

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009958.D
 Acq On : 30 May 2019 14:17
 Operator : JC/SP
 Sample : K3094-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0655

Quant Time: May 31 05:34:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	176177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	286750	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	122839	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	5.50	113	88244	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	8.71	98	361560	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.13	95	120800	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	

Target Compounds

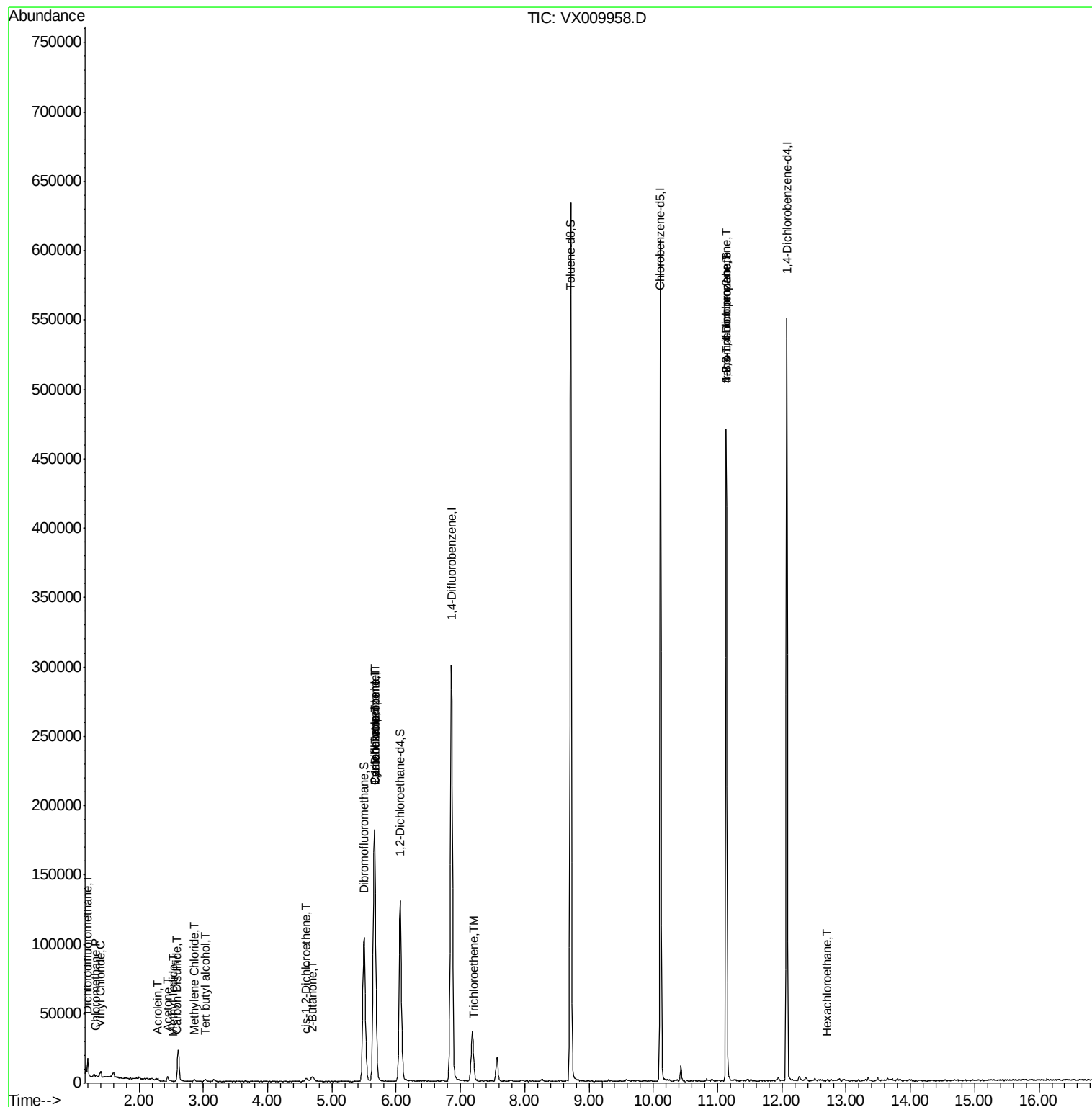
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	4075	1.893	ug/l	89
3) Chloromethane	1.32	50	610	0.211	ug/l #	76
4) Vinyl Chloride	1.41	62	1744	0.668	ug/l	100
10) Methyl Iodide	2.53	142	208	4.744	ug/l #	42
11) Tert butyl alcohol	3.03	59	1408	2.299	ug/l	99
13) Acrolein	2.29	56	127	21.365	ug/l #	15
16) Acetone	2.45	43	4255	2.959	ug/l	99
17) Carbon Disulfide	2.57	76	795	0.531	ug/l #	76
20) Methylene Chloride	2.85	84	469	0.213	ug/l #	89
25) 2-Butanone	4.70	43	869	0.388	ug/l #	54
27) cis-1,2-Dichloroethene	4.60	96	1230	0.537	ug/l	98
31) Cyclohexane	5.67	56	4528	1.196	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14551	5.001	ug/l #	46
38) Carbon Tetrachloride	5.66	117	17227	6.852	ug/l #	16
44) Trichloroethene	7.21	130	706	0.337	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	63432	24.273	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63432	60.055	ug/l #	10
90) Hexachloroethane	12.69	117	265	0.222	ug/l #	6

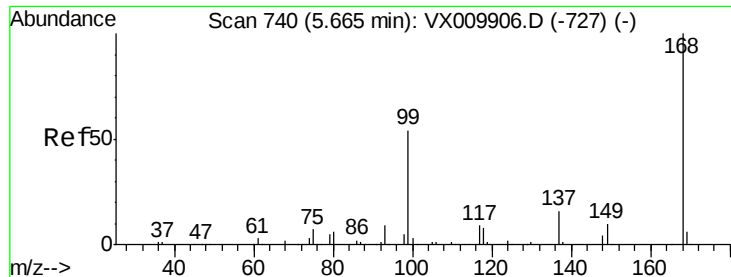
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX053019\
Data File : VX009958.D
Acq On : 30 May 2019 14:17
Operator : JC/SP
Sample : K3094-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S32-0655

Quant Time: May 31 05:34:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 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: VX009958.D

Acq: 30 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

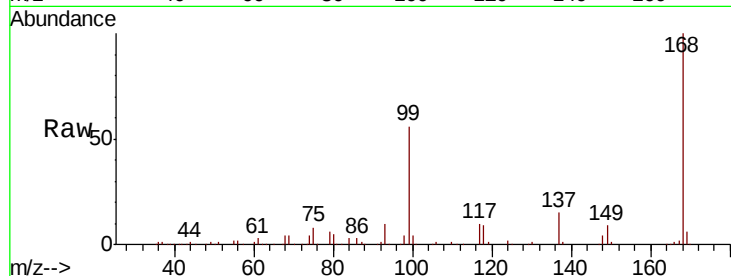
S32-0655

Tot Ion:168 Resp: 176177

Ion Ratio Lower Upper

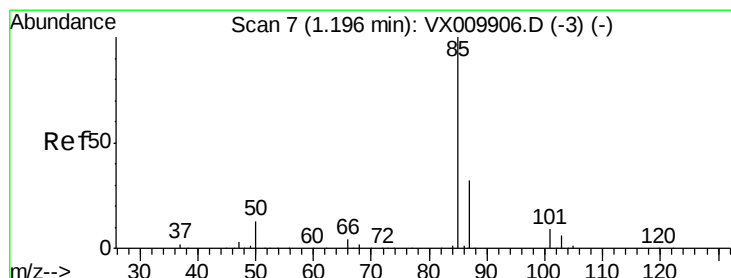
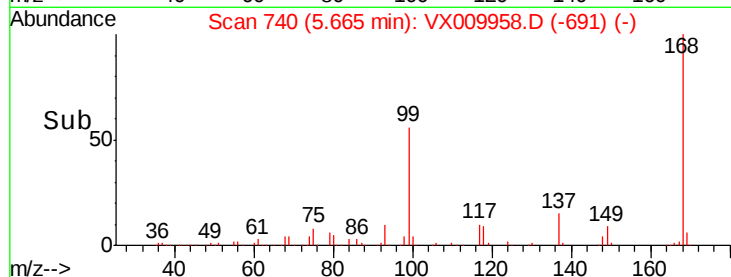
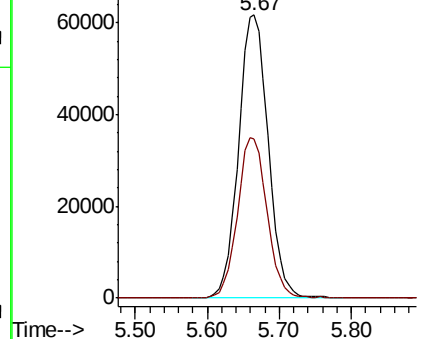
168 100

99 56.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.893 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009958.D

