

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060918\
 Data File : VX002424.D
 Acq On : 09 Jun 2018 16:36
 Operator : JC/MD
 Sample : J3396-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 11 04:07:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	213444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	300458	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	276603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	164296	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	144199	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.08%		
35) Dibromofluoromethane	5.51	113	109645	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.80%		
50) Toluene-d8	8.72	98	431794	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.36%		
62) 4-Bromofluorobenzene	11.14	95	153402	43.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.86%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.30	50	1559	Below Cal	#	56
5) Bromomethane	1.66	94	1579	Below Cal		95
6) Chloroethane	1.84	64	362	0.20	ug/l #	63
8) Diethyl Ether	2.20	74	78	Below Cal		96
10) Methyl Iodide	2.53	142	1839	0.57	ug/l #	92
11) Tert butyl alcohol	3.07	59	1366	Below Cal	#	73
13) Acrolein	2.27	56	21808	64.73	ug/l #	1
14) Allyl chloride	2.84	41	48726	9.88	ug/l #	80
15) Acrylonitrile	3.17	53	2546	Below Cal	#	64
16) Acetone	2.45	43	30735	4.60	ug/l	100
17) Carbon Disulfide	2.57	76	1554	0.26	ug/l #	28
18) Methyl Acetate	2.84	43	108049	34.50	ug/l #	55
19) Methyl tert-butyl Ether	3.21	73	1548	Below Cal	#	1
20) Methylene Chloride	2.86	84	1208	Below Cal	#	23
22) Diisopropyl ether	3.88	45	203	Below Cal	#	35
23) Vinyl Acetate	3.82	43	4901	0.61	ug/l #	75
25) 2-Butanone	4.71	43	12115	5.79	ug/l	100
28) Bromochloromethane	5.01	49	21	Below Cal	#	13
30) Chloroform	5.30	83	5586	1.19	ug/l #	19
31) Cyclohexane	5.58	56	53659	13.92	ug/l	98
36) 1,1-Dichloropropene	5.67	75	15189	4.81	ug/l #	52
37) Ethyl Acetate	4.71	43	12115	3.19	ug/l #	70
38) Carbon Tetrachloride	5.67	117	20010	6.06	ug/l #	14
39) Methylcyclohexane	7.46	83	12312	3.40	ug/l #	92
40) Benzene	6.15	78	3219	0.33	ug/l	95
41) Methacrylonitrile	5.31	41	26471	12.17	ug/l #	1
48) Methyl methacrylate	7.73	41	725	0.22	ug/l #	1
49) 1,4-Dioxane	7.96	88	23	0.38	ug/l #	63
51) 4-Methyl-2-Pentanone	8.67	43	1278	0.32	ug/l #	83
52) Toluene	8.79	92	102207	16.59	ug/l	100
55) 1,1,2-Trichloroethane	9.27	97	642	0.25	ug/l #	26
56) Ethyl methacrylate	9.17	69	2094	0.52	ug/l #	3
65) Chlorobenzene	10.14	112	6026	0.88	ug/l	90
67) Ethyl Benzene	10.26	91	37790	3.28	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

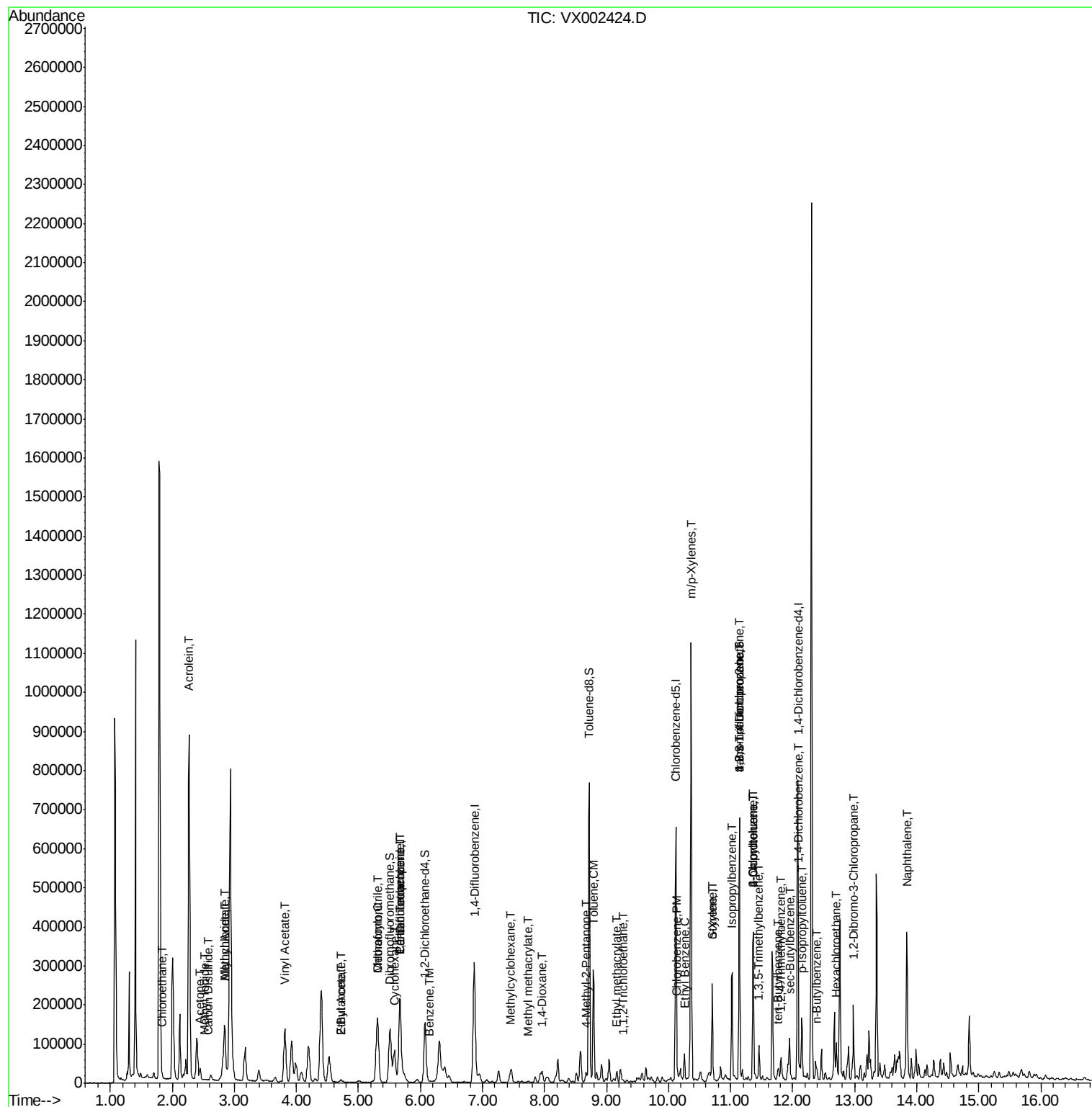
68) m/p-Xylenes	10.36	106	252646	56.43	ug/l	100
69) o-Xylene	10.70	106	50761	11.39	ug/l	99
70) Styrene	10.70	104	2629	0.36	ug/l #	1
73) Isopropylbenzene	11.02	105	140917	12.33	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	83472	23.15	ug/l #	32
78) n-propylbenzene	11.37	91	228229	17.97	ug/l	99
79) 2-Chlorotoluene	11.37	91	228229	28.45	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.46	105	40069	4.09	ug/l	73
81) trans-1,4-Dichloro-2-buten	11.14	75	83472	81.16	ug/l #	7
82) 4-Chlorotoluene	11.37	91	228229	24.65	ug/l #	44
83) tert-Butylbenzene	11.77	119	9152	0.96	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	22111	2.19	ug/l	99
85) sec-Butylbenzene	11.95	105	33438	2.99	ug/l	96
86) p-Isopropyltoluene	12.15	119	6636	0.65	ug/l #	1
88) 1,4-Dichlorobenzene	12.10	146	2328	0.39	ug/l #	1
89) n-Butylbenzene	12.39	91	8558	1.00	ug/l #	70
90) Hexachloroethane	12.71	117	27569	16.94	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.98	75	940	1.20	ug/l #	1
95) Naphthalene	13.84	128	224117	18.74	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

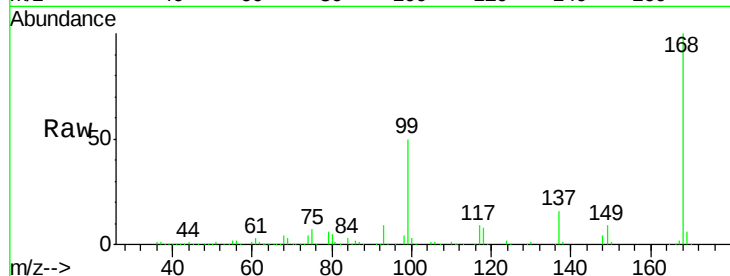
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 213444

Ion Ratio Lower Upper

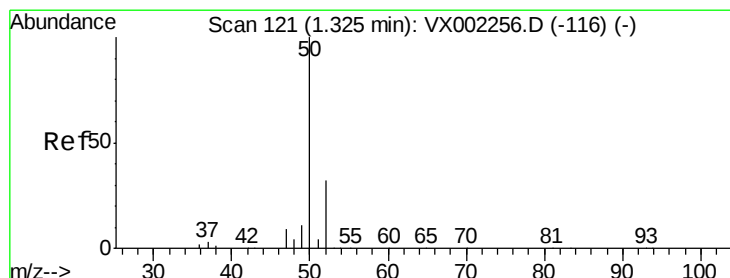
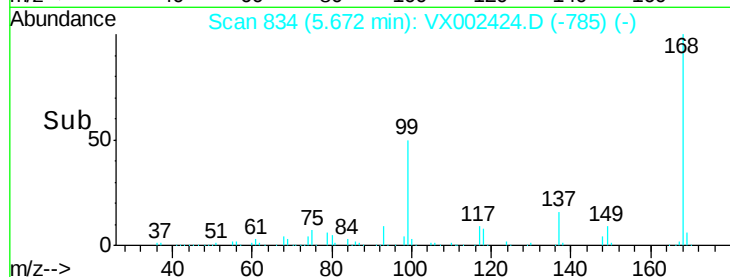
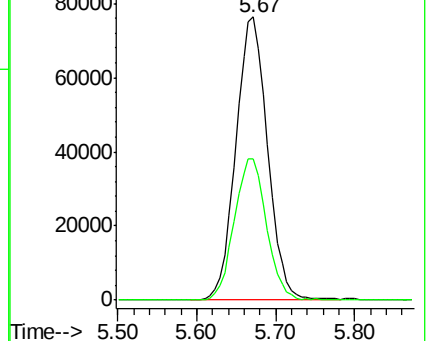
168 100

99 49.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.30 min Scan# 117

Delta R.T. -0.02 min

Lab File: VX002424.D

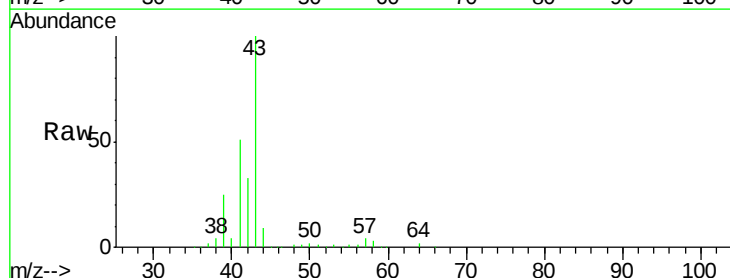
Acq: 09 Jun 2018 16:36

Tgt Ion: 50 Resp: 1559

Ion Ratio Lower Upper

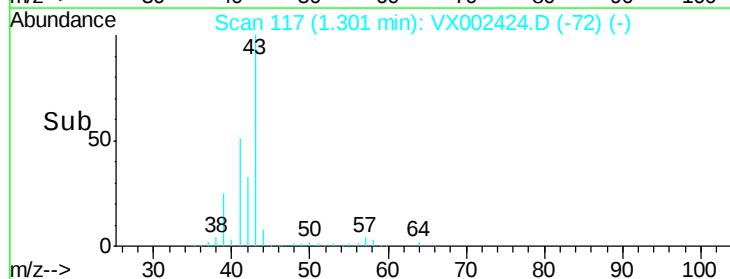
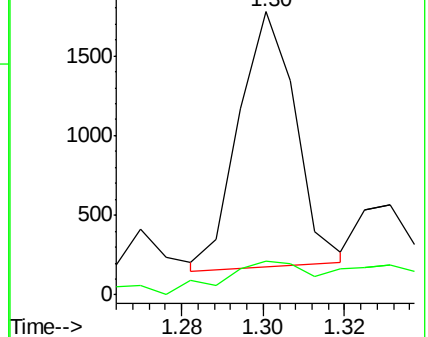
50 100

52 7.7 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

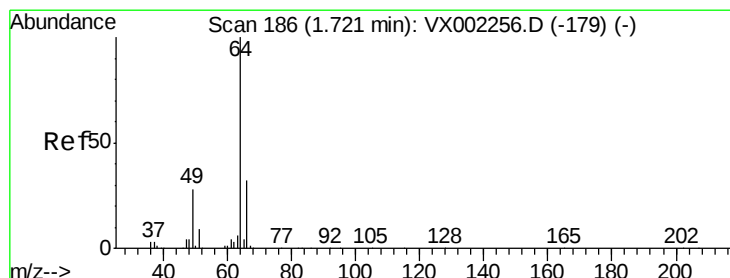
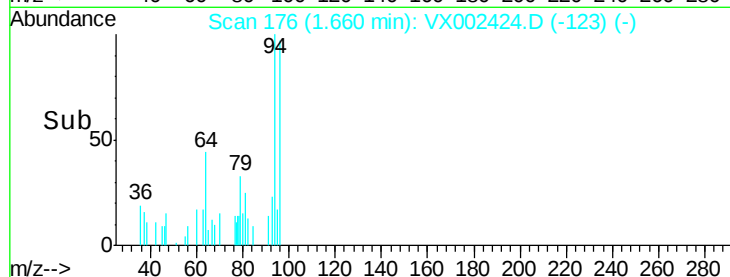
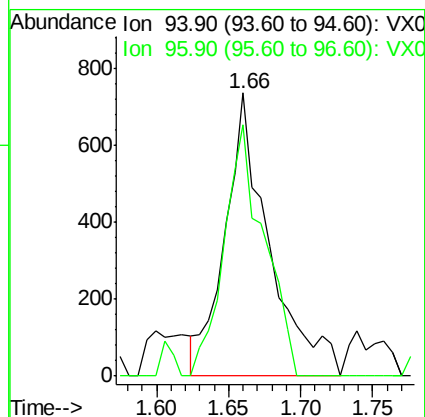
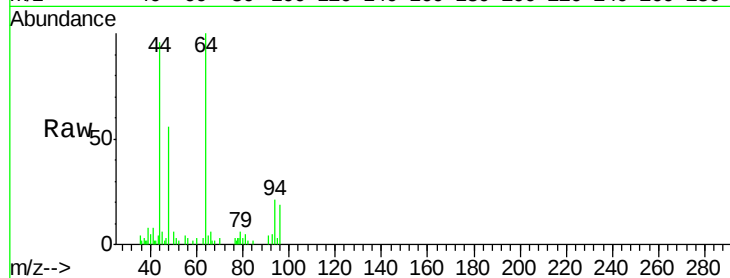
ClientSampleId :

Tot Ion: 94 Resp: 1579

Ion Ratio Lower Upper

94 100

96 88.6 74.9 112.3



#6

Chloroethane

Concen: 0.20 ug/l

RT: 1.84 min Scan# 205

Delta R.T. 0.12 min

Lab File: VX002424.D

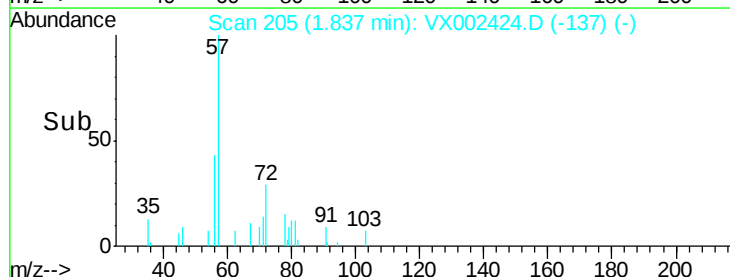
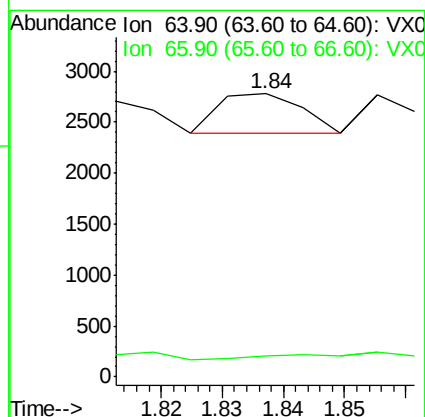
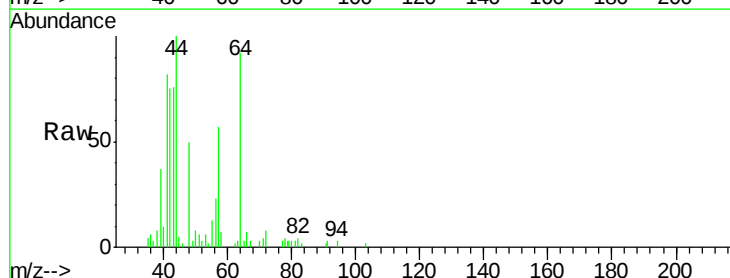
Acq: 09 Jun 2018 16:36

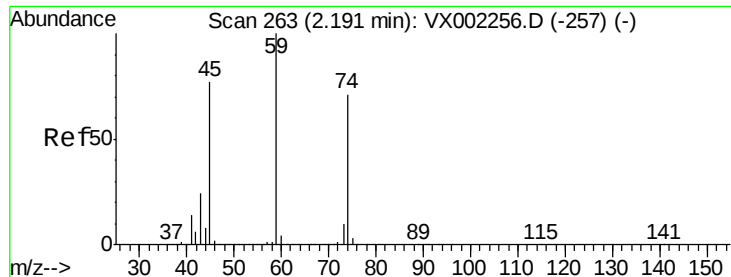
Tgt Ion: 64 Resp: 362

Ion Ratio Lower Upper

64 100

66 11.2 25.5 38.3#





#8

Diethyl Ether

Concen: Below Cal

RT: 2.20 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

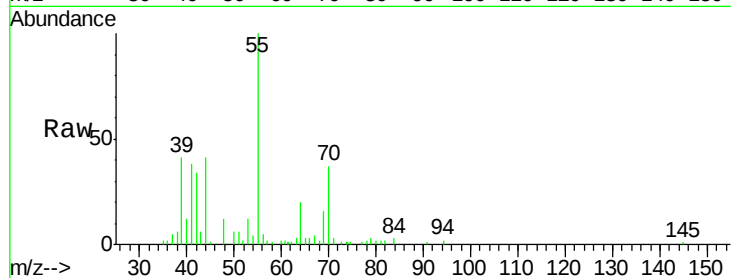
ClientSampled :

Tot Ion: 74 Resp: 78

Ion Ratio Lower Upper

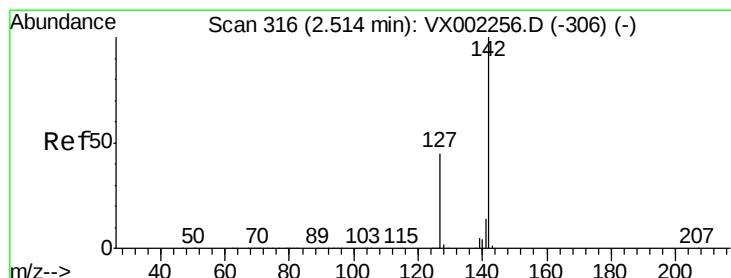
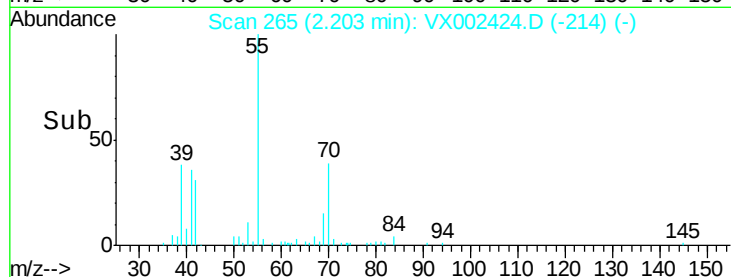
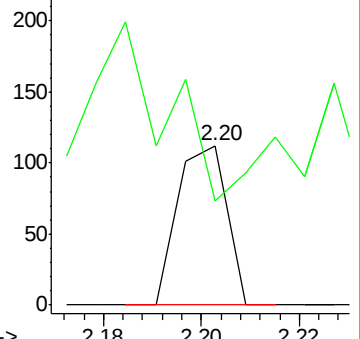
74 100

45 110.3 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 0.57 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

