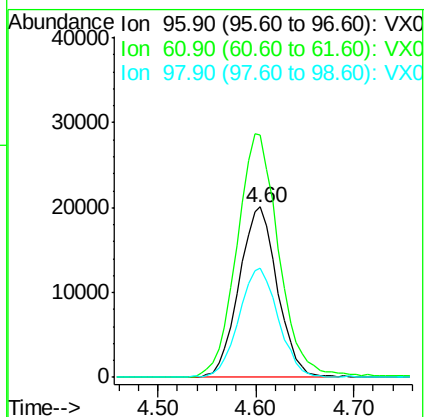
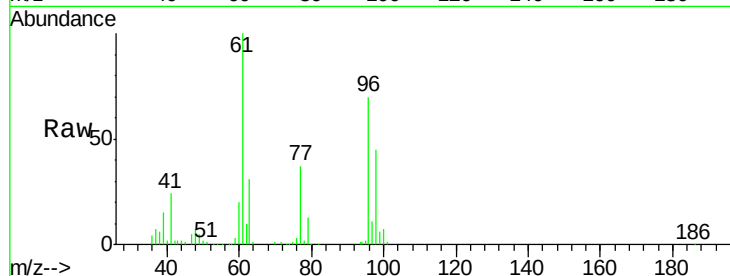
Tot Ion: 96 Resp: 54593

Ion Ratio Lower Upper

96 100

61 157.2 0.0 330.2

98 65.9 0.0 130.2



#28

Bromochloromethane

Concen: 18.28 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

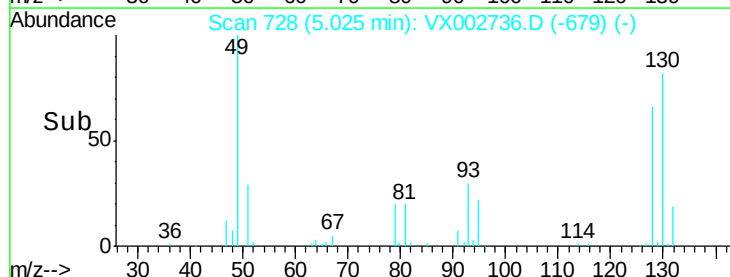
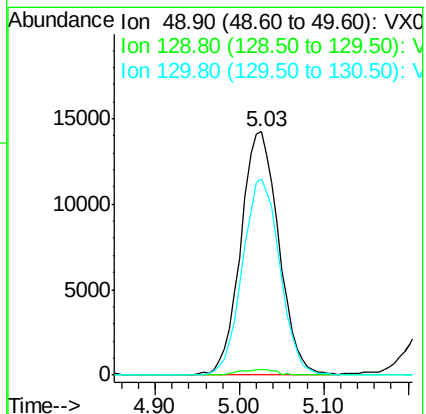
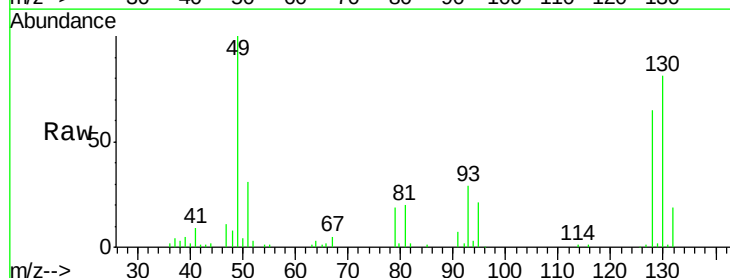
Tgt Ion: 49 Resp: 43656

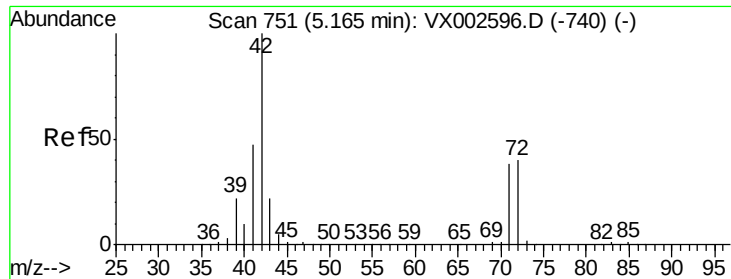
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 79.5 61.2 91.8

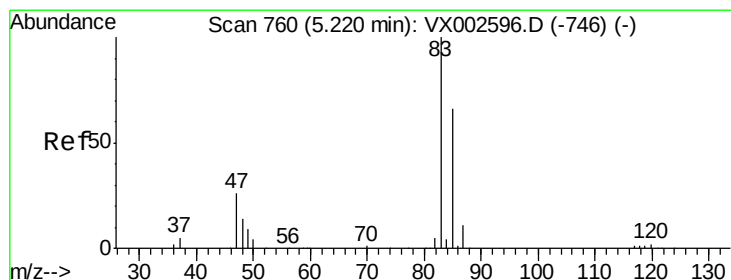
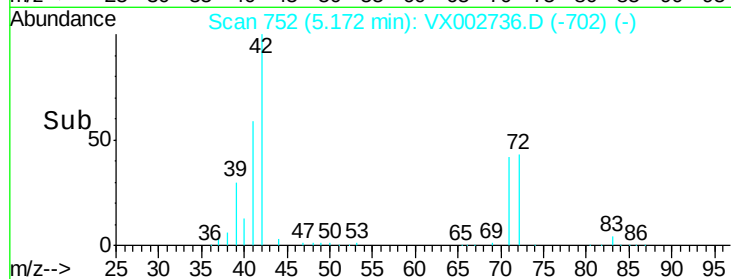
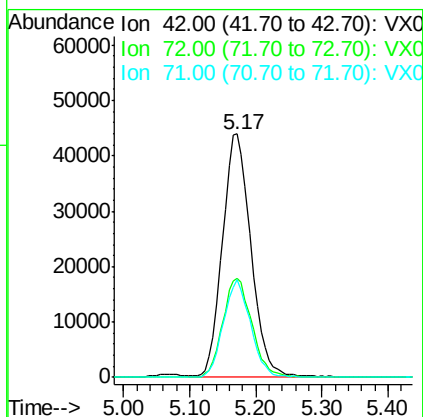
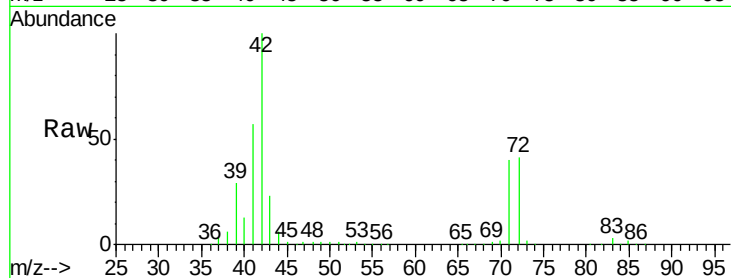




#29
Tetrahydrofuran
Concen: 96.73 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

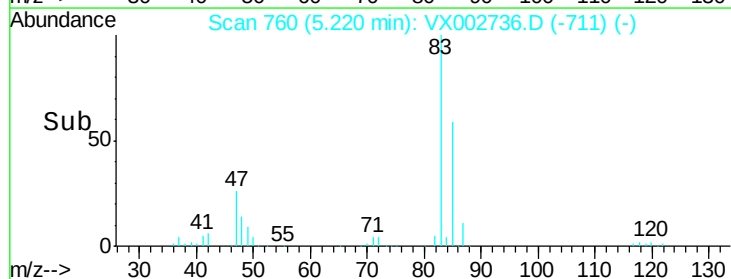
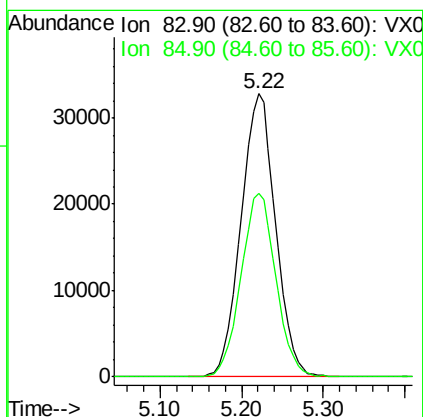
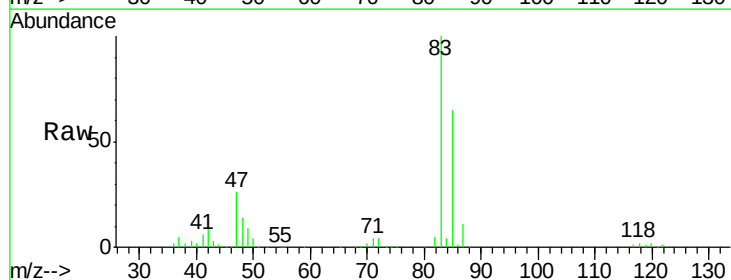
Instrument :
MSVOA_X
ClientSampled :

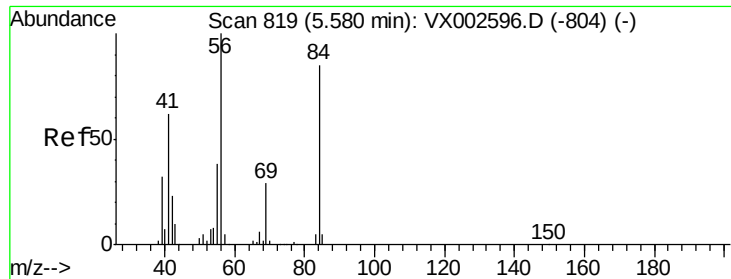
Tot Ion: 42 Resp: 130669
Ion Ratio Lower Upper
42 100
72 41.7 32.0 48.0
71 38.4 30.1 45.1



#30
Chloroform
Concen: 19.60 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion: 83 Resp: 96403
Ion Ratio Lower Upper
83 100
85 64.8 50.4 75.6

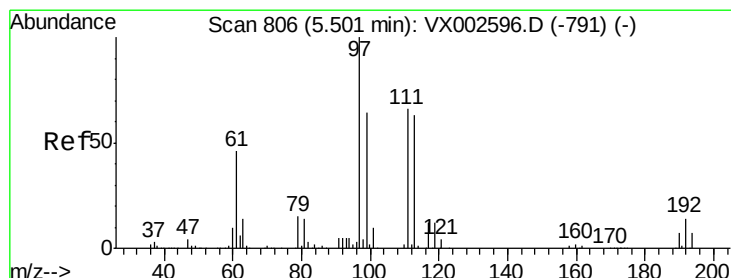
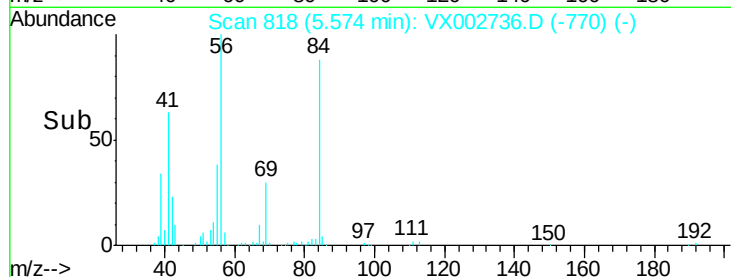
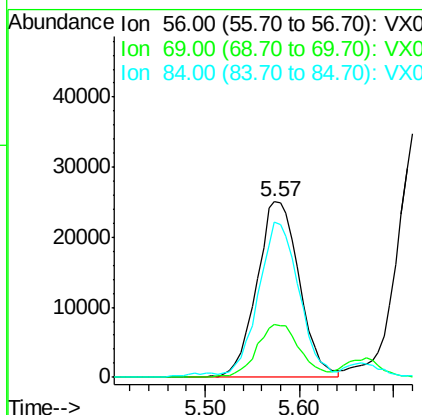
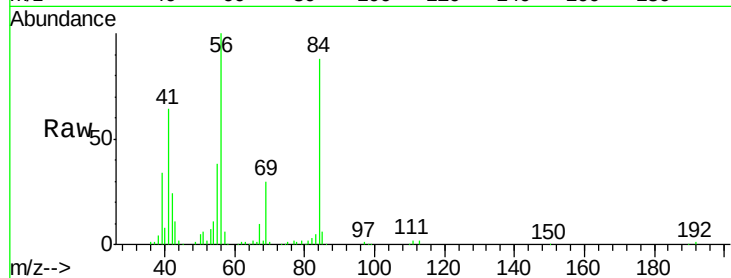




#31
Cyclohexane
Concen: 18.88 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

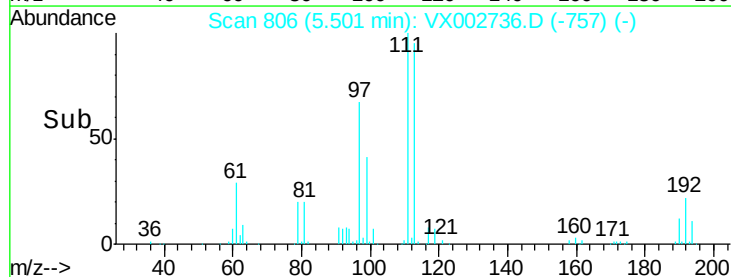
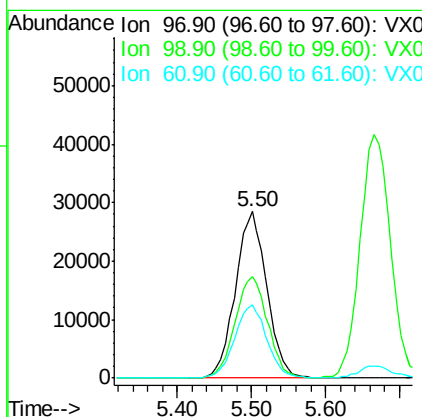
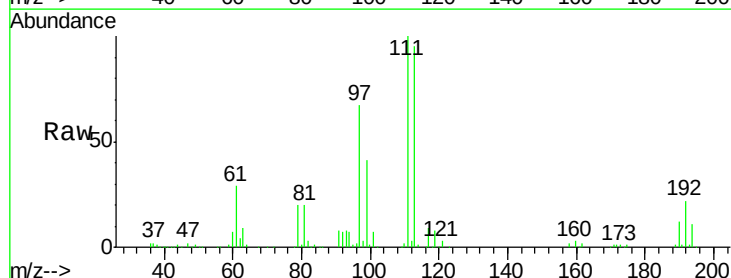
Instrument :
MSVOA_X
ClientSampleId :

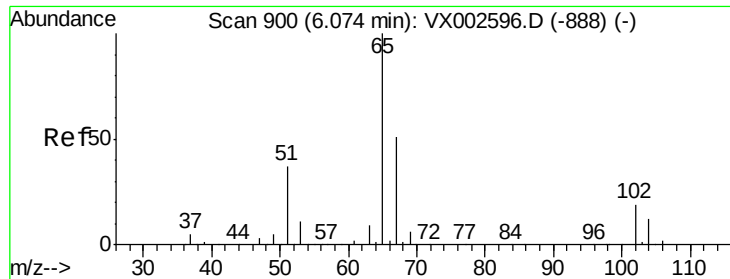
Tot Ion: 56 Resp: 79277
Ion Ratio Lower Upper
56 100
69 30.1 23.7 35.5
84 86.9 64.1 96.1



#32
1,1,1-Trichloroethane
Concen: 20.46 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion: 97 Resp: 84151
Ion Ratio Lower Upper
97 100
99 63.3 51.6 77.4
61 45.0 36.4 54.6

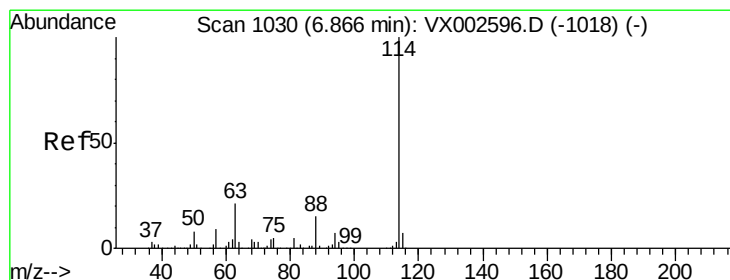
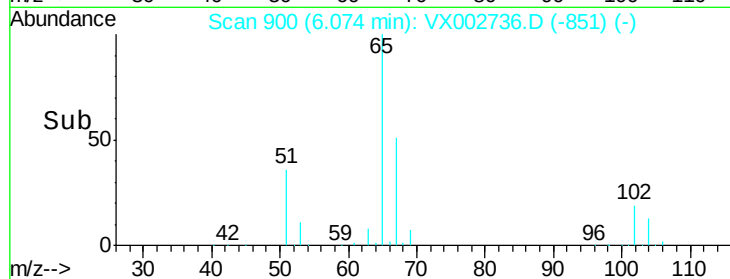
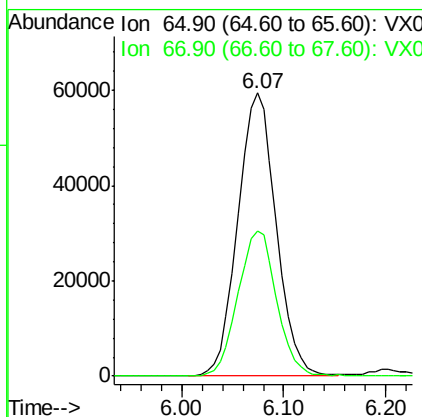
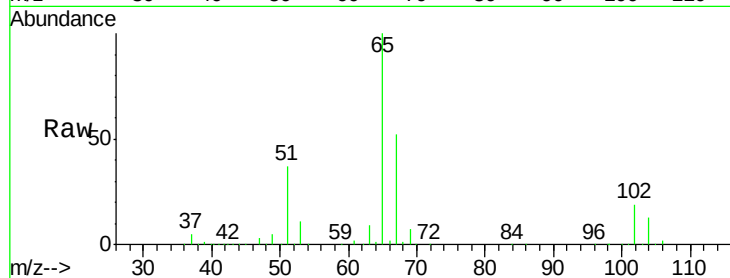




#33
 1,2-Dichloroethane-d4
 Concen: 43.53 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

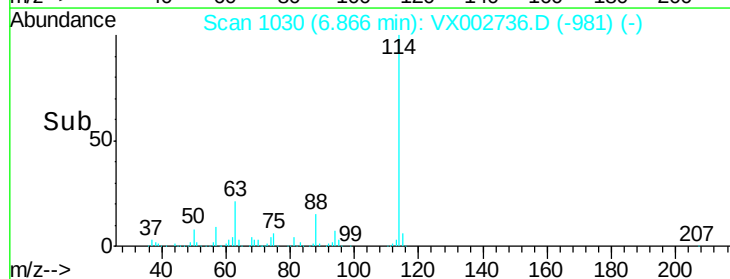
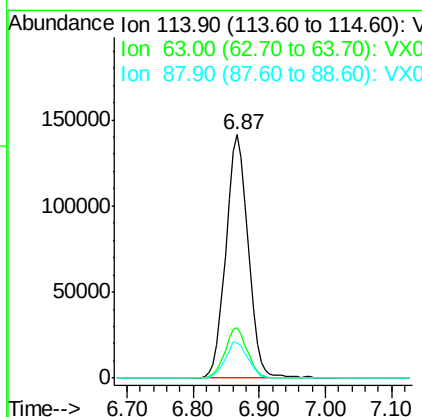
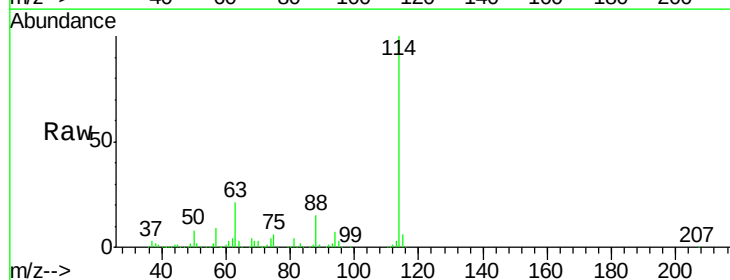
Instrument :
 MSVOA_X
 ClientSampleId :

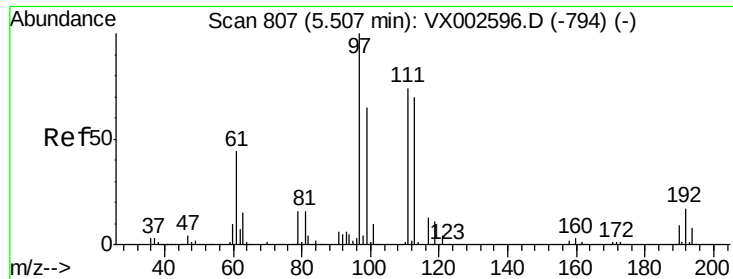
Tot Ion: 65 Resp: 154857
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

Tgt Ion: 114 Resp: 330761
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 14.5 0.0 30.0

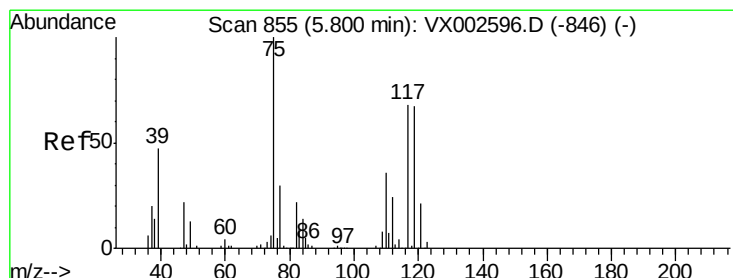
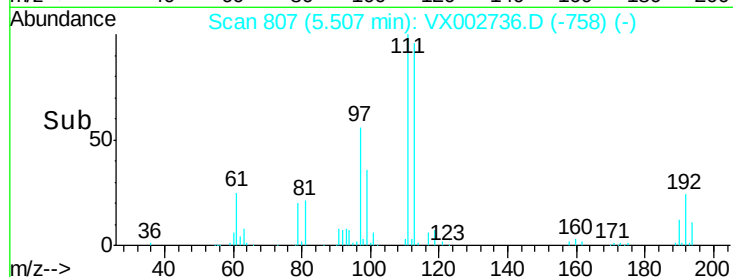
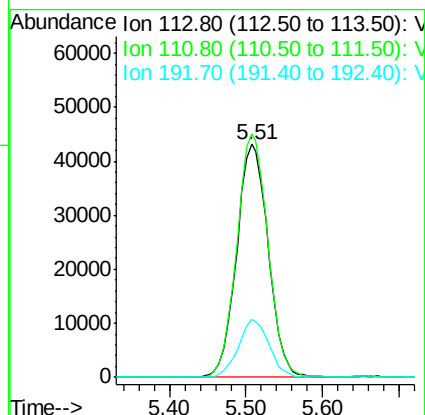
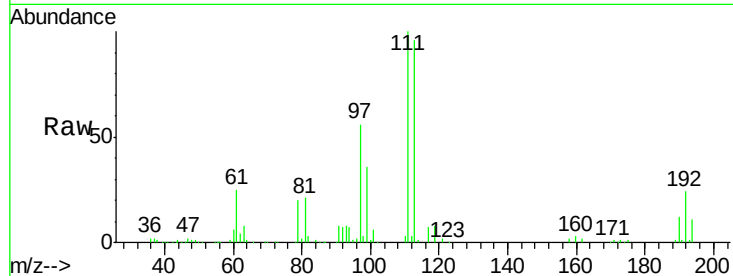




