

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008908.D
 Acq On : 13 Apr 2019 00:28
 Operator : JC/SP
 Sample : K2311-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 0237-COMP-CS-2-ELTRT-DISS

Quant Time: Apr 13 05:05:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	180182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	293769	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	255030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106858	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	121576	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	
35) Dibromofluoromethane	5.50	113	87216	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
50) Toluene-d8	8.71	98	366610	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.13	95	120516	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	

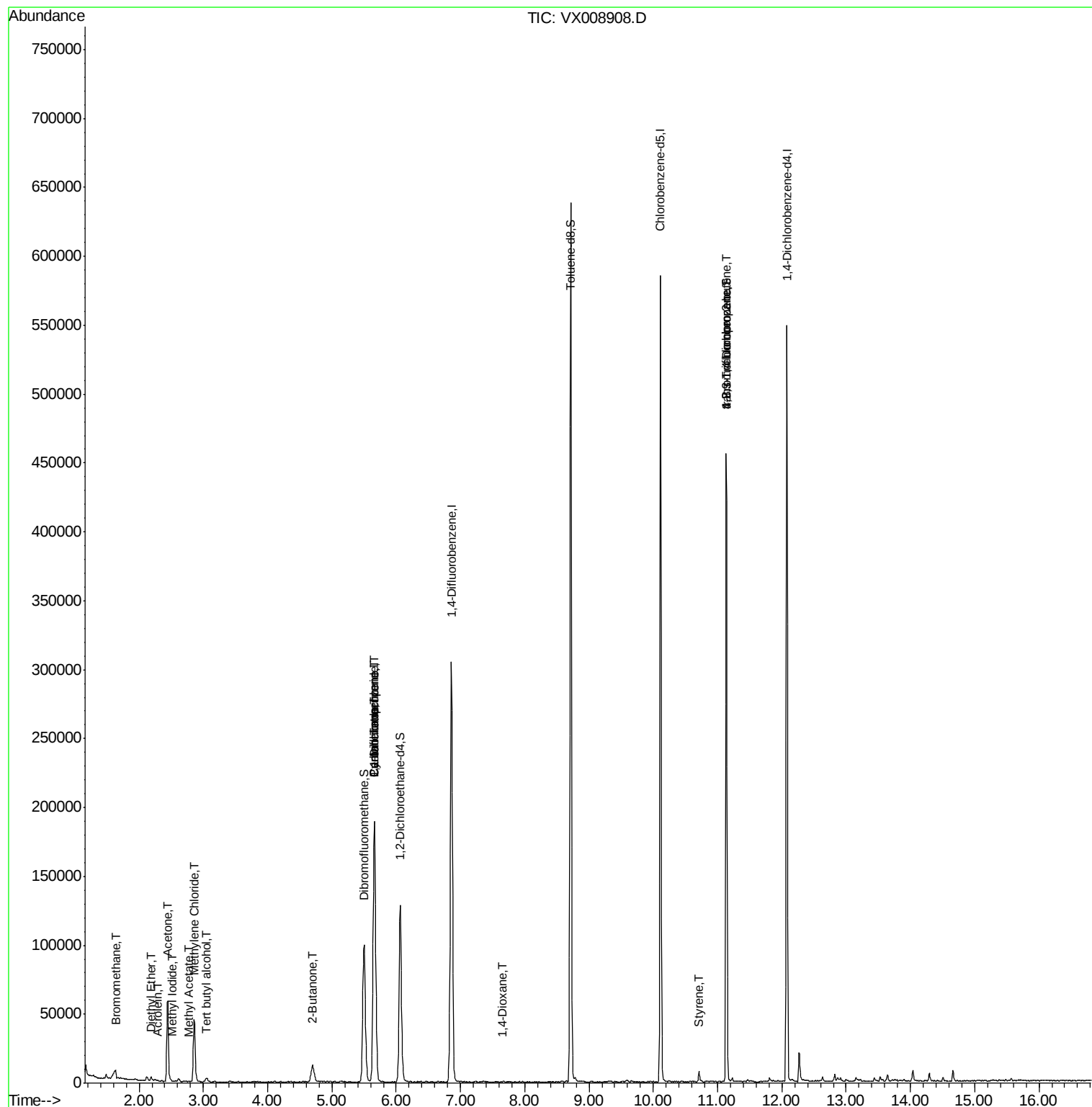
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	261	Below Cal	#	61
5) Bromomethane	1.64	94	418	2.177	ug/l	84
6) Chloroethane	1.72	64	19	Below Cal	#	43
8) Diethyl Ether	2.18	74	666	0.453	ug/l	93
10) Methyl Iodide	2.51	142	114	4.061	ug/l #	42
11) Tert butyl alcohol	3.05	59	3538	5.750	ug/l #	94
13) Acrolein	2.29	56	207	0.679	ug/l	91
16) Acetone	2.45	43	65323	43.155	ug/l	99
17) Carbon Disulfide	2.57	76	686	Below Cal	#	75
18) Methyl Acetate	2.77	43	802	0.218	ug/l	94
20) Methylene Chloride	2.85	84	20971	8.277	ug/l	95
25) 2-Butanone	4.68	43	1484	0.620	ug/l #	53
28) Bromochloromethane	4.79	49	39	Below Cal	#	22
31) Cyclohexane	5.66	56	4152	0.914	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14784	4.604	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17575	6.613	ug/l #	17
49) 1,4-Dioxane	7.65	88	19	0.299	ug/l #	1
70) Styrene	10.71	104	3039	0.480	ug/l #	86
76) 1,2,3-Trichloropropane	11.13	75	61669	21.008	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61669	57.910	ug/l #	9

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041219\
Data File : VX008908.D
Acq On : 13 Apr 2019 00:28
Operator : JC/SP
Sample : K2311-14
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
0237-COMP-CS-2-ELTRT-DISS

Quant Time: Apr 13 05:05:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008908.D

Acq: 13 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

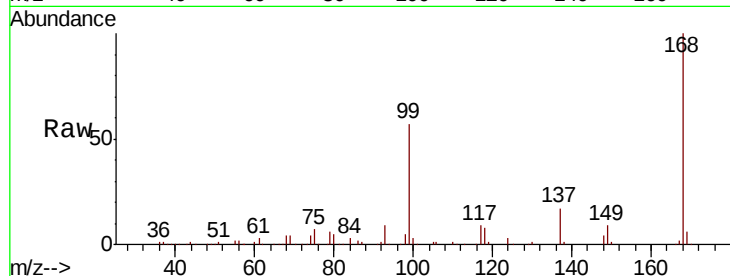
0237-COMP-CS-2-ELTRT-DISS

Tot Ion:168 Resp: 180182

Ion Ratio Lower Upper

168 100

99 56.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

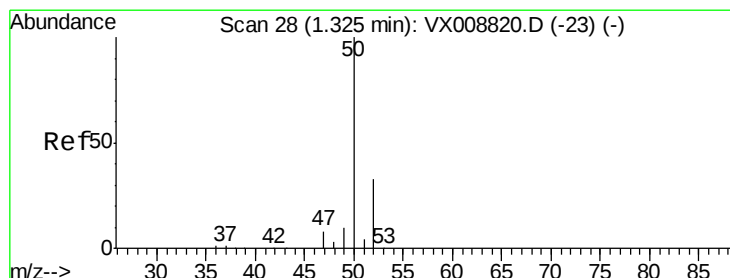
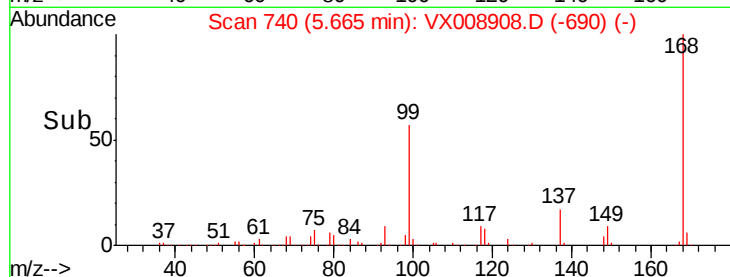
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008908.D

