

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008897.D
 Acq On : 12 Apr 2019 19:24
 Operator : JC/SP
 Sample : K2367-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0708

Quant Time: Apr 13 05:01:41 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	199224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	321043	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	274727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114668	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	130952	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	
35) Dibromofluoromethane	5.50	113	95920	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	8.71	98	397128	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.13	95	129722	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	

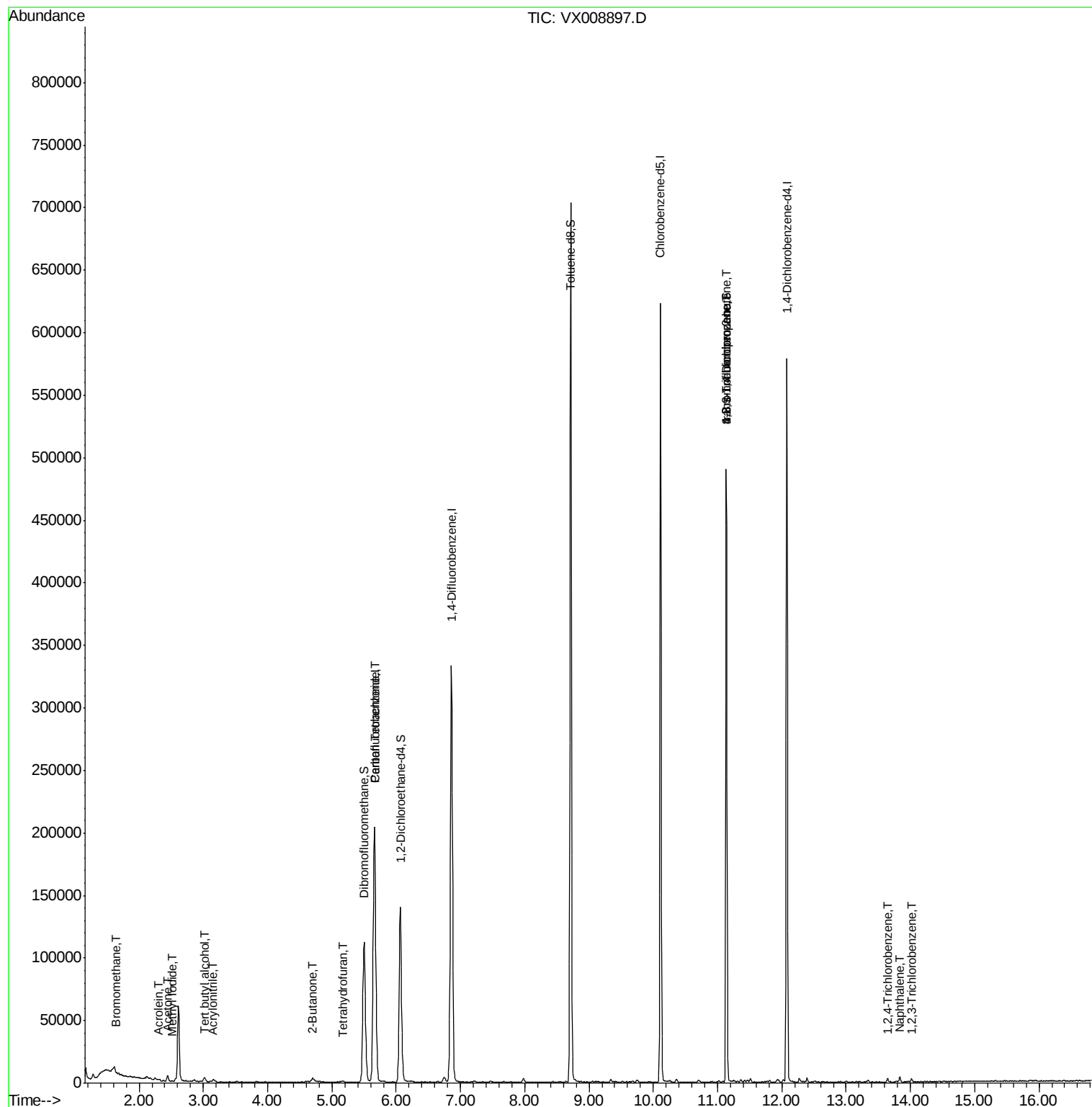
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	905	Below Cal	#	83
5) Bromomethane	1.64	94	760	2.364	ug/l	93
10) Methyl Iodide	2.51	142	686	4.317	ug/l #	91
11) Tert butyl alcohol	3.01	59	2288	3.363	ug/l #	81
13) Acrolein	2.31	56	267	0.792	ug/l	87
15) Acrylonitrile	3.15	53	918	0.509	ug/l #	92
16) Acetone	2.45	43	5594	3.342	ug/l	98
17) Carbon Disulfide	2.57	76	3877	Below Cal		99
25) 2-Butanone	4.71	43	642	0.243	ug/l	99
28) Bromochloromethane	5.01	49	166	Below Cal	#	63
29) Tetrahydrofuran	5.16	42	365	0.208	ug/l #	75
38) Carbon Tetrachloride	5.66	117	18398	6.334	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	66109	20.987	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	66109	57.851	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.64	180	674	0.239	ug/l	90
95) Naphthalene	13.83	128	2526	0.268	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	661	0.234	ug/l	96

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041219\
Data File : VX008897.D
Acq On : 12 Apr 2019 19:24
Operator : JC/SP
Sample : K2367-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S8-0708

Quant Time: Apr 13 05:01:41 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: VX008897.D

Acq: 12 Apr 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

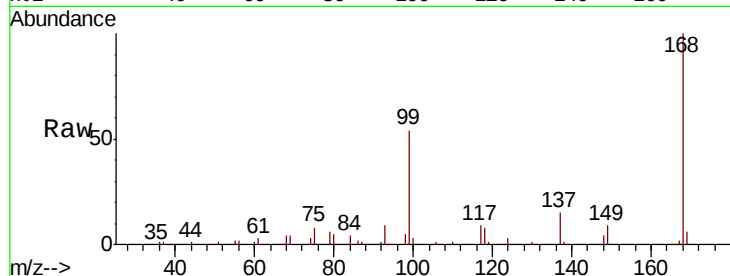
S8-0708

Tot Ion:168 Resp: 199224

Ion Ratio Lower Upper

168 100

99 53.6 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

80000

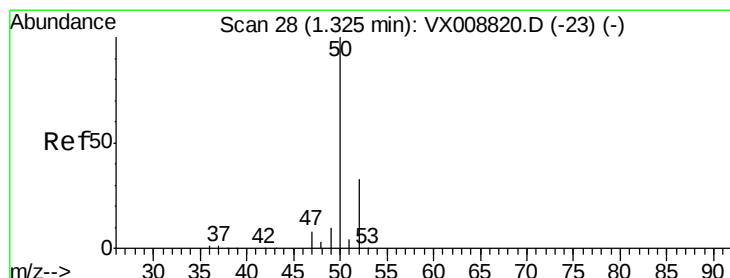
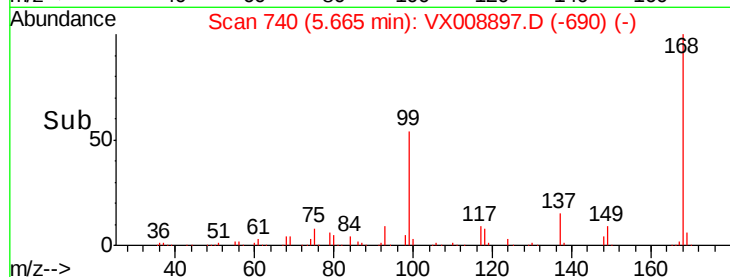
60000

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: VX008897.D

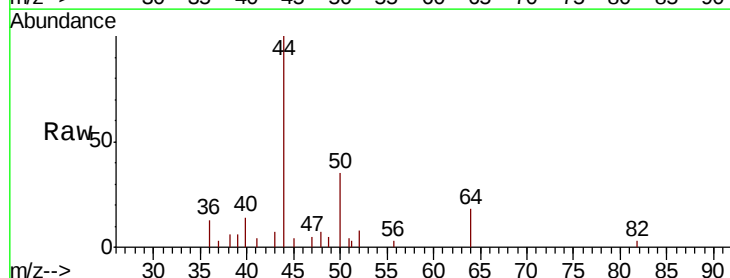
Acq: 12 Apr 2019 19:24

Tgt Ion: 50 Resp: 905

Ion Ratio Lower Upper

50 100

52 22.9 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

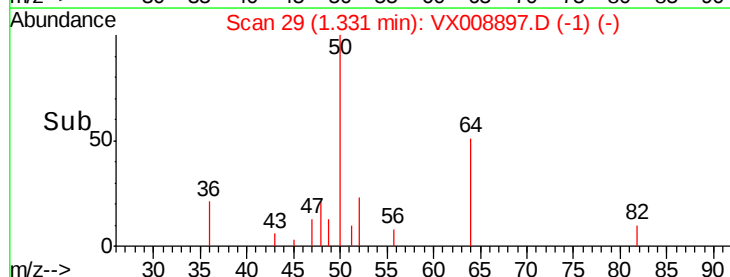
600

400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.364 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008897.D

