

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009576.D
 Acq On : 15 May 2019 13:40
 Operator : JC/SP
 Sample : K2838-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:09:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	188335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	297510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115334	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	123202	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
35) Dibromofluoromethane	5.49	113	91009	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	8.71	98	376494	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.13	95	125220	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	

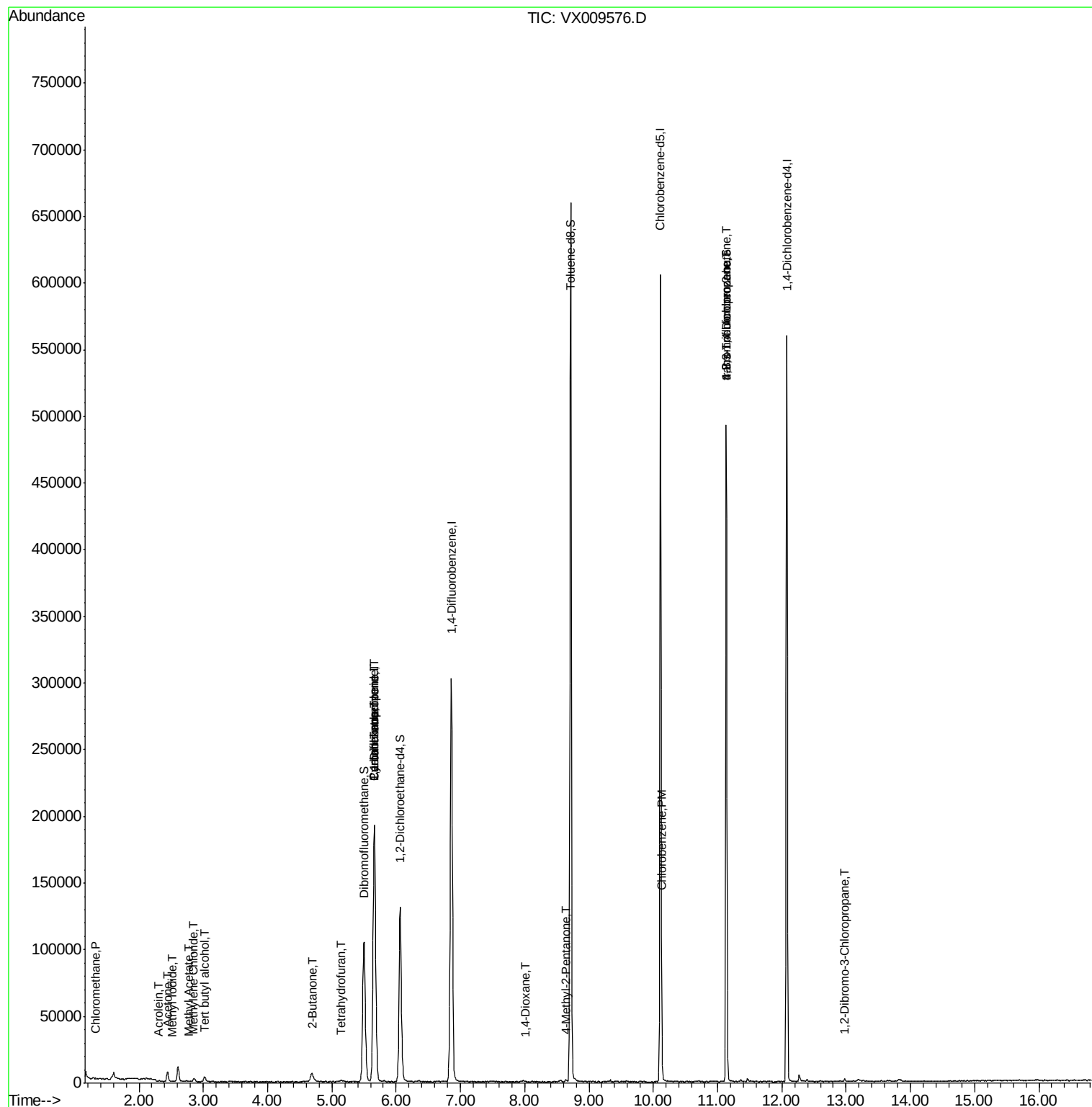
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	538	0.227	ug/l	98
10) Methyl Iodide	2.52	142	164	4.667	ug/l #	42
11) Tert butyl alcohol	3.01	59	2510	4.218	ug/l #	77
13) Acrolein	2.29	56	128	0.237	ug/l	84
16) Acetone	2.44	43	8441	6.114	ug/l	96
18) Methyl Acetate	2.78	43	742	0.226	ug/l #	90
20) Methylene Chloride	2.85	84	1104	0.494	ug/l #	85
25) 2-Butanone	4.68	43	2342	1.092	ug/l	93
28) Bromochloromethane	5.01	49	19	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	1378	0.998	ug/l #	84
31) Cyclohexane	5.65	56	4047	1.065	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14504	5.246	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17583	7.000	ug/l #	16
49) 1,4-Dioxane	8.01	88	19	0.306	ug/l #	20
51) 4-Methyl-2-Pentanone	8.64	43	1339	0.332	ug/l	98
65) Chlorobenzene	10.13	112	2072	0.394	ug/l #	86
76) 1,2,3-Trichloropropane	11.13	75	64247	24.015	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64247	61.445	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.98	75	342	0.488	ug/l #	2

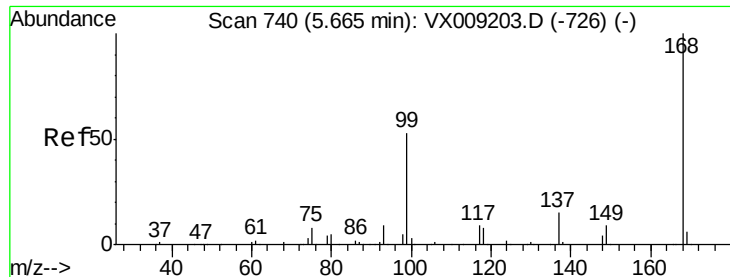
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051519\
Data File : VX009576.D
Acq On : 15 May 2019 13:40
Operator : JC/SP
Sample : K2838-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 16 01:09:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009576.D

Acq: 15 May 2019 13:40

Instrument :

MSVOA_X

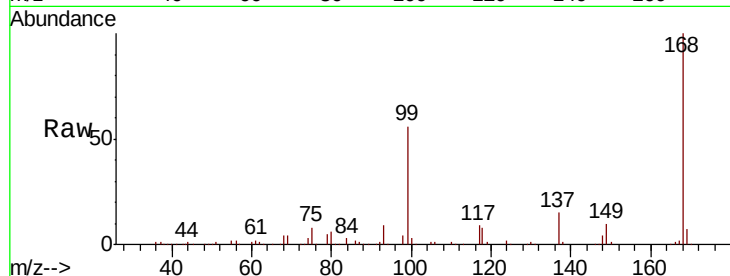
ClientSampleId :

Tot Ion:168 Resp: 188335

Ion Ratio Lower Upper

168 100

99 55.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

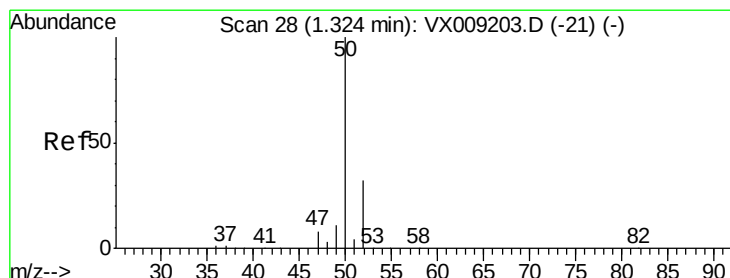
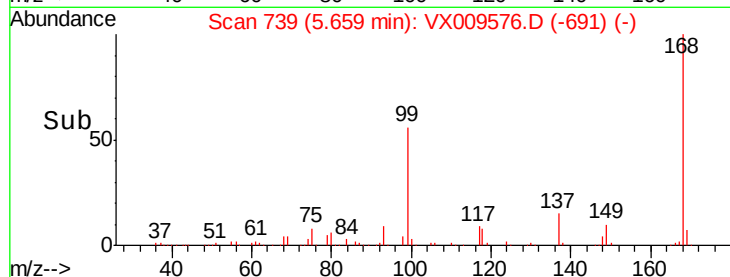
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009576.D