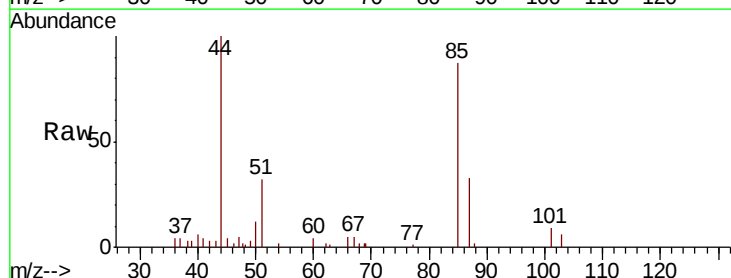
Acq: 30 May 2019 14:17

Tgt Ion: 85 Resp: 4075

Ion Ratio Lower Upper

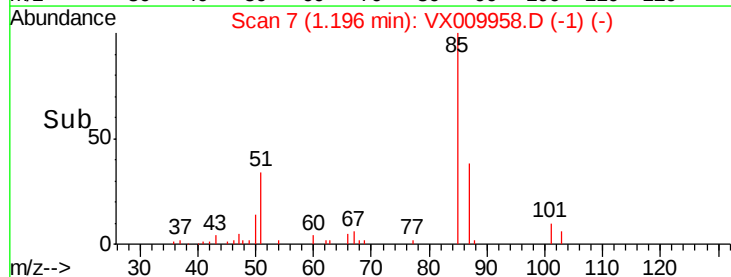
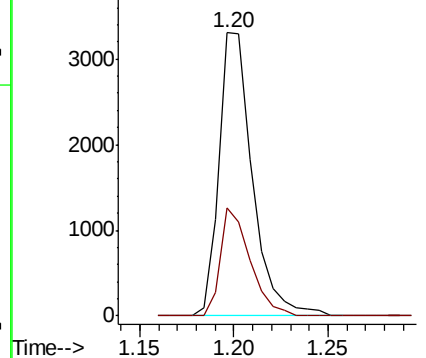
85 100

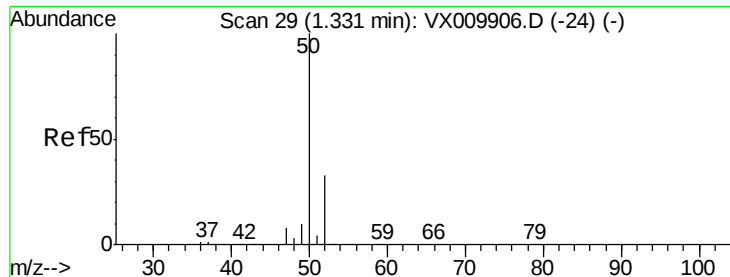
87 38.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.211 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009958.D

Acq: 30 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

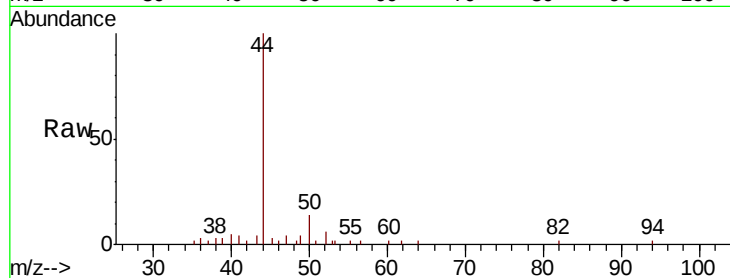
S32-0655

Tot Ion: 50 Resp: 610

Ion Ratio Lower Upper

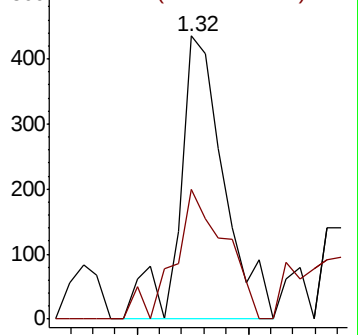
50 100

52 45.7 26.0 39.0#

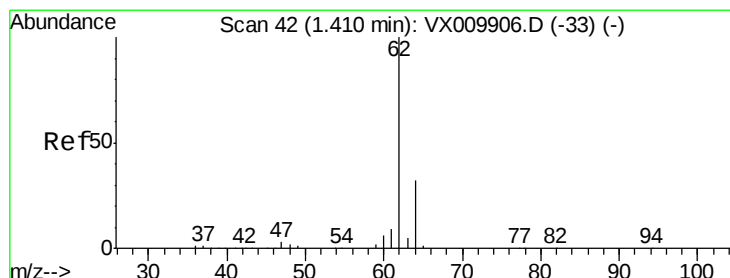
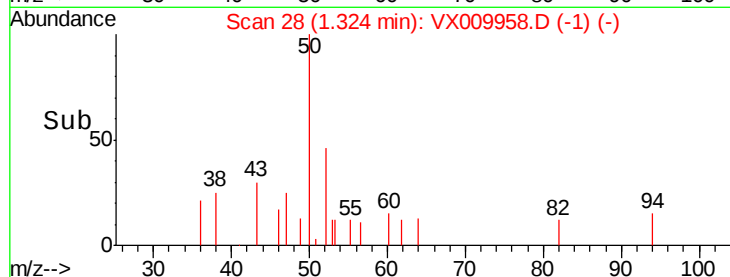


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 0.668 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009958.D

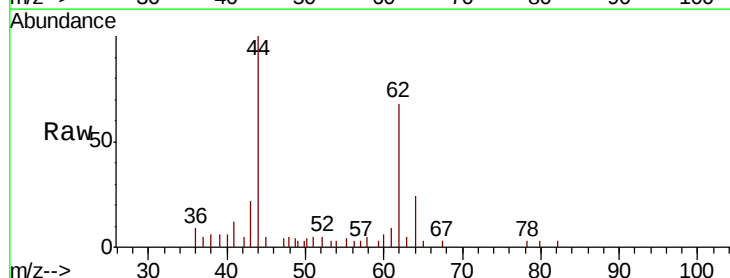
Acq: 30 May 2019 14:17

Tgt Ion: 62 Resp: 1744

Ion Ratio Lower Upper

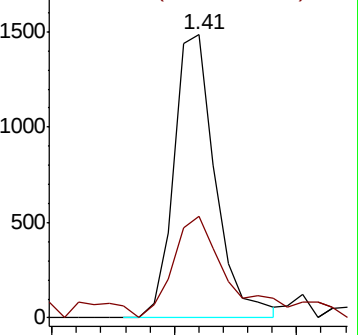
62 100

64 31.9 25.7 38.5

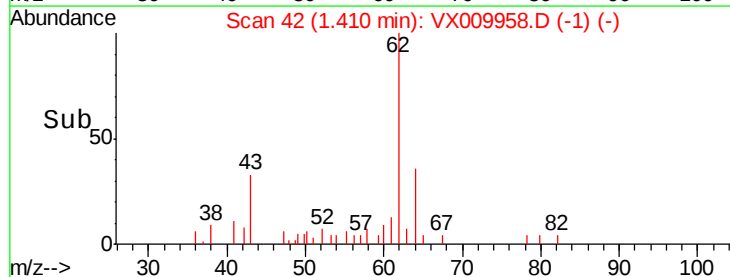


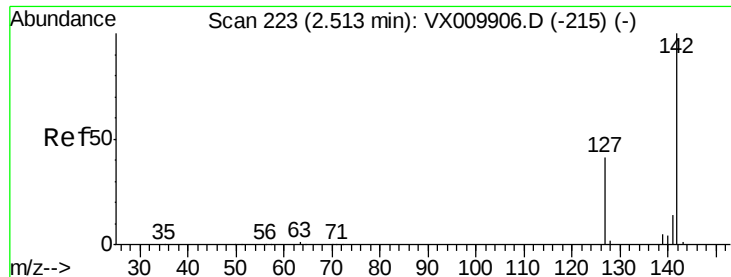
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->

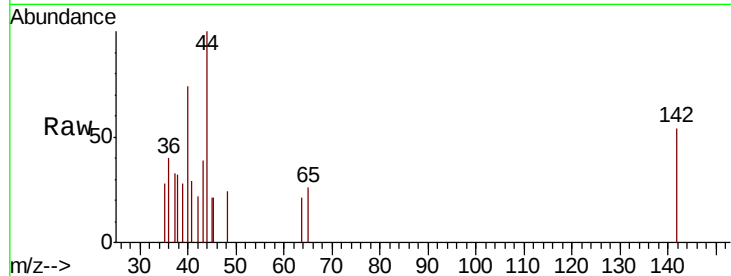




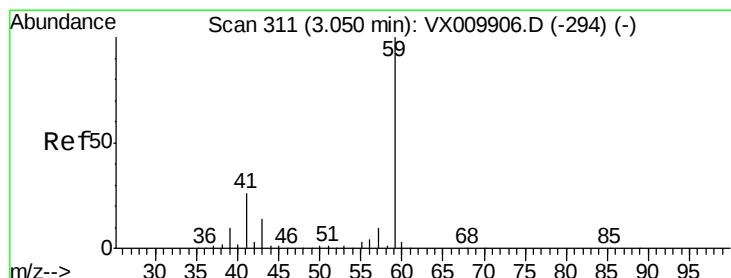
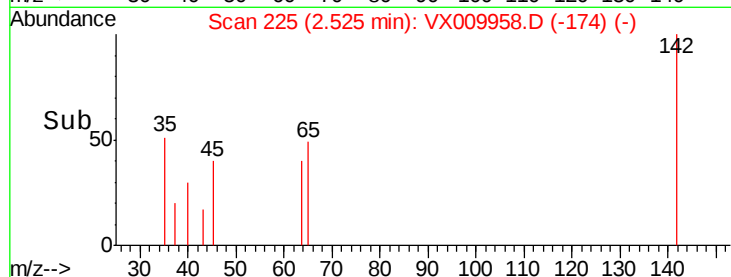
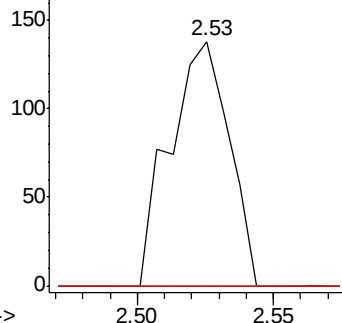
#10
Methyl Iodide
Concen: 4.744 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.01 min
Lab File: VX009958.D
Acq: 30 May 2019 14:17