#35
 Dibromofluoromethane
 Concen: 46.62 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

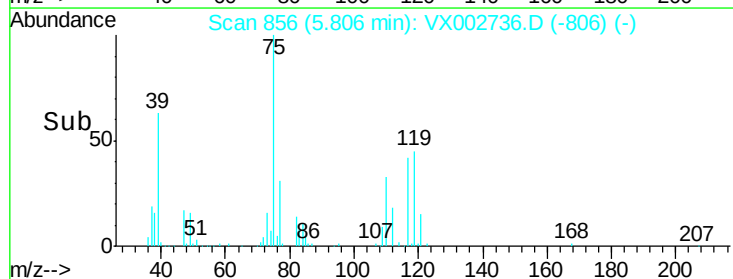
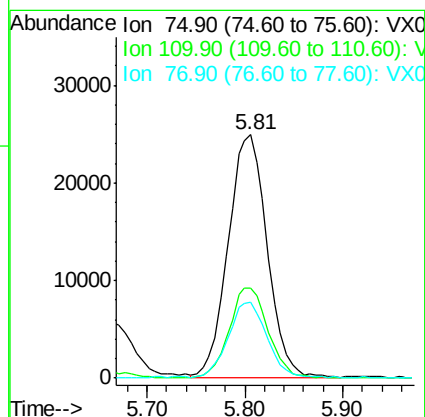
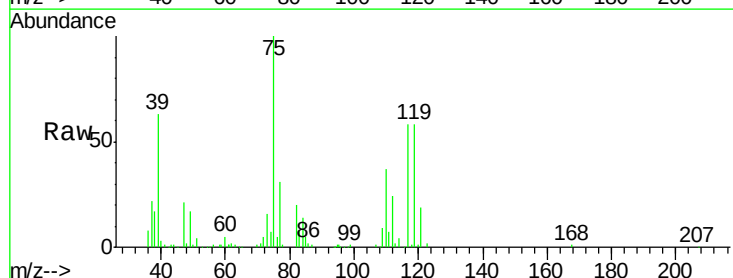
Instrument :
 MSVOA_X
 ClientSampleId :

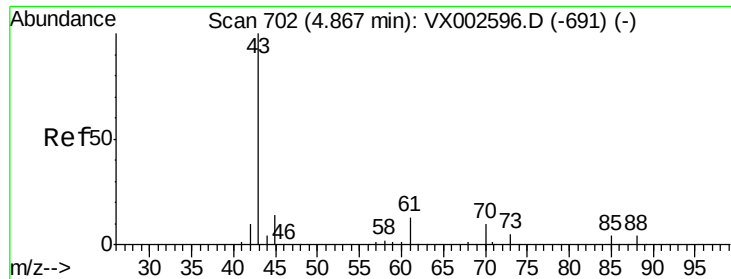
Tot Ion:113 Resp: 123072
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.4 122.0
 192 24.3 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 19.47 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

Tgt Ion: 75 Resp: 68408
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.1 54.4
 77 30.9 24.3 36.5

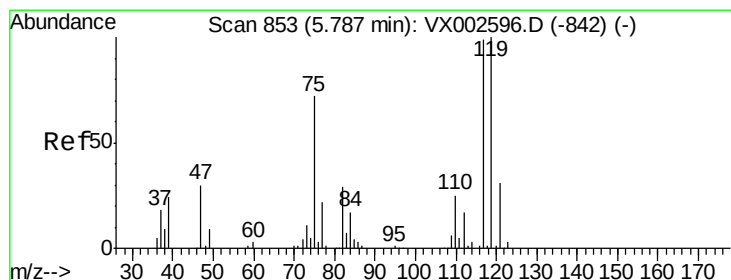
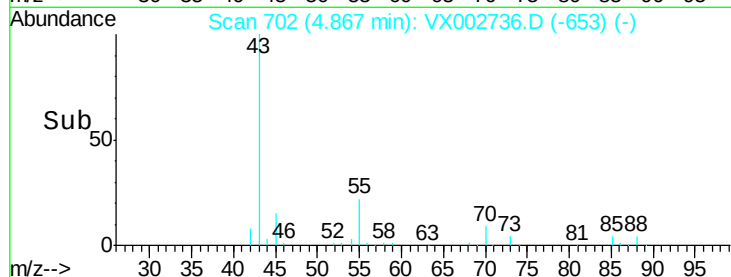
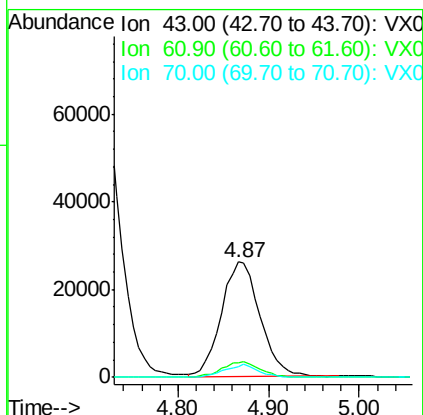
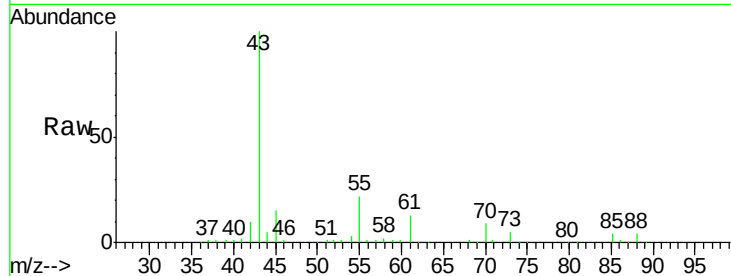




#37
Ethyl Acetate
Concen: 19.35 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

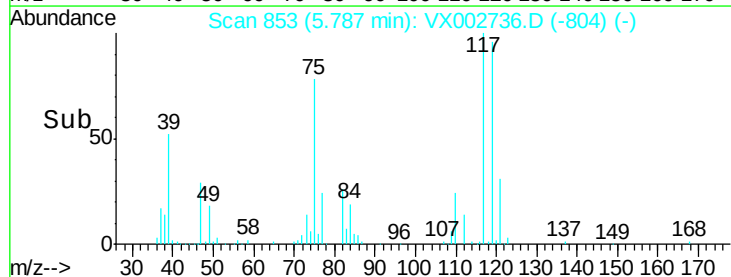
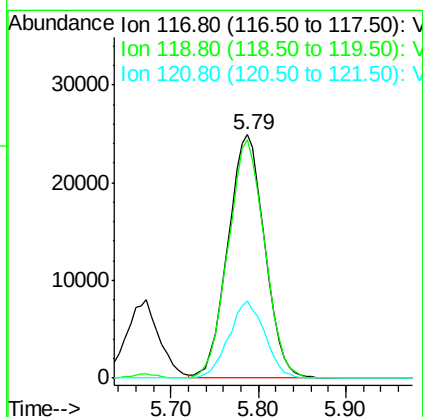
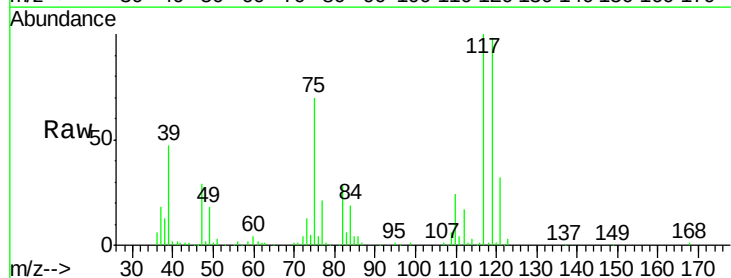
Instrument :
MSVOA_X
ClientSampleId :

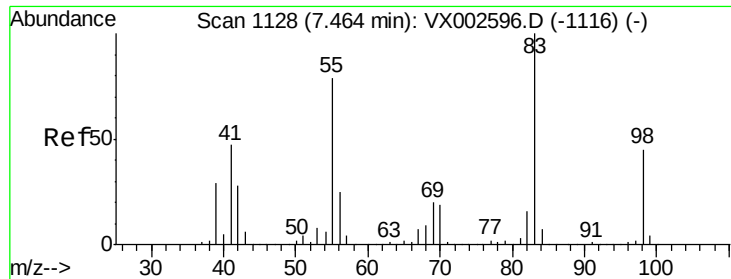
Tot Ion: 43 Resp: 76935
Ion Ratio Lower Upper
43 100
61 13.1 10.4 15.6
70 10.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 20.80 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion: 117 Resp: 72768
Ion Ratio Lower Upper
117 100
119 97.7 77.4 116.0
121 31.8 24.4 36.6

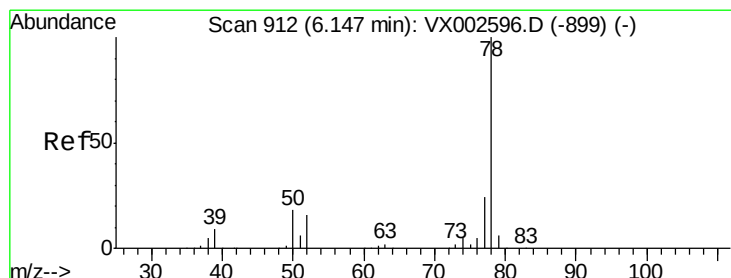
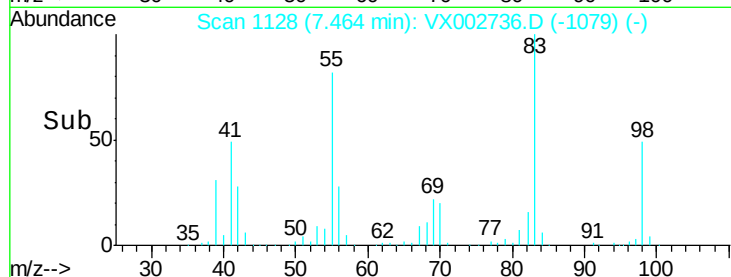
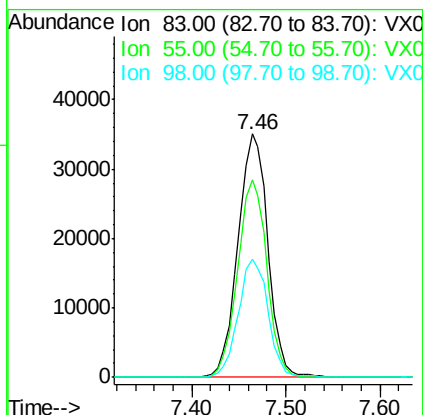
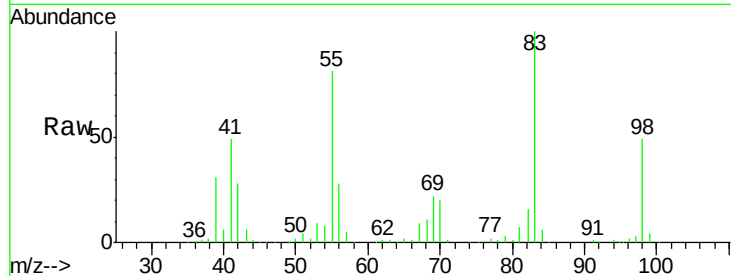




#39
Methylvlcyclohexane
Concen: 18.94 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

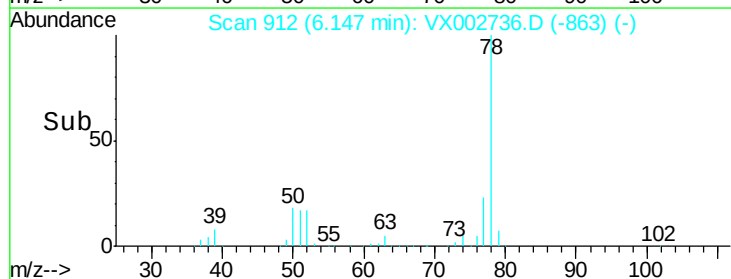
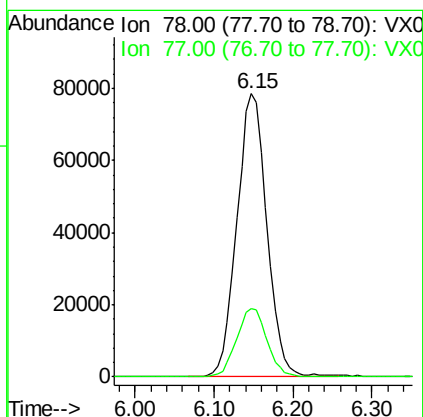
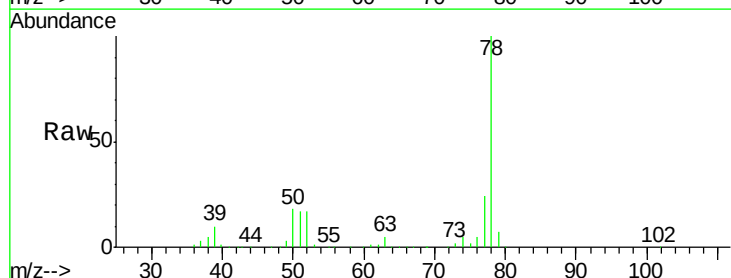
Instrument :
MSVOA_X
ClientSampled :

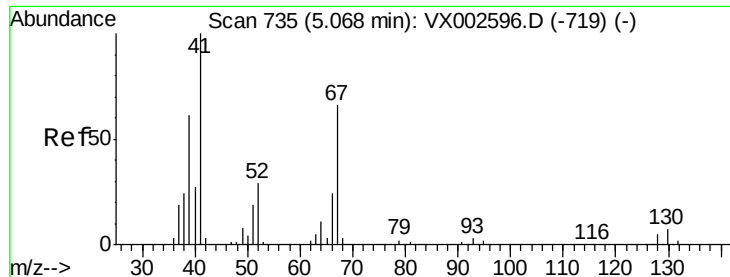
Tot Ion: 83 Resp: 77799
Ion Ratio Lower Upper
83 100
55 81.3 65.4 98.0
98 48.6 37.4 56.0



#40
Benzene
Concen: 19.76 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion: 78 Resp: 208141
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7





#41

Methacrylonitrile

Concen: 19.38 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

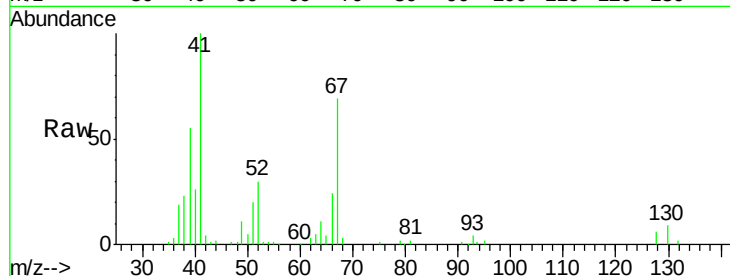
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 43515

Ion	Ratio	Lower	Upper
41	100		
39	58.4	45.8	68.6
67	67.8	51.3	76.9
52	30.9	23.0	34.6

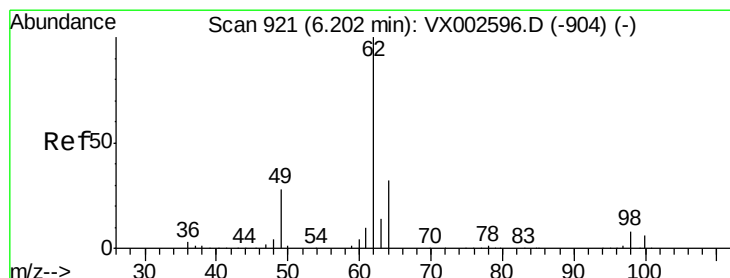
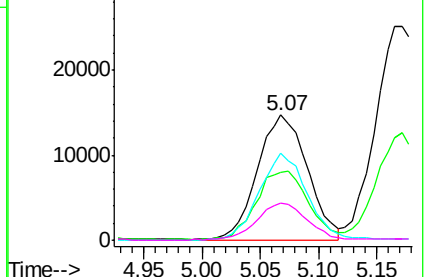
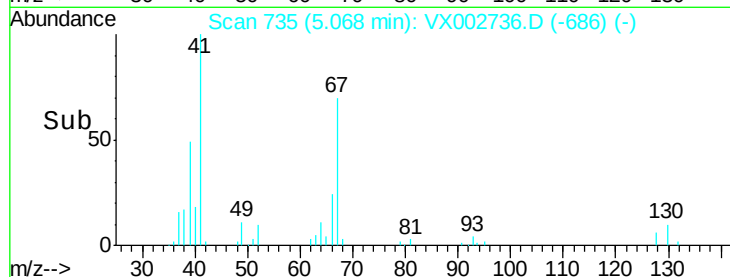


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.17 ug/l

RT: 6.20 min Scan# 921

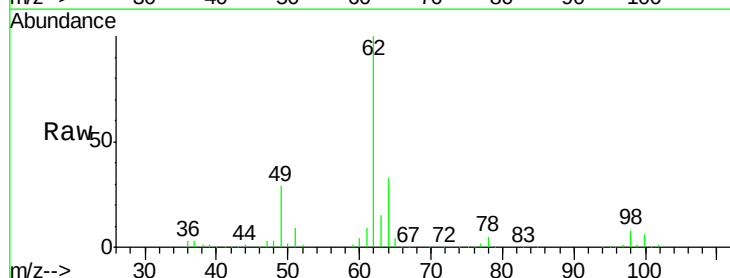
Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

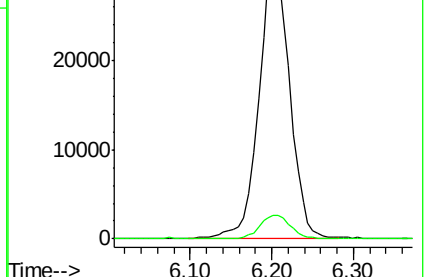
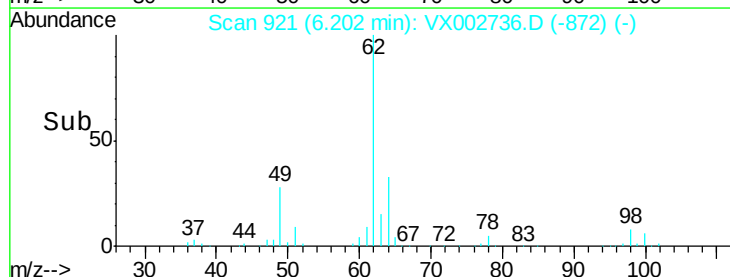
Tgt Ion: 62 Resp: 82241

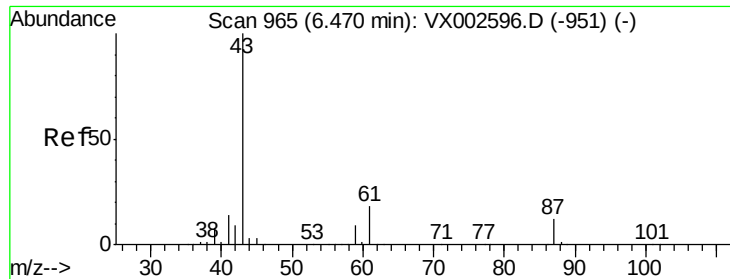
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.84 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

ClientSampleId :

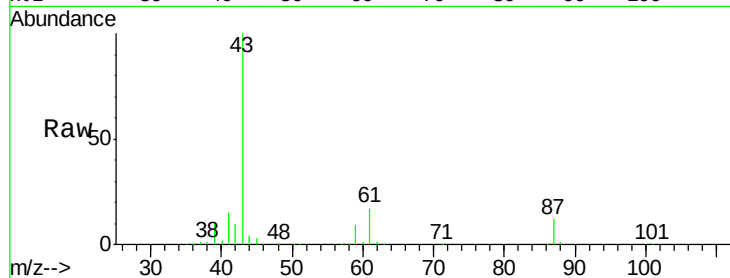
Tot Ion: 43 Resp: 124110

Ion Ratio Lower Upper

43 100

61 18.3 14.4 21.6

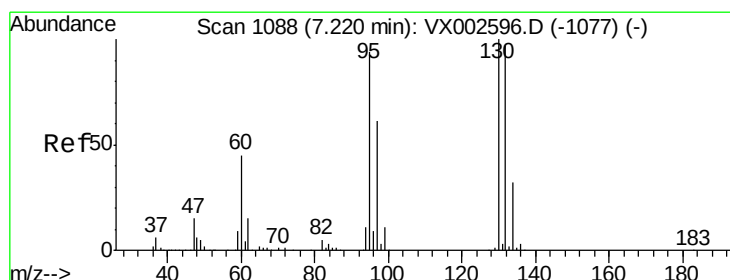
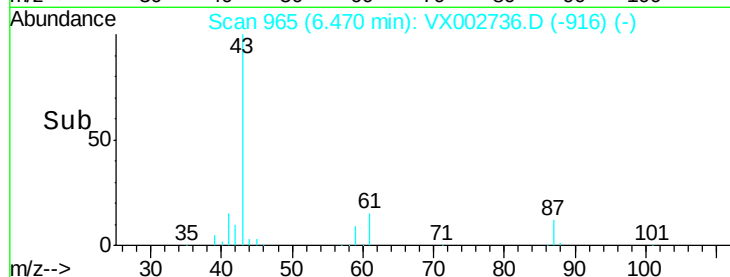
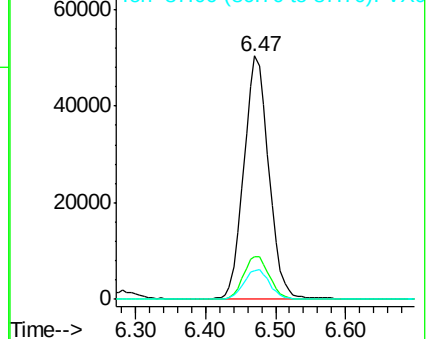
87 12.7 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.65 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX002736.D