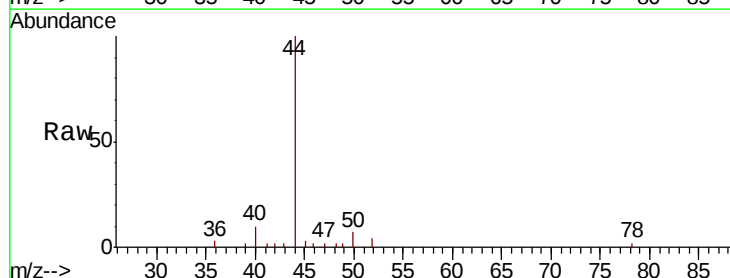
Acq: 13 Apr 2019 00:28

Tgt Ion: 50 Resp: 261

Ion Ratio Lower Upper

50 100

52 54.2 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

250

200

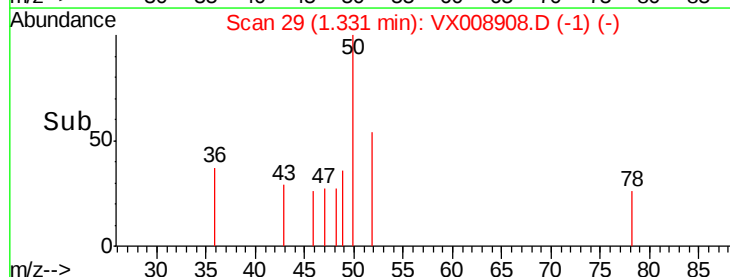
150

100

50

0

Time--> 1.30 1.32 1.34





#5

Bromomethane

Concen: 2.177 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008908.D

Acq: 13 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

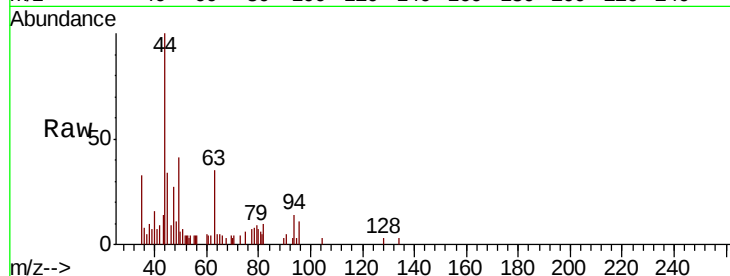
0237-COMP-CS-2-ELTRT-DISS

Tot Ion: 94 Resp: 418

Ion Ratio Lower Upper

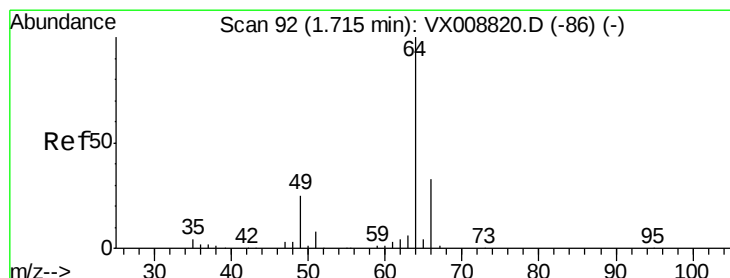
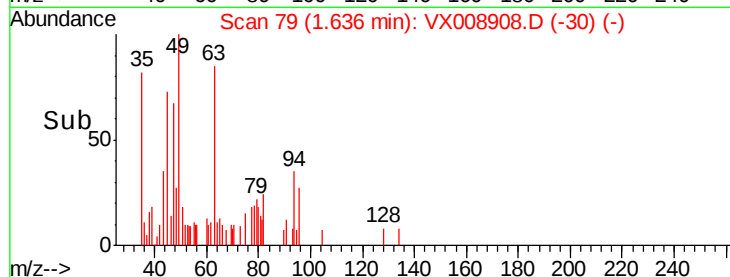
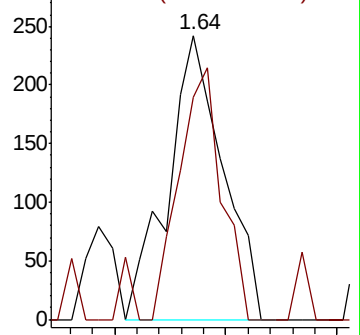
94 100

96 78.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008908.D

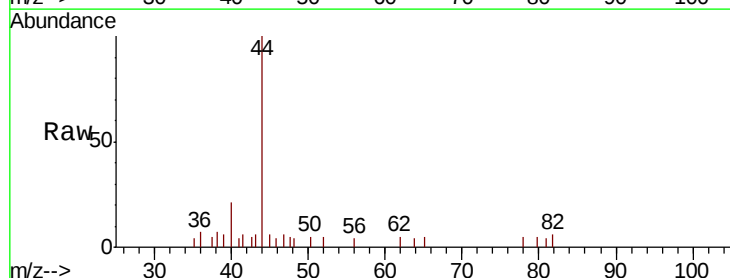
Acq: 13 Apr 2019 00:28

Tgt Ion: 64 Resp: 19

Ion Ratio Lower Upper

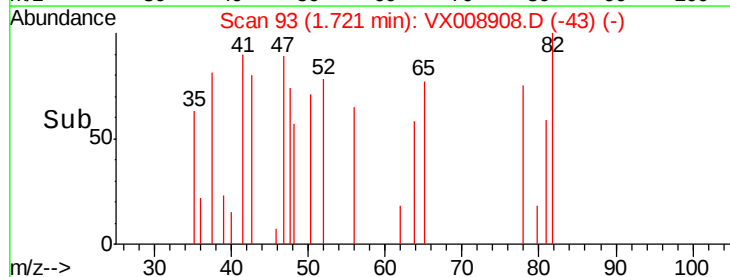
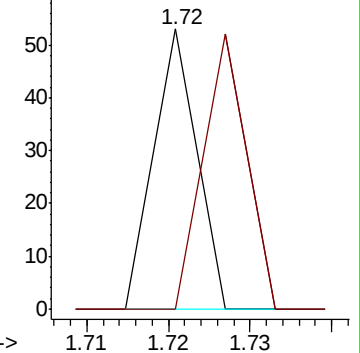
64 100

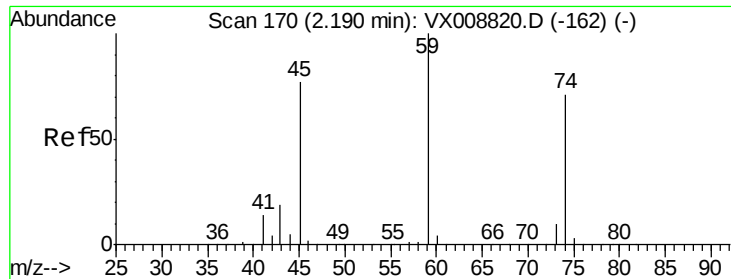
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.453 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX008908.D

Acq: 13 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

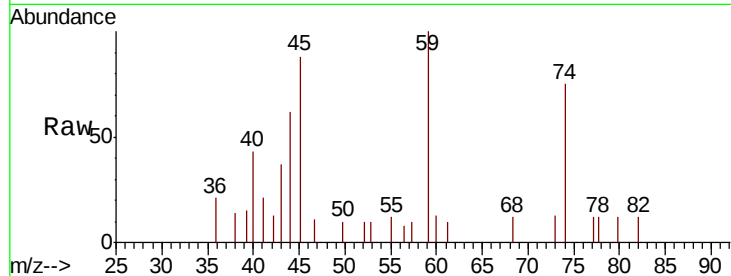
0237-COMP-CS-2-ELTRT-DISS

Tot Ion: 74 Resp: 666

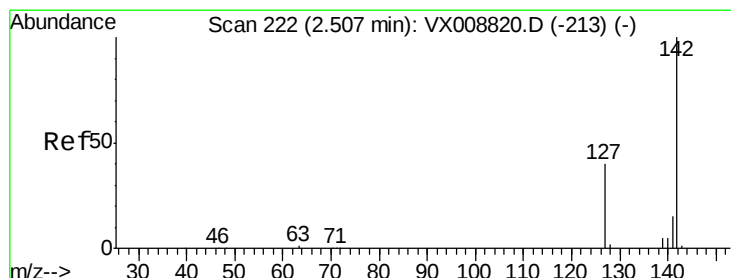
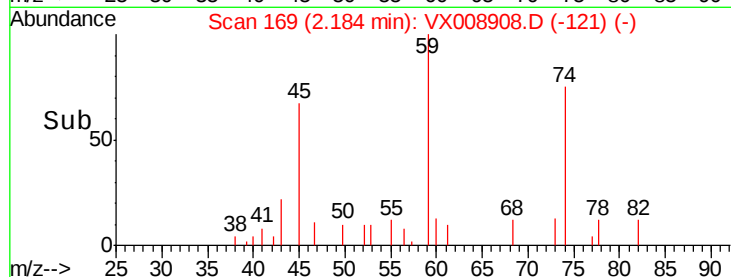
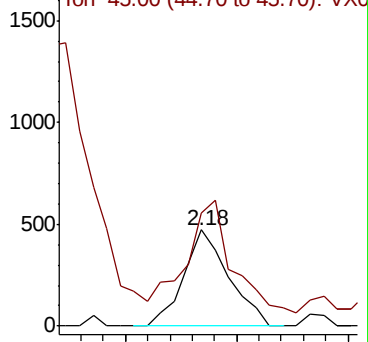
Ion Ratio Lower Upper

74 100

45 120.6 56.5 169.5



Abundance Ion 74.00 (73.70 to 74.70): VX008820.D (-162) (-)



#10

Methyl Iodide

Concen: 4.061 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008908.D

Acq: 13 Apr 2019 00:28

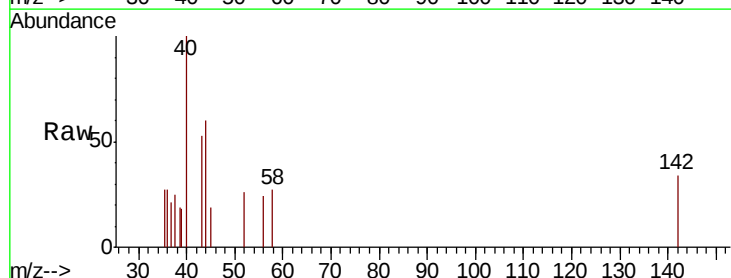
Tgt Ion: 142 Resp: 114

Ion Ratio Lower Upper

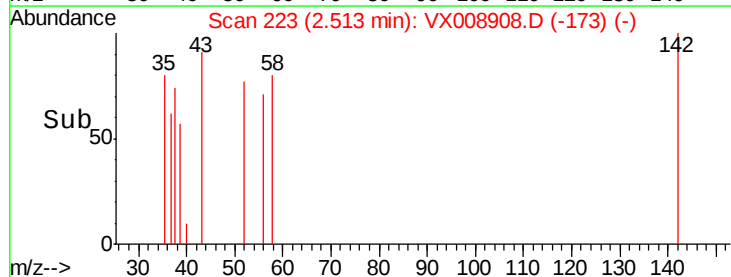
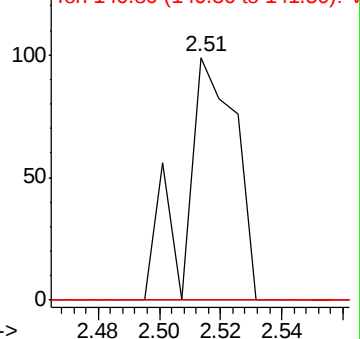
142 100

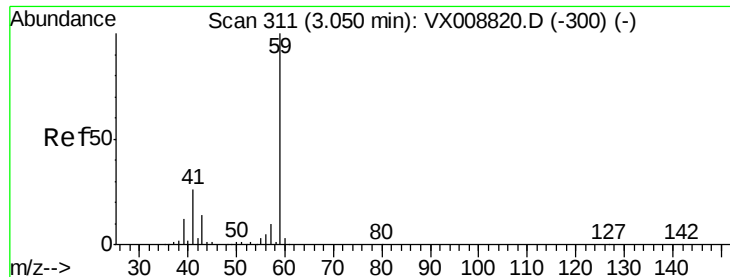
127 0.0 33.0 49.6#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): VX008820.D (-213) (-)