Instrument :
MSVOA_X
ClientSampled :
S32-0655

Tot Ion:142 Resp: 208
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.4#
141 0.0 11.4 17.0#

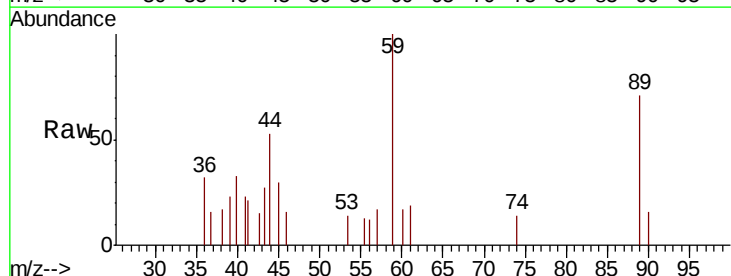


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

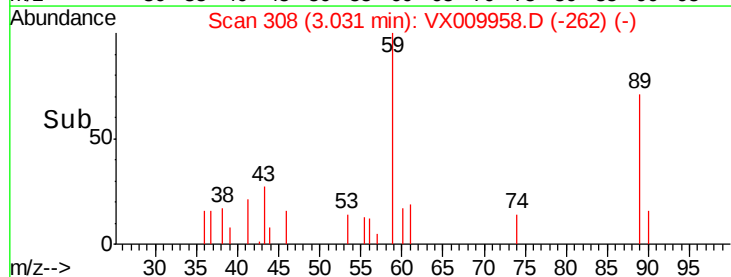
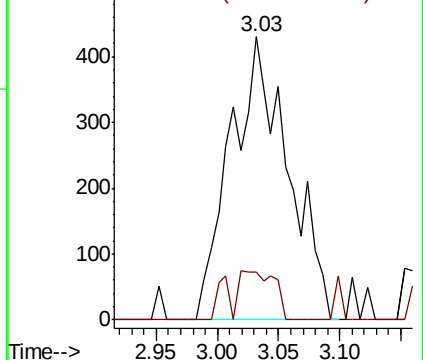


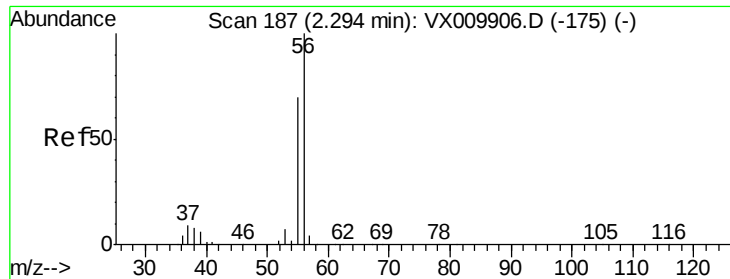
#11
Tert butyl alcohol
Concen: 2.299 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009958.D
Acq: 30 May 2019 14:17

Tgt Ion: 59 Resp: 1408
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 21.365 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009958.D

Acq: 30 May 2019 14:17

Instrument :

MSVOA_X

ClientSampled :

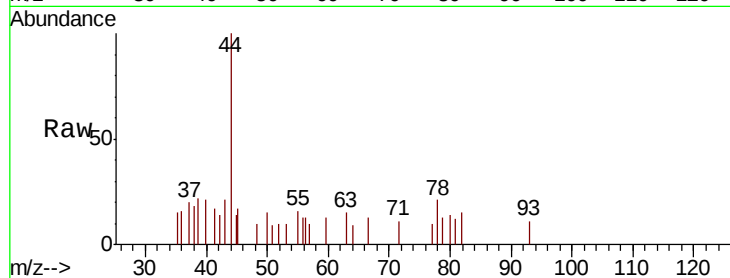
S32-0655

Tot Ion: 56 Resp: 127

Ion Ratio Lower Upper

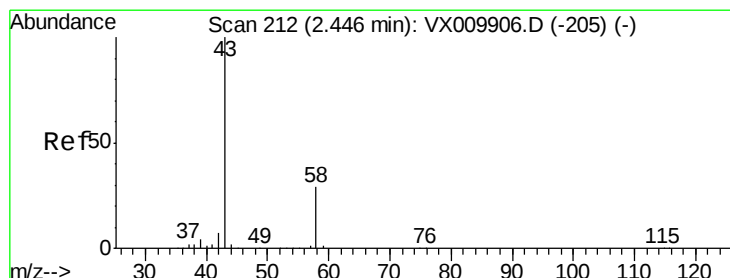
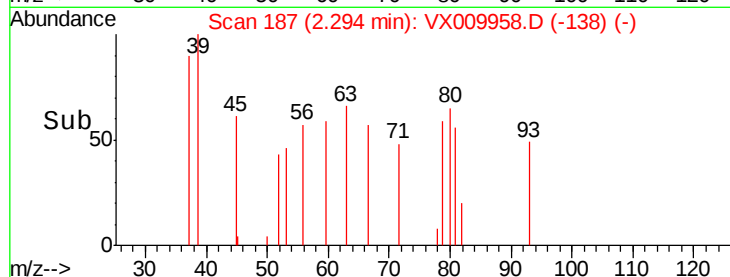
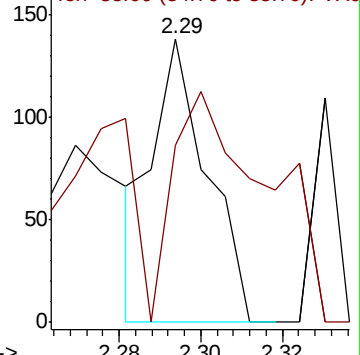
56 100

55 141.7 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.959 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009958.D

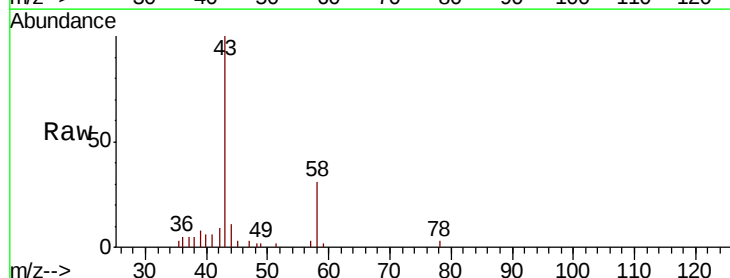
Acq: 30 May 2019 14:17

Tgt Ion: 43 Resp: 4255

Ion Ratio Lower Upper

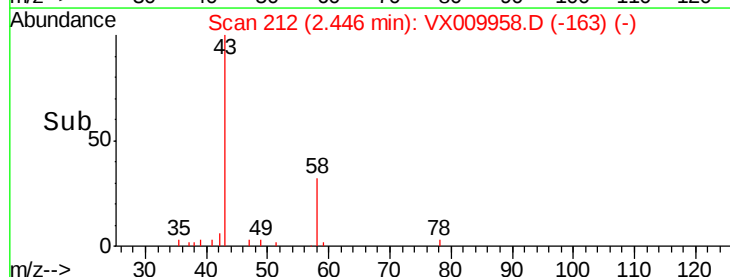
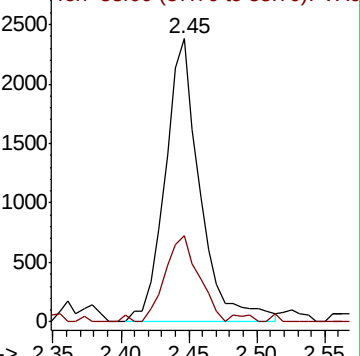
43 100

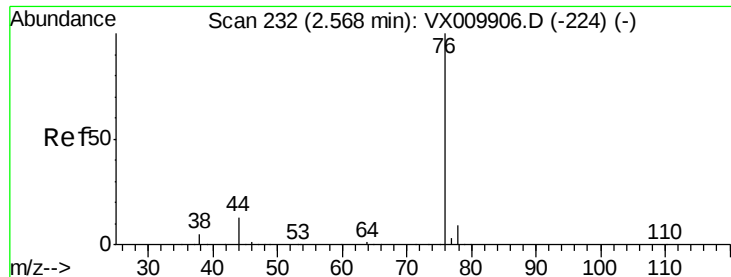
58 28.3 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.531 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009958.D

