

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009825.D
 Acq On : 23 May 2019 00:31
 Operator : JC/SP
 Sample : K2976-04 50X
 Misc : 6.67µ/5mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 07:22:56 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	180896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	291345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129245	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	125204	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	5.49	113	88950	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	8.71	98	372079	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.13	95	136389	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	

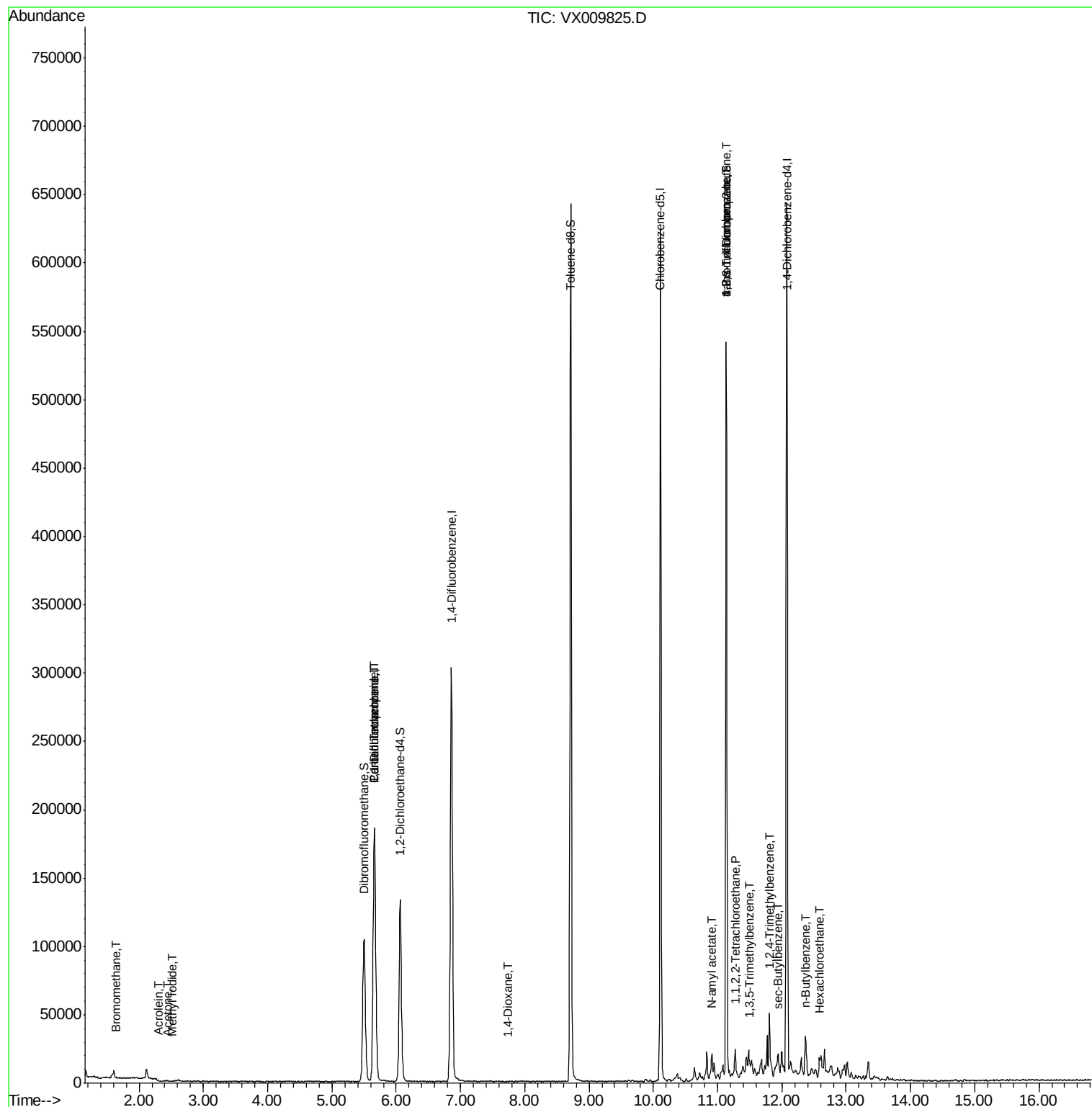
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	280	0.210	ug/l #	78
10) Methyl Iodide	2.52	142	80	4.631	ug/l #	42
13) Acrolein	2.29	56	130	0.251	ug/l #	28
16) Acetone	2.45	43	554	0.418	ug/l #	29
28) Bromochloromethane	5.03	49	150	Below Cal	#	20
36) 1,1-Dichloropropene	5.66	75	13690	5.056	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17368	7.060	ug/l #	16
49) 1,4-Dioxane	7.74	88	19	0.313	ug/l #	20
74) N-amyl acetate	10.91	43	2167	0.395	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	1230	0.351	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	70190	23.412	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.51	105	1977	0.250	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.13	75	70190	59.903	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	16288	2.051	ug/l	99
85) sec-Butylbenzene	11.94	105	2955	0.324	ug/l #	66
89) n-Butylbenzene	12.38	91	3880	0.523	ug/l #	74
90) Hexachloroethane	12.58	117	469	0.336	ug/l #	7

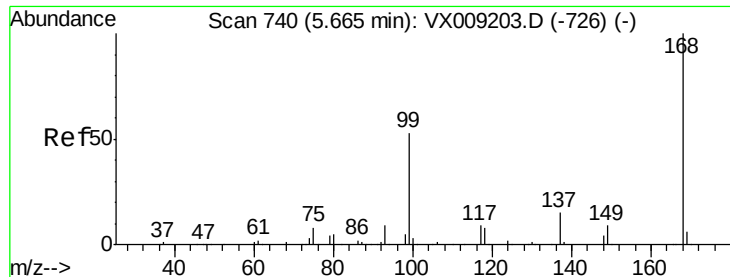
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 23 07:22:56 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: VX009825.D

Acq: 23 May 2019 00:31

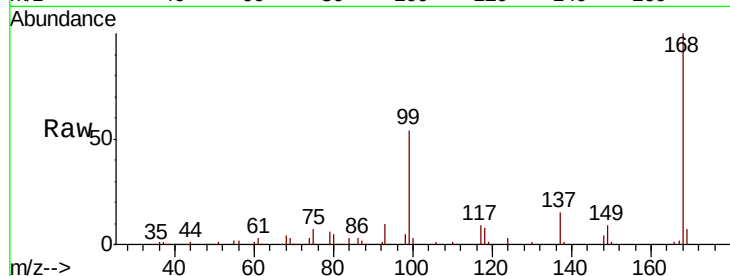
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 180896

Ion Ratio Lower Upper

168 100

99 54.2 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

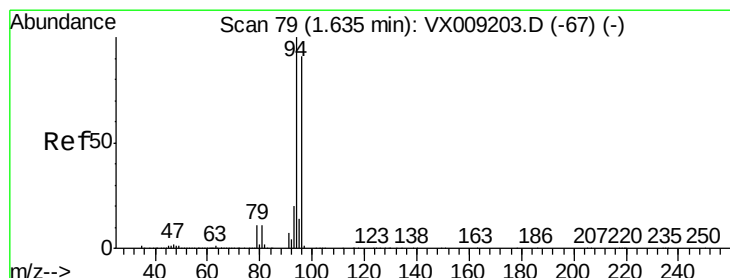
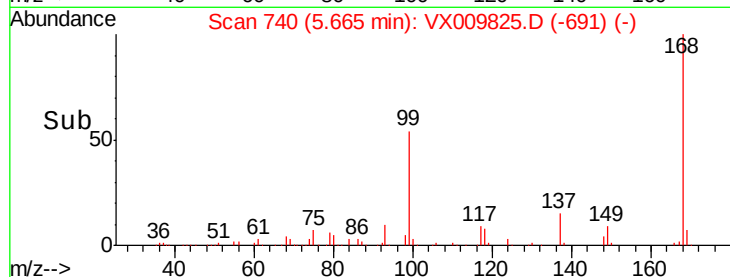
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.210 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009825.D