Acq: 12 Apr 2019 19:24

Instrument :

MSVOA_X

ClientSampled :

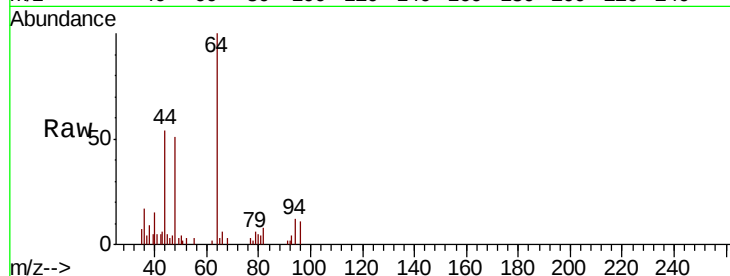
S8-0708

Tot Ion: 94 Resp: 760

Ion Ratio Lower Upper

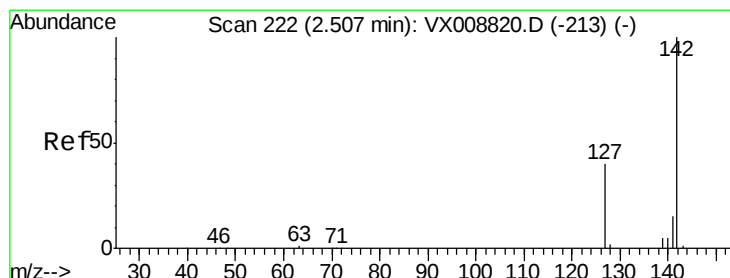
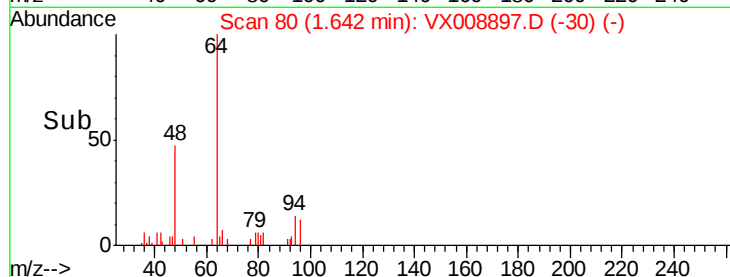
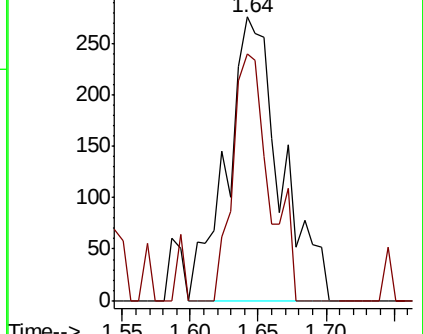
94 100

96 87.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.317 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008897.D

Acq: 12 Apr 2019 19:24

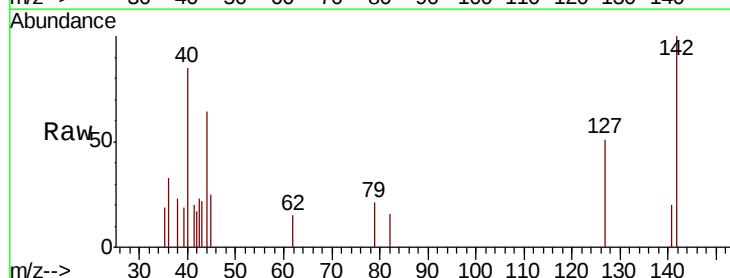
Tgt Ion: 142 Resp: 686

Ion Ratio Lower Upper

142 100

127 37.3 33.0 49.6

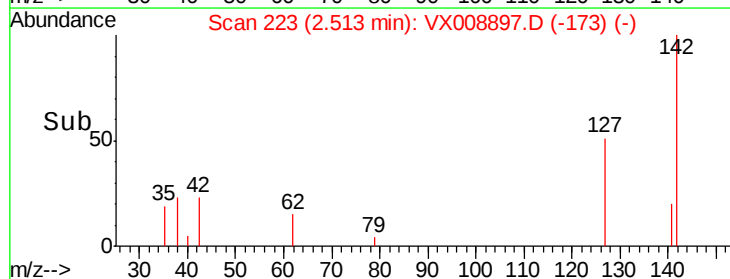
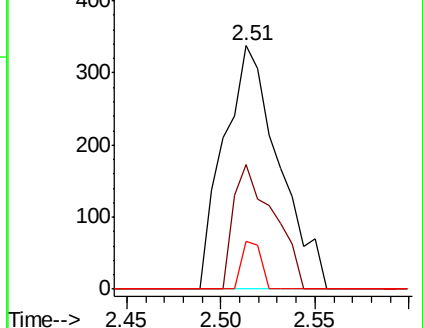
141 6.7 11.4 17.2#

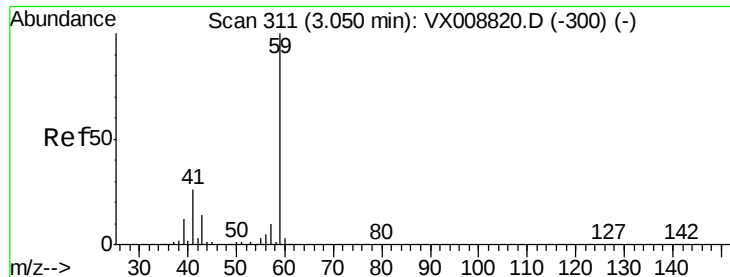


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

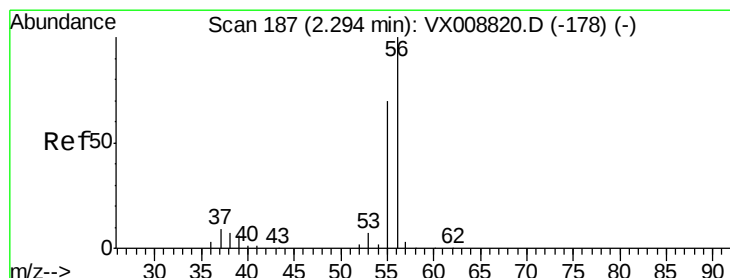
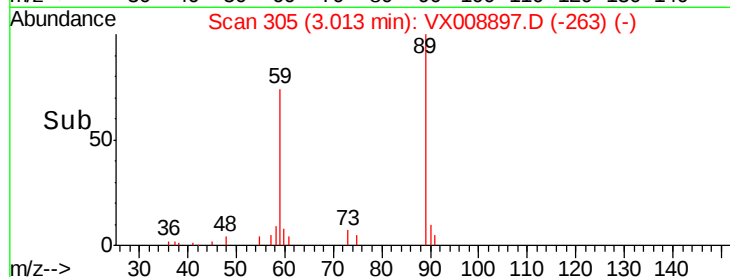
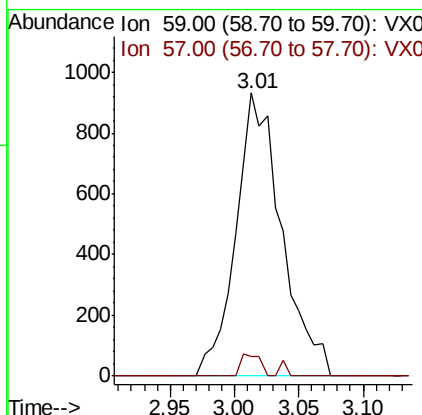
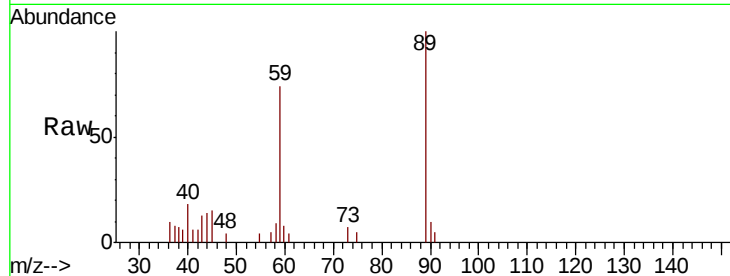




