

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX010003.D
 Acq On : 31 May 2019 23:24
 Operator : JC/SP
 Sample : K3128-01DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0659DL

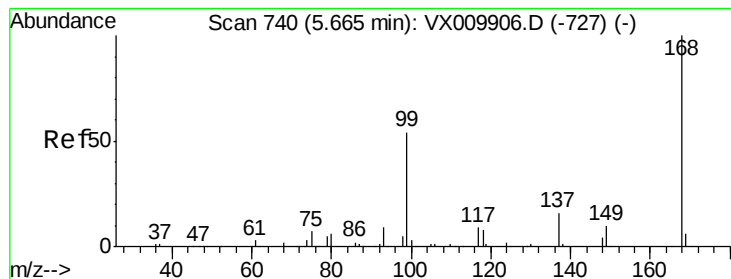
Quant Time: Jun 01 04:47:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	179623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	286332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117894	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	117786	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
35) Dibromofluoromethane	5.50	113	87463	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	8.71	98	363053	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.13	95	124323	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	2437	0.916	ug/l	91
5) Bromomethane	1.64	94	495	0.307	ug/l	97
6) Chloroethane	1.70	64	3689	2.253	ug/l #	62
10) Methyl Iodide	2.53	142	397	4.820	ug/l #	87
11) Tert butyl alcohol	3.02	59	4853	7.772	ug/l #	73
13) Acrolein	2.29	56	177	21.463	ug/l	89
16) Acetone	2.44	43	1865	1.272	ug/l #	80
17) Carbon Disulfide	2.57	76	2883	0.904	ug/l #	92
21) trans-1,2-Dichloroethene	3.17	96	11635	5.748	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	83305	35.655	ug/l	88
29) Tetrahydrofuran	5.14	42	345	0.236	ug/l #	39
36) 1,1-Dichloropropene	5.66	75	13808	4.753	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16021	6.382	ug/l #	15
44) Trichloroethene	7.22	130	2717	1.298	ug/l	83
76) 1,2,3-Trichloropropane	11.13	75	64443	22.858	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64443	56.556	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010003.D

Acq: 31 May 2019 23:24

Instrument :

MSVOA_X

ClientSampleID :

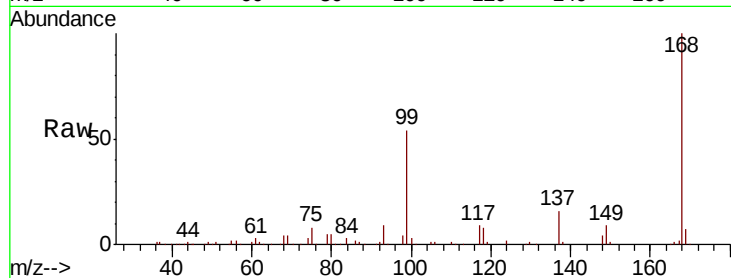
S32-0659DL

Tot Ion:168 Resp: 179623

Ion Ratio Lower Upper

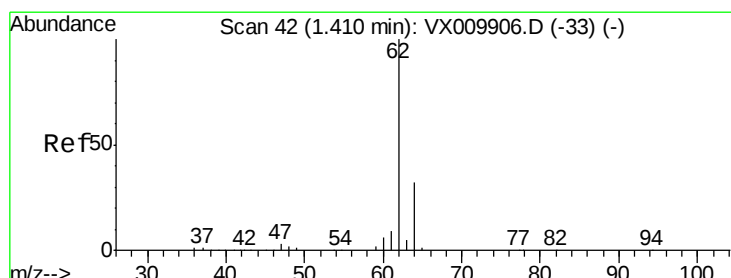
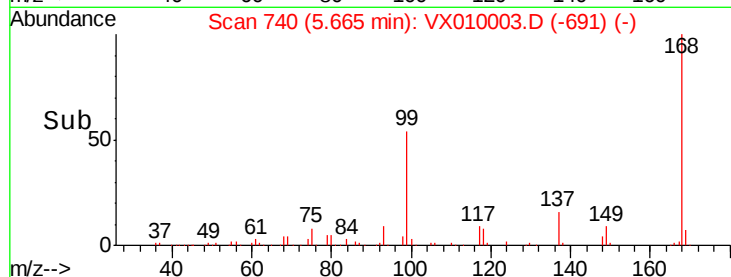
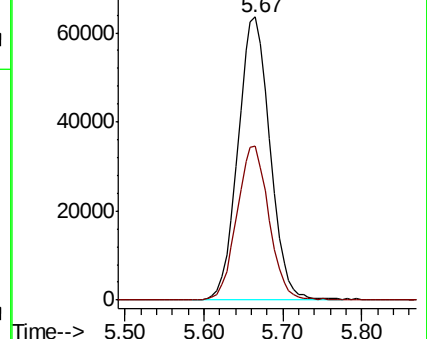
168 100