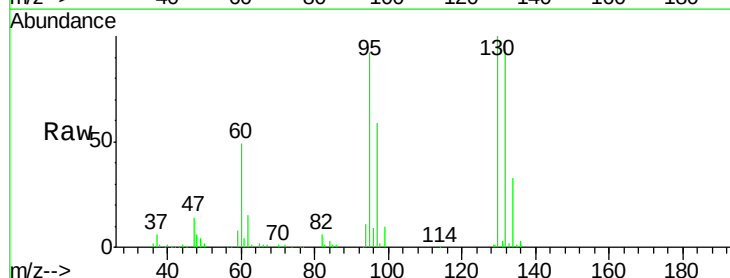
Acq: 20 Jun 2018 02:29

Tgt Ion:130 Resp: 59743

Ion Ratio Lower Upper

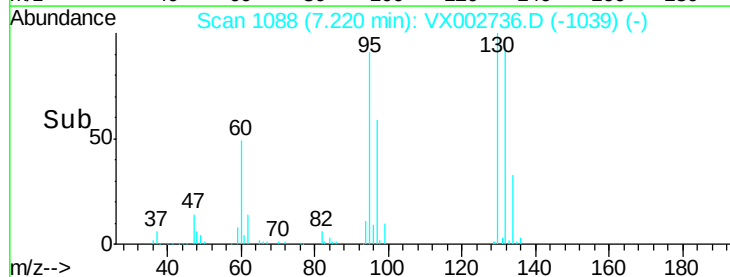
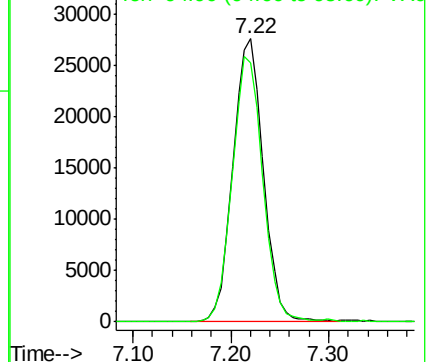
130 100

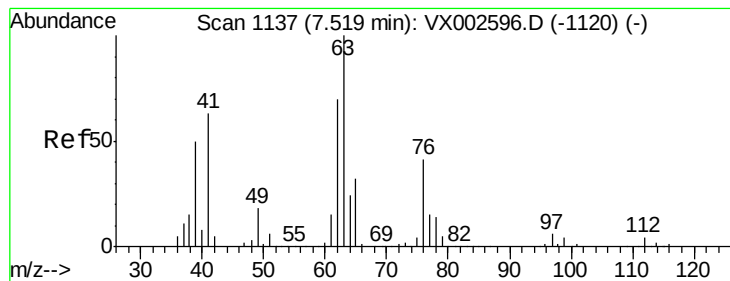
95 91.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.85 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

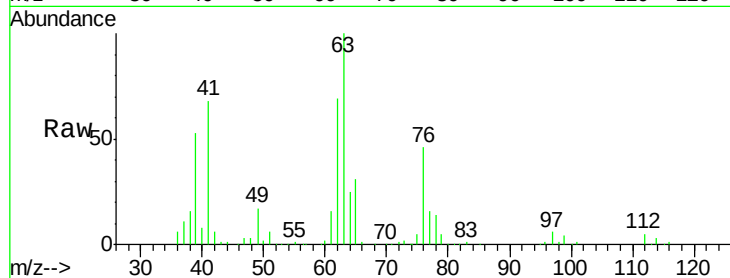
ClientSampled :

Tot Ion: 63 Resp: 55025

Ion Ratio Lower Upper

63 100

65 30.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

25000

20000

15000

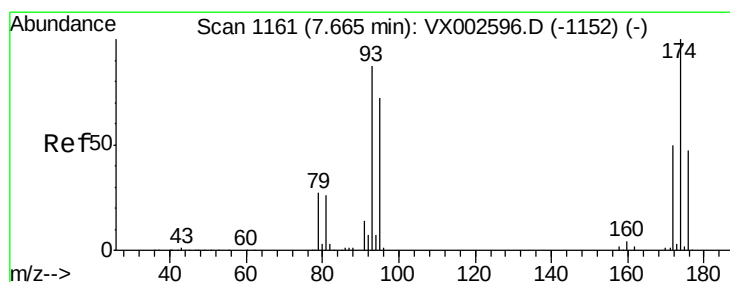
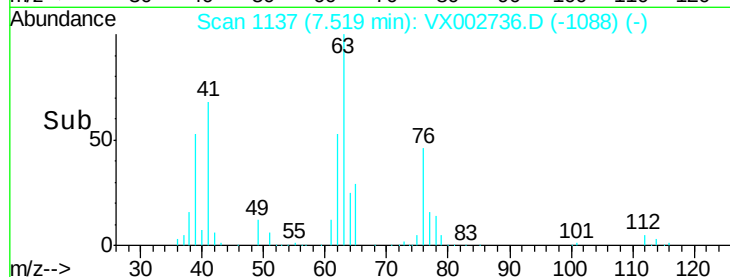
10000

5000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 20.38 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

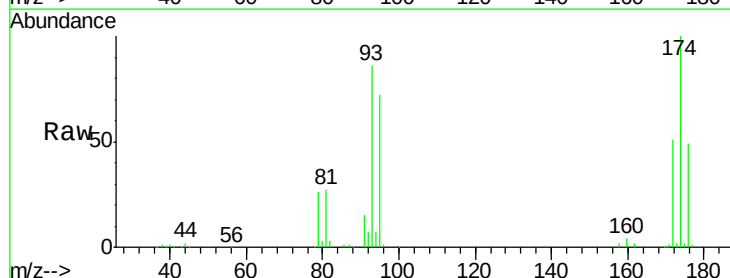
Tgt Ion: 93 Resp: 37798

Ion Ratio Lower Upper

93 100

95 83.2 65.9 98.9

174 117.4 92.4 138.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

30000

25000

20000

15000

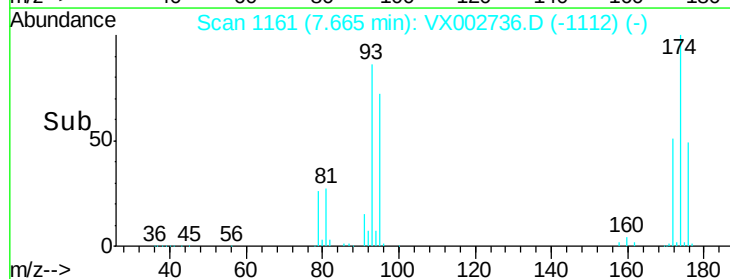
10000

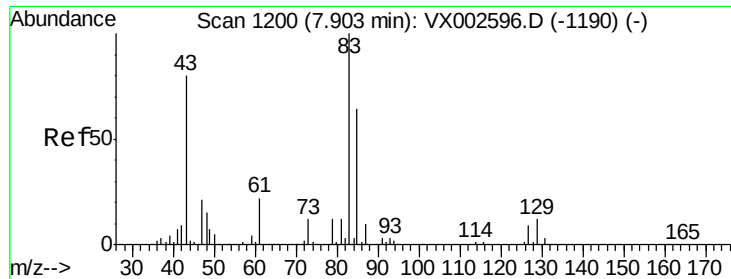
5000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 20.34 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :
MSVOA_X
ClientSampleId :

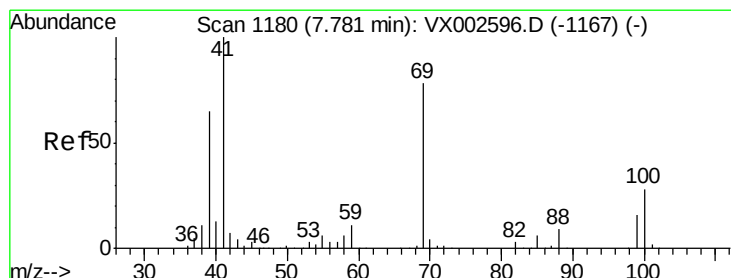
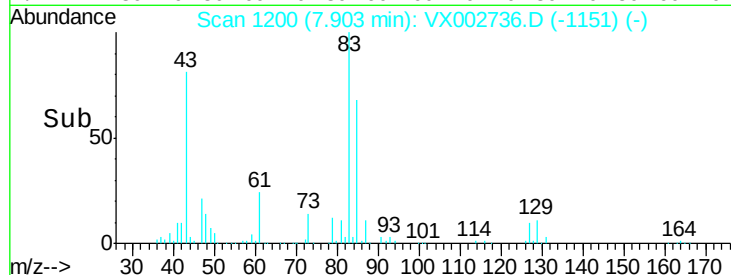
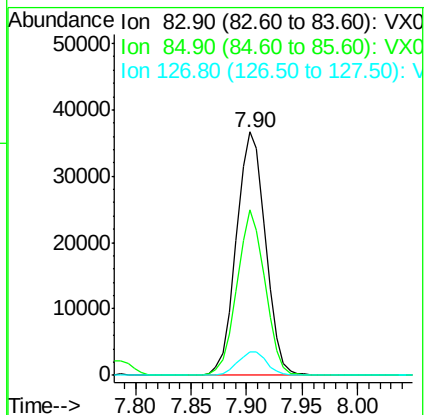
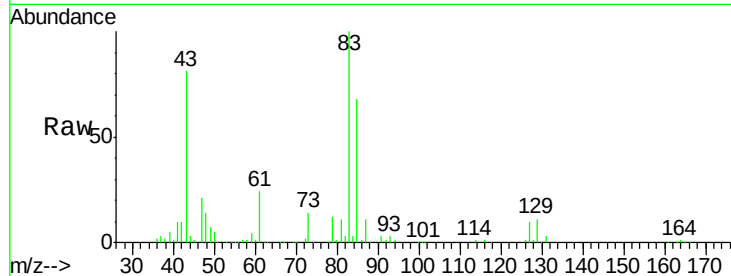
Tot Ion: 83 Resp: 66529

Ion Ratio Lower Upper

83 100

85 68.0 50.3 75.5

127 9.6 7.0 10.4



#48

Methyl methacrylate

Concen: 18.88 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

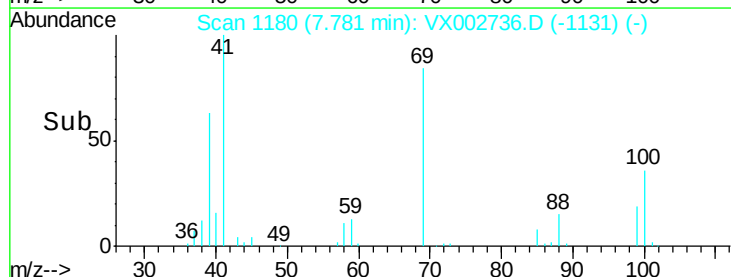
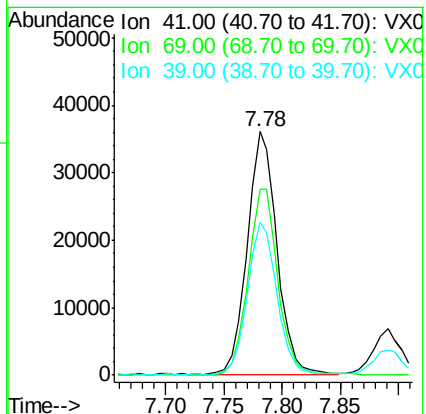
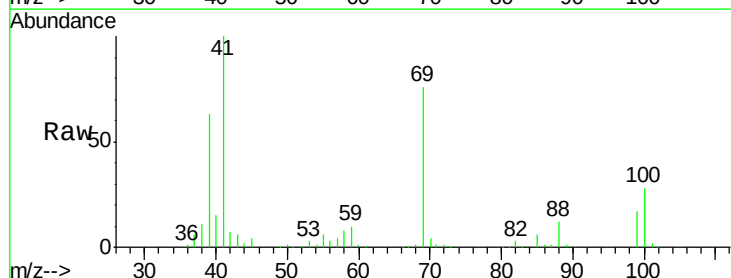
Tgt Ion: 41 Resp: 63542

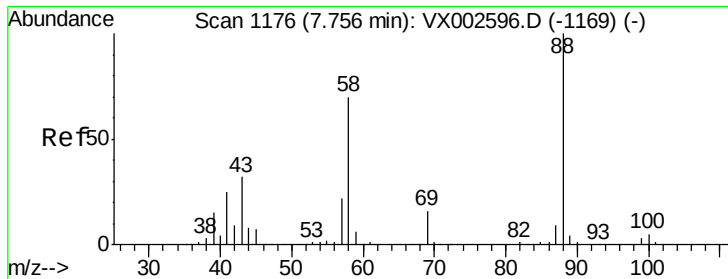
Ion Ratio Lower Upper

41 100

69 76.9 59.1 88.7

39 62.9 48.9 73.3

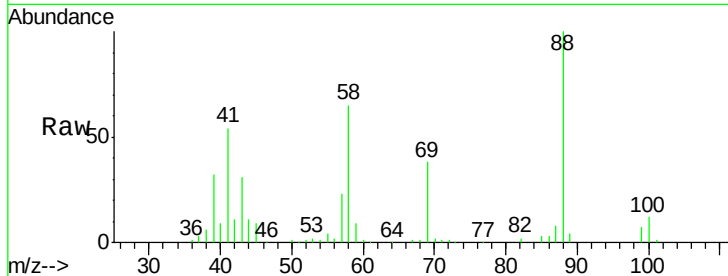




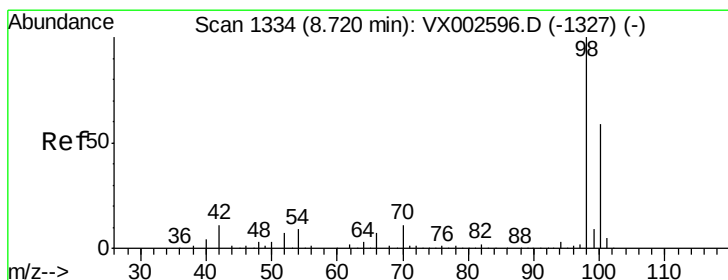
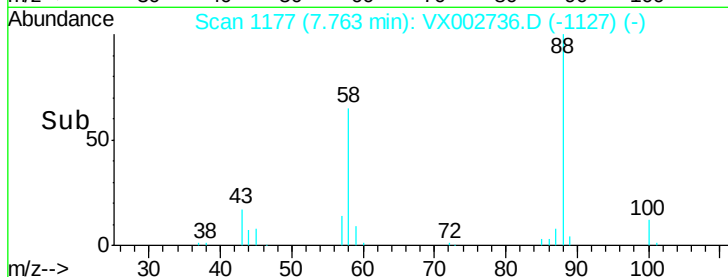
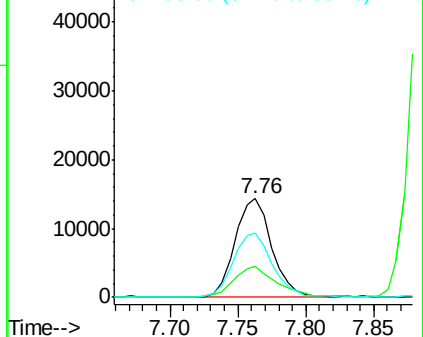
#49
1,4-Dioxane
Concen: 422.82 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 26955
Ion Ratio Lower Upper
88 100
43 38.5 29.8 44.6
58 70.4 57.1 85.7

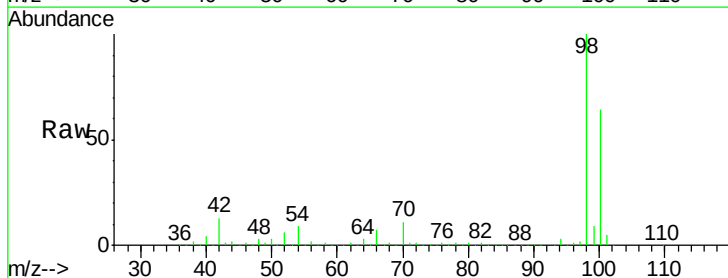


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

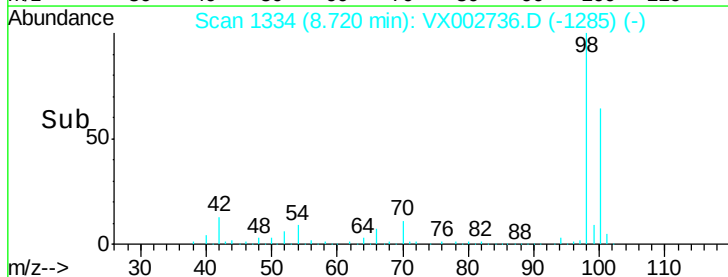
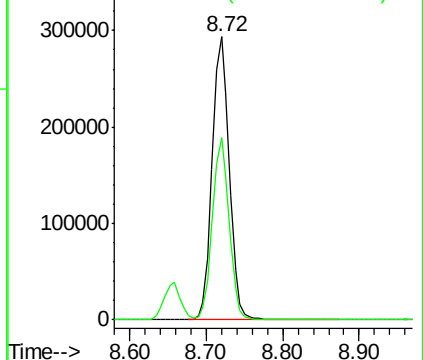


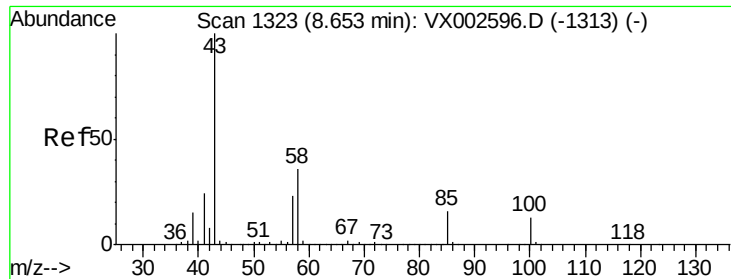
#50
Toluene-d8
Concen: 45.40 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion: 98 Resp: 455005
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



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





#51

4-Methyl-2-Pentanone

Concen: 98.84 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

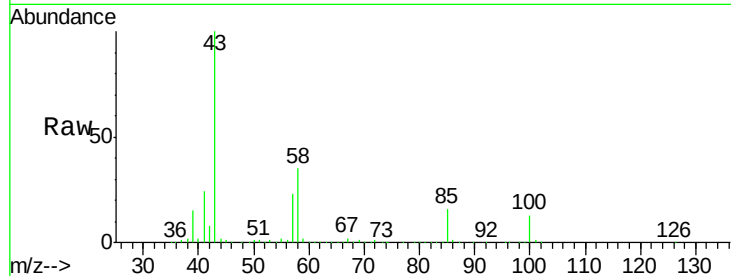
ClientSampleId :

Tot Ion: 43 Resp: 418061

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

250000

200000

150000

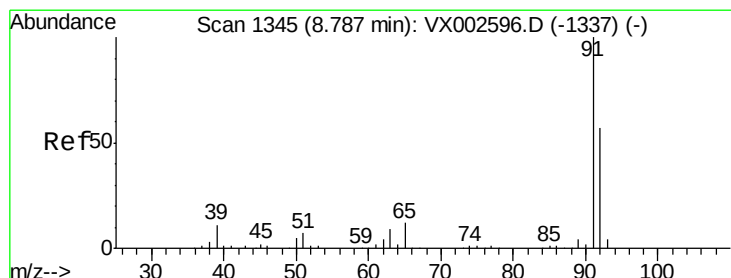
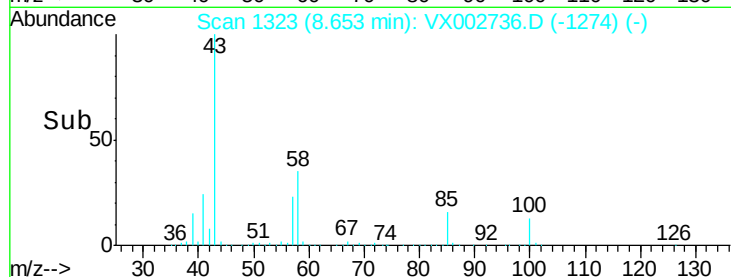
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 19.85 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002736.D

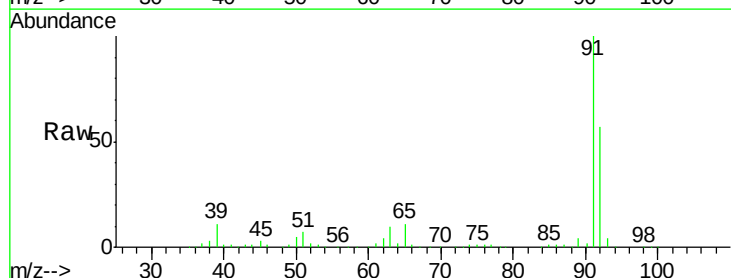
Acq: 20 Jun 2018 02:29

Tgt Ion: 92 Resp: 133369

Ion Ratio Lower Upper

92 100

91 175.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

150000

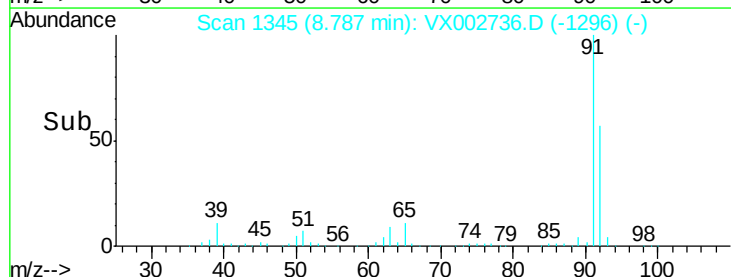
100000

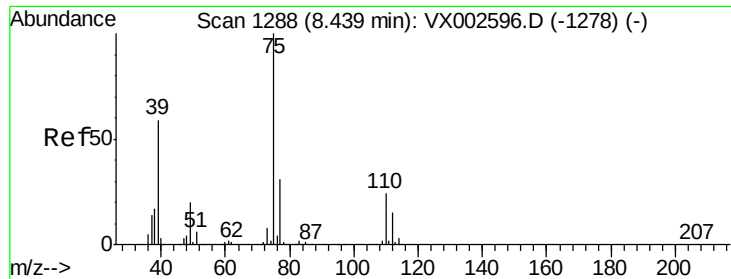
50000

0

8.70 8.80 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.18 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

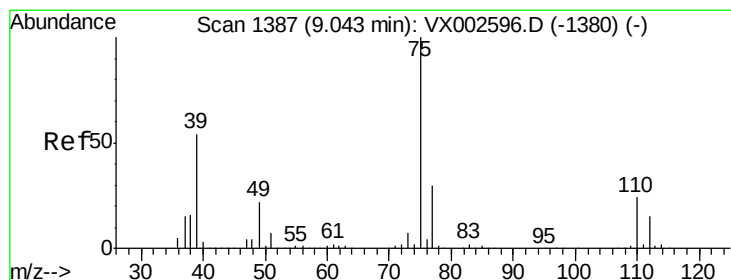
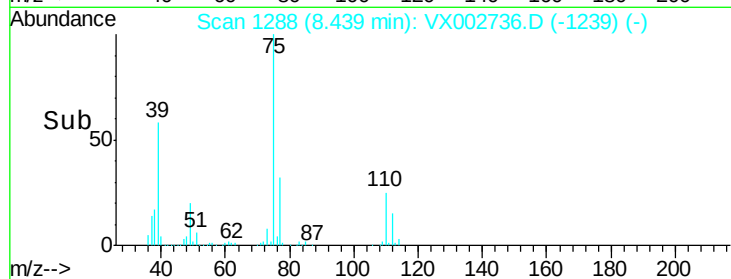
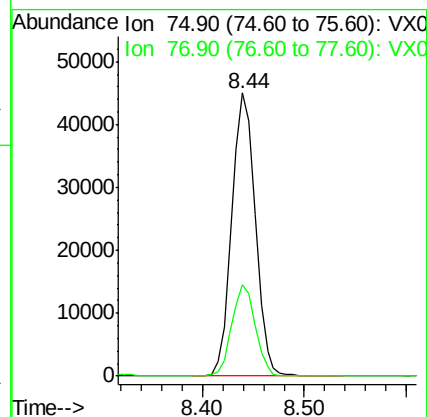
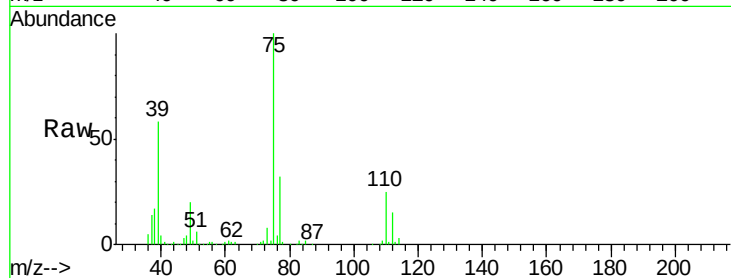
ClientSampled :