#11
Tert butyl alcohol
Concen: 3.363 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008897.D
Acq: 12 Apr 2019 19:24

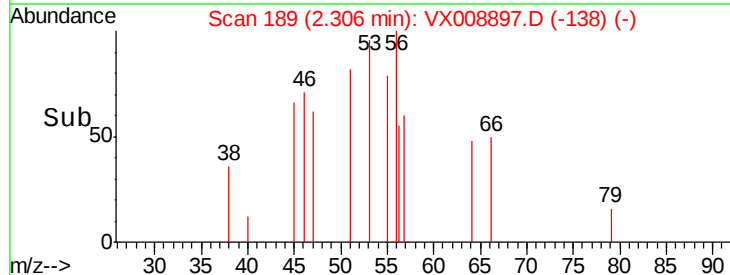
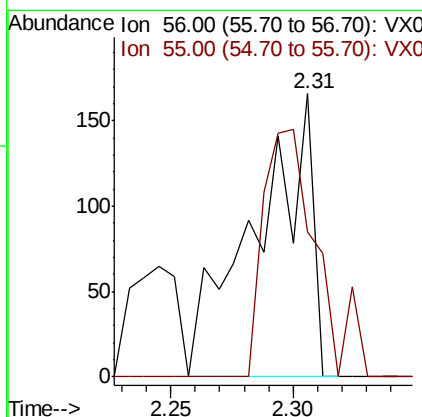
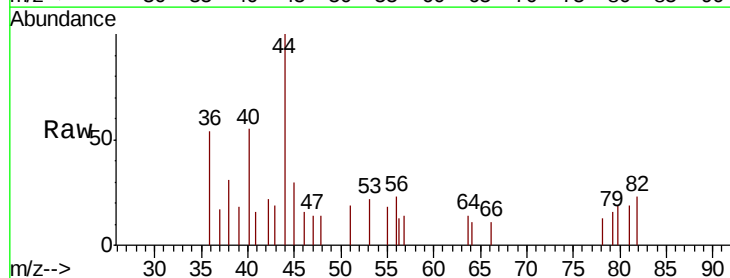
Instrument :
MSVOA_X
ClientSampleId :
S8-0708

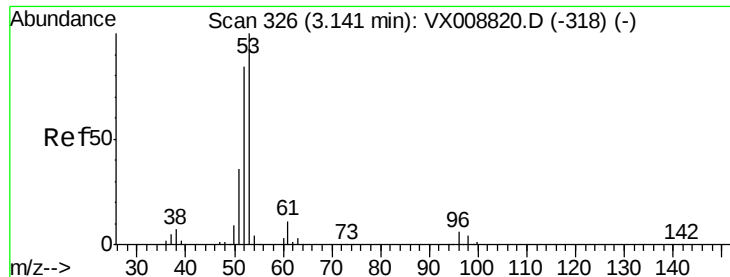
Tot Ion: 59 Resp: 2288
Ion Ratio Lower Upper
59 100
57 3.2 8.3 12.5#



#13
Acrolein
Concen: 0.792 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX008897.D
Acq: 12 Apr 2019 19:24

Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 83.1 58.0 87.0





#15

Acrylonitrile

Concen: 0.509 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX008897.D

Acq: 12 Apr 2019 19:24

Instrument :

MSVOA_X

ClientSampled :

S8-0708

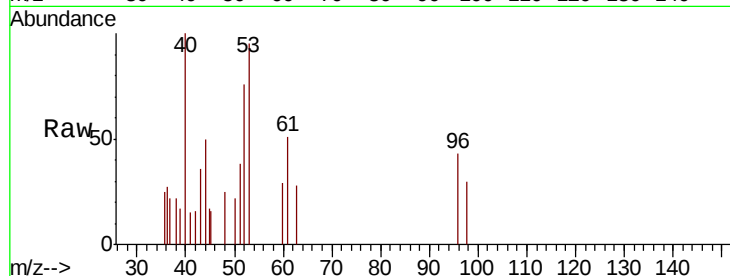
Tot Ion: 53 Resp: 918

Ion Ratio Lower Upper

53 100

52 86.2 66.5 99.7

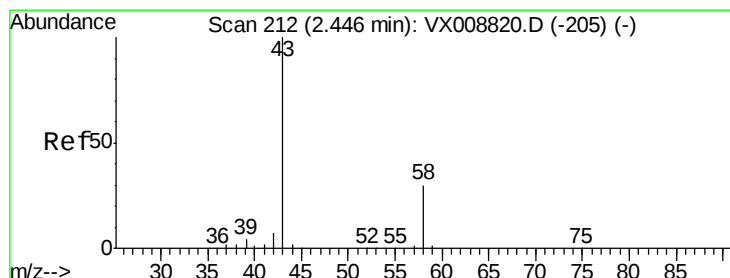
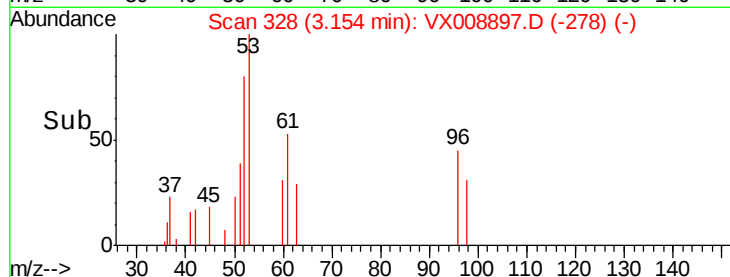
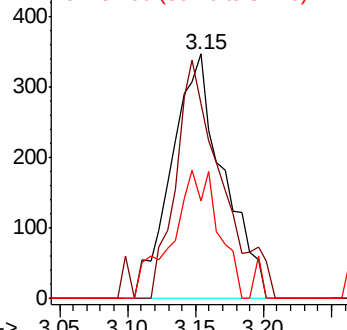
51 47.4 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 3.342 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008897.D

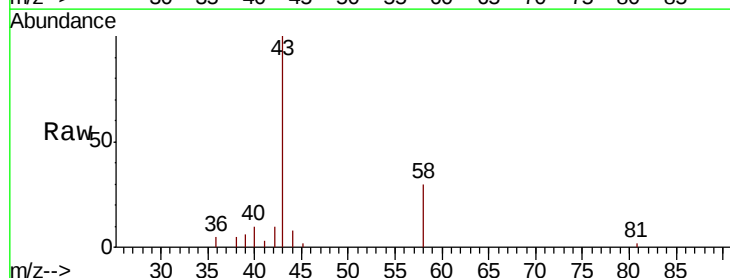
Acq: 12 Apr 2019 19:24

Tgt Ion: 43 Resp: 5594

Ion Ratio Lower Upper

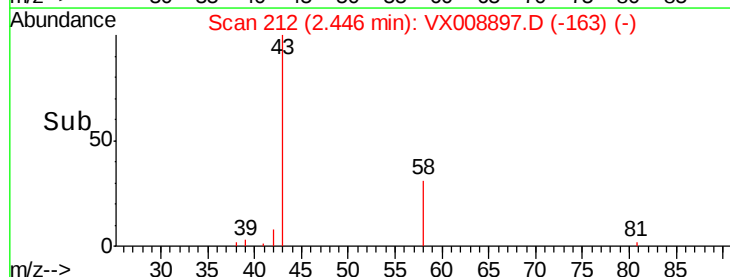
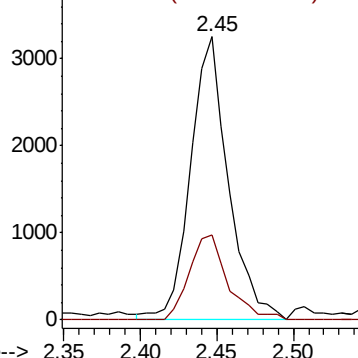
43 100

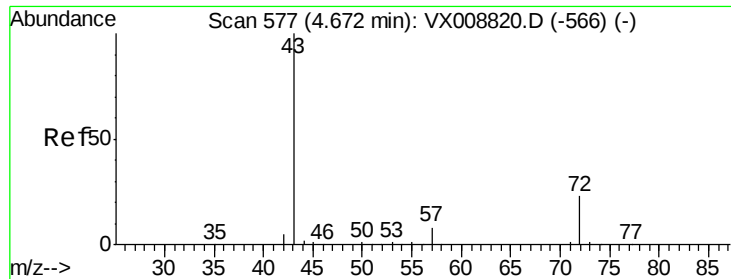
58 29.8 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.243 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.03 min