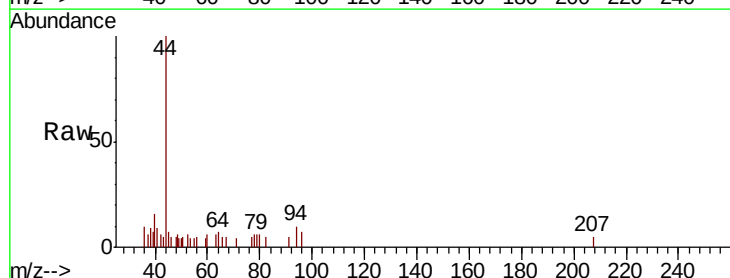
Acq: 23 May 2019 00:31

Tgt Ion: 94 Resp: 280

Ion Ratio Lower Upper

94 100

96 70.4 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

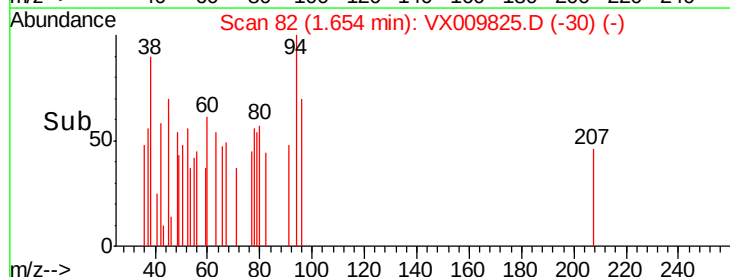
100

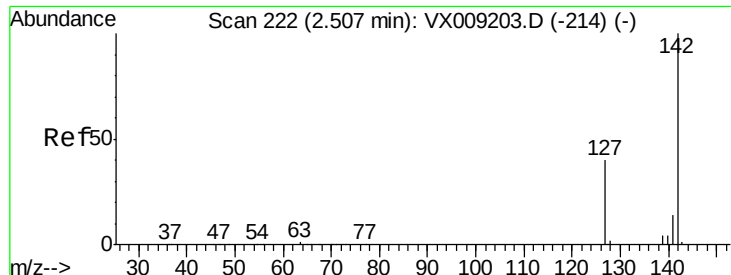
50

0

Time-->

1.60 1.65 1.70

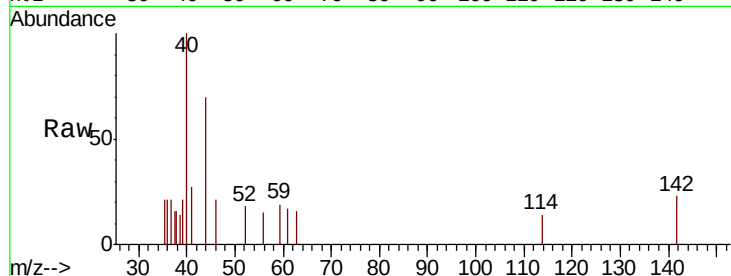




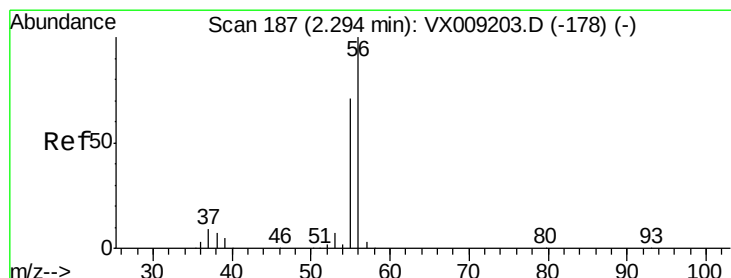
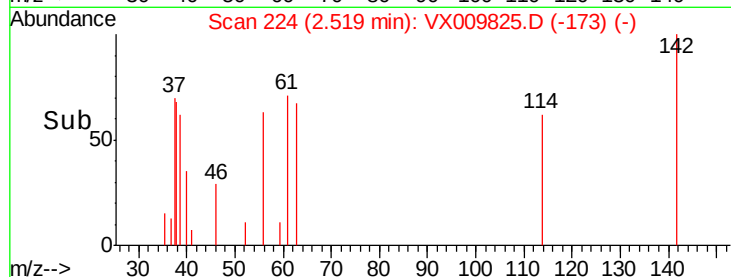
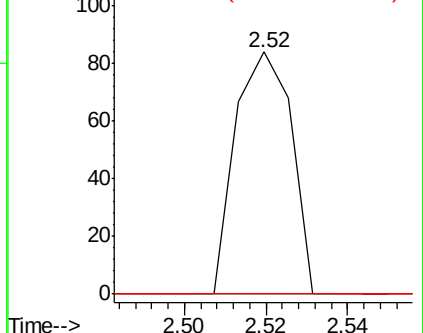
#10
Methvl Iodide
Concen: 4.631 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009825.D
Acq: 23 May 2019 00:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 80
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

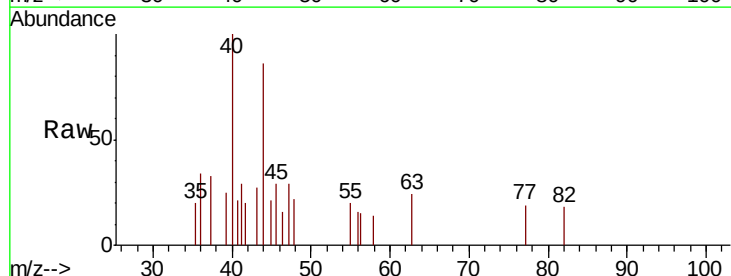


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

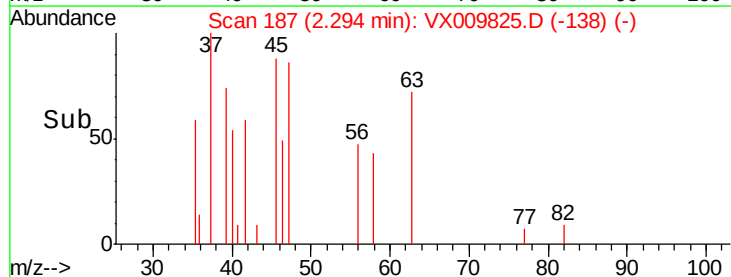
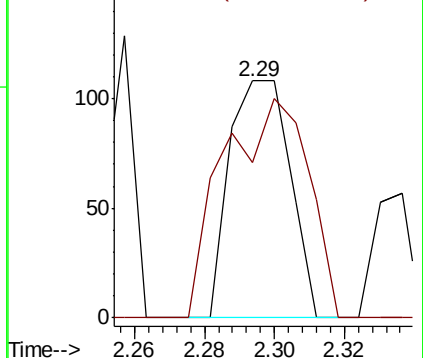


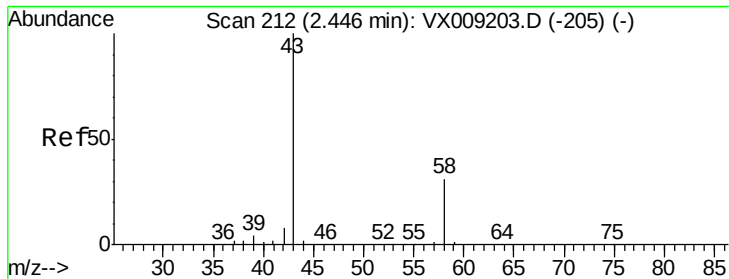
#13
Acrolein
Concen: 0.251 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009825.D
Acq: 23 May 2019 00:31

Tgt Ion: 56 Resp: 130
Ion Ratio Lower Upper
56 100
55 130.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0

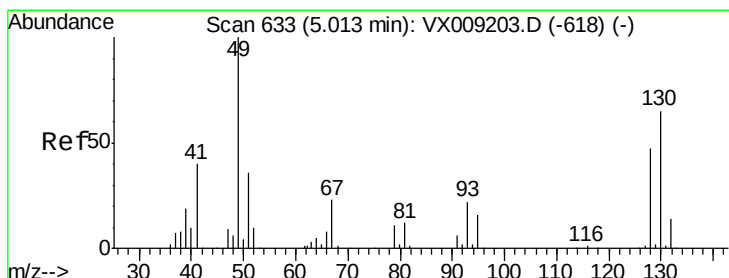
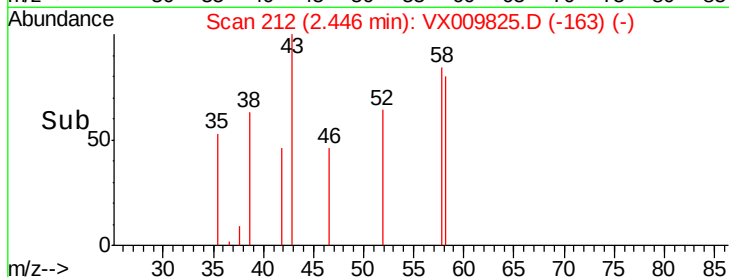
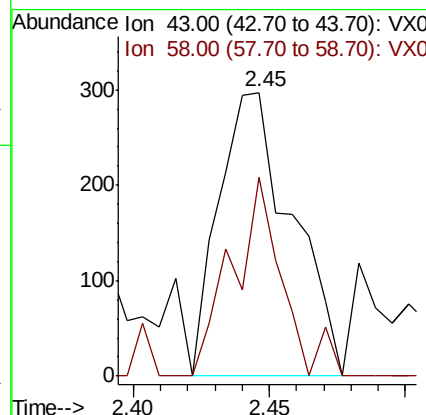
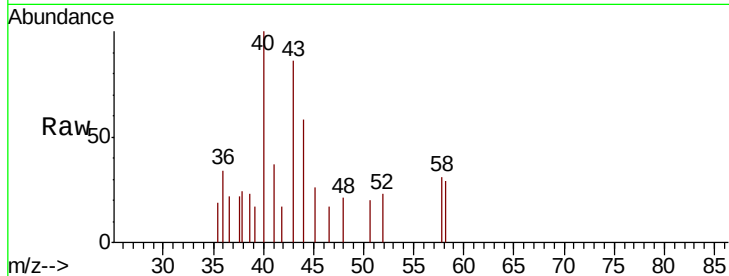