Tot Ion: 75 Resp: 71762

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 17.89 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

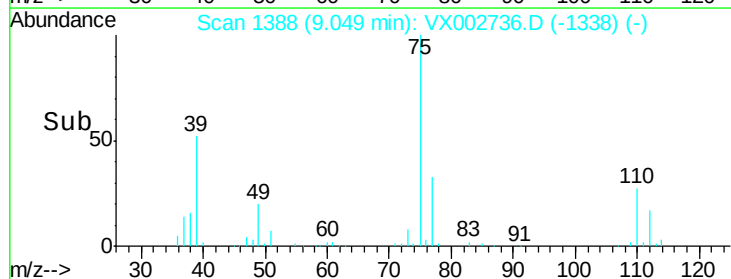
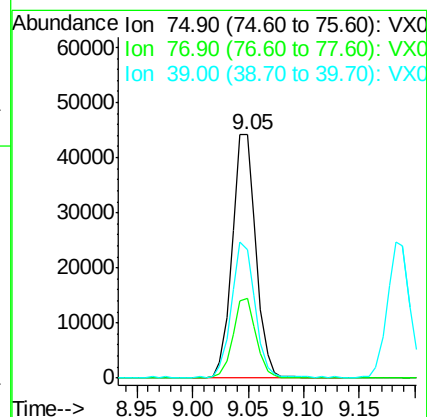
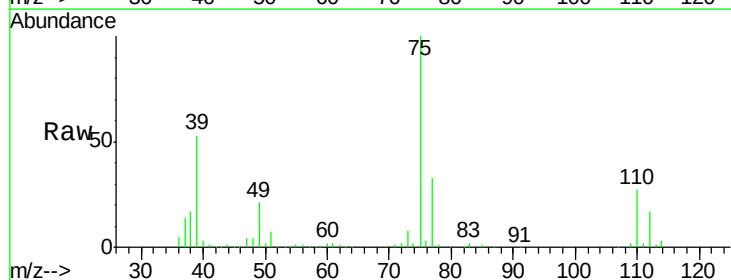
Tgt Ion: 75 Resp: 64793

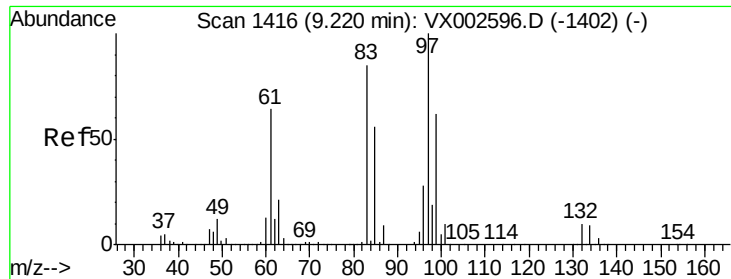
Ion Ratio Lower Upper

75 100

77 32.7 24.8 37.2

39 52.7 42.4 63.6

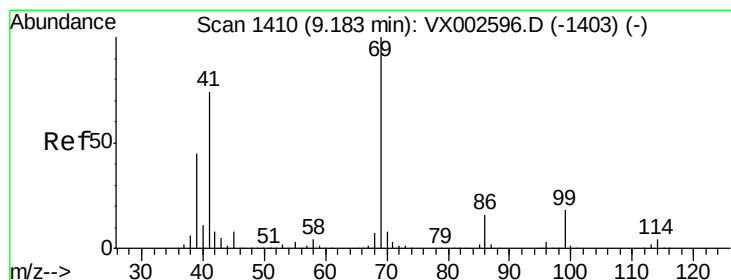
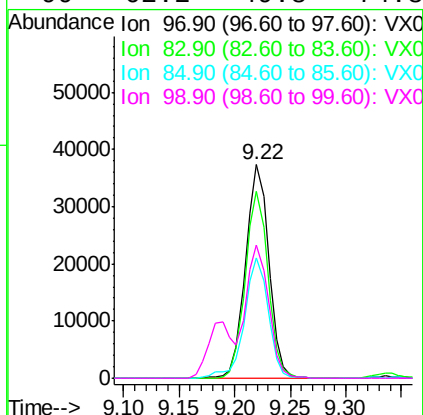
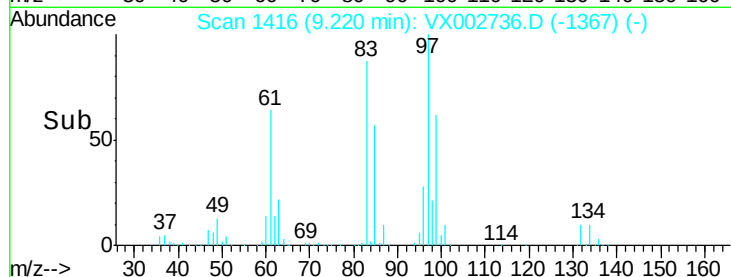
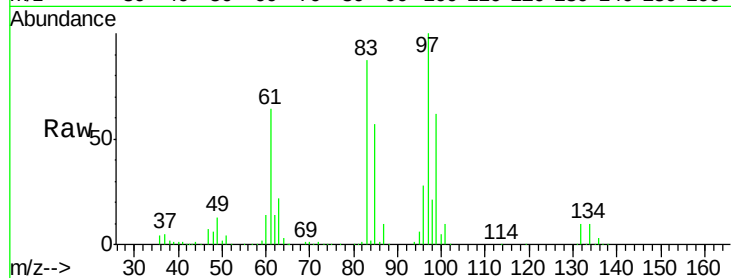




#55
 1,1,2-Trichloroethane
 Concen: 20.12 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

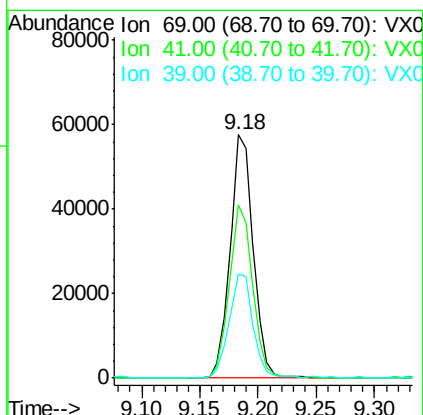
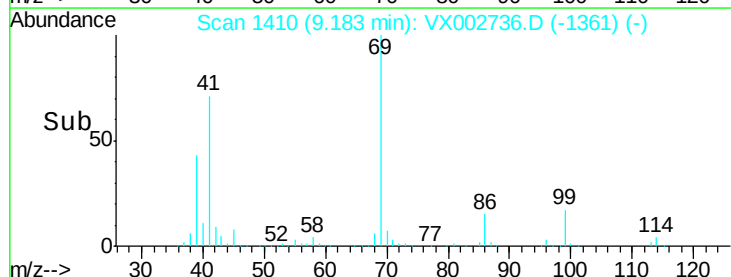
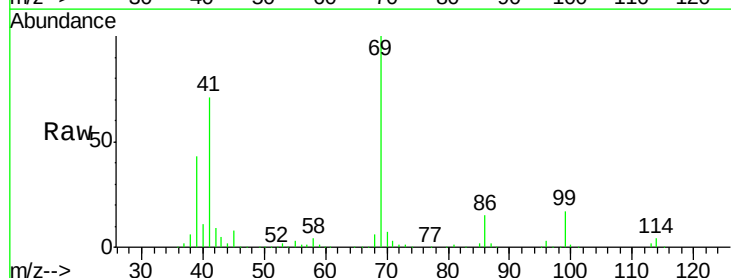
Instrument :
 MSVOA_X
 ClientSampled :

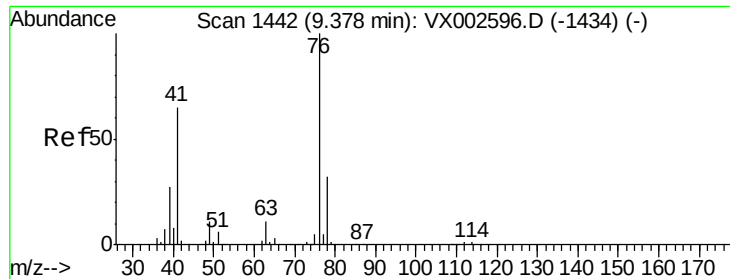
Tot Ion:	97	Resp:	54633
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.2	105.2
85	56.5	44.9	67.3
99	62.2	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 19.14 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

Tgt Ion:	69	Resp:	79988
Ion	Ratio	Lower	Upper
69	100		
41	71.8	60.3	90.5
39	43.9	35.8	53.8

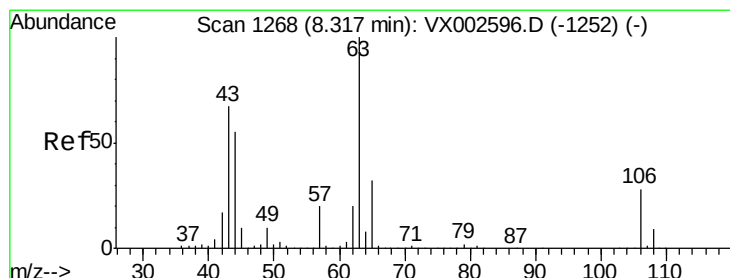
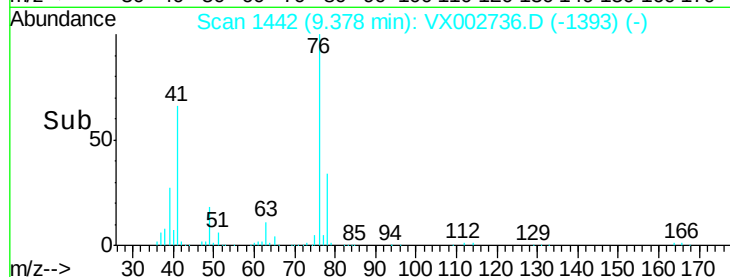
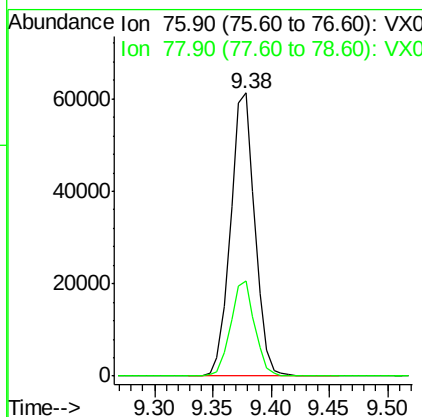
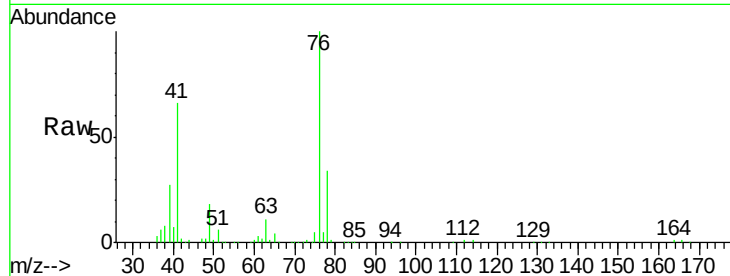




#57
 1,3-Dichloropropane
 Concen: 19.39 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

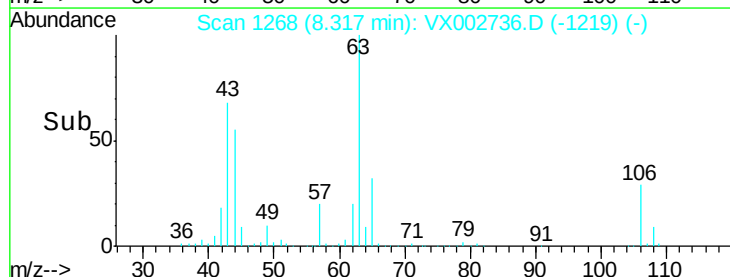
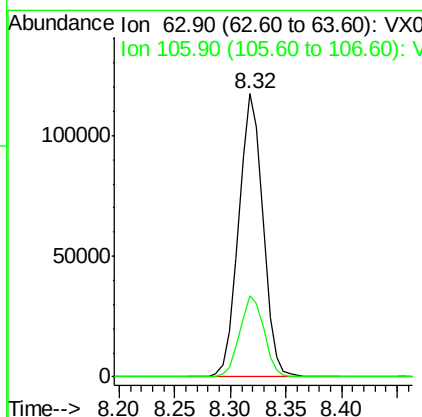
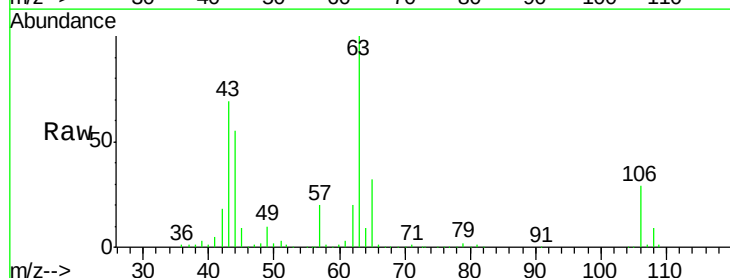
Instrument :
 MSVOA_X
 ClientSampled :

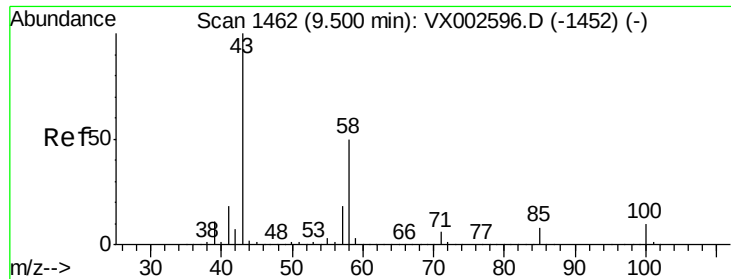
Tot Ion: 76 Resp: 89049
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.87 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

Tgt Ion: 63 Resp: 177584
 Ion Ratio Lower Upper
 63 100
 106 28.6 21.8 32.8

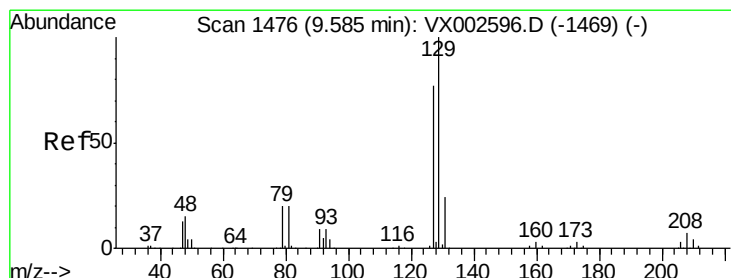
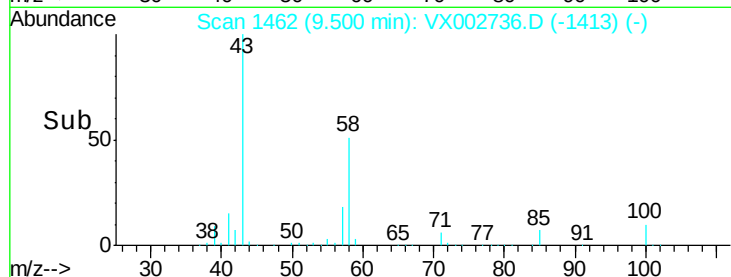
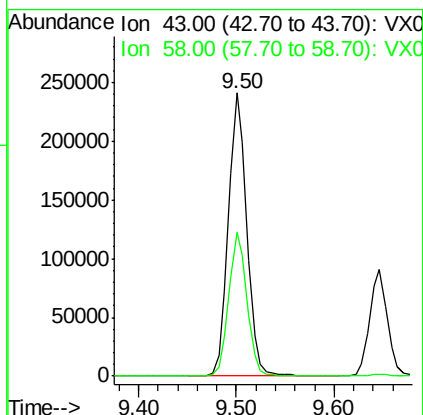
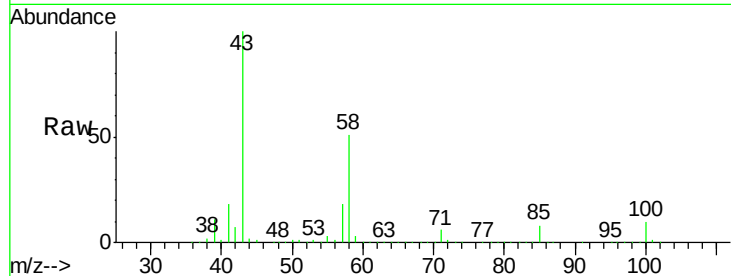




#59
2-Hexanone
Concen: 98.85 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

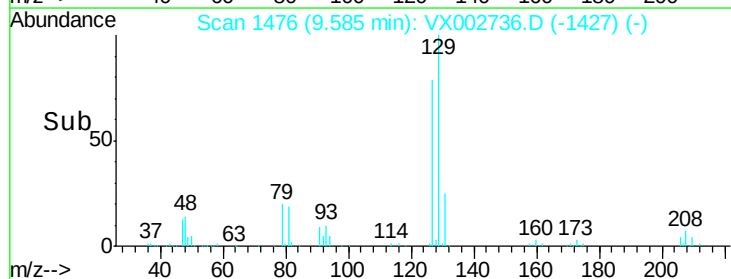
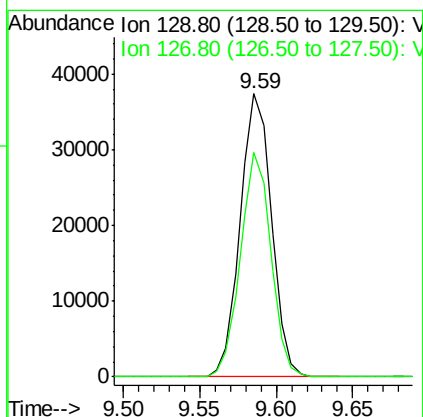
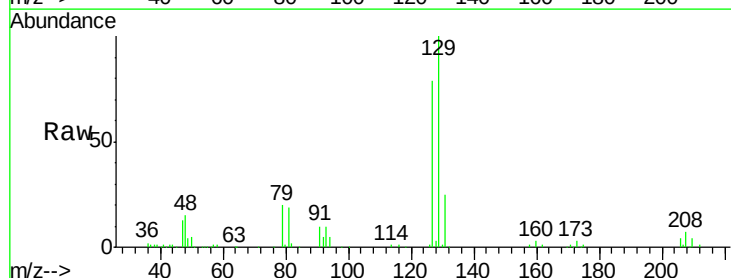
Instrument :
MSVOA_X
ClientSampleId :

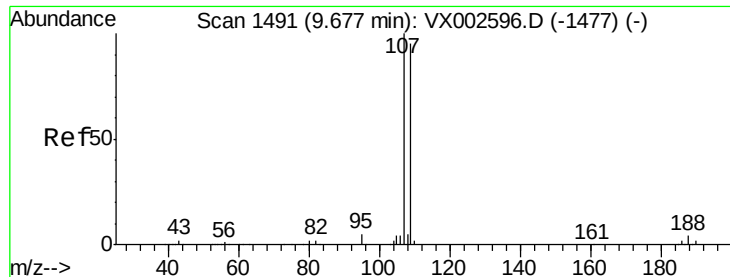
Tot Ion: 43 Resp: 315057
Ion Ratio Lower Upper
43 100
58 50.2 24.6 73.6



#60
Dibromochloromethane
Concen: 19.89 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion: 129 Resp: 53280
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.34 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

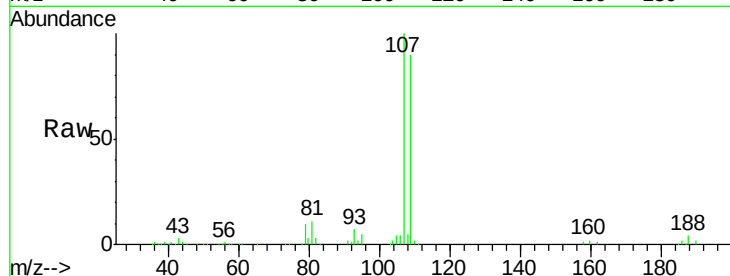
ClientSampleId :

Tot Ion:107 Resp: 57180

Ion Ratio Lower Upper

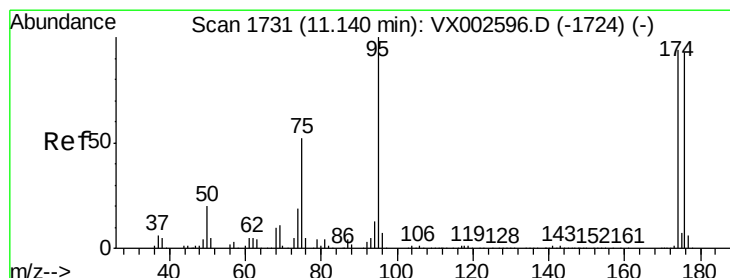
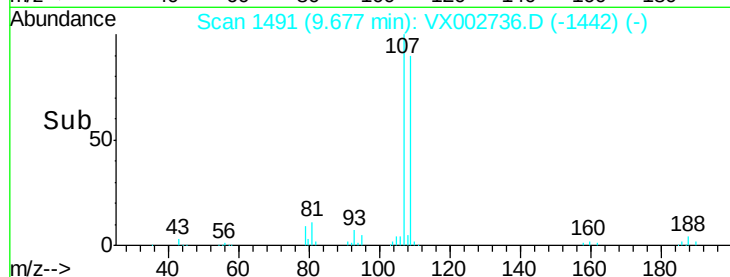
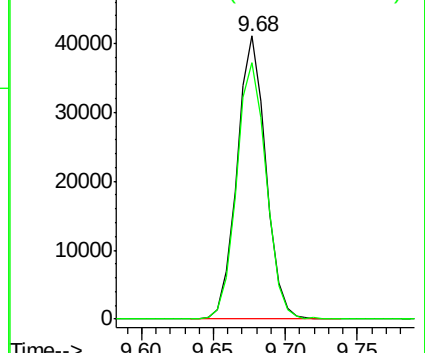
107 100