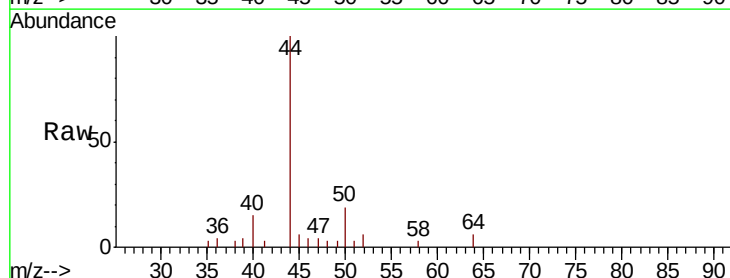
Acq: 15 May 2019 13:40

Tgt Ion: 50 Resp: 538

Ion Ratio Lower Upper

50 100

52 33.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

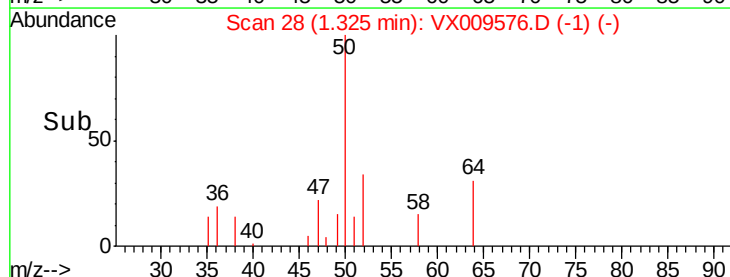
300

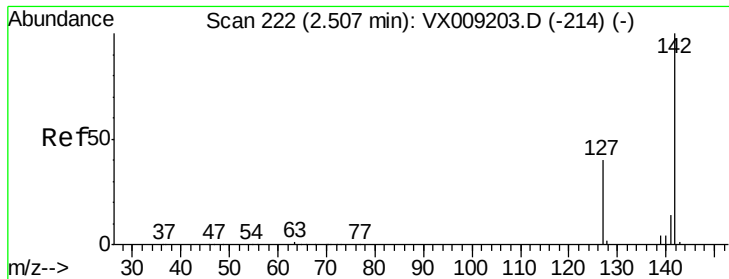
200

100

0

Time--> 1.30 1.35

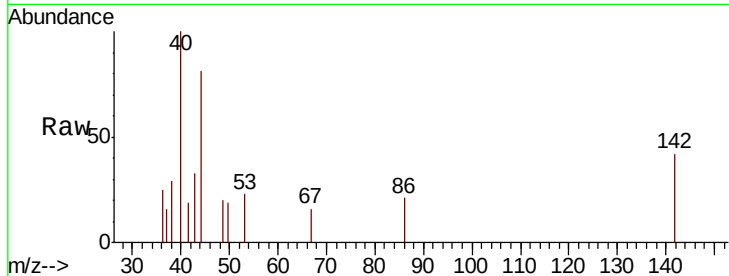




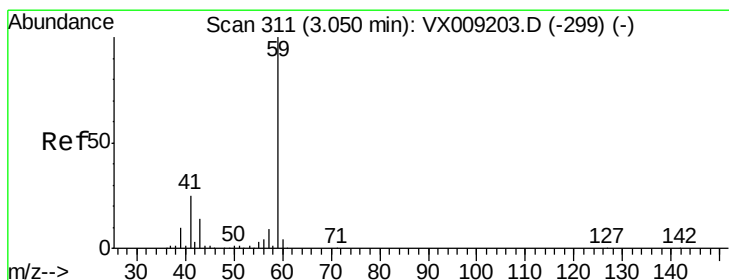
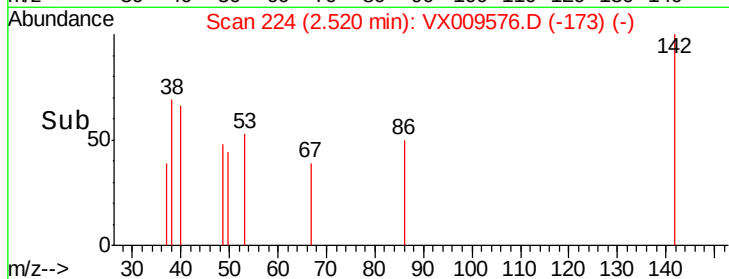
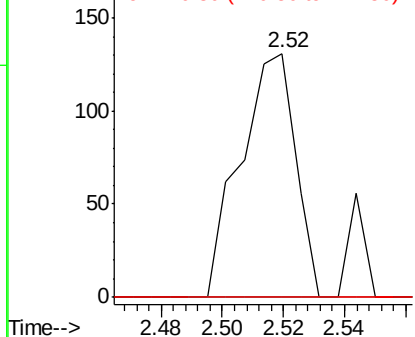
#10
Methvl Iodide
Concen: 4.667 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009576.D
Acq: 15 May 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 164
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

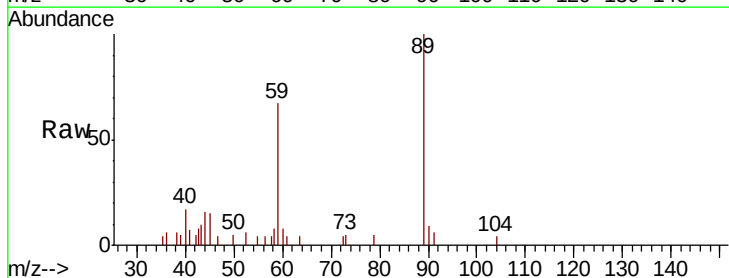


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

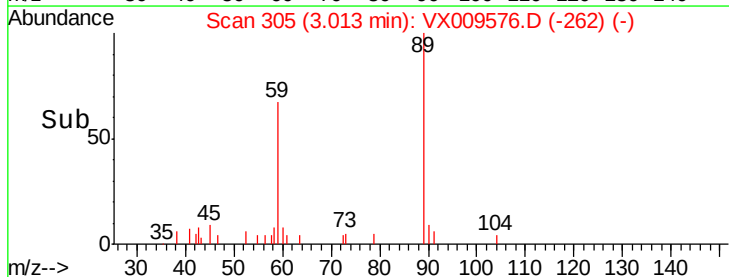
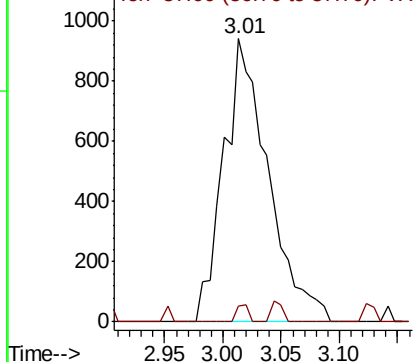


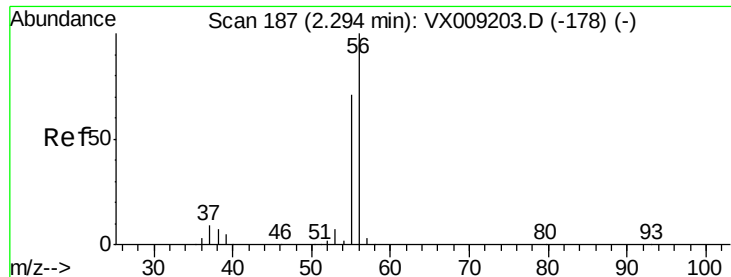
#11
Tert butyl alcohol
Concen: 4.218 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009576.D
Acq: 15 May 2019 13:40

Tgt Ion: 59 Resp: 2510
Ion Ratio Lower Upper
59 100
57 1.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.237 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009576.D

Acq: 15 May 2019 13:40

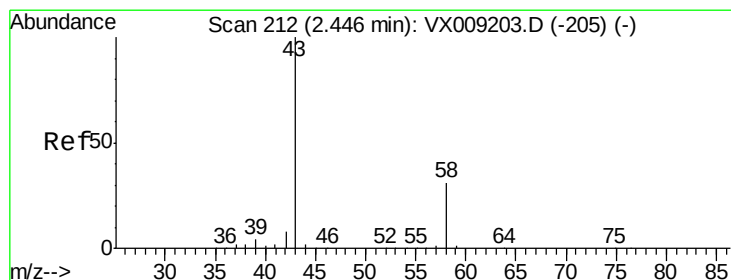
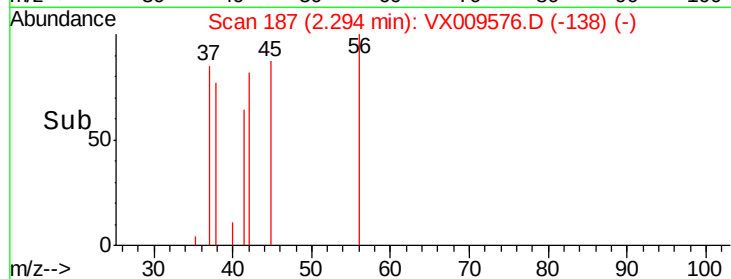
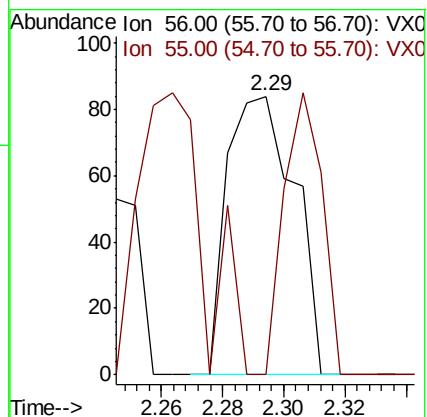
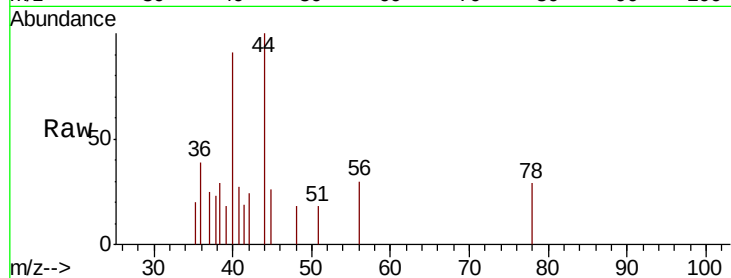
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 128