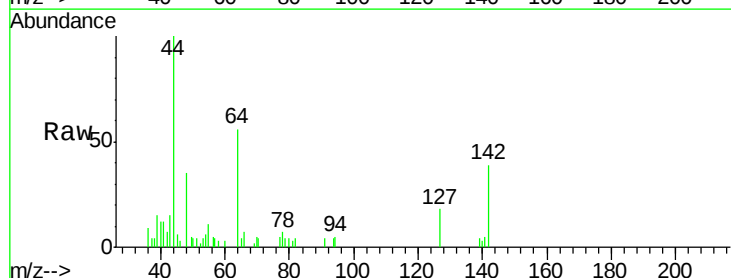
Tgt Ion: 142 Resp: 1839

Ion Ratio Lower Upper

142 100

127 51.2 36.6 55.0

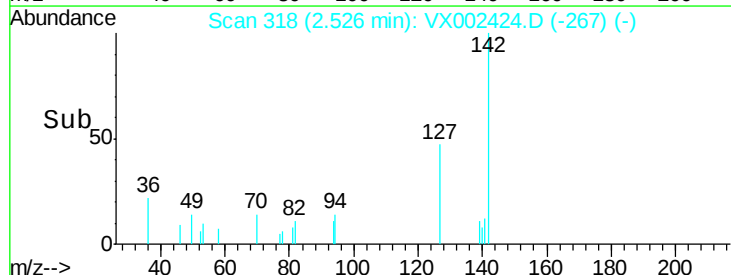
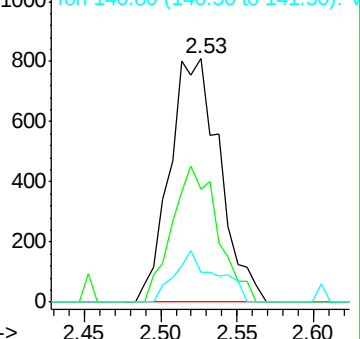
141 17.6 11.3 16.9#

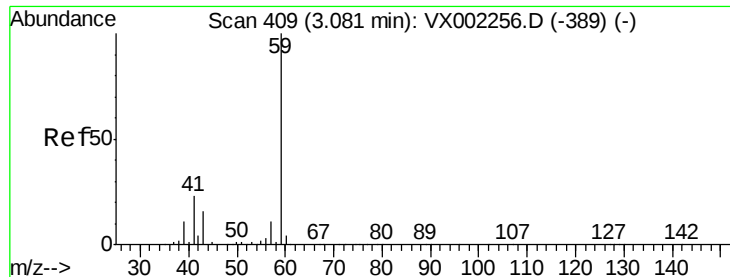


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

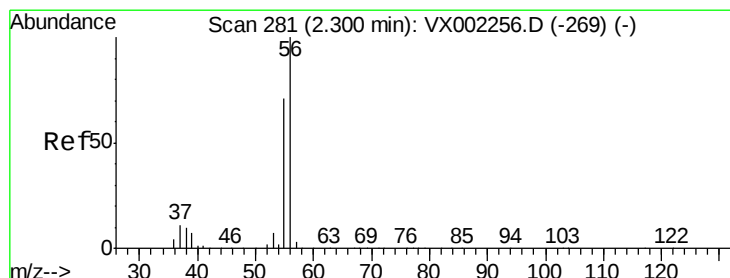
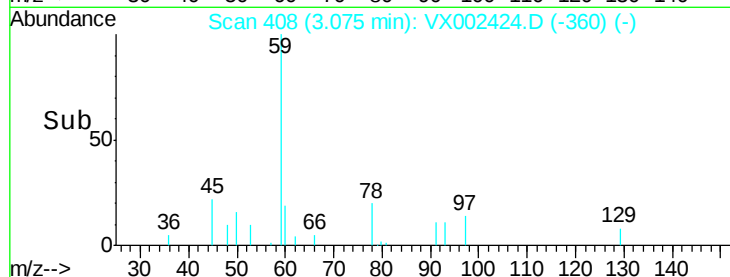
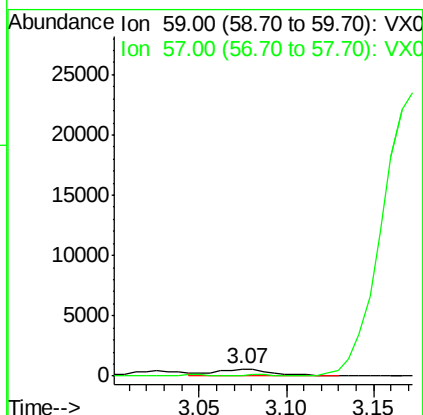
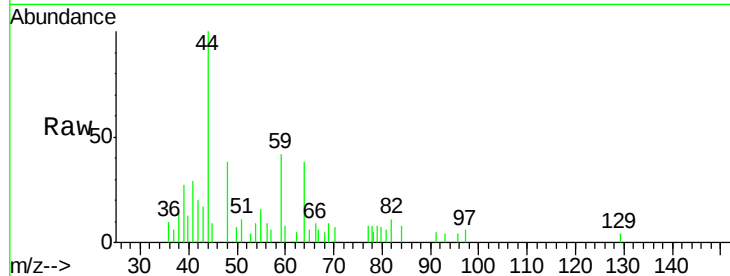




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

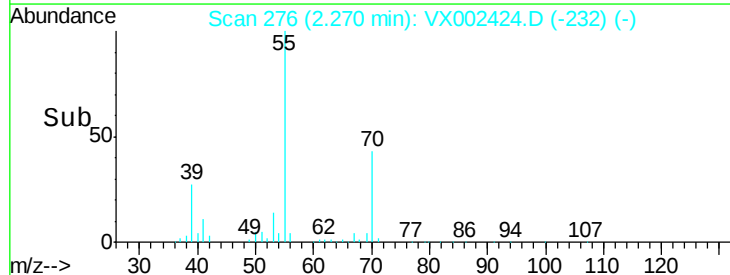
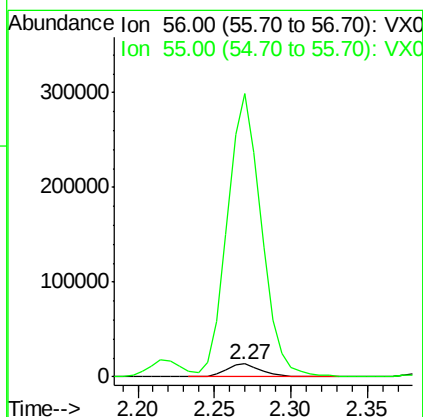
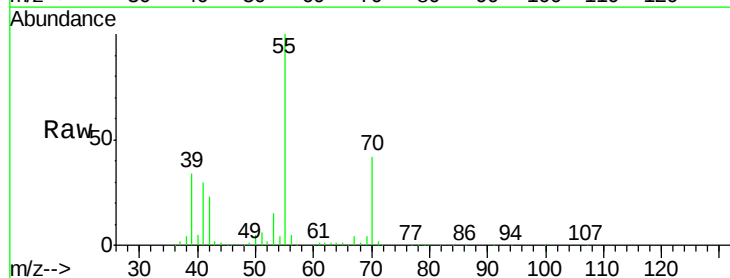
Instrument :
MSVOA_X
ClientSampleId :

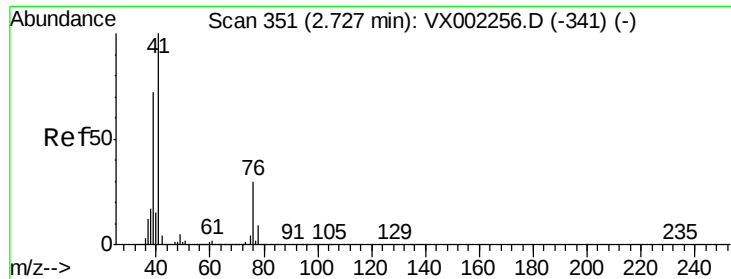
Tot Ion: 59 Resp: 1366
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 64.73 ug/l
RT: 2.27 min Scan# 276
Delta R.T. -0.03 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion: 56 Resp: 21808
Ion Ratio Lower Upper
56 100
55 2118.0 57.0 85.4#

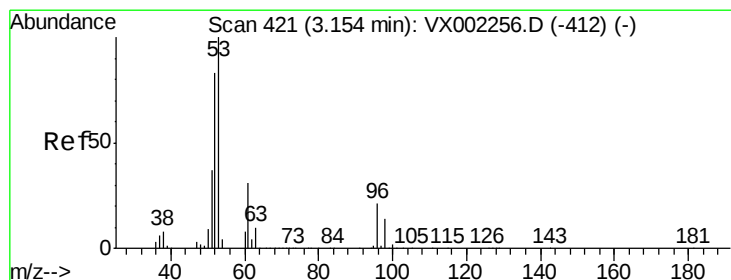
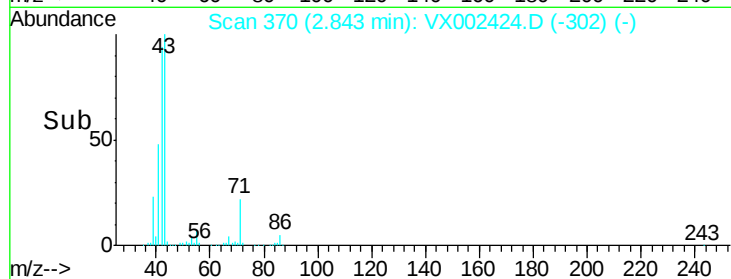
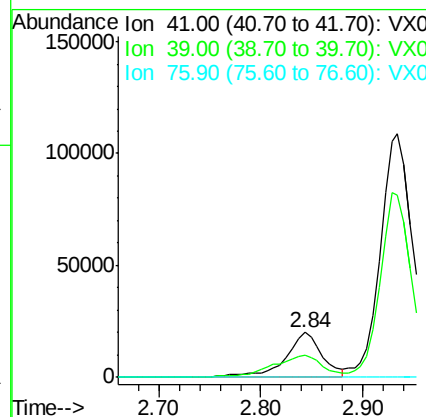
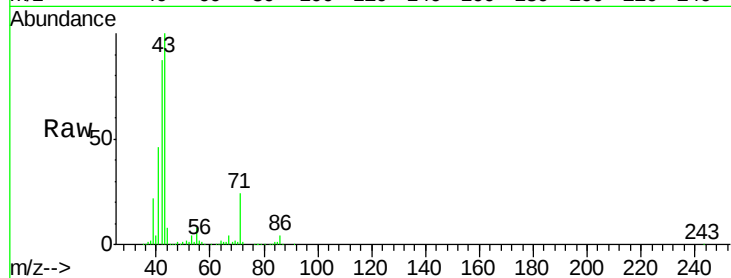




#14
Allvl chloride
Concen: 9.88 ua/l
RT: 2.84 min Scan# 370
Delta R.T. 0.12 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

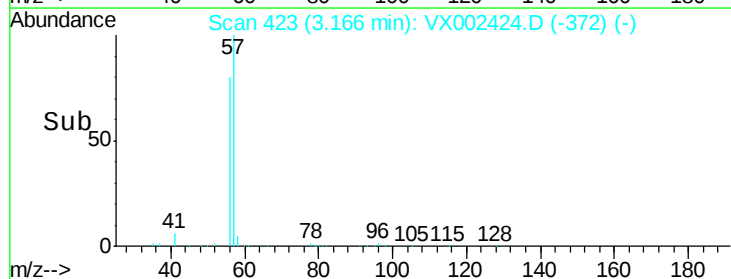
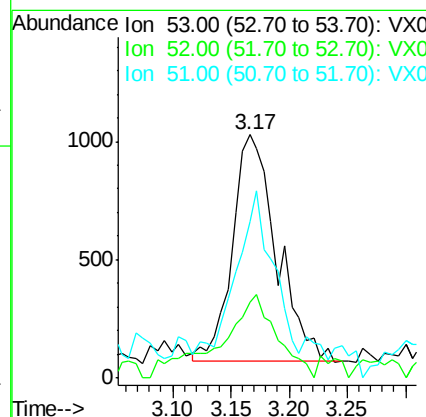
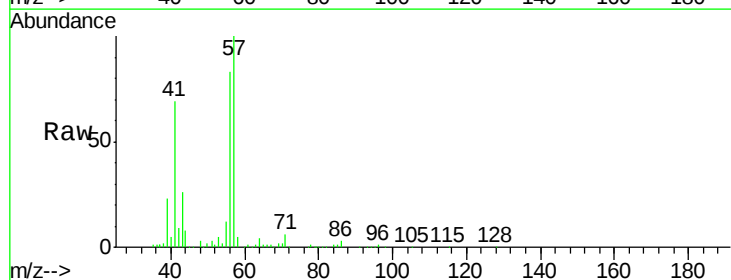
Instrument :
MSVOA_X
ClientSampled :

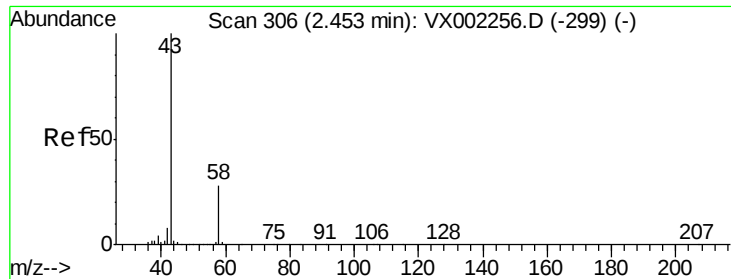
Tot Ion: 41 Resp: 48726
Ion Ratio Lower Upper
41 100
39 66.3 56.8 85.2
76 0.0 23.8 35.8#



#15
Acrylonitrile
Concen: Below Cal
RT: 3.17 min Scan# 423
Delta R.T. 0.01 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion: 53 Resp: 2546
Ion Ratio Lower Upper
53 100
52 48.0 66.7 100.1#
51 55.5 29.9 44.9#





#16

Acetone

Concen: 4.60 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

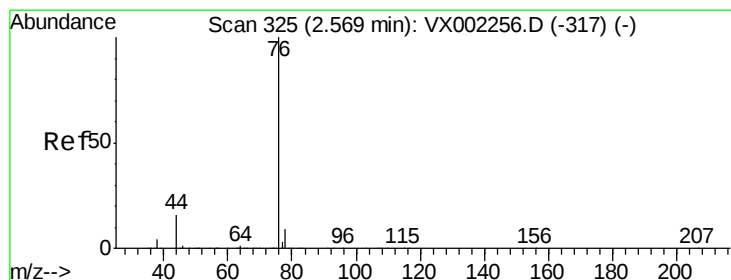
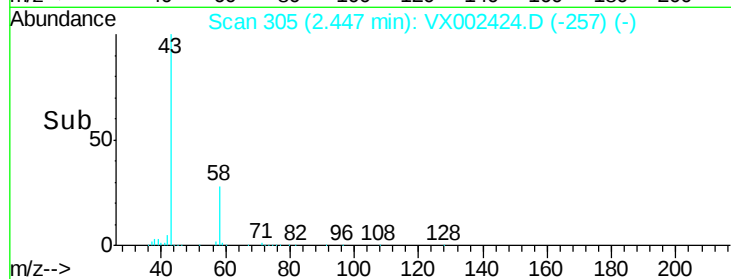
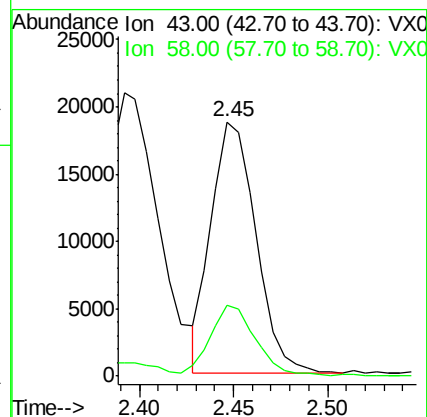
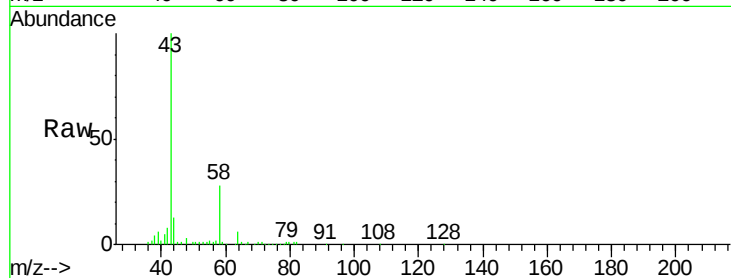
ClientSampleId :

Tot Ion: 43 Resp: 30735

Ion Ratio Lower Upper

43 100

58 27.6 22.1 33.1



#17

Carbon Disulfide

Concen: 0.26 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002424.D

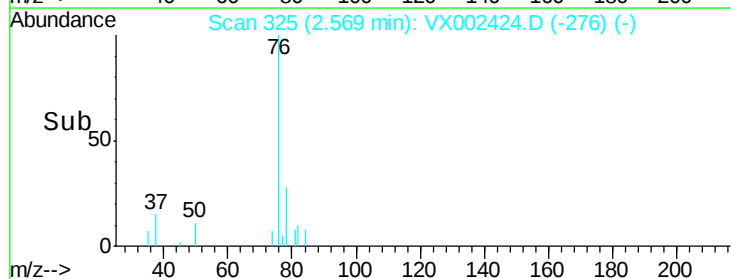
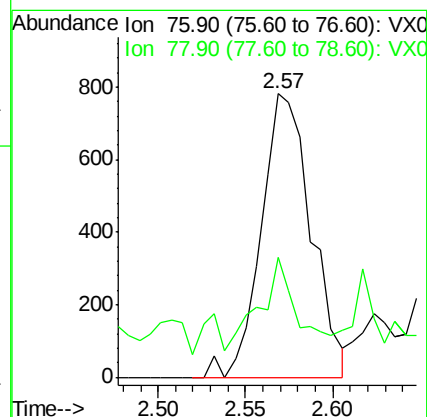
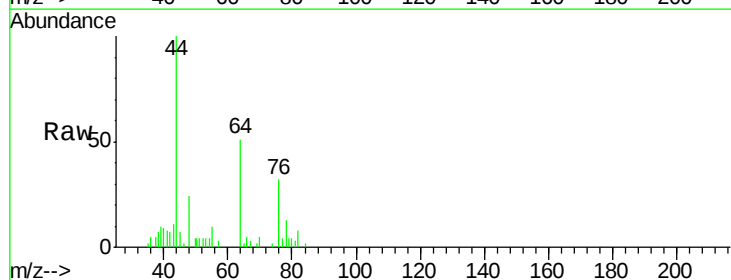
Acq: 09 Jun 2018 16:36

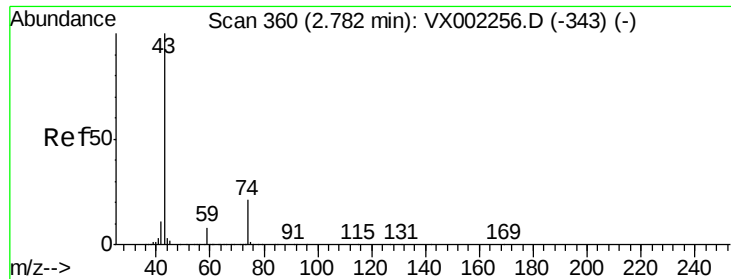
Tgt Ion: 76 Resp: 1554

Ion Ratio Lower Upper

76 100

78 34.4 6.9 10.3#

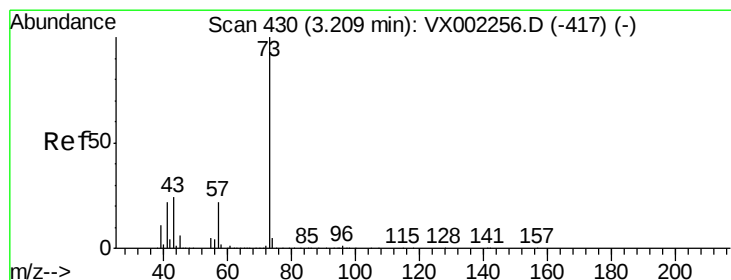
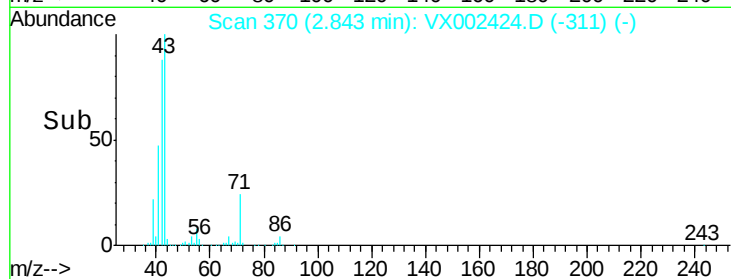
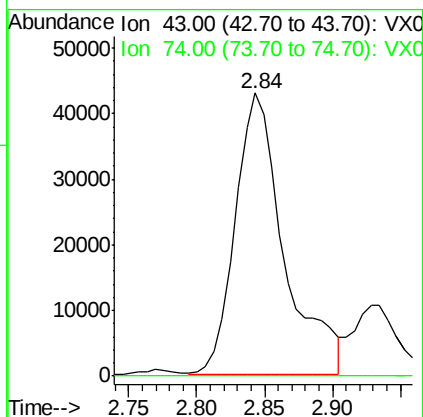
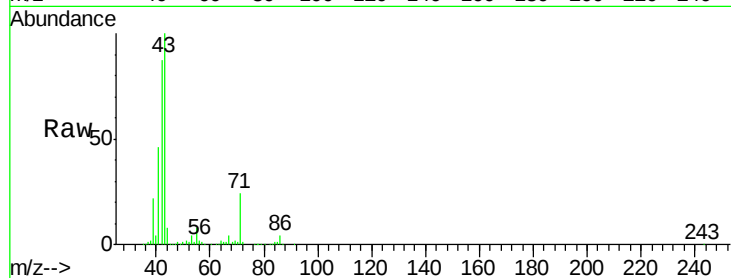