109 93.7 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: 44.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

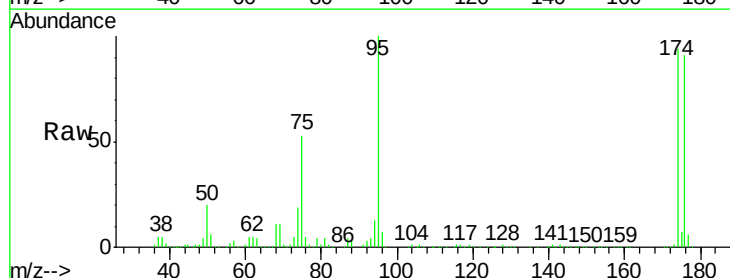
Tgt Ion: 95 Resp: 168369

Ion Ratio Lower Upper

95 100

174 96.8 0.0 187.4

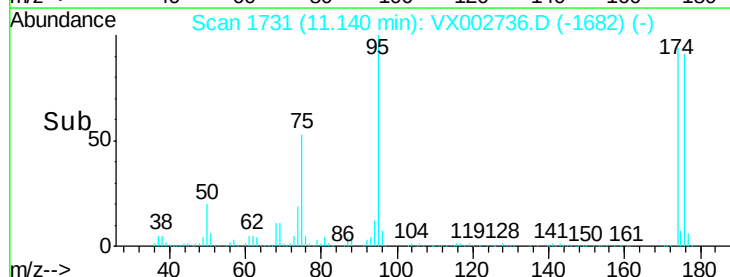
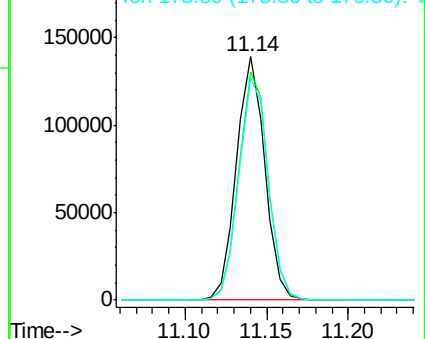
176 94.5 0.0 181.0

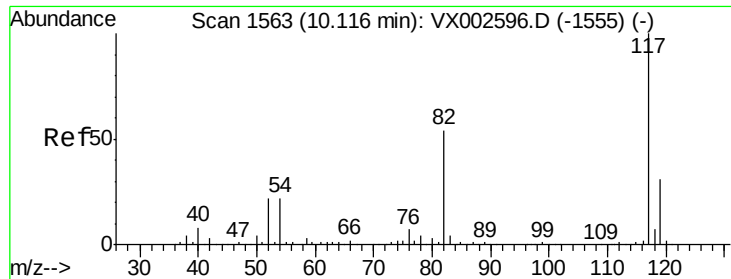


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

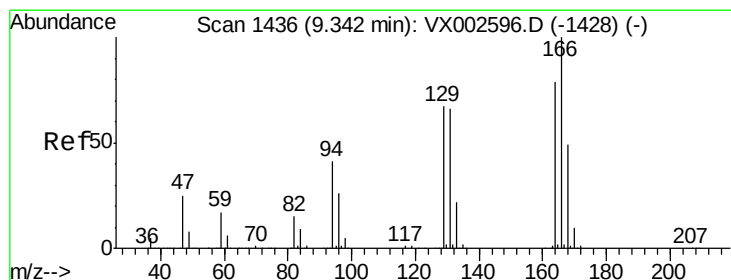
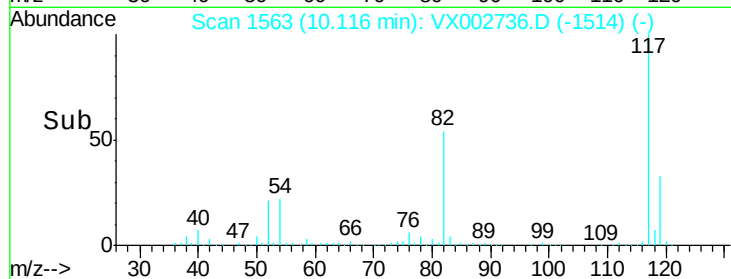
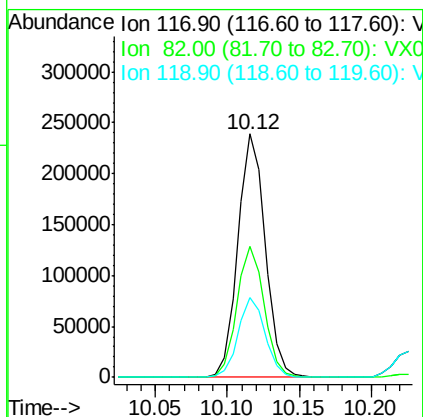
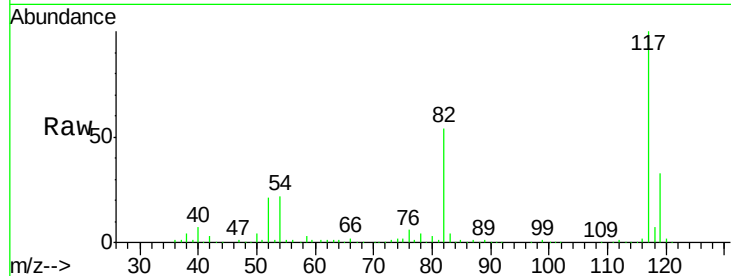




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

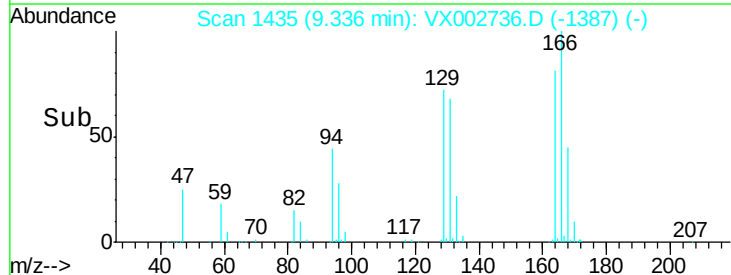
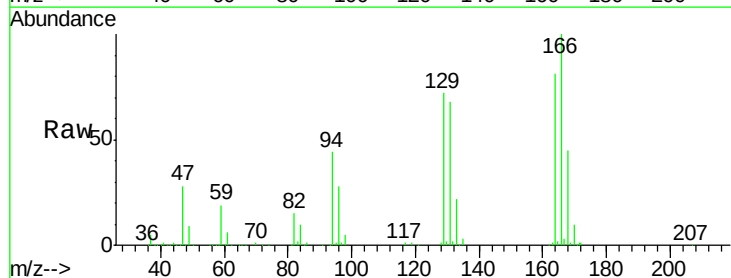
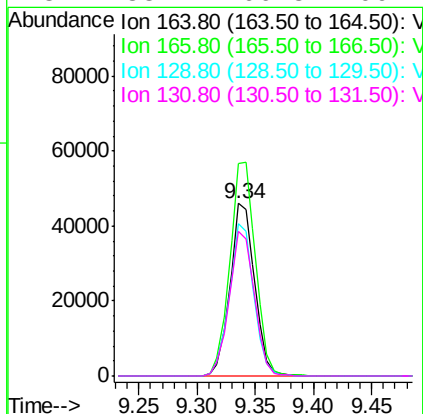
Instrument :
MSVOA_X
ClientSampleId :

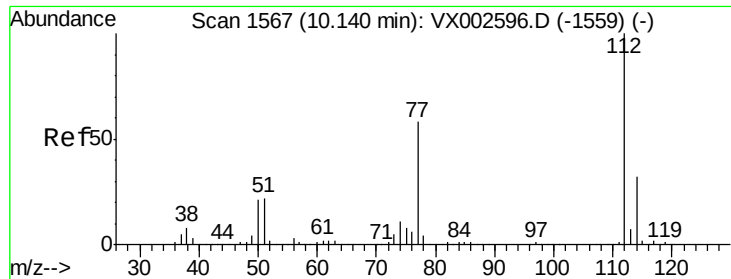
Tot Ion:117 Resp: 316438
Ion Ratio Lower Upper
117 100
82 53.6 45.0 67.4
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 19.20 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion:164 Resp: 67437
Ion Ratio Lower Upper
164 100
166 123.3 102.9 154.3
129 88.8 68.6 102.8
131 83.7 66.8 100.2

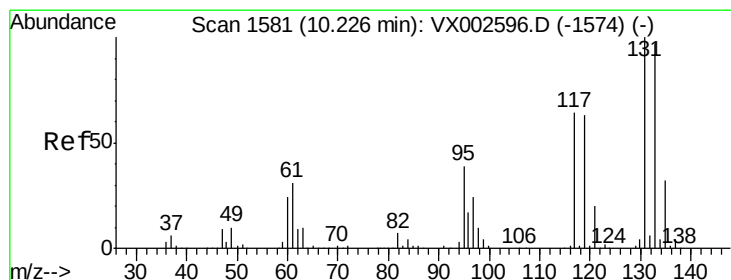
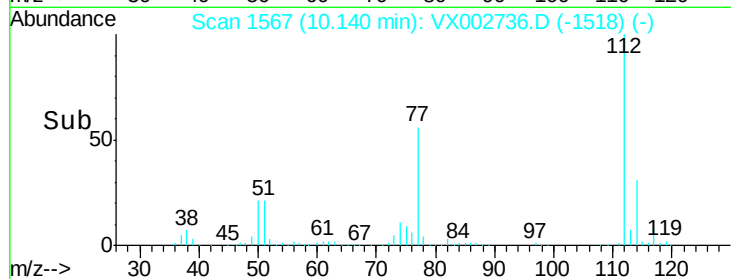
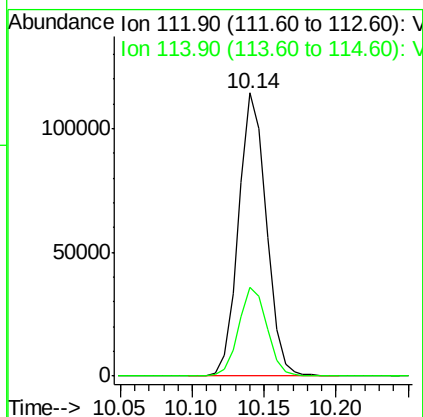
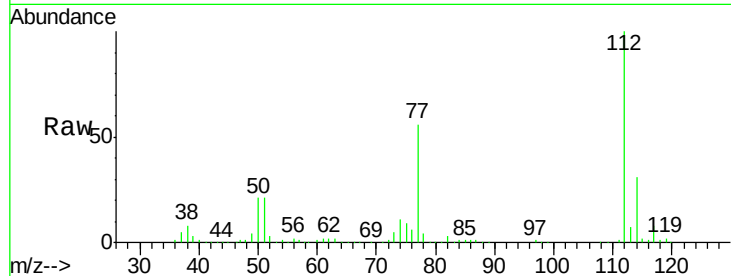




#65
Chlorobenzene
Concen: 19.75 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

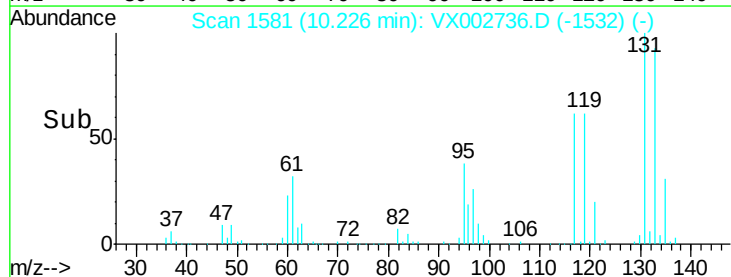
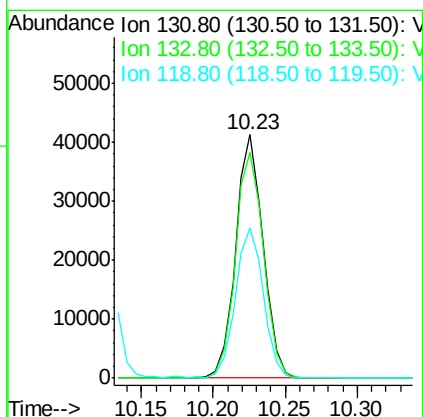
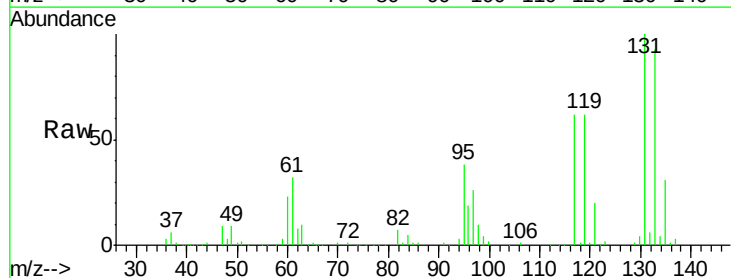
Instrument :
MSVOA_X
ClientSampleId :

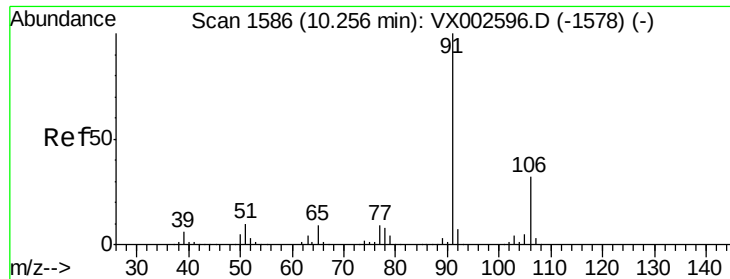
Tot Ion:112 Resp: 153505
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.56 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion:131 Resp: 54480
Ion Ratio Lower Upper
131 100
133 95.0 47.9 143.6
119 63.6 31.8 95.3

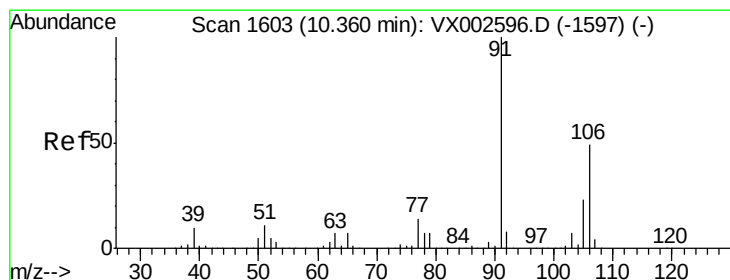
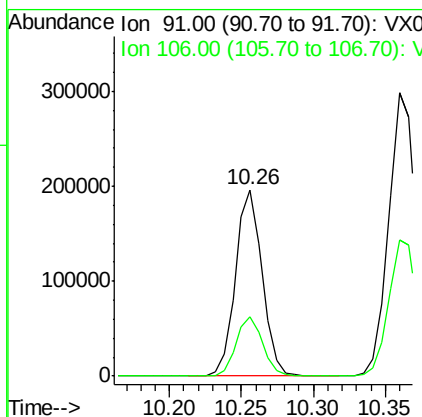
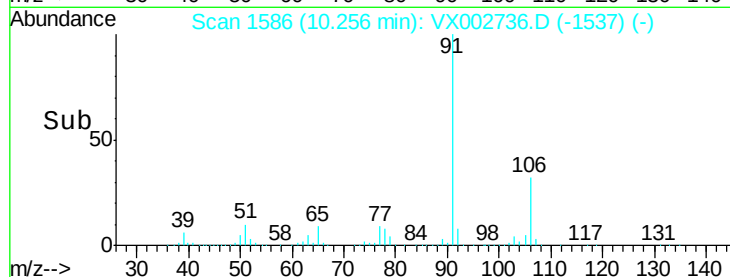
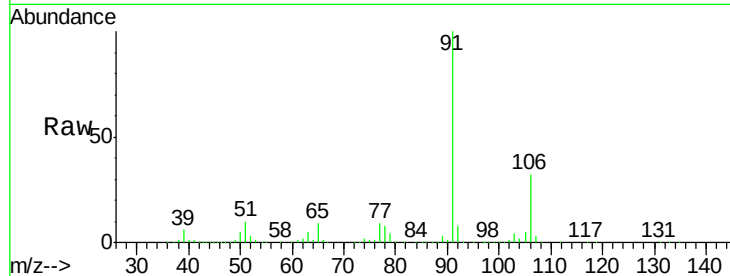




#67
Ethyl Benzene
Concen: 19.37 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

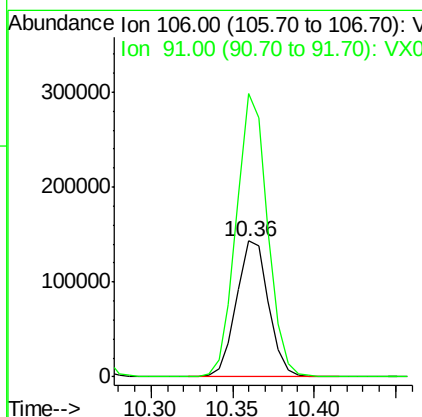
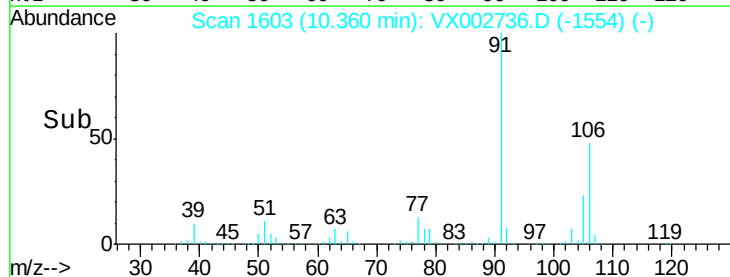
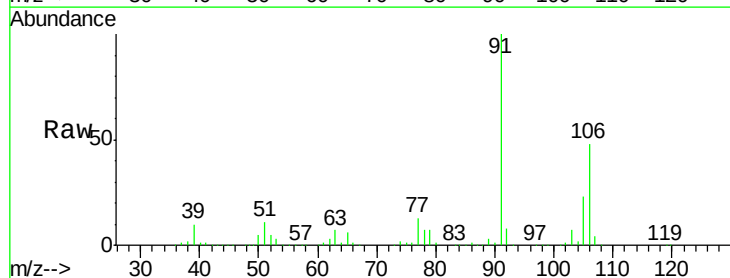
Instrument :
MSVOA_X
ClientSampleId :

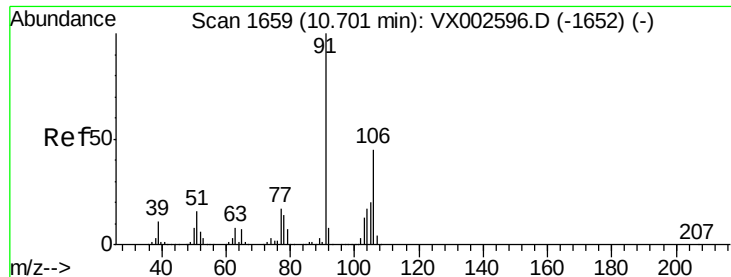
Tot Ion: 91 Resp: 253880
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 38.86 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion: 106 Resp: 196489
Ion Ratio Lower Upper
106 100
91 203.0 163.4 245.2

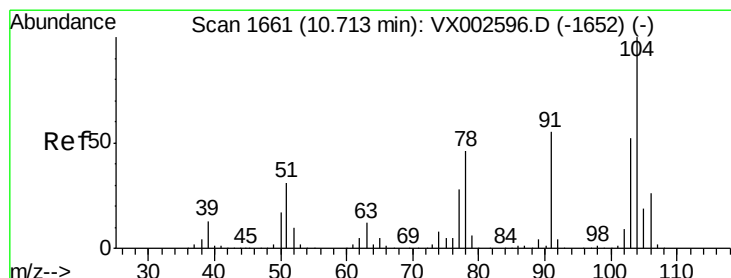
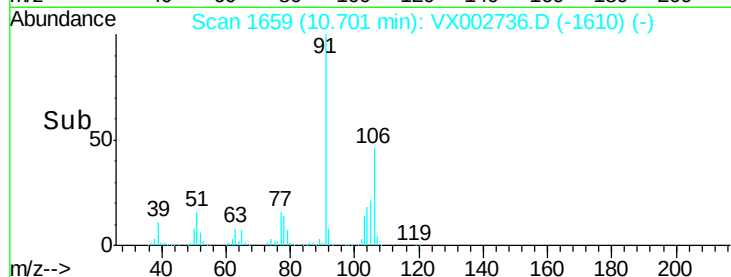
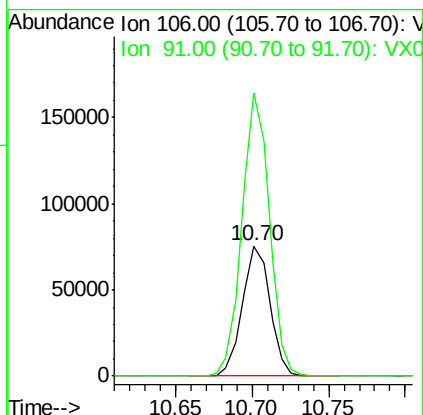
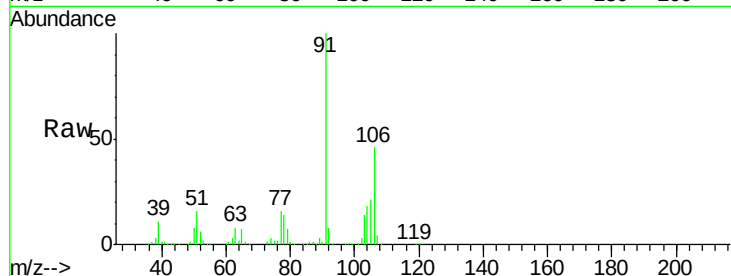




#69
o-Xylene
Concen: 19.20 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

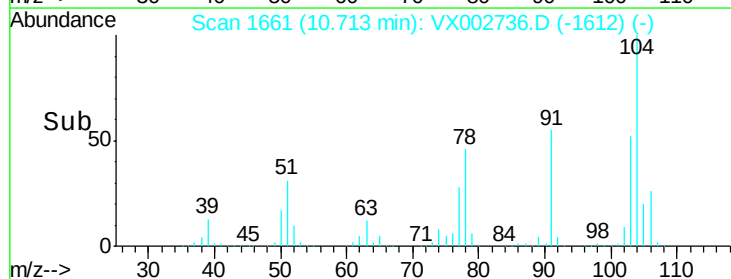
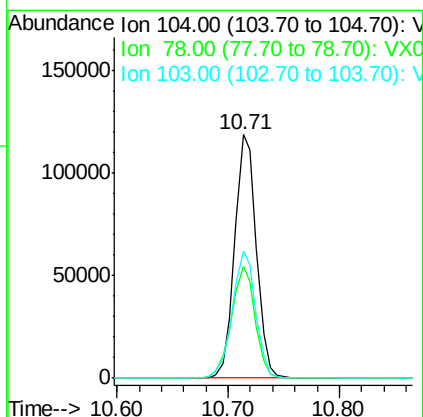
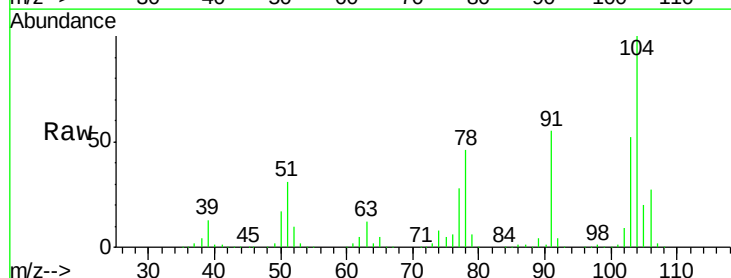
Instrument :
MSVOA_X
ClientSampleId :