Ion Ratio Lower Upper

56 100

55 57.8 56.6 85.0



#16

Acetone

Concen: 6.114 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009576.D

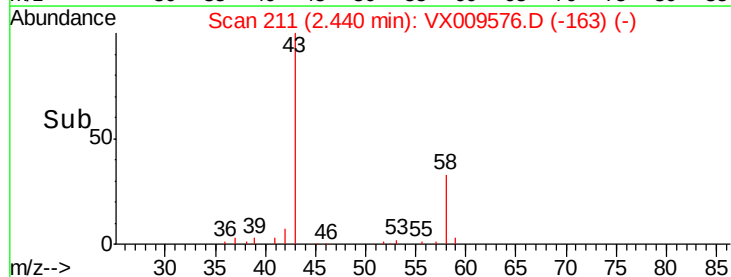
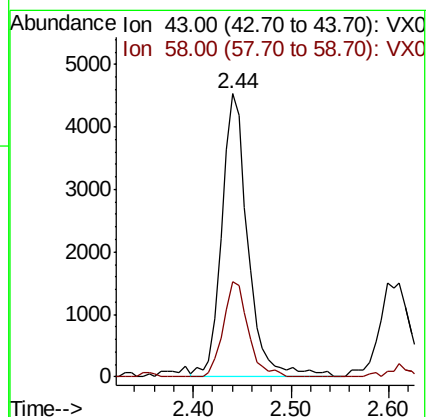
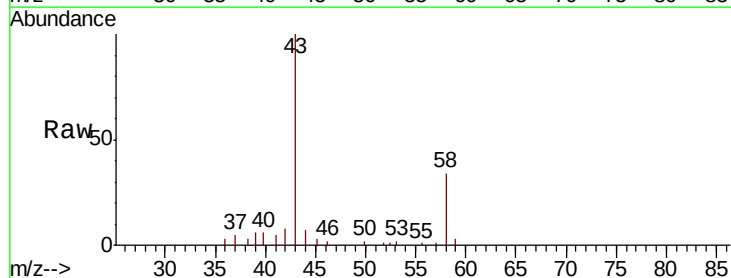
Acq: 15 May 2019 13:40

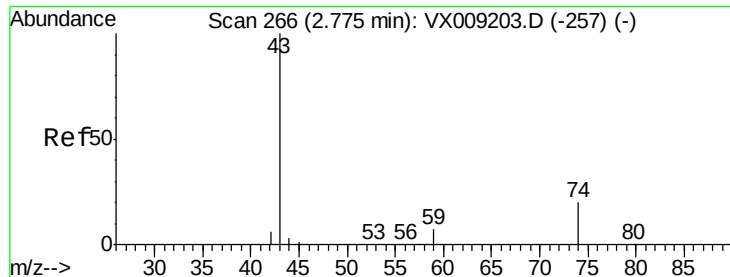
Tgt Ion: 43 Resp: 8441

Ion Ratio Lower Upper

43 100

58 33.5 24.9 37.3

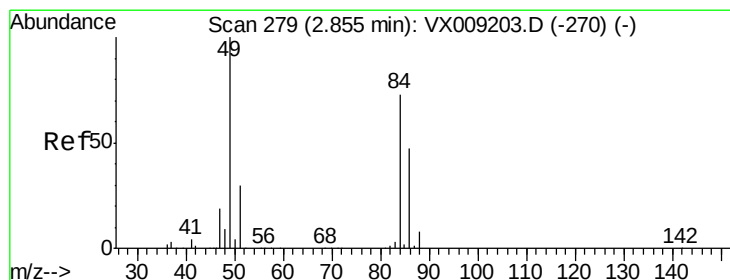
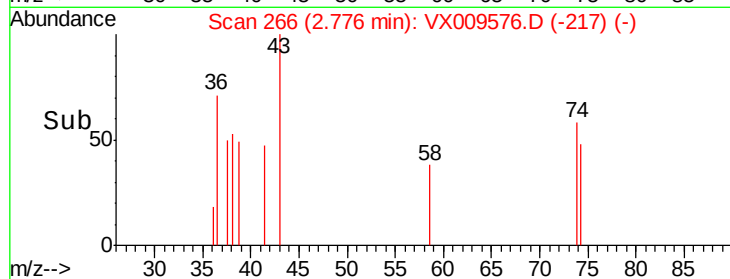
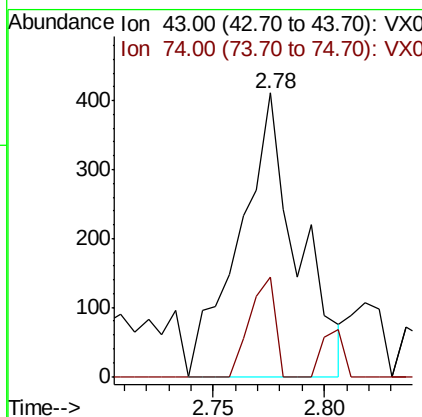
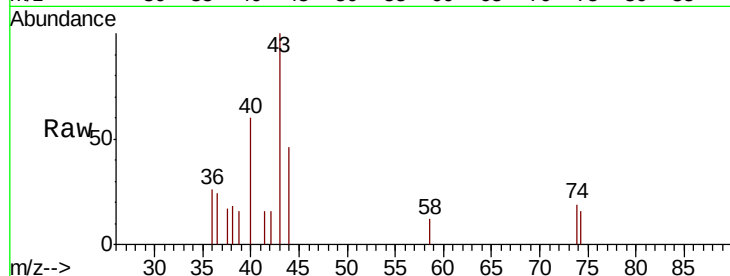




#18
Methyl Acetate
Concen: 0.226 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009576.D
Acq: 15 May 2019 13:40

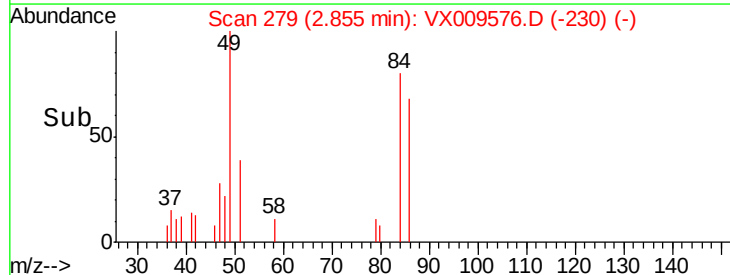
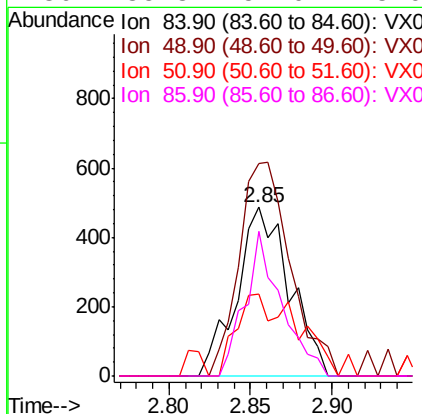
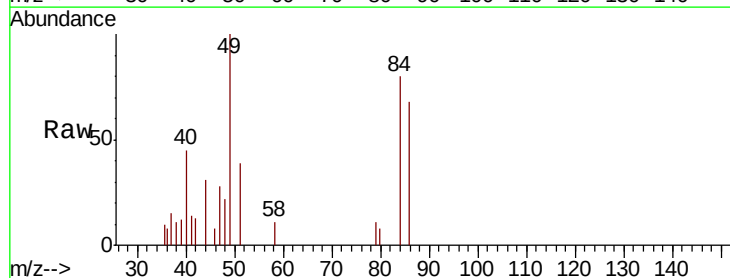
Instrument :
MSVOA_X
ClientSampled :

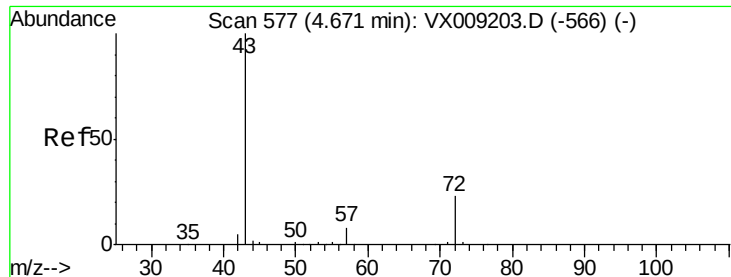
Tot Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
74 15.5 16.2 24.4#



#20
Methylene Chloride
Concen: 0.494 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009576.D
Acq: 15 May 2019 13:40

Tgt Ion: 84 Resp: 1104
Ion Ratio Lower Upper
84 100
49 125.7 109.9 164.9
51 48.7 32.7 49.1
86 85.8 52.0 78.0#





#25

2-Butanone

Concen: 1.092 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009576.D

Acq: 15 May 2019 13:40

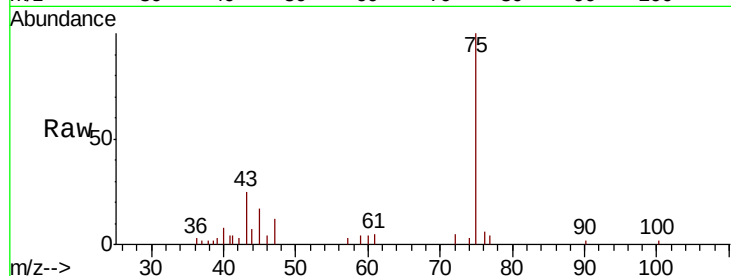
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 2342

Ion Ratio Lower Upper

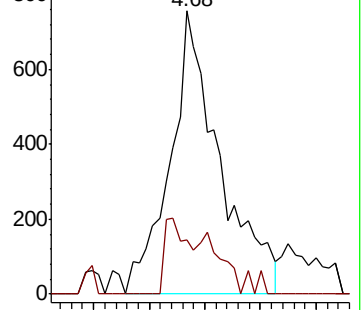
43 100

72 19.2 18.2 27.2

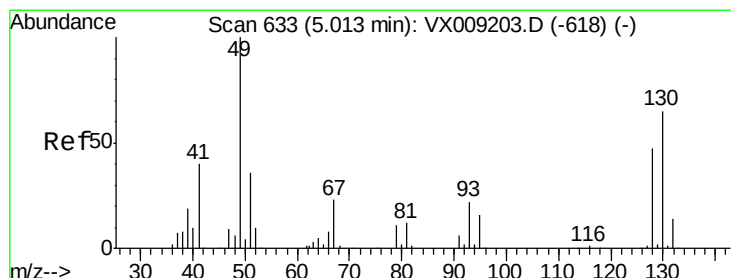
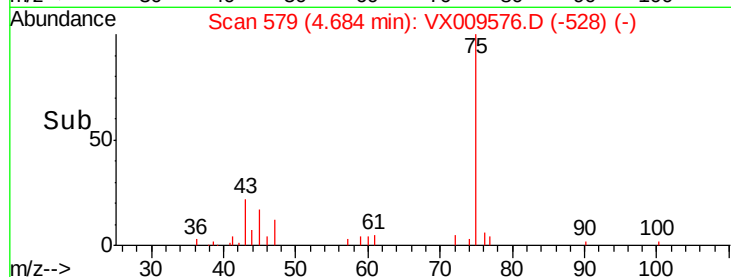


