

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009827.D
 Acq On : 23 May 2019 01:17
 Operator : JC/SP
 Sample : K2976-06 50X
 Misc : 3.93uL/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 07:23:24 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	5.67	168	177261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	286525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	122968	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	5.50	113	86909	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
50) Toluene-d8	8.71	98	365800	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	134051	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	

Target Compounds

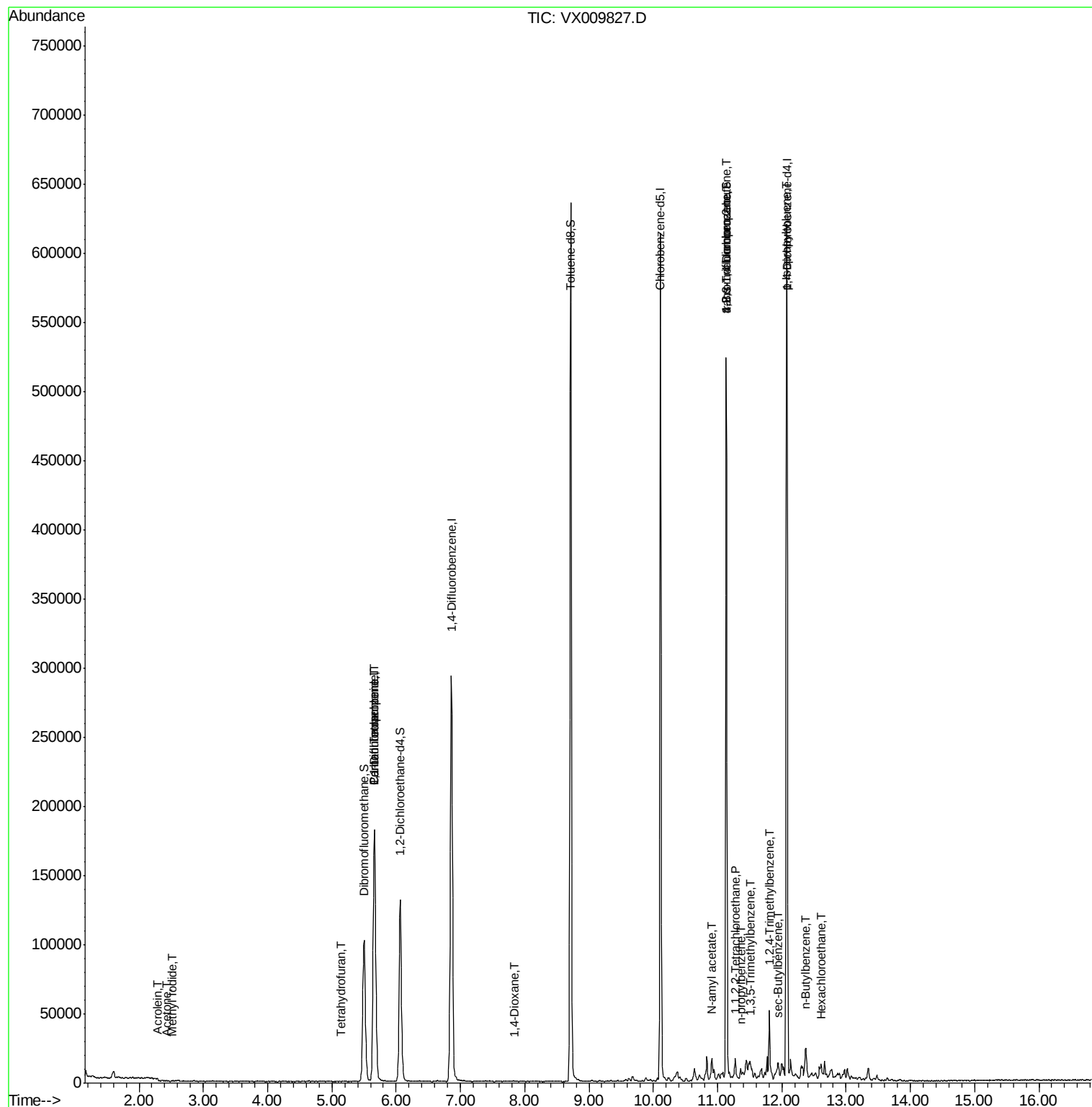
						Qvalue
10) Methyl Iodide	2.51	142	19	4.603	ug/l #	21
13) Acrolein	2.29	56	127	0.250	ug/l #	63
16) Acetone	2.44	43	532	0.409	ug/l #	79
28) Bromochloromethane	5.02	49	19	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	405	0.312	ug/l #	42
36) 1,1-Dichloropropene	5.67	75	14104	5.297	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16967	7.013	ug/l #	16
49) 1,4-Dioxane	7.84	88	47	0.787	ug/l #	71
74) N-amyl acetate	10.91	43	1225	0.224	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	1149	0.328	ug/l #	39
76) 1,2,3-Trichloropropane	11.13	75	68833	22.980	ug/l #	34
78) n-propylbenzene	11.36	91	4880	0.455	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	3982	0.504	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	68833	58.797	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	18193	2.292	ug/l	99
85) sec-Butylbenzene	11.94	105	2845	0.312	ug/l #	78
86) p-Isopropyltoluene	12.07	119	1922	0.234	ug/l #	68
89) n-Butylbenzene	12.38	91	4054	0.547	ug/l #	62
90) Hexachloroethane	12.61	117	683	0.489	ug/l #	7

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

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Instrument :
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ClientSampleId :

Quant Time: May 23 07:23:24 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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009827.D

Acq: 23 May 2019 01:17

Instrument :

MSVOA_X

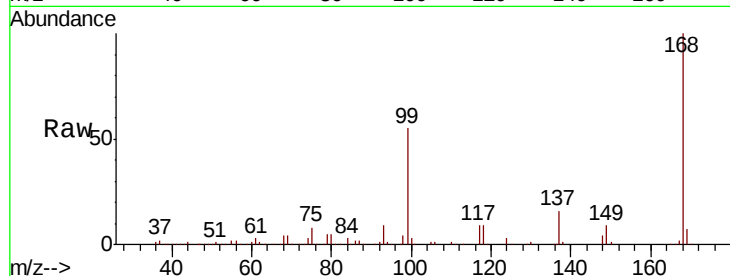
ClientSampleId :

Tot Ion:168 Resp: 177261

Ion Ratio Lower Upper

168 100

99 54.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

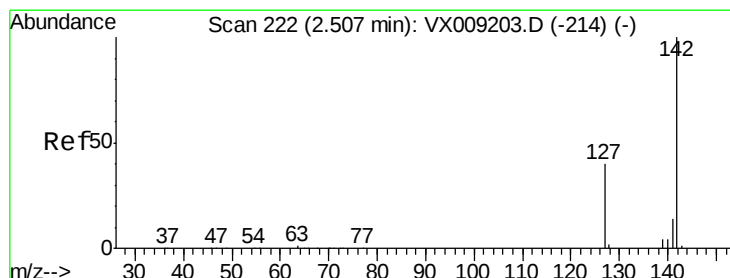
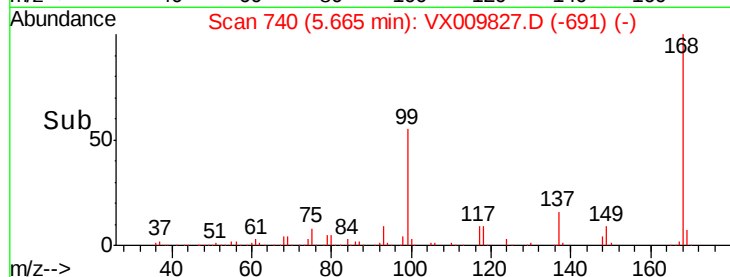
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.603 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009827.D

Acq: 23 May 2019 01:17

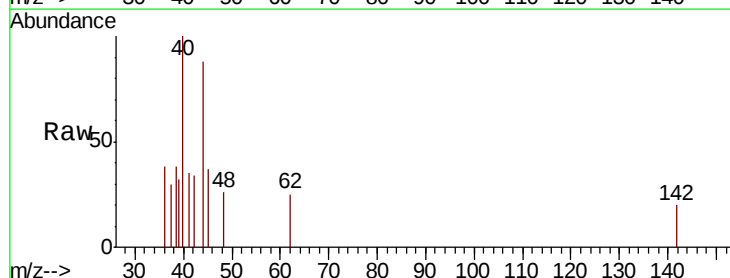
Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 100.0 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

