

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008907.D
 Acq On : 13 Apr 2019 00:05
 Operator : JC/SP
 Sample : K2311-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 0240-COMP-CS-5-ELTRT-DISS

Quant Time: Apr 13 05:04:45 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	188152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299121	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	265041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111589	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	125169	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
35) Dibromofluoromethane	5.50	113	90585	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
50) Toluene-d8	8.71	98	379630	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.13	95	126254	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

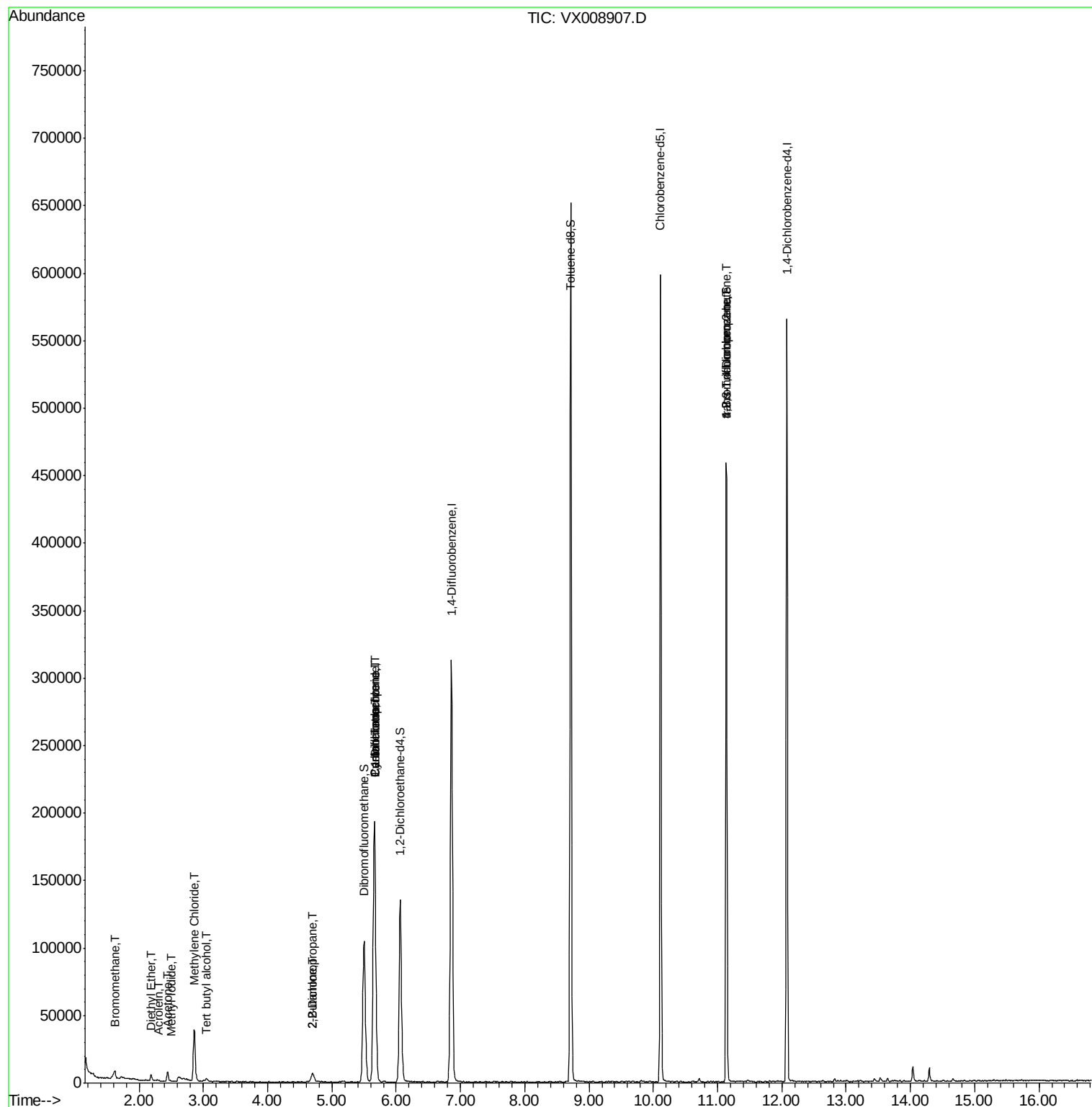
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	285	Below Cal	#	86
5) Bromomethane	1.64	94	395	2.149	ug/l #	80
6) Chloroethane	1.73	64	19	Below Cal	#	43
8) Diethyl Ether	2.19	74	1361	0.887	ug/l	94
10) Methyl Iodide	2.51	142	130	4.066	ug/l #	42
11) Tert butyl alcohol	3.05	59	2504	3.897	ug/l #	88
13) Acrolein	2.30	56	121	0.380	ug/l #	80
16) Acetone	2.45	43	7914	5.007	ug/l	95
17) Carbon Disulfide	2.57	76	858	Below Cal	#	91
20) Methylene Chloride	2.85	84	17669	6.678	ug/l	98
25) 2-Butanone	4.70	43	734	0.294	ug/l #	53
26) 2,2-Dichloropropane	4.70	77	679	0.203	ug/l #	53
28) Bromochloromethane	4.99	49	23	Below Cal	#	22
31) Cyclohexane	5.66	56	4107	0.866	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14928	4.566	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17655	6.524	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	64089	20.907	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64089	57.631	ug/l #	9

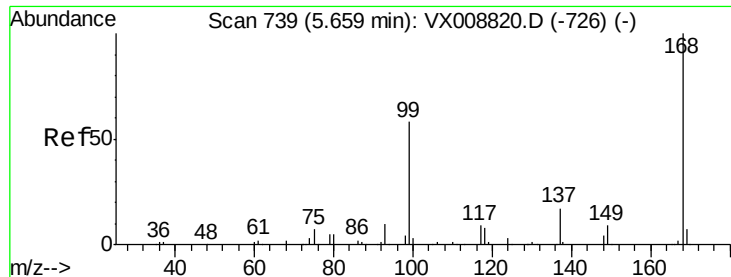
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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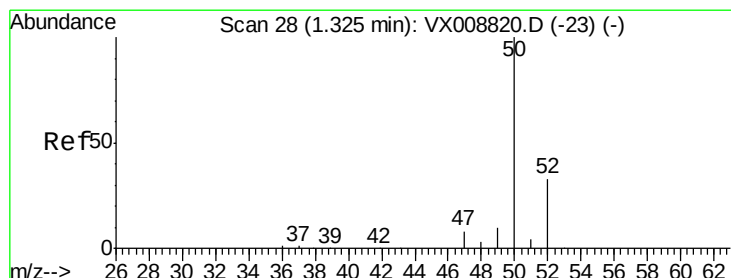
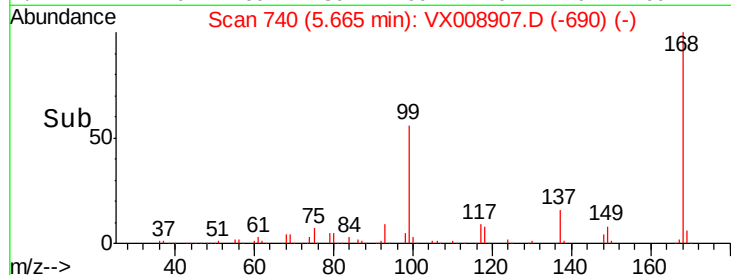
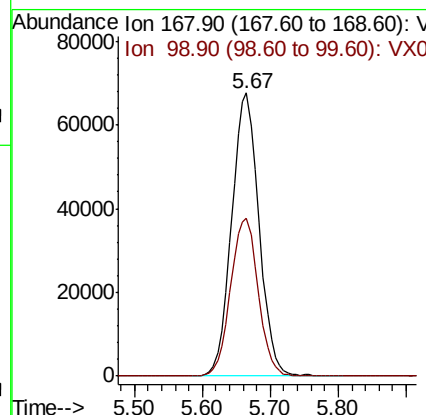
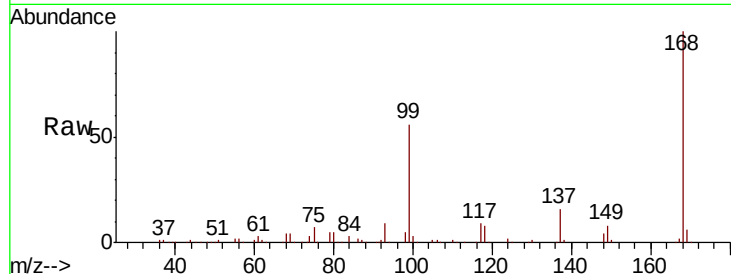




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX008907.D
Acq: 13 Apr 2019 00:05