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009576.D

Acq: 15 May 2019 13:40

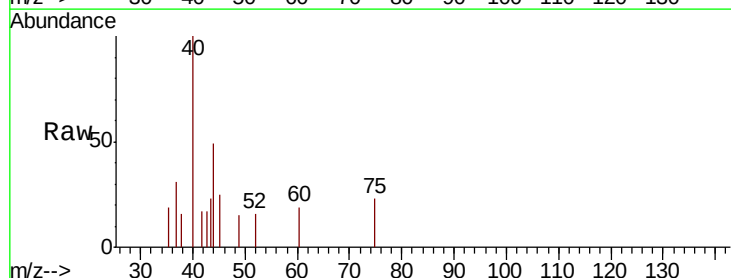
Tgt Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

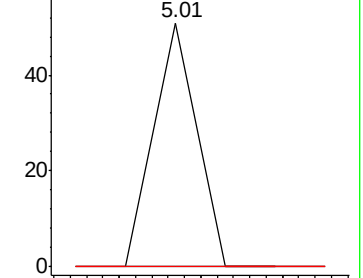
130 0.0 51.2 76.8#



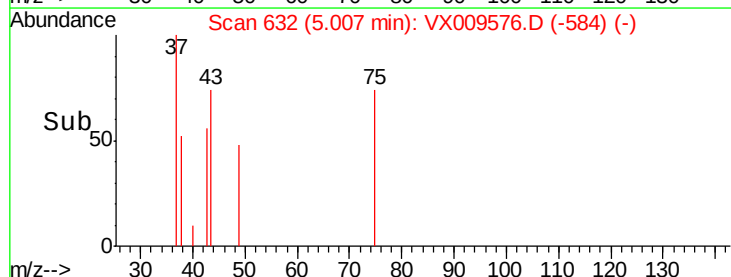
Abundance Ion 48.90 (48.60 to 49.60): VX0

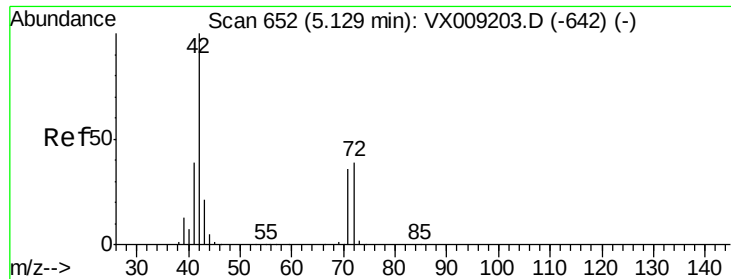
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->

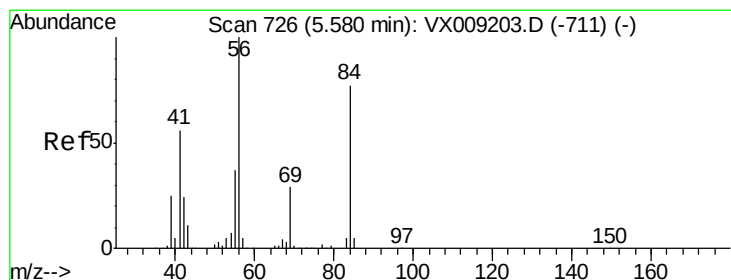
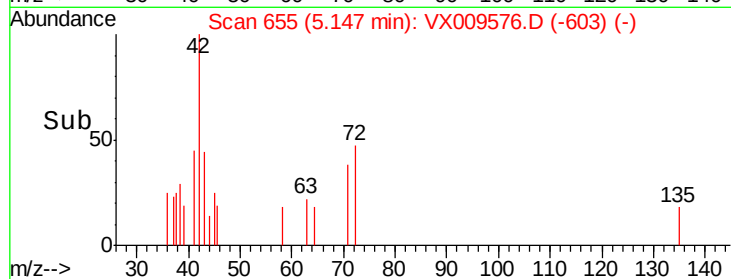
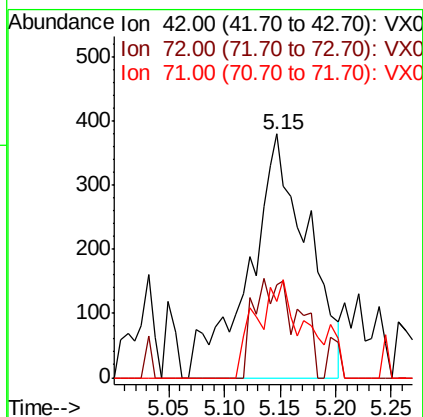
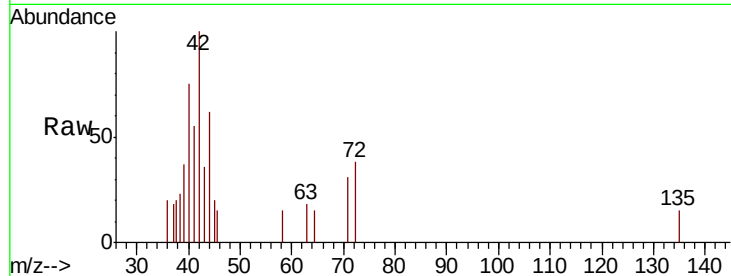




#29
Tetrahydrofuran
Concen: 0.998 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX009576.D
Acq: 15 May 2019 13:40

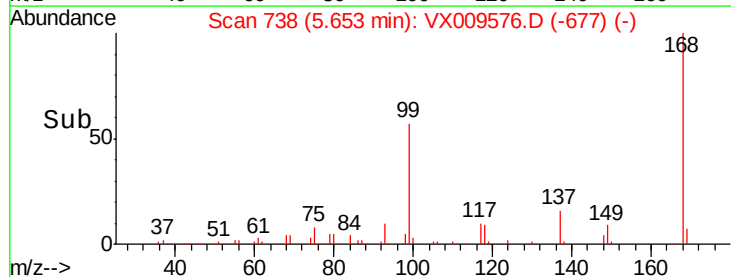
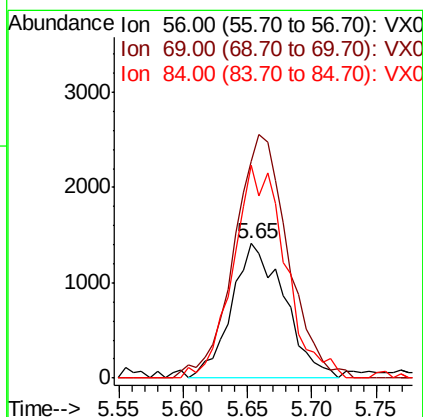
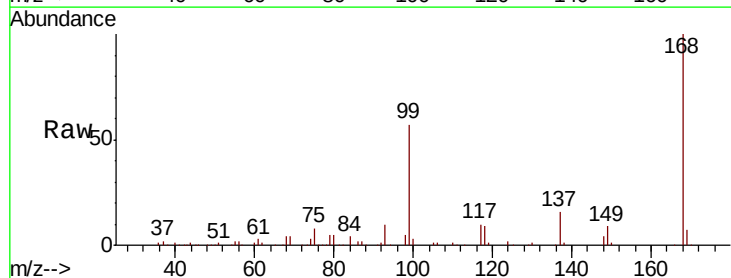
Instrument :
MSVOA_X
ClientSampled :

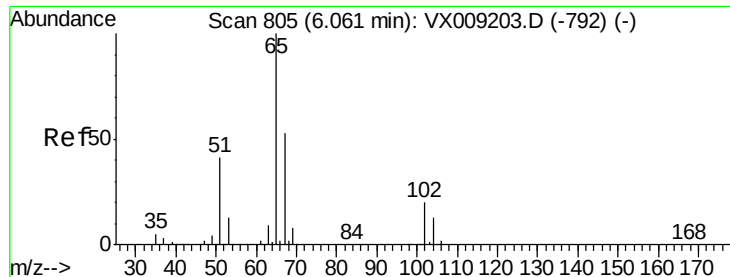
Tot Ion: 42 Resp: 1378
Ion Ratio Lower Upper
42 100
72 30.7 30.4 45.6
71 24.2 28.6 43.0#



#31
Cyclohexane
Concen: 1.065 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009576.D
Acq: 15 May 2019 13:40

Tgt Ion: 56 Resp: 4047
Ion Ratio Lower Upper
56 100
69 154.1 23.4 35.0#
84 152.0 61.9 92.9#