2.51

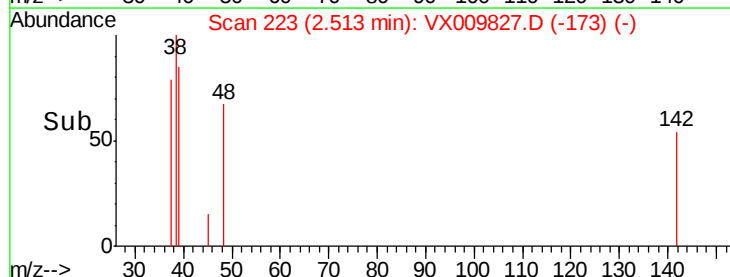
60

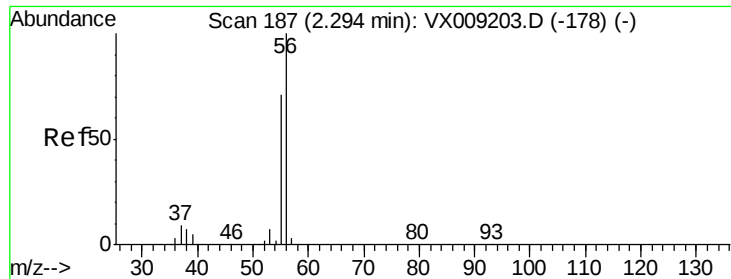
40

20

0

Time--> 2.49 2.50 2.51 2.52 2.53





#13

Acrolein

Concen: 0.250 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009827.D

Acq: 23 May 2019 01:17

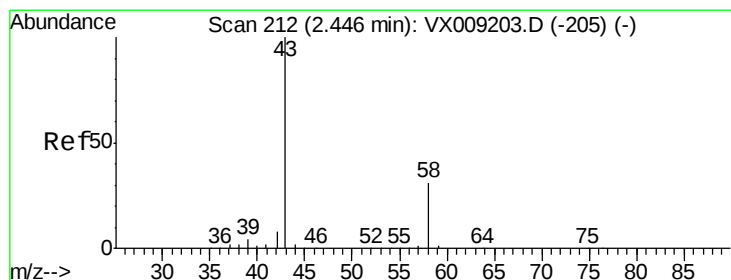
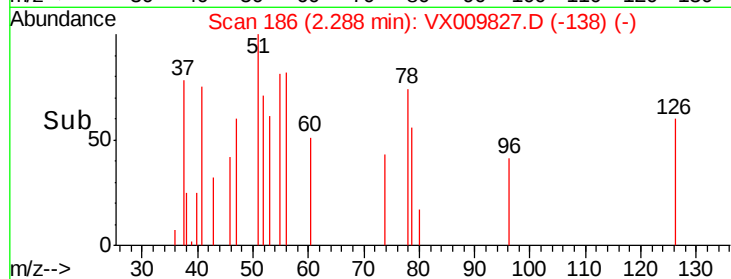
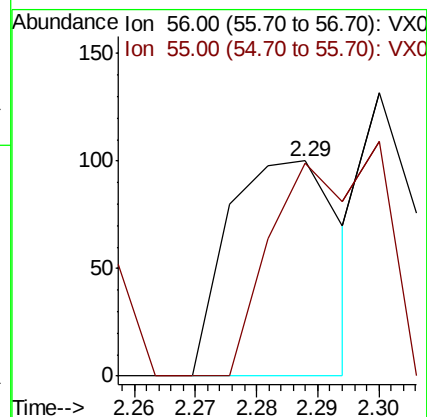
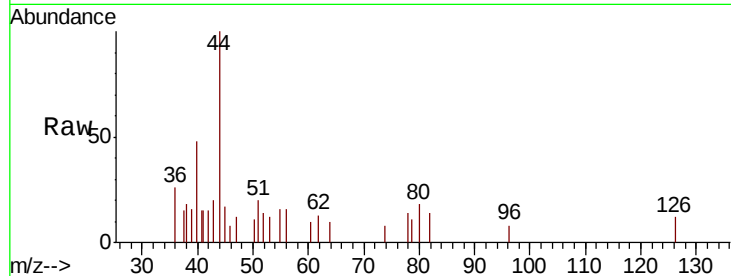
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 101.6 56.6 85.0#



#16

Acetone

Concen: 0.409 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009827.D

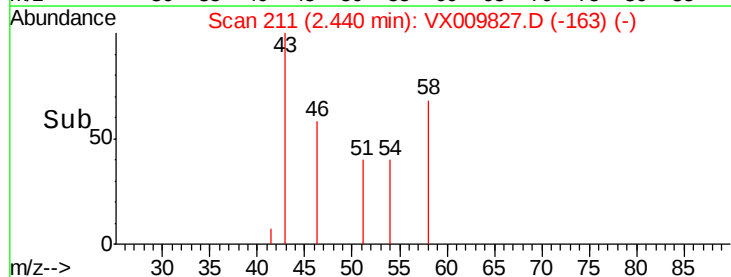
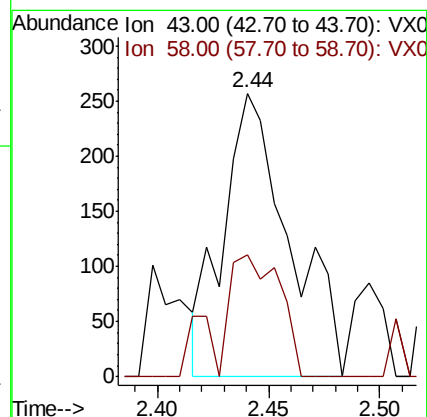
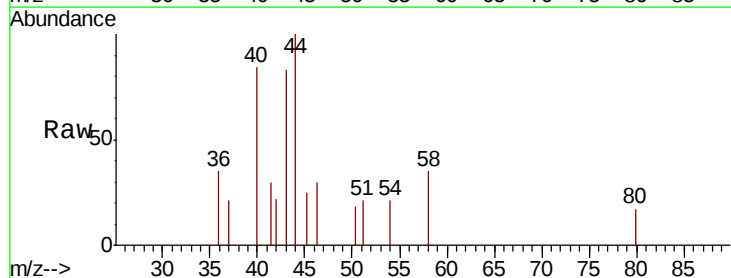
Acq: 23 May 2019 01:17

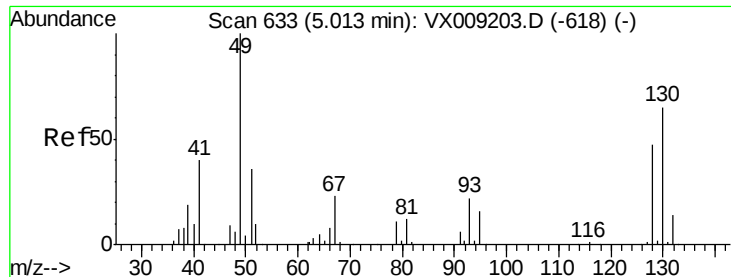
Tgt Ion: 43 Resp: 532

Ion Ratio Lower Upper

43 100

58 42.8 24.9 37.3#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

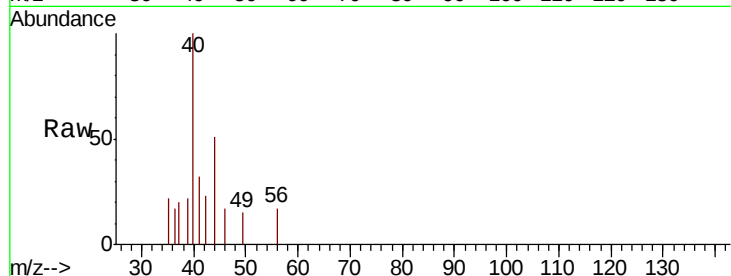
Delta R.T. 0.01 min

Lab File: VX009827.D

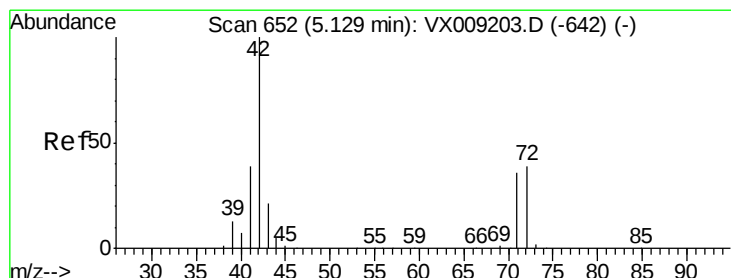
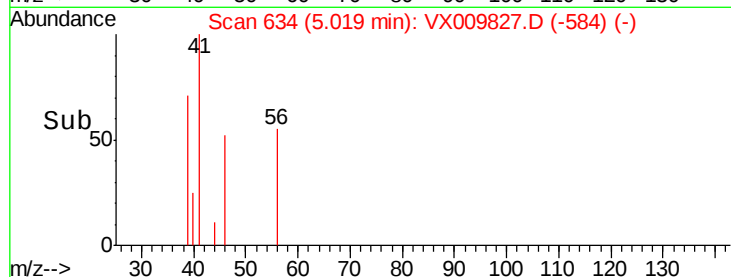
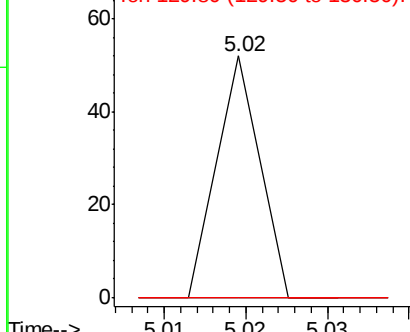
Acq: 23 May 2019 01:17

Instrument :
MSVOA_X
ClientSampled :

Tot 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



#29

Tetrahydrofuran

Concen: 0.312 ug/l

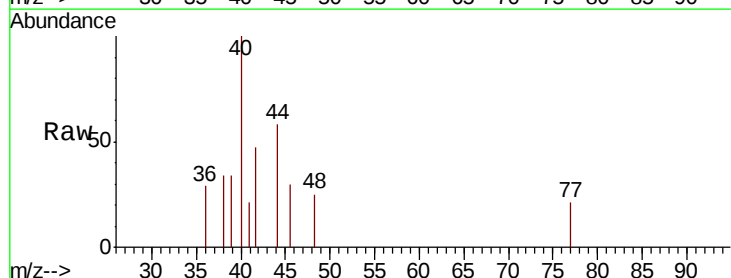
RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

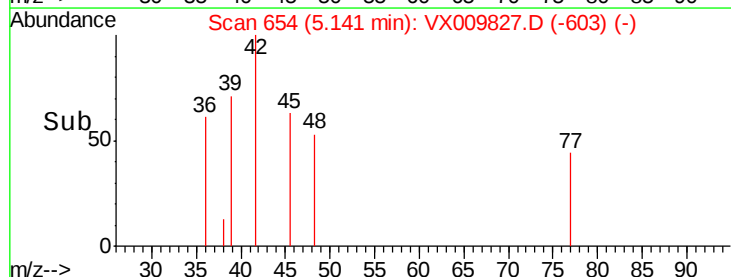
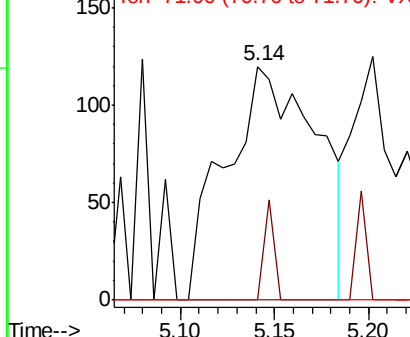
Lab File: VX009827.D