#16
Acetone
Concen: 0.418 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX009825.D
Acq: 23 May 2019 00:31

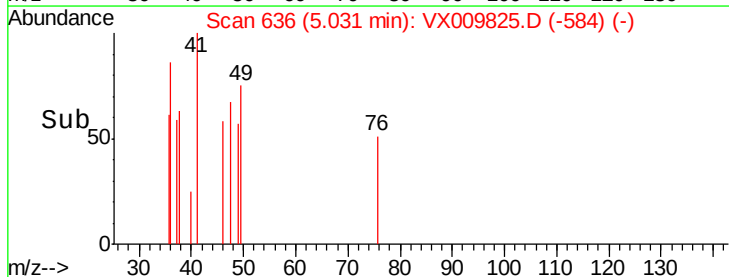
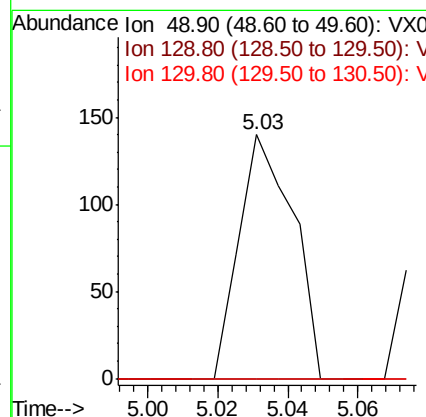
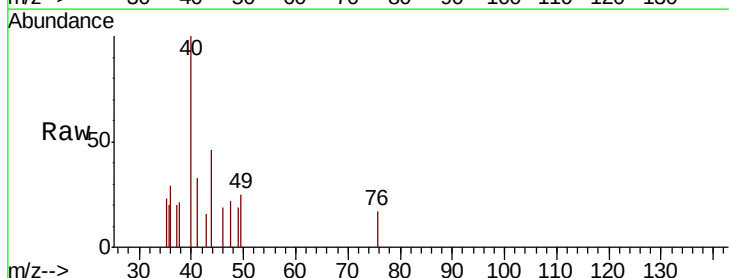
Instrument :
MSVOA_X
ClientSampled :

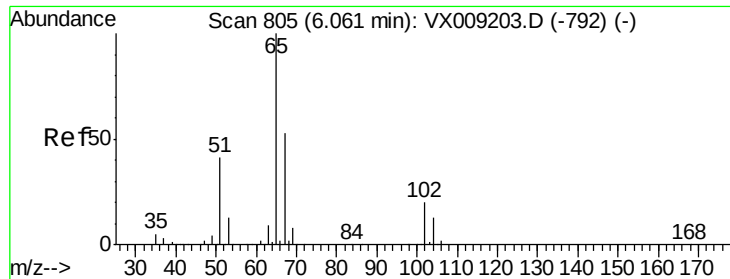
Tot Ion: 43 Resp: 554
Ion Ratio Lower Upper
43 100
58 70.4 24.9 37.3#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.02 min
Lab File: VX009825.D
Acq: 23 May 2019 00:31

Tgt Ion: 49 Resp: 150
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#

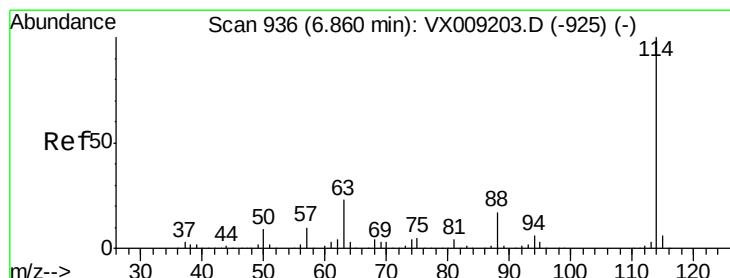
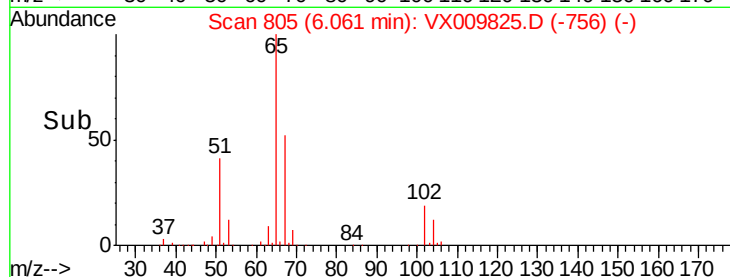
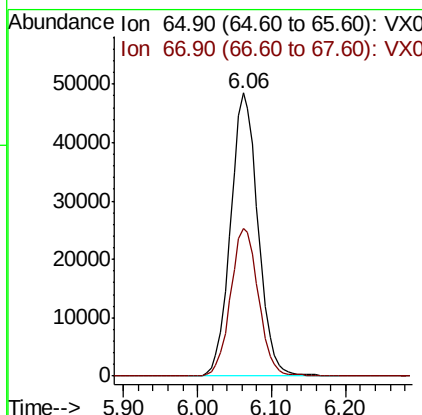
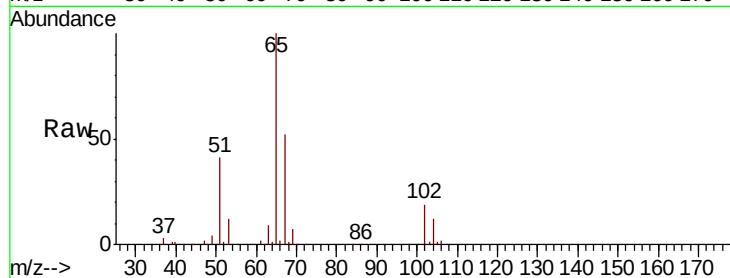




#33
 1,2-Dichloroethane-d4
 Concen: 50.701 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009825.D
 Acq: 23 May 2019 00:31

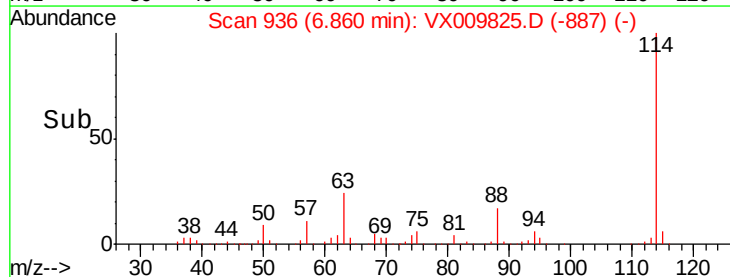
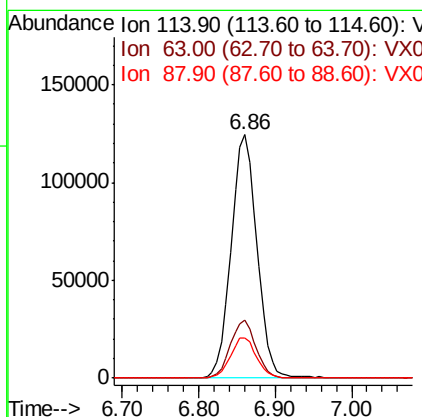
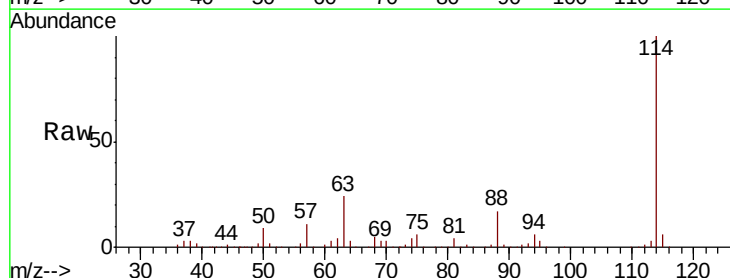
Instrument :
 MSVOA_X
 ClientSampleId :

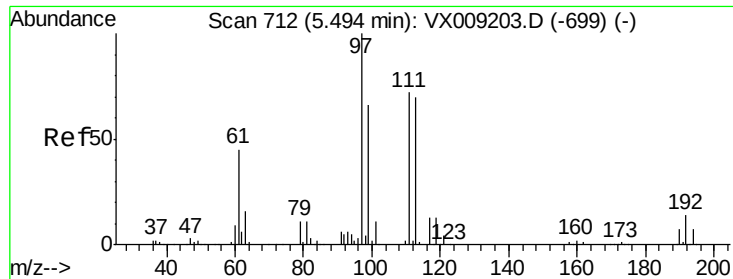
Tot Ion: 65 Resp: 125204
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009825.D
 Acq: 23 May 2019 00:31

Tgt Ion: 114 Resp: 291345
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 45.6
 88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.566 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009825.D