Lab File: VX008897.D

Acq: 12 Apr 2019 19:24

Instrument :

MSVOA_X

ClientSampled :

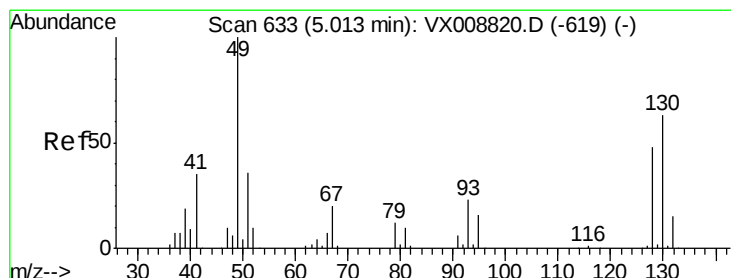
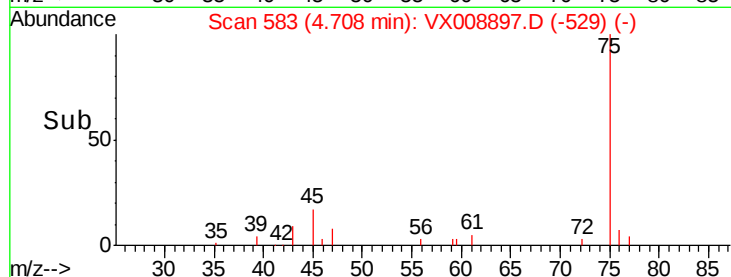
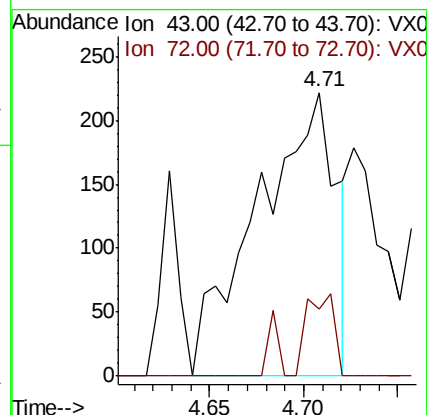
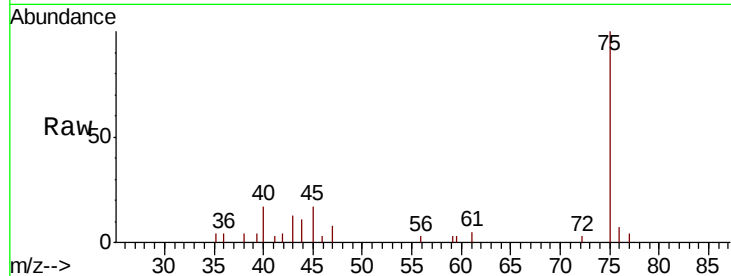
S8-0708

Tot Ion: 43 Resp: 642

Ion Ratio Lower Upper

43 100

72 23.4 18.2 27.4



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008897.D

Acq: 12 Apr 2019 19:24

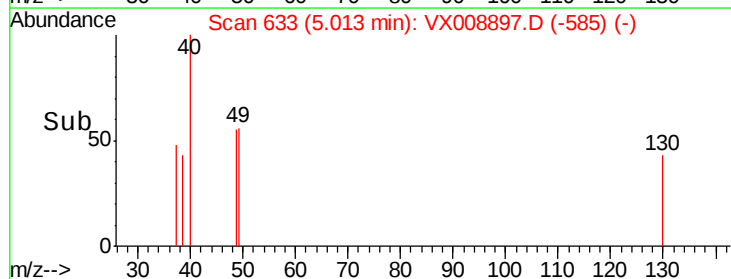
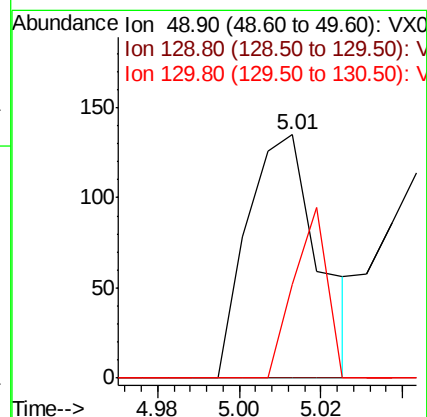
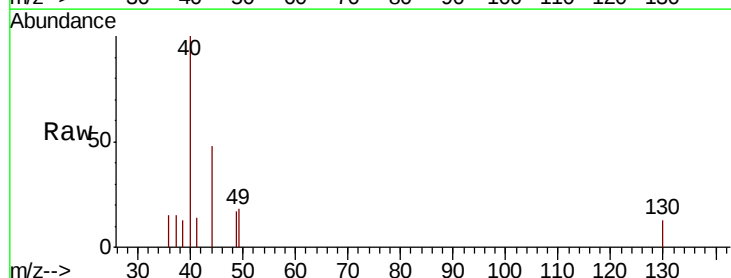
Tgt Ion: 49 Resp: 166

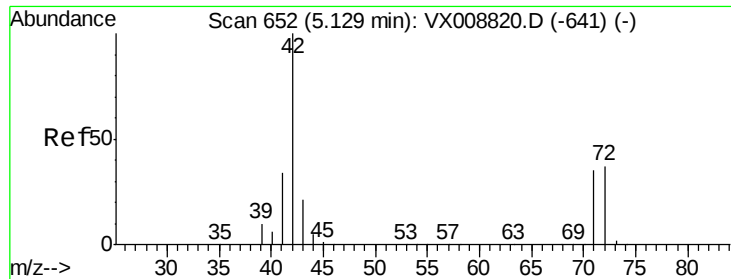
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 32.5 49.3 73.9#





#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.03 min

Lab File: VX008897.D

Acq: 12 Apr 2019 19:24

Instrument :

MSVOA_X

ClientSampled :

S8-0708

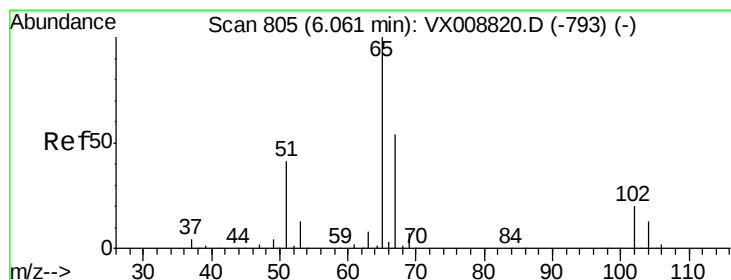
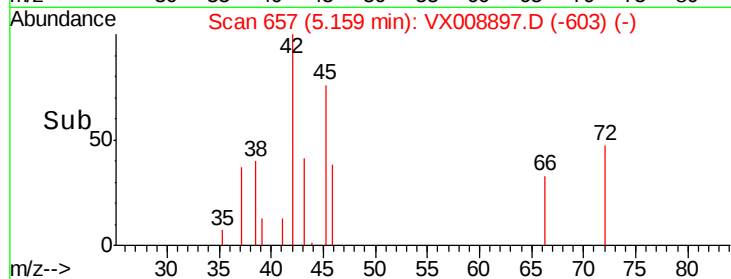
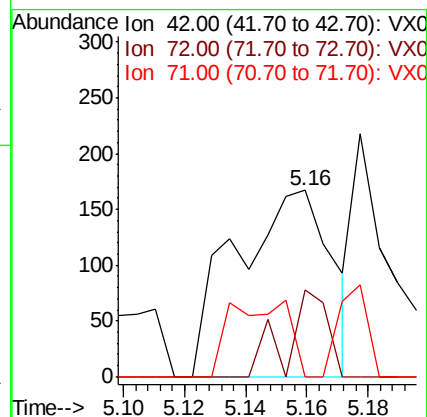
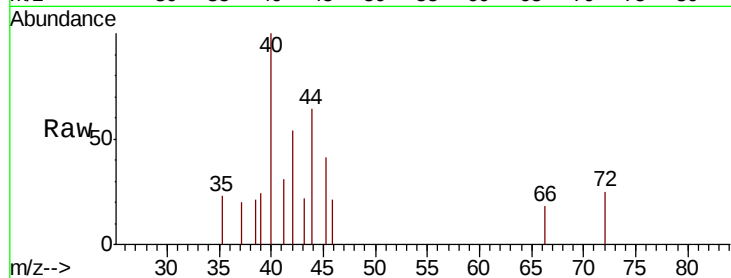
Tot Ion: 42 Resp: 365