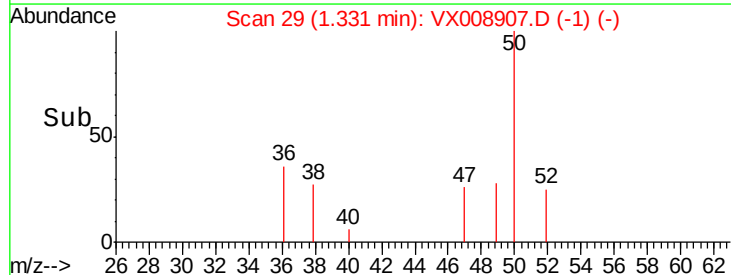
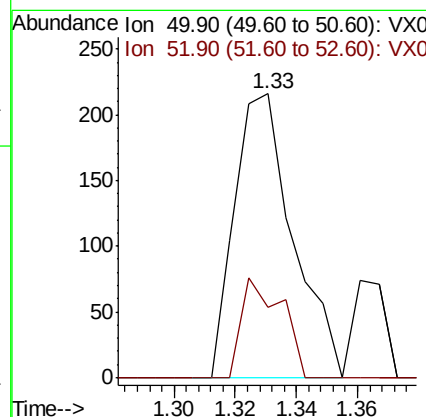
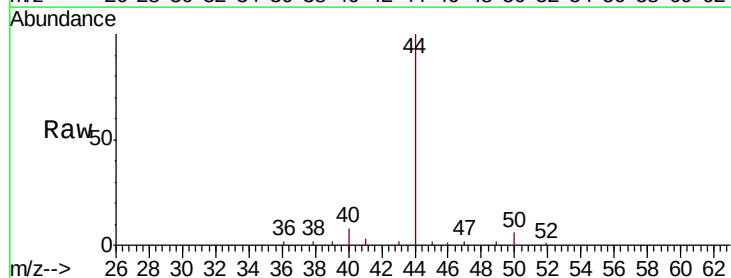
Instrument :
MSVOA_X
ClientSampleId :
0240-COMP-CS-5-ELTRT-DISS

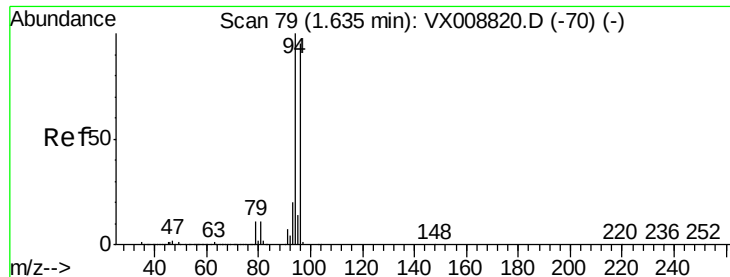
Tot Ion:168 Resp: 188152
Ion Ratio Lower Upper
168 100
99 55.7 46.7 70.1



#3
Chloromethane
Concen: Below Cal
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX008907.D
Acq: 13 Apr 2019 00:05

Tgt Ion: 50 Resp: 285
Ion Ratio Lower Upper
50 100
52 24.5 25.8 38.8#





#5

Bromomethane

Concen: 2.149 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008907.D

Acq: 13 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

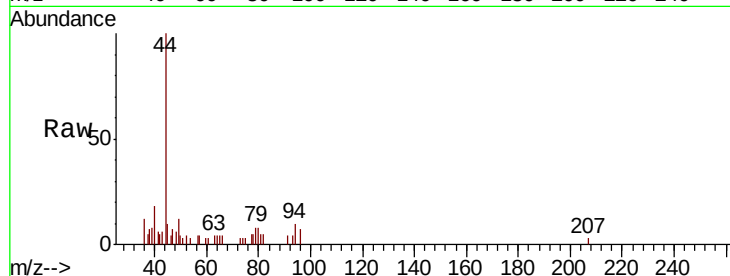
0240-COMP-CS-5-ELTRT-DISS

Tot Ion: 94 Resp: 395

Ion Ratio Lower Upper

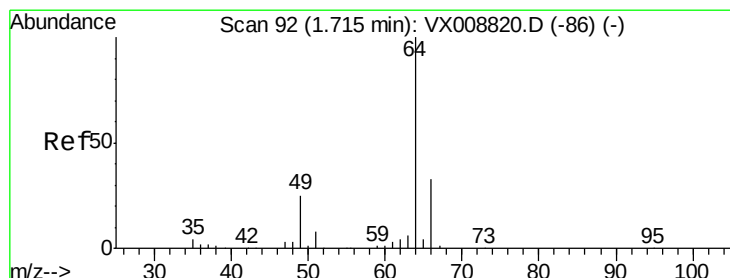
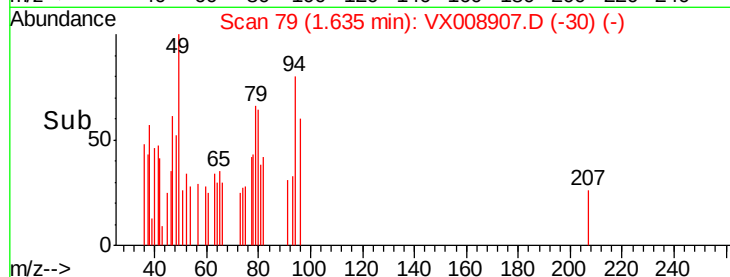
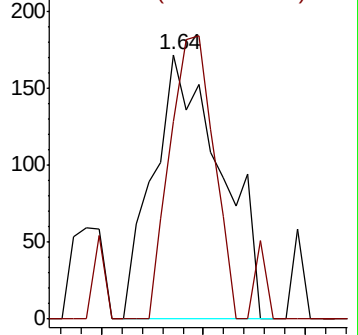
94 100

96 74.4 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: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX008907.D

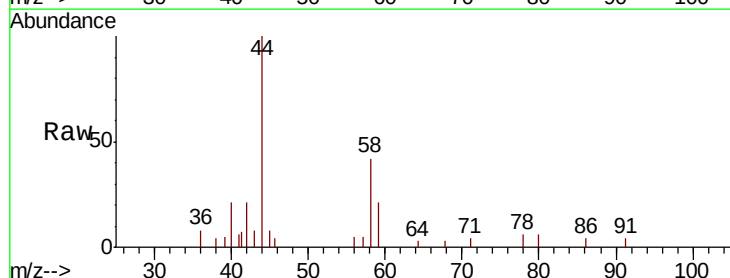
Acq: 13 Apr 2019 00:05

Tgt Ion: 64 Resp: 19

Ion Ratio Lower Upper

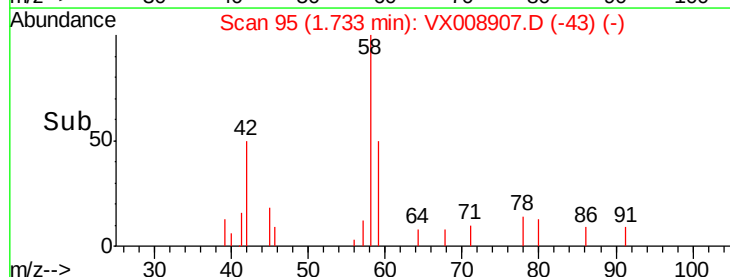
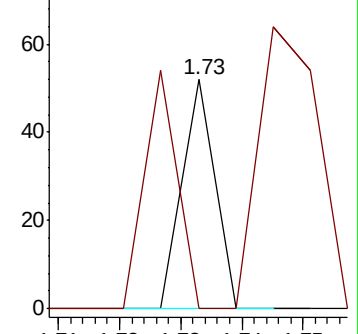
64 100

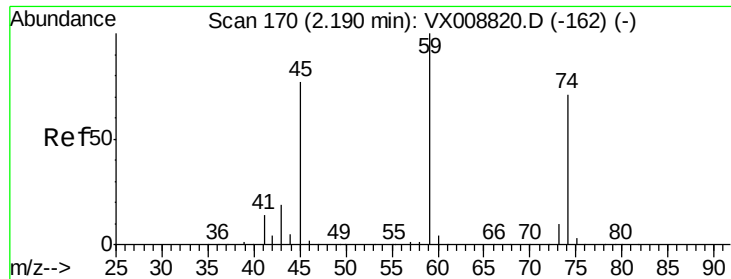
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.887 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX008907.D

Acq: 13 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

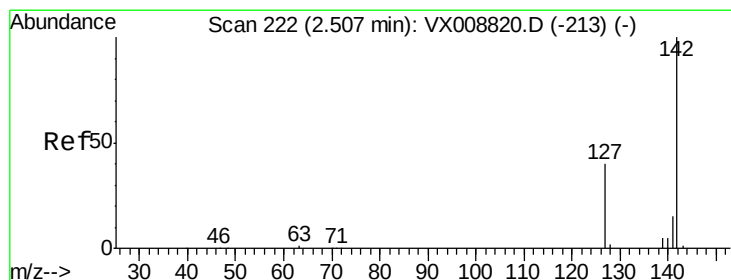
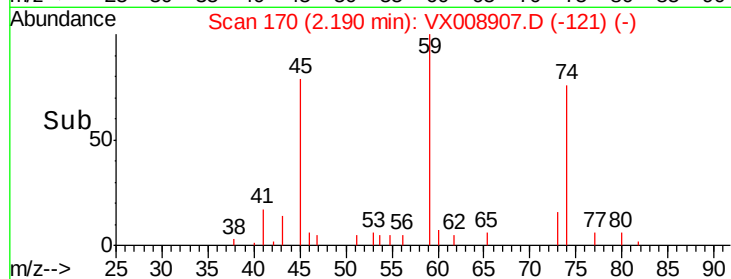
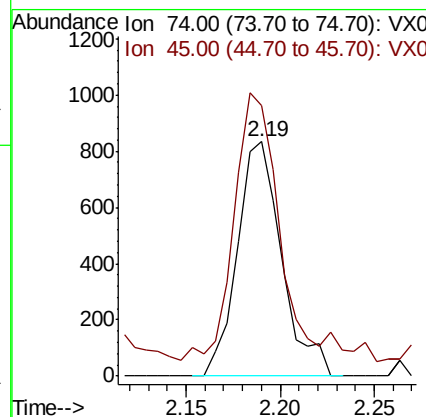
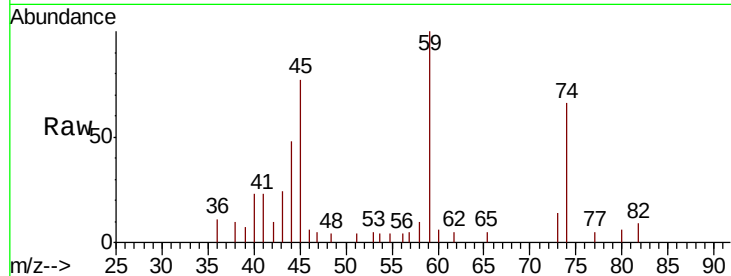
0240-COMP-CS-5-ELTRT-DISS