Acq: 23 May 2019 00:31

Instrument :

MSVOA_X

ClientSampleId :

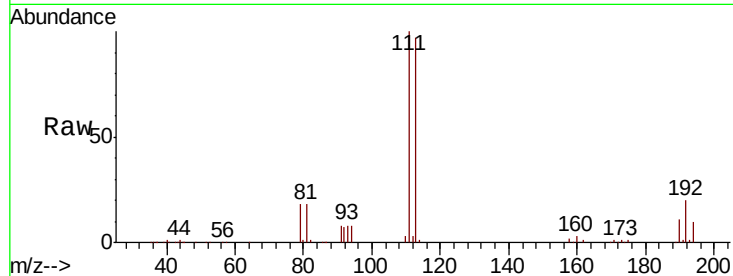
Tot Ion:113 Resp: 88950

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

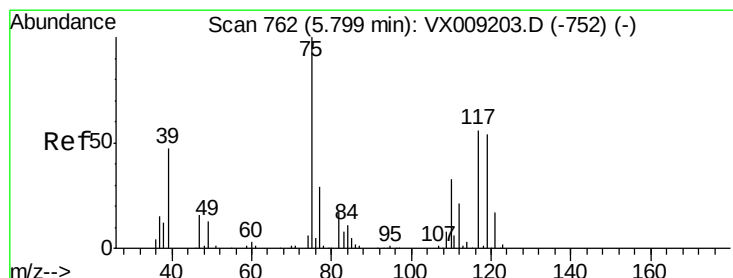
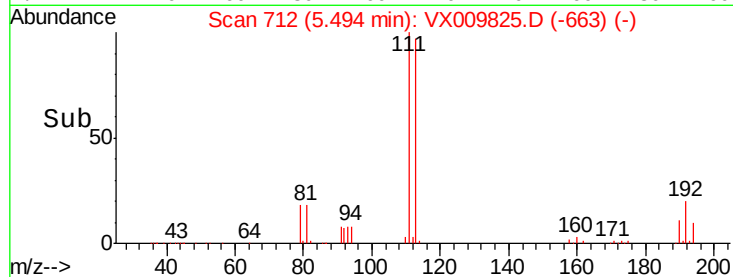
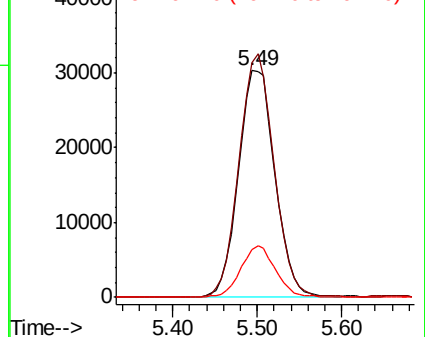
192 21.6 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.056 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009825.D

Acq: 23 May 2019 00:31

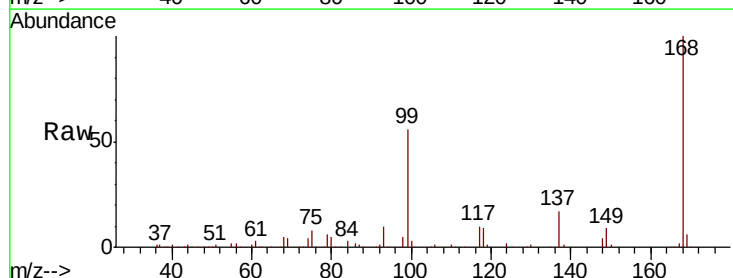
Tgt Ion: 75 Resp: 13690

Ion Ratio Lower Upper

75 100

110 9.5 16.9 50.6#

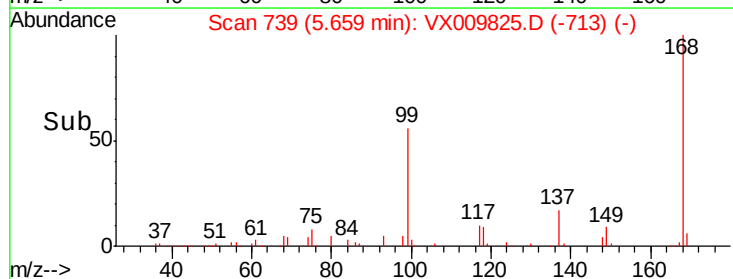
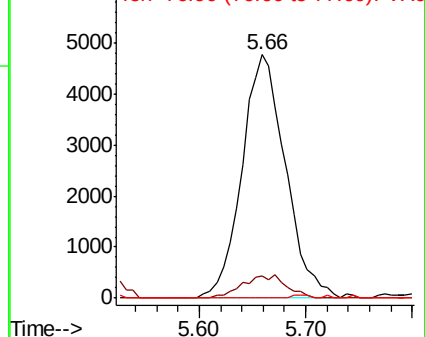
77 0.0 24.8 37.2#

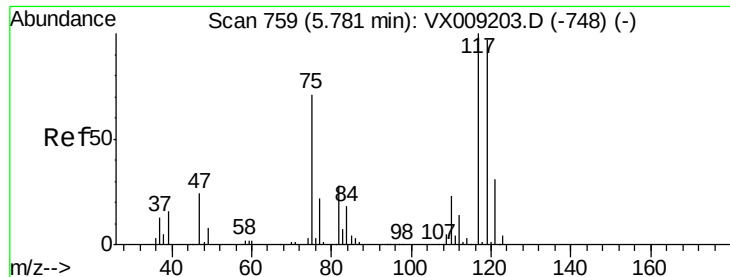


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.060 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009825.D

Acq: 23 May 2019 00:31

Instrument :

MSVOA_X

ClientSampled :

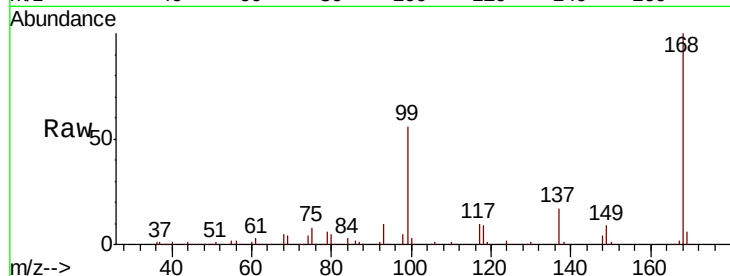
Tot Ion:117 Resp: 17368

Ion Ratio Lower Upper

117 100

119 5.8 77.5 116.3#

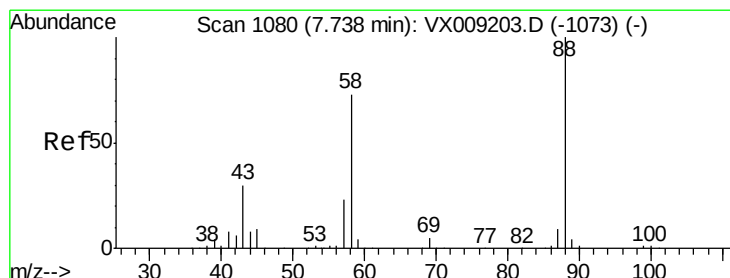
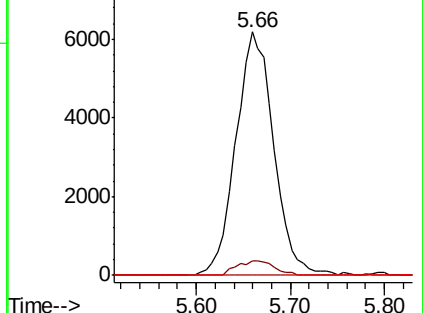
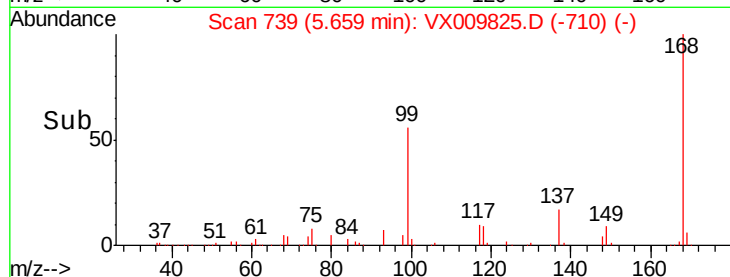
121 0.0 24.7 37.1#



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: 0.313 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009825.D

Acq: 23 May 2019 00:31

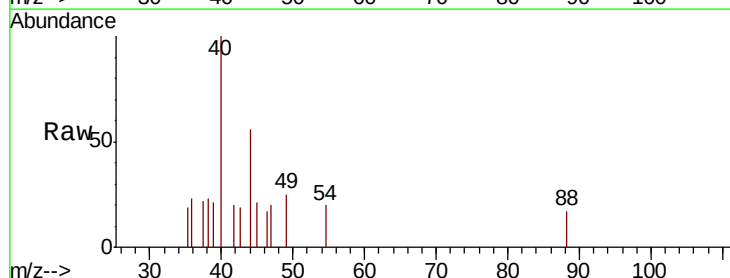
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