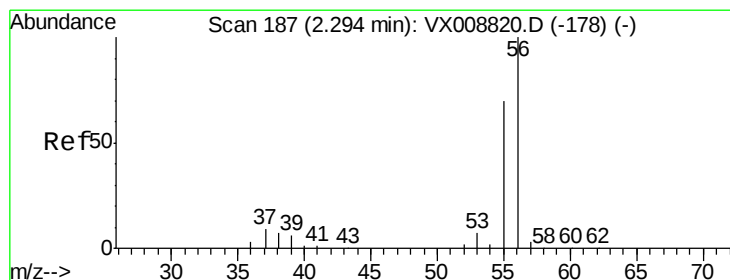
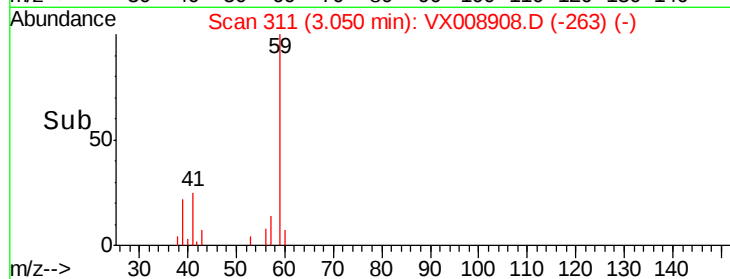
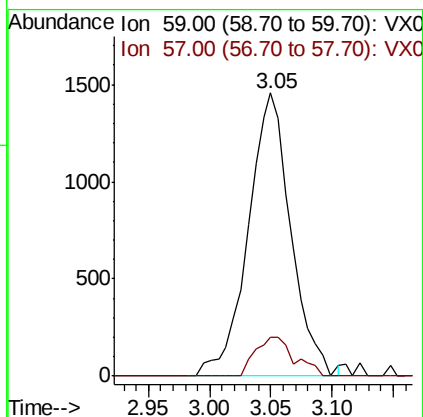
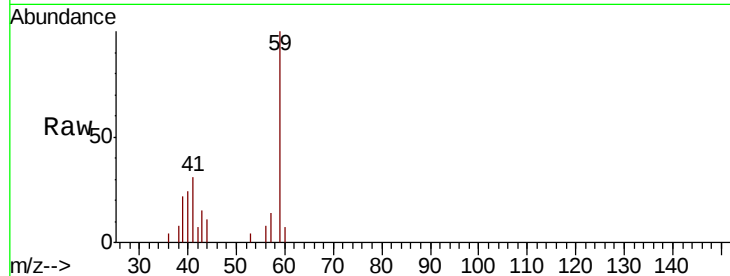




#11
Tert butyl alcohol
Concen: 5.750 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008908.D
Acq: 13 Apr 2019 00:28

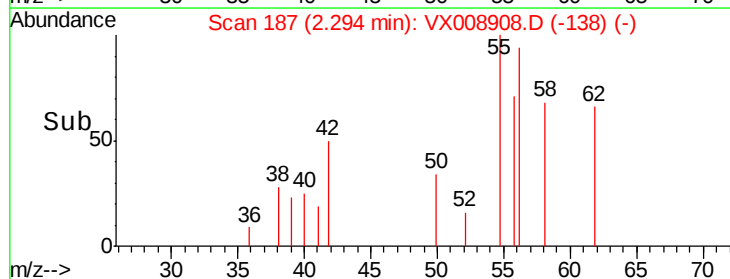
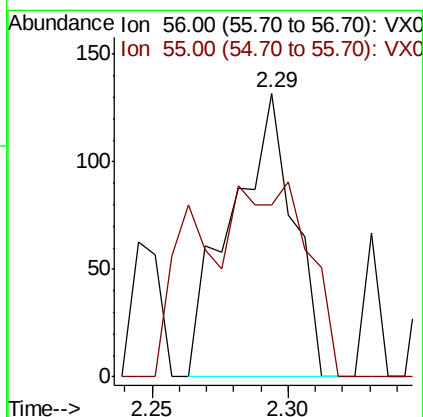
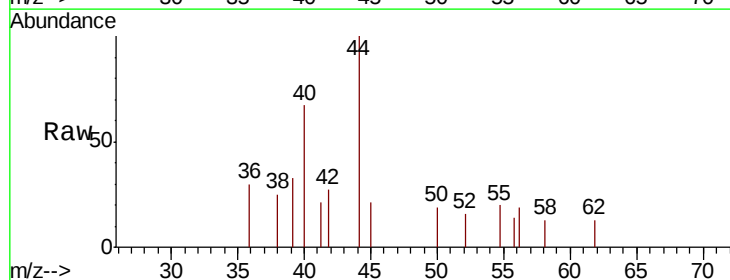
Instrument :
MSVOA_X
ClientSampleId :
0237-COMP-CS-2-ELTRT-DISS

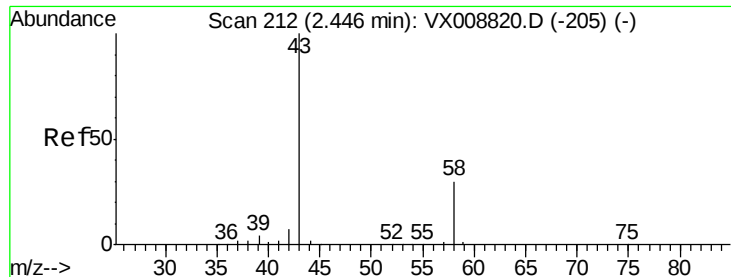
Tot Ion: 59 Resp: 3538
Ion Ratio Lower Upper
59 100
57 12.5 8.3 12.5#



#13
Acrolein
Concen: 0.679 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008908.D
Acq: 13 Apr 2019 00:28

Tgt Ion: 56 Resp: 207
Ion Ratio Lower Upper
56 100
55 79.7 58.0 87.0





#16

Acetone

Concen: 43.155 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008908.D

Acq: 13 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

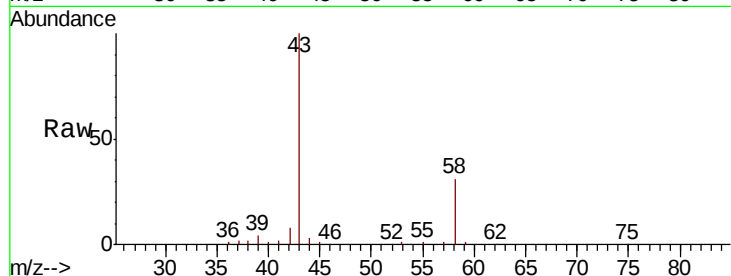
0237-COMP-CS-2-ELTRT-DISS

Tot Ion: 43 Resp: 65323

Ion Ratio Lower Upper

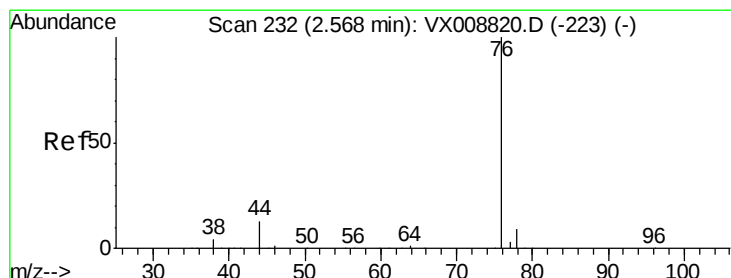
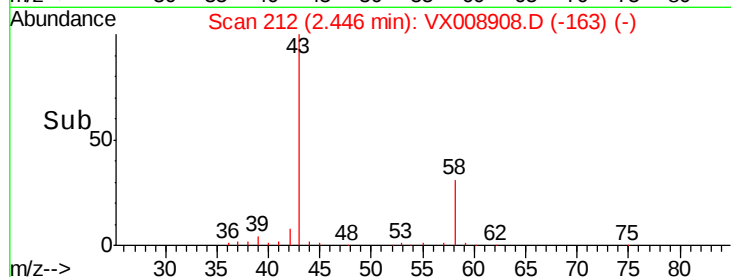
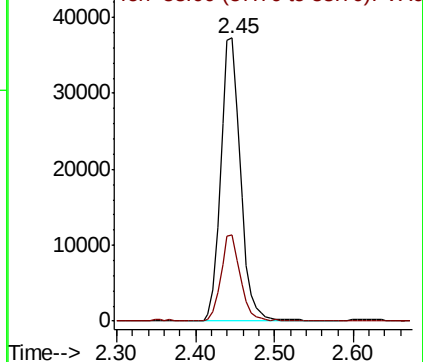
43 100

58 30.6 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008908.D

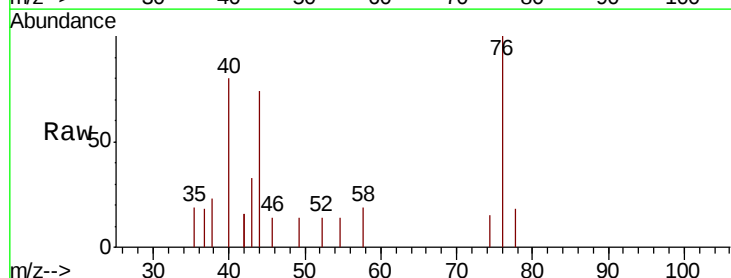
Acq: 13 Apr 2019 00:28

Tgt Ion: 76 Resp: 686

Ion Ratio Lower Upper

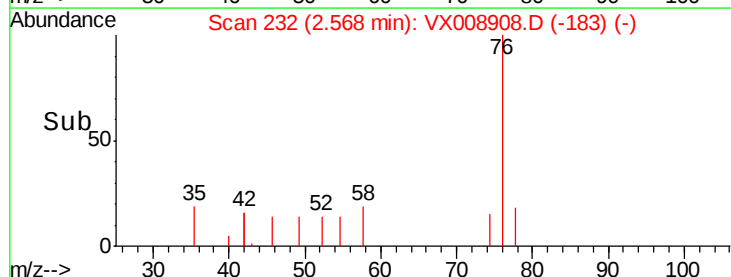
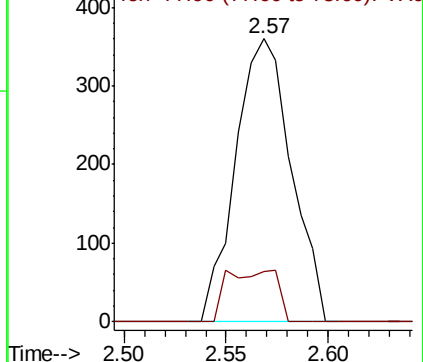
76 100