Tot Ion: 74 Resp: 1361

Ion Ratio Lower Upper

74 100

45 119.0 56.5 169.5



#10

Methyl Iodide

Concen: 4.066 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008907.D

Acq: 13 Apr 2019 00:05

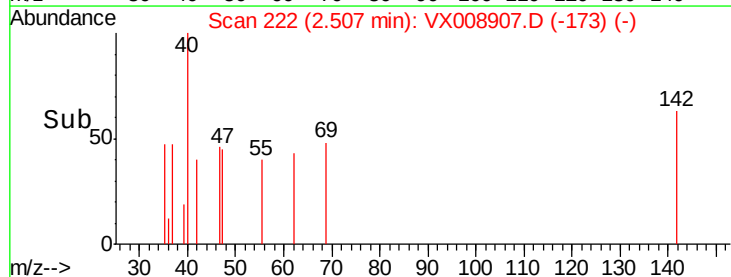
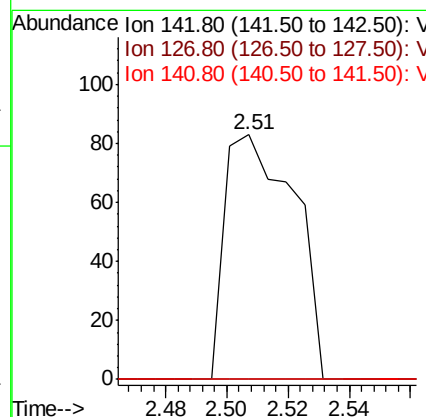
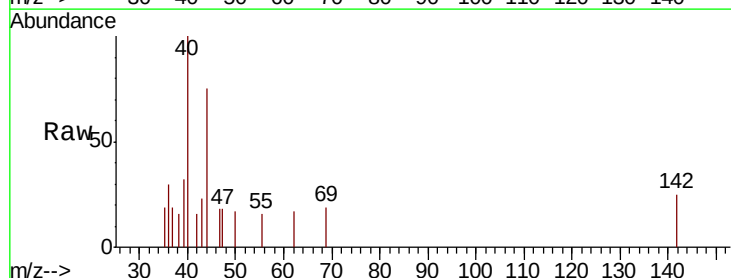
Tgt Ion: 142 Resp: 130

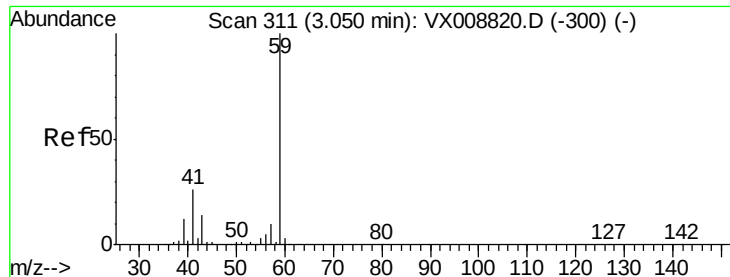
Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.6#

141 0.0 11.4 17.2#



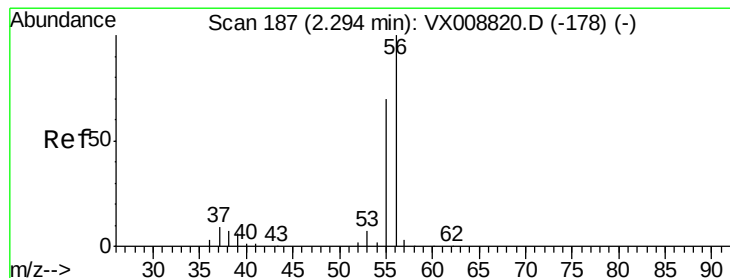
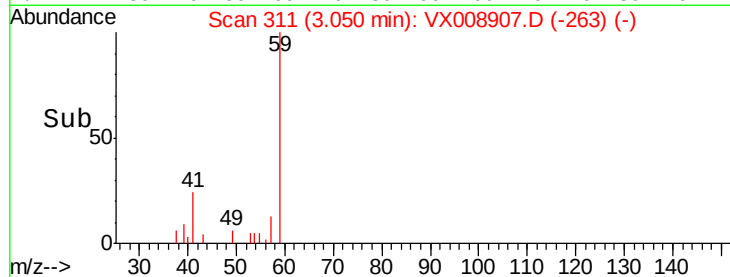
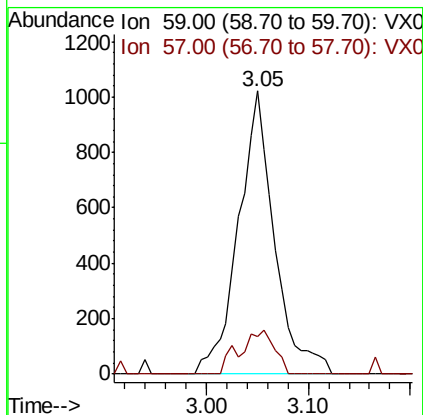
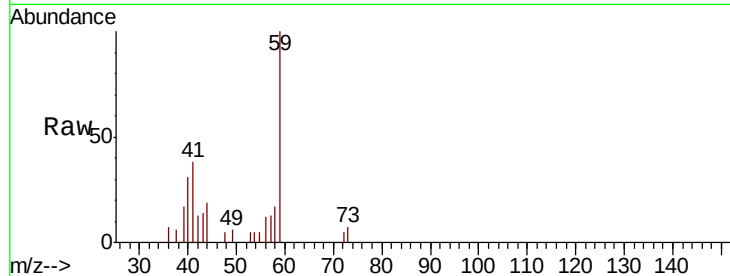


#11

Tert butyl alcohol
Concen: 3.897 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008907.D
Acq: 13 Apr 2019 00:05

Instrument :
MSVOA_X
ClientSampleId :
0240-COMP-CS-5-ELTRT-DISS

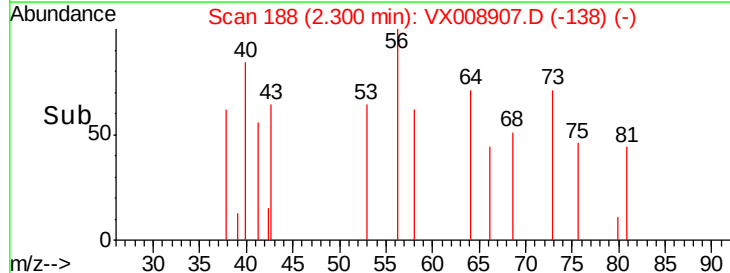
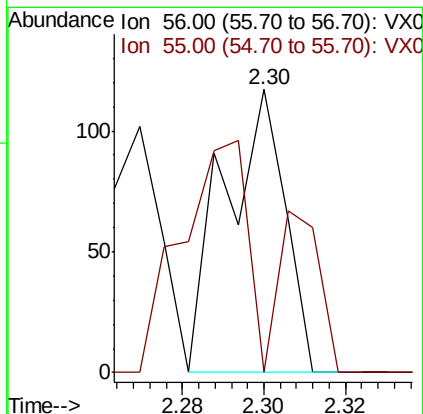
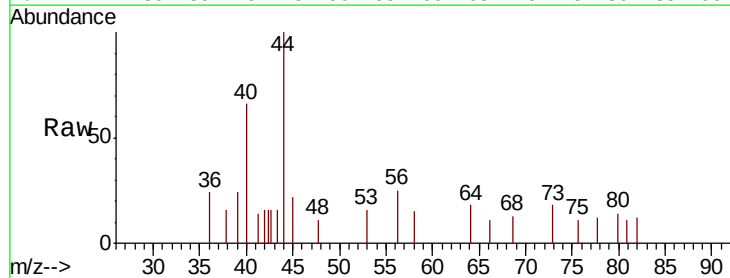
Tot Ion: 59 Resp: 2504
Ion Ratio Lower Upper
59 100
57 14.9 8.3 12.5#

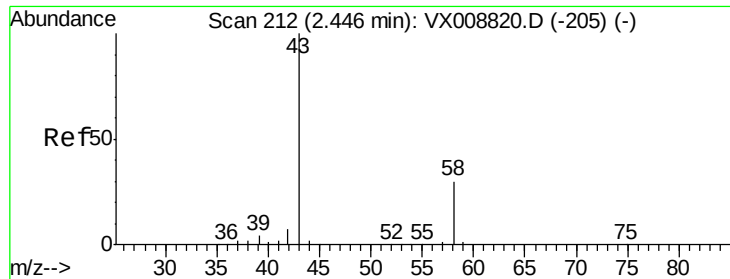


#13

Acrolein
Concen: 0.380 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX008907.D
Acq: 13 Apr 2019 00:05

Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 89.3 58.0 87.0#





#16

Acetone

Concen: 5.007 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008907.D

Acq: 13 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

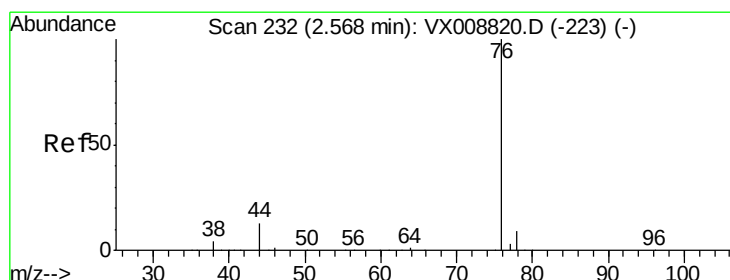
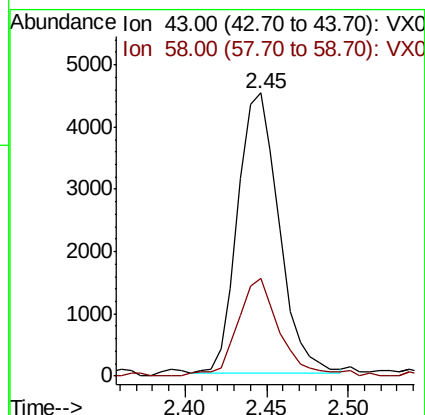
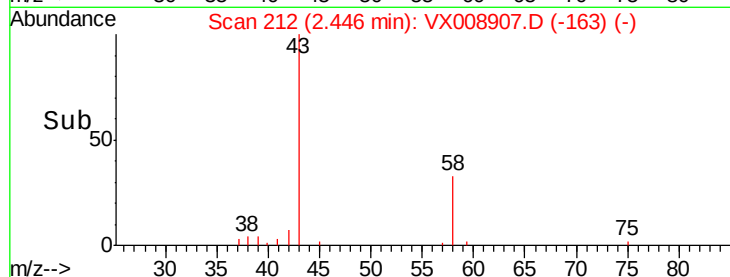
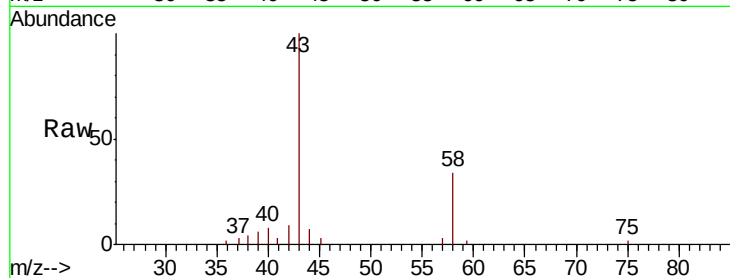
0240-COMP-CS-5-ELTRT-DISS

Tot Ion: 43 Resp: 7914

Ion Ratio Lower Upper

43 100

58 33.6 24.8 37.2



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008907.D

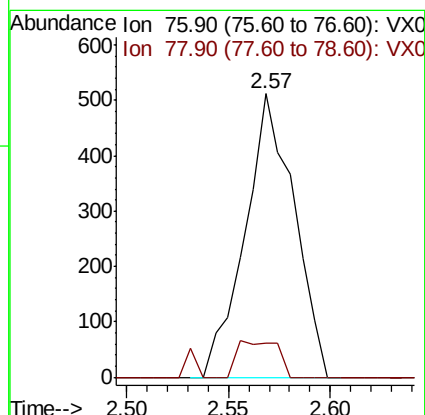
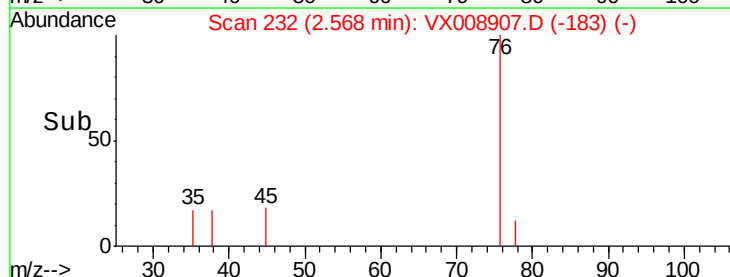
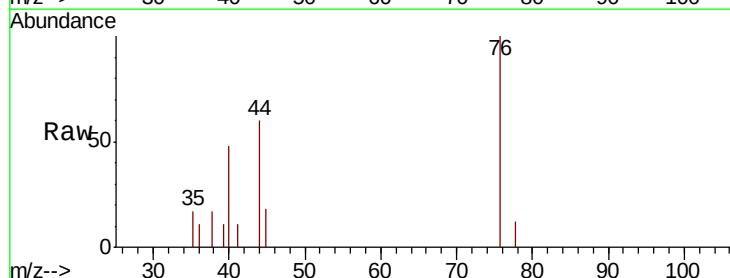
Acq: 13 Apr 2019 00:05

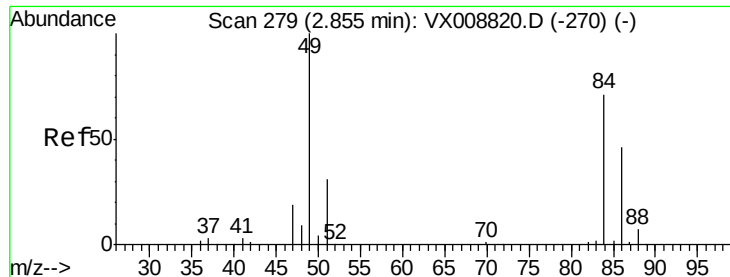
Tgt Ion: 76 Resp: 858

Ion Ratio Lower Upper

76 100

78 12.1 7.1 10.7#

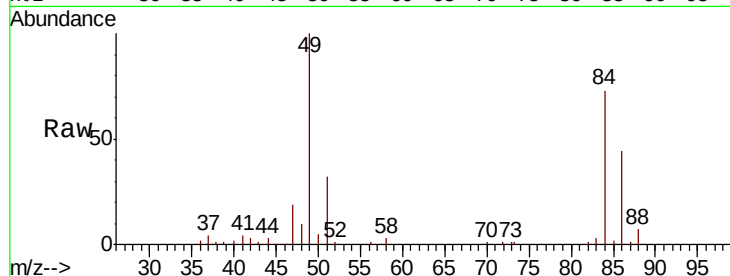




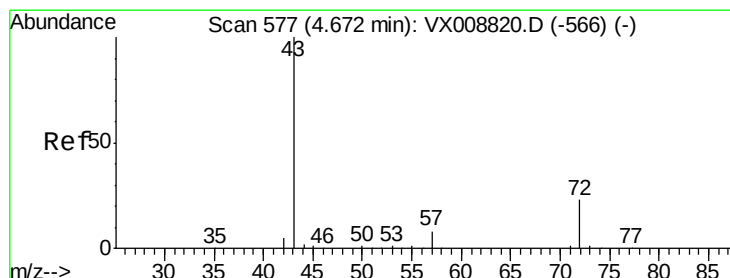
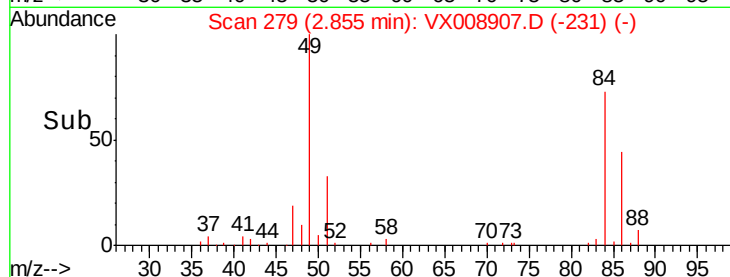
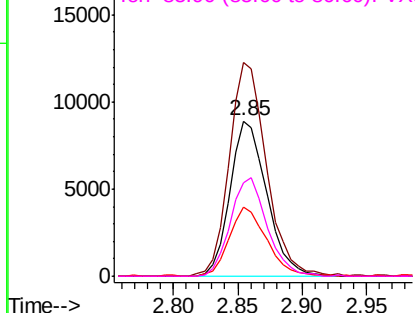
#20
Methvlene Chloride
Concen: 6.678 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008907.D
Acq: 13 Apr 2019 00:05

Instrument :
MSVOA_X
ClientSampleId :
0240-COMP-CS-5-ELTRT-DISS

Tot Ion: 84 Resp: 17669
Ion Ratio Lower Upper
84 100
49 137.8 109.7 164.5
51 44.6 33.6 50.4
86 60.2 51.4 77.2

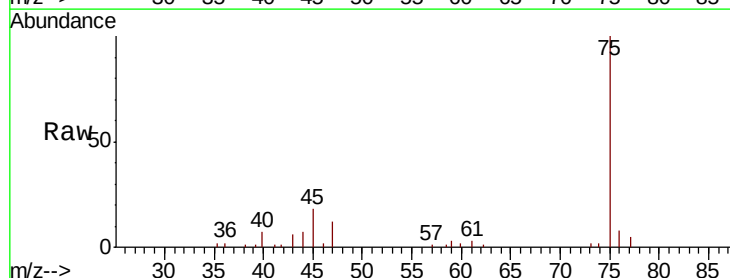


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

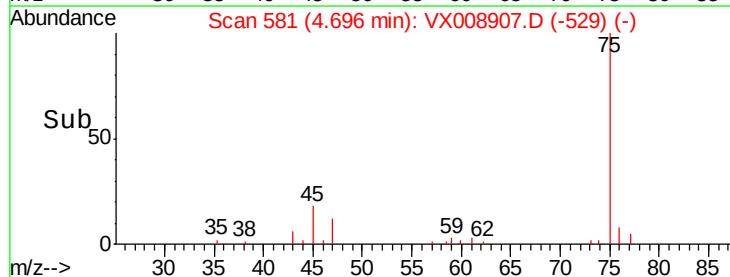
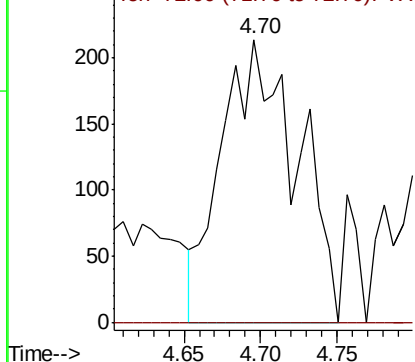