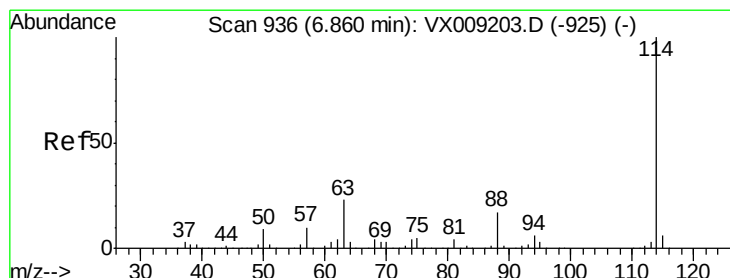
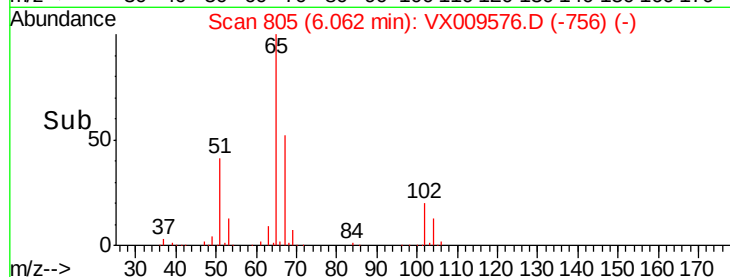
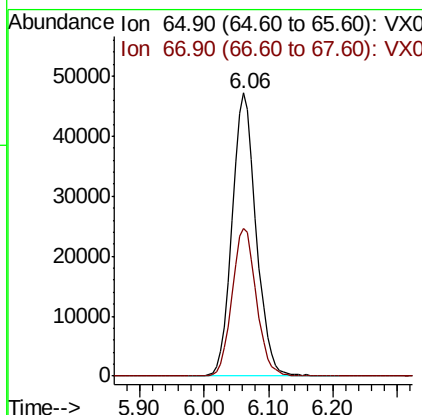
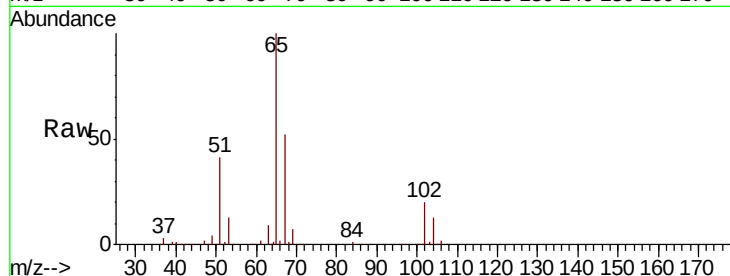




#33
 1,2-Dichloroethane-d4
 Concen: 47.920 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009576.D
 Acq: 15 May 2019 13:40

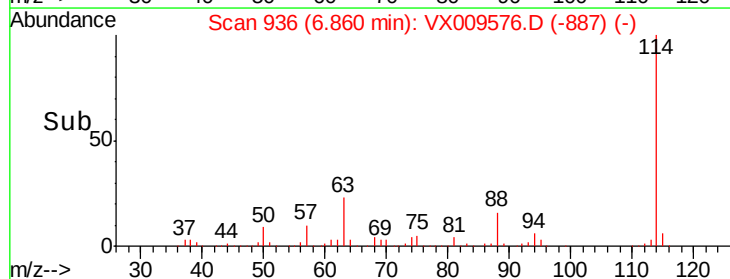
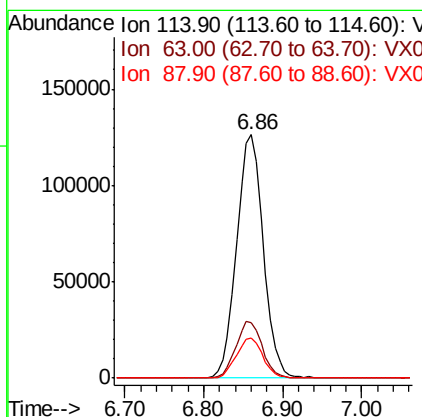
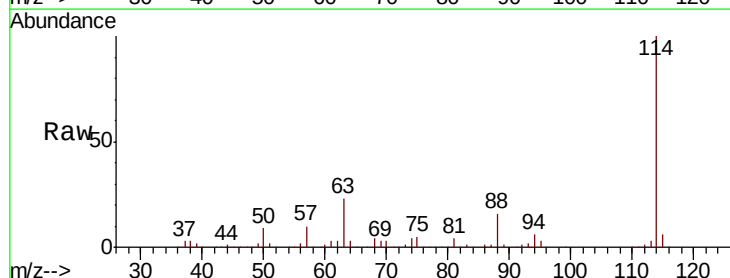
Instrument :
 MSVOA_X
 ClientSampled :

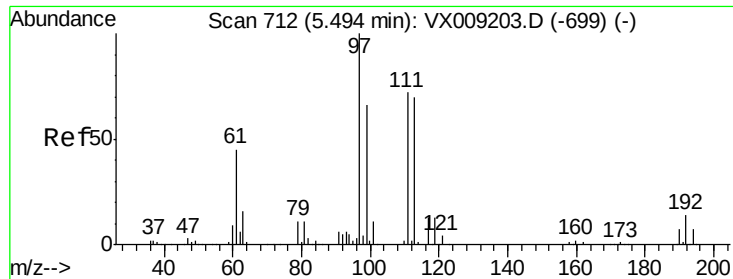
Tot Ion: 65 Resp: 123202
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009576.D
 Acq: 15 May 2019 13:40

Tgt Ion: 114 Resp: 297510
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.5 0.0 33.2

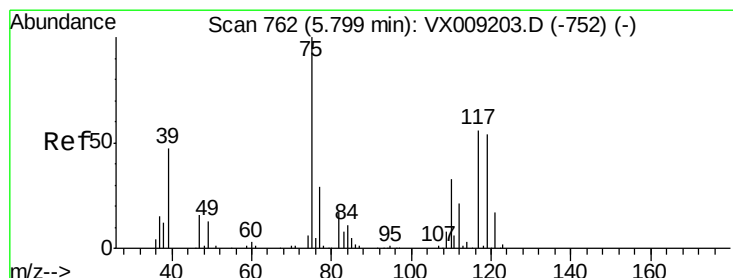
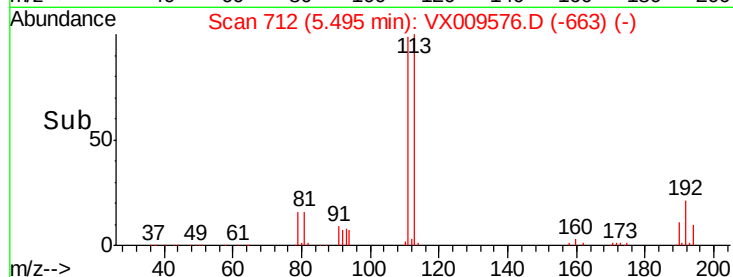
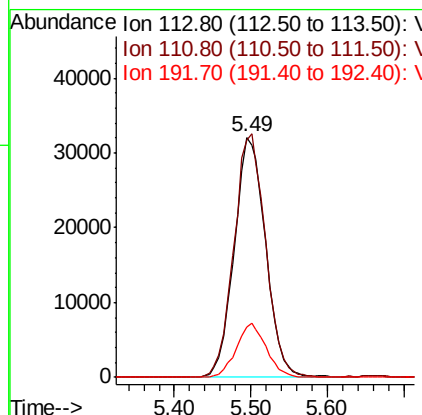
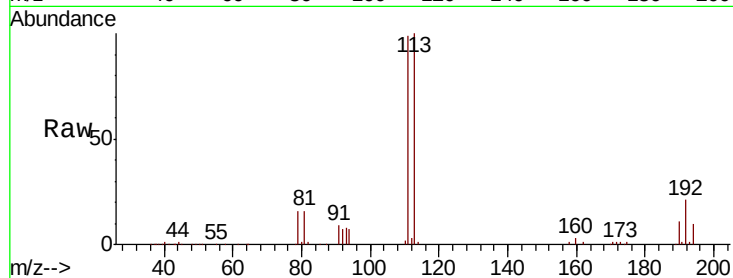




#35
 Dibromofluoromethane
 Concen: 48.661 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009576.D
 Acq: 15 May 2019 13:40

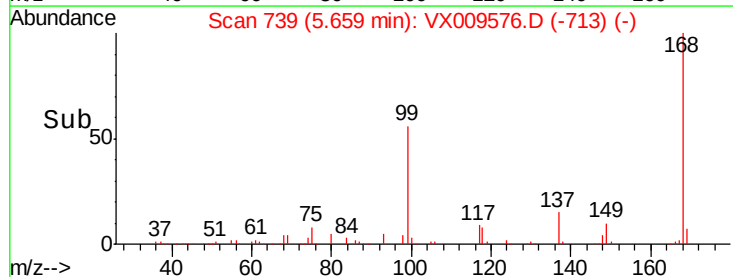
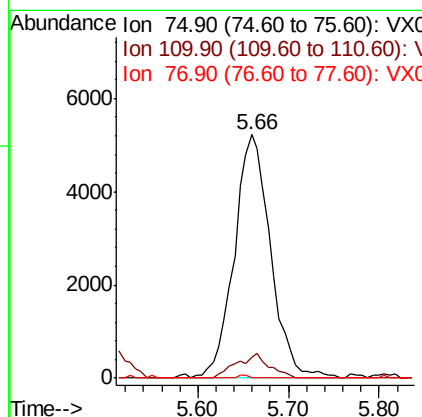
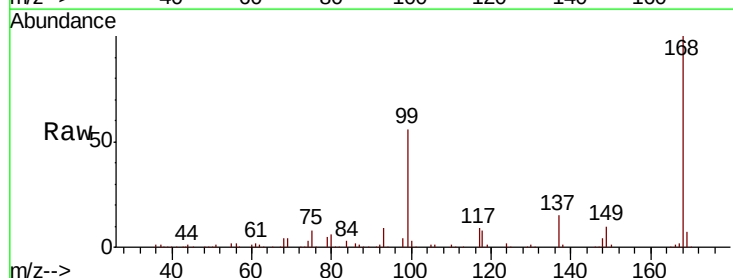
Instrument :
 MSVOA_X
 ClientSampleId :

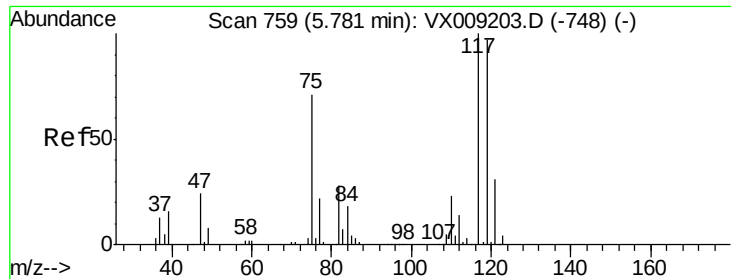
Tot Ion:113 Resp: 91009
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.8 124.2
 192 21.5 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.246 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009576.D
 Acq: 15 May 2019 13:40