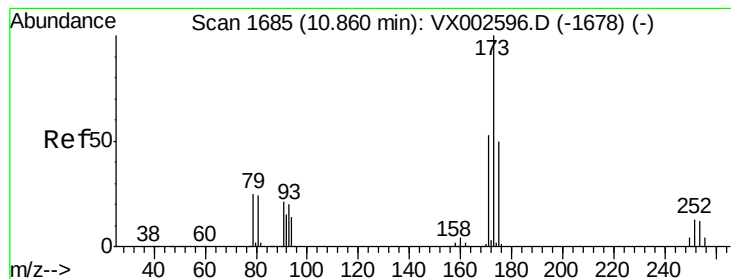
Tot Ion:106 Resp: 95403
Ion Ratio Lower Upper
106 100
91 214.4 108.2 324.6



#70
Styrene
Concen: 19.61 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion:104 Resp: 160173
Ion Ratio Lower Upper
104 100
78 50.1 41.0 61.6
103 55.9 44.2 66.4





#71

Bromoform

Concen: 20.00 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

ClientSampleId :

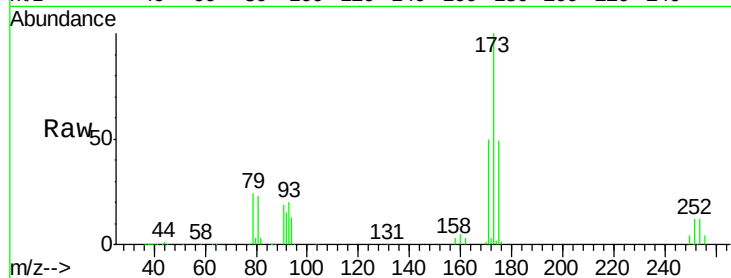
Tot Ion:173 Resp: 40480

Ion Ratio Lower Upper

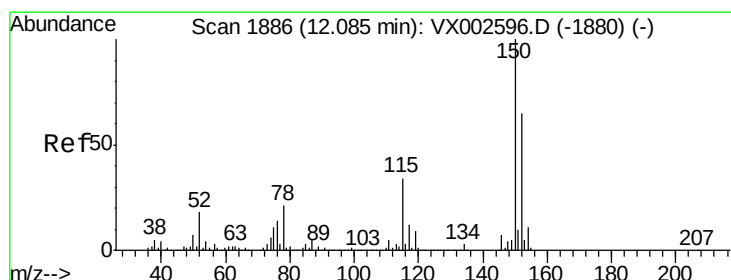
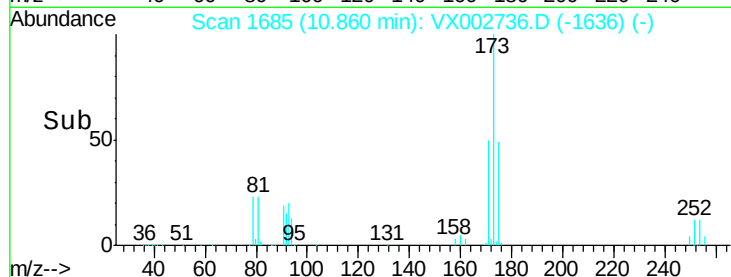
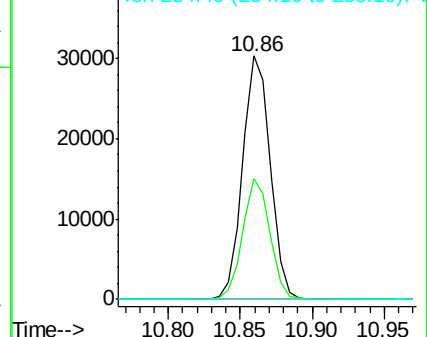
173 100

175 48.7 24.7 74.1

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

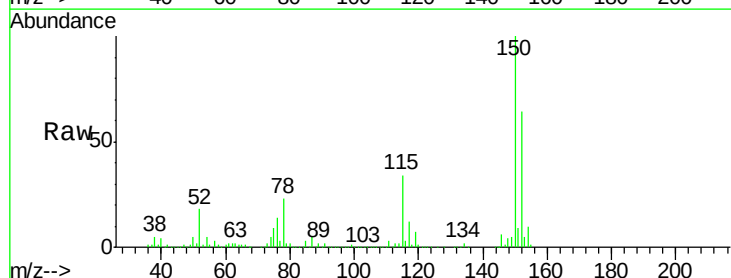
Tgt Ion:152 Resp: 191620

Ion Ratio Lower Upper

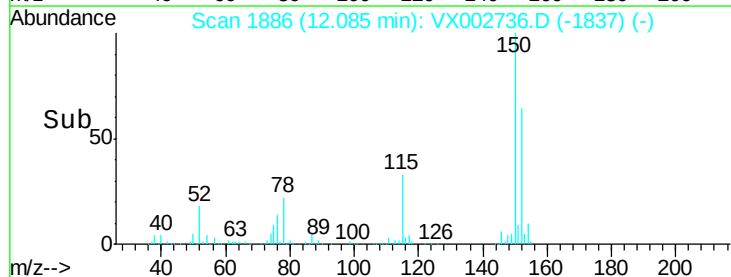
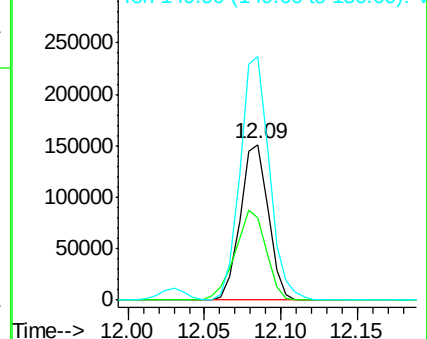
152 100

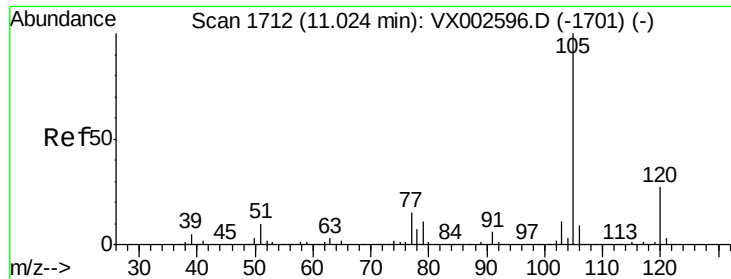
115 64.1 40.1 120.2

150 163.9 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.27 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

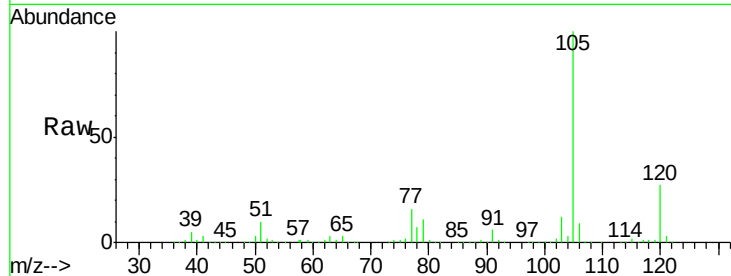
ClientSampleId :

Tot Ion:105 Resp: 259820

Ion Ratio Lower Upper

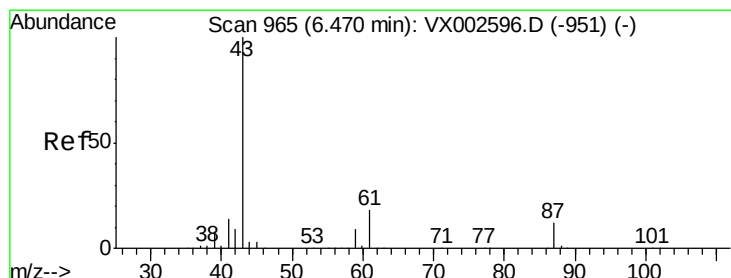
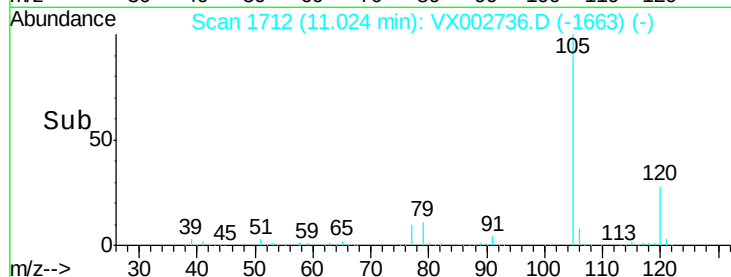
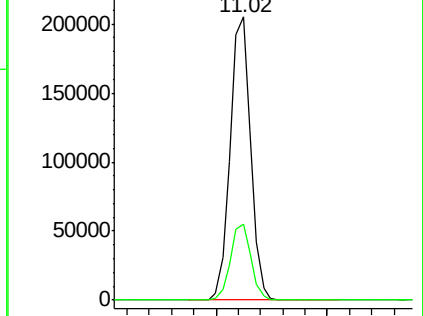
105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.49 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Tgt Ion: 43 Resp: 124110

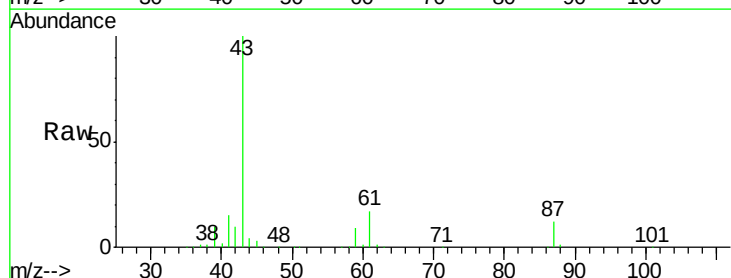
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.3 14.4 21.6

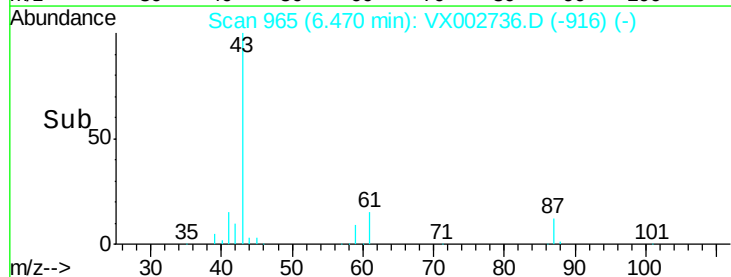
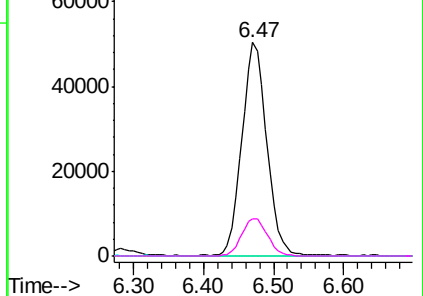


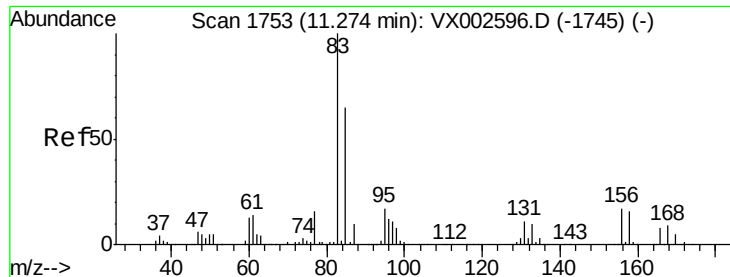
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.02 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

ClientSampleId :

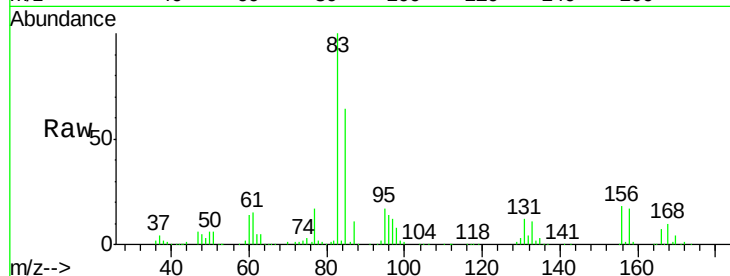
Tot Ion: 83 Resp: 79553

Ion Ratio Lower Upper

83 100

131 11.7 5.6 16.8

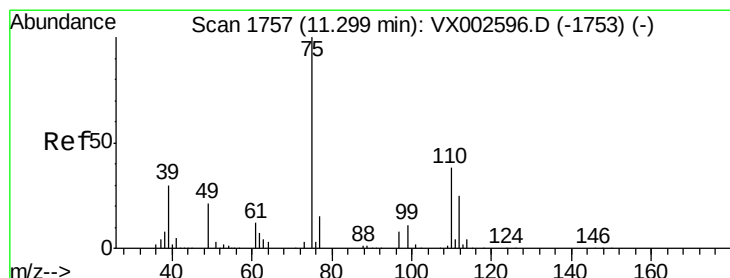
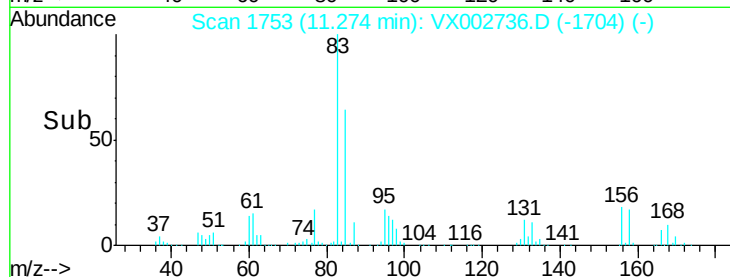
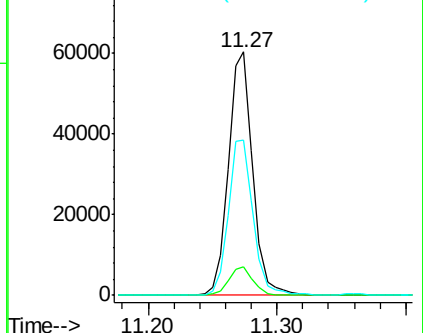
85 65.1 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX002736.D (-1704) (-)

Ion 130.80 (130.50 to 131.50): VX002736.D (-1704) (-)

Ion 84.90 (84.60 to 85.60): VX002736.D (-1704) (-)



#76

1,2,3-Trichloropropane

Concen: 23.77 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002736.D

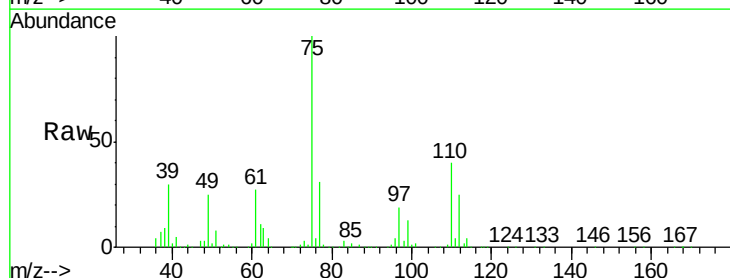
Acq: 20 Jun 2018 02:29

Tgt Ion: 75 Resp: 85938

Ion Ratio Lower Upper

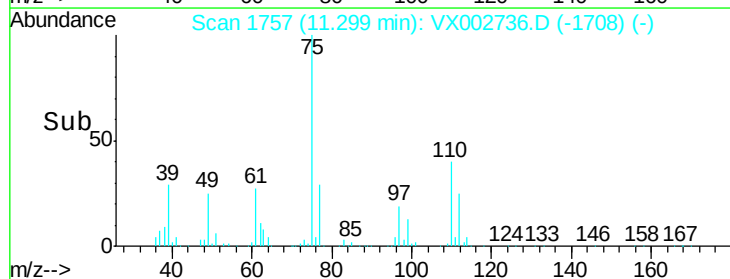
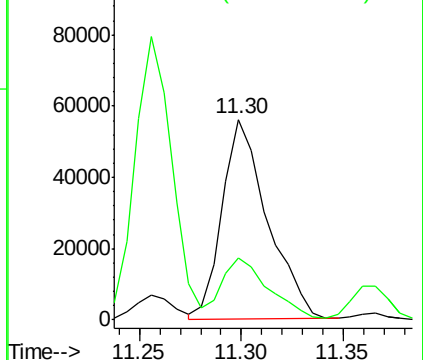
75 100

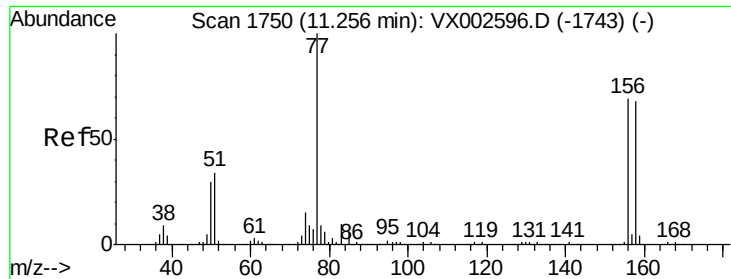
77 32.5 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX002736.D (-1708) (-)

Ion 77.00 (76.70 to 77.70): VX002736.D (-1708) (-)





#77

Bromobenzene

Concen: 20.46 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

ClientSampleId :

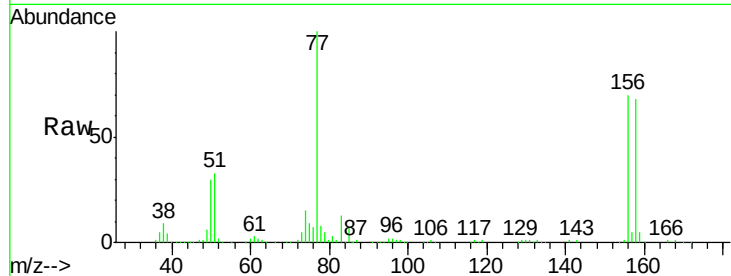
Tot Ion:156 Resp: 73043

Ion Ratio Lower Upper

156 100

77 137.0 71.4 214.2

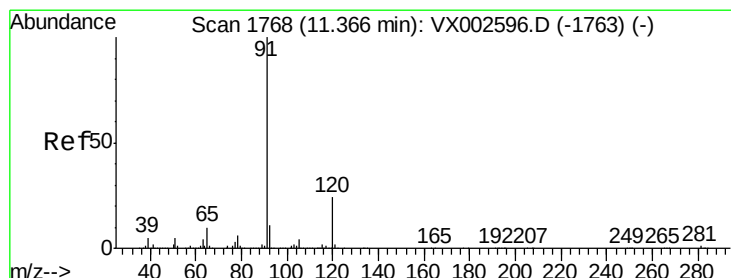
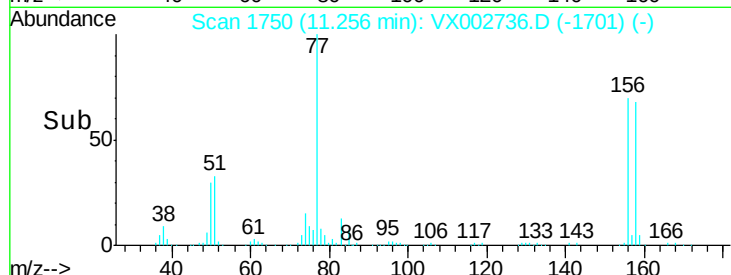
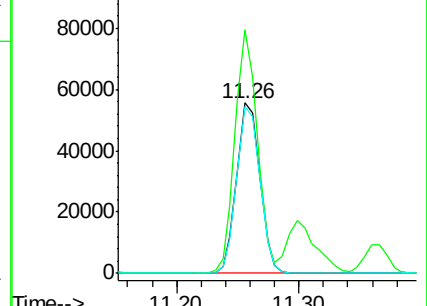
158 98.2 48.9 146.6



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: 19.97 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002736.D

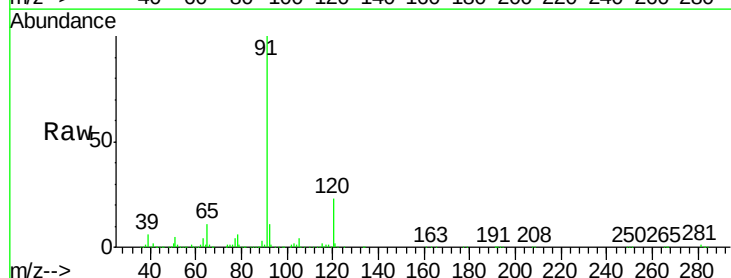
Acq: 20 Jun 2018 02:29

Tgt Ion: 91 Resp: 293528

Ion Ratio Lower Upper

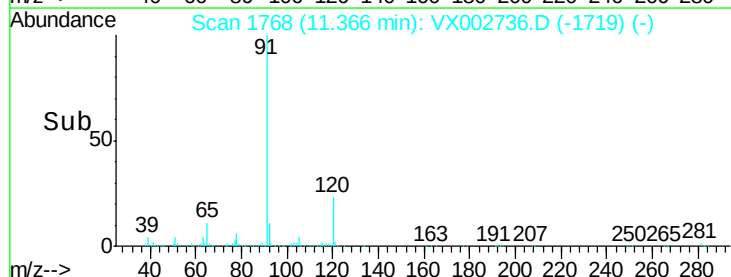
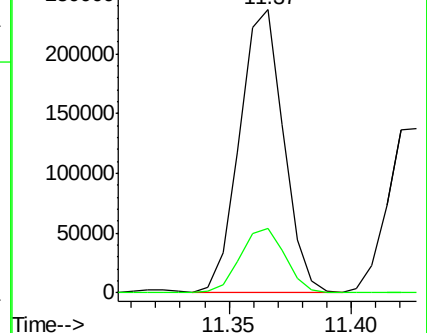
91 100

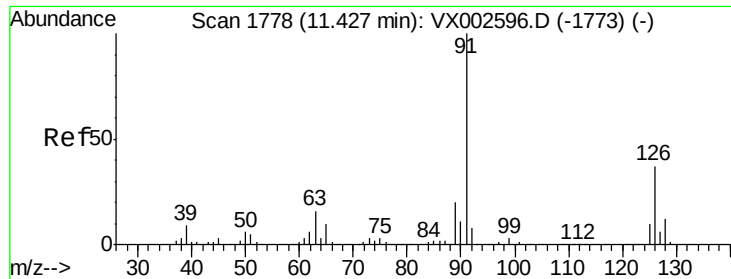
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.25 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