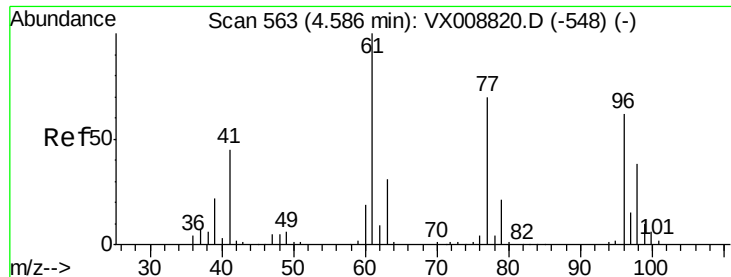
#25
2-Butanone
Concen: 0.294 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX008907.D
Acq: 13 Apr 2019 00:05

Tgt Ion: 43 Resp: 734
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

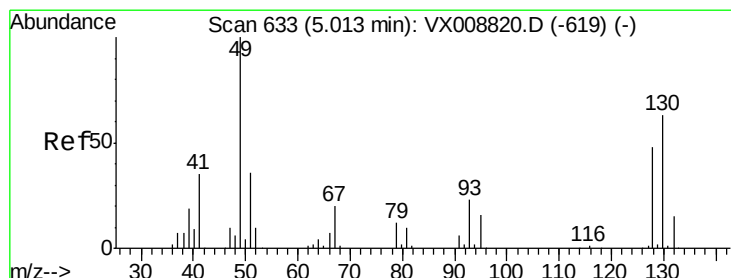
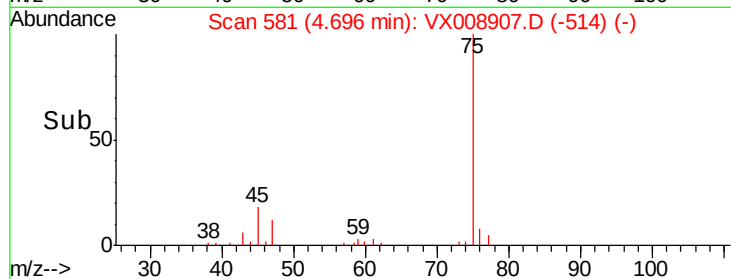
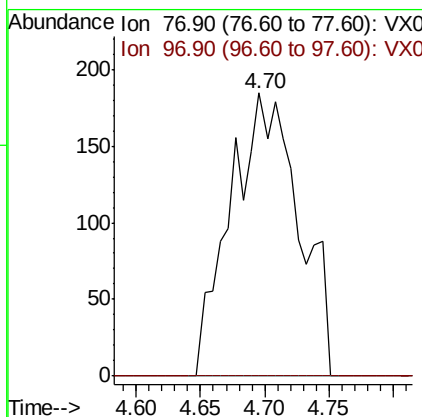
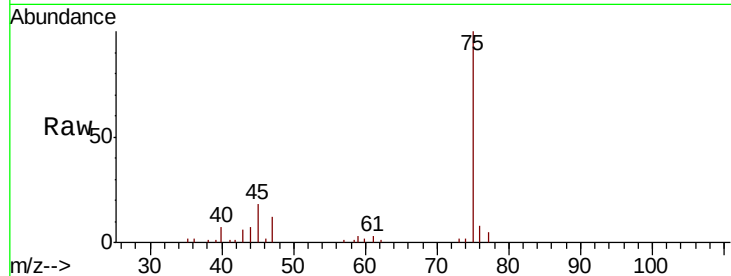




#26
 2,2-Dichloropropane
 Concen: 0.203 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. 0.11 min
 Lab File: VX008907.D
 Acq: 13 Apr 2019 00:05

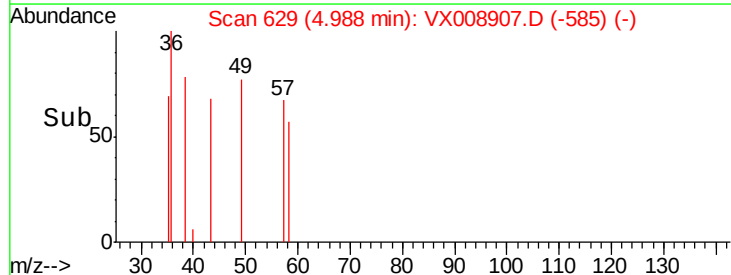
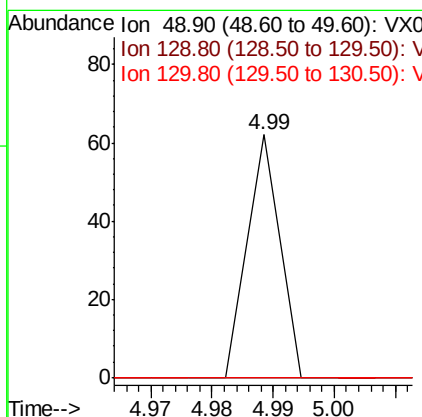
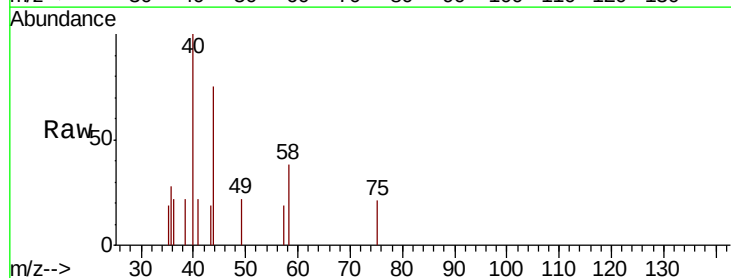
Instrument :
 MSVOA_X
 ClientSampleId :
 0240-COMP-CS-5-ELTRT-DISS

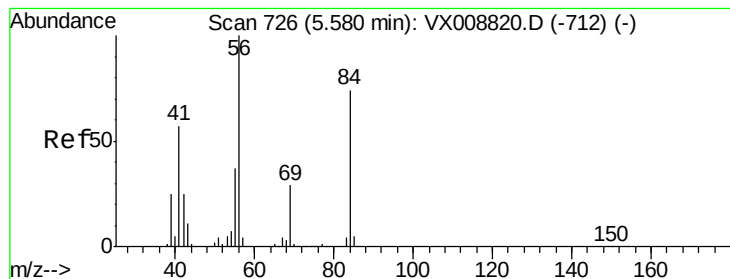
Tot Ion: 77 Resp: 679
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.5 34.5#



#28
 Bromochloromethane
 Concen: Below Cal
 RT: 4.99 min Scan# 629
 Delta R.T. -0.03 min
 Lab File: VX008907.D
 Acq: 13 Apr 2019 00:05

Tgt Ion: 49 Resp: 23
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 49.3 73.9#





#31

Cyclohexane

Concen: 0.866 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008907.D

Acq: 13 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

0240-COMP-CS-5-ELTRT-DISS

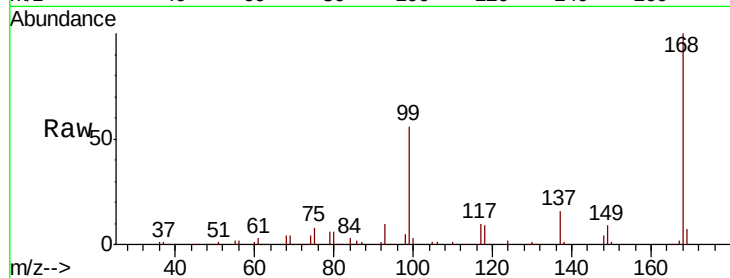
Tot Ion: 56 Resp: 4107

Ion Ratio Lower Upper

56 100

69 179.6 22.6 33.8#

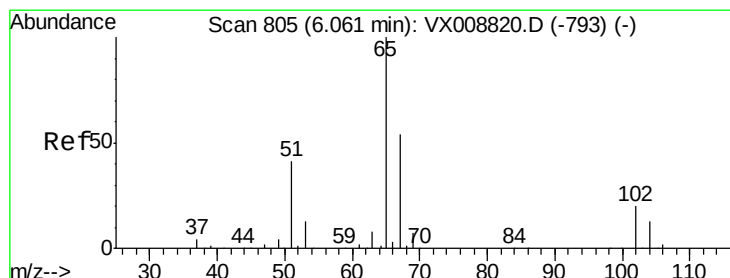
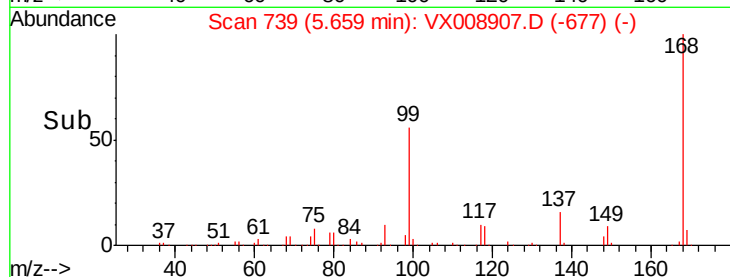
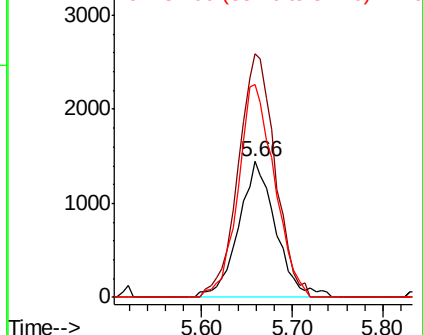
84 157.2 59.3 88.9#