#18
Methyl Acetate
Concen: 34.50 ug/l
RT: 2.84 min Scan# 370
Delta R.T. 0.06 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

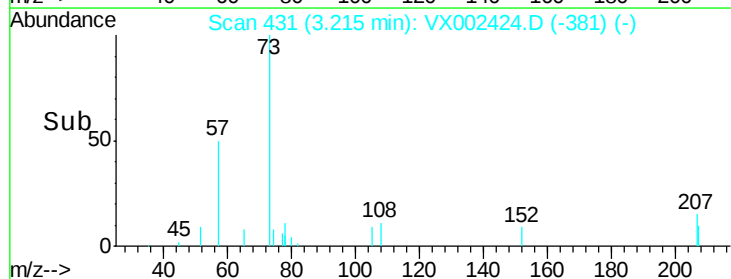
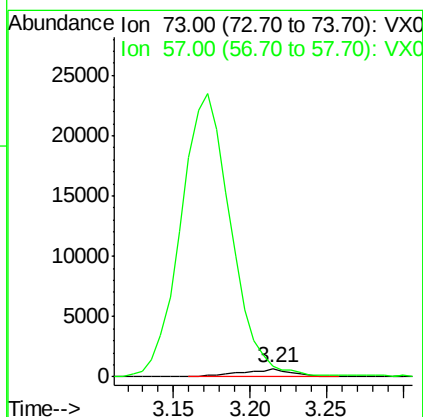
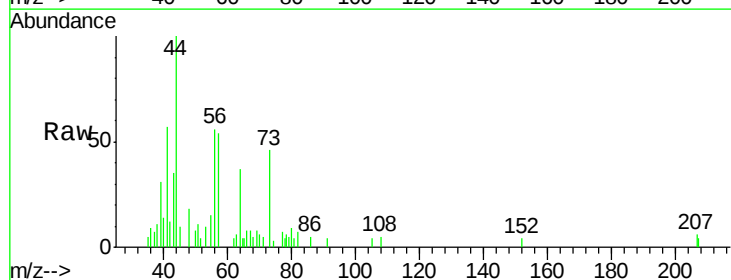
Instrument :
MSVOA_X
ClientSampleId :

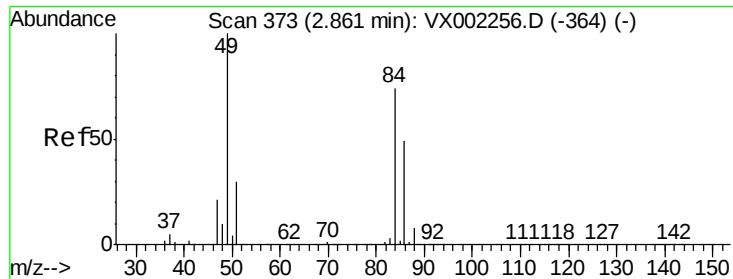
Tot Ion: 43 Resp: 108049
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion: 73 Resp: 1548
Ion Ratio Lower Upper
73 100
57 94.4 17.7 26.5#

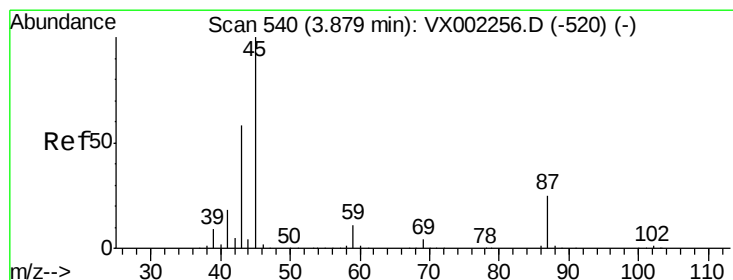
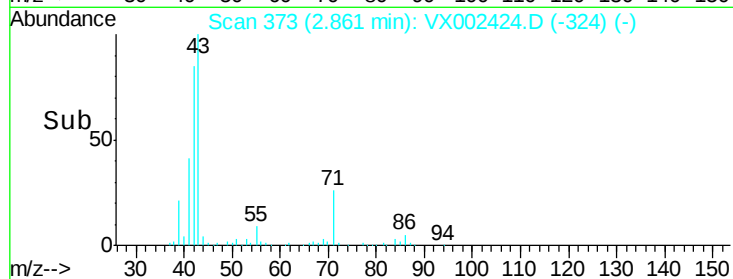
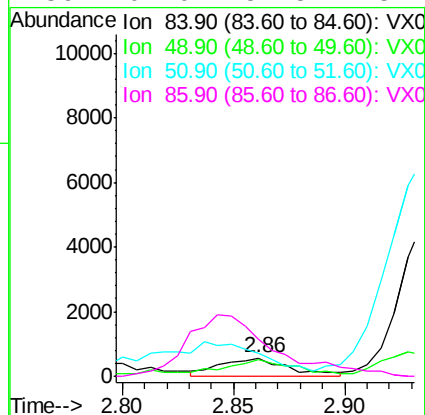
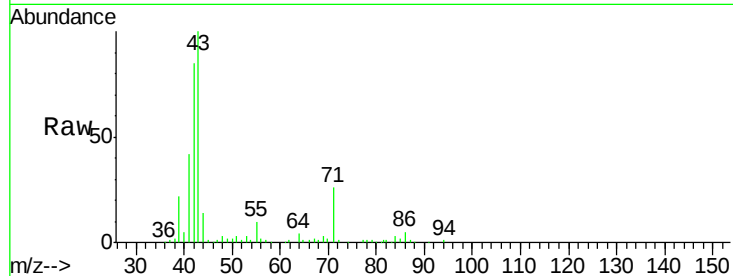




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

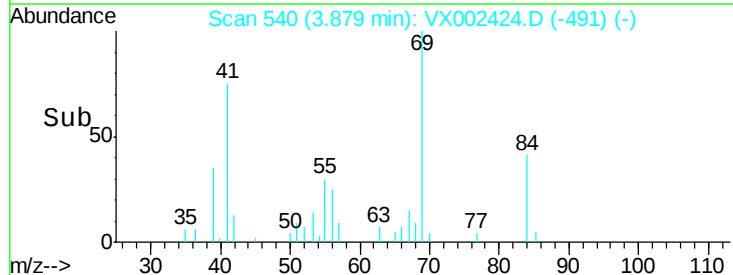
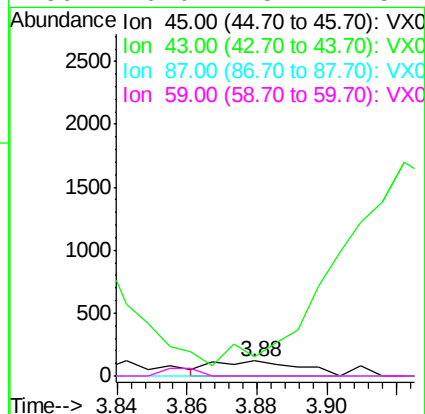
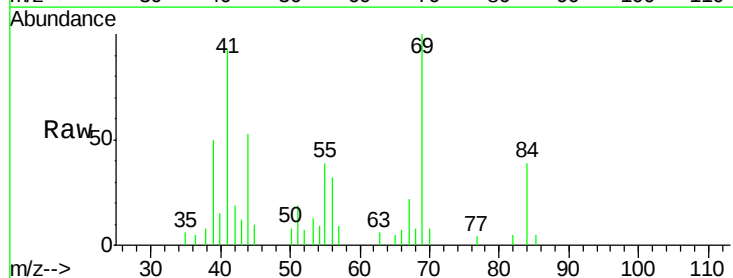
Instrument :
MSVOA_X
ClientSampled :

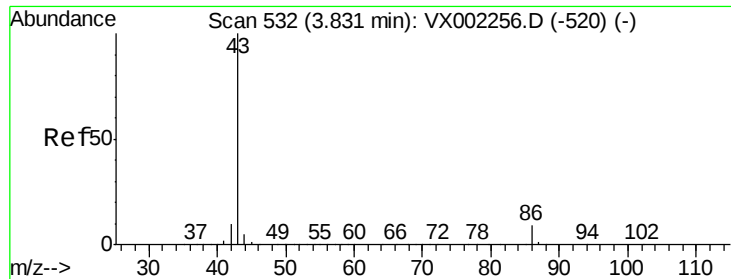
Tot Ion: 84 Resp: 1208
Ion Ratio Lower Upper
84 100
49 99.5 107.8 161.6#
51 89.9 32.8 49.2#
86 204.0 52.5 78.7#



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion: 45 Resp: 203
Ion Ratio Lower Upper
45 100
43 0.0 46.8 70.2#
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#





#23

Vinyl Acetate

Concen: 0.61 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

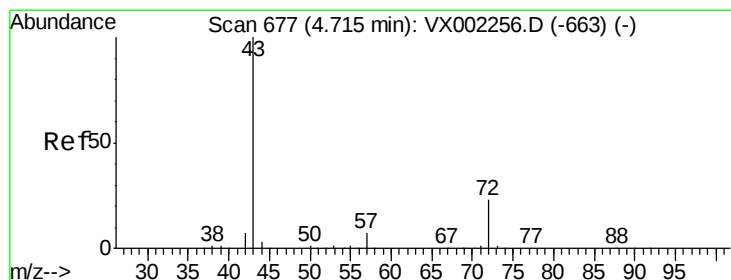
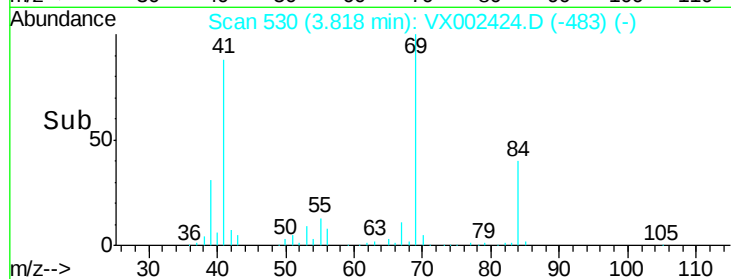
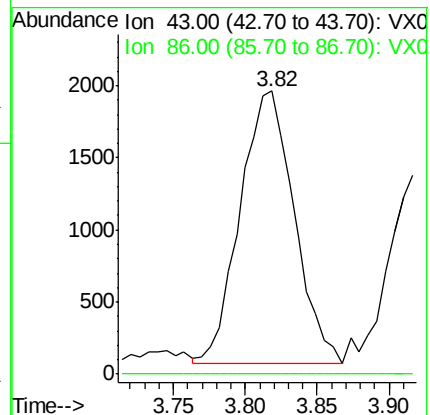
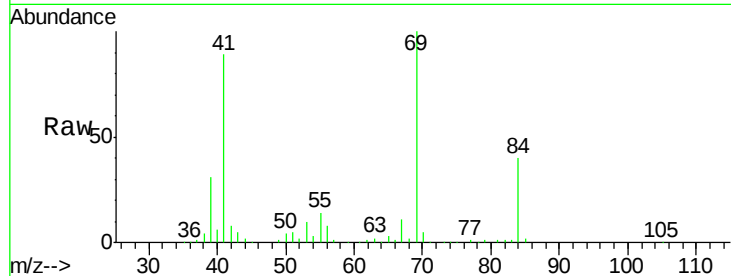
ClientSampled :

Tot Ion: 43 Resp: 4901

Ion Ratio Lower Upper

43 100

86 0.0 7.4 11.0#



#25

2-Butanone

Concen: 5.79 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002424.D

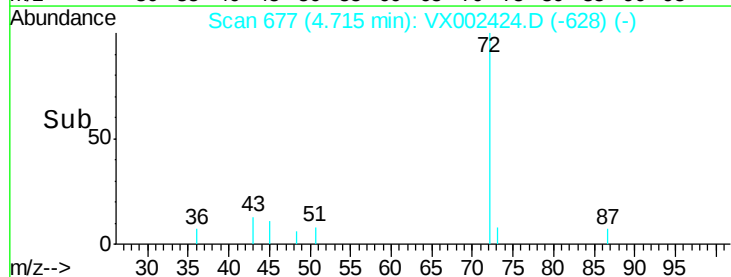
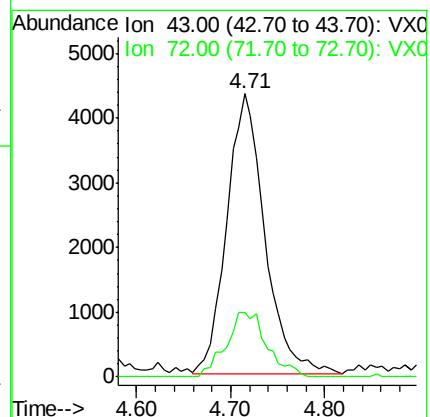
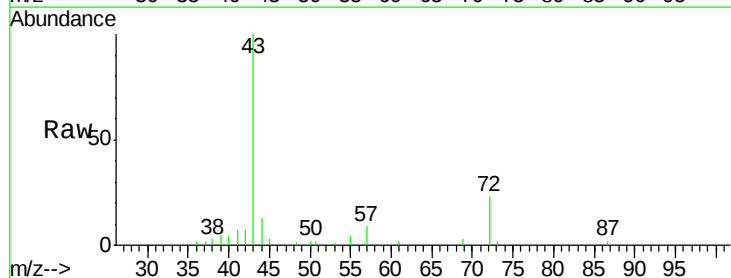
Acq: 09 Jun 2018 16:36

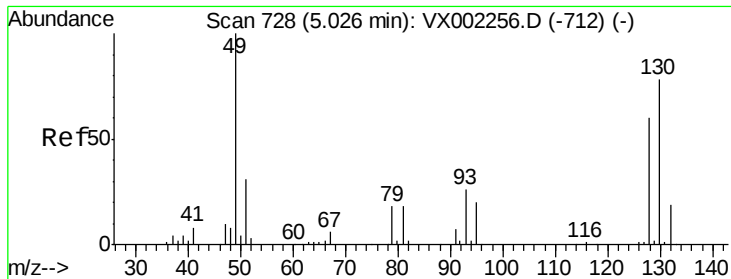
Tgt Ion: 43 Resp: 12115

Ion Ratio Lower Upper

43 100

72 23.0 18.5 27.7





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 725

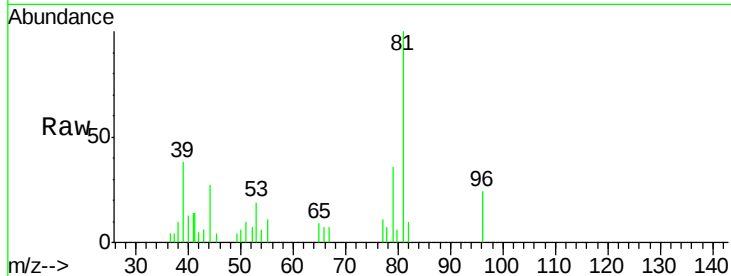
Delta R.T. -0.02 min

Lab File: VX002424.D

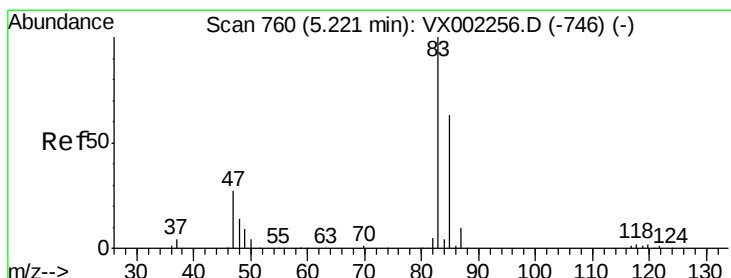
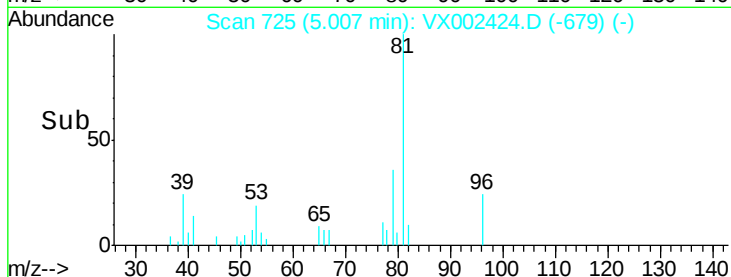
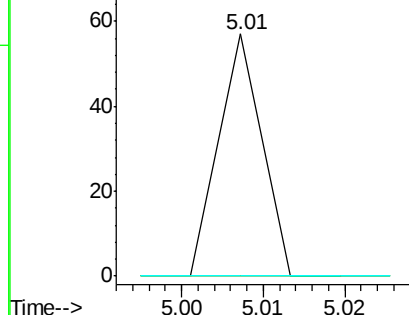
Acq: 09 Jun 2018 16:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 21
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 61.2 91.8#



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



#30

Chloroform

Concen: 1.19 ug/l

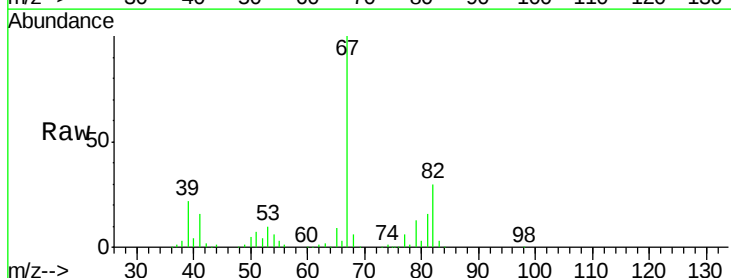
RT: 5.30 min Scan# 773

Delta R.T. 0.08 min

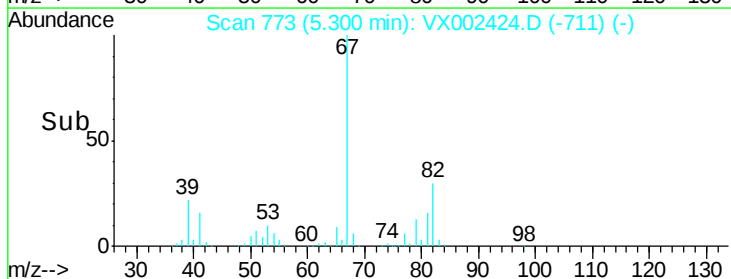
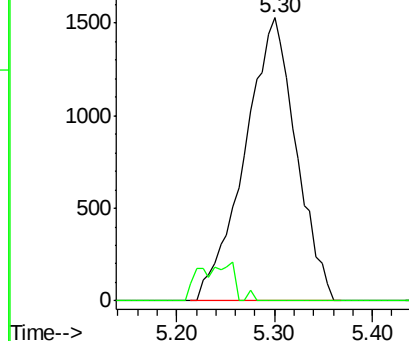
Lab File: VX002424.D

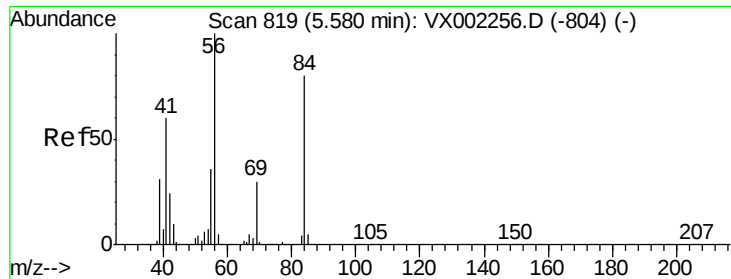
Acq: 09 Jun 2018 16:36

Tgt Ion: 83 Resp: 5586
Ion Ratio Lower Upper
83 100
85 0.0 50.4 75.6#



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





#31

Cyclohexane

Concen: 13.92 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :
MSVOA_X
ClientSampled :