Tgt Ion: 75 Resp: 14504
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.6#
 77 0.3 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009576.D

Acq: 15 May 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

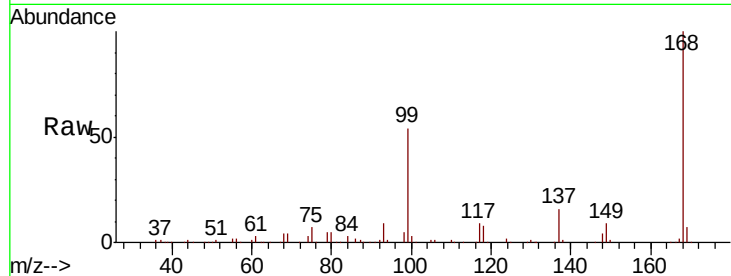
Tot Ion:117 Resp: 17583

Ion Ratio Lower Upper

117 100

119 5.5 77.5 116.3#

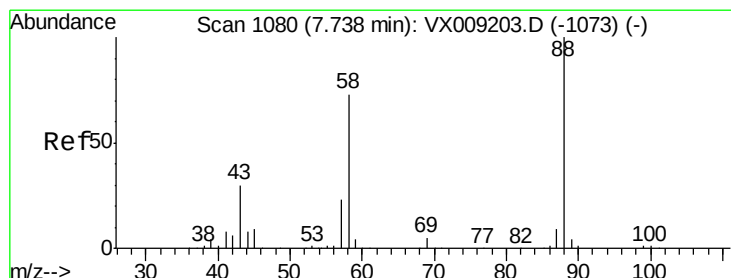
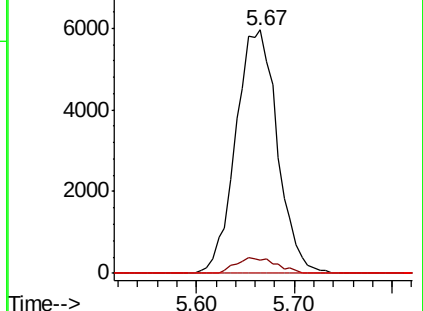
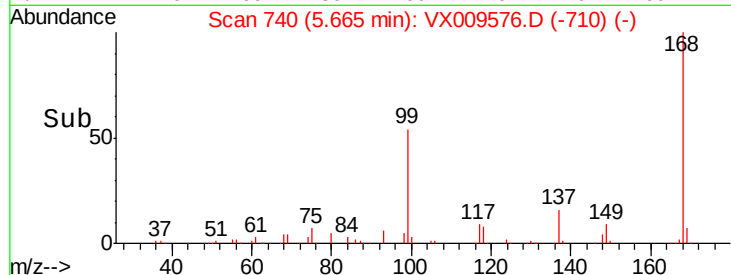
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.306 ug/l

RT: 8.01 min Scan# 1124

Delta R.T. 0.27 min

Lab File: VX009576.D

Acq: 15 May 2019 13:40

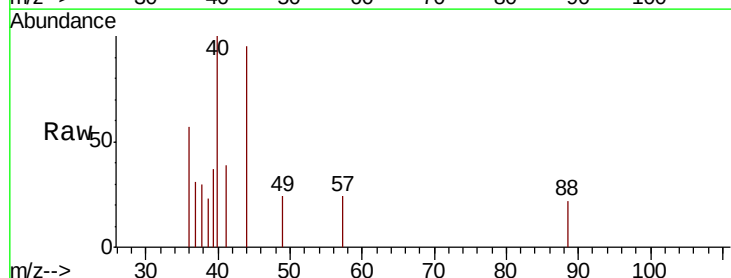
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

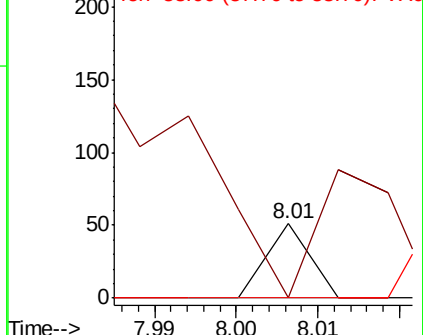
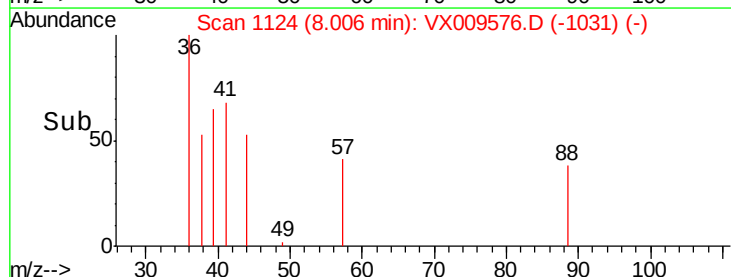
58 0.0 61.7 92.5#

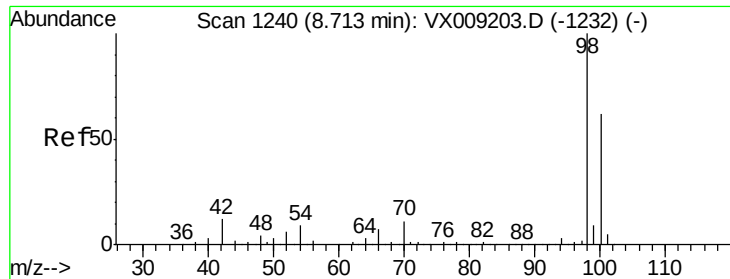


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

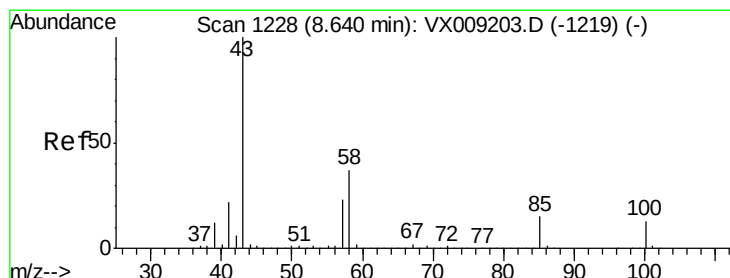
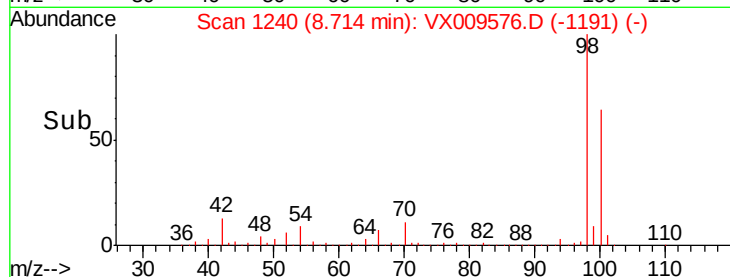
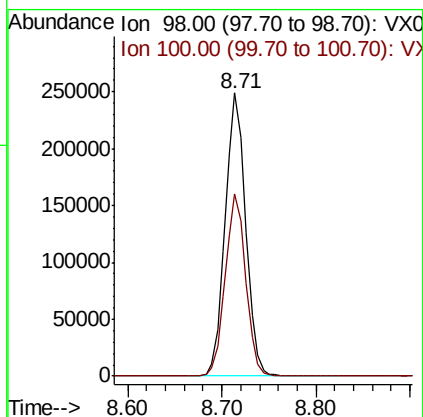
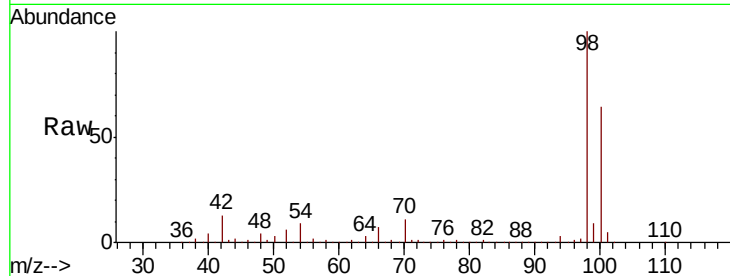




#50
Toluene-d8
Concen: 49.862 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009576.D
Acq: 15 May 2019 13:40

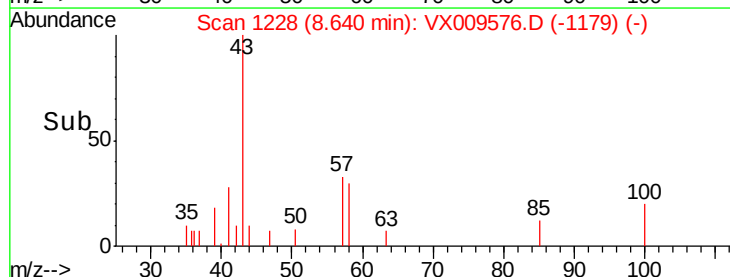
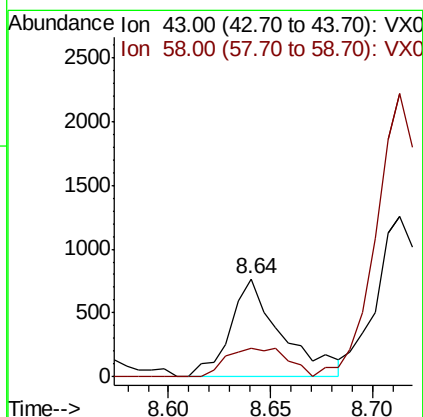
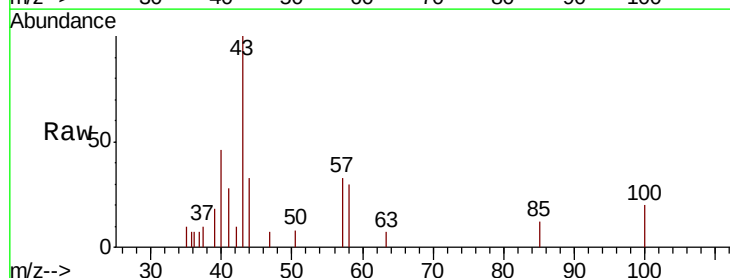
Instrument :
MSVOA_X
ClientSampled :