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: 45.610 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008907.D

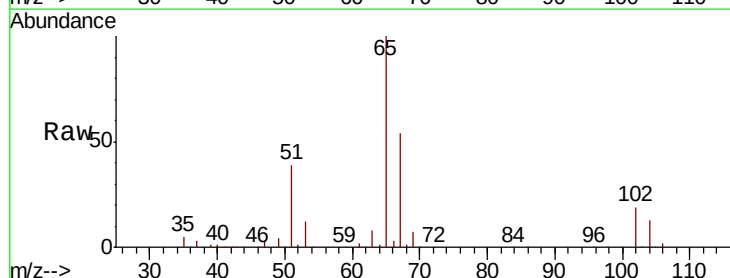
Acq: 13 Apr 2019 00:05

Tgt Ion: 65 Resp: 125169

Ion Ratio Lower Upper

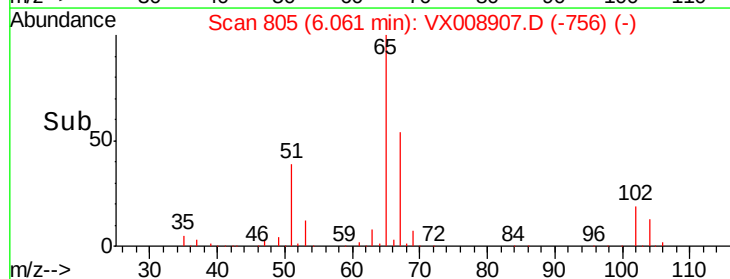
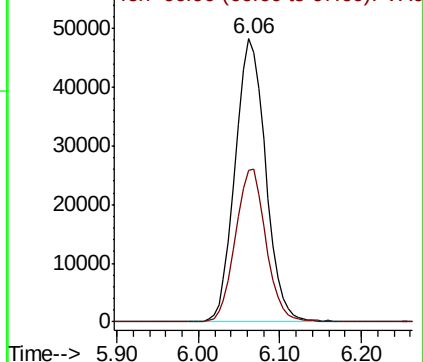
65 100

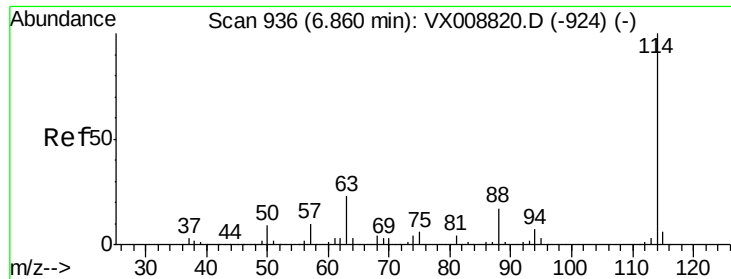
67 54.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

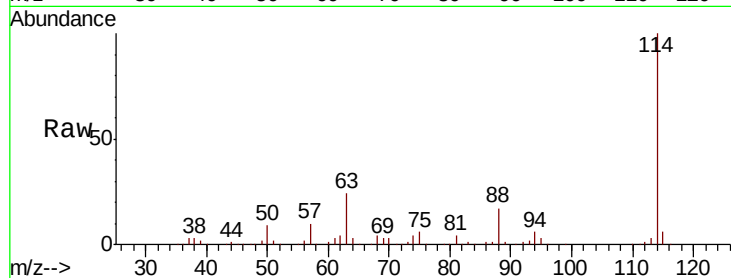




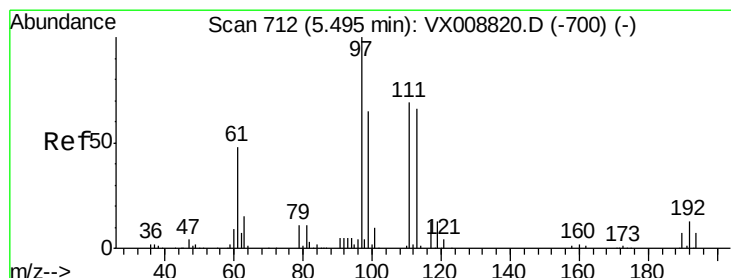
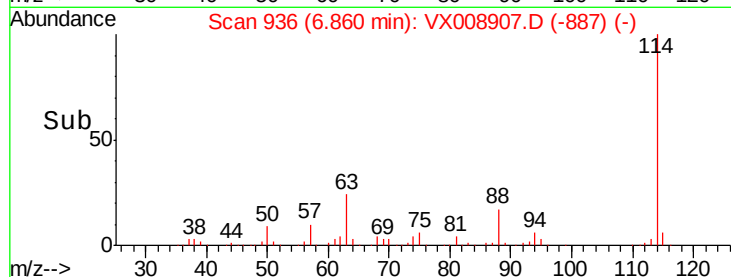
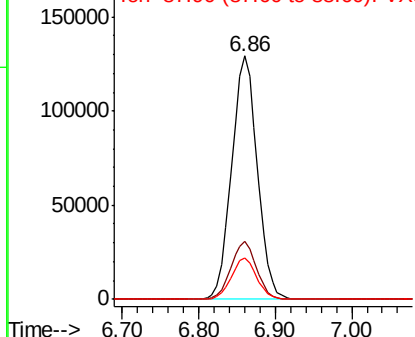
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008907.D
Acq: 13 Apr 2019 00:05

Instrument :
MSVOA_X
ClientSampleId :
0240-COMP-CS-5-ELTRT-DISS

Tot Ion:114 Resp: 299121
Ion Ratio Lower Upper
114 100
63 23.9 0.0 47.2
88 17.0 0.0 34.0

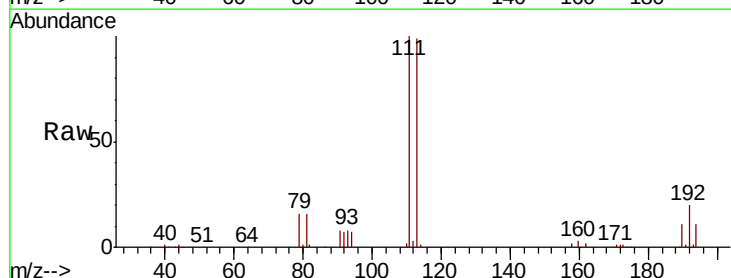


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

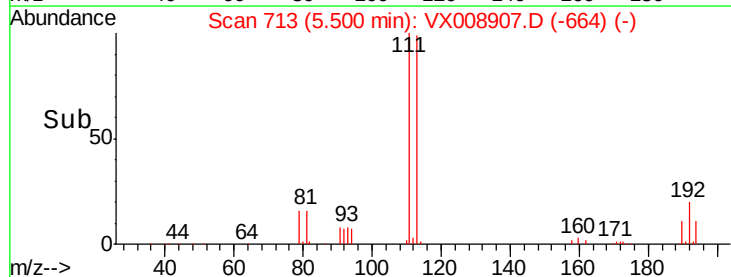
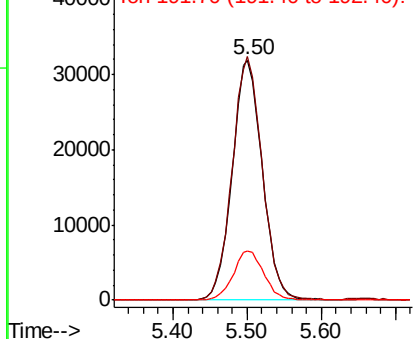


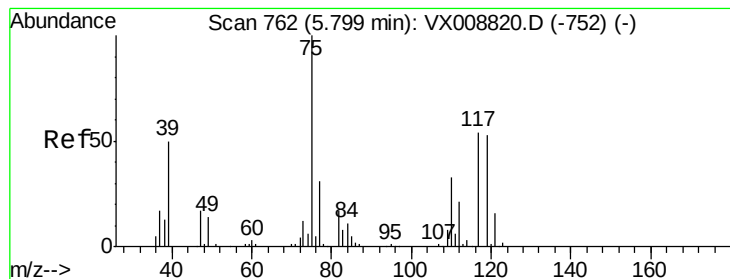
#35
Dibromofluoromethane
Concen: 47.366 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008907.D
Acq: 13 Apr 2019 00:05

Tgt Ion:113 Resp: 90585
Ion Ratio Lower Upper
113 100
111 100.9 83.4 125.2
192 20.9 16.1 24.1



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: 4.566 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008907.D