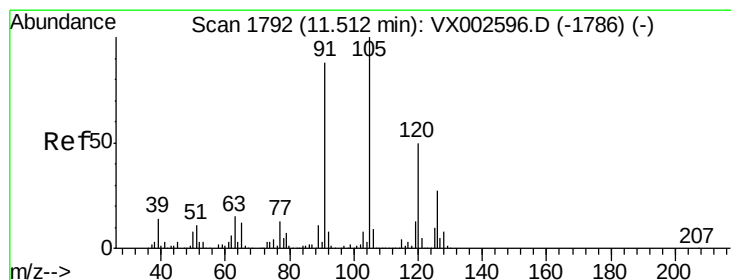
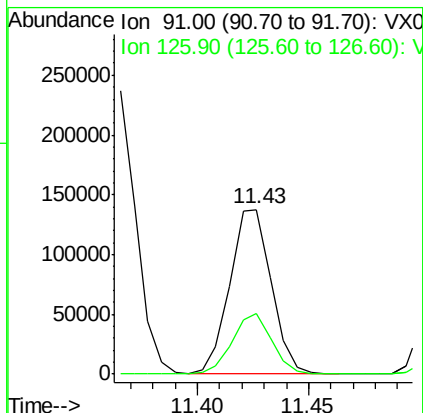
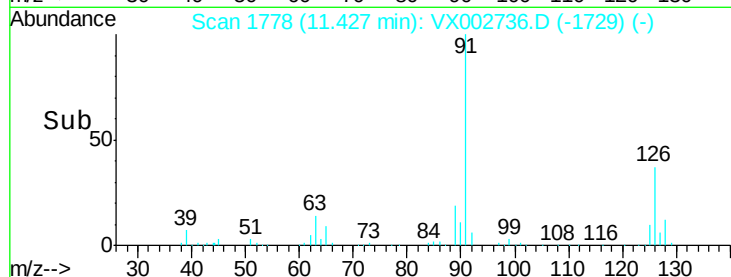
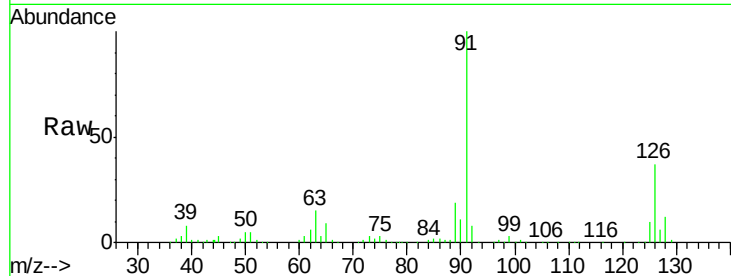
ClientSampled :

Tot Ion: 91 Resp: 177714

Ion Ratio Lower Upper

91 100

126 35.8 17.7 53.1



#80

1,3,5-Trimethylbenzene

Concen: 19.98 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002736.D

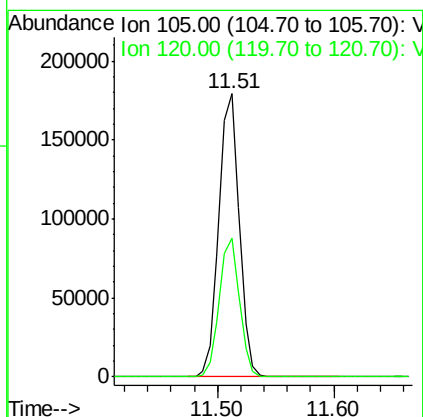
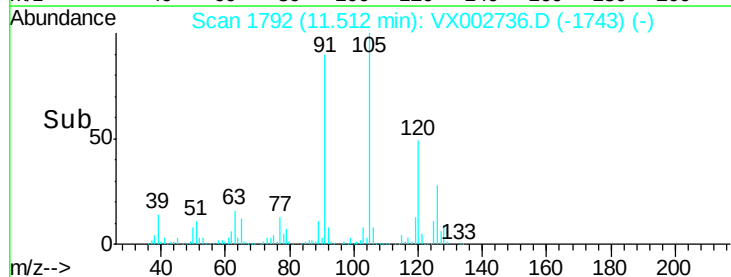
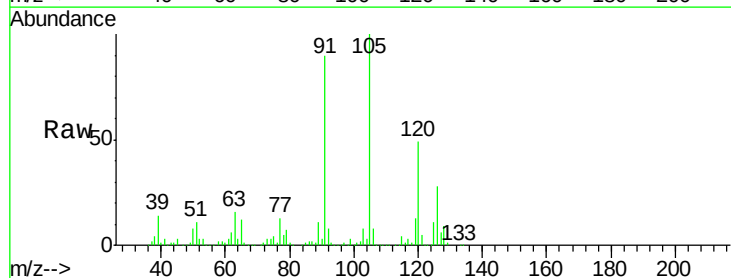
Acq: 20 Jun 2018 02:29

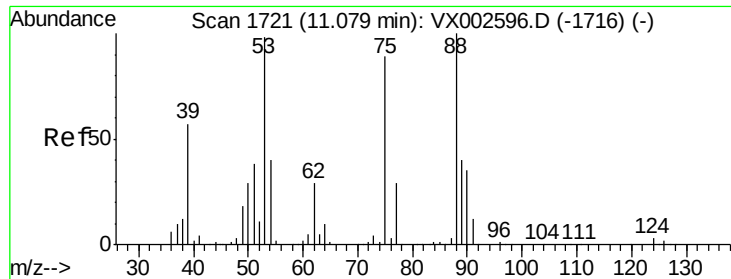
Tgt Ion: 105 Resp: 216436

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.4

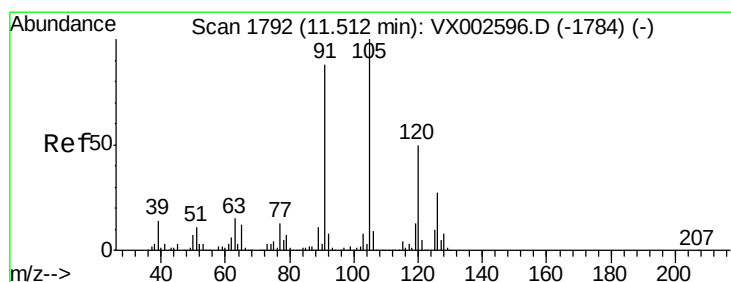
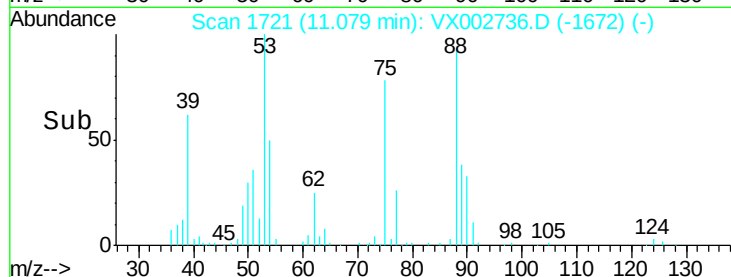
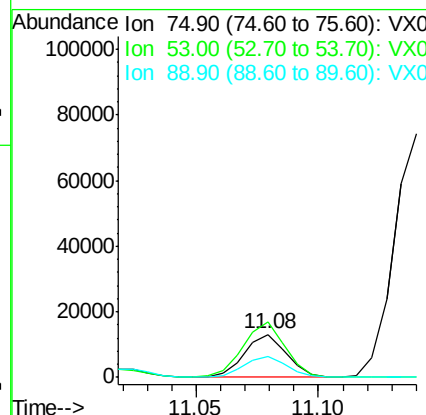
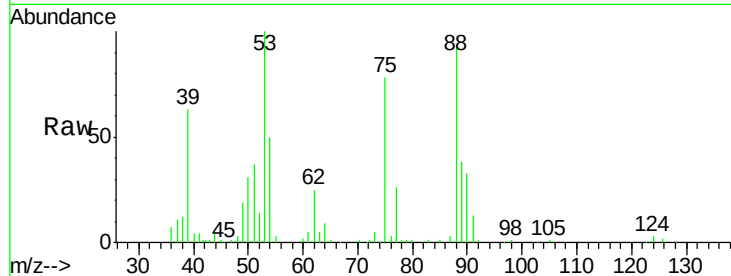




#81
trans-1,4-Dichloro-2-butene
Concen: 16.91 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

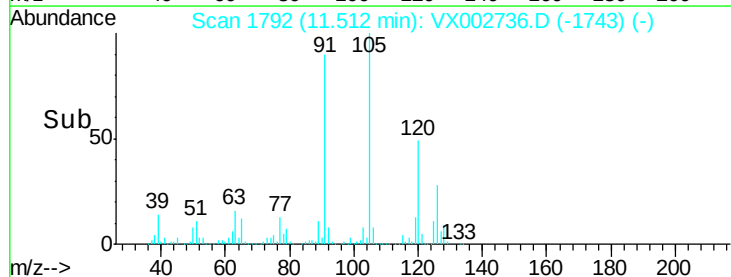
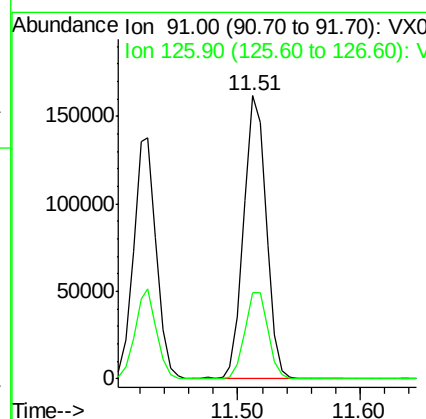
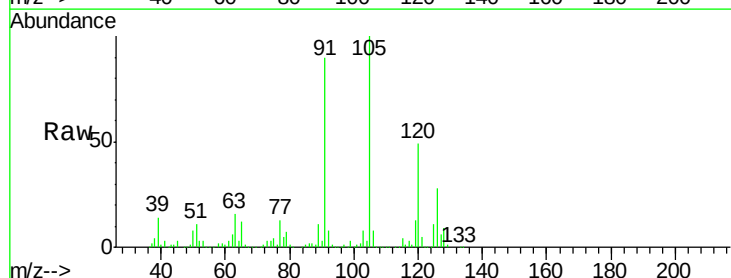
Instrument :
MSVOA_X
ClientSampleId :

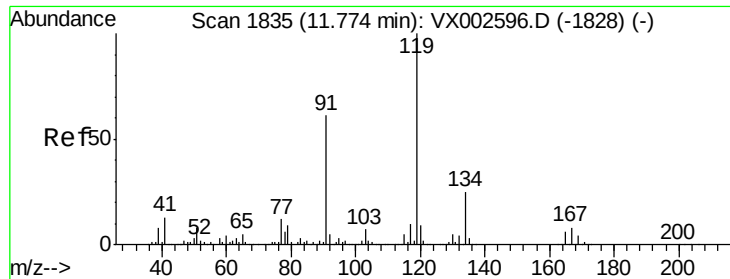
Tot Ion: 75 Resp: 15698
Ion Ratio Lower Upper
75 100
53 130.3 86.8 130.2#
89 49.9 38.2 57.2



#82
4-Chlorotoluene
Concen: 19.85 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion: 91 Resp: 205565
Ion Ratio Lower Upper
91 100
126 31.5 15.4 46.4

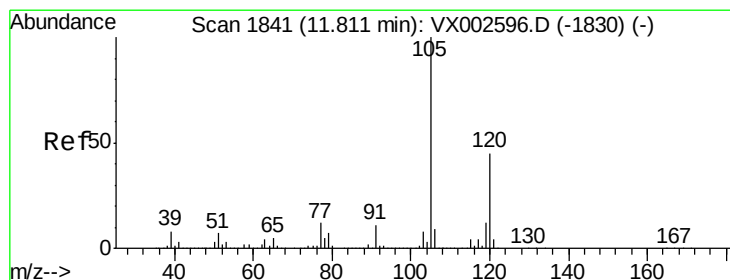
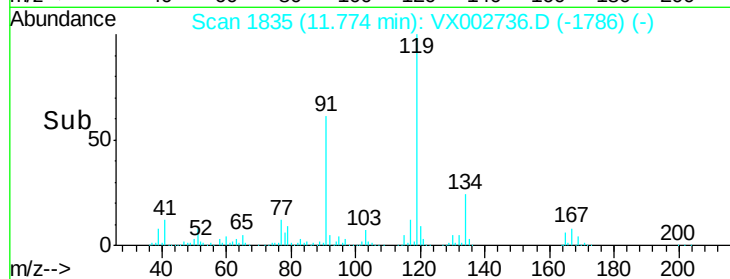
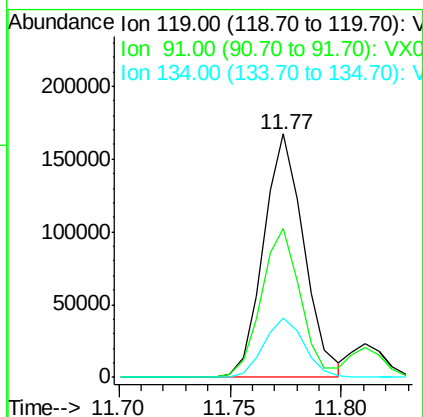
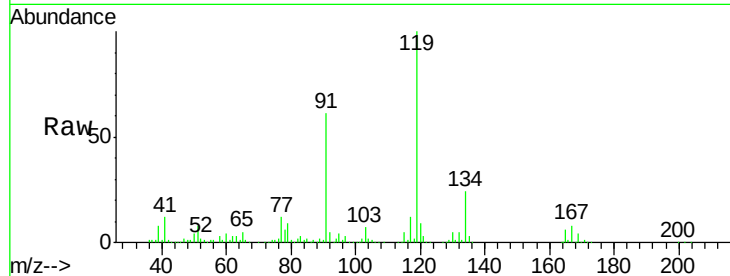




#83
 tert-Butylbenzene
 Concen: 20.24 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

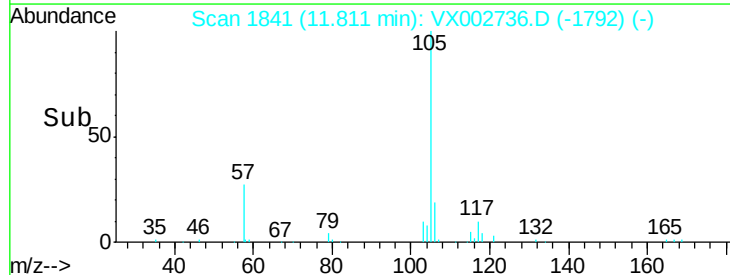
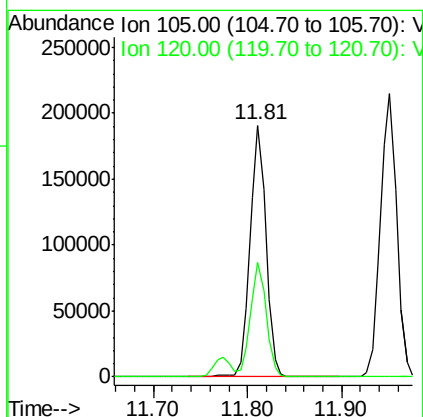
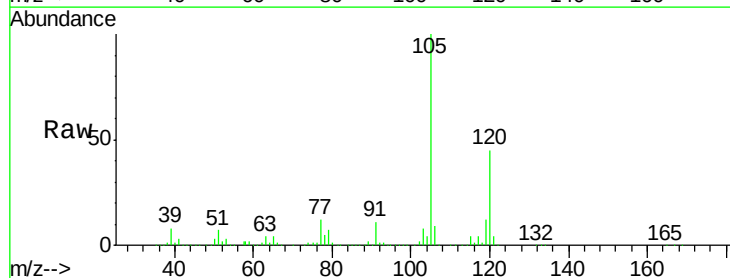
Instrument :
 MSVOA_X
 ClientSampled :

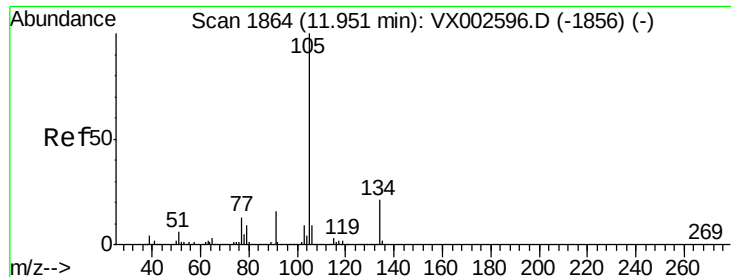
Tot Ion:119 Resp: 211128
 Ion Ratio Lower Upper
 119 100
 91 59.7 30.3 90.9
 134 24.2 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.34 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

Tgt Ion:105 Resp: 224811
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.3 66.8





#85

sec-Butylbenzene

Concen: 19.98 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

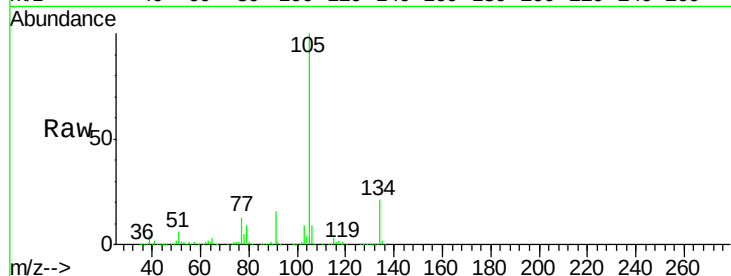
ClientSampleId :

Tot Ion:105 Resp: 259169

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

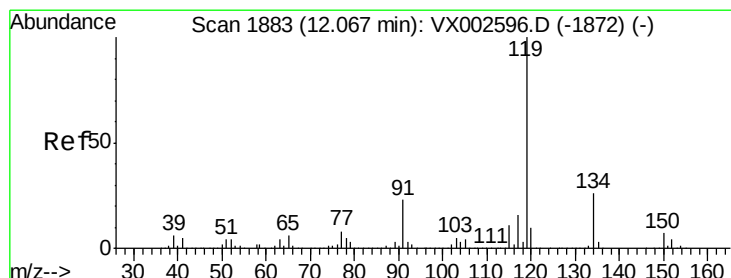
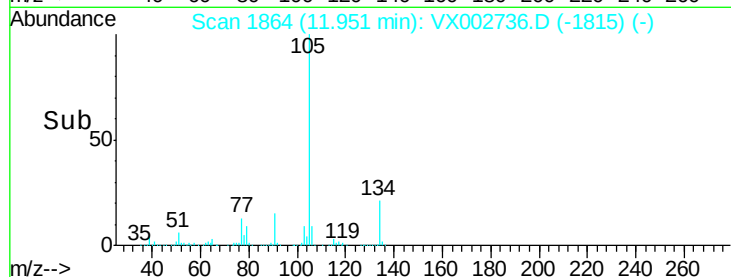
50000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 19.74 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

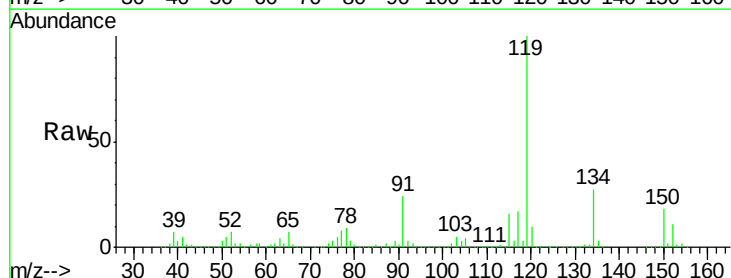
Tgt Ion:119 Resp: 231681

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 23.6 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

50000

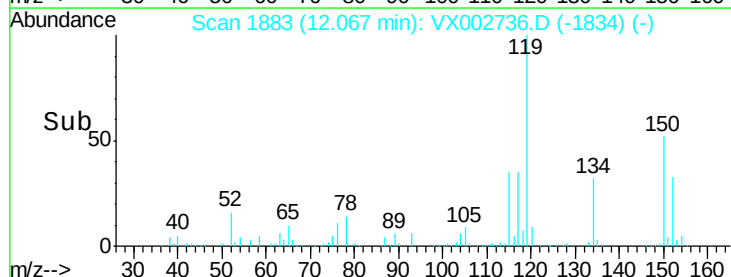
0

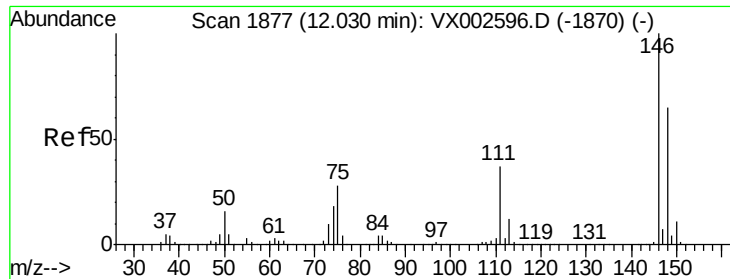
12.00

12.10

12.20

Time-->

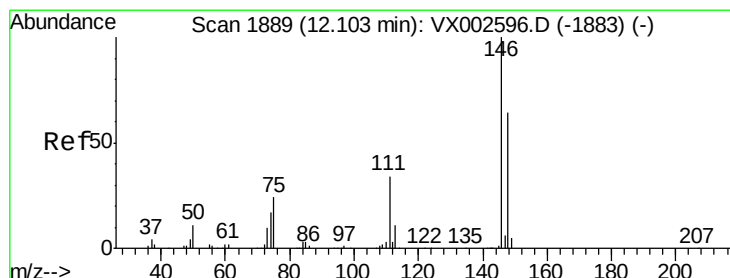
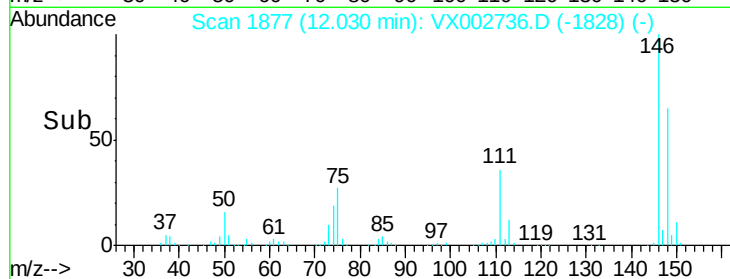
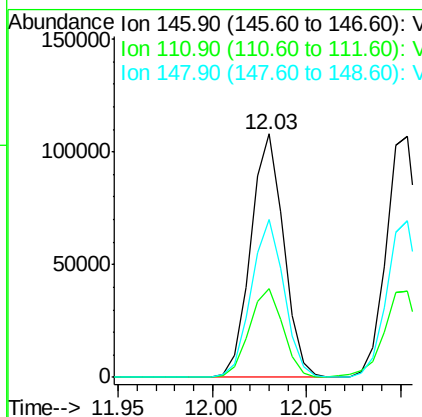
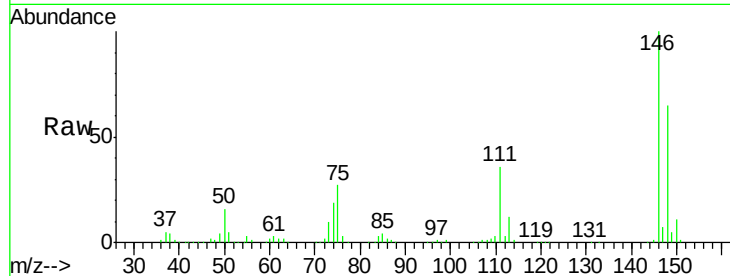