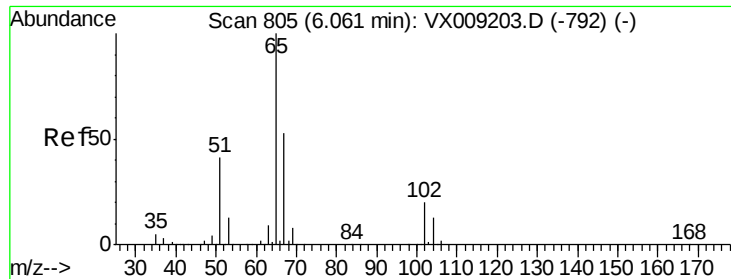
Acq: 23 May 2019 01:17

Tgt Ion: 42 Resp: 405
Ion Ratio Lower Upper
42 100
72 4.7 30.4 45.6#
71 0.0 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.817 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009827.D

Acq: 23 May 2019 01:17

Instrument :

MSVOA_X

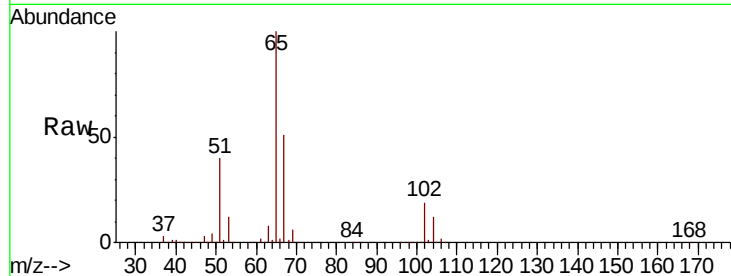
ClientSampled :

Tot Ion: 65 Resp: 122968

Ion Ratio Lower Upper

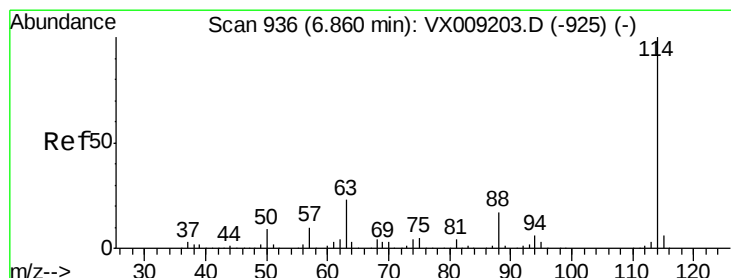
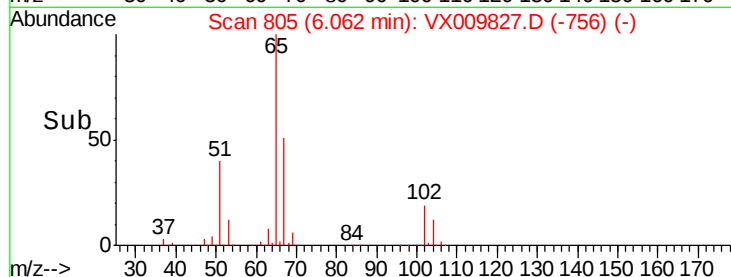
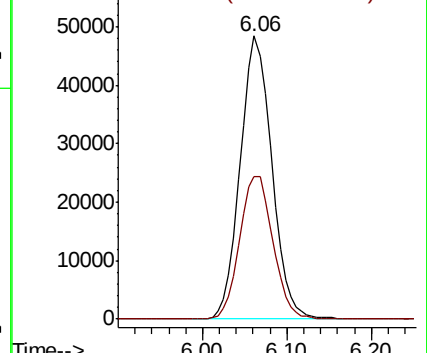
65 100

67 53.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009827.D

Acq: 23 May 2019 01:17

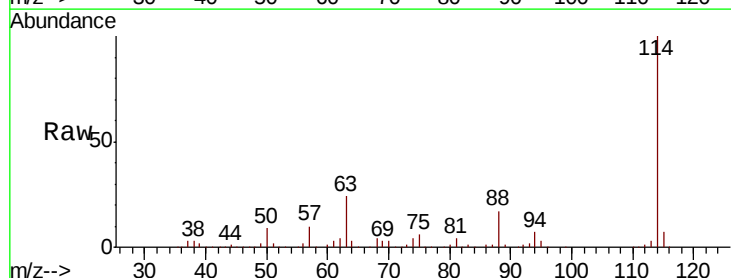
Tgt Ion: 114 Resp: 286525

Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.6

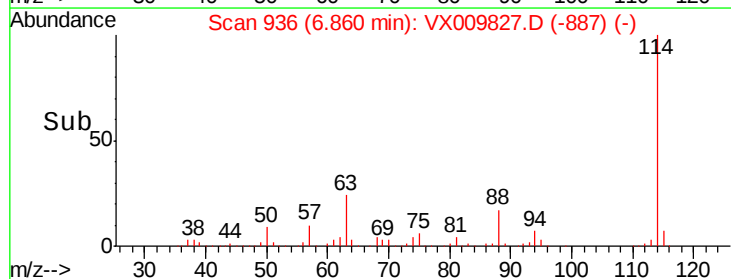
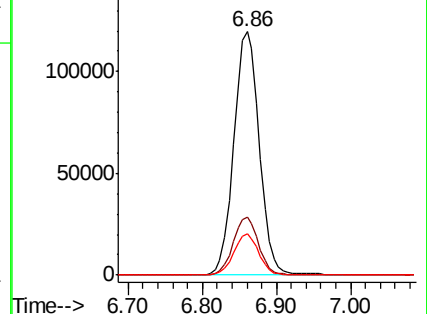
88 16.8 0.0 33.2

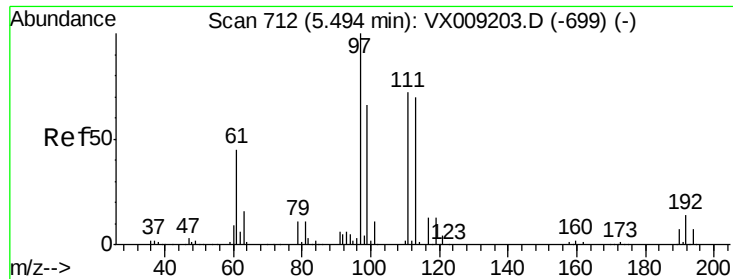


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

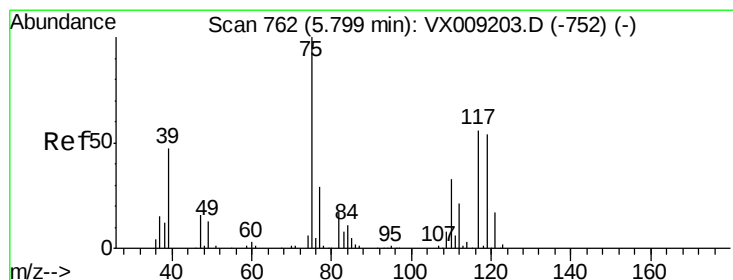
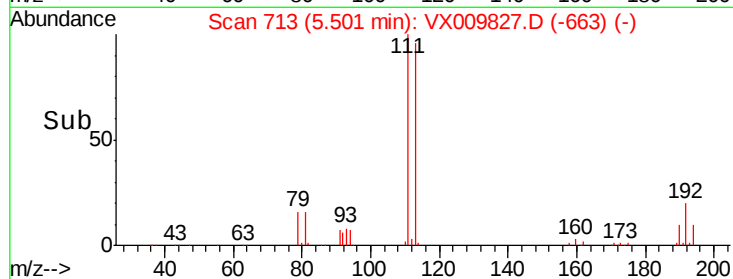
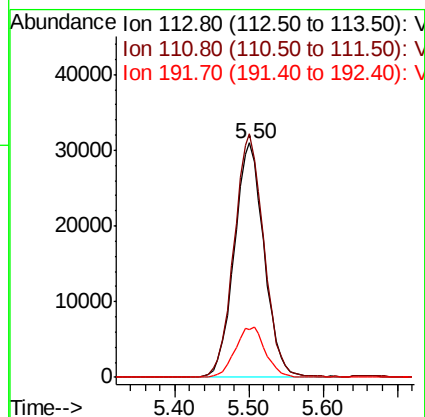
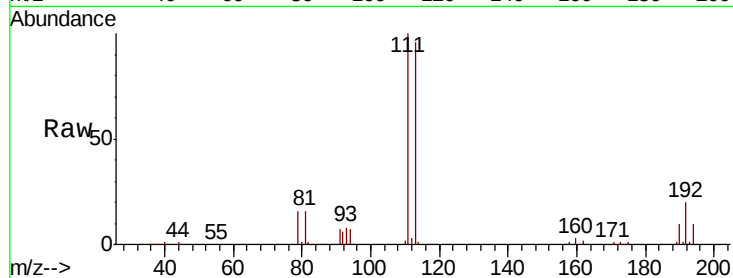




#35
 Dibromofluoromethane
 Concen: 48.250 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009827.D
 Acq: 23 May 2019 01:17