Acq: 30 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

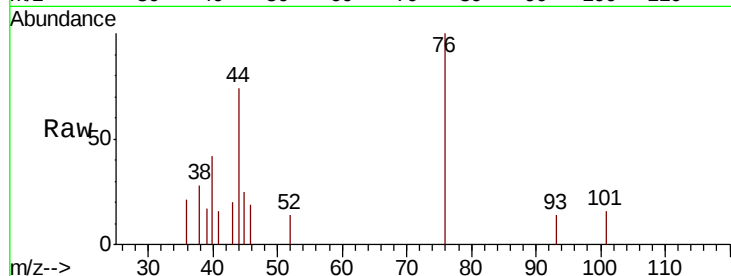
S32-0655

Tot Ion: 76 Resp: 795

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

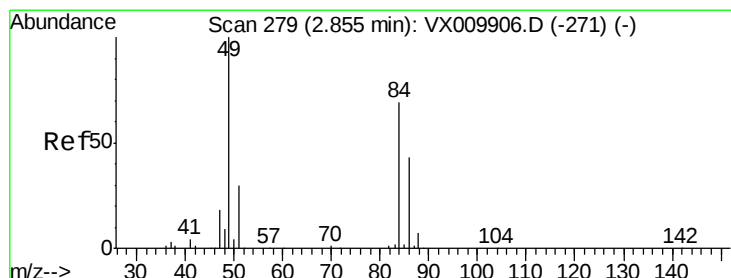
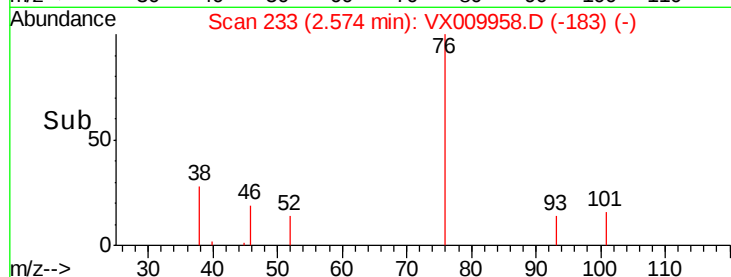
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.213 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009958.D

Acq: 30 May 2019 14:17

Tgt Ion: 84 Resp: 469

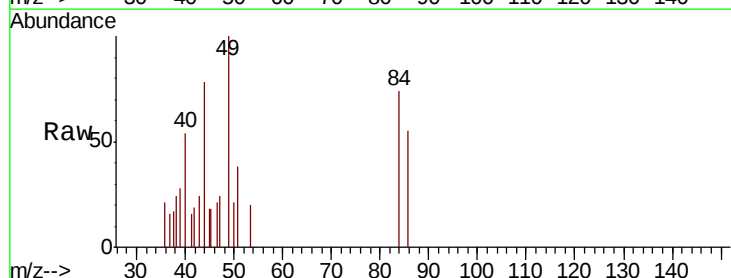
Ion Ratio Lower Upper

84 100

49 135.5 115.8 173.6

51 51.6 34.4 51.6#

86 74.7 49.7 74.5#



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

500

400

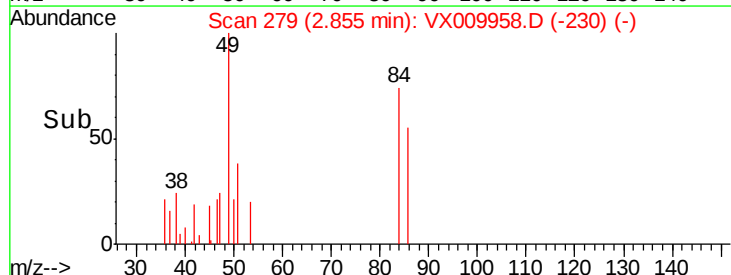
300

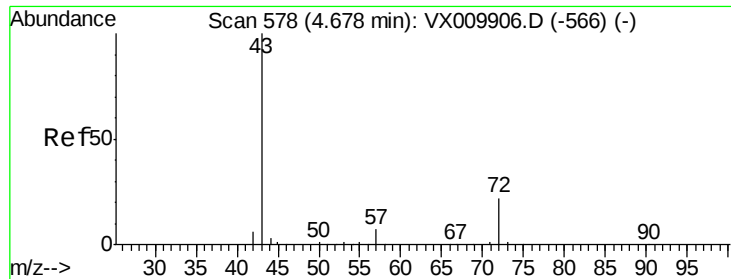
200

100

0

Time-->





#25

2-Butanone

Concen: 0.388 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009958.D

Acq: 30 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

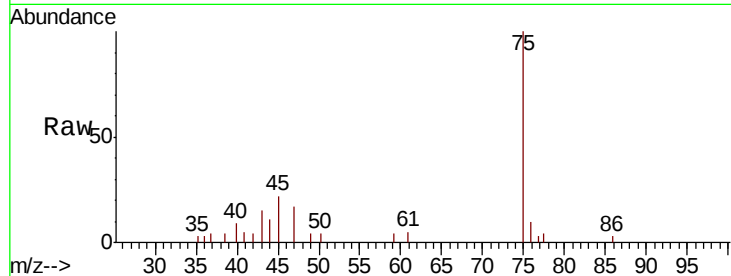
S32-0655

Tot Ion: 43 Resp: 869

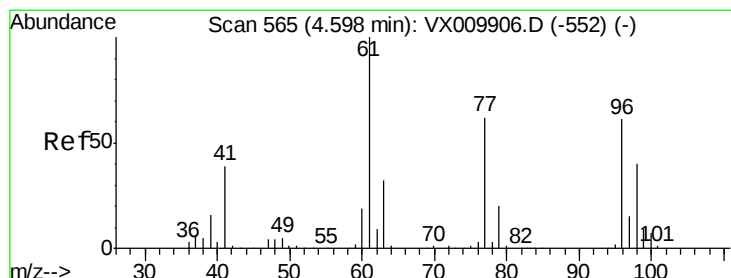
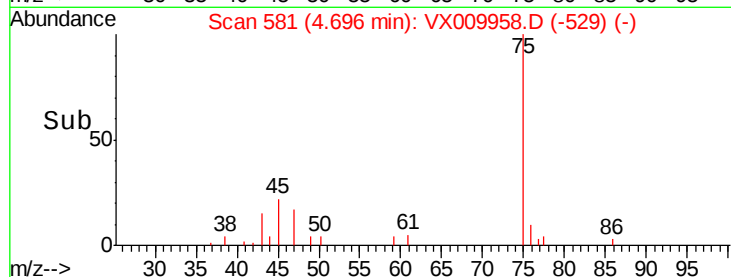
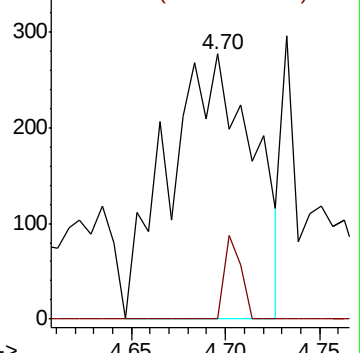
Ion Ratio Lower Upper

43 100

72 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.537 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX009958.D

Acq: 30 May 2019 14:17

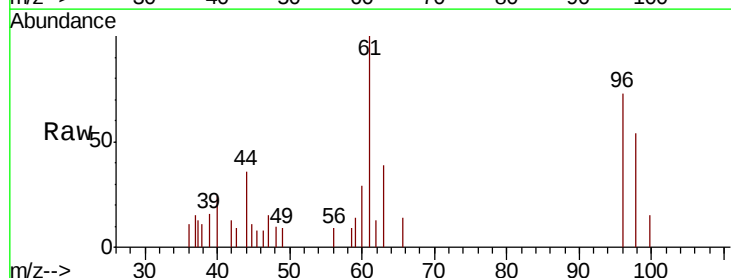
Tgt Ion: 96 Resp: 1230

Ion Ratio Lower Upper

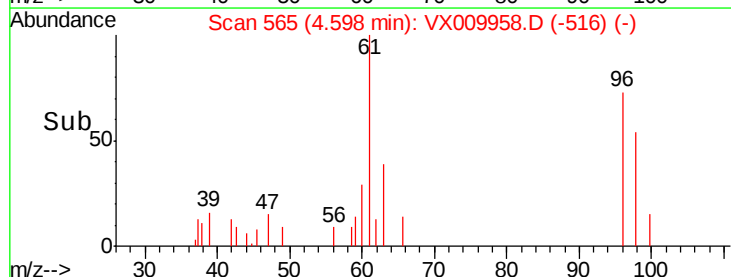
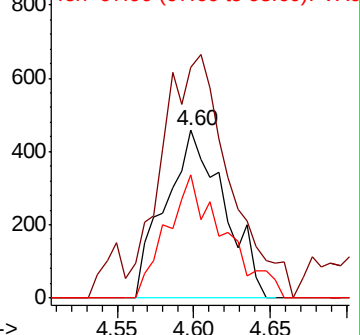
96 100