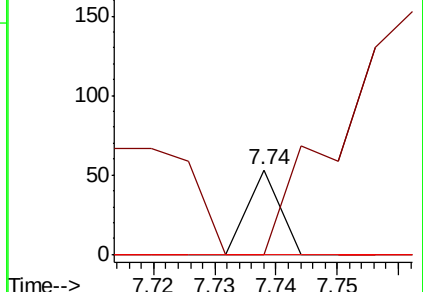
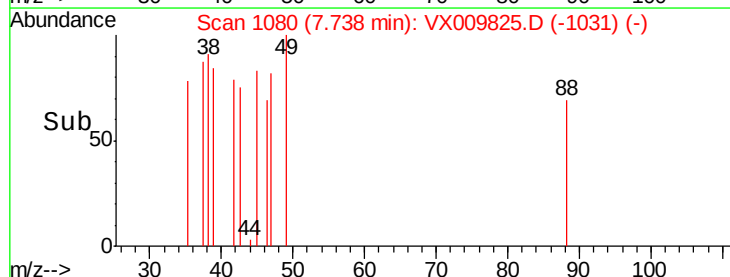
58 0.0 61.7 92.5#

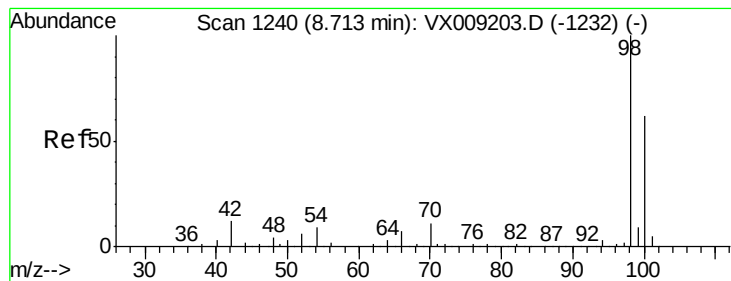


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.320 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009825.D

Acq: 23 May 2019 00:31

Instrument :

MSVOA_X

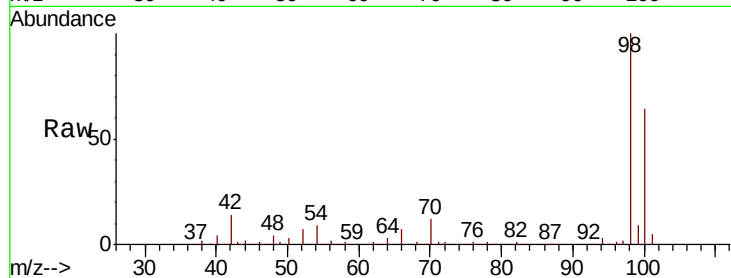
ClientSampleId :

Tot Ion: 98 Resp: 372079

Ion Ratio Lower Upper

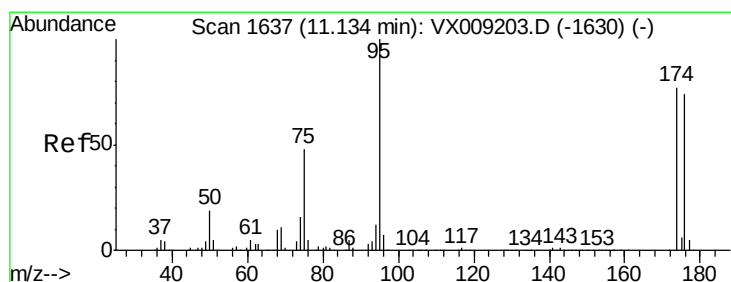
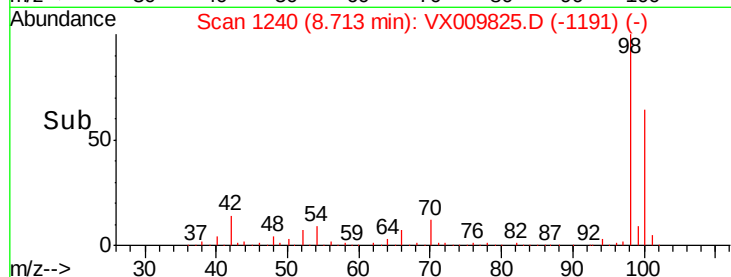
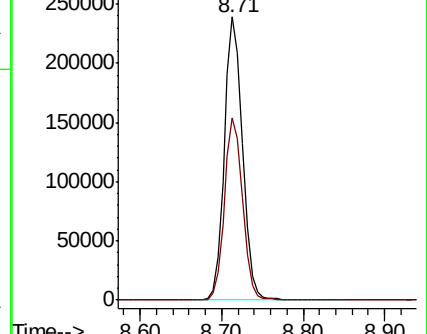
98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 50.763 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009825.D

Acq: 23 May 2019 00:31

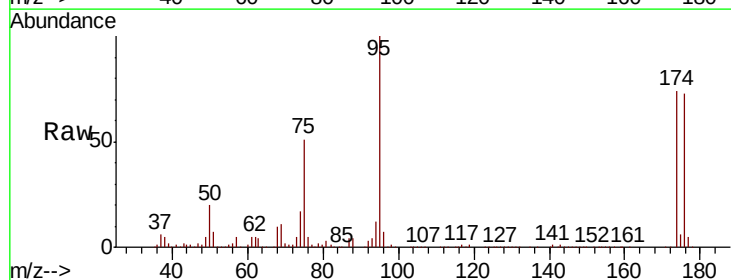
Tgt Ion: 95 Resp: 136389

Ion Ratio Lower Upper

95 100

174 79.5 0.0 161.6

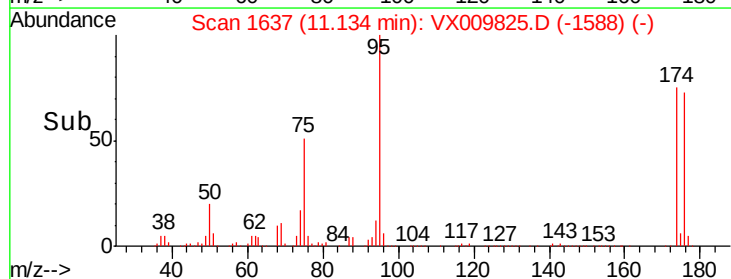
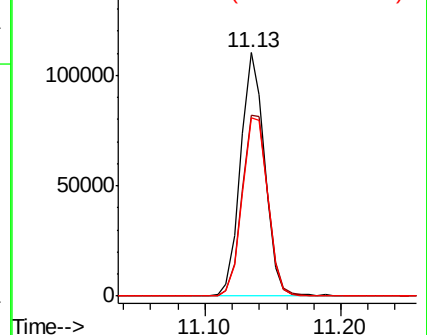
176 77.6 0.0 159.2

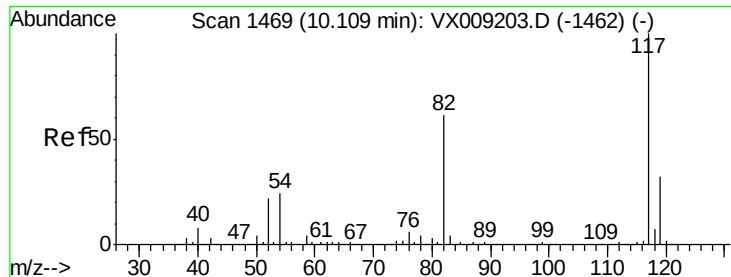


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

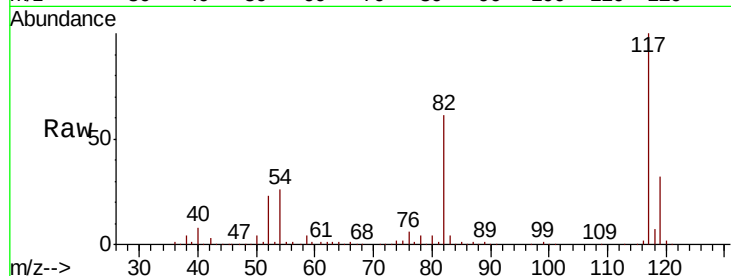




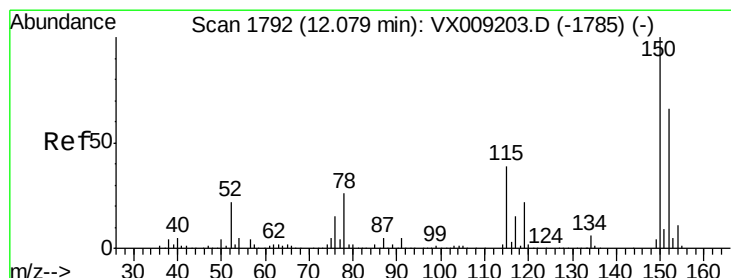
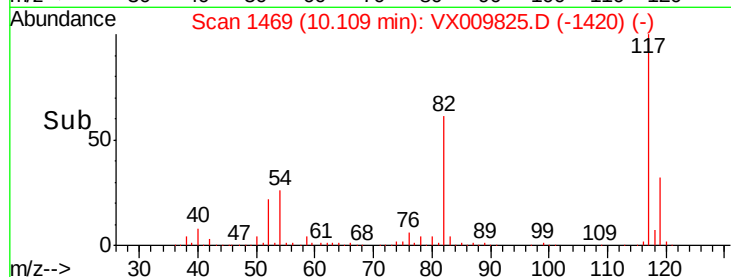
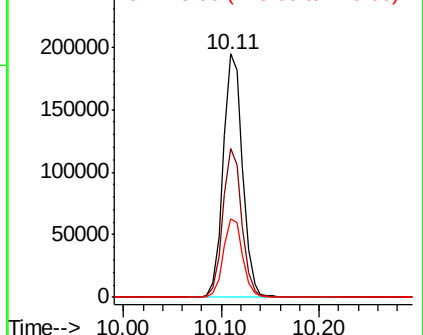
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009825.D
Acq: 23 May 2019 00:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 266524
Ion Ratio Lower Upper
117 100
82 61.3 48.8 73.2
119 32.5 25.8 38.6