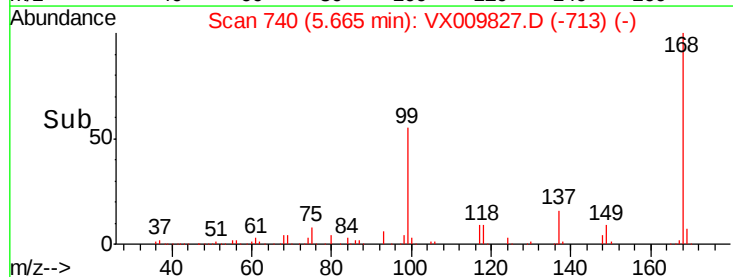
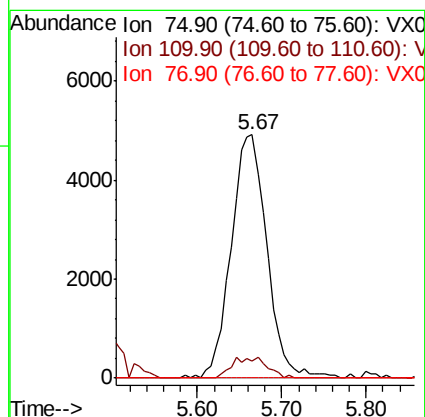
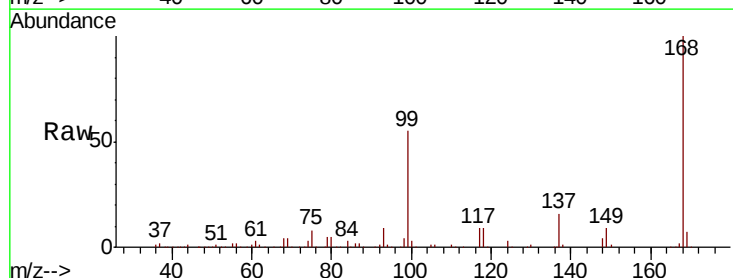
Instrument :
 MSVOA_X
 ClientSampleId :

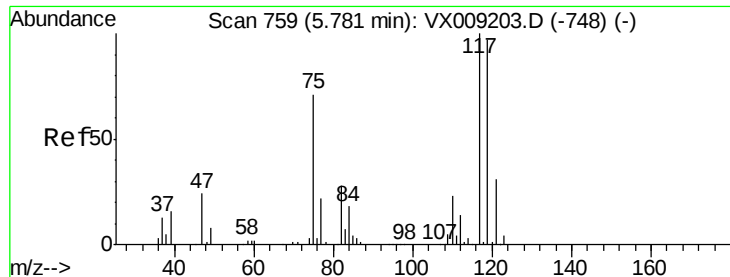
Tot Ion:113 Resp: 86909
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.8 124.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.297 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009827.D
 Acq: 23 May 2019 01:17

Tgt Ion: 75 Resp: 14104
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.013 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009827.D

Acq: 23 May 2019 01:17

Instrument :

MSVOA_X

ClientSampled :

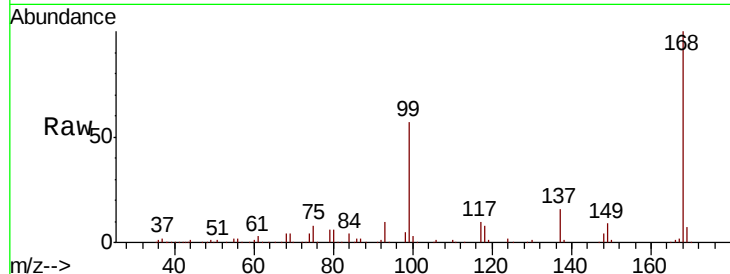
Tot Ion:117 Resp: 16967

Ion Ratio Lower Upper

117 100

119 6.1 77.5 116.3#

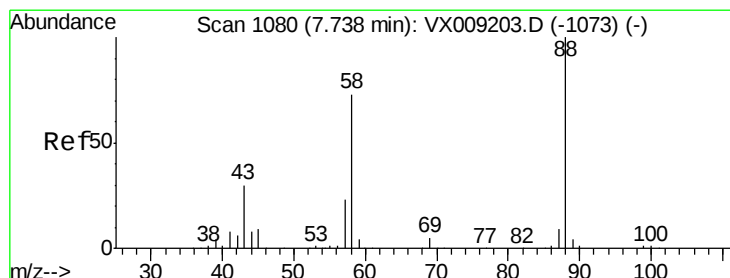
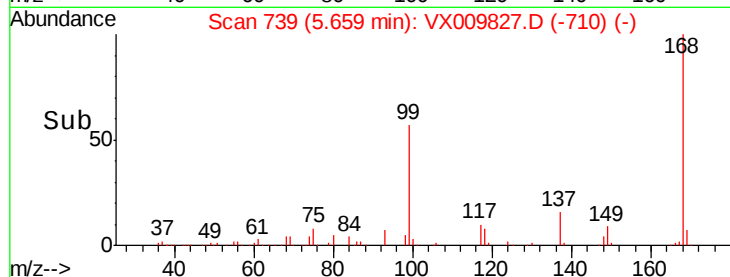
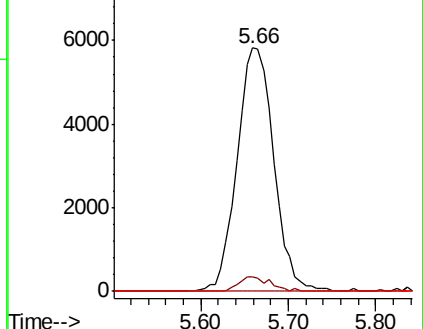
121 0.0 24.7 37.1#



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: 0.787 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. 0.10 min

Lab File: VX009827.D

Acq: 23 May 2019 01:17

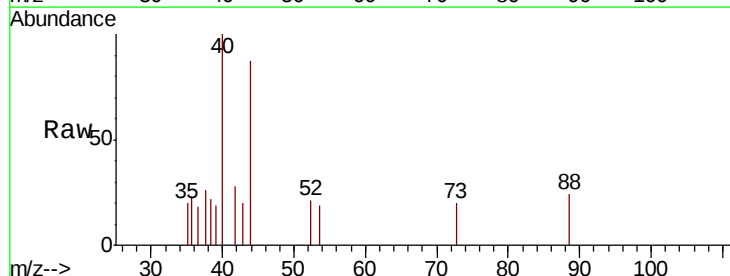
Tgt Ion: 88 Resp: 47

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

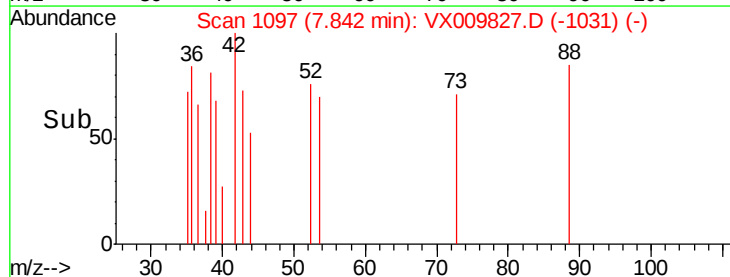
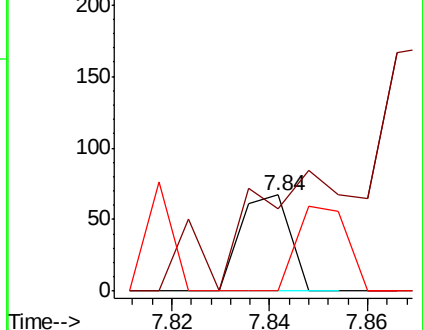
58 89.4 61.7 92.5

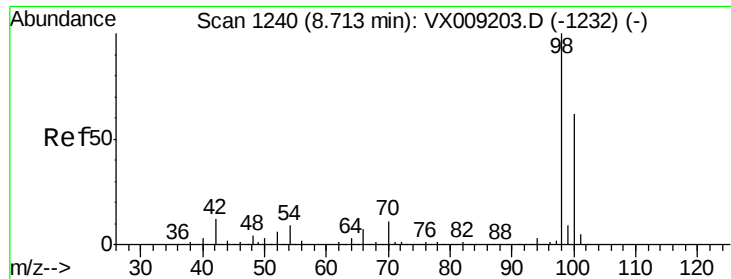


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

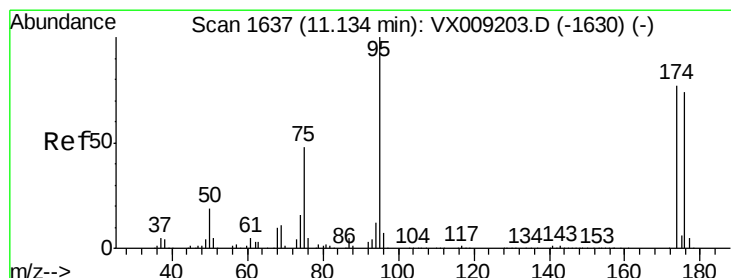
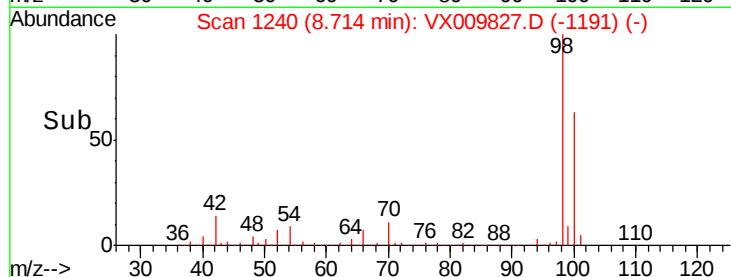
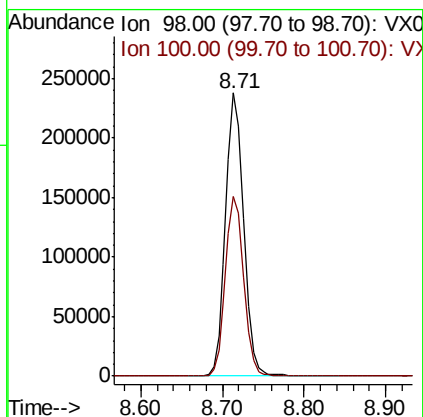
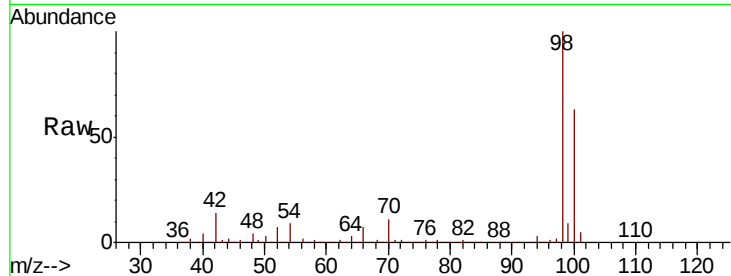