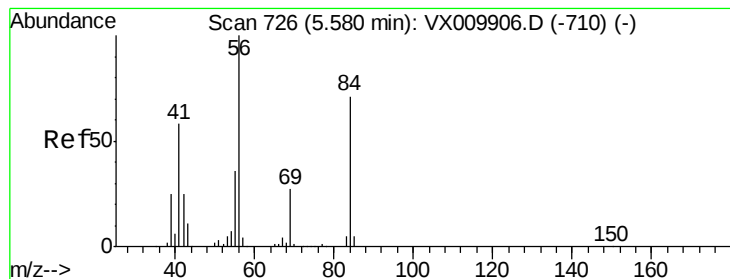
61 166.3 0.0 334.0

98 71.5 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VX0





#31

Cyclohexane

Concen: 1.196 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009958.D

Acq: 30 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

S32-0655

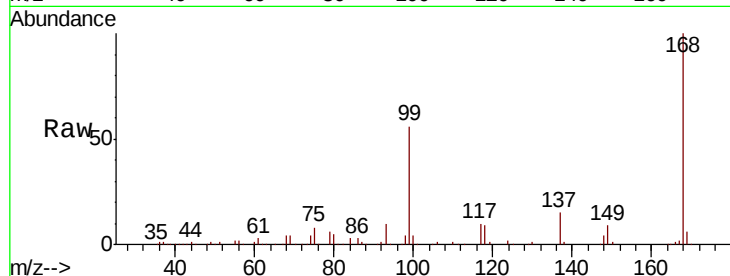
Tot Ion: 56 Resp: 4528

Ion Ratio Lower Upper

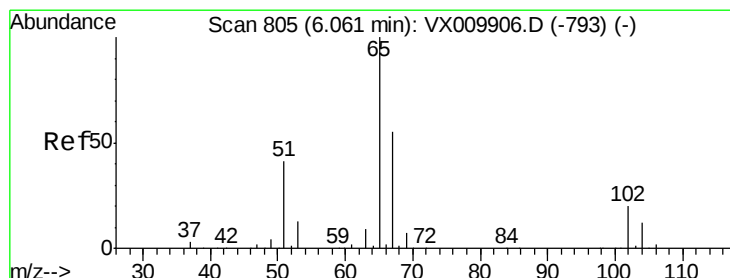
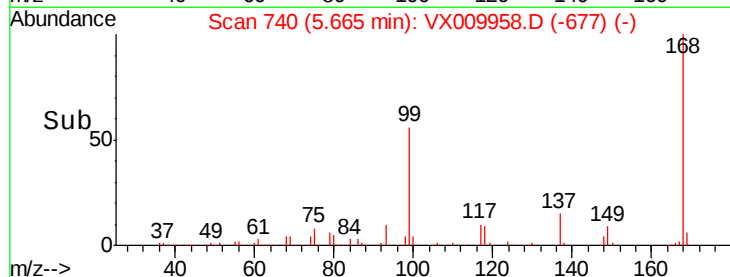
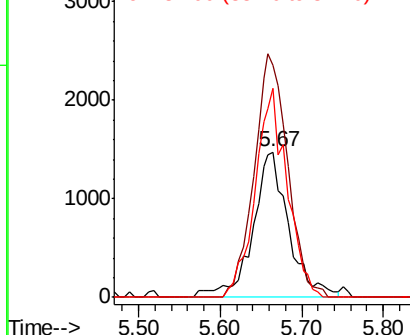
56 100

69 159.0 21.6 32.4#

84 143.5 56.8 85.2#



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: 49.360 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009958.D

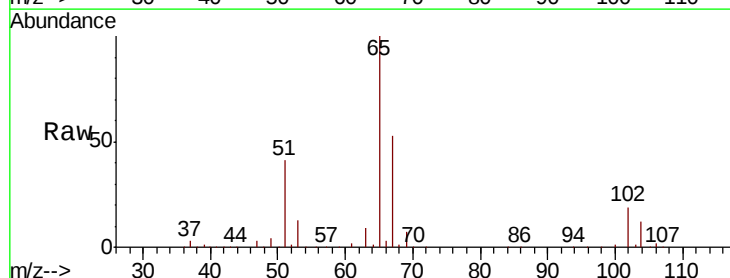
Acq: 30 May 2019 14:17

Tgt Ion: 65 Resp: 122839

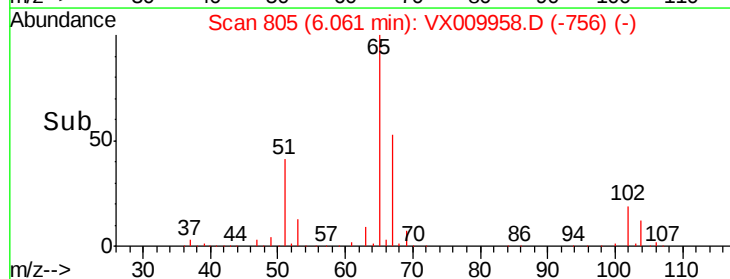
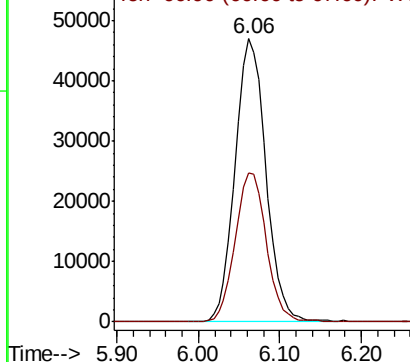
Ion Ratio Lower Upper

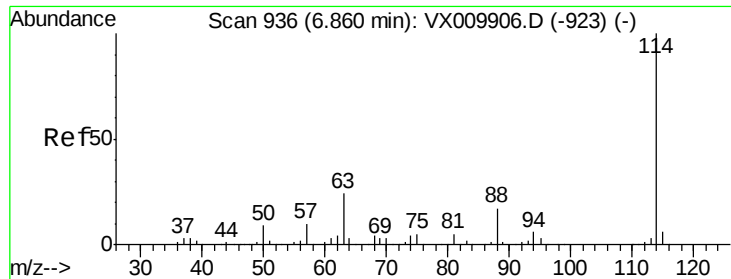
65 100

67 53.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

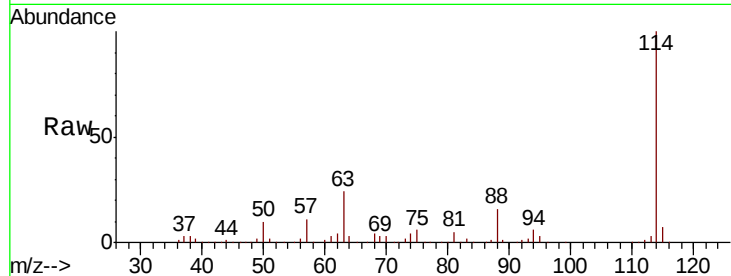




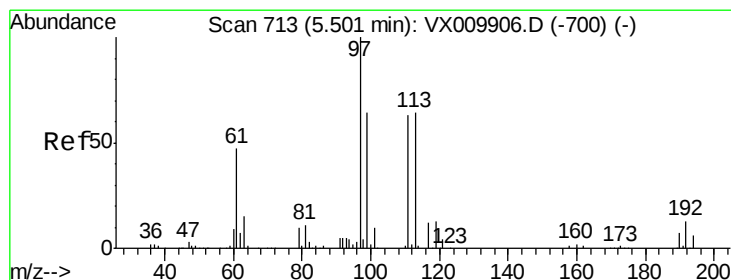
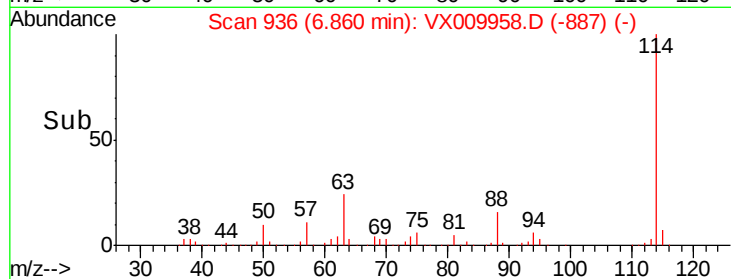
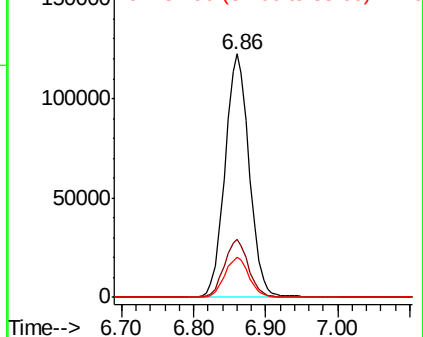
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX009958.D
Acq: 30 May 2019 14:17

Instrument :
MSVOA_X
ClientSampleId :
S32-0655

Tot Ion:114 Resp: 286750
Ion Ratio Lower Upper
114 100
63 23.9 0.0 47.4
88 16.5 0.0 33.0