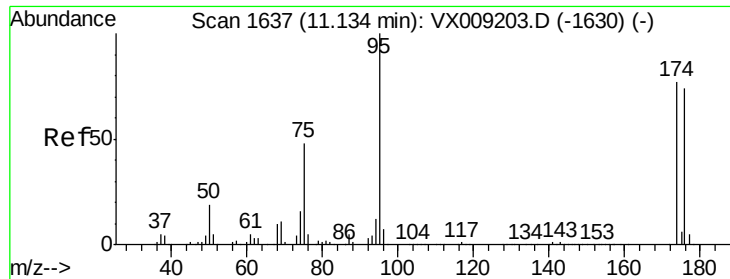
Tot Ion: 98 Resp: 376494
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.332 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009576.D
Acq: 15 May 2019 13:40

Tgt Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
58 35.5 29.5 44.3

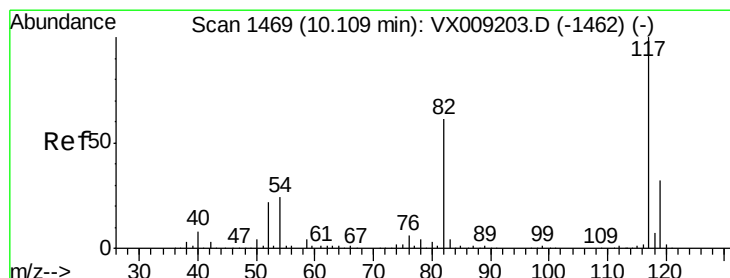
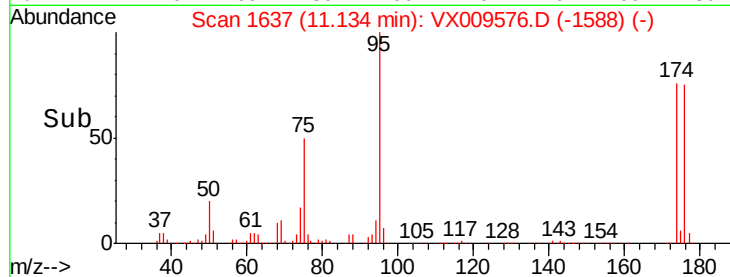
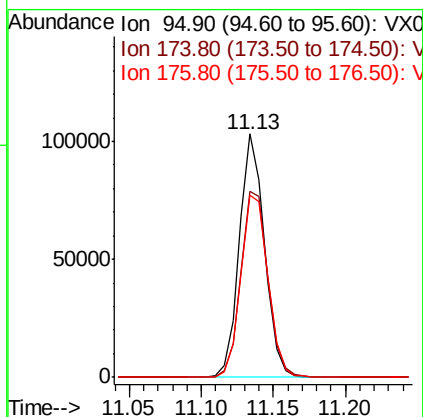
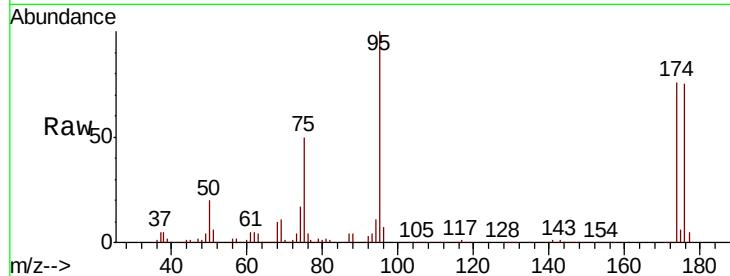




#62
4-Bromofluorobenzene
Concen: 45.640 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009576.D
Acq: 15 May 2019 13:40

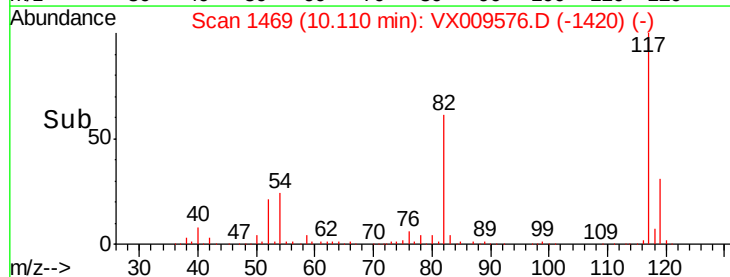
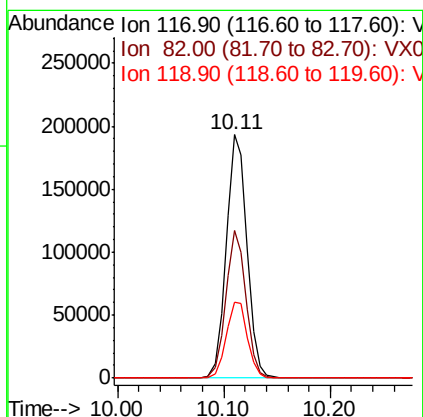
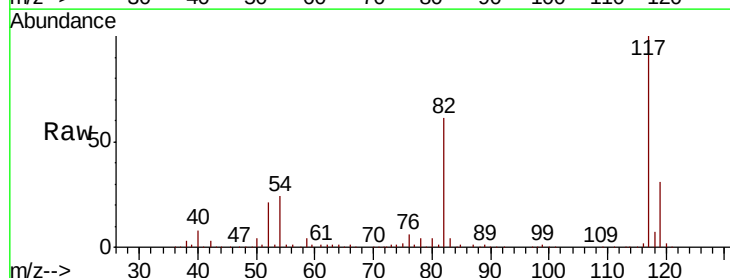
Instrument :
MSVOA_X
ClientSampled :

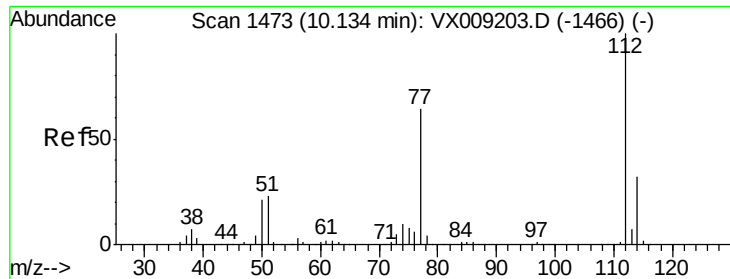
Tot Ion: 95 Resp: 125220
Ion Ratio Lower Upper
95 100
174 82.1 0.0 161.6
176 80.3 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009576.D
Acq: 15 May 2019 13:40

Tgt Ion: 117 Resp: 262642
Ion Ratio Lower Upper
117 100
82 60.6 48.8 73.2
119 31.4 25.8 38.6

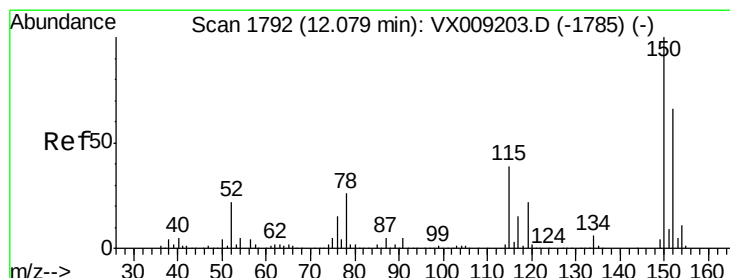
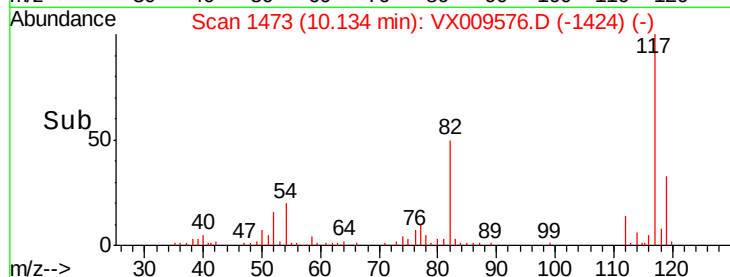
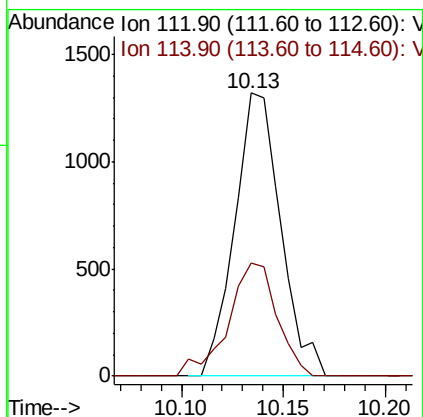
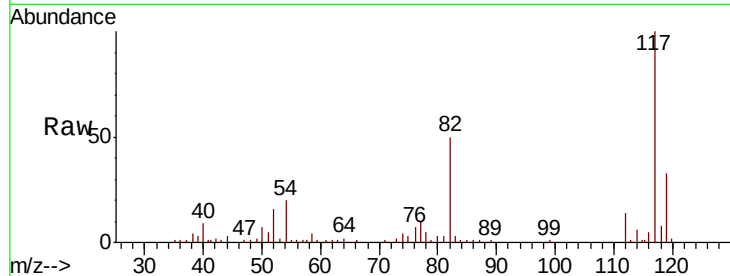