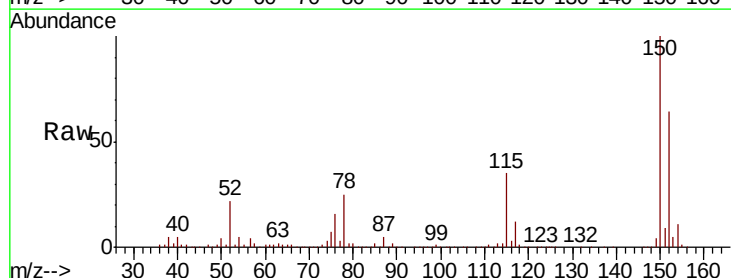


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

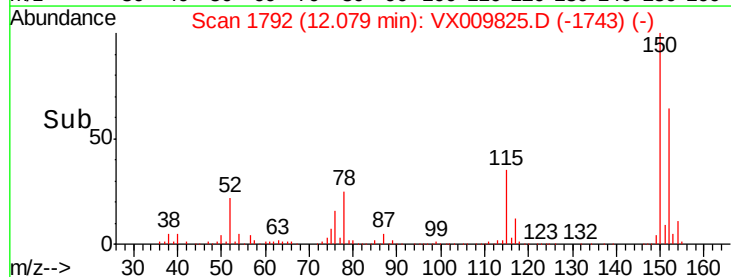
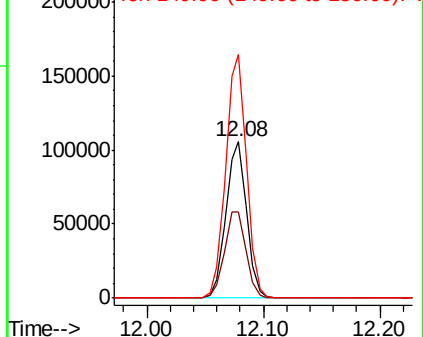


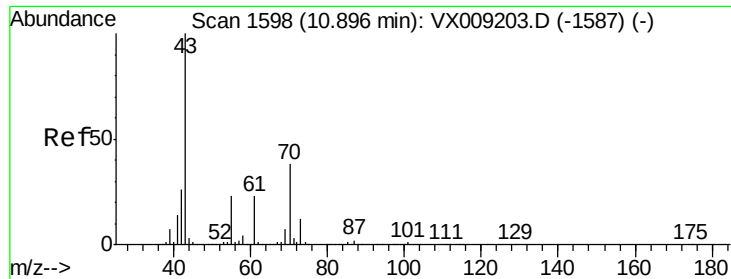
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009825.D
Acq: 23 May 2019 00:31

Tgt Ion:152 Resp: 129245
Ion Ratio Lower Upper
152 100
115 57.9 41.2 123.6
150 157.0 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: 0.395 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009825.D

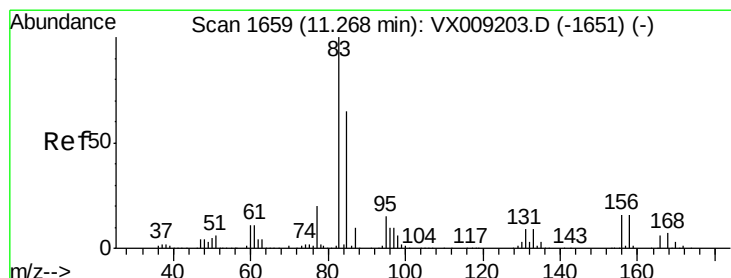
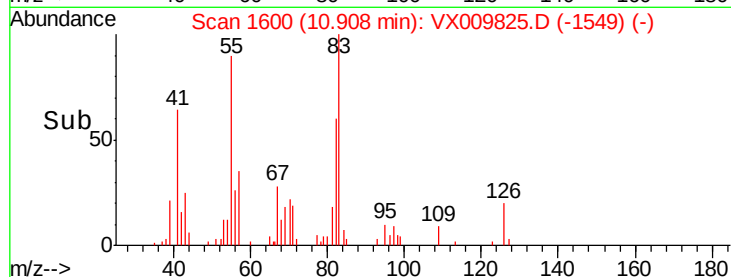
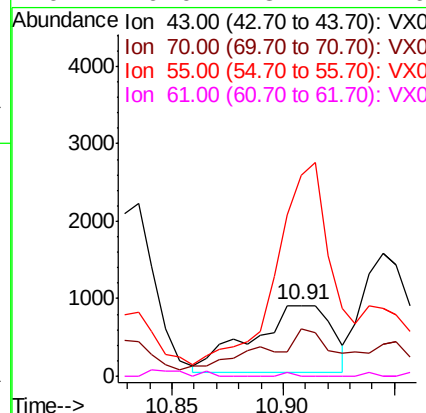
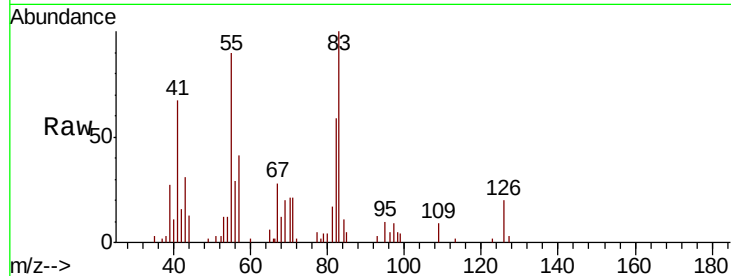
Acq: 23 May 2019 00:31

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	43	Resp:	2167
Ion	Ratio	Lower	Upper
43	100		
70	56.3	30.0	45.0#
55	203.2	17.9	26.9#
61	0.0	18.4	27.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.351 ug/l

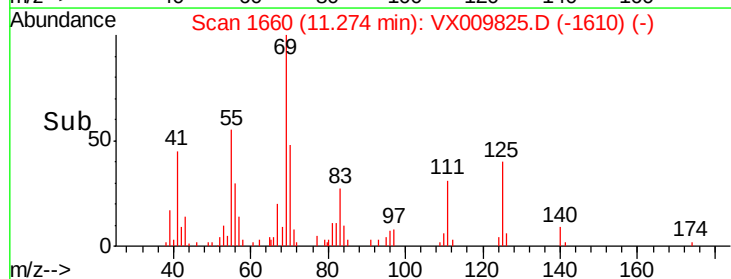
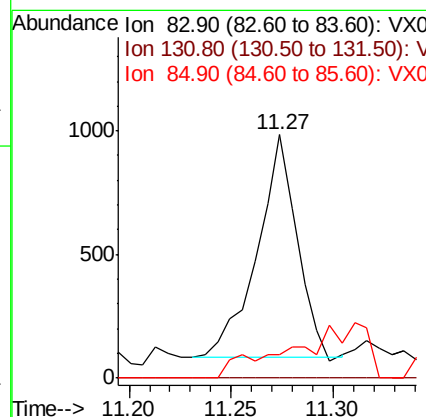
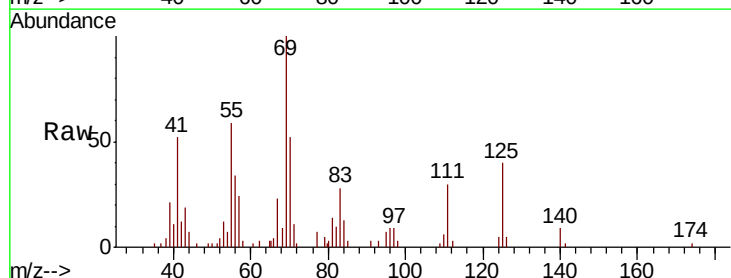
RT: 11.27 min Scan# 1660