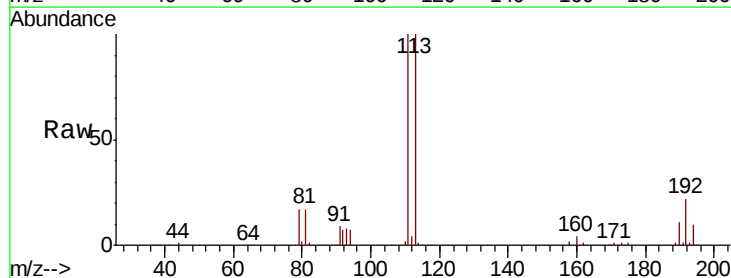


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

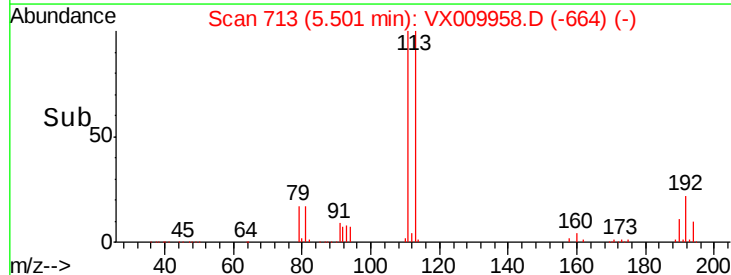
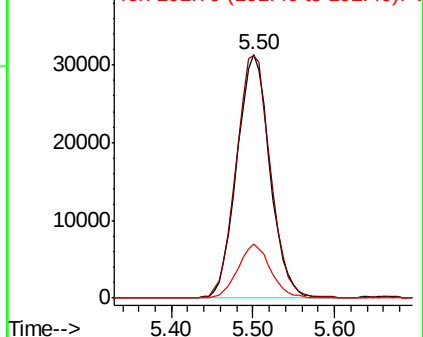


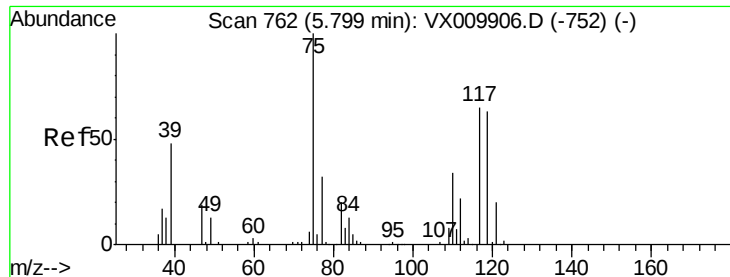
#35
Dibromofluoromethane
Concen: 48.948 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX009958.D
Acq: 30 May 2019 14:17

Tgt Ion:113 Resp: 88244
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 21.7 17.1 25.7



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

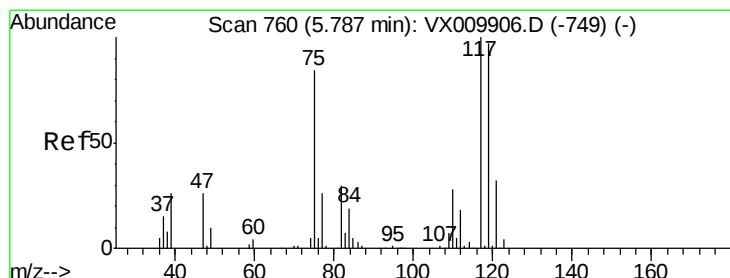
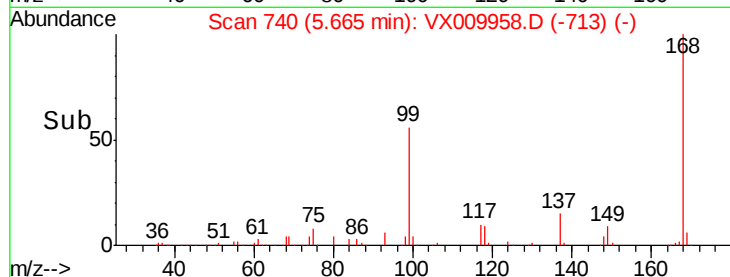
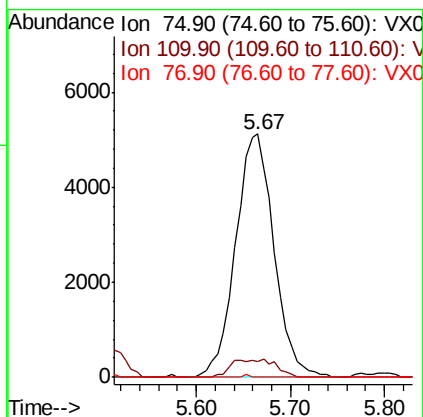
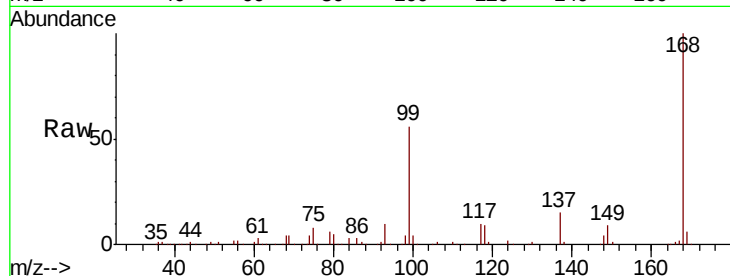




#36
 1,1-Dichloropropene
 Concen: 5.001 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009958.D
 Acq: 30 May 2019 14:17

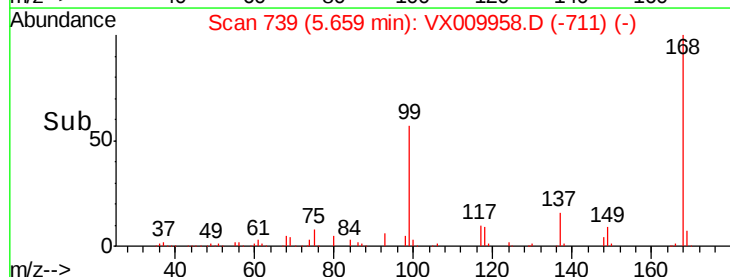
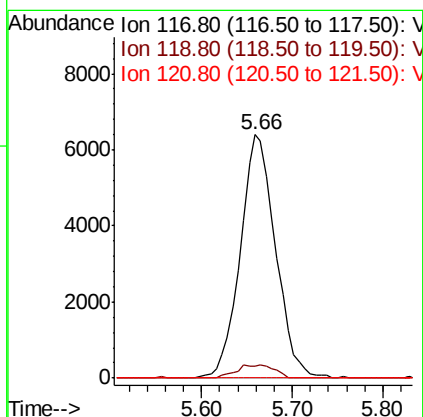
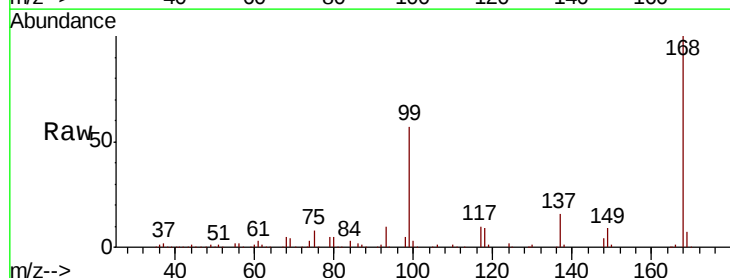
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0655

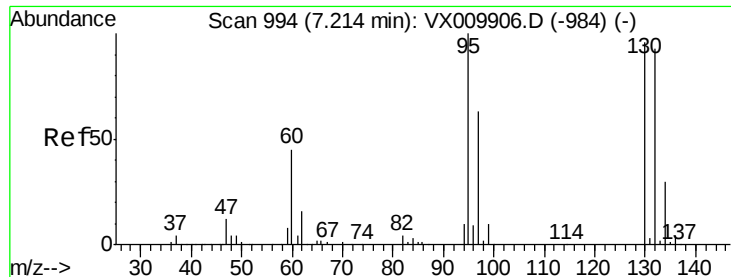
Tot Ion: 75 Resp: 14551
 Ion Ratio Lower Upper
 75 100
 110 3.5 16.7 50.1#
 77 0.1 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.852 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX009958.D
 Acq: 30 May 2019 14:17

Tgt Ion: 117 Resp: 17227
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.3 115.9#
 121 0.0 25.4 38.0#

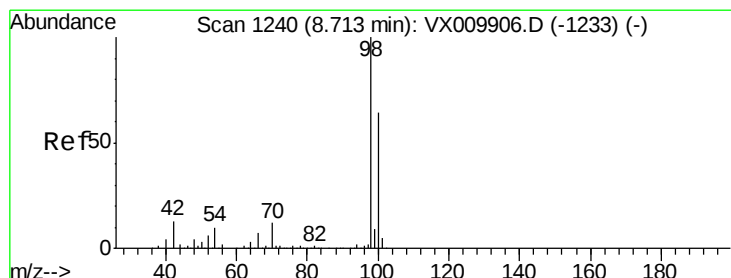
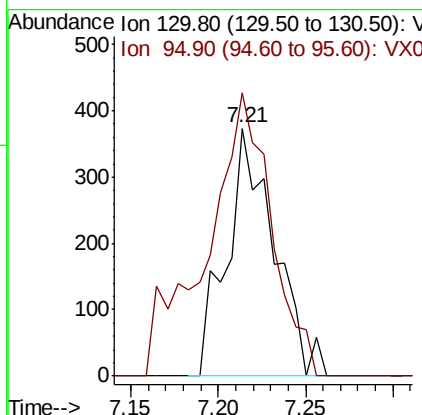
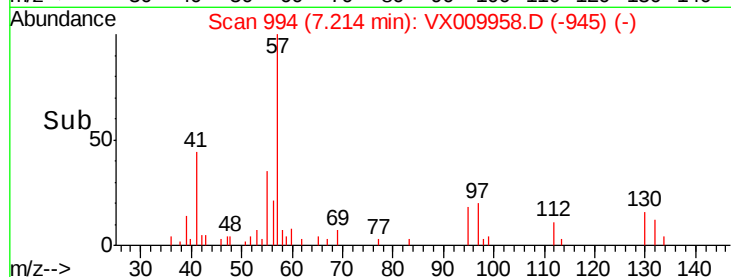
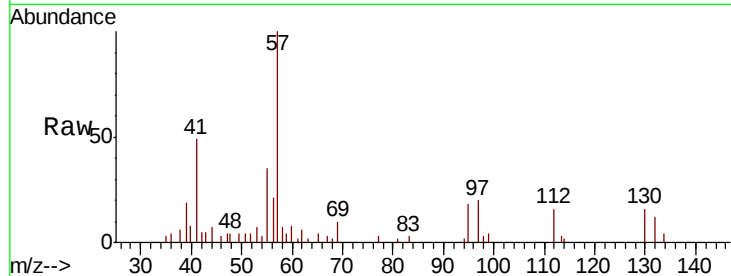