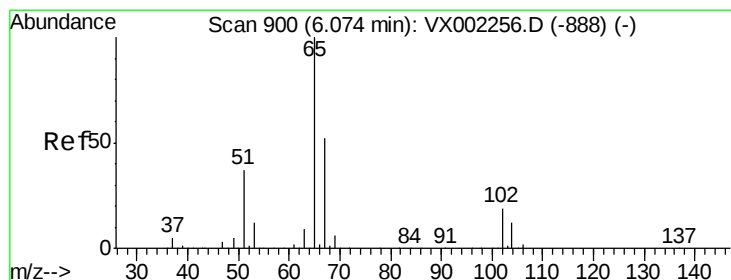
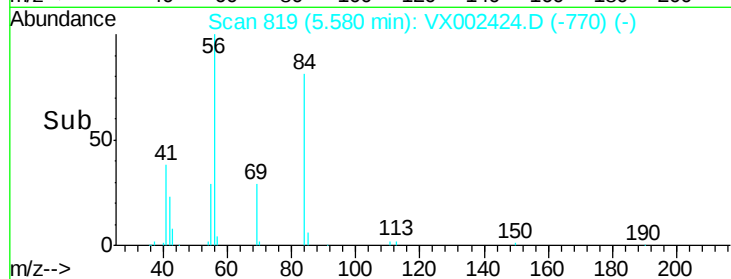
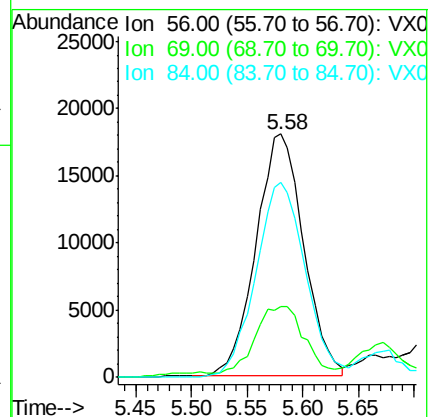
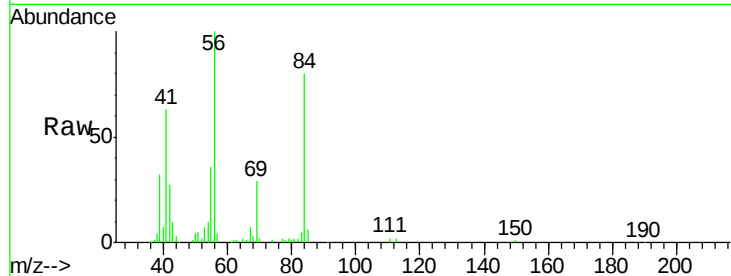
Tot Ion: 56 Resp: 53659

Ion Ratio Lower Upper

56 100

69 27.1 23.7 35.5

84 80.5 64.1 96.1



#33

1,2-Dichloroethane-d4

Concen: 47.04 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002424.D

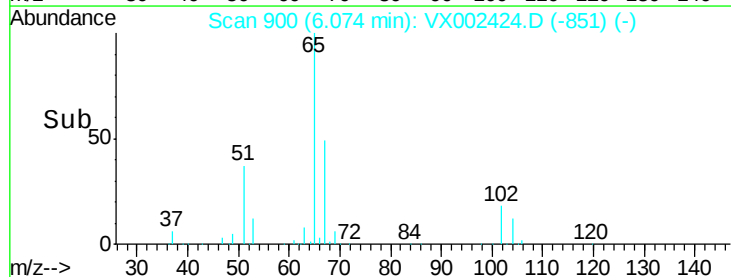
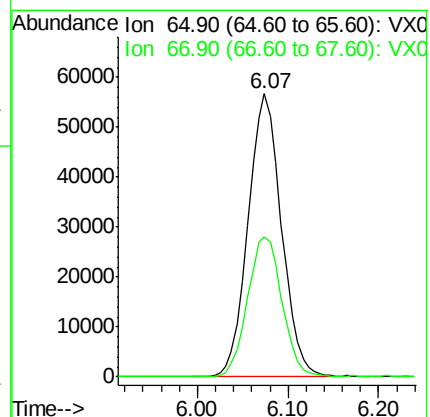
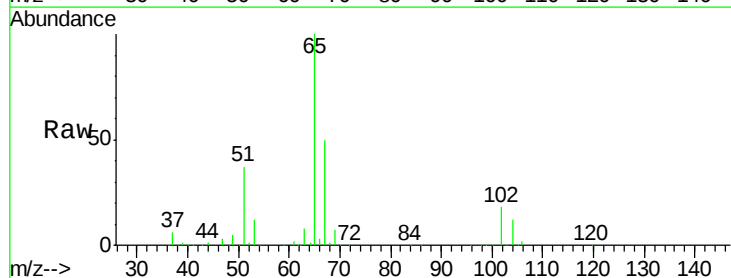
Acq: 09 Jun 2018 16:36

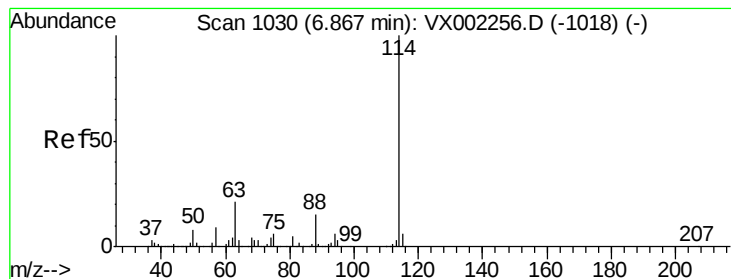
Tgt Ion: 65 Resp: 144199

Ion Ratio Lower Upper

65 100

67 51.3 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: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :
MSVOA_X
ClientSampleId :

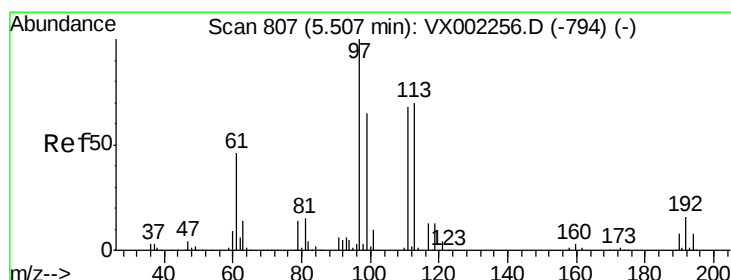
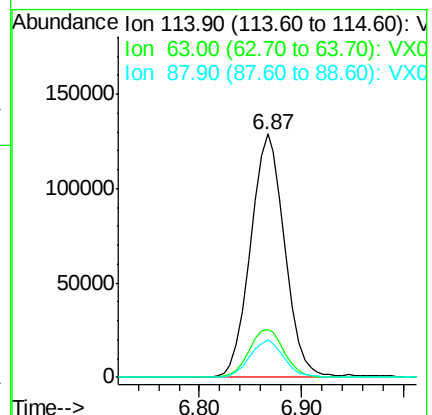
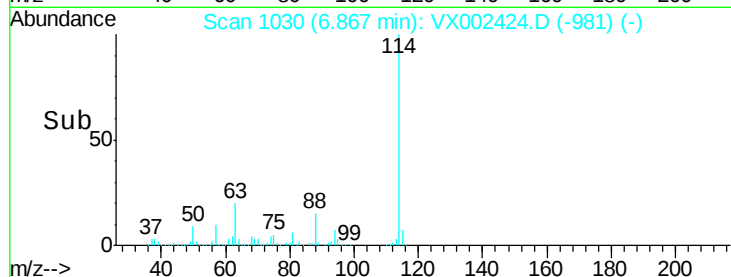
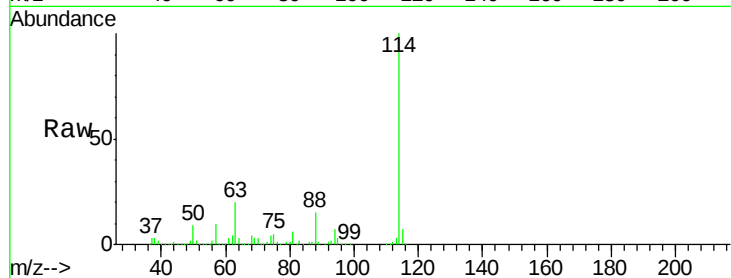
Tot Ion:114 Resp: 300458

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

88 15.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 46.40 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

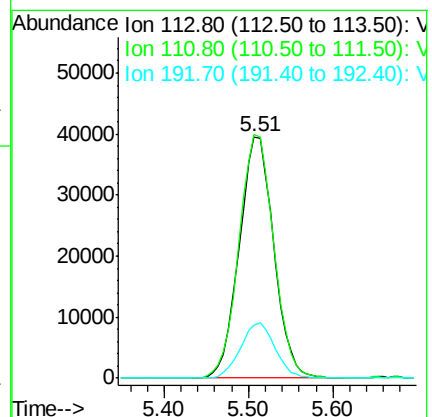
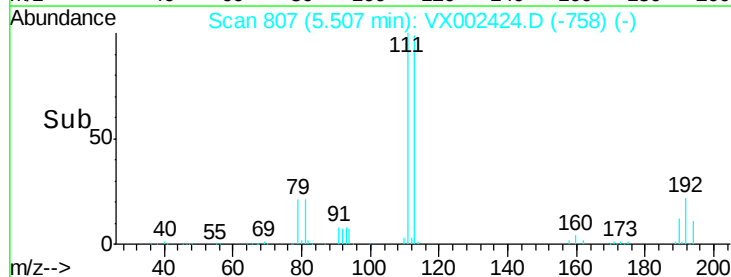
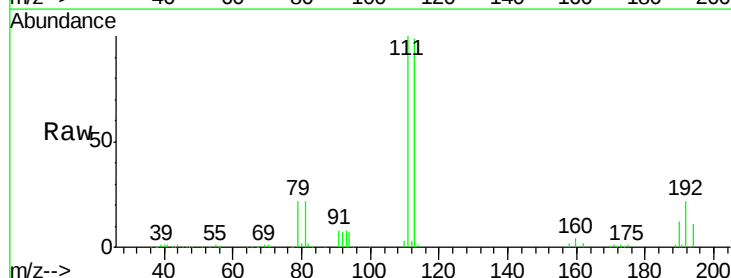
Tgt Ion:113 Resp: 109645

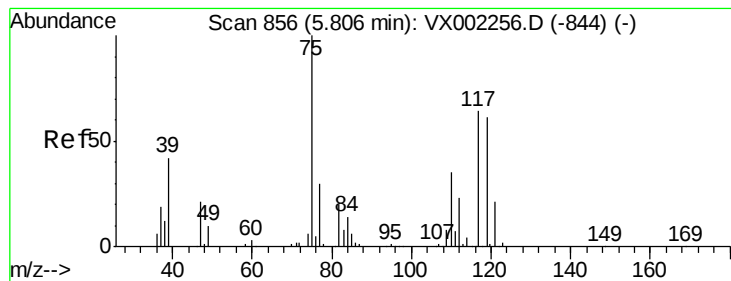
Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 22.7 19.1 28.7





#36

1,1-Dichloropropene

Concen: 4.81 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

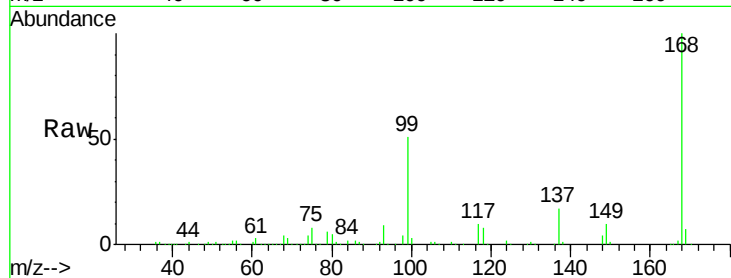
Tot Ion: 75 Resp: 15189

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.4#

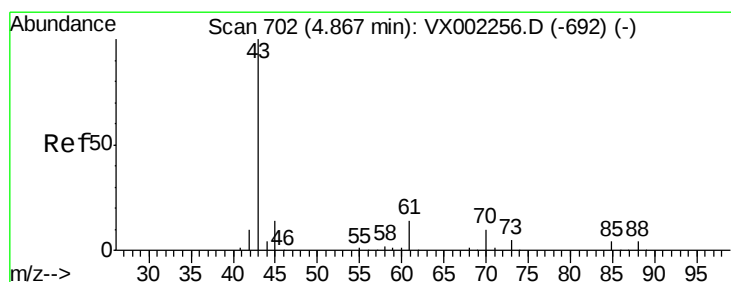
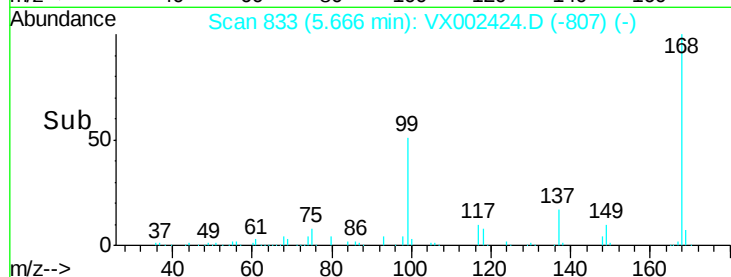
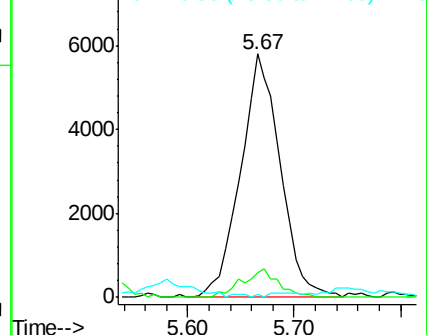
77 1.1 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 3.19 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.15 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

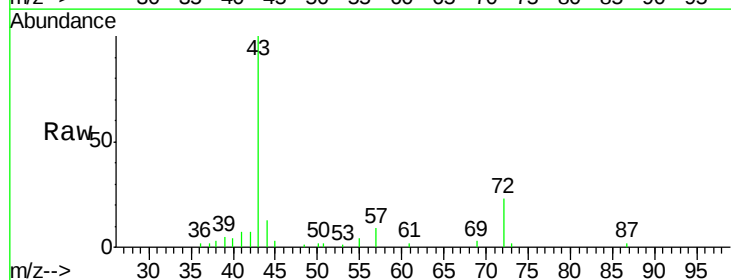
Tgt Ion: 43 Resp: 12115

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

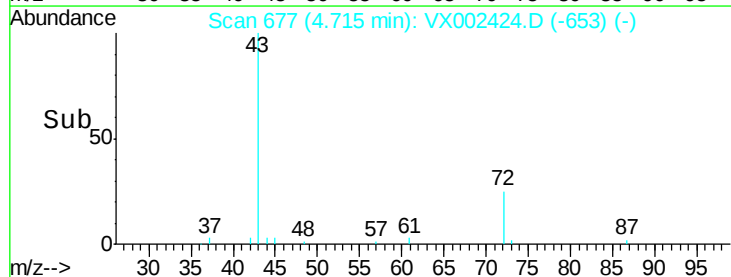
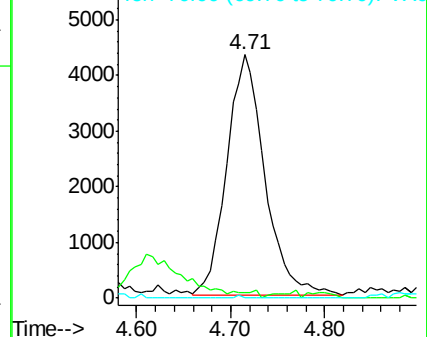
70 0.2 7.6 11.4#

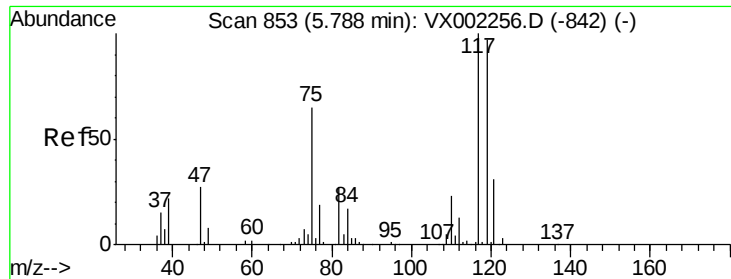


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

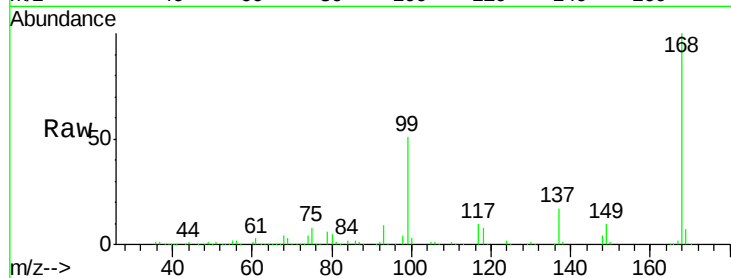




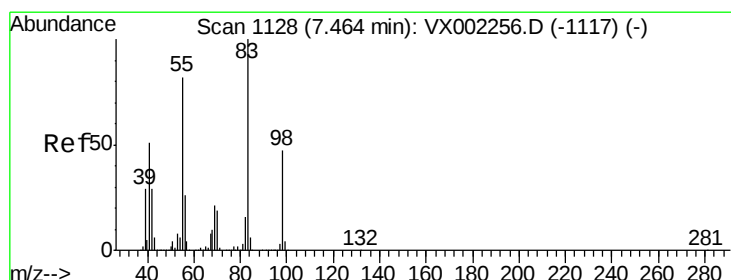
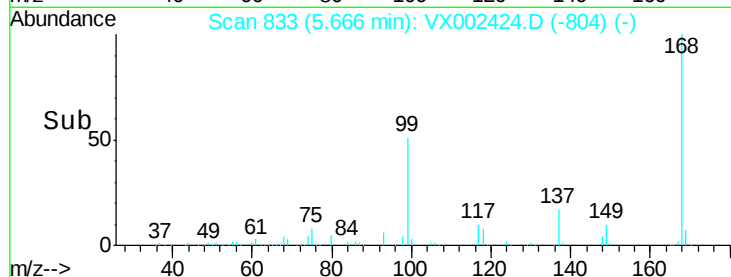
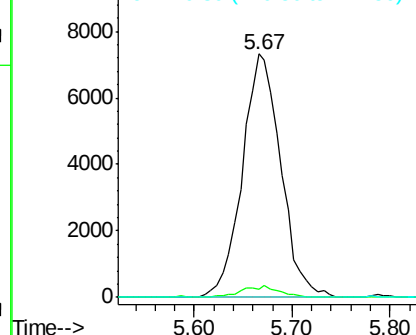
#38
Carbon Tetrachloride
Concen: 6.06 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 20010
Ion Ratio Lower Upper
117 100
119 3.1 77.4 116.0#
121 0.0 24.4 36.6#

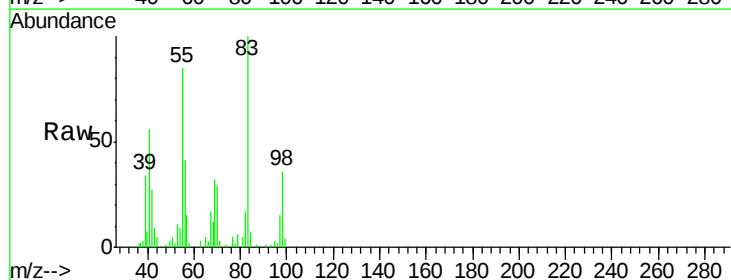


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

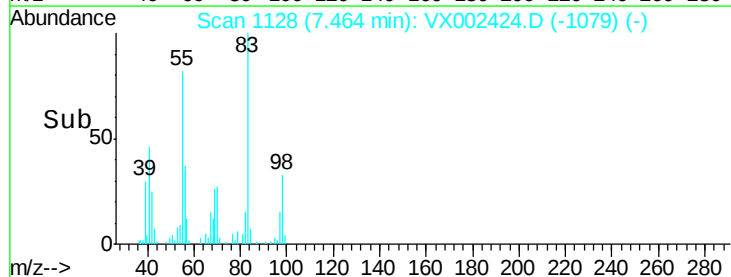
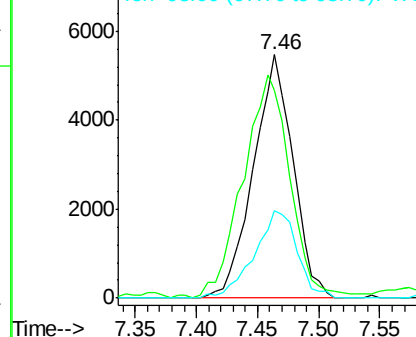


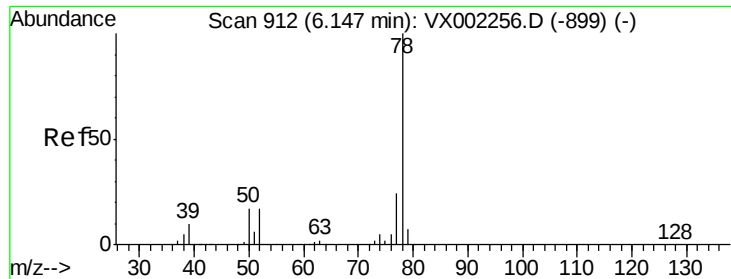
#39
Methylcyclohexane
Concen: 3.40 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion: 83 Resp: 12312
Ion Ratio Lower Upper
83 100
55 85.2 65.4 98.0
98 35.9 37.4 56.0#