#65
Chlorobenzene
Concen: 0.394 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009576.D
Acq: 15 May 2019 13:40

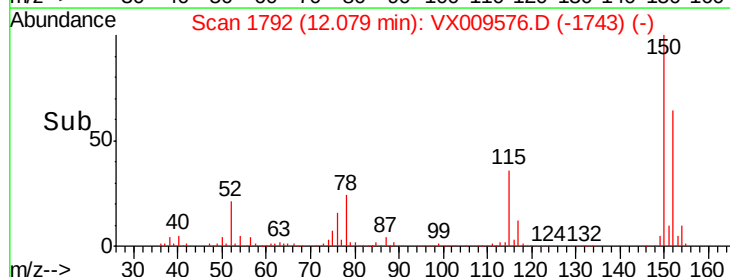
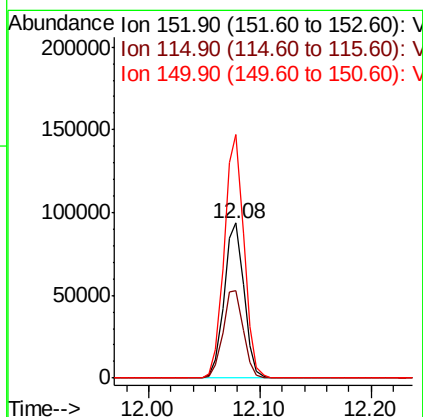
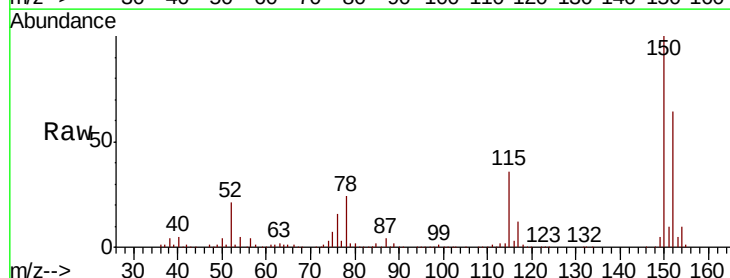
Instrument :
MSVOA_X
ClientSampled :

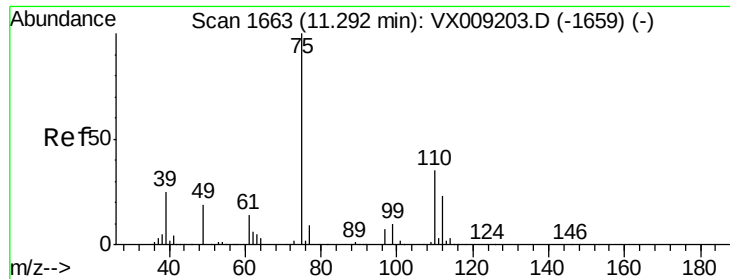
Tot Ion:112 Resp: 2072
Ion Ratio Lower Upper
112 100
114 39.8 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009576.D
Acq: 15 May 2019 13:40

Tgt Ion:152 Resp: 115334
Ion Ratio Lower Upper
152 100
115 58.2 41.2 123.6
150 156.0 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 24.015 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009576.D

Acq: 15 May 2019 13:40

Instrument :

MSVOA_X

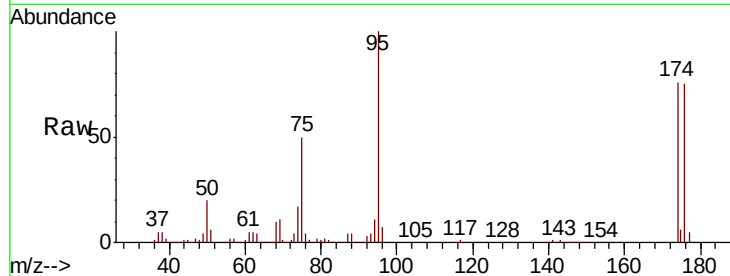
ClientSampleId :

Tot Ion: 75 Resp: 64247

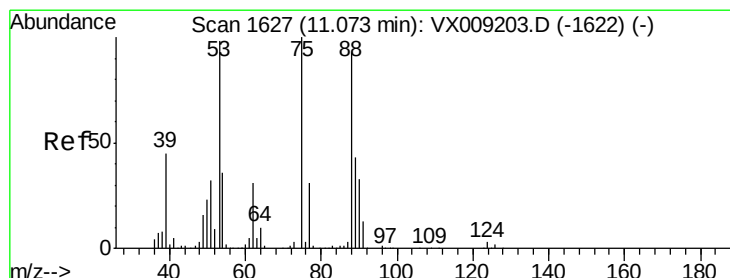
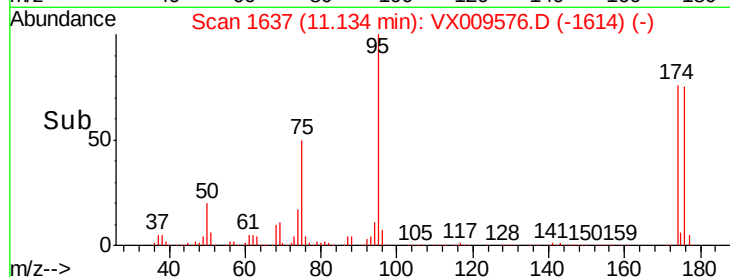
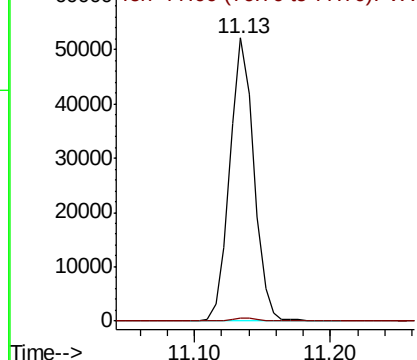
Ion Ratio Lower Upper

75 100

77 1.2 22.1 66.1#



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



#81

trans-1,4-Dichloro-2-butene

Concen: 61.445 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009576.D

Acq: 15 May 2019 13:40

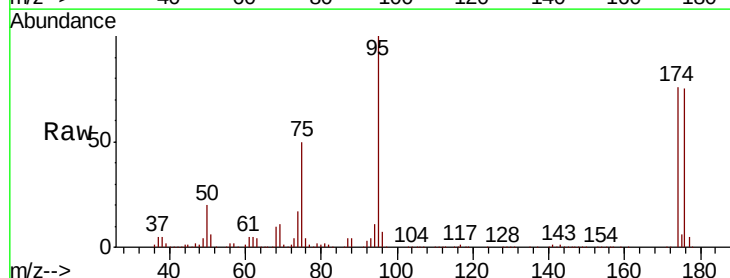
Tgt Ion: 75 Resp: 64247

Ion Ratio Lower Upper

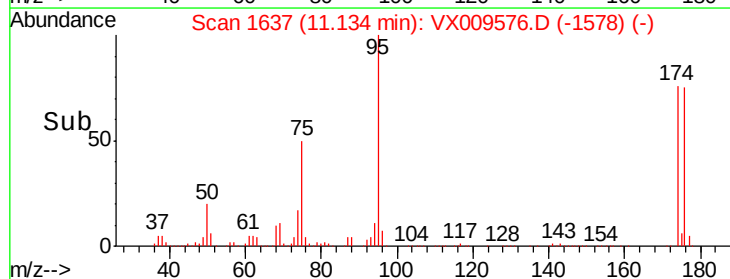
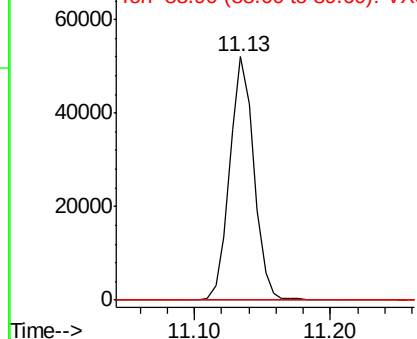
75 100

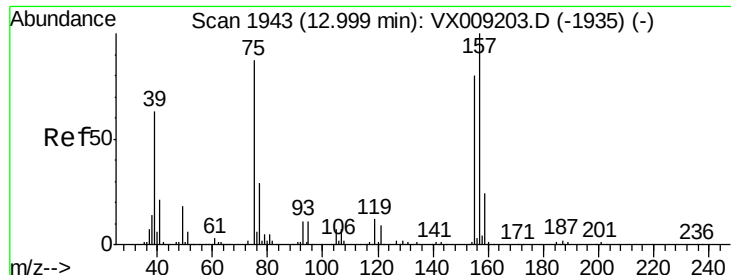
53 0.0 79.0 118.6#

89 0.0 34.7 52.1#



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





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.488 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX009576.D

Acq: 15 May 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

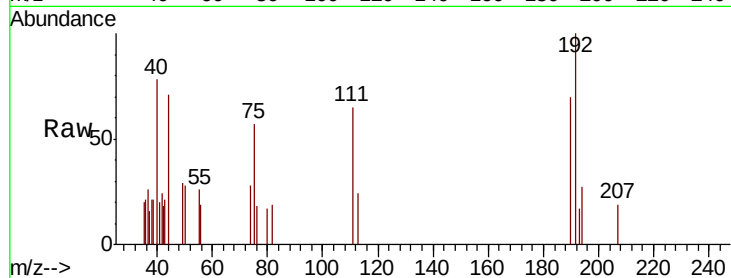
Tot Ion: 75 Resp: 342

Ion Ratio Lower Upper

75 100

155 0.0 42.0 126.0#

157 0.0 53.2 159.6#



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

250

200

150

100

50

0

12.95

12.98

13.00

Time-->