#44
 Trichloroethene
 Concen: 0.337 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009958.D
 Acq: 30 May 2019 14:17

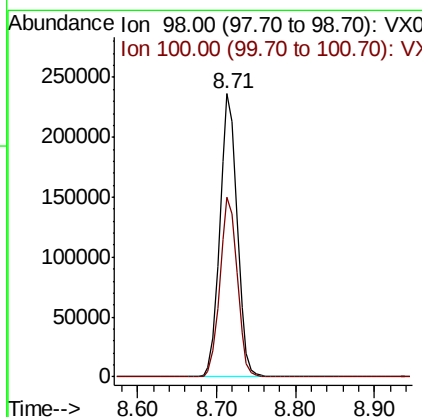
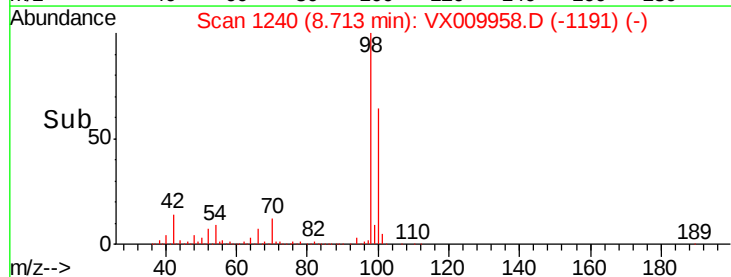
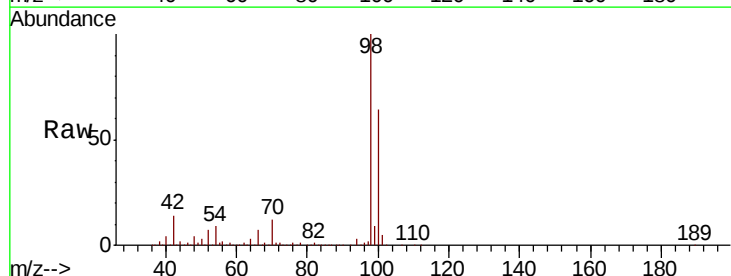
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0655

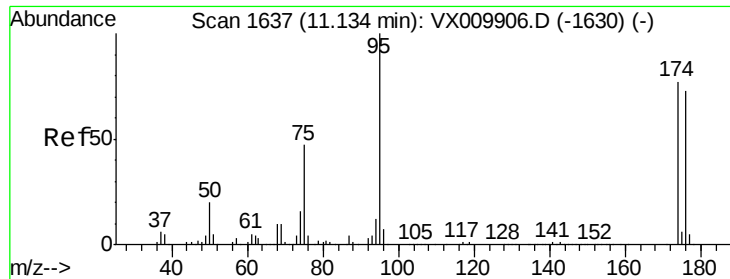
Tot Ion:130 Resp: 706
 Ion Ratio Lower Upper
 130 100
 95 114.2 0.0 207.4



#50
 Toluene-d8
 Concen: 49.388 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009958.D
 Acq: 30 May 2019 14:17

Tgt Ion: 98 Resp: 361560
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 45.940 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009958.D

Acq: 30 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

S32-0655

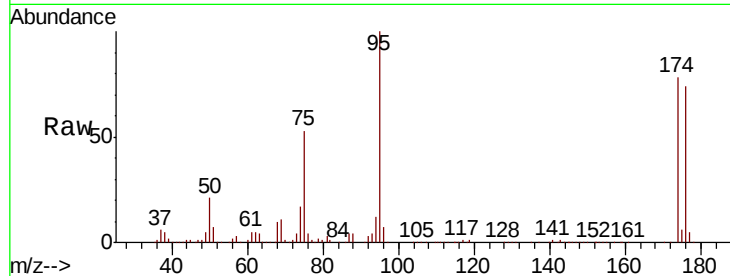
Tot Ion: 95 Resp: 120800

Ion Ratio Lower Upper

95 100

174 81.1 0.0 160.4

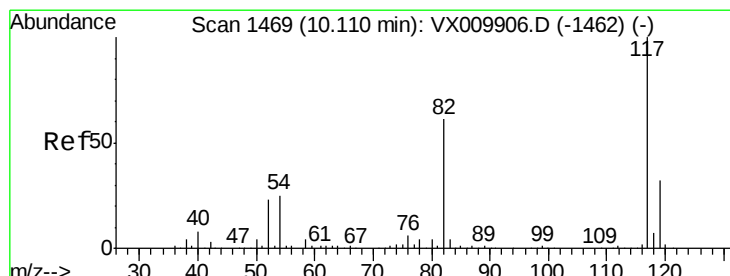
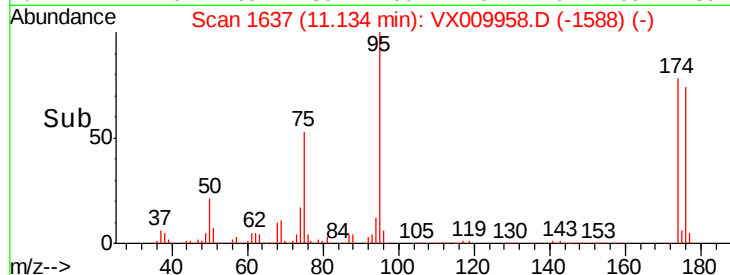
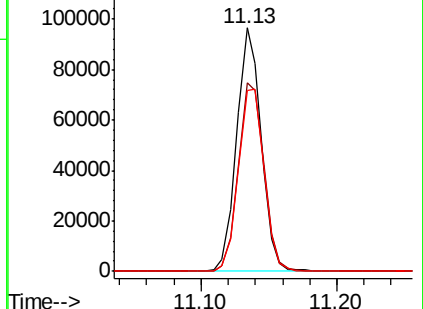
176 79.0 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX009906.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX009906.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX009906.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009958.D

Acq: 30 May 2019 14:17

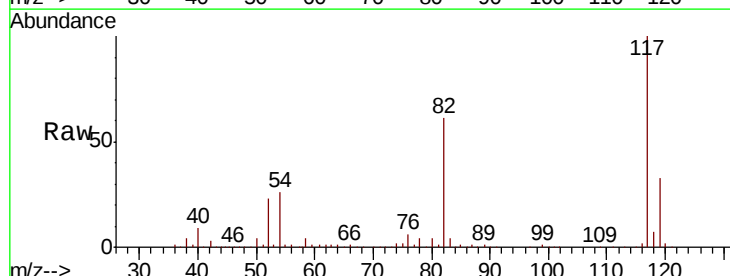
Tgt Ion: 117 Resp: 255573

Ion Ratio Lower Upper

117 100

82 61.1 49.2 73.8

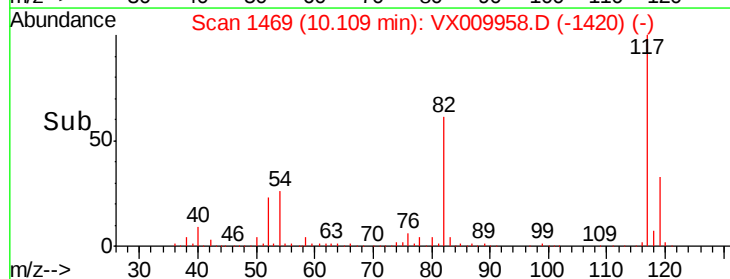
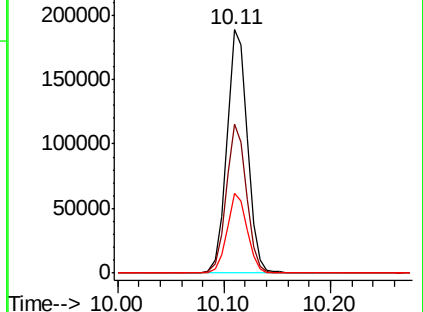
119 32.7 25.2 37.8

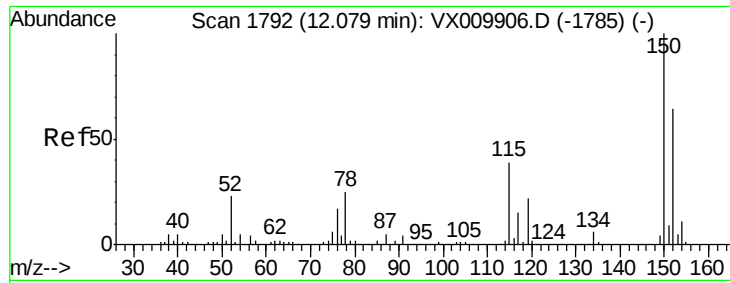


Abundance Ion 116.90 (116.60 to 117.60): VX009906.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX009906.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX009906.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009958.D