Ion Ratio Lower Upper

42 100

72 19.7 30.5 45.7#

71 24.7 28.6 43.0#



#33

1,2-Dichloroethane-d4

Concen: 45.066 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008897.D

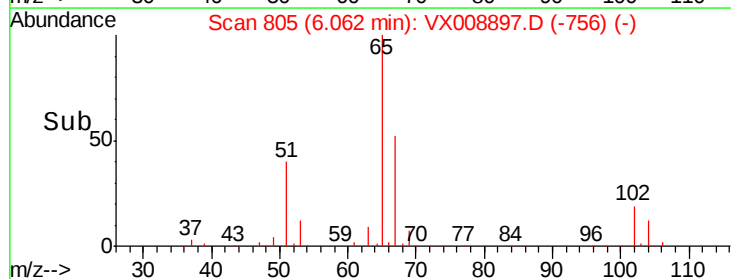
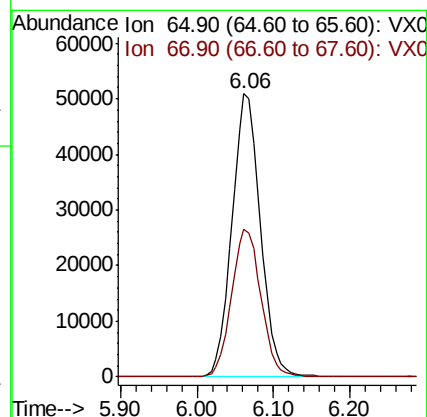
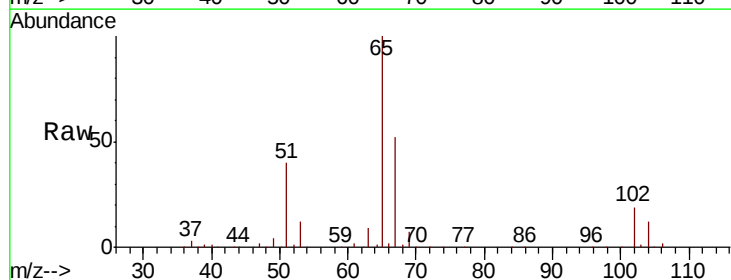
Acq: 12 Apr 2019 19:24

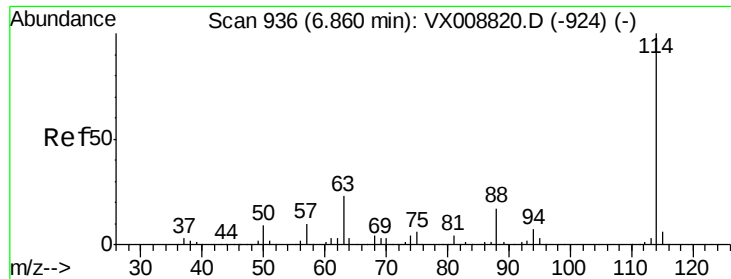
Tgt Ion: 65 Resp: 130952

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.2

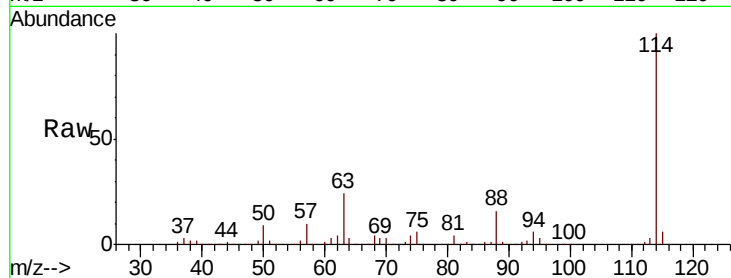




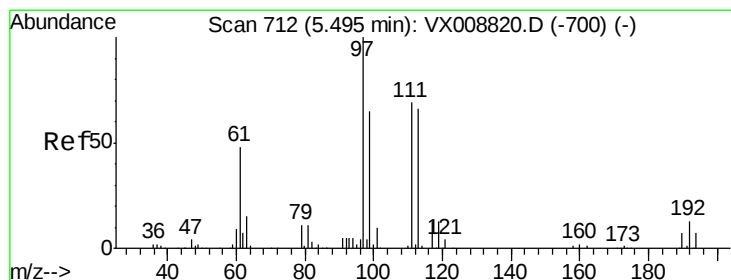
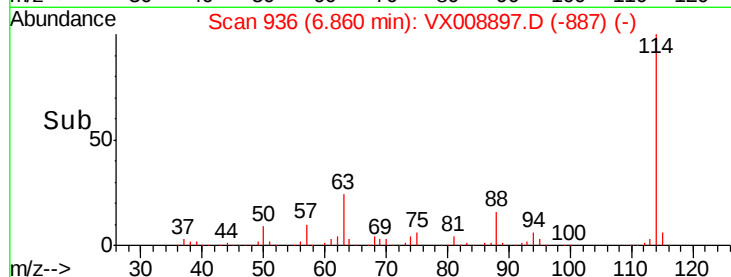
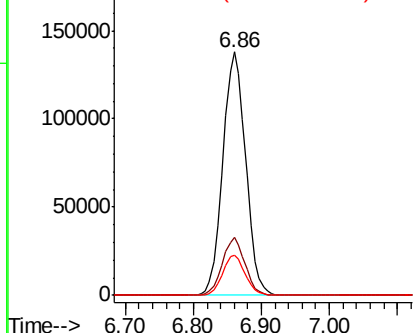
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008897.D
 Acq: 12 Apr 2019 19:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0708

Tot Ion:114 Resp: 321043
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 47.2
 88 16.3 0.0 34.0

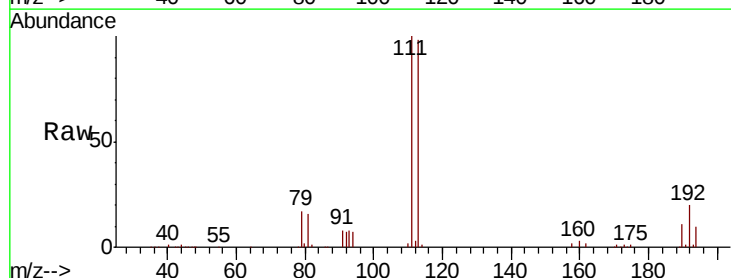


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

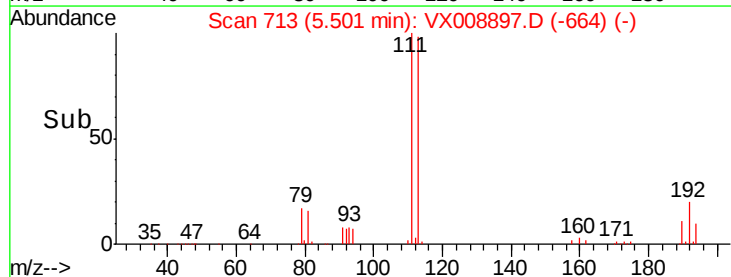
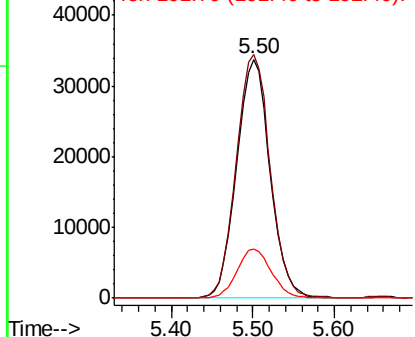


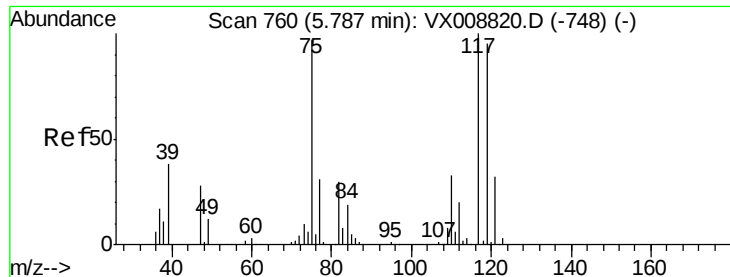
#35
 Dibromofluoromethane
 Concen: 46.730 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008897.D
 Acq: 12 Apr 2019 19:24

Tgt Ion:113 Resp: 95920
 Ion Ratio Lower Upper
 113 100
 111 103.4 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