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

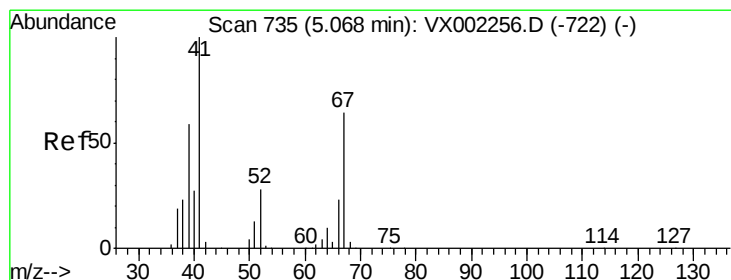
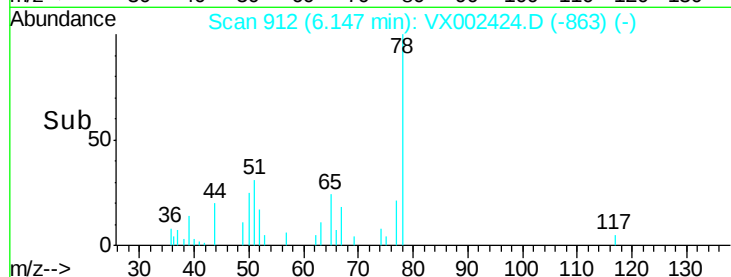
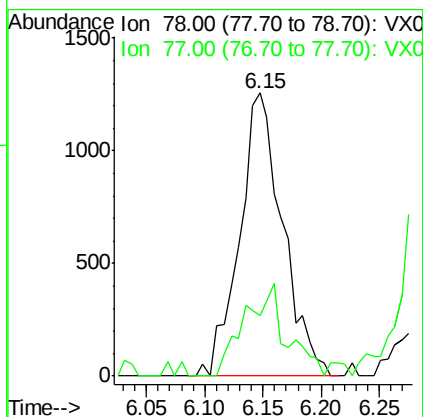
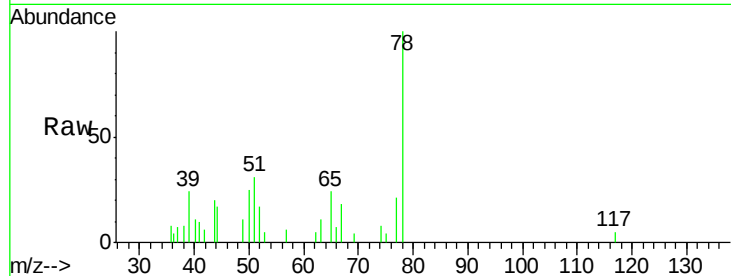




#40
Benzene
Concen: 0.33 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

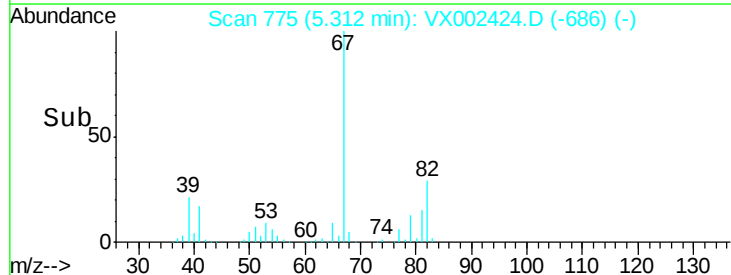
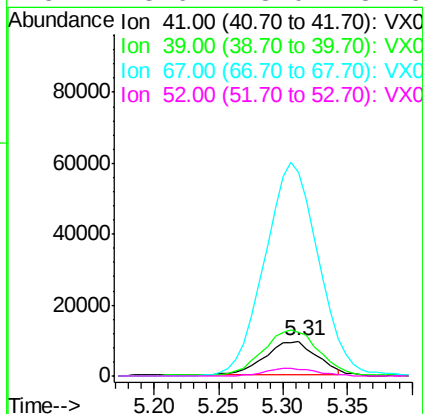
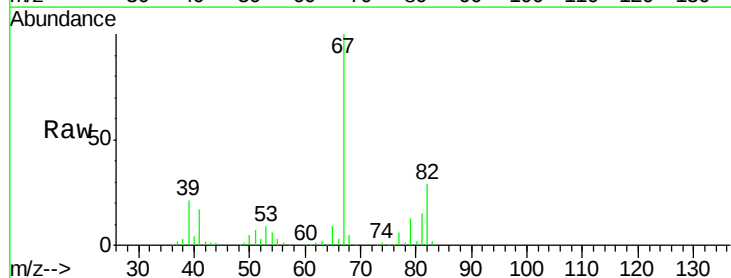
Instrument :
MSVOA_X
ClientSampled :

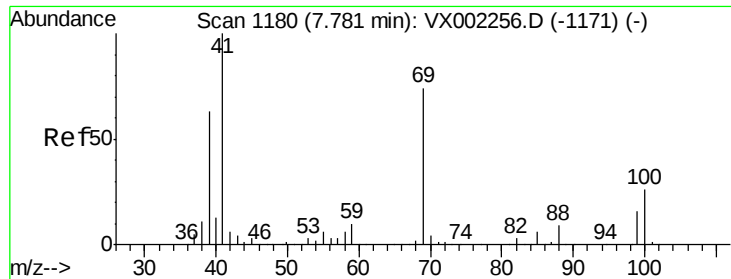
Tot Ion: 78 Resp: 3219
Ion Ratio Lower Upper
78 100
77 21.3 19.1 28.7



#41
Methacrylonitrile
Concen: 12.17 ug/l
RT: 5.31 min Scan# 775
Delta R.T. 0.24 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion: 41 Resp: 26471
Ion Ratio Lower Upper
41 100
39 138.0 45.8 68.6#
67 638.3 51.3 76.9#
52 23.6 23.0 34.6

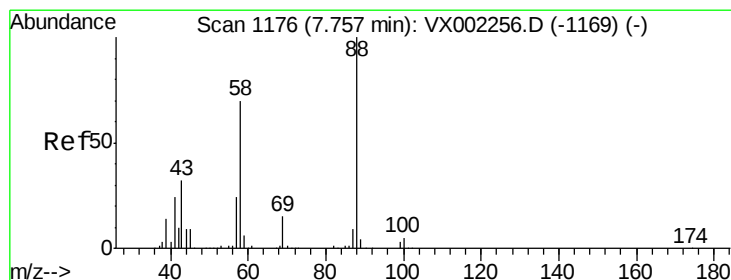
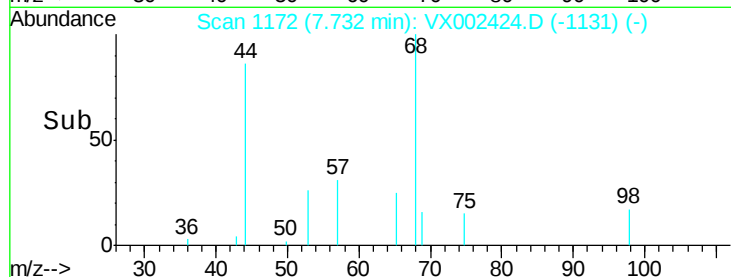
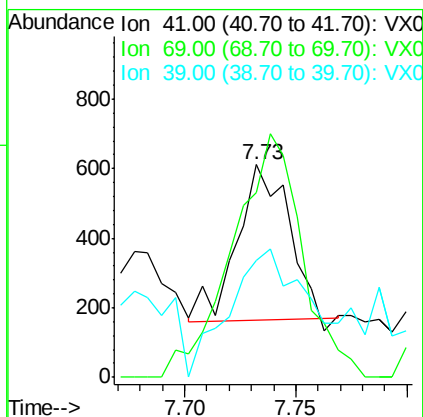
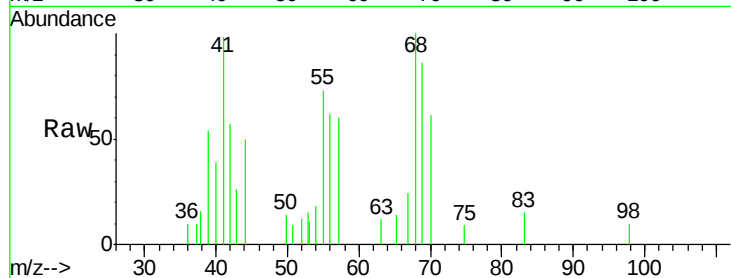




#48
Methvl methacrylate
Concen: 0.22 ug/l
RT: 7.73 min Scan# 1172
Delta R.T. -0.05 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

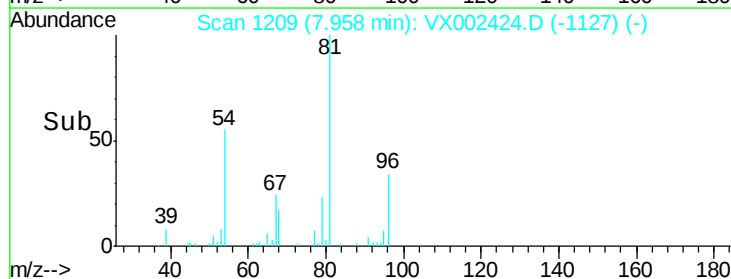
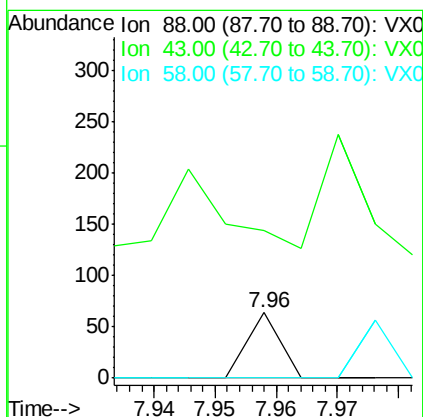
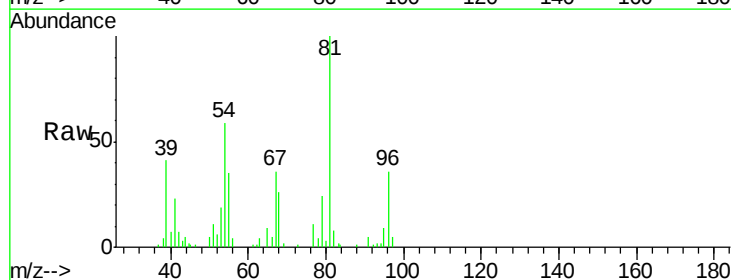
Instrument :
MSVOA_X
ClientSampleId :

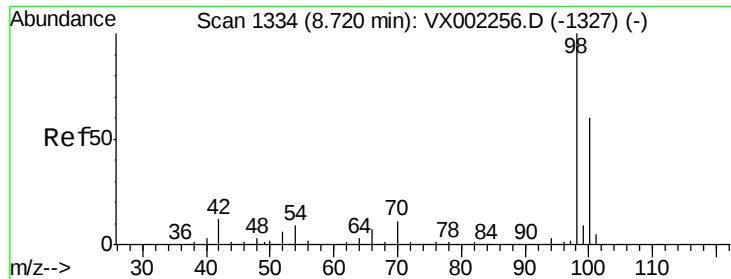
Tot Ion: 41 Resp: 725
Ion Ratio Lower Upper
41 100
69 209.7 59.1 88.7#
39 126.5 48.9 73.3#



#49
1,4-Dioxane
Concen: 0.38 ug/l
RT: 7.96 min Scan# 1209
Delta R.T. 0.20 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.6#
58 91.3 57.1 85.7#

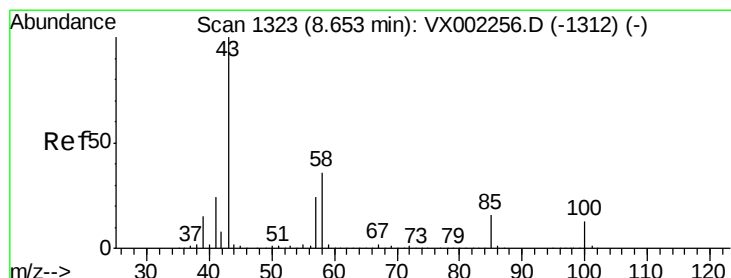
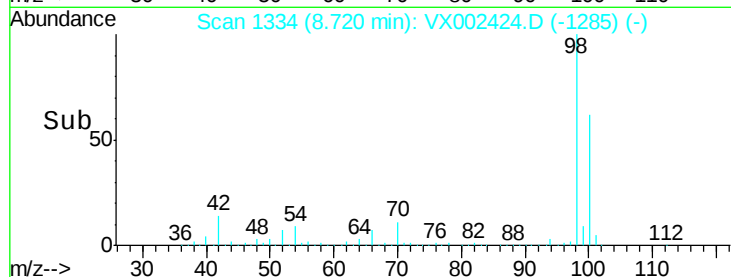
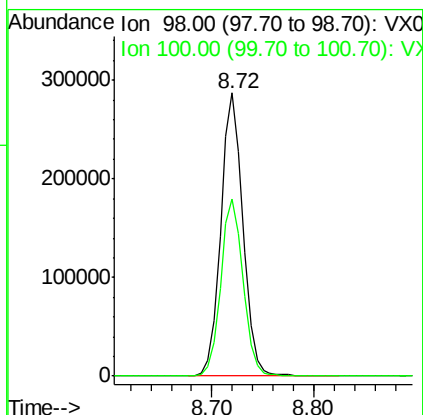
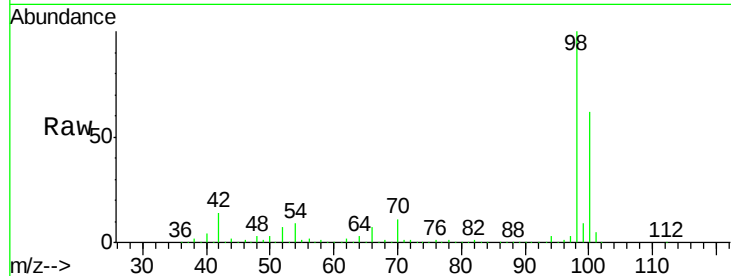




#50
Toluene-d8
Concen: 47.68 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

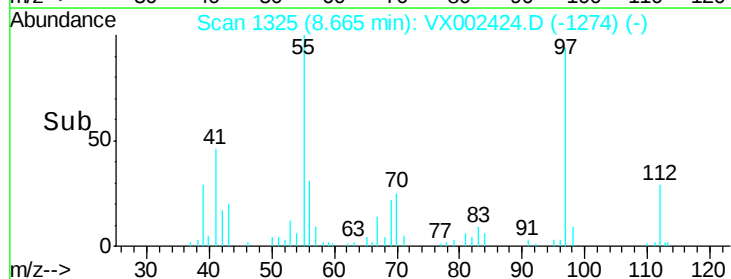
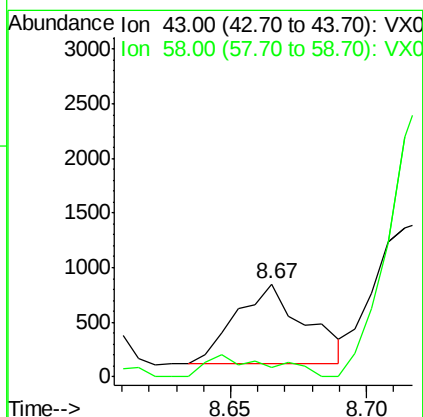
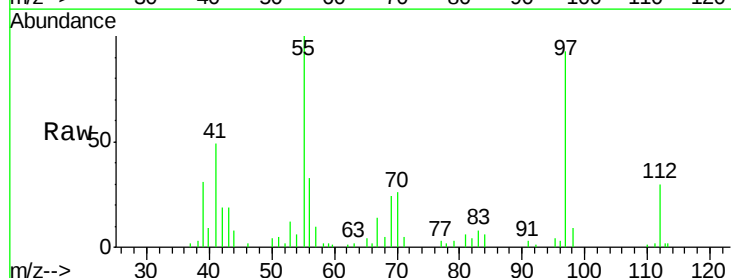
Instrument :
MSVOA_X
ClientSampleId :

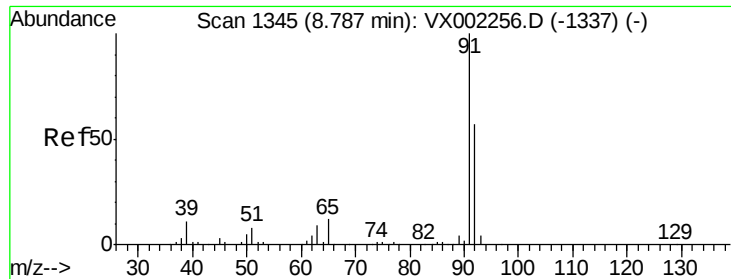
Tot Ion: 98 Resp: 431794
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.32 ug/l
RT: 8.67 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion: 43 Resp: 1278
Ion Ratio Lower Upper
43 100
58 25.8 28.6 42.8#





#52

Toluene

Concen: 16.59 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

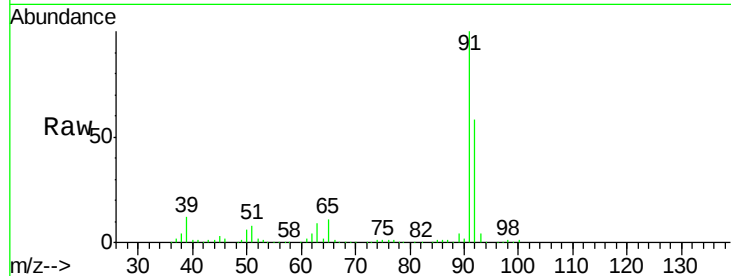
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 92 Resp: 102207

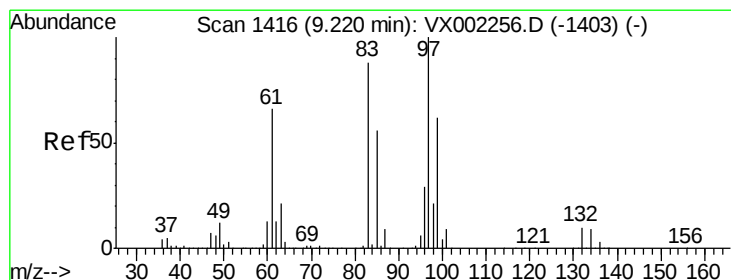
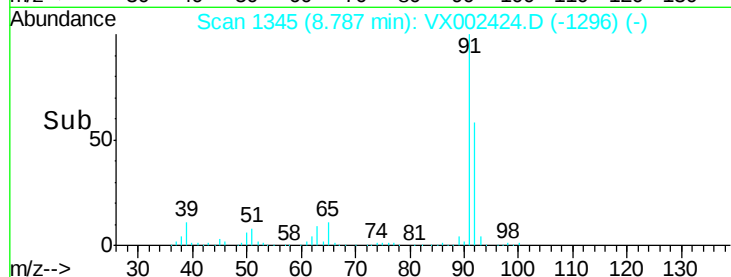
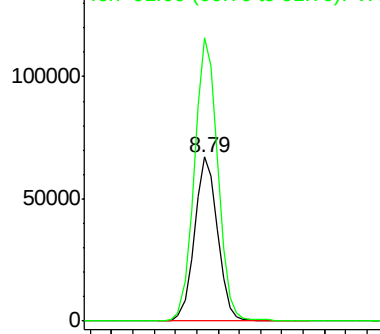
Ion Ratio Lower Upper

92 100

91 174.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.25 ug/l

RT: 9.27 min Scan# 1424

Delta R.T. 0.05 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Tgt Ion: 97 Resp: 642

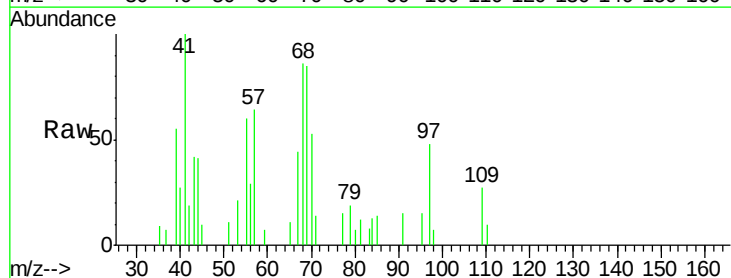
Ion Ratio Lower Upper

97 100

83 0.6 70.2 105.2#

85 29.1 44.9 67.3#

99 0.0 49.8 74.8#

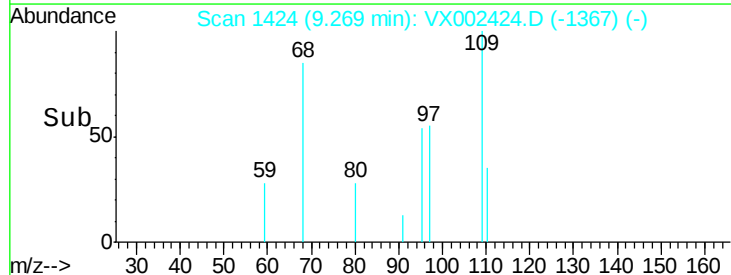
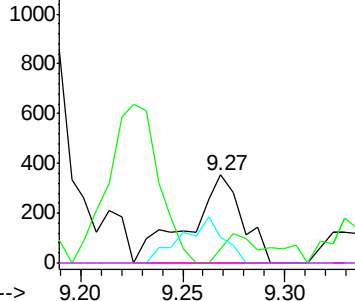


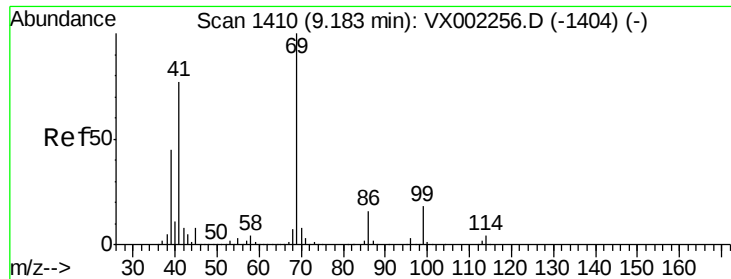
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