Acq: 13 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

0240-COMP-CS-5-ELTRT-DISS

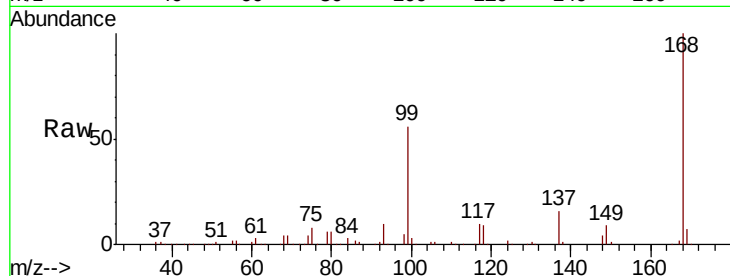
Tot Ion: 75 Resp: 14928

Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.2#

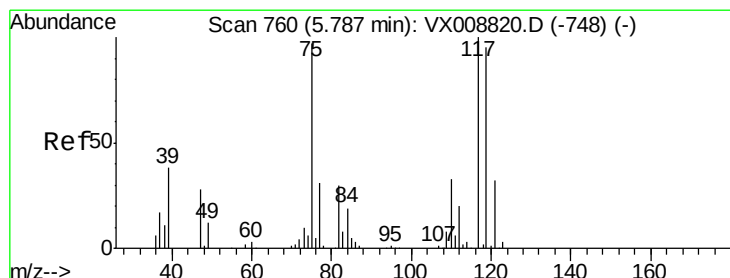
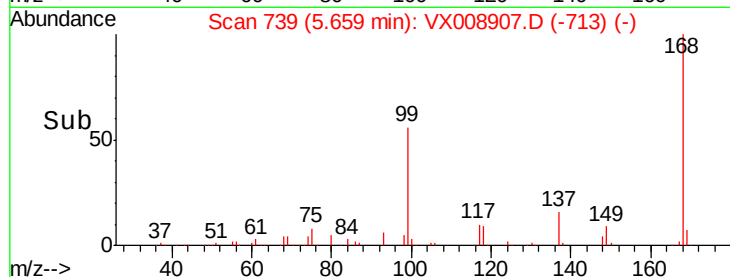
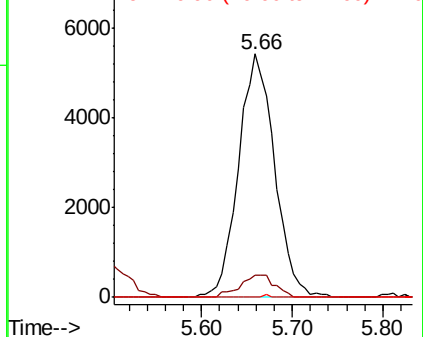
77 0.1 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX008820.D (-752) (-)

Ion 109.90 (109.60 to 110.60): VX008820.D (-752) (-)

Ion 76.90 (76.60 to 77.60): VX008820.D (-752) (-)



#38

Carbon Tetrachloride

Concen: 6.524 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008907.D

Acq: 13 Apr 2019 00:05

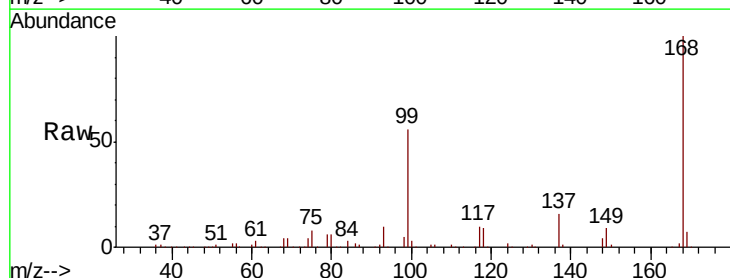
Tgt Ion: 117 Resp: 17655

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

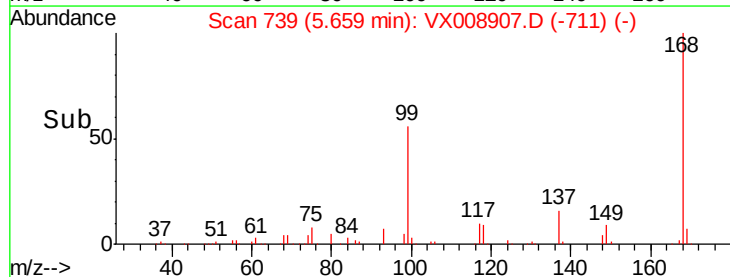
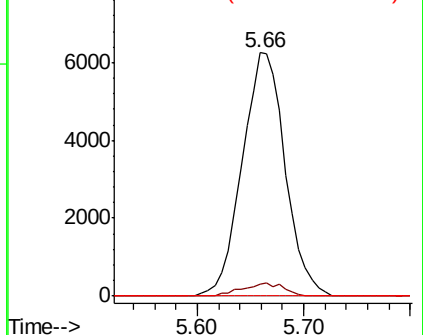
121 0.0 24.3 36.5#

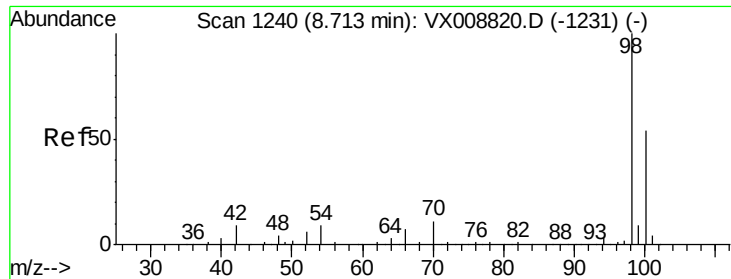


Abundance Ion 116.80 (116.50 to 117.50): VX008820.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX008820.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX008820.D (-748) (-)





#50

Toluene-d8

Concen: 49.853 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008907.D

Acq: 13 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

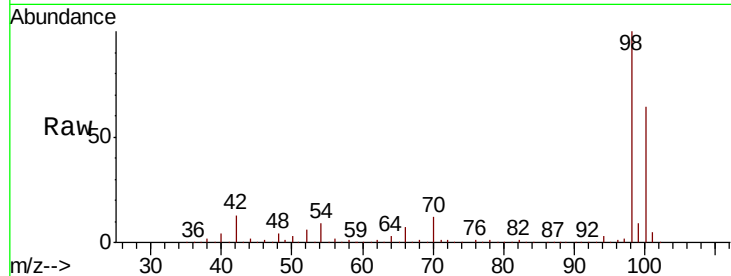
0240-COMP-CS-5-ELTRT-DISS

Tot Ion: 98 Resp: 379630

Ion Ratio Lower Upper

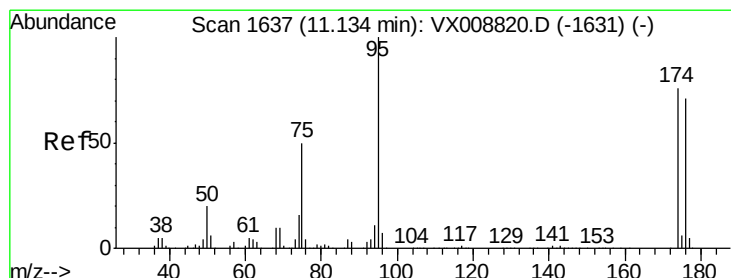
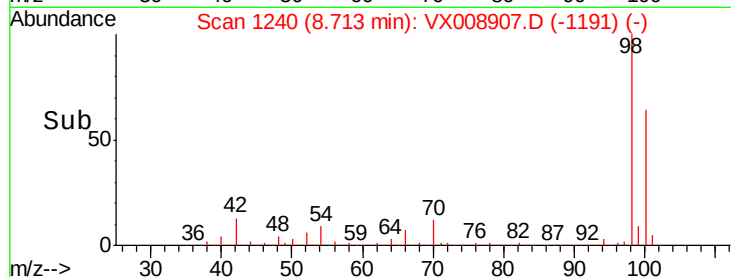
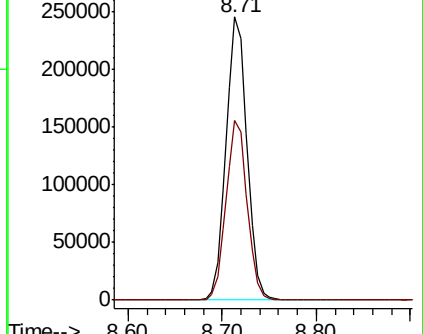
98 100

100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.754 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008907.D

Acq: 13 Apr 2019 00:05

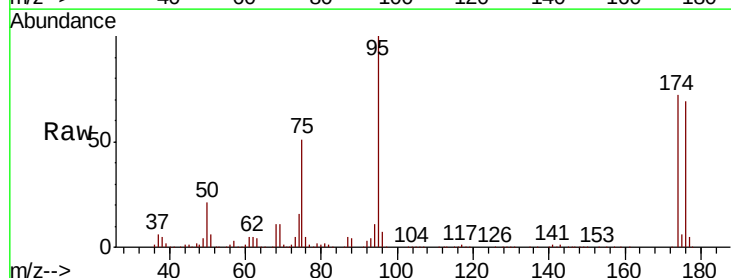
Tgt Ion: 95 Resp: 126254

Ion Ratio Lower Upper

95 100

174 79.1 0.0 151.8

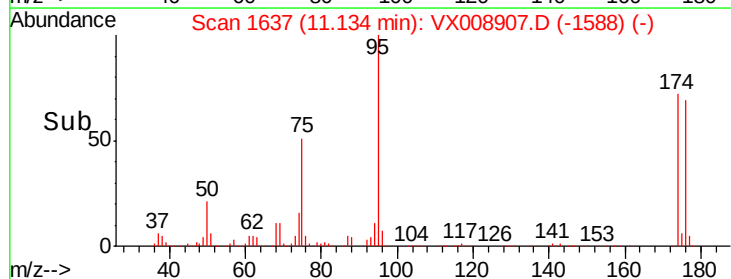
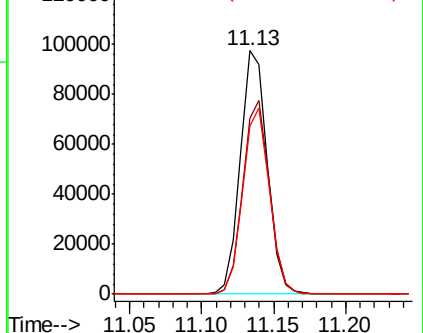
176 75.6 0.0 145.8