#38

Carbon Tetrachloride

Concen: 6.334 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008897.D

Acq: 12 Apr 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

S8-0708

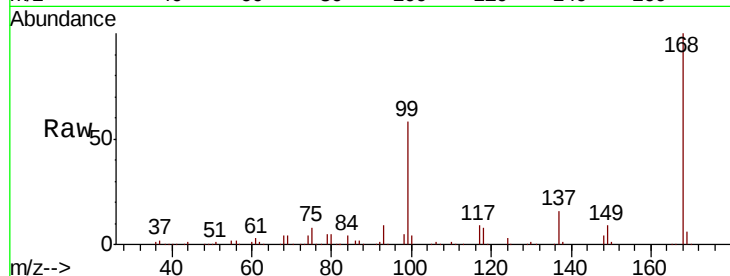
Tot Ion:117 Resp: 18398

Ion Ratio Lower Upper

117 100

119 5.3 75.0 112.6#

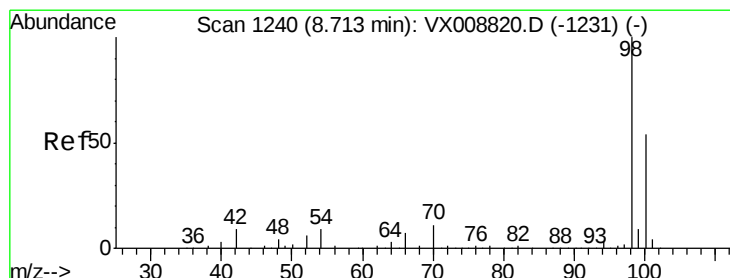
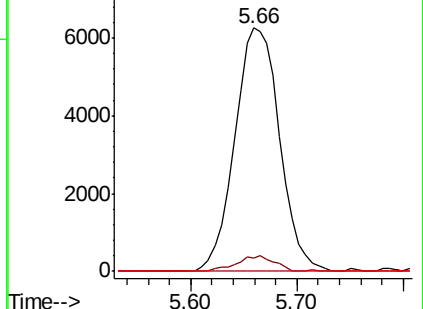
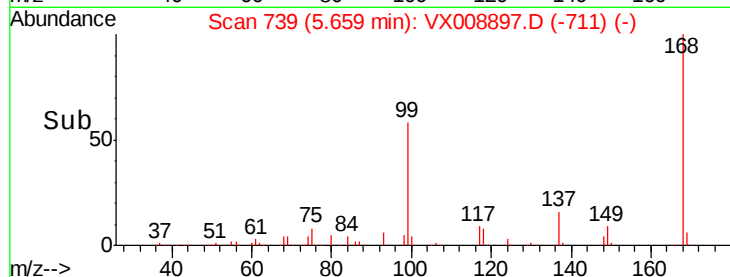
121 0.0 24.3 36.5#



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



#50

Toluene-d8

Concen: 48.590 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008897.D

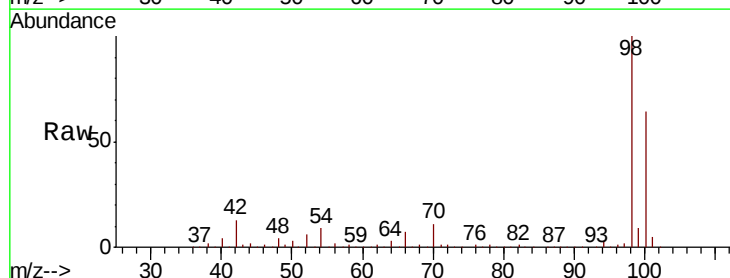
Acq: 12 Apr 2019 19:24

Tgt Ion: 98 Resp: 397128

Ion Ratio Lower Upper

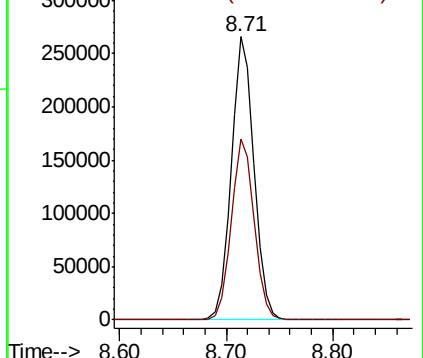
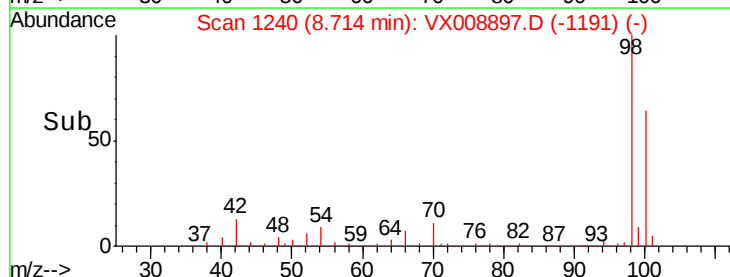
98 100

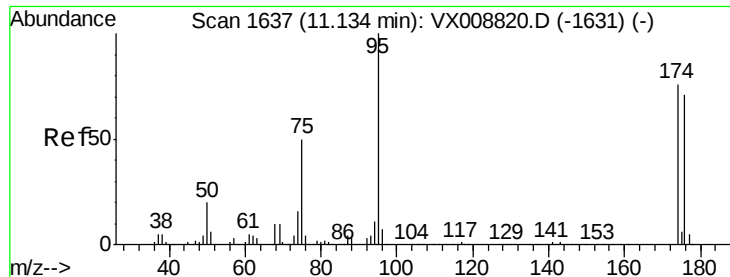
100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.758 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008897.D

Acq: 12 Apr 2019 19:24

Instrument :

MSVOA_X

ClientSampled :

S8-0708

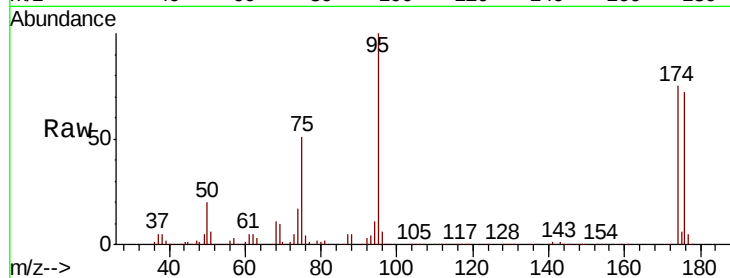
Tot Ion: 95 Resp: 129722

Ion Ratio Lower Upper

95 100

174 79.6 0.0 151.8

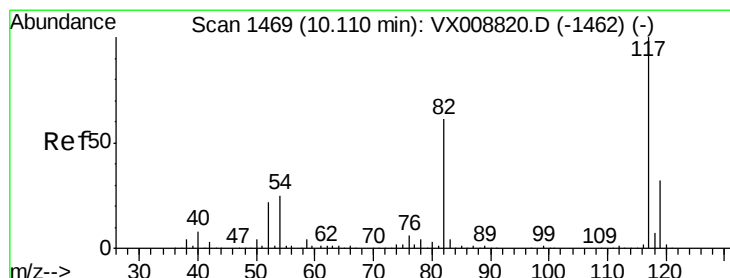
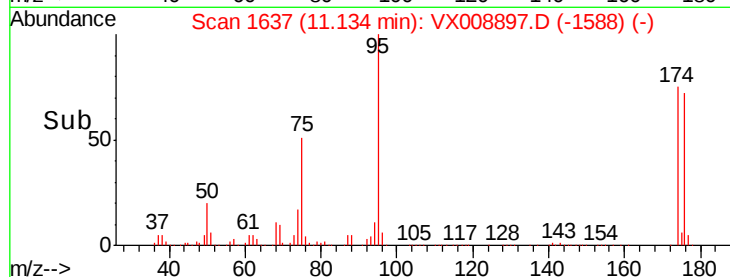
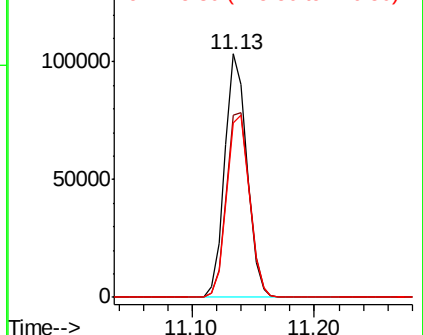
176 77.0 0.0 145.8