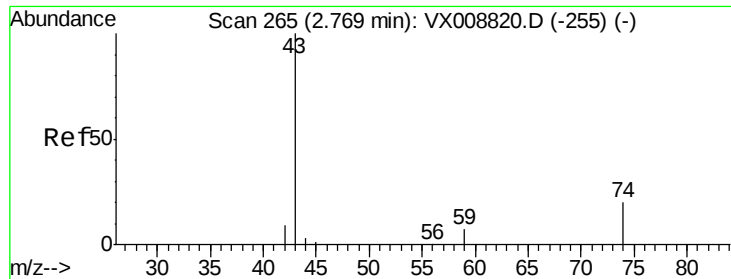
78 17.8 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

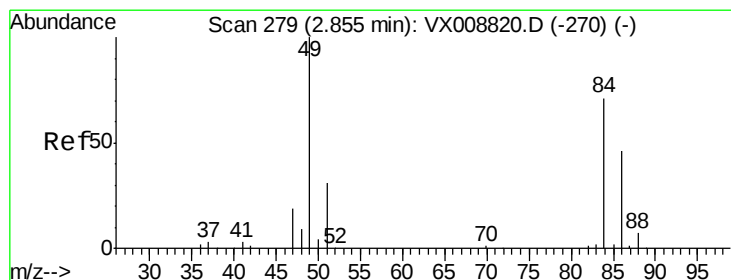
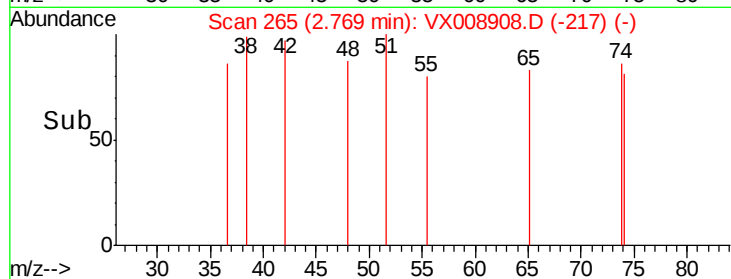
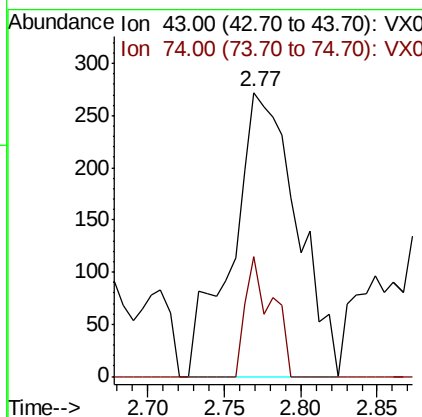
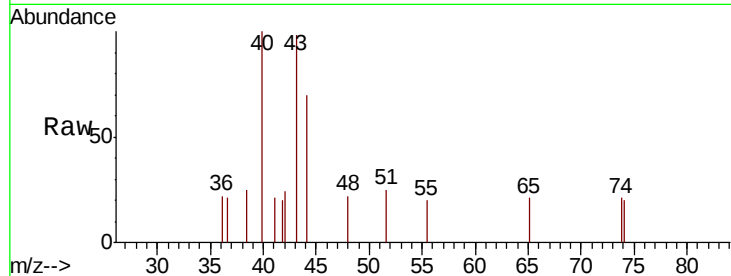




#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008908.D
Acq: 13 Apr 2019 00:28

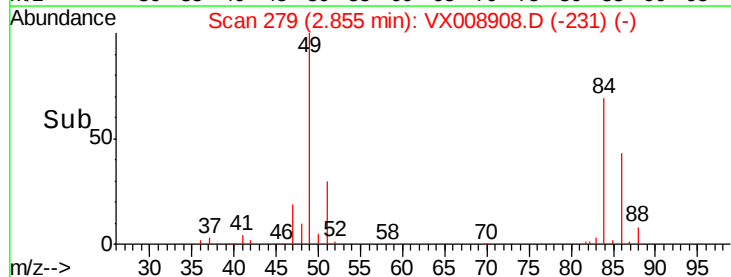
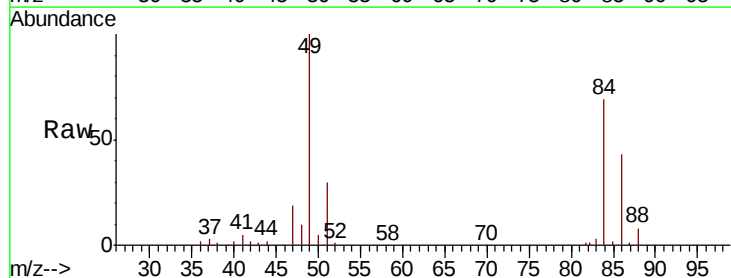
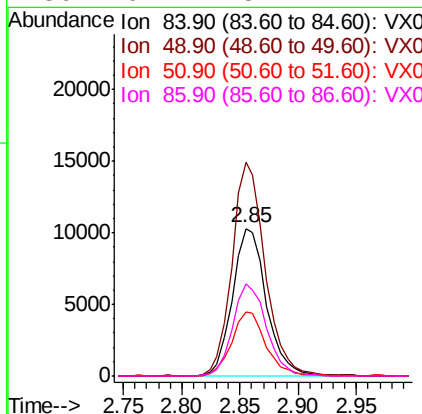
Instrument :
MSVOA_X
ClientSampleId :
0237-COMP-CS-2-ELTRT-DISS

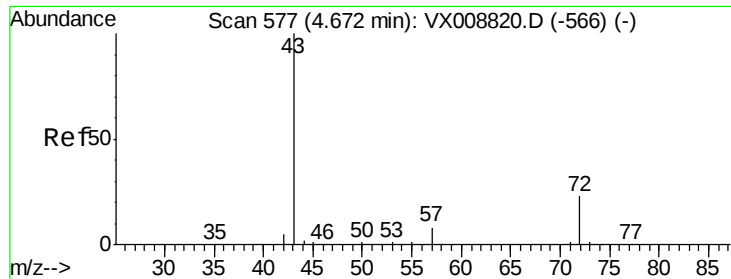
Tot Ion: 43 Resp: 802
Ion Ratio Lower Upper
43 100
74 17.7 16.5 24.7



#20
Methylene Chloride
Concen: 8.277 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008908.D
Acq: 13 Apr 2019 00:28

Tgt Ion: 84 Resp: 20971
Ion Ratio Lower Upper
84 100
49 144.7 109.7 164.5
51 43.4 33.6 50.4
86 62.2 51.4 77.2

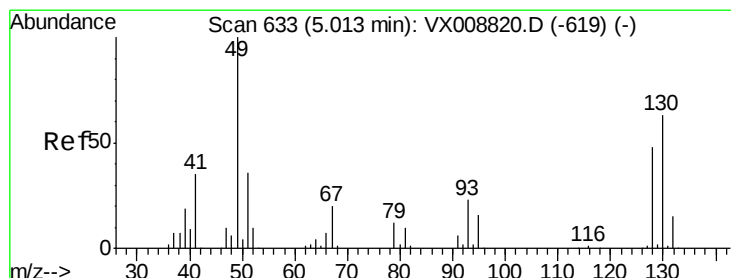
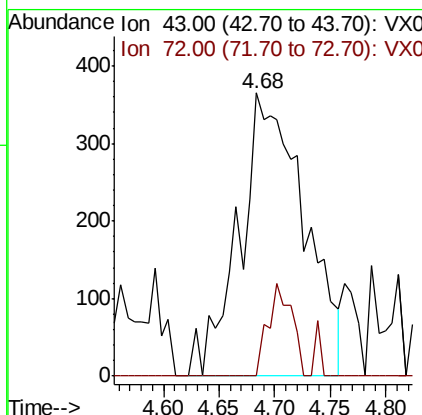
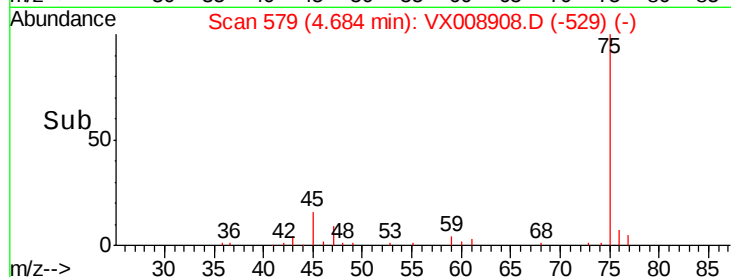
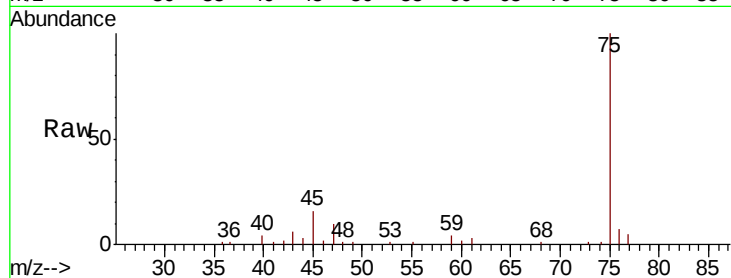




#25
 2-Butanone
 Concen: 0.620 ug/l
 RT: 4.68 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VX008908.D
 Acq: 13 Apr 2019 00:28