#50
Toluene-d8
Concen: 50.303 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009827.D
Acq: 23 May 2019 01:17

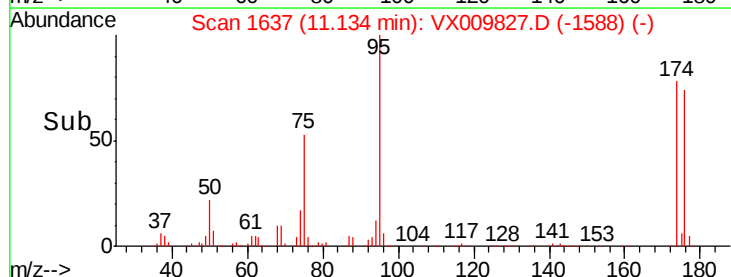
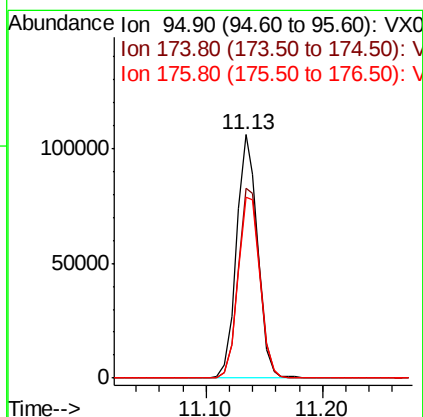
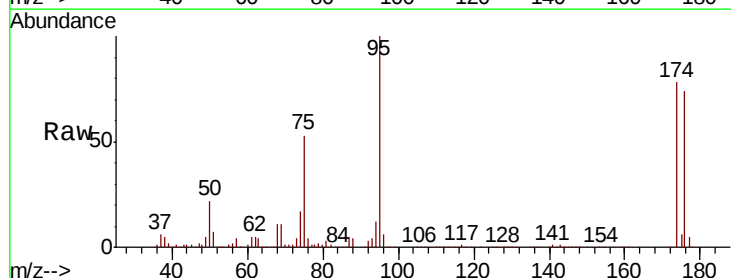
Instrument :
MSVOA_X
ClientSampled :

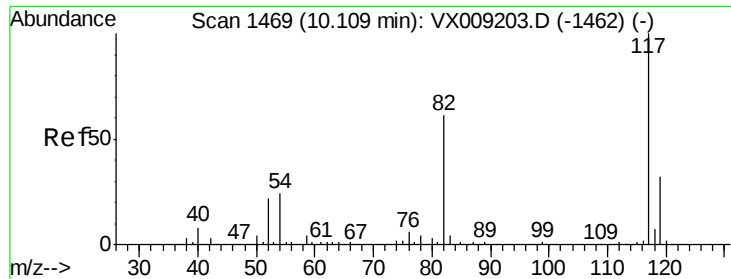
Tot Ion: 98 Resp: 365800
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 50.732 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009827.D
Acq: 23 May 2019 01:17

Tgt Ion: 95 Resp: 134051
Ion Ratio Lower Upper
95 100
174 80.4 0.0 161.6
176 77.3 0.0 159.2

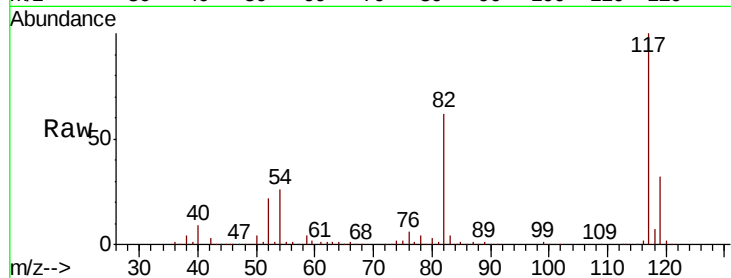




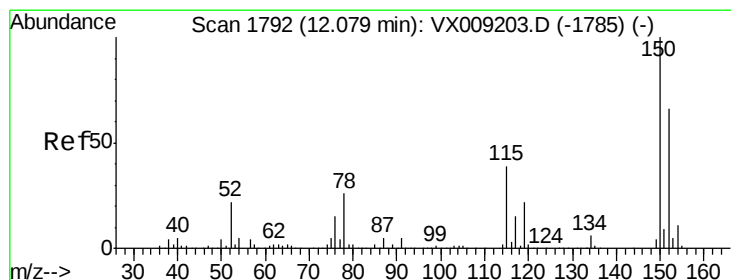
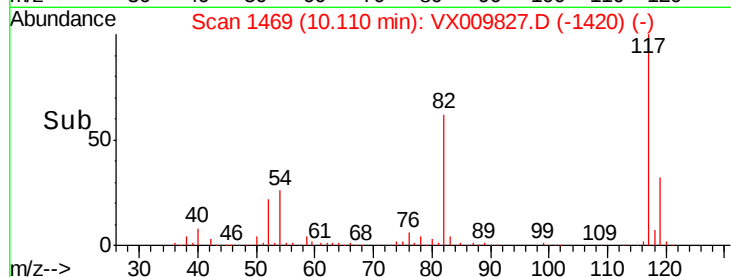
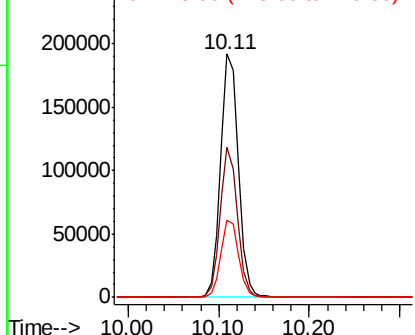
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009827.D
Acq: 23 May 2019 01:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 264454
Ion Ratio Lower Upper
117 100
82 61.6 48.8 73.2
119 31.6 25.8 38.6

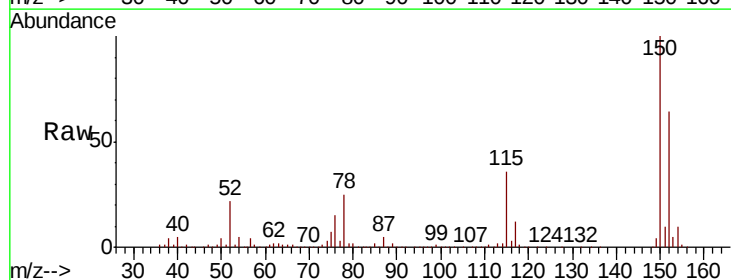


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

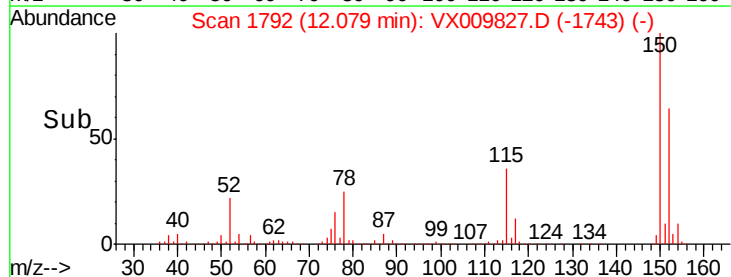
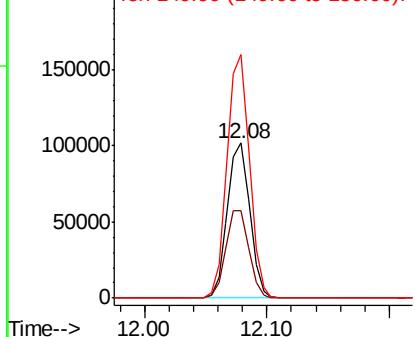


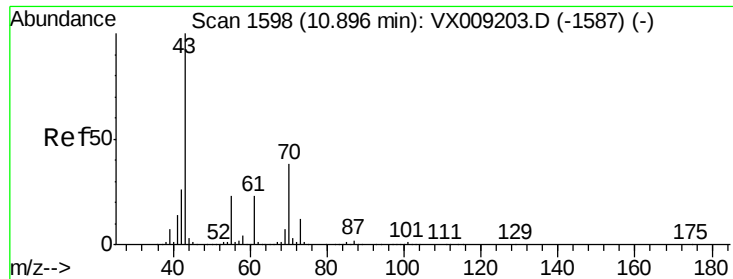
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009827.D
Acq: 23 May 2019 01:17

Tgt Ion:152 Resp: 129130
Ion Ratio Lower Upper
152 100
115 58.4 41.2 123.6
150 156.6 0.0 346.4