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: VX008897.D

Acq: 12 Apr 2019 19:24

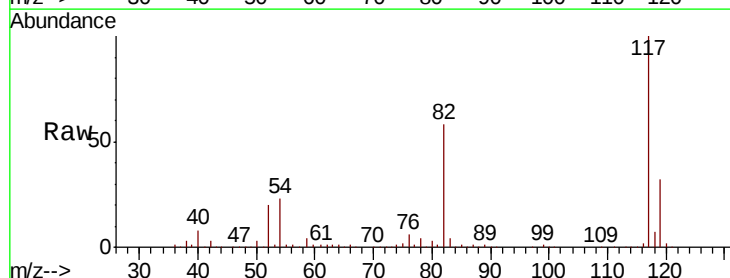
Tgt Ion: 117 Resp: 274727

Ion Ratio Lower Upper

117 100

82 58.2 49.6 74.4

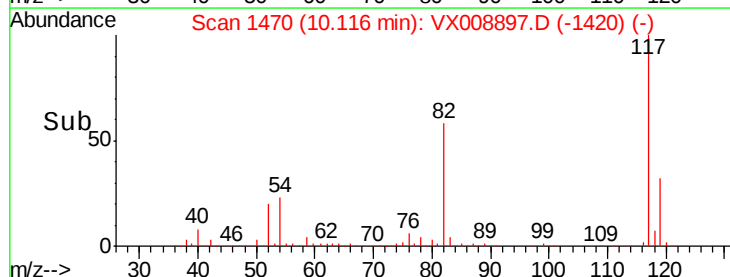
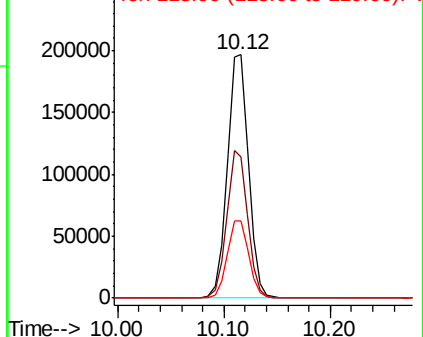
119 32.0 25.0 37.4

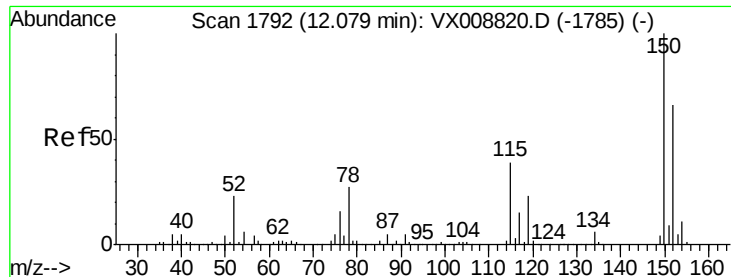


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008897.D

Acq: 12 Apr 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

S8-0708

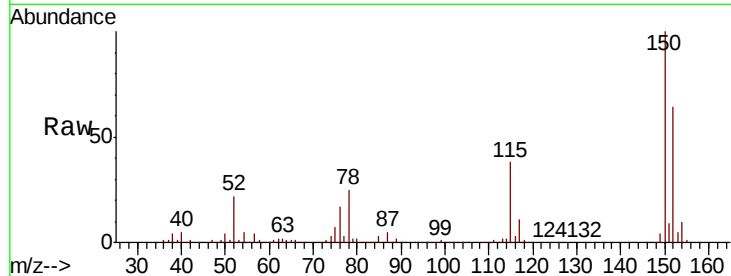
Tot Ion:152 Resp: 114668

Ion Ratio Lower Upper

152 100

115 59.9 43.5 130.5

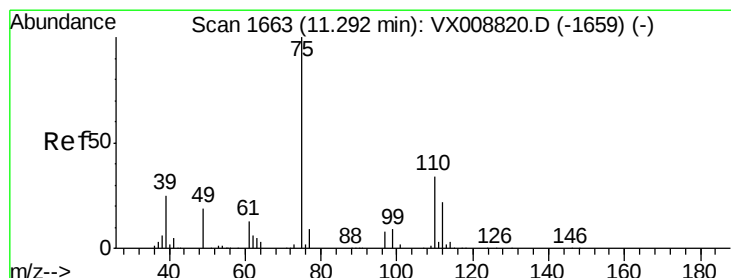
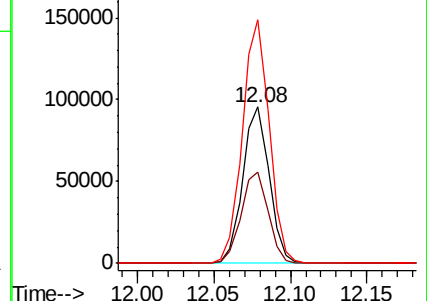
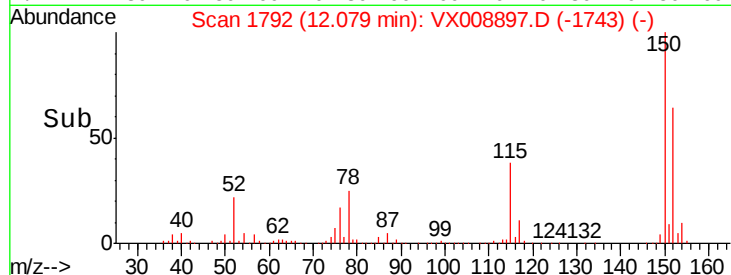
150 157.1 0.0 348.8



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: 20.987 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008897.D

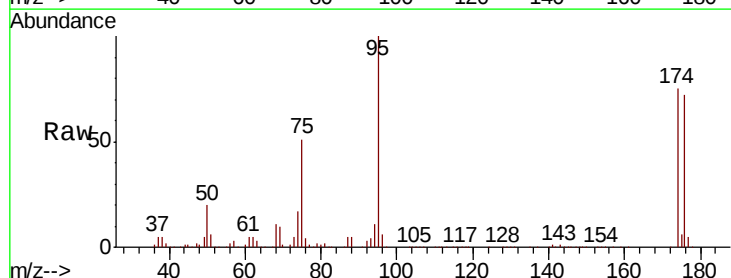
Acq: 12 Apr 2019 19:24

Tgt Ion: 75 Resp: 66109

Ion Ratio Lower Upper

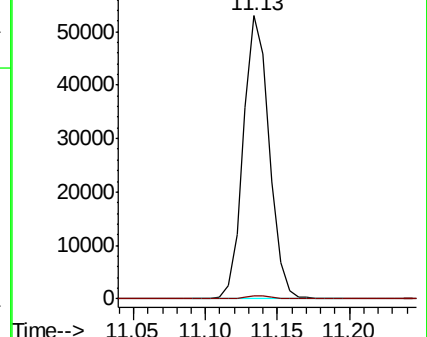
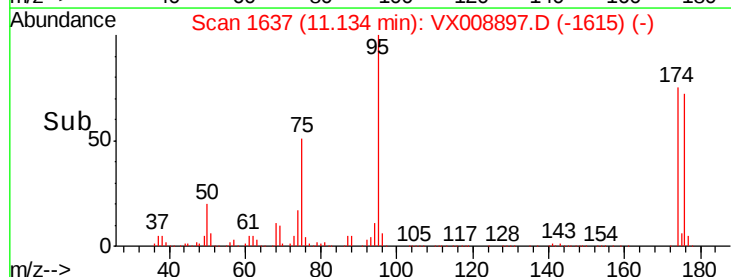
75 100

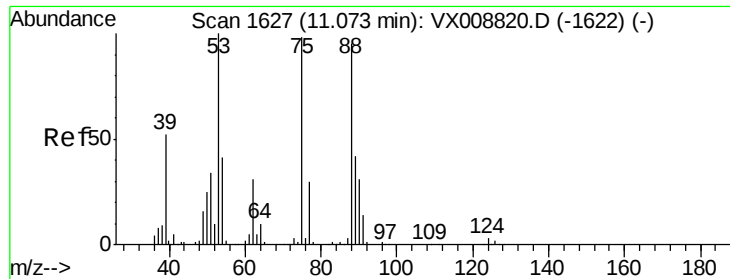
77 1.1 22.3 66.8#



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: 57.851 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008897.D