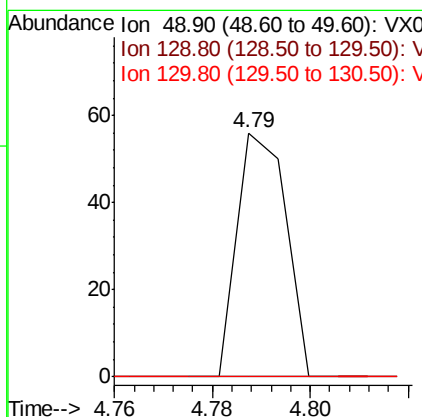
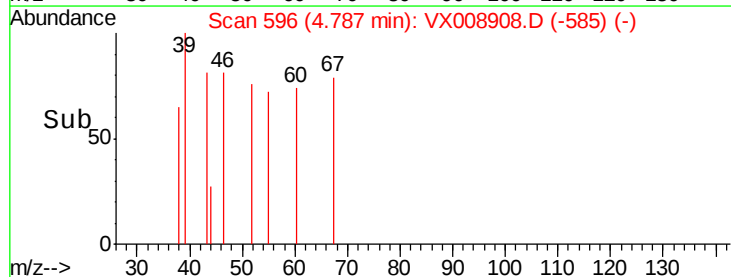
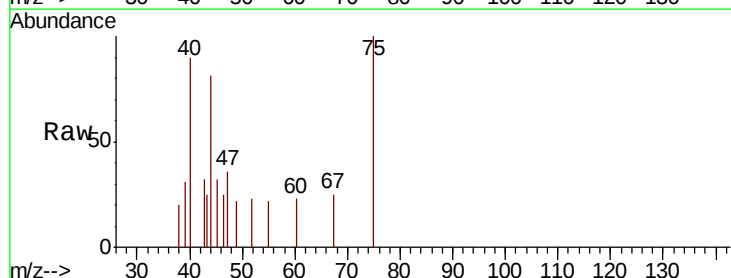
Instrument :
 MSVOA_X
 ClientSampleId :
 0237-COMP-CS-2-ELTRT-DISS

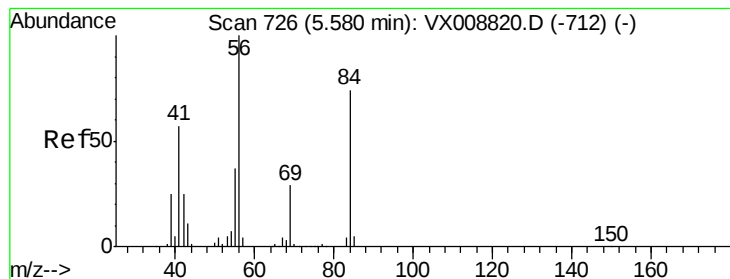
Tot Ion: 43 Resp: 1484
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.2 27.4#



#28
 Bromochloromethane
 Concen: Below Cal
 RT: 4.79 min Scan# 596
 Delta R.T. -0.23 min
 Lab File: VX008908.D
 Acq: 13 Apr 2019 00:28

Tgt Ion: 49 Resp: 39
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 49.3 73.9#





#31

Cyclohexane

Concen: 0.914 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008908.D

Acq: 13 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

0237-COMP-CS-2-ELTRT-DISS

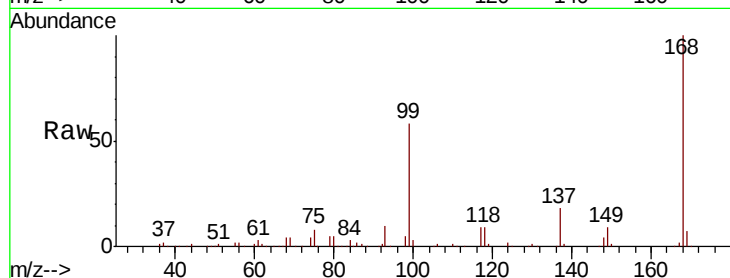
Tot Ion: 56 Resp: 4152

Ion Ratio Lower Upper

56 100

69 180.8 22.6 33.8#

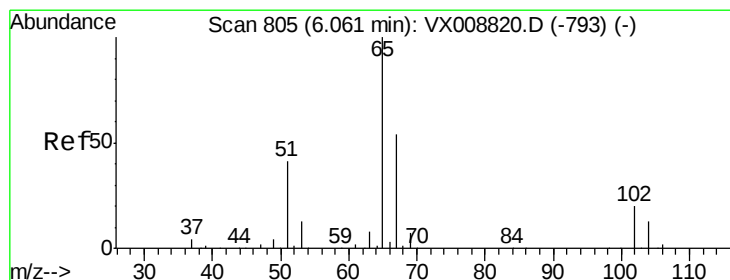
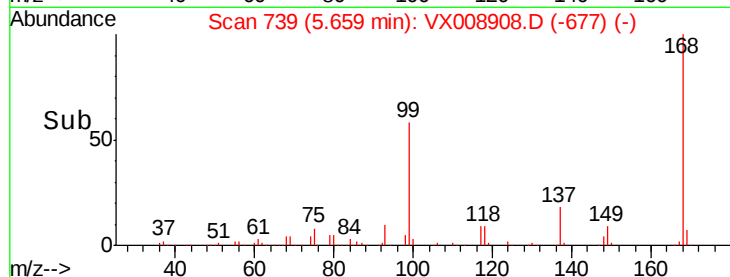
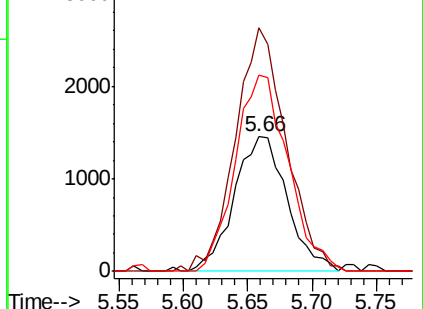
84 145.9 59.3 88.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.261 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008908.D

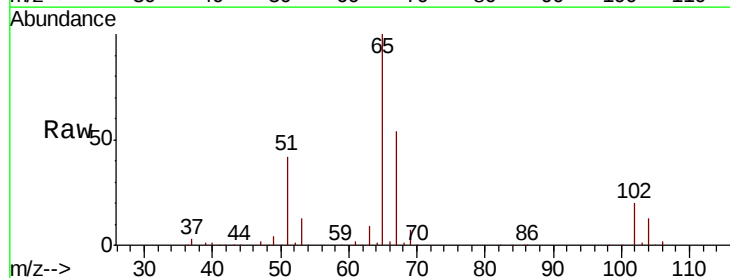
Acq: 13 Apr 2019 00:28

Tgt Ion: 65 Resp: 121576

Ion Ratio Lower Upper

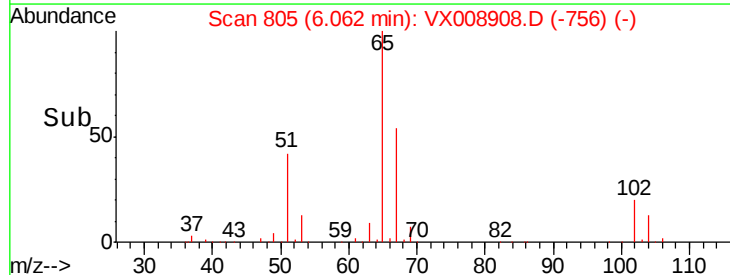
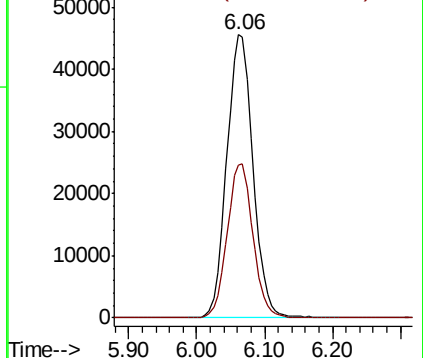
65 100

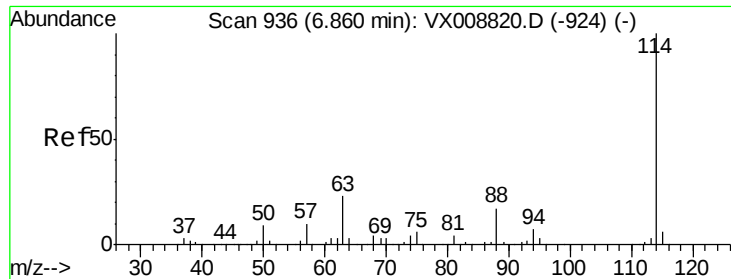
67 53.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

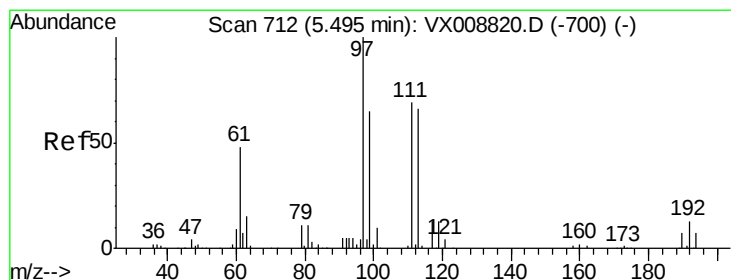
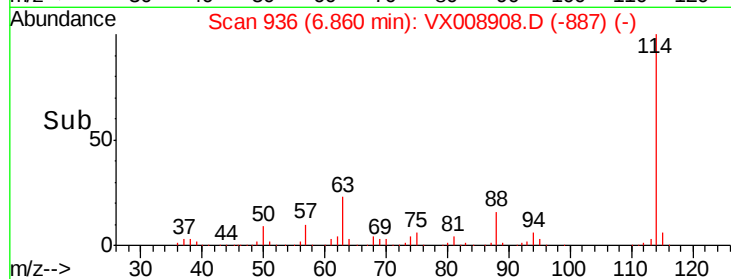
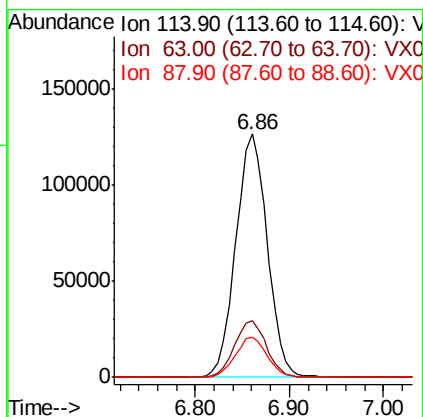
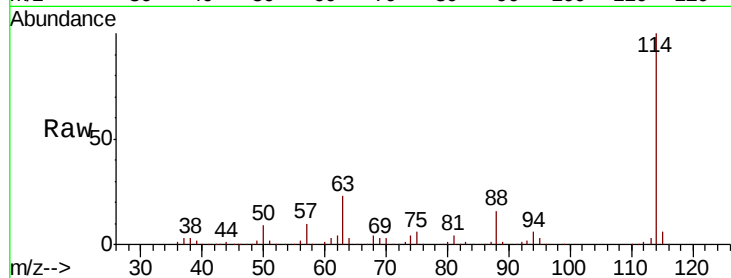