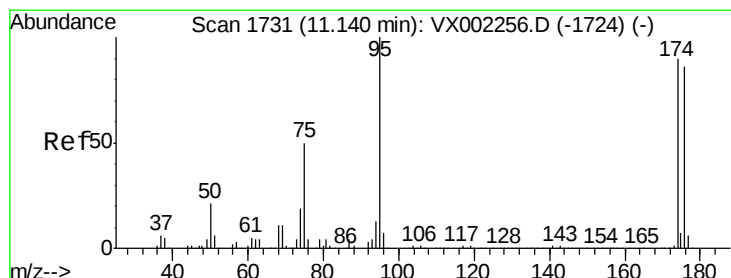
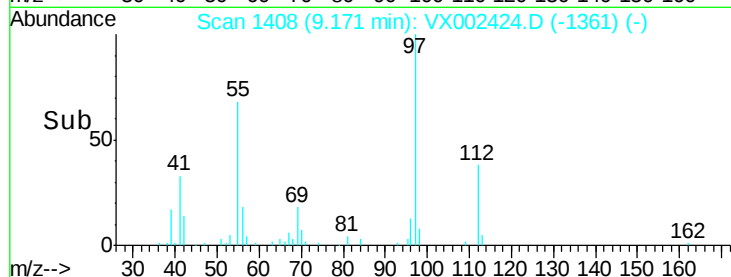
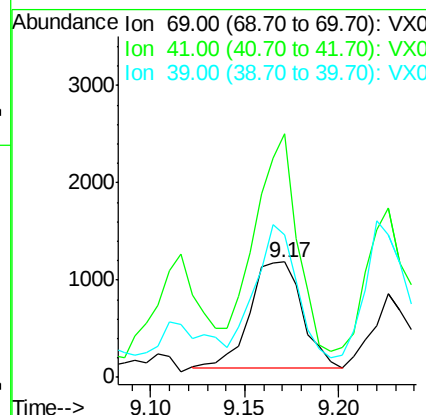
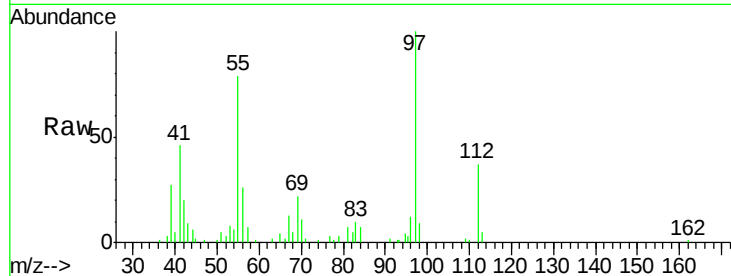




#56
Ethyl methacrylate
Concen: 0.52 ug/l
RT: 9.17 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

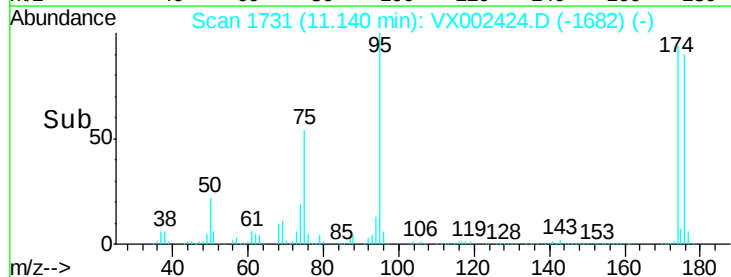
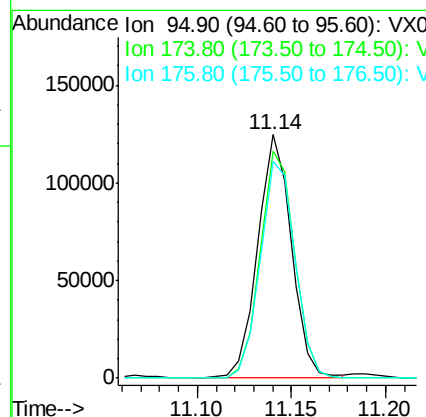
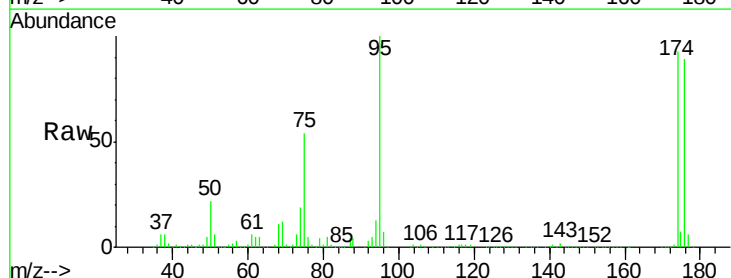
Instrument :
MSVOA_X
ClientSampleId :

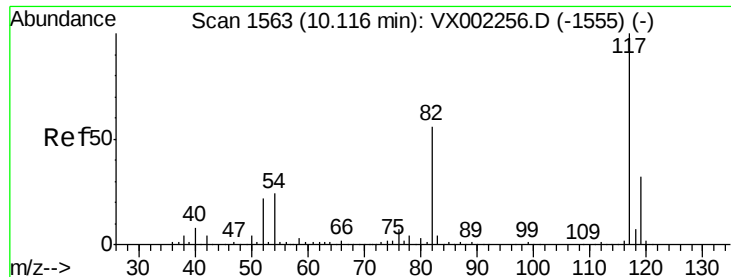
Tot Ion: 69 Resp: 2094
Ion Ratio Lower Upper
69 100
41 165.8 60.3 90.5#
39 98.4 35.8 53.8#



#62
4-Bromofluorobenzene
Concen: 43.93 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion: 95 Resp: 153402
Ion Ratio Lower Upper
95 100
174 95.6 0.0 187.4
176 92.3 0.0 181.0

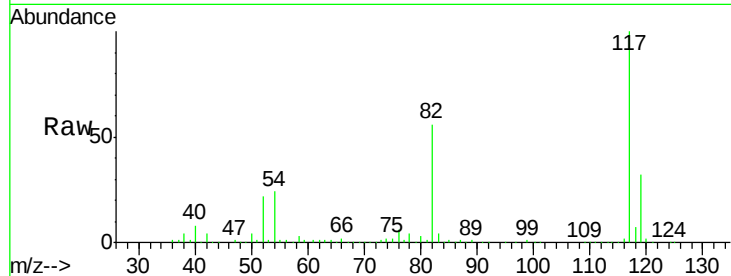




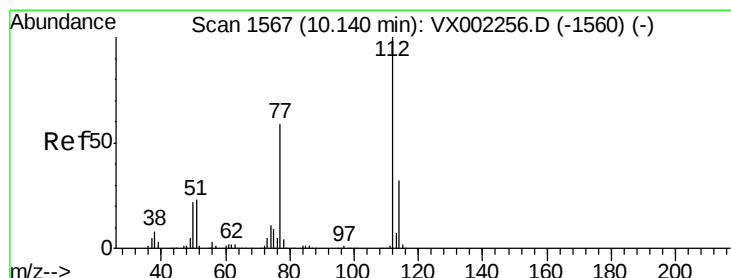
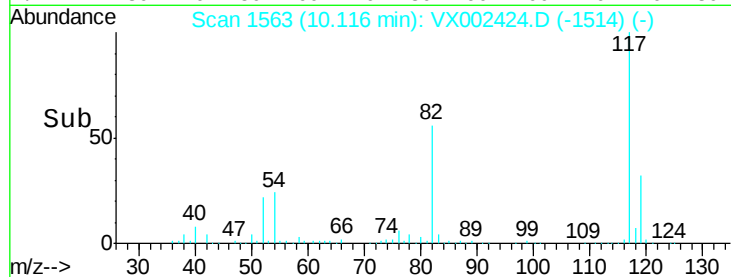
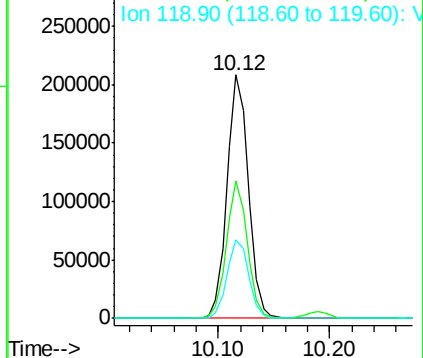
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 276603
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.4
119 32.1 25.8 38.6

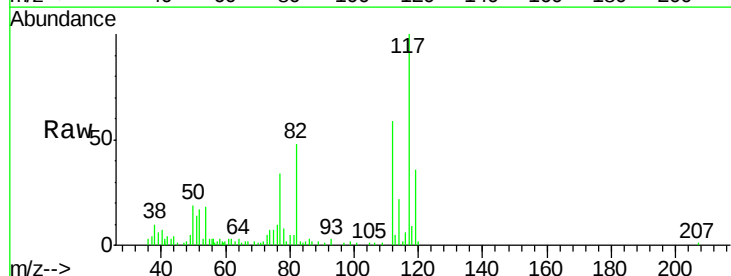


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

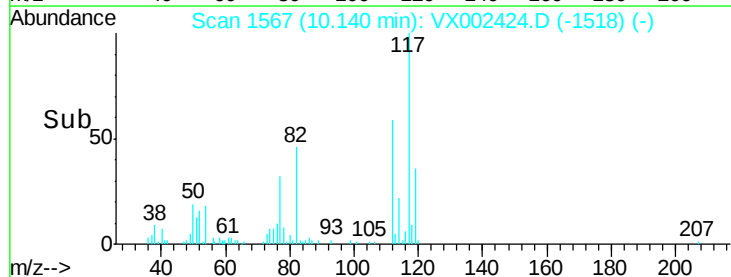
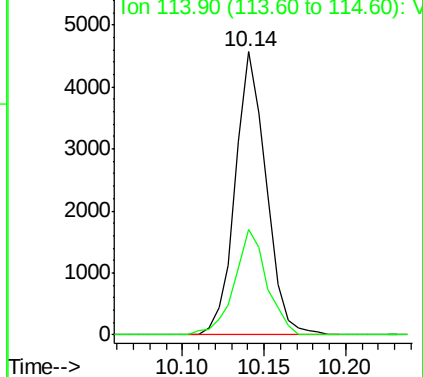


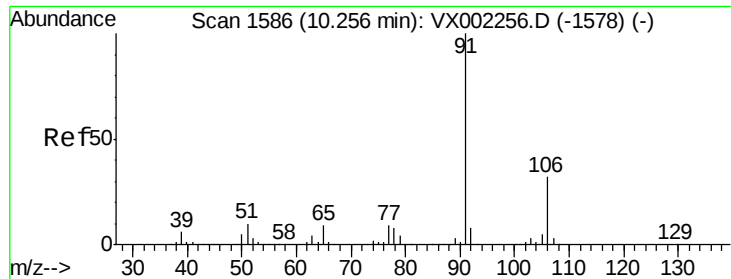
#65
Chlorobenzene
Concen: 0.88 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion:112 Resp: 6026
Ion Ratio Lower Upper
112 100
114 37.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 3.28 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

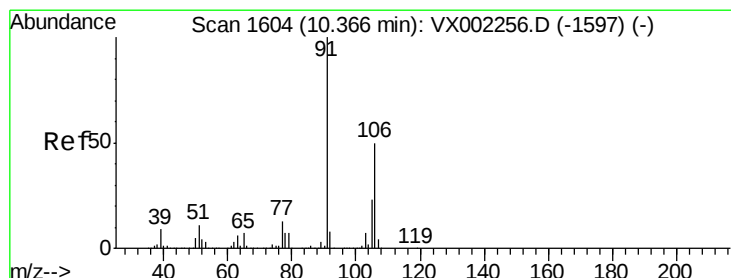
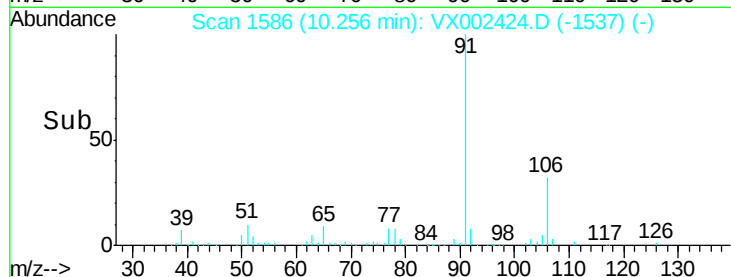
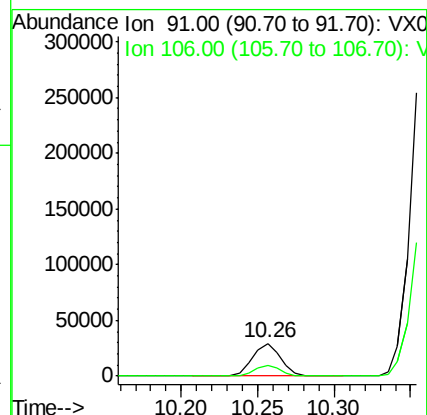
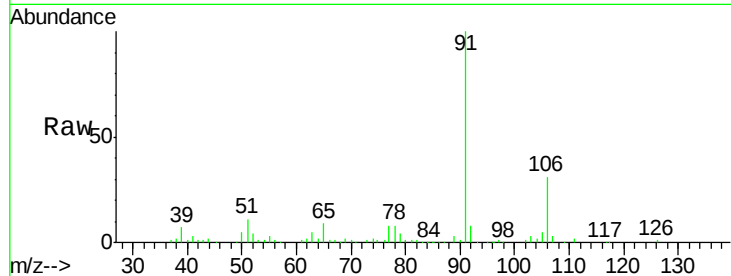
ClientSampleId :

Tot Ion: 91 Resp: 37790

Ion Ratio Lower Upper

91 100

106 31.6 25.5 38.3



#68

m/p-Xylenes

Concen: 56.43 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002424.D

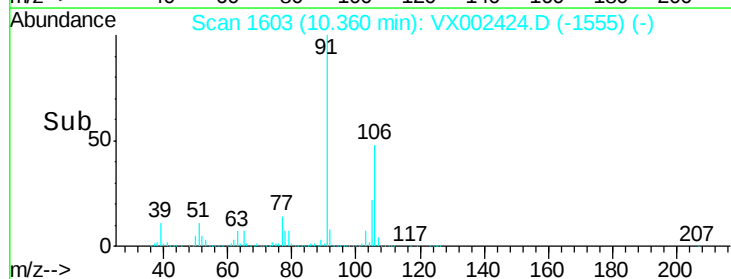
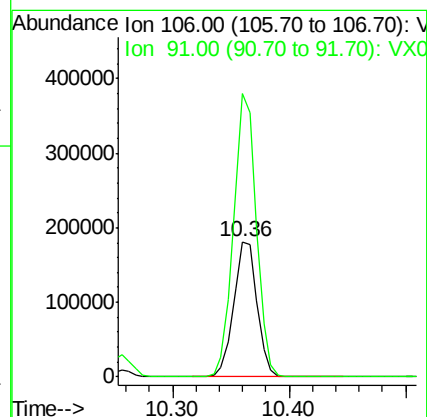
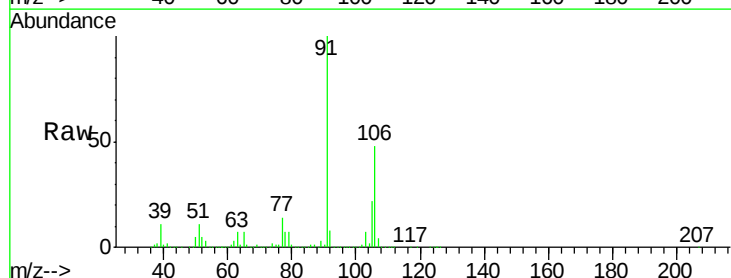
Acq: 09 Jun 2018 16:36

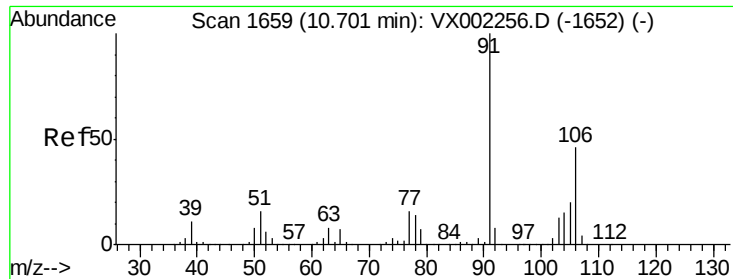
Tgt Ion: 106 Resp: 252646

Ion Ratio Lower Upper

106 100

91 205.0 163.4 245.2

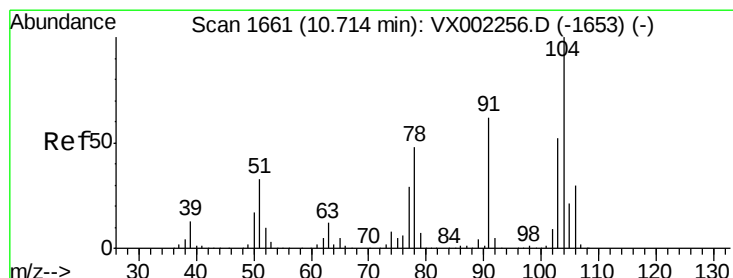
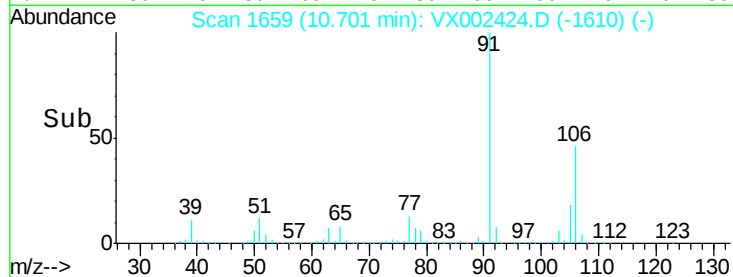
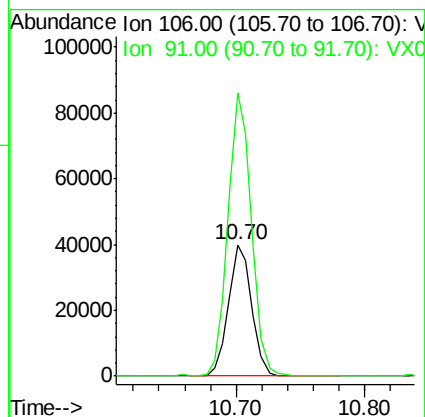
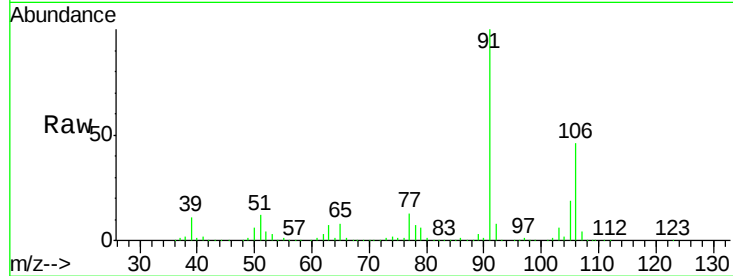




#69
o-Xylene
Concen: 11.39 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

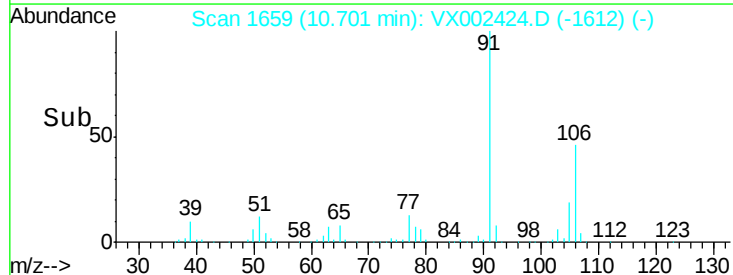
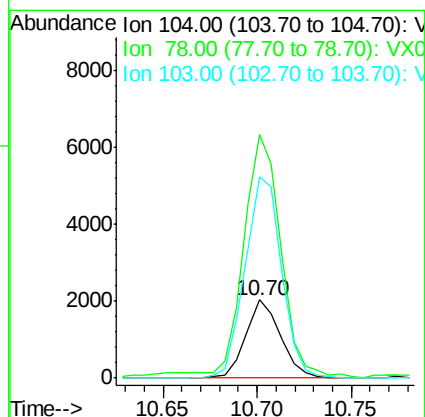
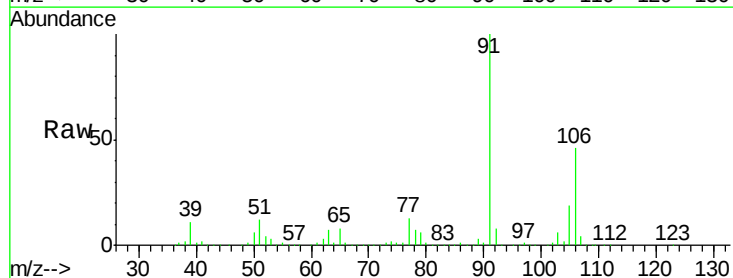
Instrument :
MSVOA_X
ClientSampled :