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





#74

N-amvl acetate

Concen: 0.224 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX009827.D

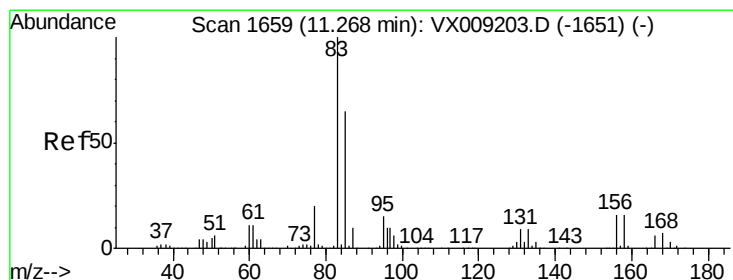
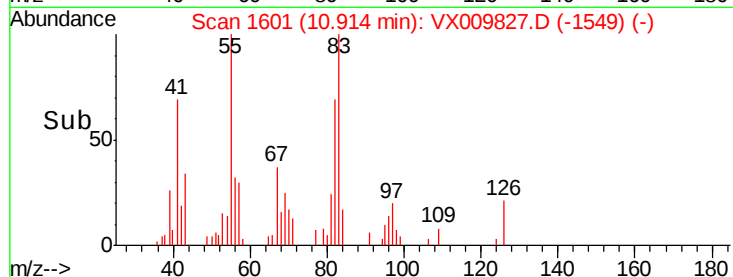
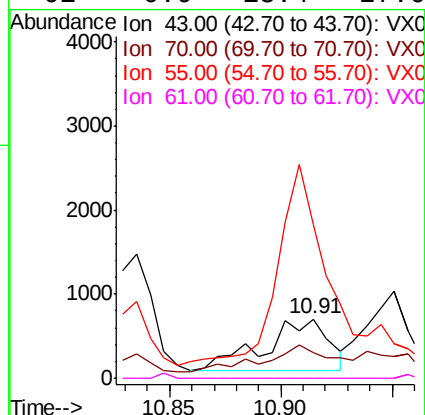
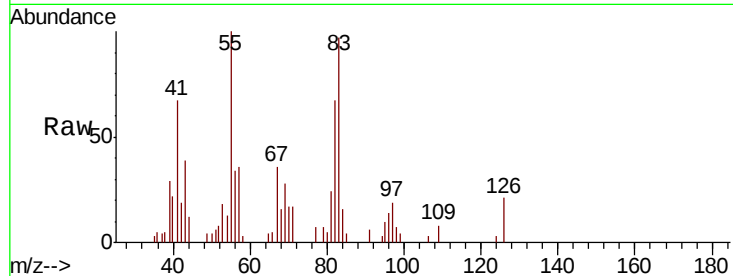
Acq: 23 May 2019 01:17

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	43	Resp:	1225
Ion	Ratio	Lower	Upper
43	100		
70	74.4	30.0	45.0#
55	360.5	17.9	26.9#
61	0.0	18.4	27.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.328 ug/l

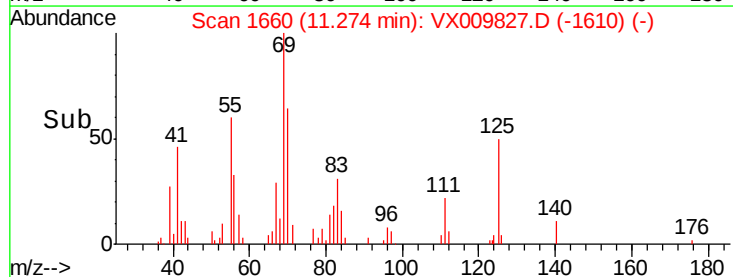
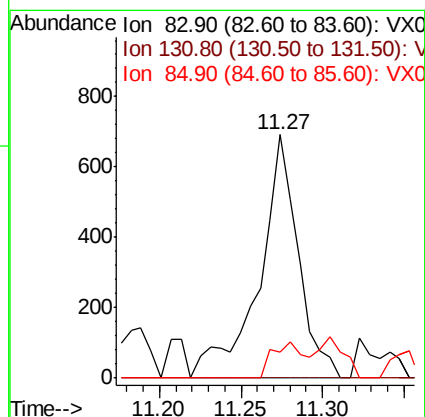
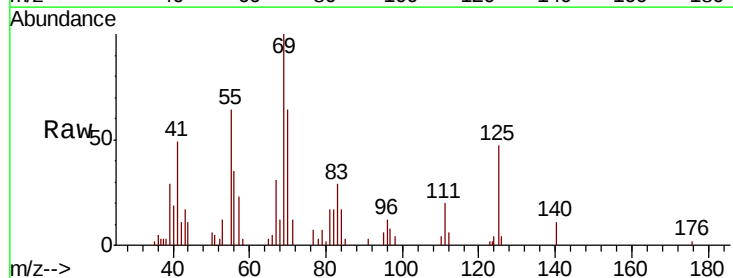
RT: 11.27 min Scan# 1660

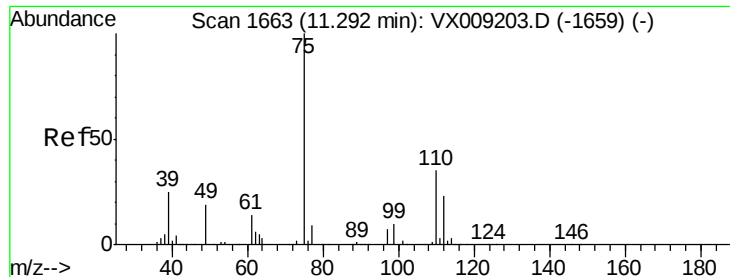
Delta R.T. 0.01 min

Lab File: VX009827.D

Acq: 23 May 2019 01:17

Tgt Ion:	83	Resp:	1149
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	12.1	32.0	96.2#





#76

1,2,3-Trichloropropane

Concen: 22.980 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009827.D

Acq: 23 May 2019 01:17

Instrument :

MSVOA_X

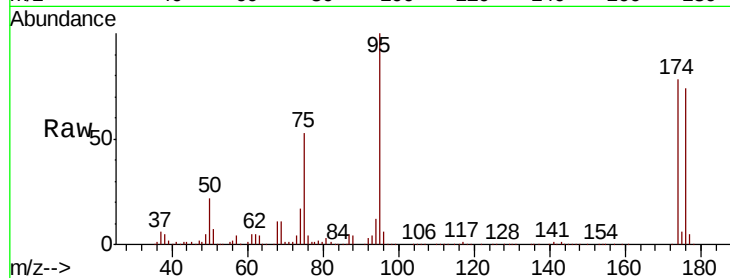
ClientSampleId :

Tot Ion: 75 Resp: 68833

Ion Ratio Lower Upper

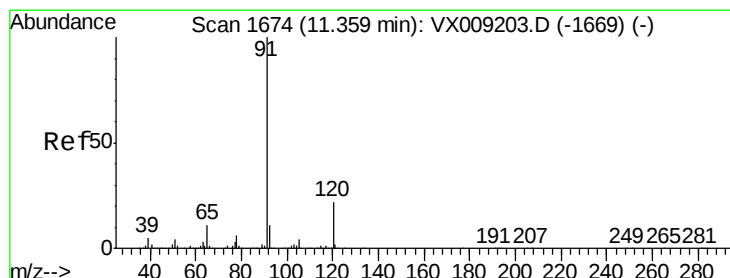
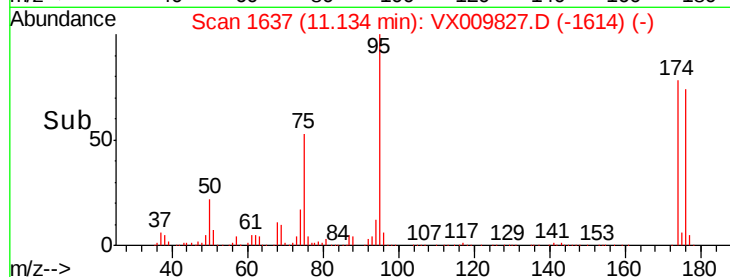
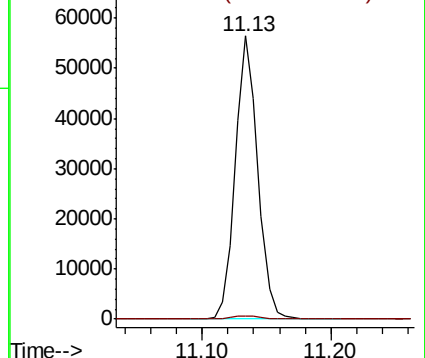
75 100

77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 0.455 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009827.D

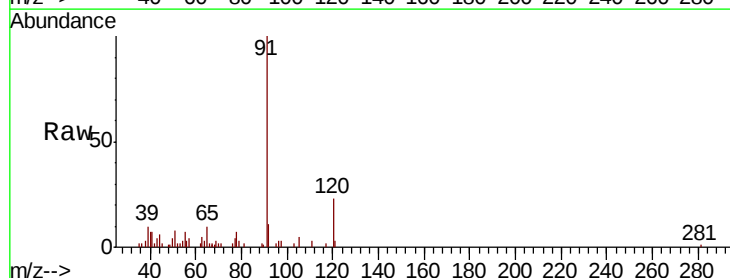
Acq: 23 May 2019 01:17

Tgt Ion: 91 Resp: 4880

Ion Ratio Lower Upper

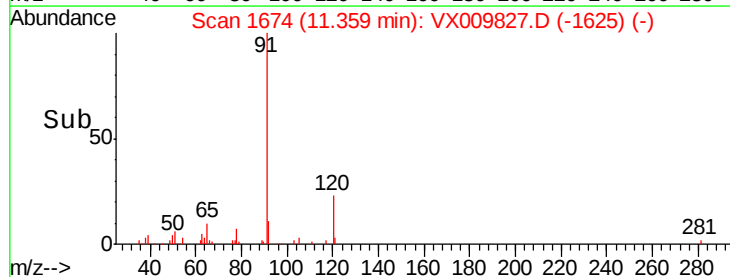
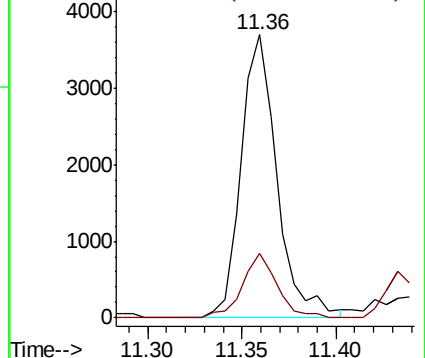
91 100