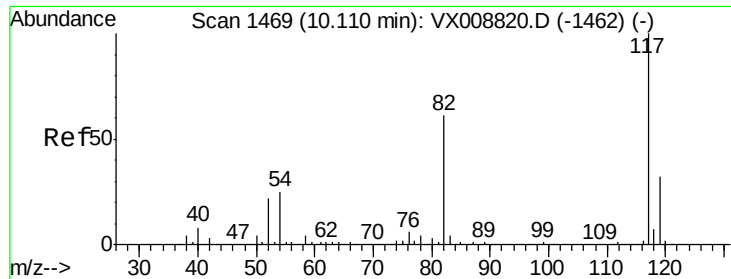


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

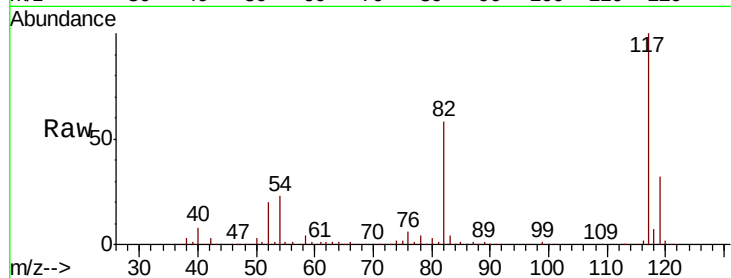




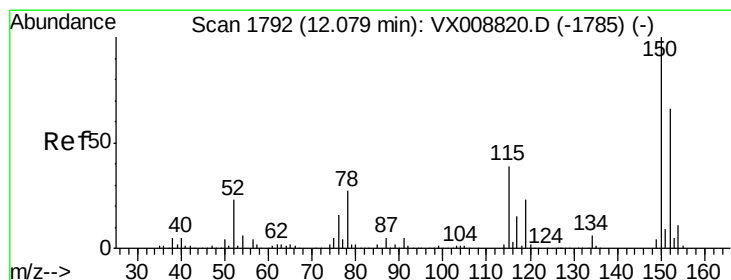
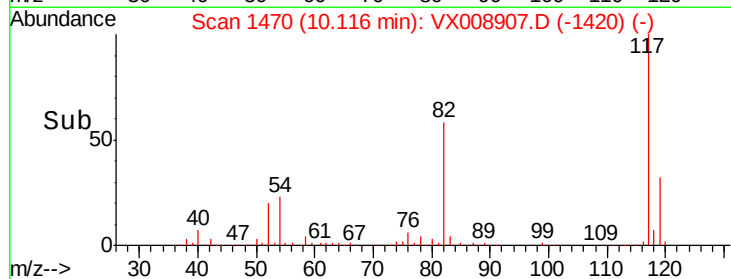
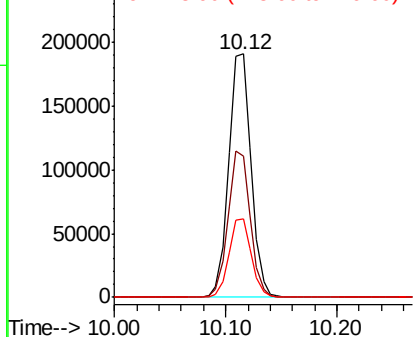
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008907.D
Acq: 13 Apr 2019 00:05

Instrument :
MSVOA_X
ClientSampleId :
0240-COMP-CS-5-ELTRT-DISS

Tot Ion:117 Resp: 265041
Ion Ratio Lower Upper
117 100
82 57.9 49.6 74.4
119 32.2 25.0 37.4

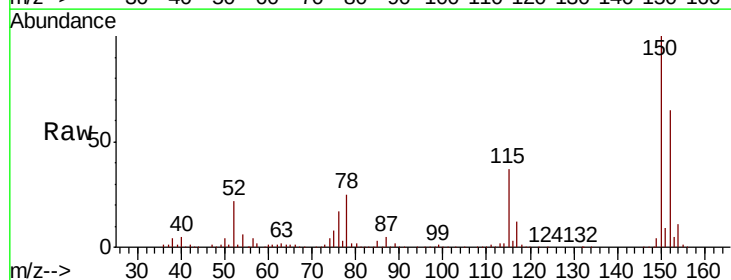


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

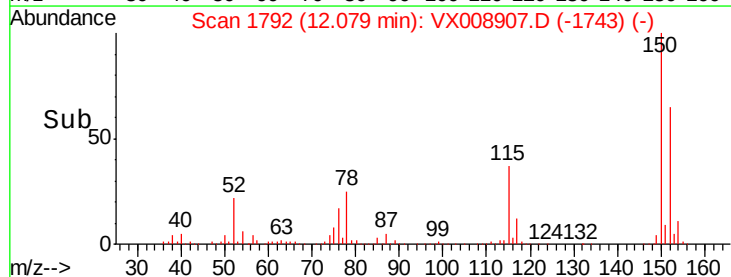
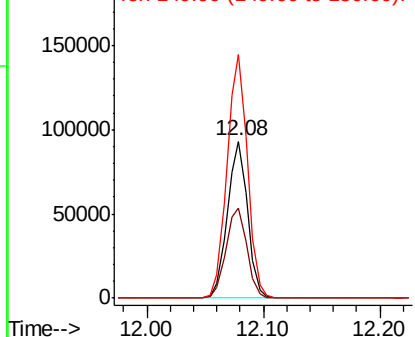


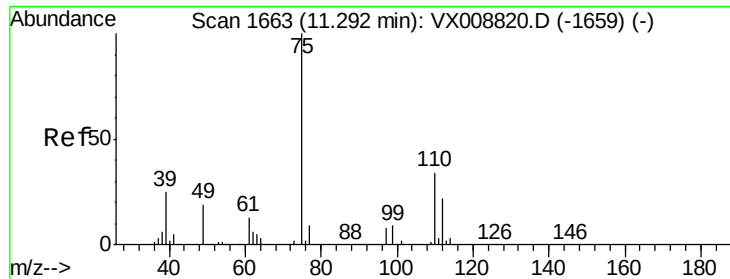
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008907.D
Acq: 13 Apr 2019 00:05

Tgt Ion:152 Resp: 111589
Ion Ratio Lower Upper
152 100
115 59.6 43.5 130.5
150 157.3 0.0 348.8



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

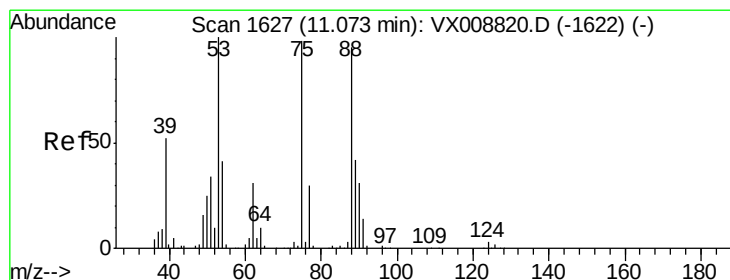
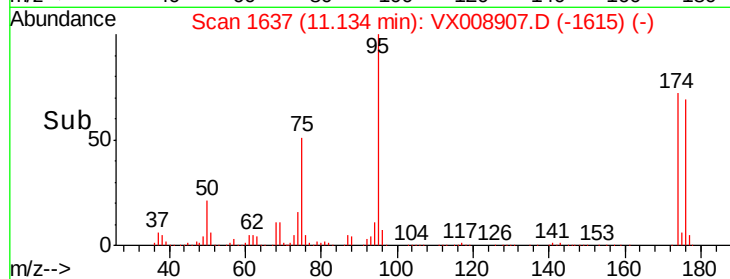
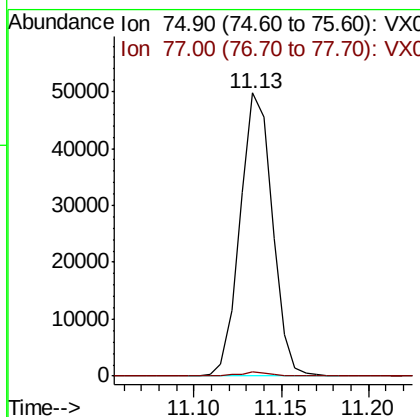
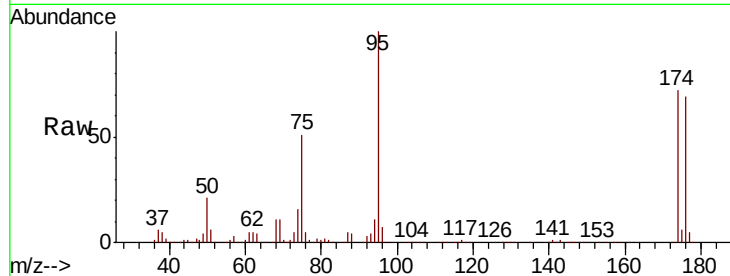




#76
 1,2,3-Trichloropropane
 Concen: 20.907 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008907.D
 Acq: 13 Apr 2019 00:05

Instrument :
 MSVOA_X
 ClientSampleId :
 0240-COMP-CS-5-ELTRT-DISS

Tot Ion: 75 Resp: 64089
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.631 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008907.D
 Acq: 13 Apr 2019 00:05

Tgt Ion: 75 Resp: 64089
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.3 121.9#
 89 0.0 35.6 53.4#