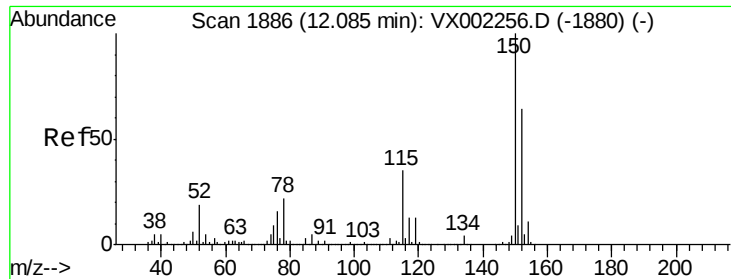
Tot Ion:106 Resp: 50761
Ion Ratio Lower Upper
106 100
91 218.4 108.2 324.6



#70
Styrene
Concen: 0.36 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion:104 Resp: 2629
Ion Ratio Lower Upper
104 100
78 341.8 41.0 61.6#
103 268.4 44.2 66.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

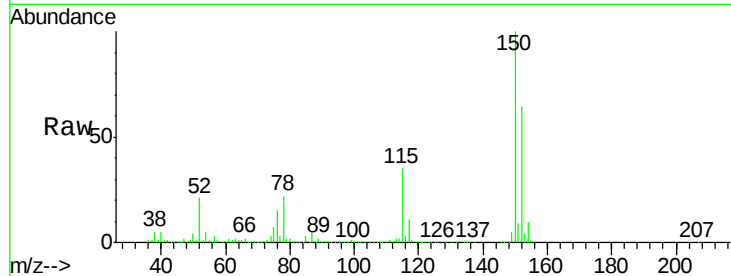
Tot Ion:152 Resp: 164296

Ion Ratio Lower Upper

152 100

115 55.4 40.1 120.2

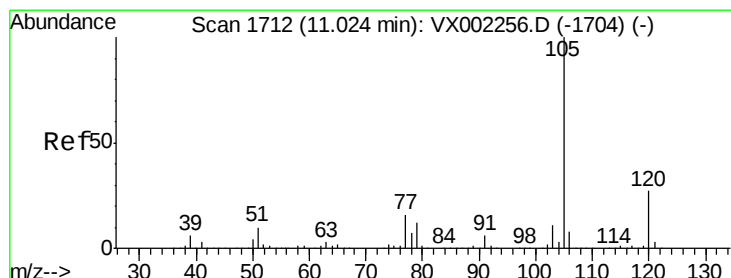
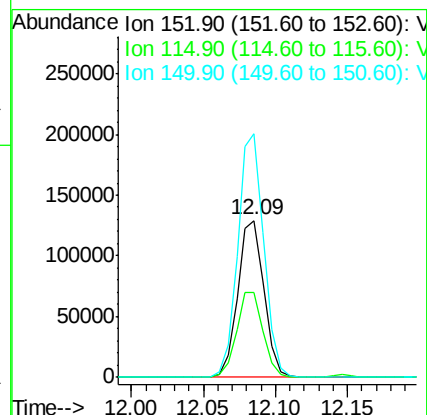
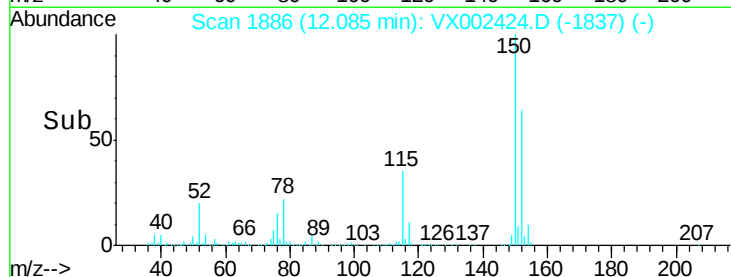
150 153.8 0.0 347.2



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: 12.33 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002424.D

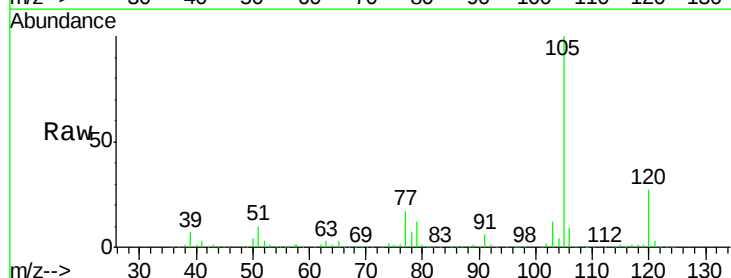
Acq: 09 Jun 2018 16:36

Tgt Ion:105 Resp: 140917

Ion Ratio Lower Upper

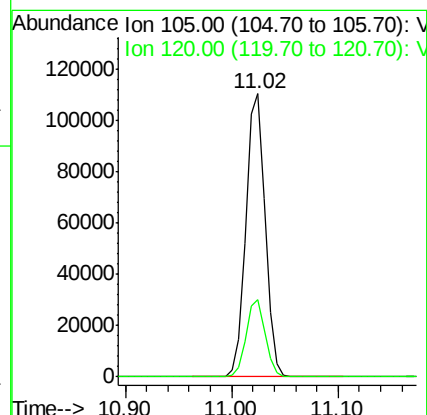
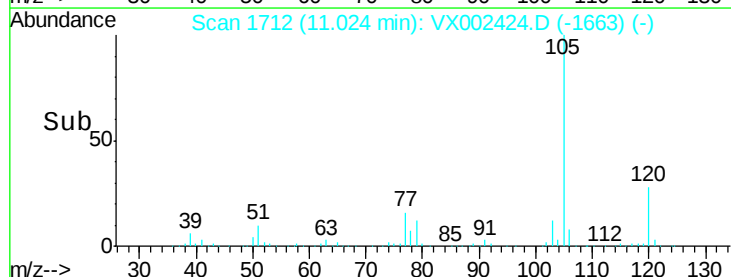
105 100

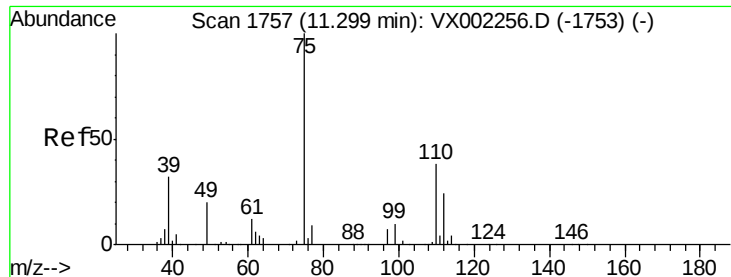
120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

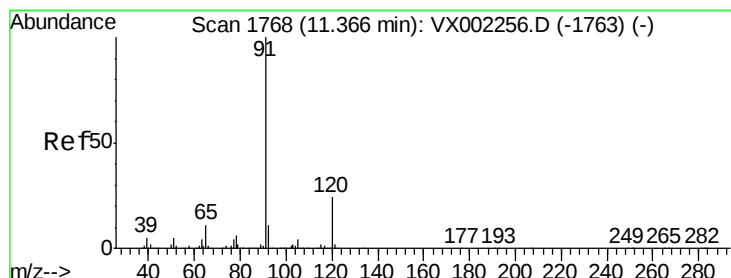
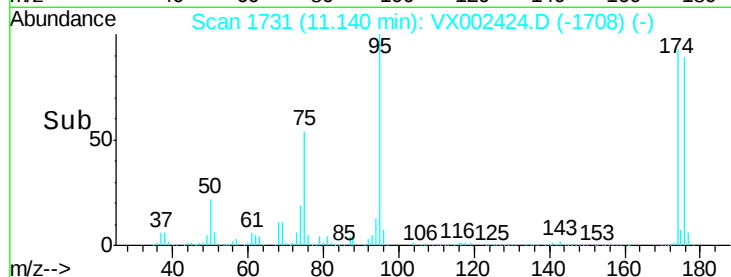
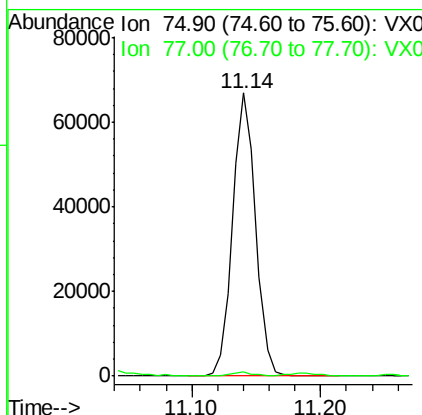
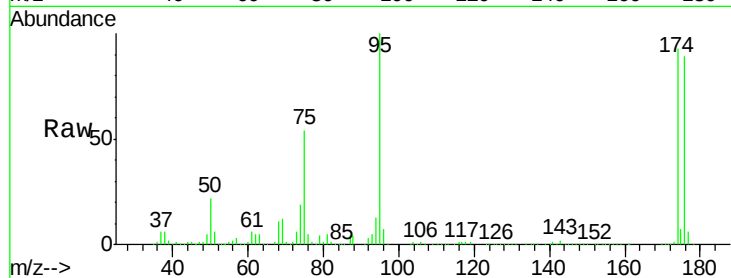




#76
 1,2,3-Trichloropropane
 Concen: 23.15 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002424.D
 Acq: 09 Jun 2018 16:36

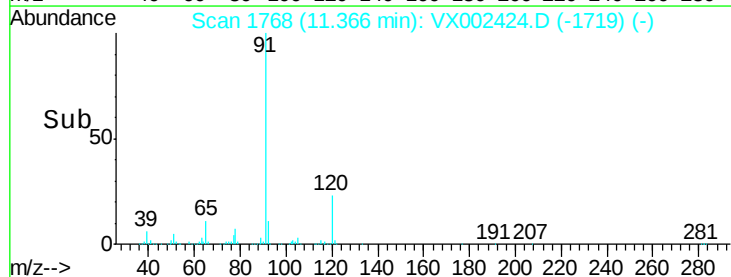
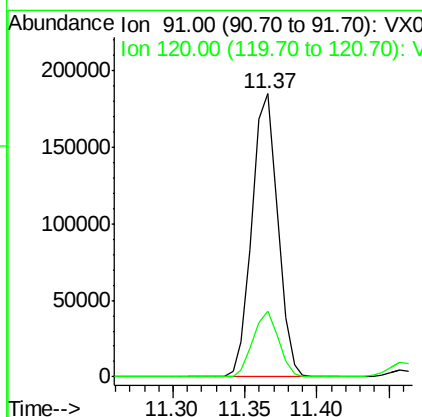
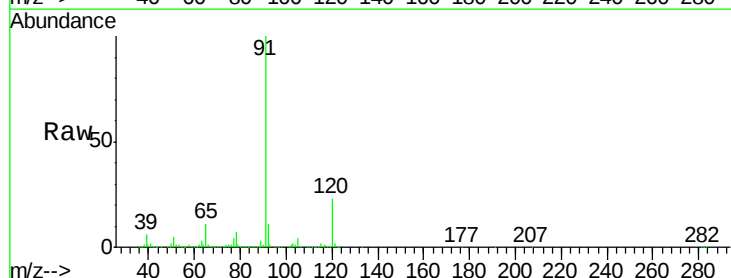
Instrument :
 MSVOA_X
 ClientSampleId :

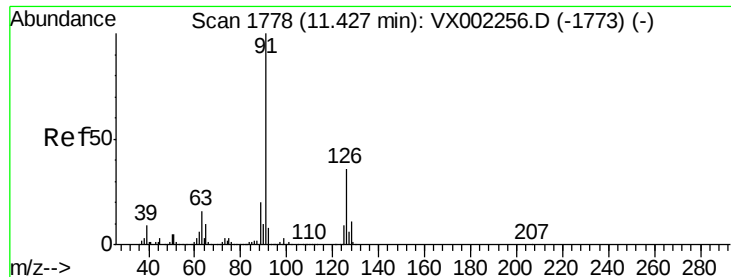
Tot Ion: 75 Resp: 83472
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.8 68.3#



#78
 n-propylbenzene
 Concen: 17.97 ug/l
 RT: 11.37 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VX002424.D
 Acq: 09 Jun 2018 16:36

Tgt Ion: 91 Resp: 228229
 Ion Ratio Lower Upper
 91 100
 120 23.0 11.8 35.4





#79

2-Chlorotoluene

Concen: 28.45 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.06 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

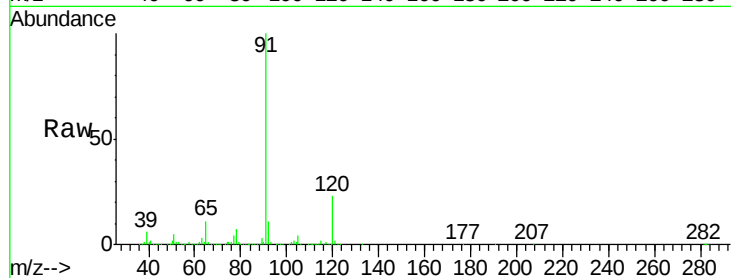
ClientSampled :

Tot Ion: 91 Resp: 228229

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.37

200000

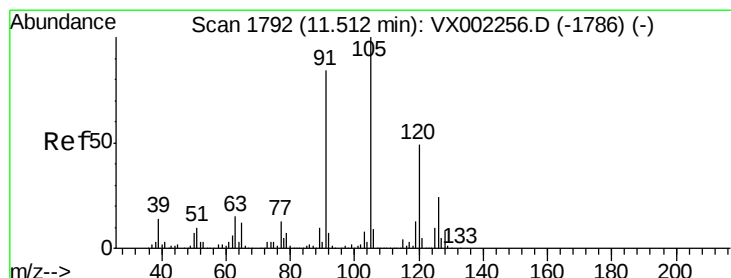
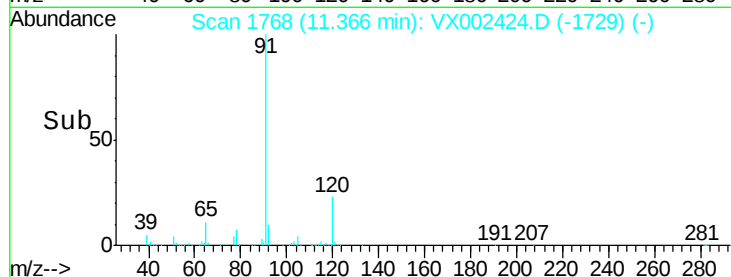
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.09 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. -0.05 min

Lab File: VX002424.D

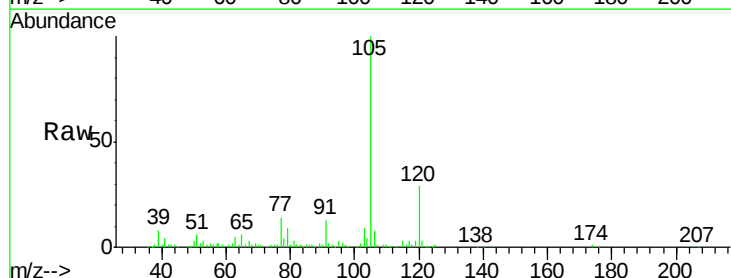
Acq: 09 Jun 2018 16:36

Tgt Ion:105 Resp: 40069

Ion Ratio Lower Upper

105 100

120 30.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.46

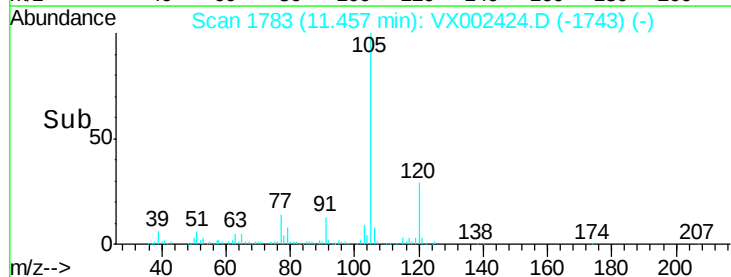
30000

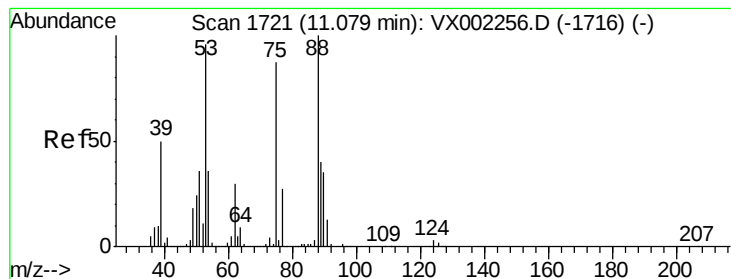
20000

10000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 81.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

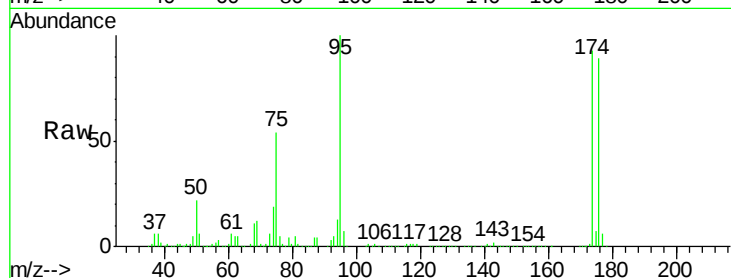
Tot Ion: 75 Resp: 83472

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

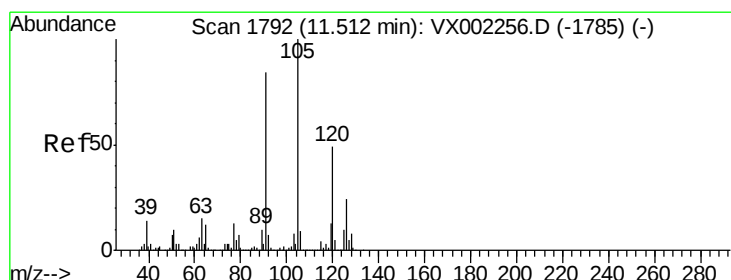
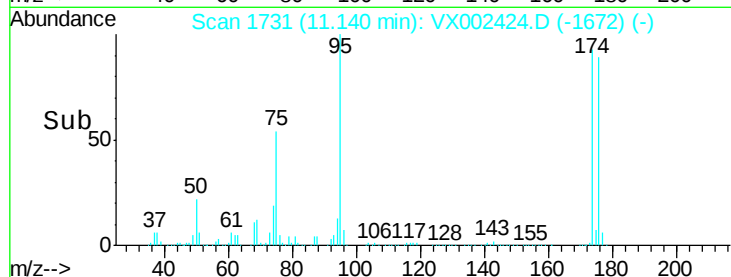
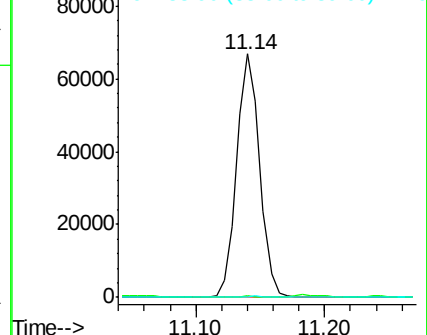
89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 24.65 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.15 min

Lab File: VX002424.D

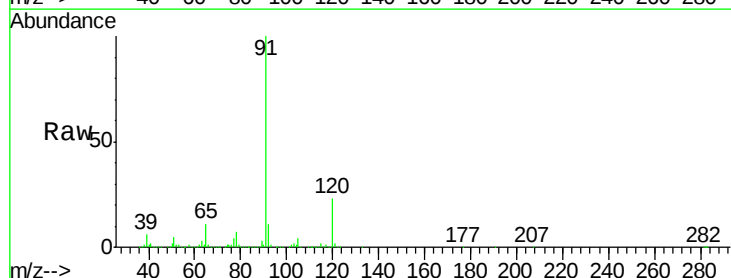
Acq: 09 Jun 2018 16:36

Tgt Ion: 91 Resp: 228229

Ion Ratio Lower Upper

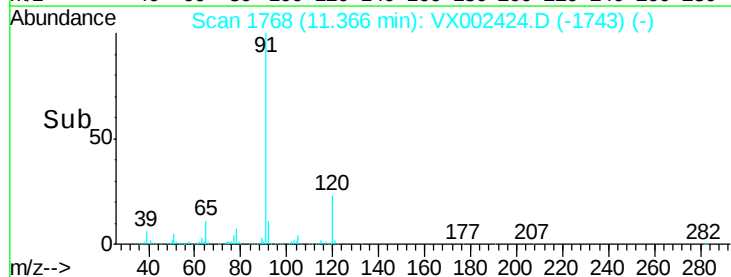
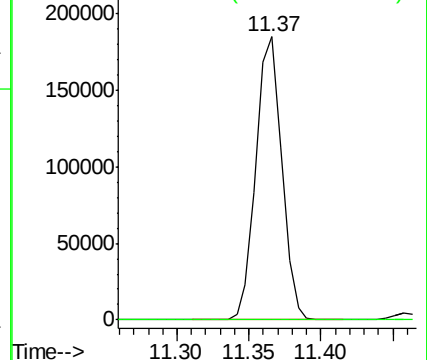
91 100