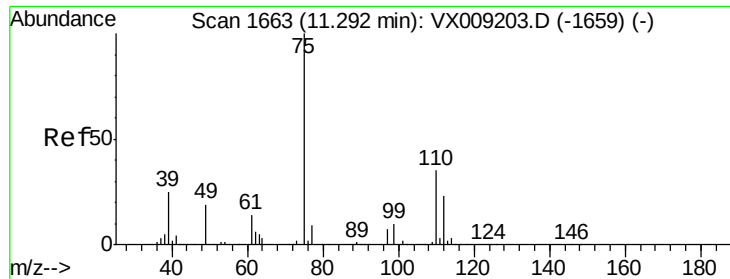
Delta R.T. 0.01 min

Lab File: VX009825.D

Acq: 23 May 2019 00:31

Tgt Ion:	83	Resp:	1230
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	0.0	32.0	96.2#

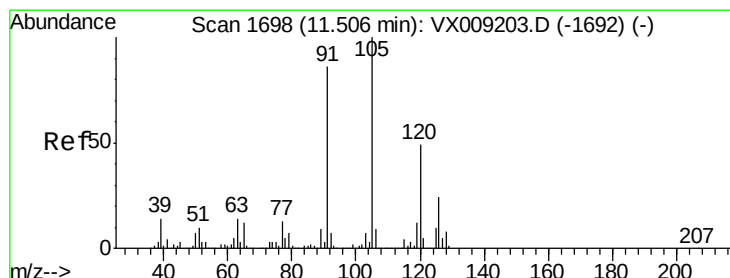
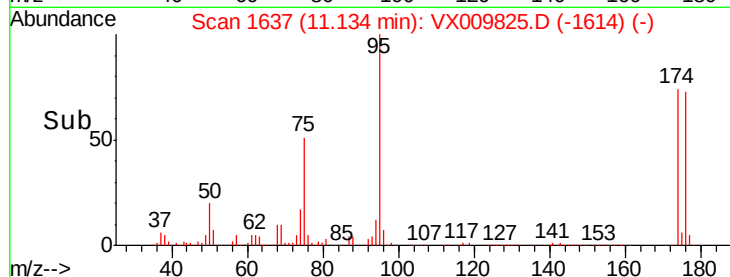
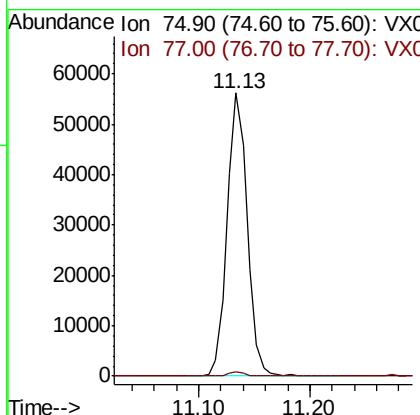
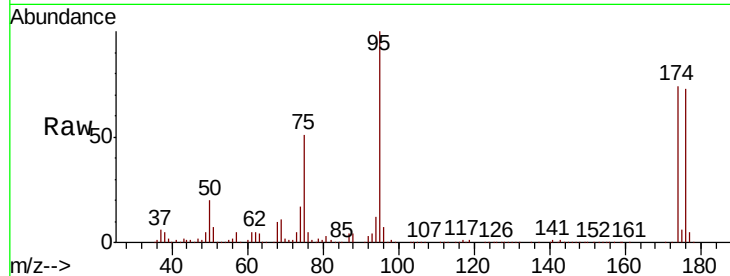




#76
 1,2,3-Trichloropropane
 Concen: 23.412 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009825.D
 Acq: 23 May 2019 00:31

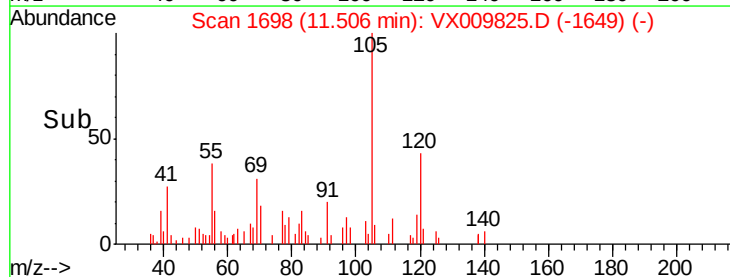
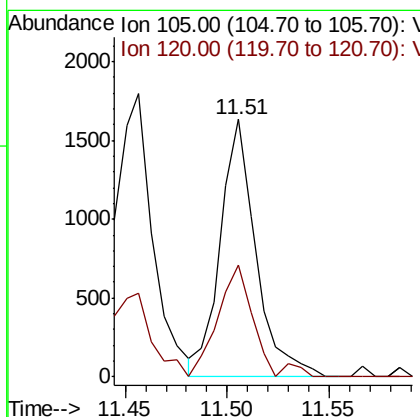
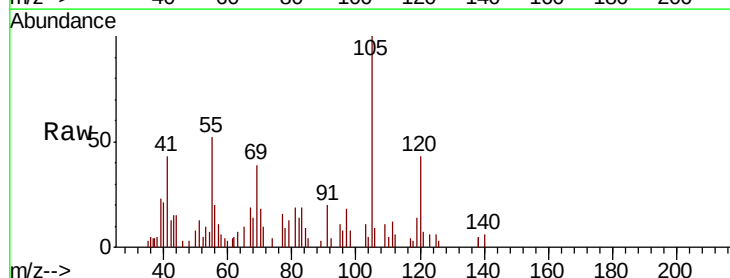
Instrument :
 MSVOA_X
 ClientSampled :

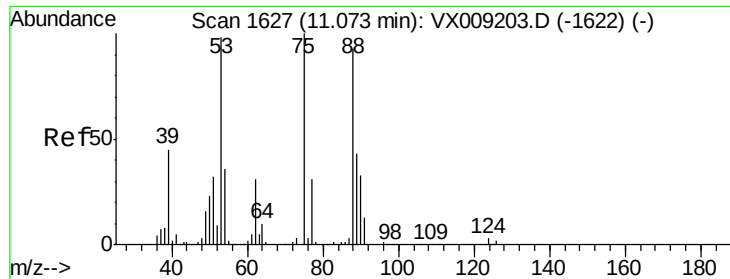
Tot Ion: 75 Resp: 70190
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.250 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009825.D
 Acq: 23 May 2019 00:31

Tgt Ion:105 Resp: 1977
 Ion Ratio Lower Upper
 105 100
 120 43.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 59.903 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009825.D

Acq: 23 May 2019 00:31

Instrument :

MSVOA_X

ClientSampleId :

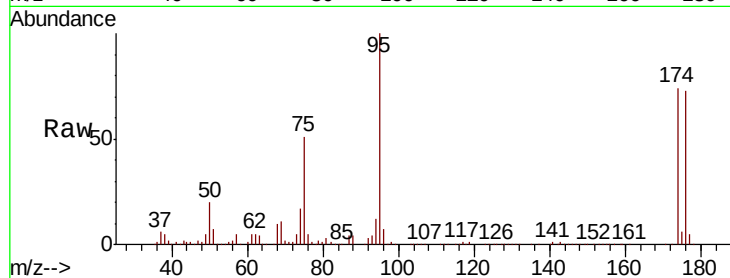
Tot Ion: 75 Resp: 70190

Ion Ratio Lower Upper

75 100

53 0.3 79.0 118.6#

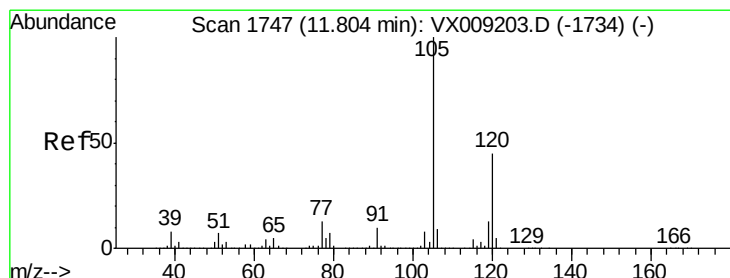
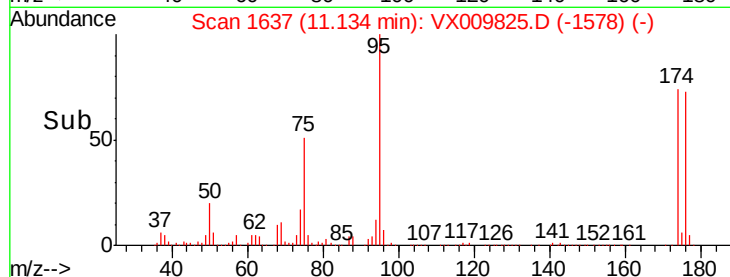
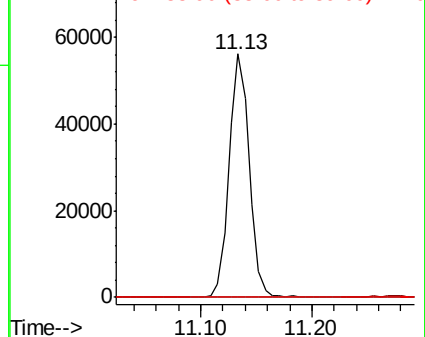
89 0.0 34.7 52.1#