Acq: 12 Apr 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

S8-0708

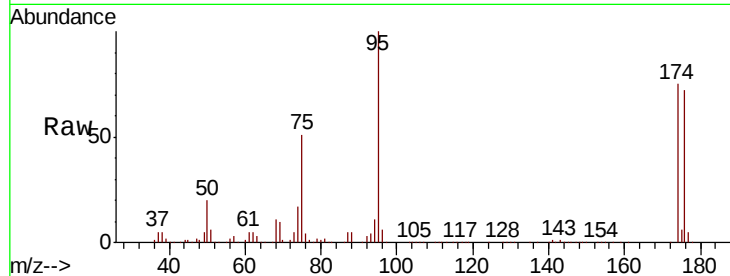
Tot Ion: 75 Resp: 66109

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

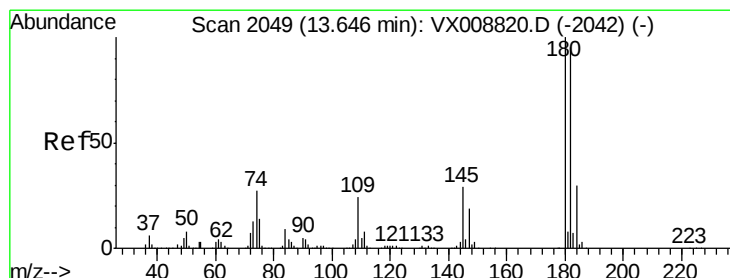
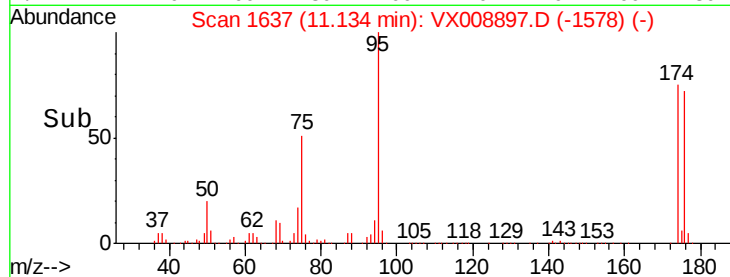
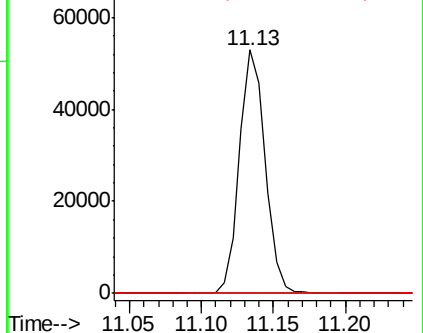
89 0.0 35.6 53.4#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.239 ug/l

RT: 13.64 min Scan# 2048

Delta R.T. -0.01 min

Lab File: VX008897.D

Acq: 12 Apr 2019 19:24

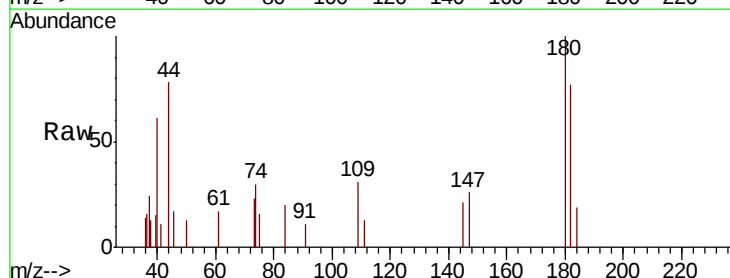
Tgt Ion:180 Resp: 674

Ion Ratio Lower Upper

180 100

182 105.5 47.2 141.6

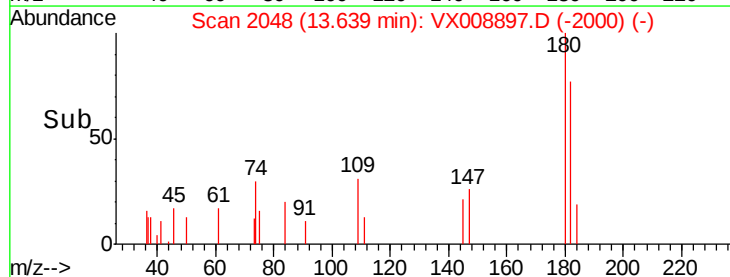
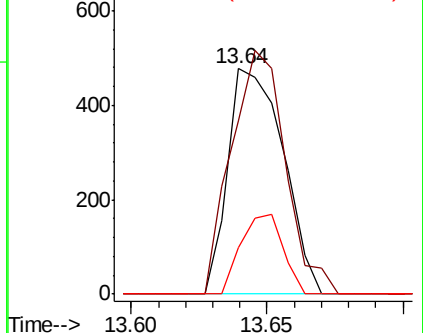
145 26.9 15.3 45.9

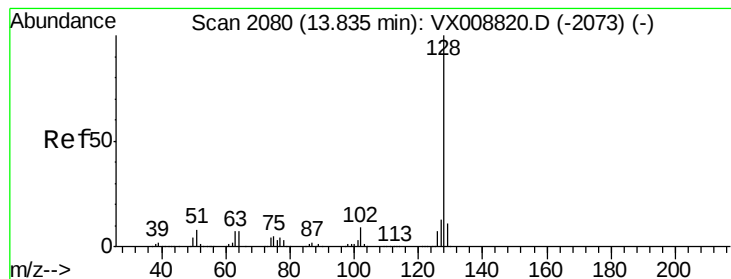


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 0.268 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008897.D

Acq: 12 Apr 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

S8-0708

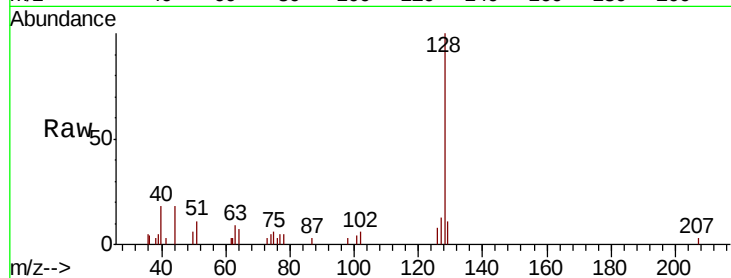
Tot Ion:128 Resp: 2526

Ion Ratio Lower Upper

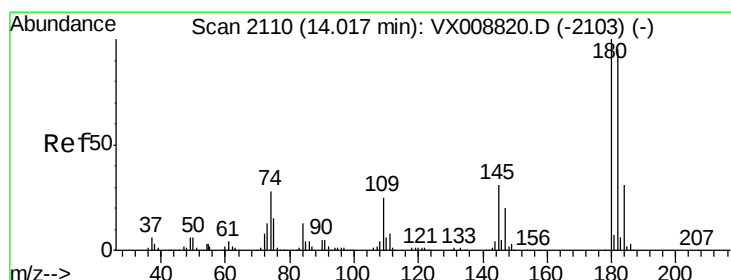
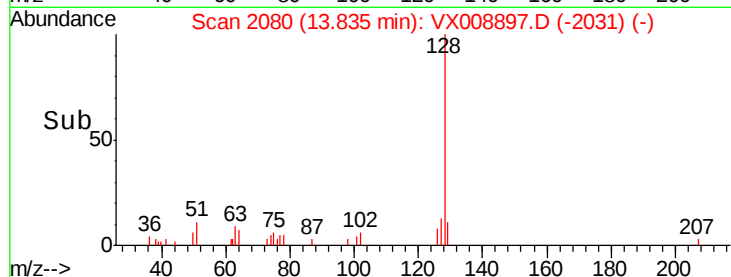
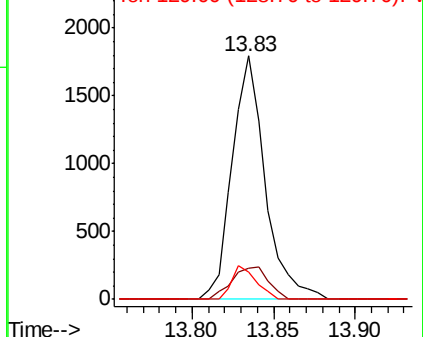
128 100

127 14.9 10.4 15.6

129 10.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.234 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008897.D

Acq: 12 Apr 2019 19:24

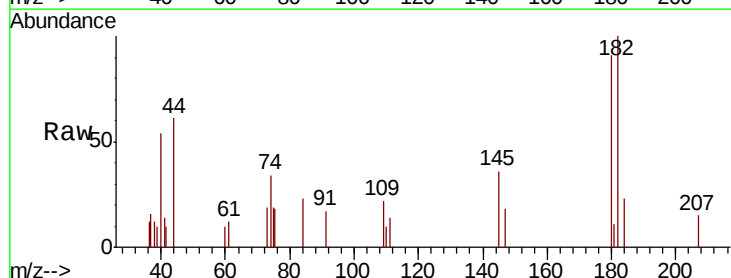
Tgt Ion:180 Resp: 661

Ion Ratio Lower Upper

180 100

182 94.6 48.1 144.3

145 38.0 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