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008908.D
 Acq: 13 Apr 2019 00:28

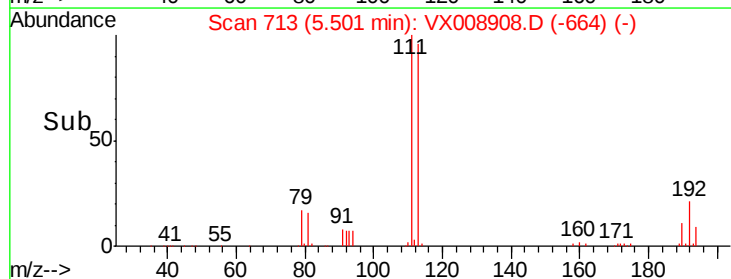
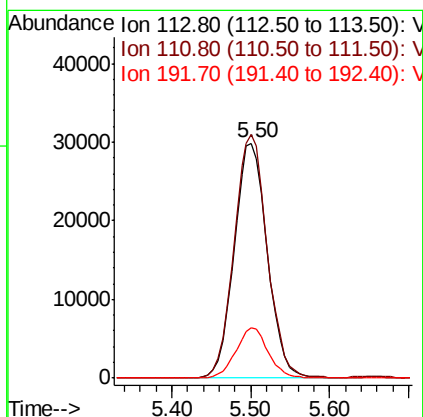
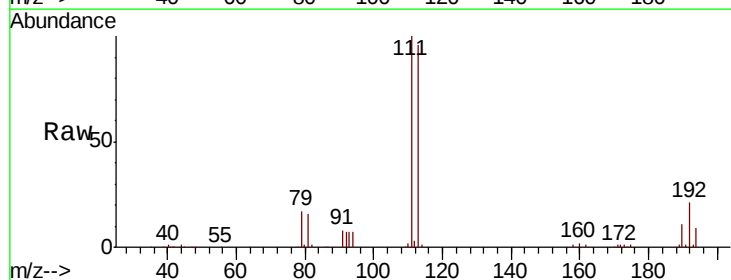
Instrument :
 MSVOA_X
 ClientSampleId :
 0237-COMP-CS-2-ELTRT-DISS

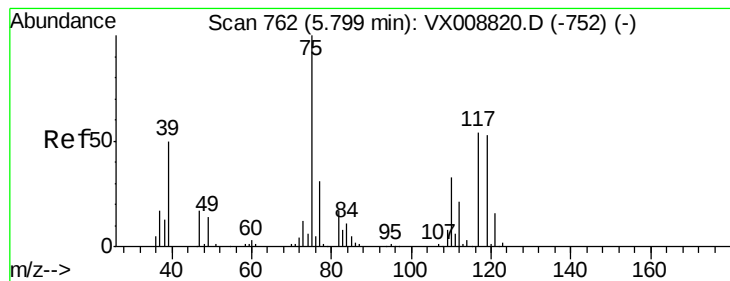
Tot Ion:114 Resp: 293769
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.2
 88 16.5 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 46.435 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008908.D
 Acq: 13 Apr 2019 00:28

Tgt Ion:113 Resp: 87216
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.2
 192 20.8 16.1 24.1





#36

1,1-Dichloropropene

Concen: 4.604 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008908.D

Acq: 13 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

0237-COMP-CS-2-ELTRT-DISS

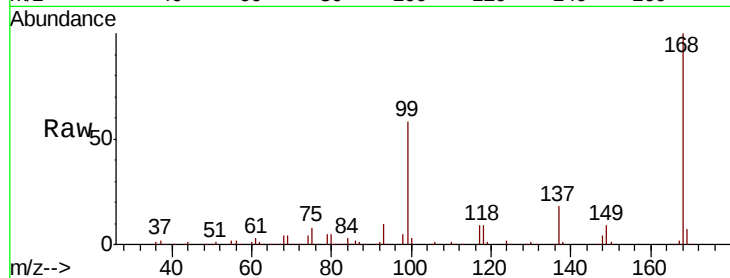
Tot Ion: 75 Resp: 14784

Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.2#

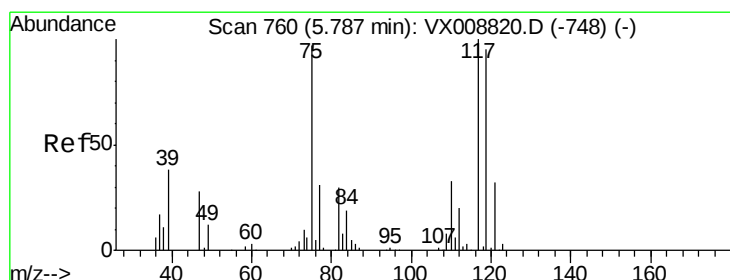
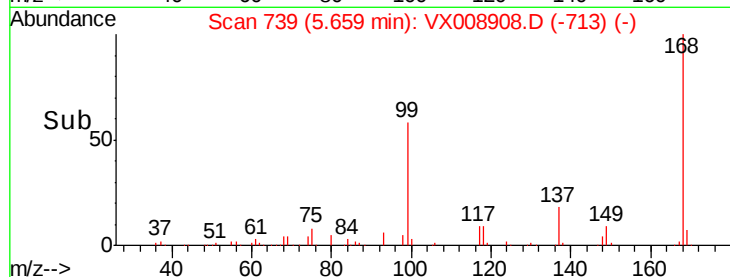
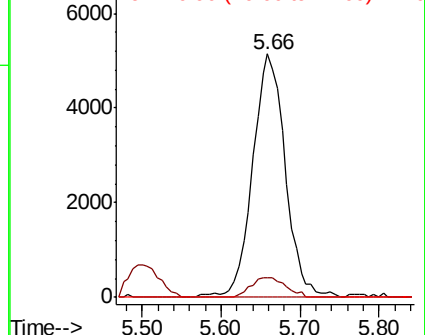
77 0.0 24.7 37.1#



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: 6.613 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008908.D

Acq: 13 Apr 2019 00:28

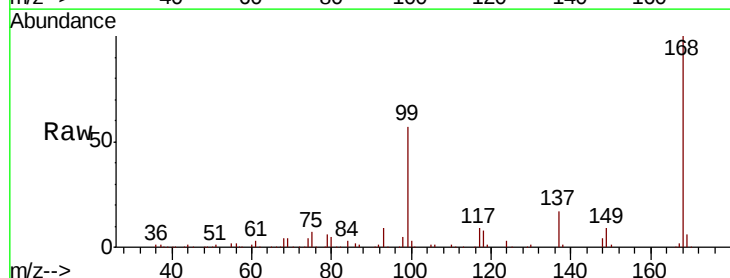
Tgt Ion: 117 Resp: 17575

Ion Ratio Lower Upper

117 100

119 5.5 75.0 112.6#

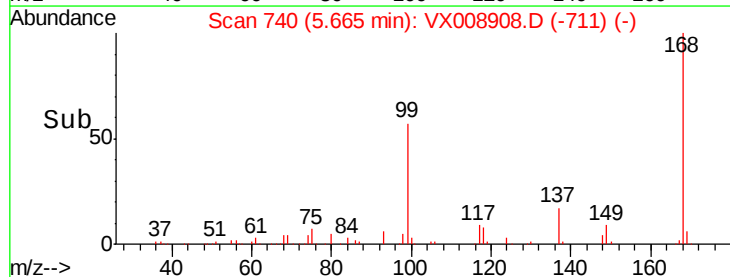
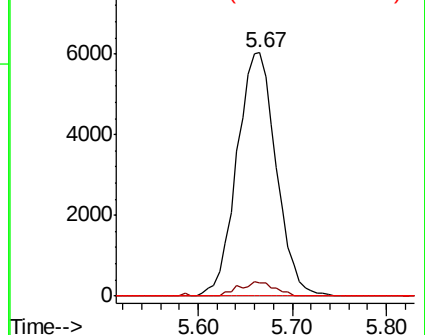
121 0.0 24.3 36.5#