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: 2.051 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009825.D

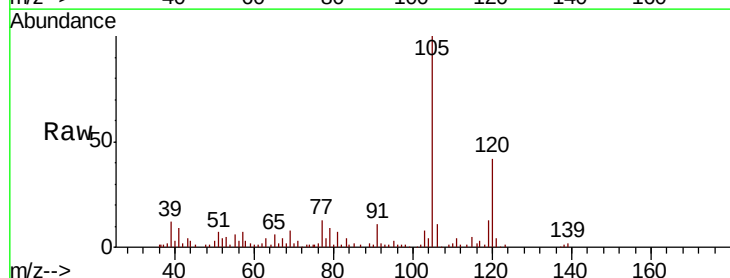
Acq: 23 May 2019 00:31

Tgt Ion: 105 Resp: 16288

Ion Ratio Lower Upper

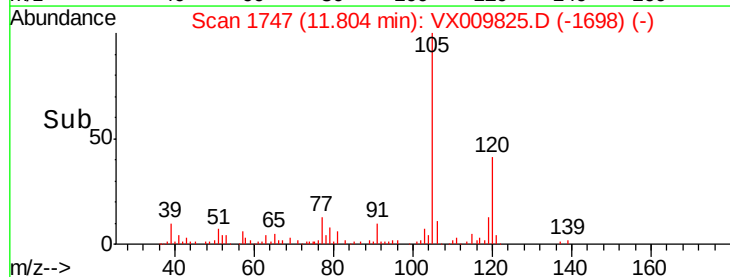
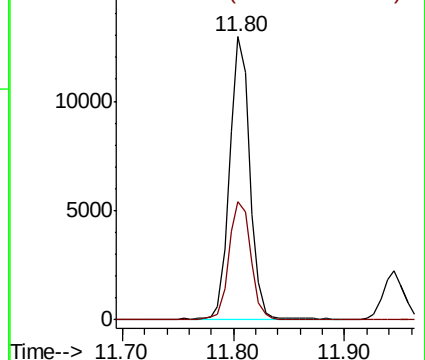
105 100

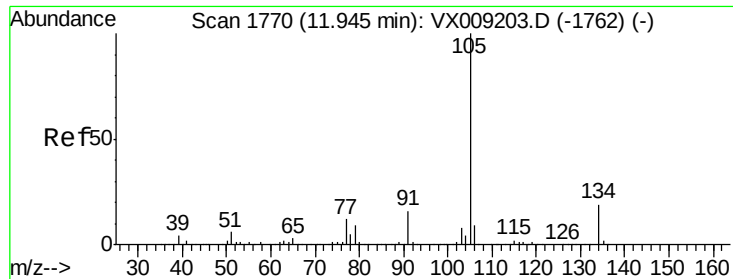
120 45.0 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

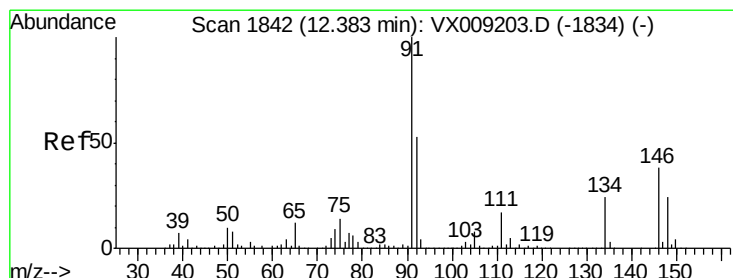
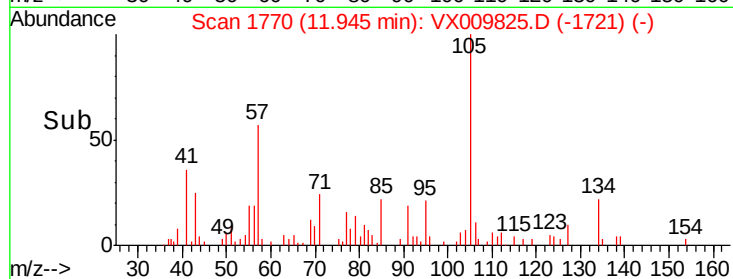
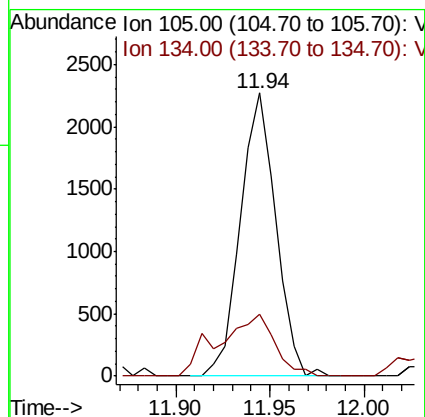
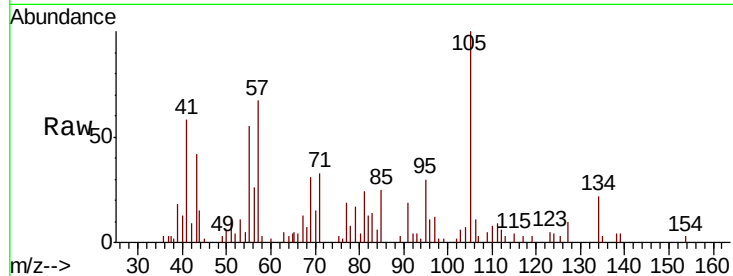




#85
 sec-Butylbenzene
 Concen: 0.324 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009825.D
 Acq: 23 May 2019 00:31

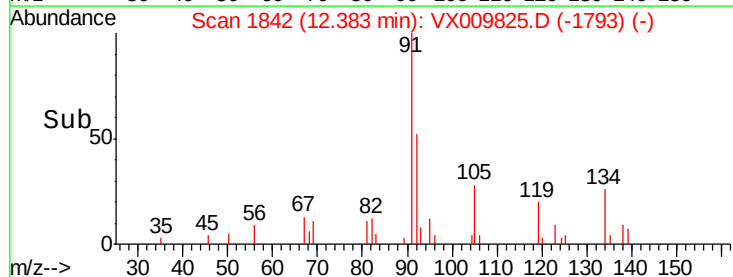
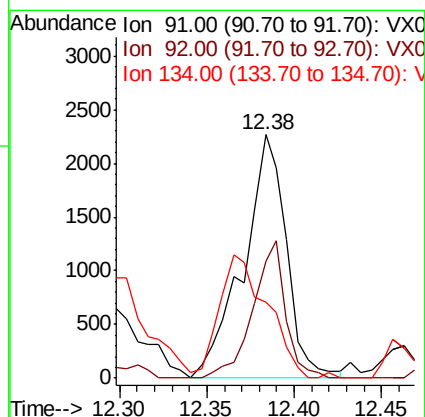
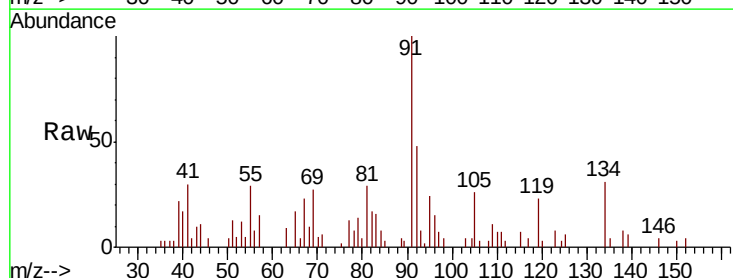
Instrument :
 MSVOA_X
 ClientSampled :

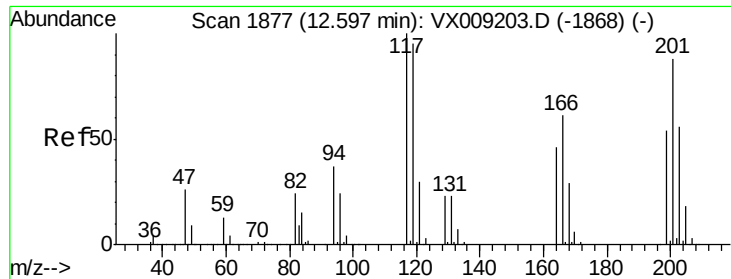
Tot Ion:105 Resp: 2955
 Ion Ratio Lower Upper
 105 100
 134 34.8 9.7 28.9#



#89
 n-Butylbenzene
 Concen: 0.523 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX009825.D
 Acq: 23 May 2019 00:31

Tgt Ion: 91 Resp: 3880
 Ion Ratio Lower Upper
 91 100
 92 42.8 26.5 79.5
 134 0.0 12.4 37.2#





#90

Hexachloroethane

Concen: 0.336 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX009825.D

Acq: 23 May 2019 00:31

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:117 Resp: 469

Ion Ratio Lower Upper

117 100

201 0.0 42.3 126.9#