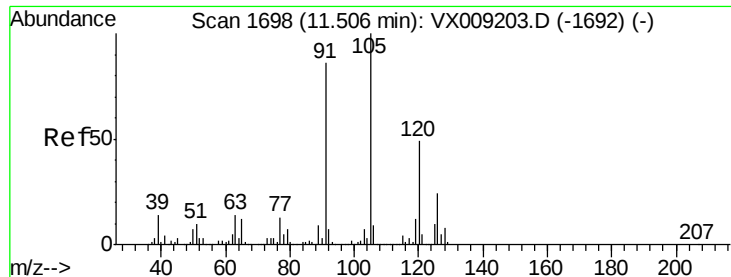
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.504 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009827.D

Acq: 23 May 2019 01:17

Instrument :

MSVOA_X

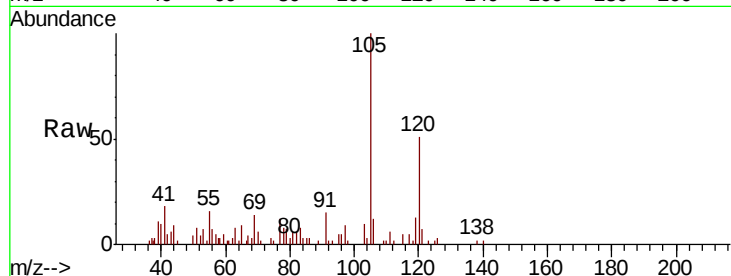
ClientSampleId :

Tot Ion:105 Resp: 3982

Ion Ratio Lower Upper

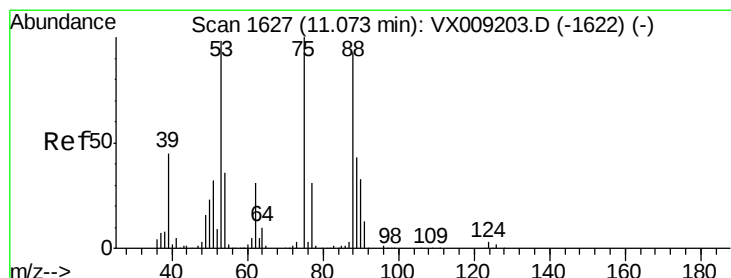
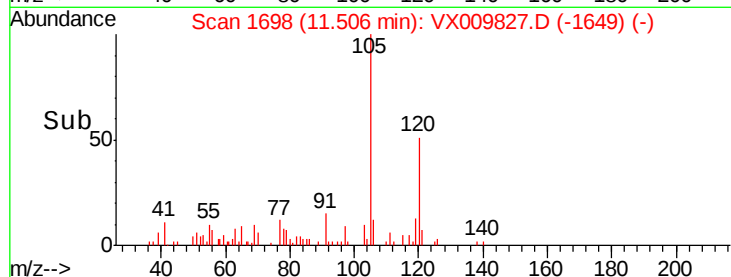
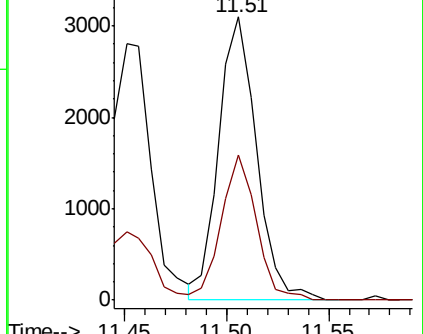
105 100

120 47.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 58.797 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009827.D

Acq: 23 May 2019 01:17

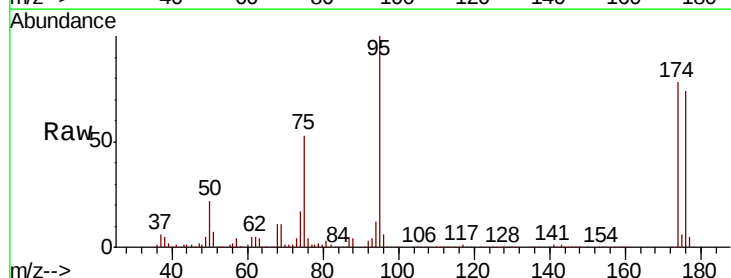
Tgt Ion: 75 Resp: 68833

Ion Ratio Lower Upper

75 100

53 0.3 79.0 118.6#

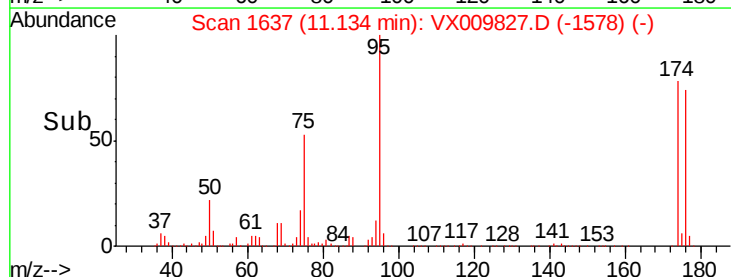
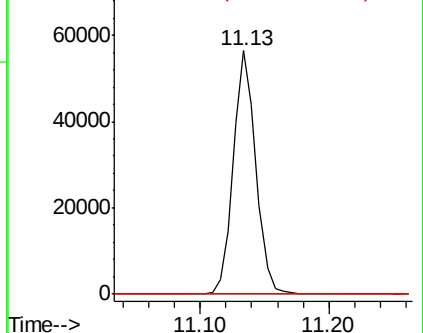
89 0.0 34.7 52.1#

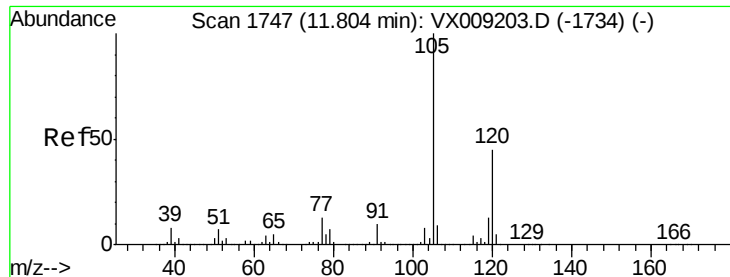


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

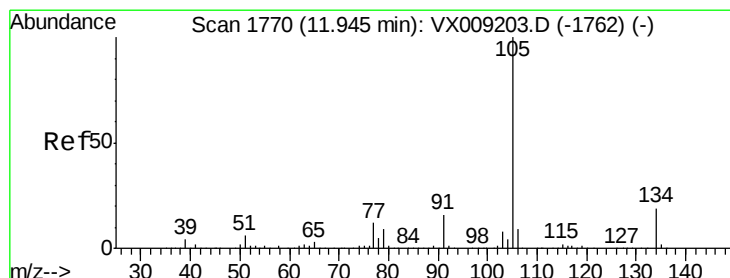
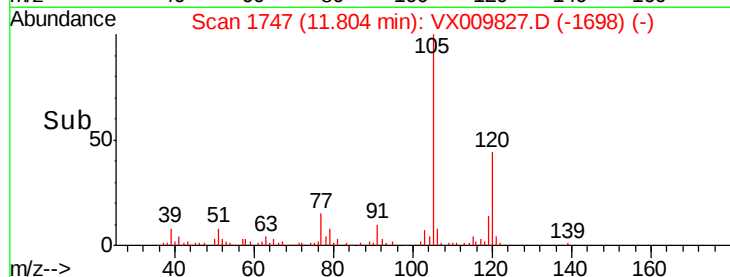
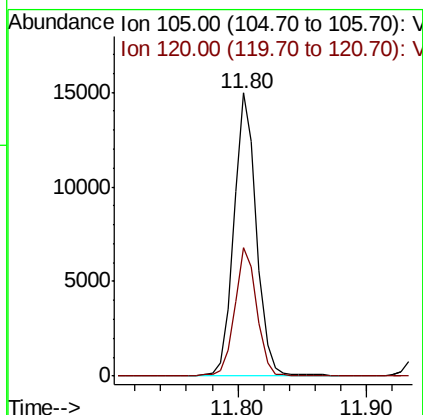
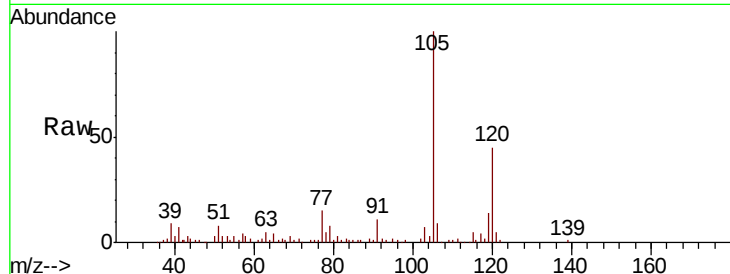




#84
 1,2,4-Trimethylbenzene
 Concen: 2.292 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009827.D
 Acq: 23 May 2019 01:17