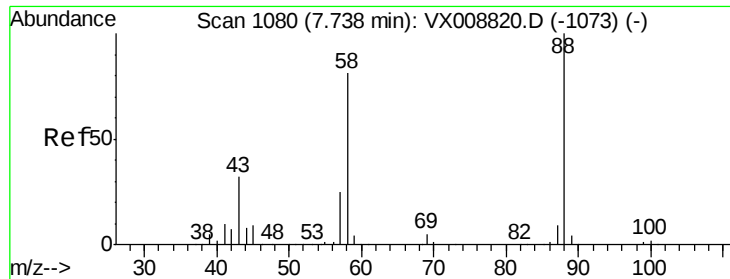


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

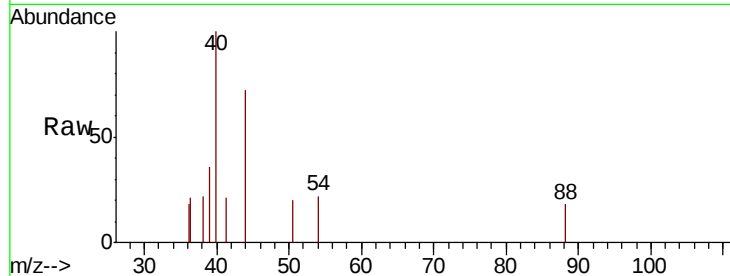




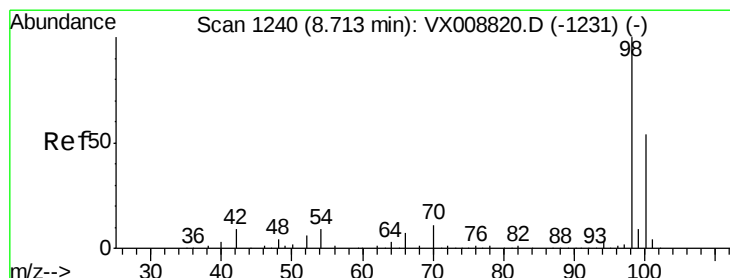
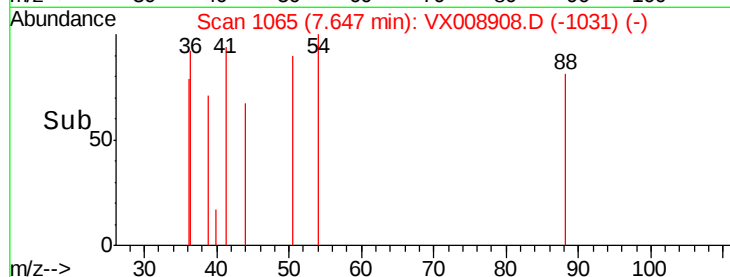
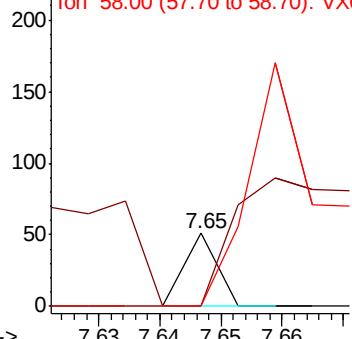
#49
1,4-Dioxane
Concen: 0.299 ug/l
RT: 7.65 min Scan# 1065
Delta R.T. -0.09 min
Lab File: VX008908.D
Acq: 13 Apr 2019 00:28

Instrument :
MSVOA_X
ClientSampleId :
0237-COMP-CS-2-ELTRT-DISS

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 736.8 28.6 43.0#
58 1015.8 62.2 93.2#

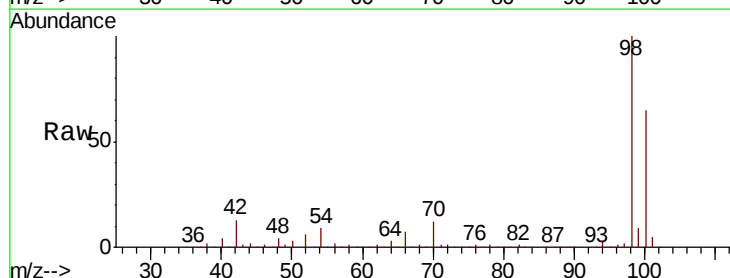


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

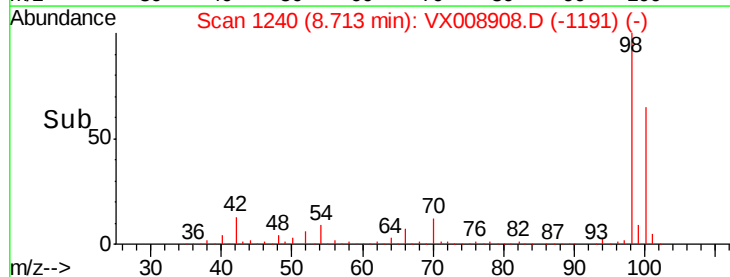
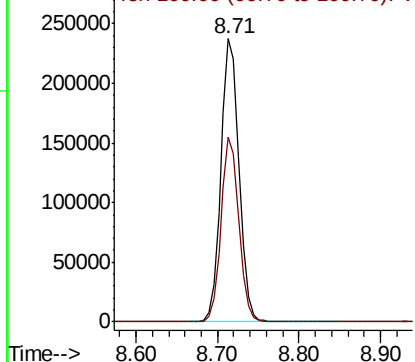


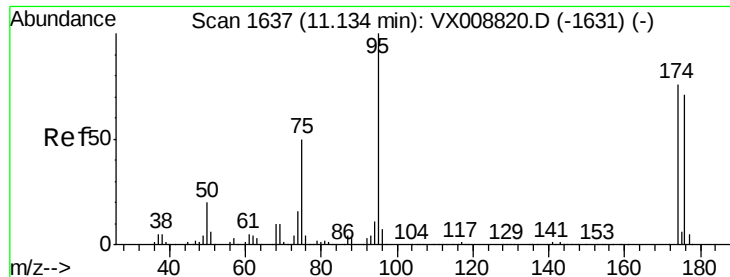
#50
Toluene-d8
Concen: 49.021 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008908.D
Acq: 13 Apr 2019 00:28

Tgt Ion: 98 Resp: 366610
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



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





#62

4-Bromofluorobenzene

Concen: 45.442 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008908.D

Acq: 13 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

0237-COMP-CS-2-ELTRT-DISS

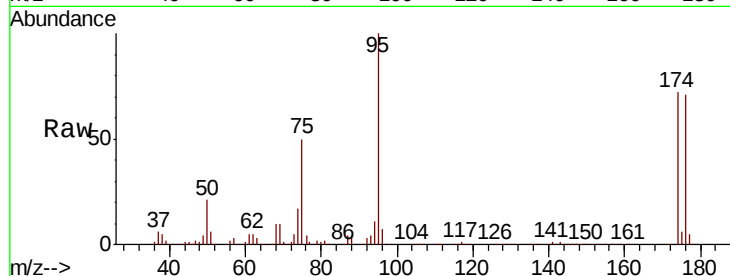
Tot Ion: 95 Resp: 120516

Ion Ratio Lower Upper

95 100

174 79.0 0.0 151.8

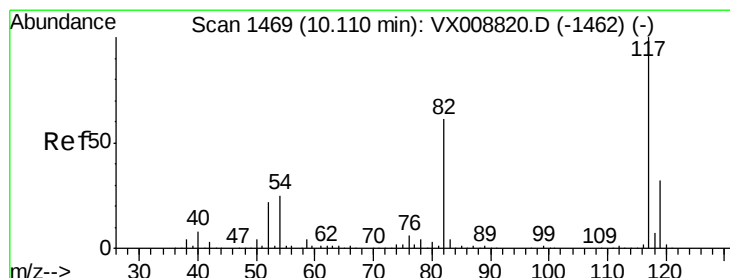
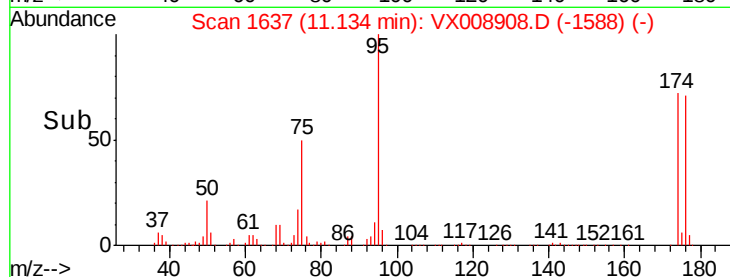
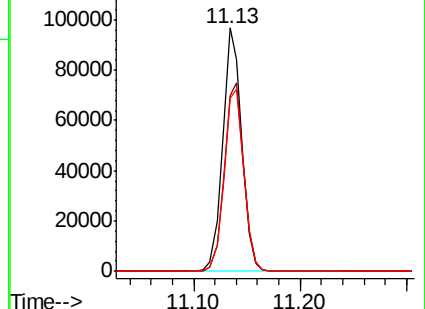
176 77.3 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008820.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX008820.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX008820.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008908.D

Acq: 13 Apr 2019 00:28

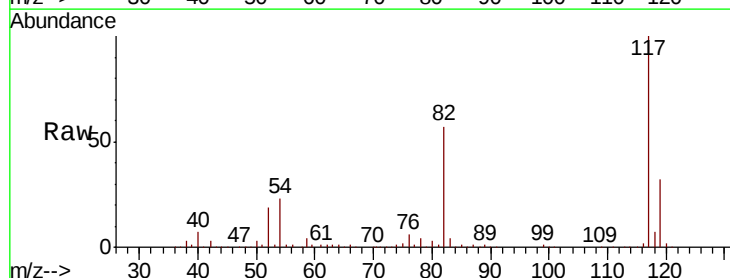
Tgt Ion: 117 Resp: 255030

Ion Ratio Lower Upper

117 100

82 57.2 49.6 74.4

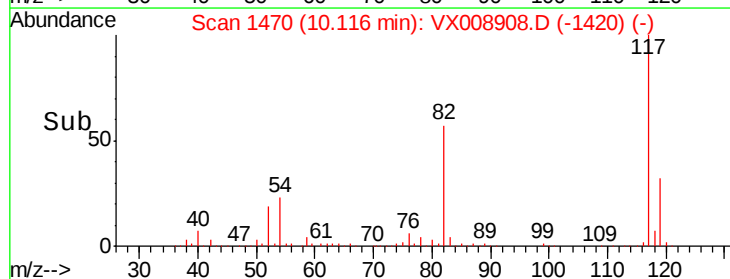
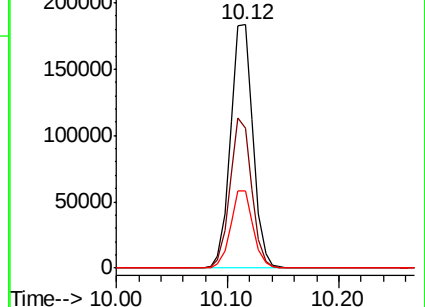
119 31.7 25.0 37.4