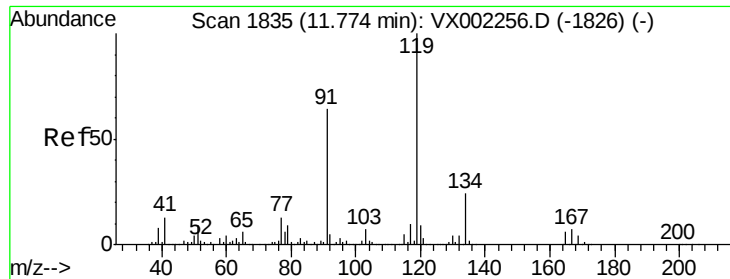
126 0.0 15.4 46.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

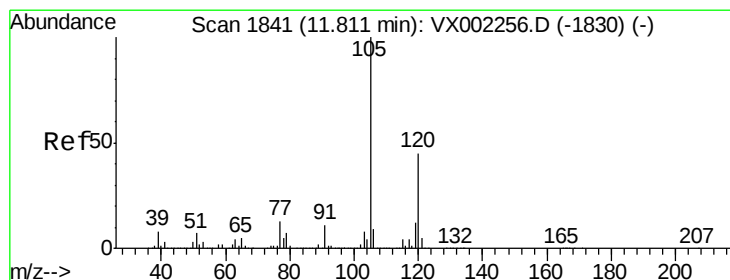
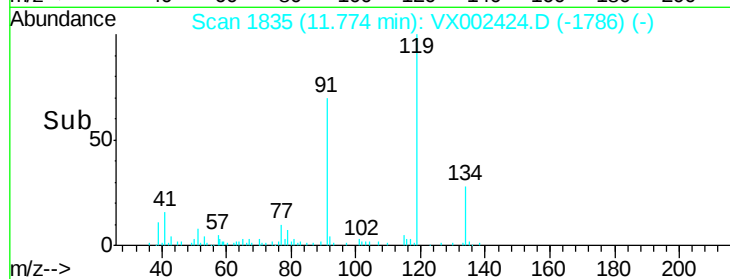
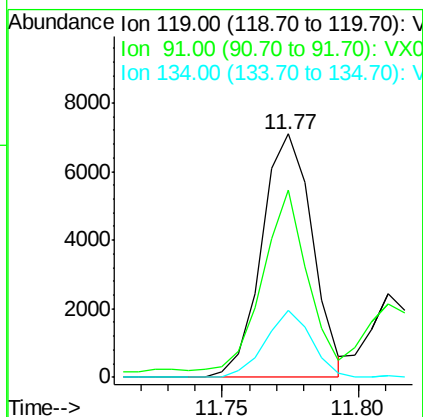
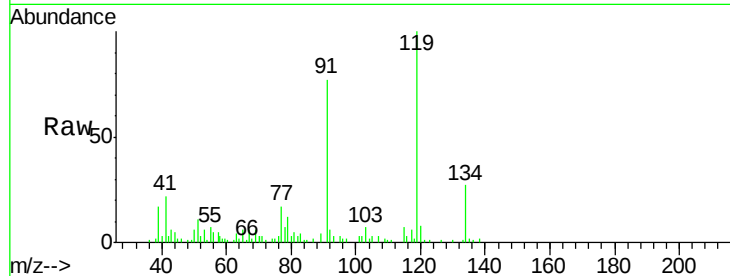




#83
tert-Butylbenzene
Concen: 0.96 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

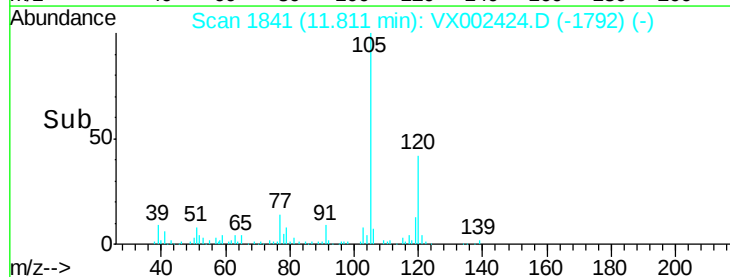
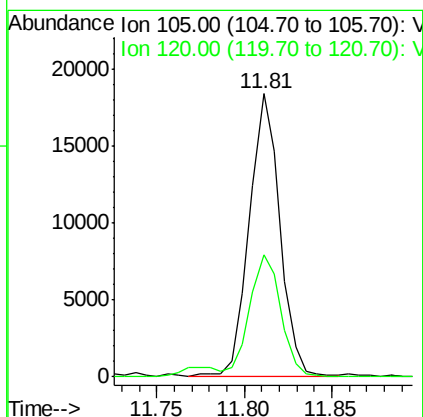
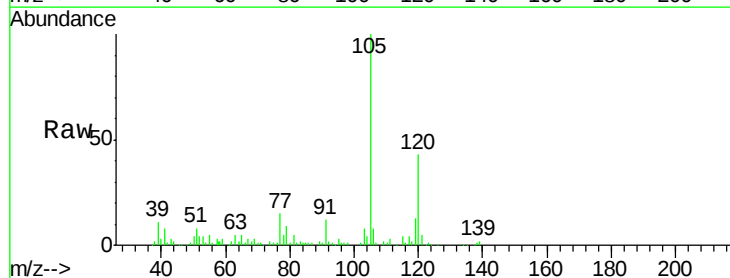
Instrument :
MSVOA_X
ClientSampled :

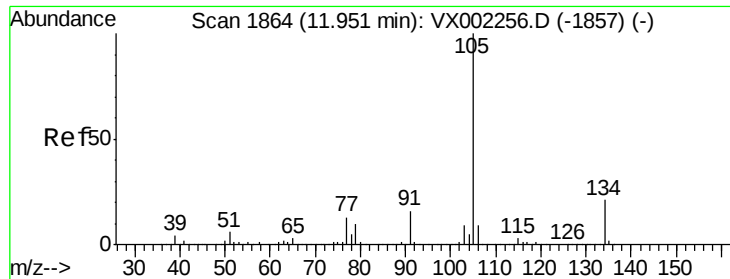
Tot Ion:119 Resp: 9152
Ion Ratio Lower Upper
119 100
91 66.3 30.3 90.9
134 25.0 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 2.19 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion:105 Resp: 22111
Ion Ratio Lower Upper
105 100
120 44.8 22.3 66.8





#85

sec-Butylbenzene

Concen: 2.99 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

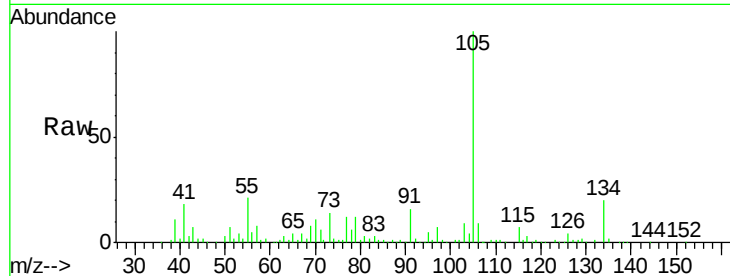
ClientSampleId :

Tot Ion:105 Resp: 33438

Ion Ratio Lower Upper

105 100

134 18.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

30000

25000

20000

15000

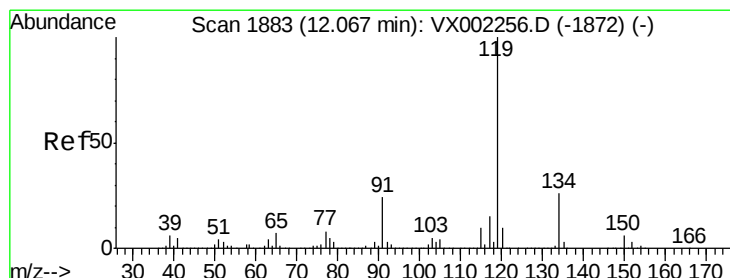
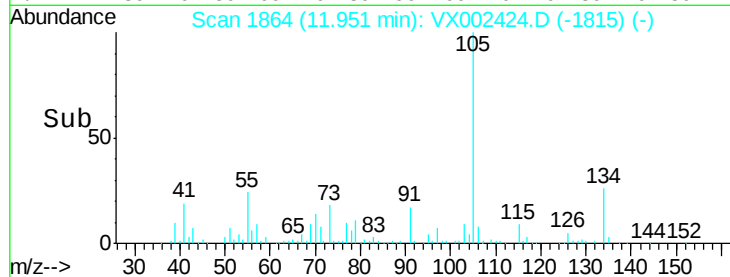
10000

5000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 0.65 ug/l

RT: 12.15 min Scan# 1896

Delta R.T. 0.08 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

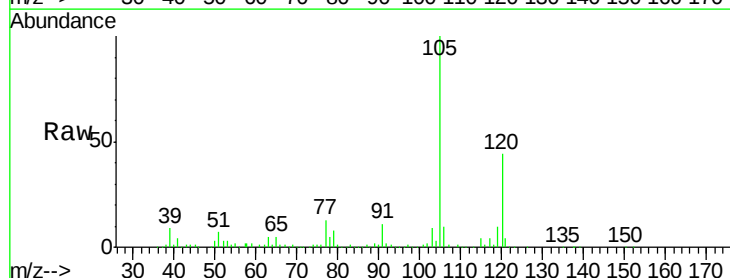
Tgt Ion:119 Resp: 6636

Ion Ratio Lower Upper

119 100

134 0.0 13.4 40.1#

91 113.8 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): VX0

8000

6000

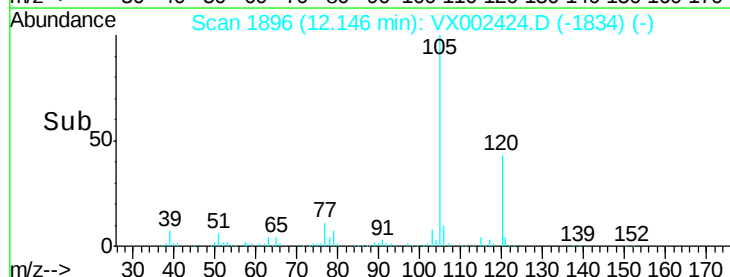
4000

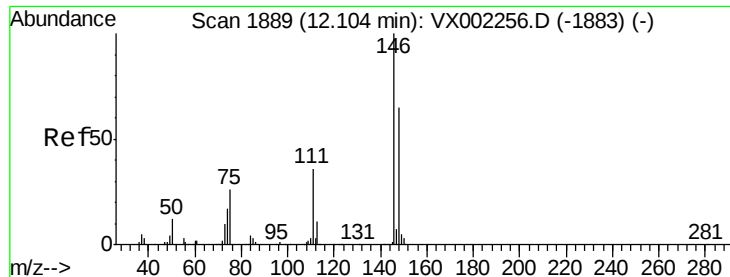
2000

0

Time-->

12.10 12.15 12.20





#88

1,4-Dichlorobenzene

Concen: 0.39 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

ClientSampled :

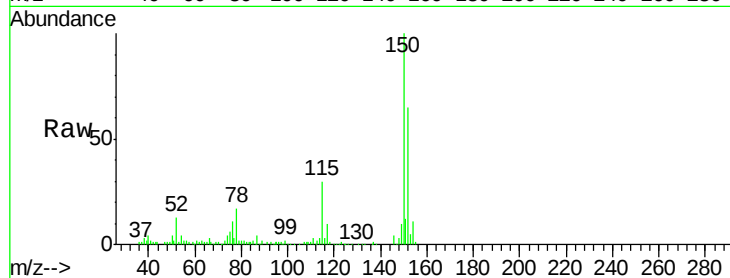
Tot Ion:146 Resp: 2328

Ion Ratio Lower Upper

146 100

111 187.2 18.7 56.1#

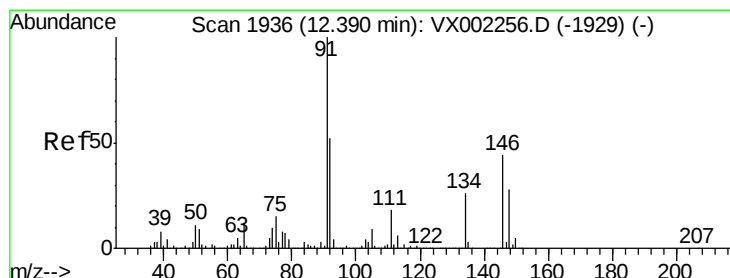
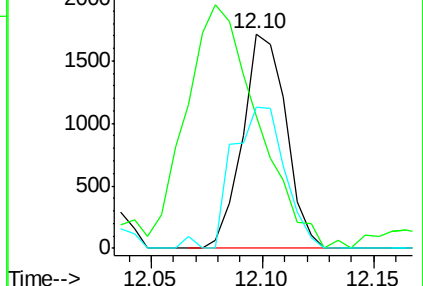
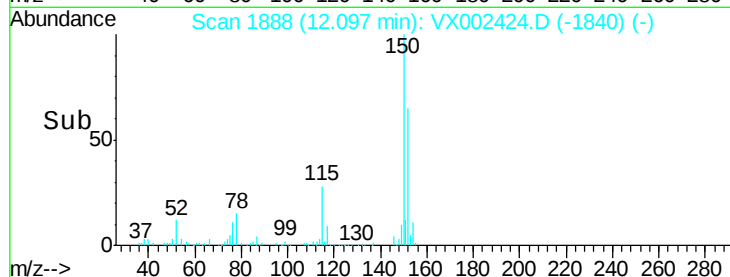
148 79.2 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 1.00 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

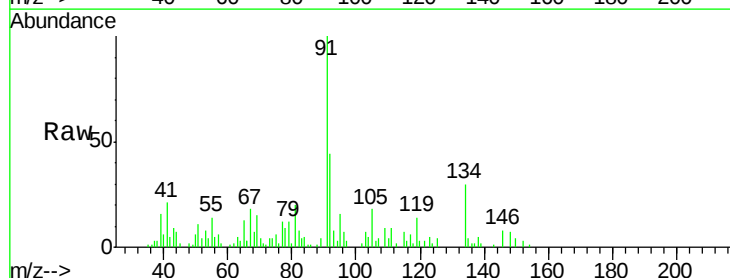
Tgt Ion: 91 Resp: 8558

Ion Ratio Lower Upper

91 100

92 38.6 26.0 78.0

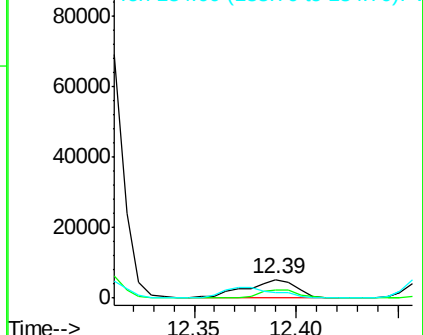
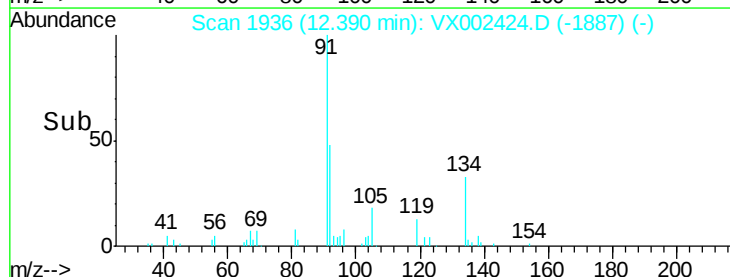
134 0.0 13.5 40.5#

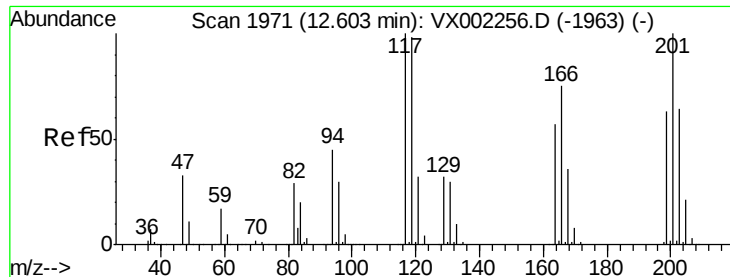


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 16.94 ug/l

RT: 12.71 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

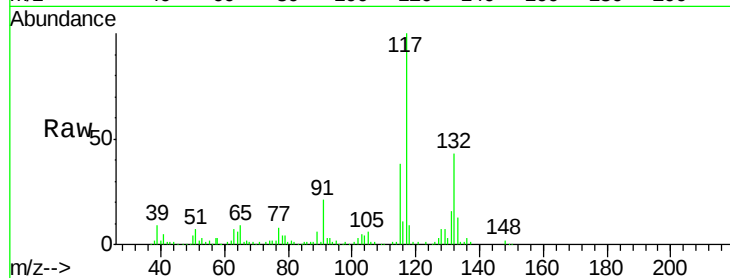
ClientSampled :

Tot Ion:117 Resp: 27569

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

150000

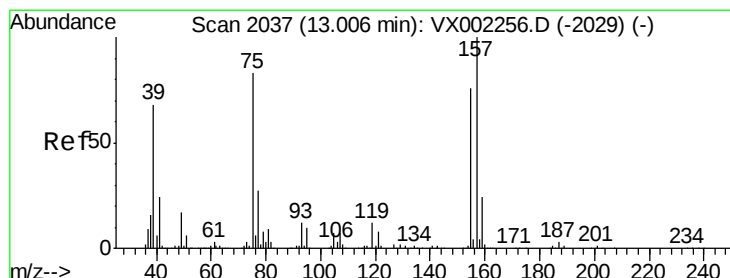
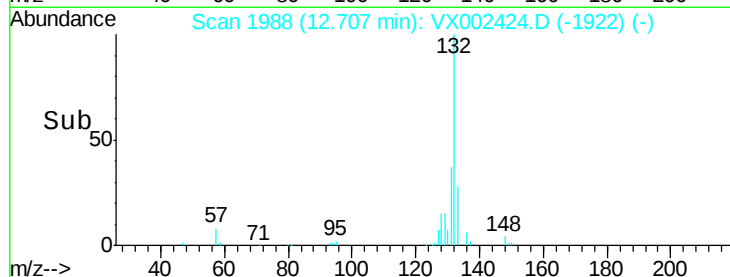
100000

50000

0

12.71

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.20 ug/l

RT: 12.98 min Scan# 2033

Delta R.T. -0.02 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

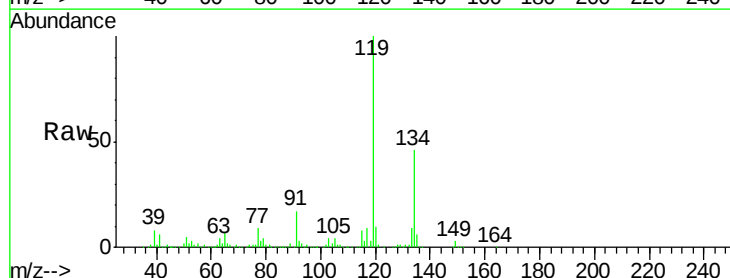
Tgt Ion: 75 Resp: 940

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 0.0 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

800

600

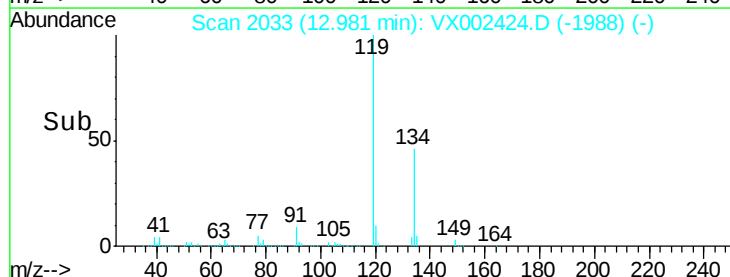
400

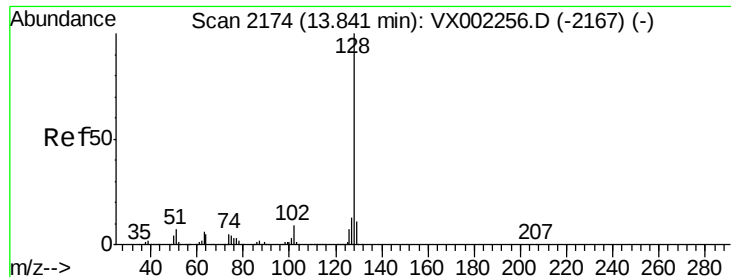
200

0

12.98

Time-->

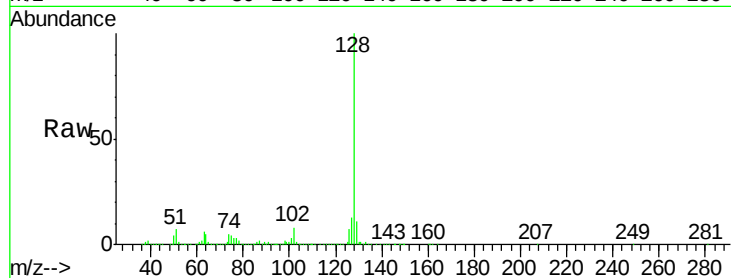




#95
Naphthalene
Concen: 18.74 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.5	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