Acq: 30 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

S32-0655

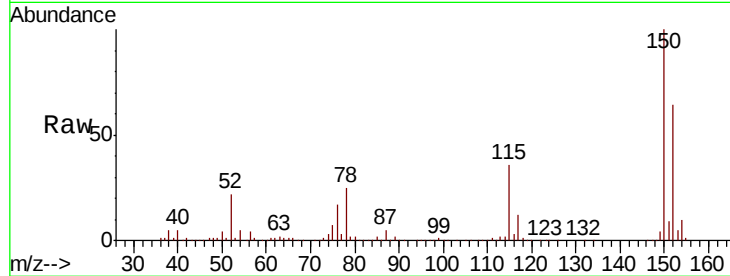
Tot Ion:152 Resp: 109283

Ion Ratio Lower Upper

152 100

115 58.6 41.4 124.2

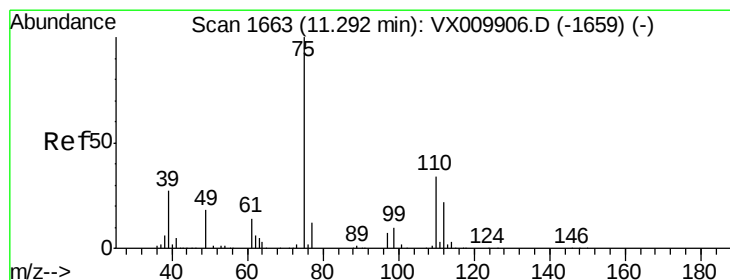
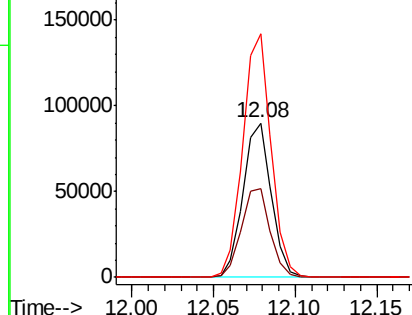
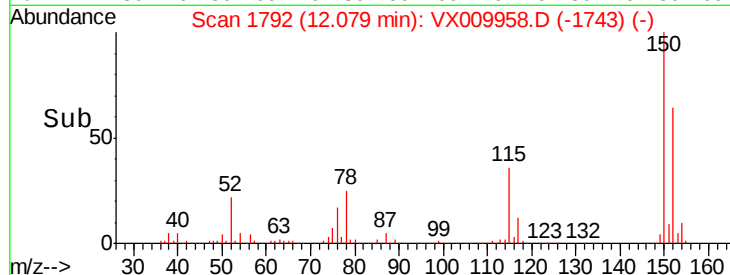
150 157.4 0.0 345.2



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: 24.273 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009958.D

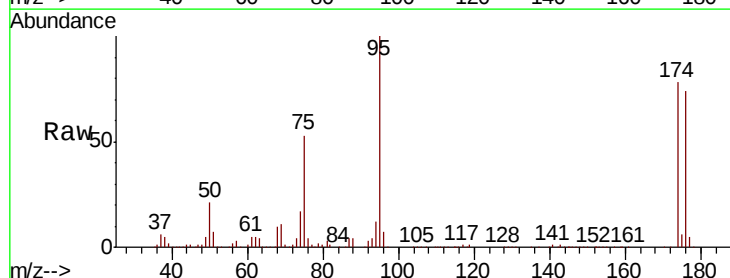
Acq: 30 May 2019 14:17

Tgt Ion: 75 Resp: 63432

Ion Ratio Lower Upper

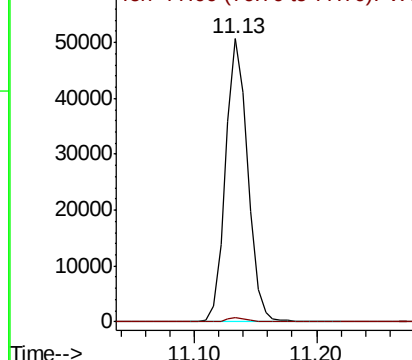
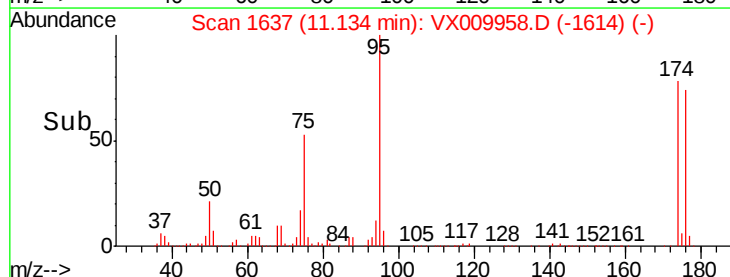
75 100

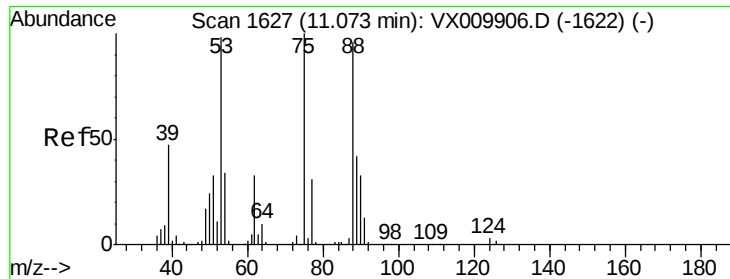
77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.055 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009958.D

Acq: 30 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

S32-0655

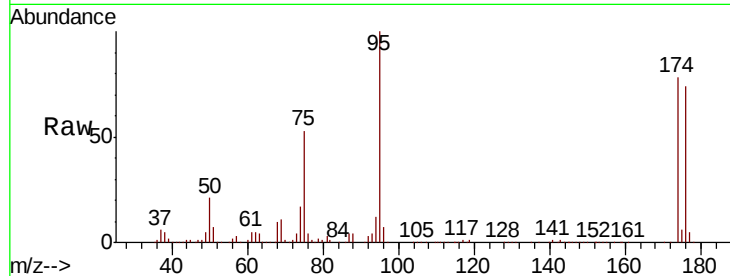
Tot Ion: 75 Resp: 63432

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

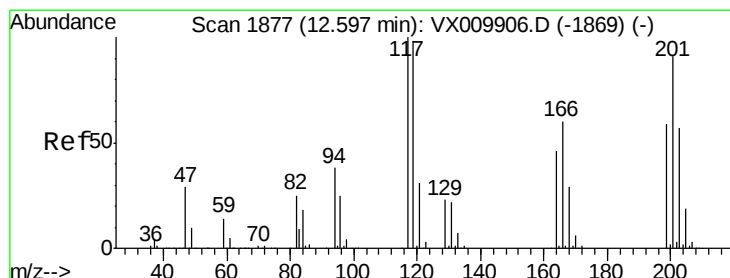
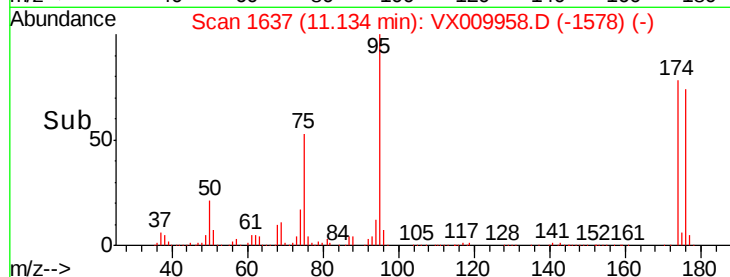
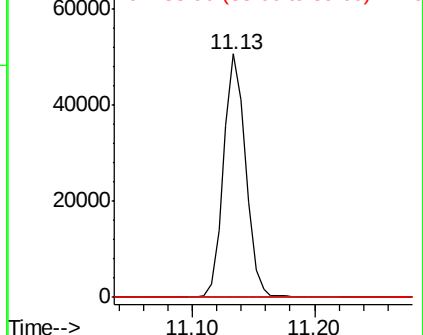
89 0.0 34.2 51.4#



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



#90

Hexachloroethane

Concen: 0.222 ug/l

RT: 12.69 min Scan# 1893

Delta R.T. 0.10 min

Lab File: VX009958.D

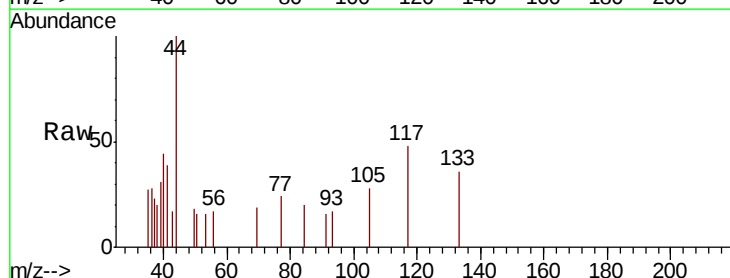
Acq: 30 May 2019 14:17

Tgt Ion: 117 Resp: 265

Ion Ratio Lower Upper

117 100

201 0.0 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