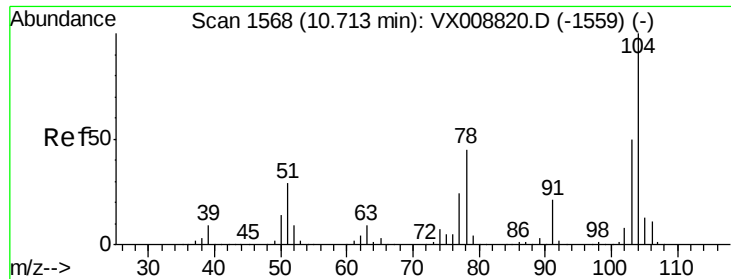


Abundance Ion 116.90 (116.60 to 117.60): VX008820.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008820.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008820.D (-1462) (-)

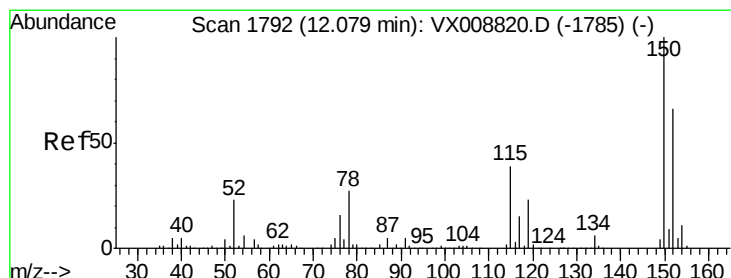
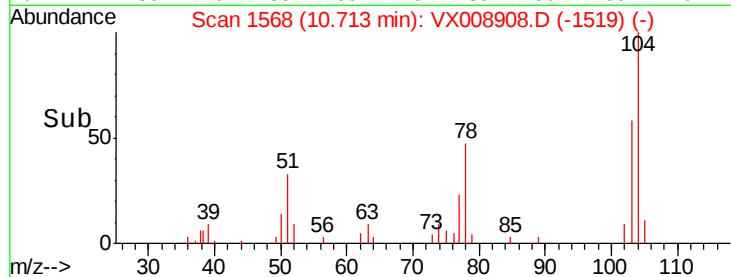
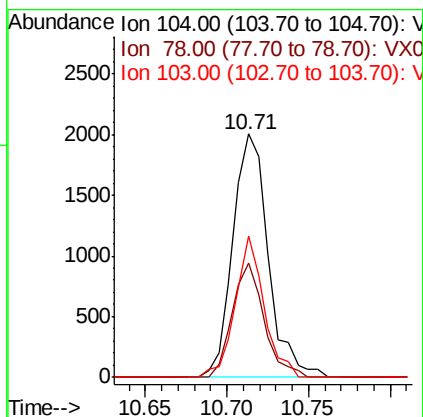
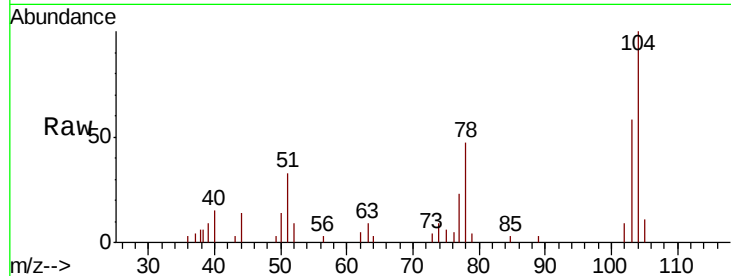




#70
Stvrene
Concen: 0.480 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008908.D
Acq: 13 Apr 2019 00:28

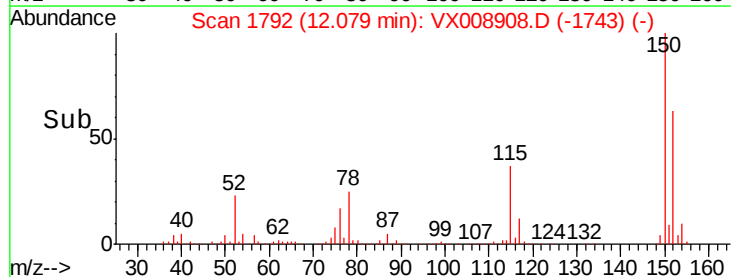
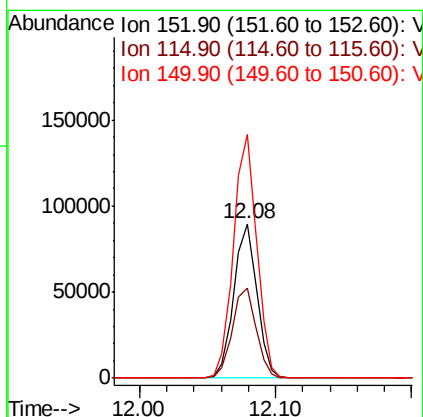
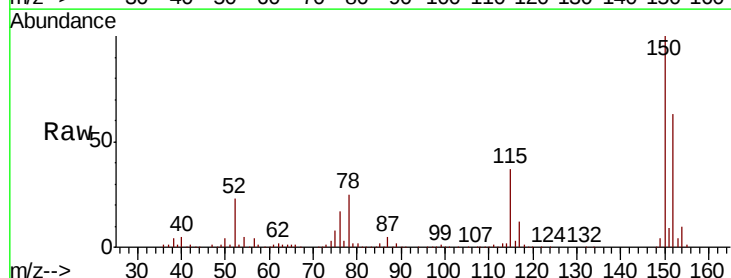
Instrument :
MSVOA_X
ClientSampleId :
0237-COMP-CS-2-ELTRT-DISS

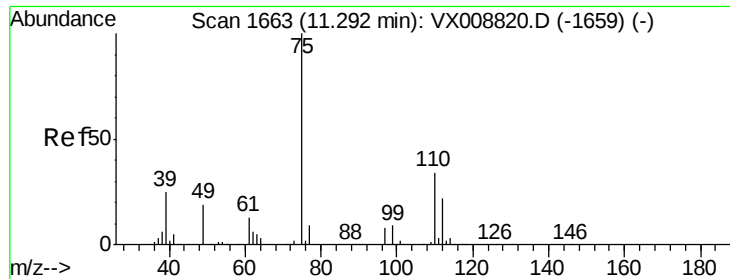
Tot Ion:104 Resp: 3039
Ion Ratio Lower Upper
104 100
78 41.8 42.3 63.5#
103 46.8 44.4 66.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008908.D
Acq: 13 Apr 2019 00:28

Tgt Ion:152 Resp: 106858
Ion Ratio Lower Upper
152 100
115 59.8 43.5 130.5
150 158.0 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 21.008 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008908.D

Acq: 13 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

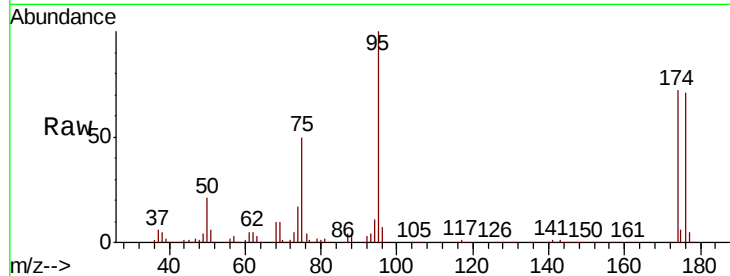
0237-COMP-CS-2-ELTRT-DISS

Tot Ion: 75 Resp: 61669

Ion Ratio Lower Upper

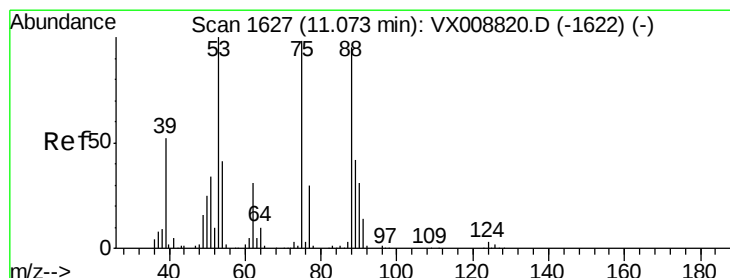
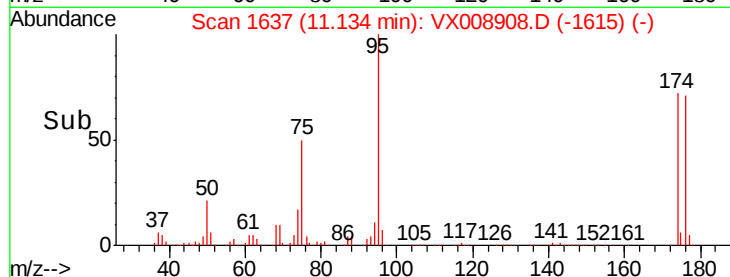
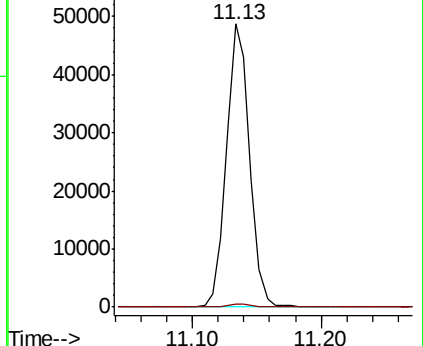
75 100

77 1.3 22.3 66.8#



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: 57.910 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008908.D

Acq: 13 Apr 2019 00:28

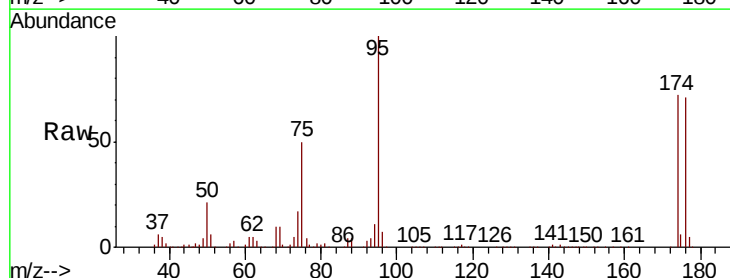
Tgt Ion: 75 Resp: 61669

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#



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