99 54.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.916 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010003.D

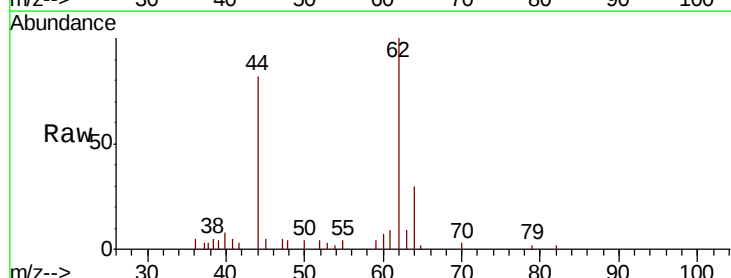
Acq: 31 May 2019 23:24

Tgt Ion: 62 Resp: 2437

Ion Ratio Lower Upper

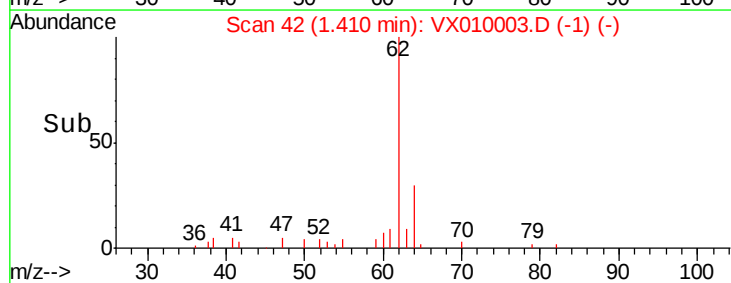
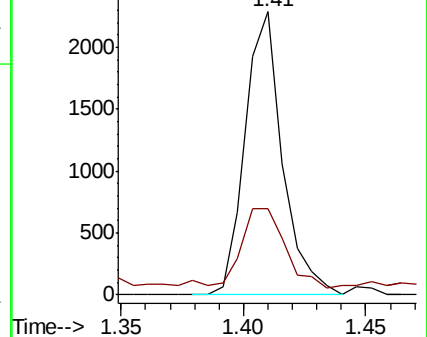
62 100

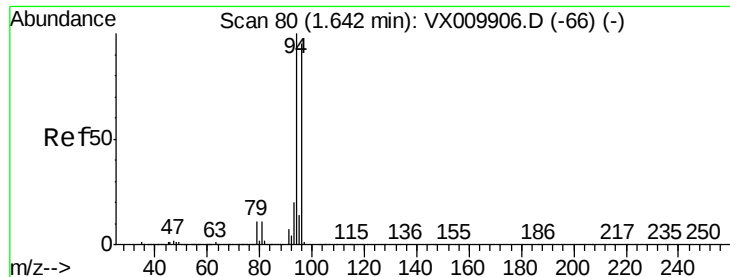
64 26.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.307 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010003.D

Acq: 31 May 2019 23:24

Instrument :

MSVOA_X

ClientSampled :