#87
 1,3-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

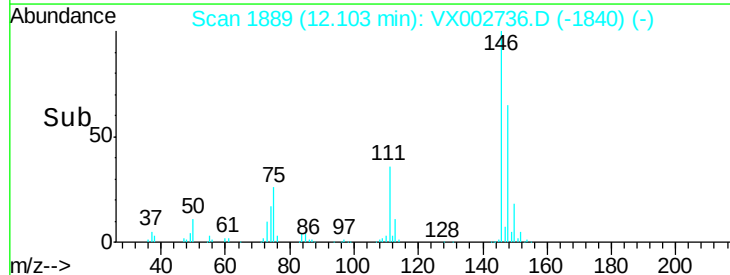
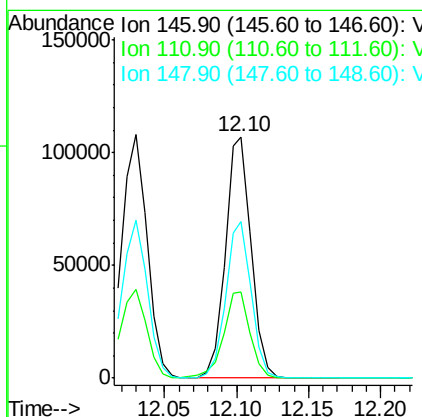
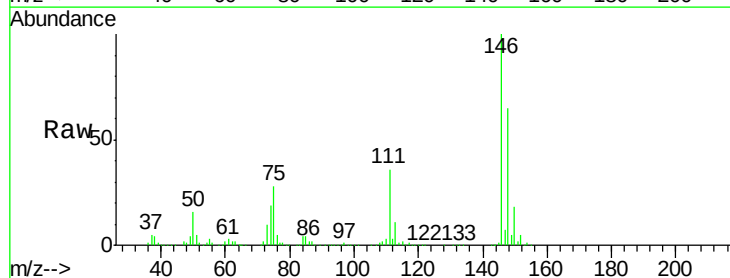
Instrument :
 MSVOA_X
 ClientSampled :

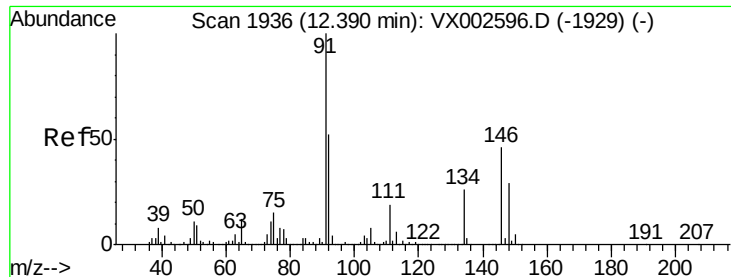
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	64.7	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.17 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 02:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	64.3	32.4	97.0





#89

n-Butylbenzene

Concen: 18.37 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

ClientSampled :

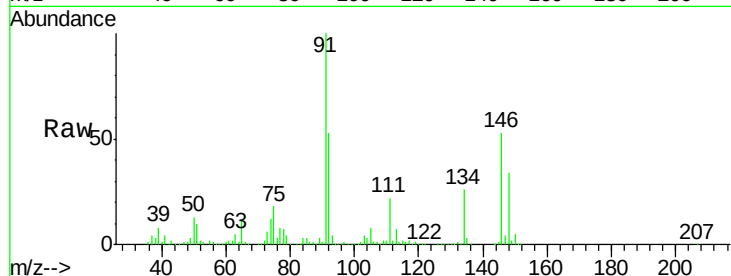
Tot Ion: 91 Resp: 190231

Ion Ratio Lower Upper

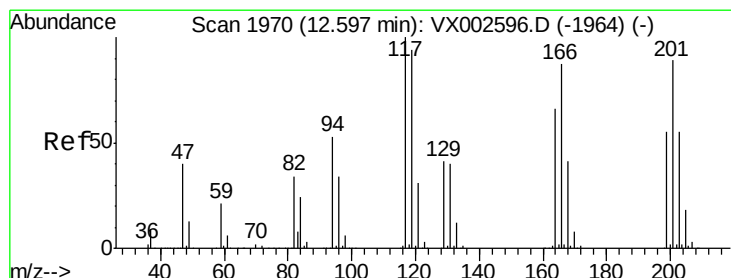
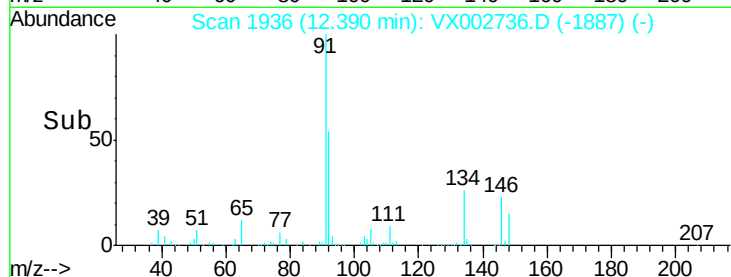
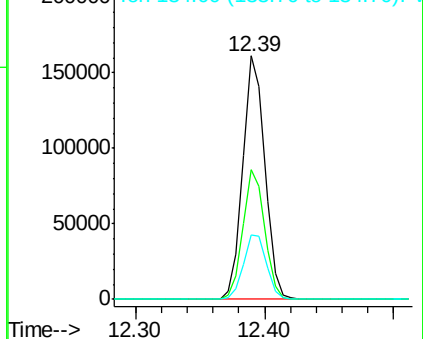
91 100

92 52.5 26.0 78.0

134 27.5 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: 19.18 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX002736.D

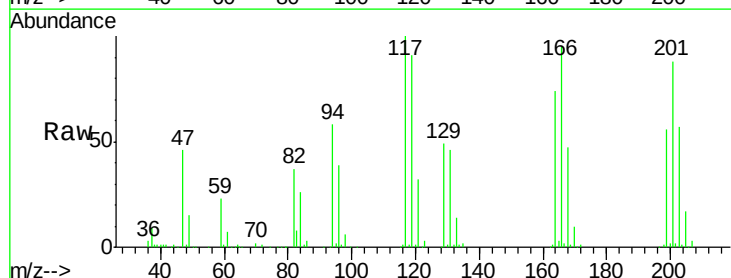
Acq: 20 Jun 2018 02:29

Tgt Ion: 117 Resp: 31980

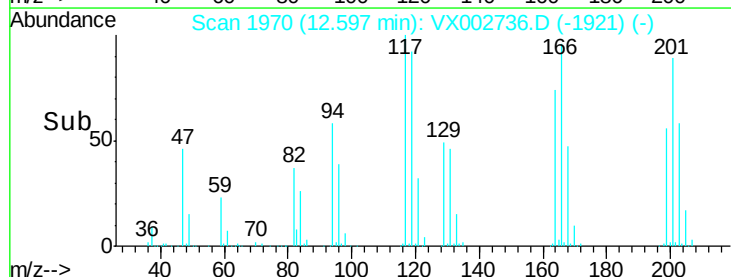
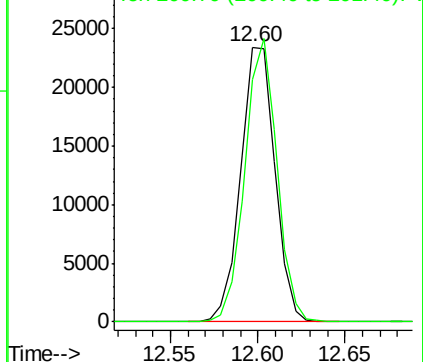
Ion Ratio Lower Upper

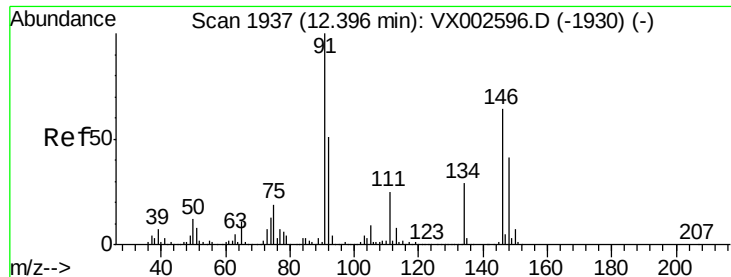
117 100

201 95.9 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

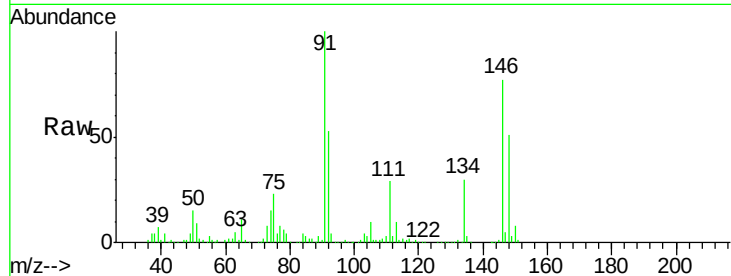




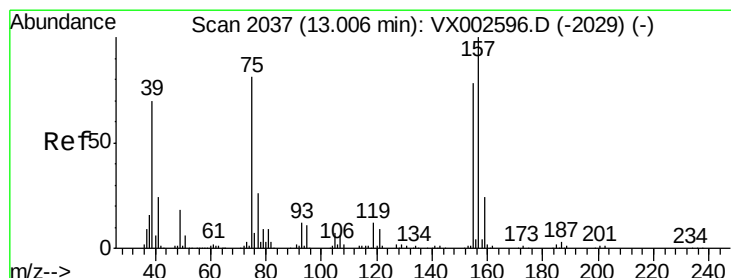
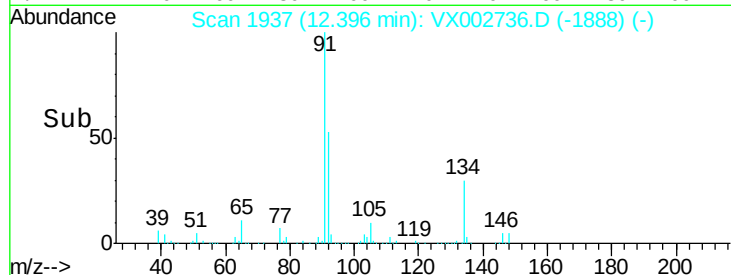
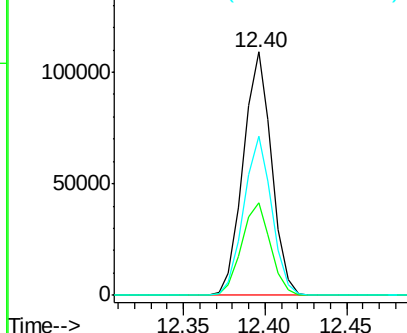
#91
1,2-Dichlorobenzene
Concen: 20.07 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:146 Resp: 132238
Ion Ratio Lower Upper
146 100
111 38.7 19.4 58.1
148 64.9 31.7 95.1

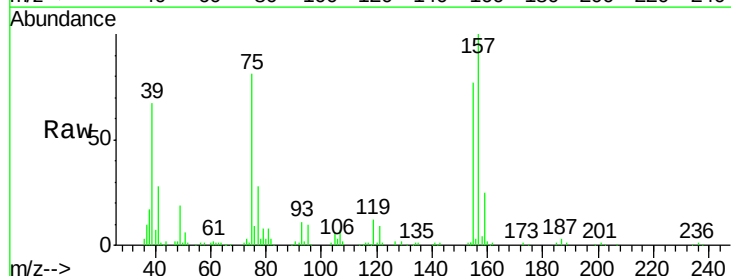


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

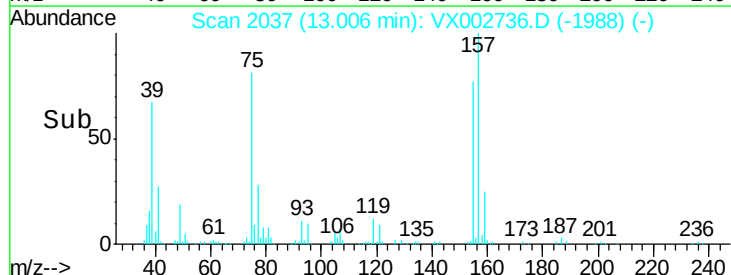
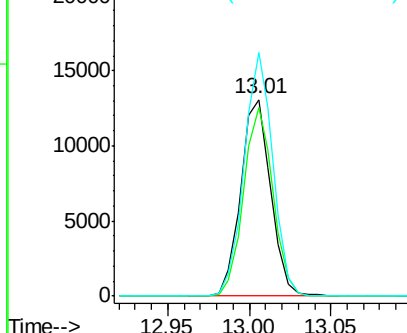


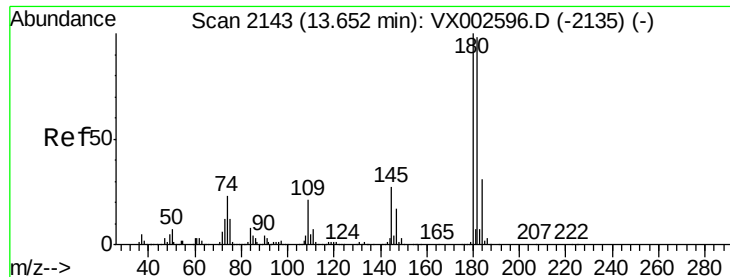
#92
1,2-Dibromo-3-Chloropropane
Concen: 21.13 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 02:29

Tgt Ion: 75 Resp: 16748
Ion Ratio Lower Upper
75 100
155 94.2 45.8 137.4
157 118.7 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.62 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

ClientSampleId :

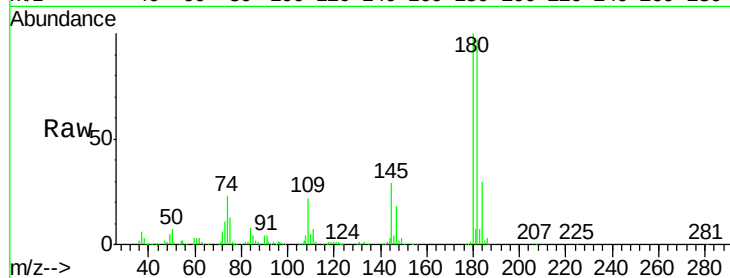
Tot Ion:180 Resp: 93859

Ion Ratio Lower Upper

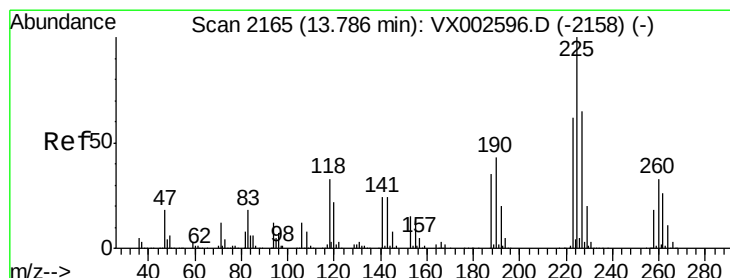
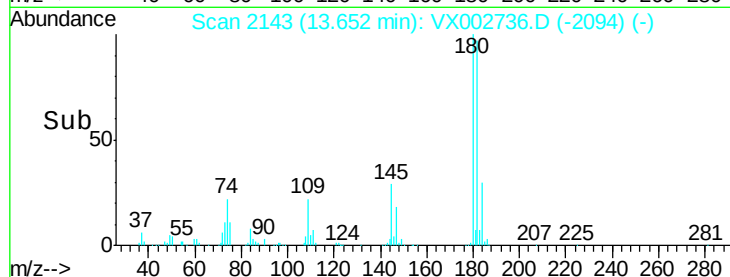
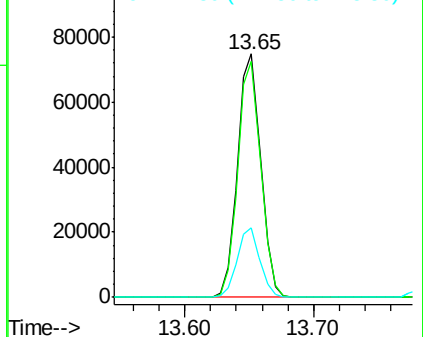
180 100

182 96.1 47.7 143.1

145 27.8 14.1 42.4



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



#94

Hexachlorobutadiene

Concen: 19.06 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

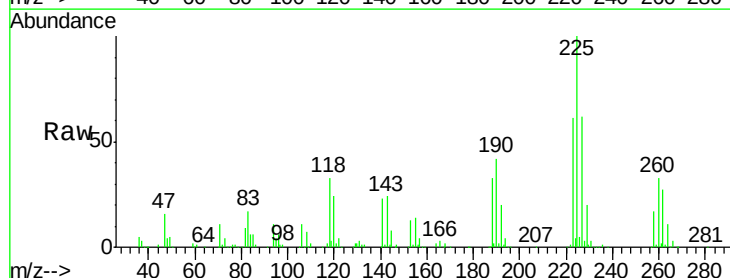
Tgt Ion:225 Resp: 48028

Ion Ratio Lower Upper

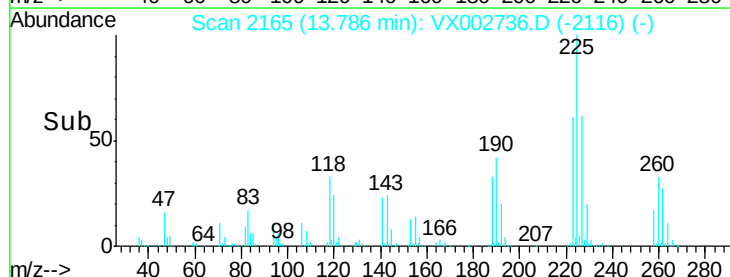
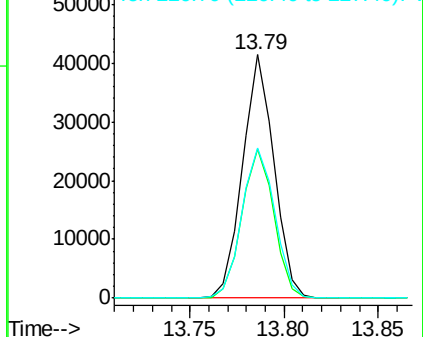
225 100

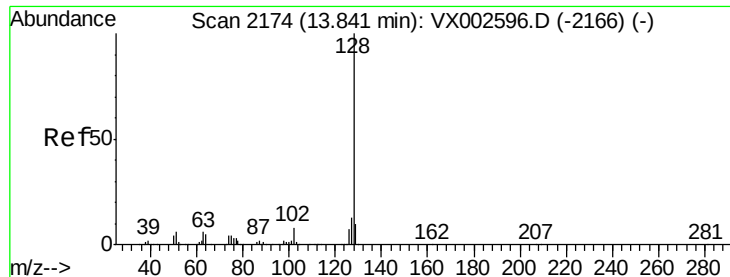
223 62.3 31.6 95.0

227 64.5 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: 20.59 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

Instrument :

MSVOA_X

ClientSampled :

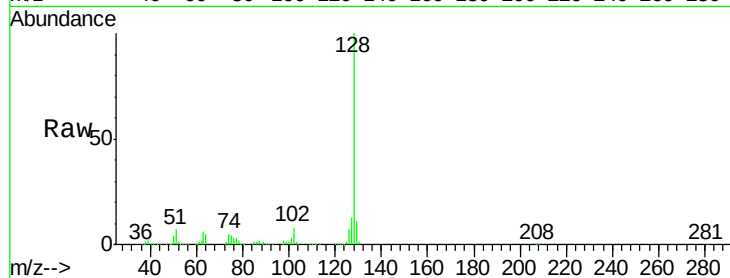
Tot Ion:128 Resp: 265033

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

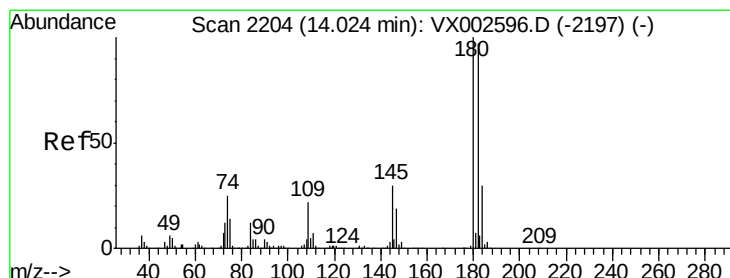
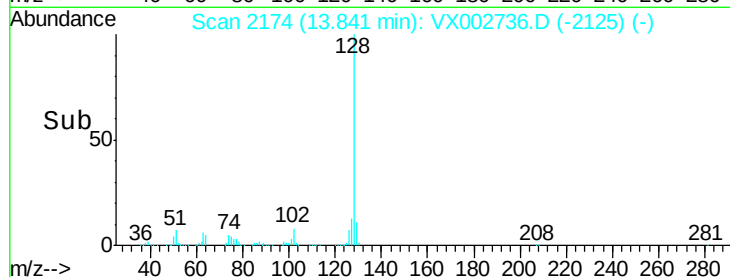
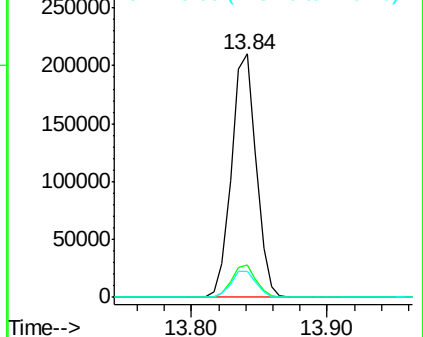
129 10.9 8.6 13.0



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: 20.27 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 02:29

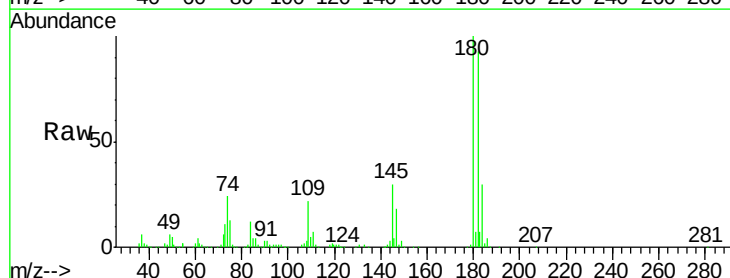
Tgt Ion:180 Resp: 97364

Ion Ratio Lower Upper

180 100

182 94.7 48.0 144.0

145 29.2 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