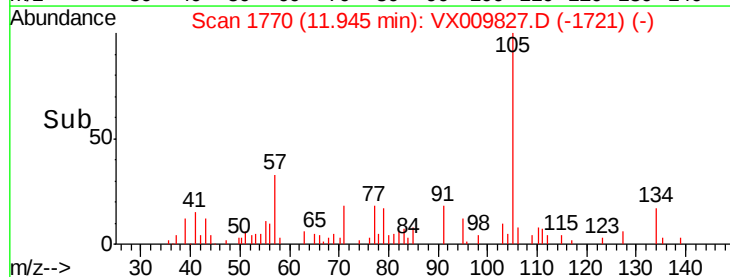
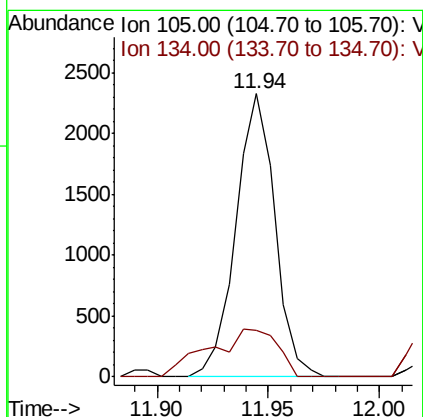
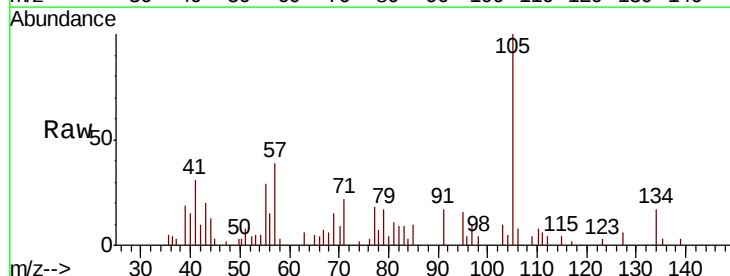
Instrument :
 MSVOA_X
 ClientSampleId :

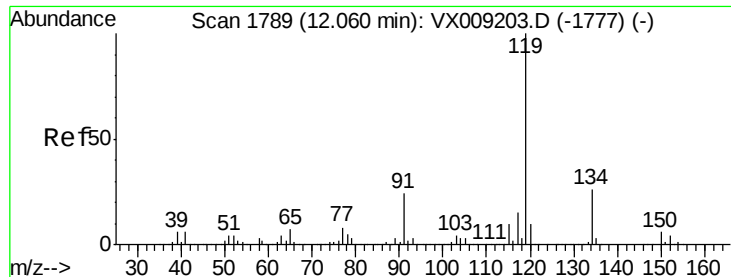
Tot Ion:105 Resp: 18193
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 0.312 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009827.D
 Acq: 23 May 2019 01:17

Tgt Ion:105 Resp: 2845
 Ion Ratio Lower Upper
 105 100
 134 29.5 9.7 28.9#

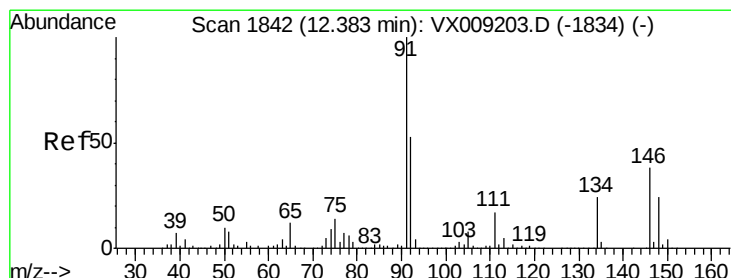
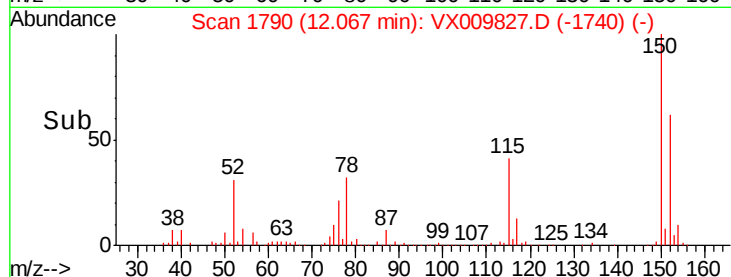
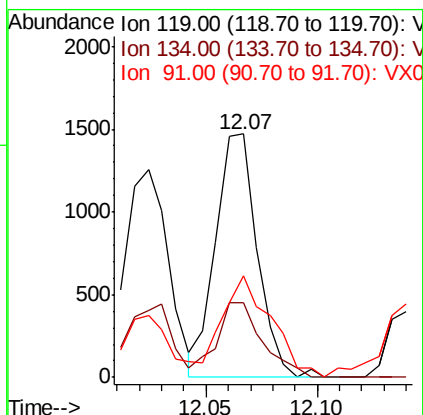
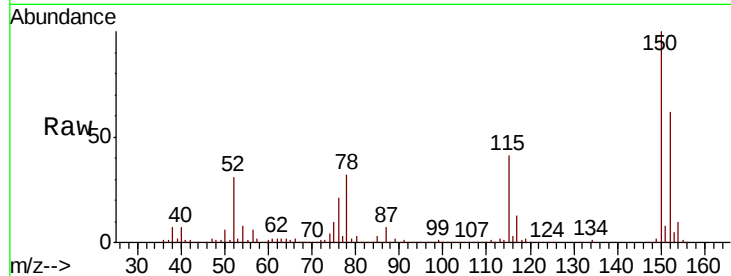




#86
p-Isopropyltoluene
Concen: 0.234 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX009827.D
Acq: 23 May 2019 01:17

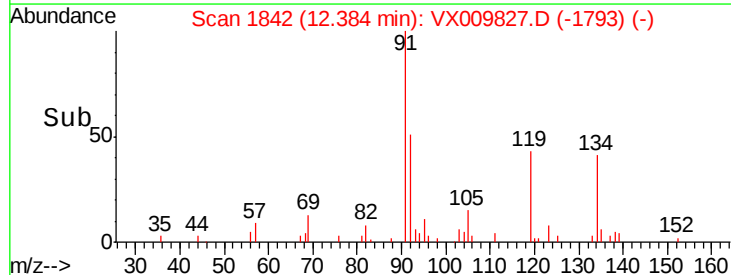
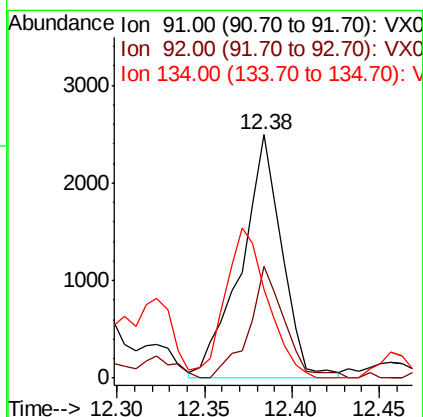
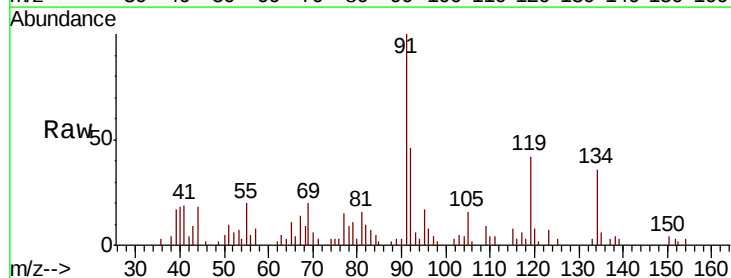
Instrument :
MSVOA_X
ClientSampleId :

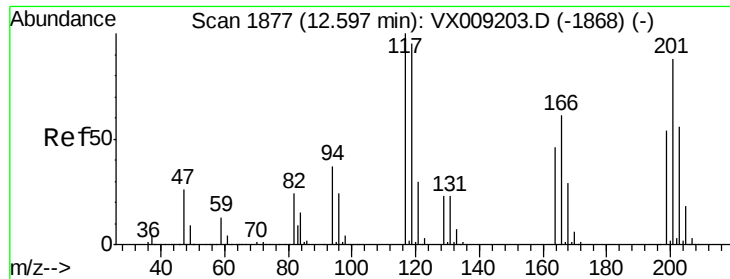
Tot Ion:119 Resp: 1922
Ion Ratio Lower Upper
119 100
134 33.7 12.9 38.7
91 47.9 11.8 35.4#



#89
n-Butylbenzene
Concen: 0.547 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009827.D
Acq: 23 May 2019 01:17

Tgt Ion: 91 Resp: 4054
Ion Ratio Lower Upper
91 100
92 39.5 26.5 79.5
134 64.0 12.4 37.2#





#90

Hexachloroethane

Concen: 0.489 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX009827.D

Acq: 23 May 2019 01:17

Instrument :

MSVOA_X

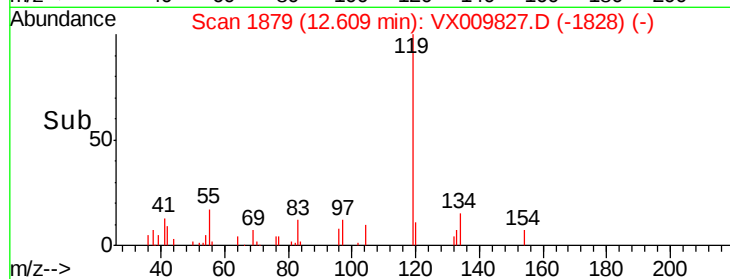
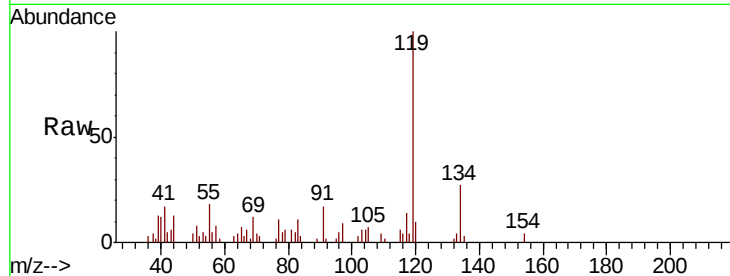
ClientSampleId :

Tot Ion:117 Resp: 683

Ion Ratio Lower Upper

117 100

201 0.0 42.3 126.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