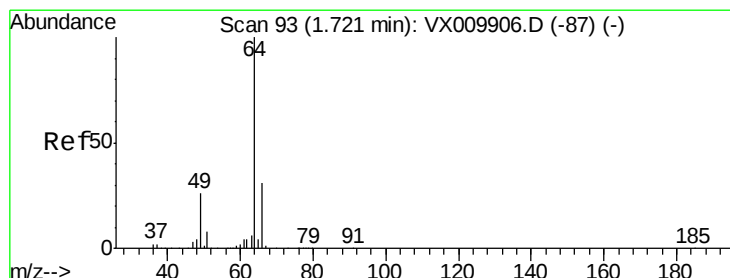
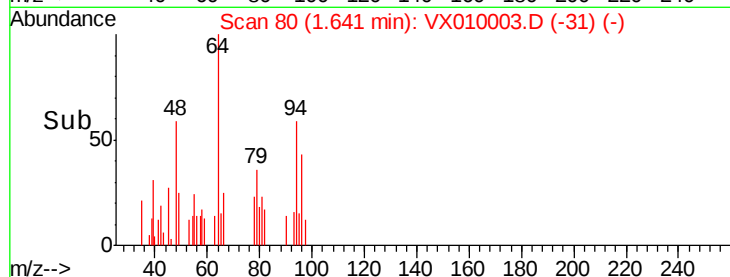
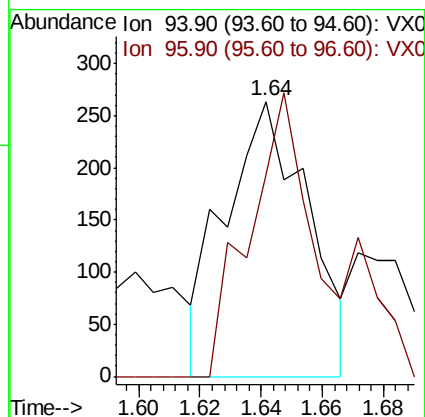
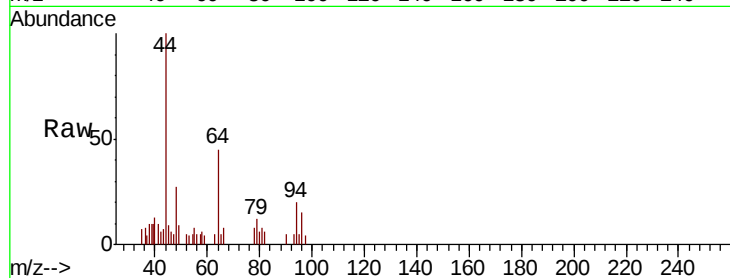
S32-0659DL

Tot Ion: 94 Resp: 495

Ion Ratio Lower Upper

94 100

96 98.5 76.2 114.4



#6

Chloroethane

Concen: 2.253 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX010003.D

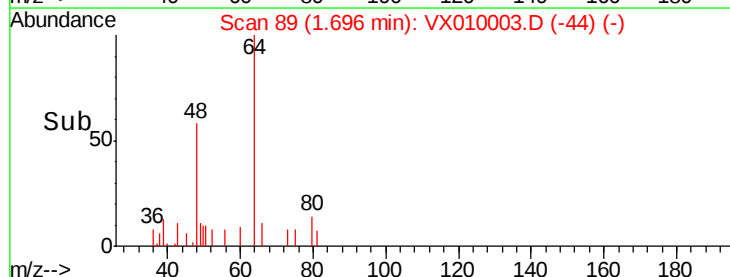
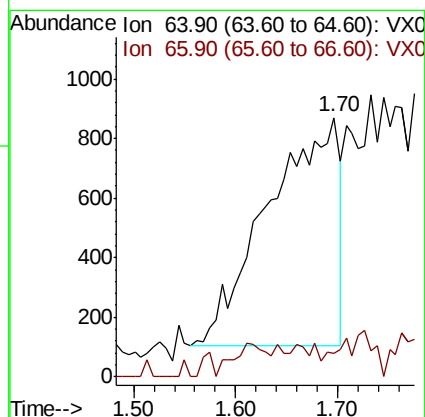
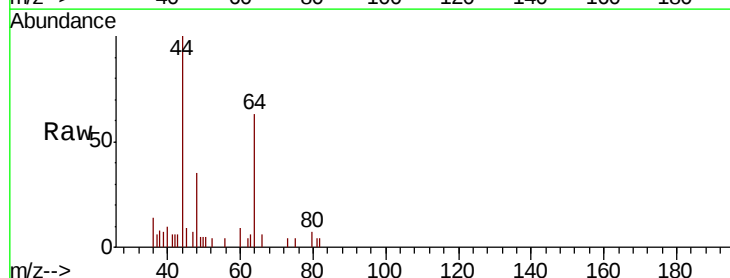
Acq: 31 May 2019 23:24

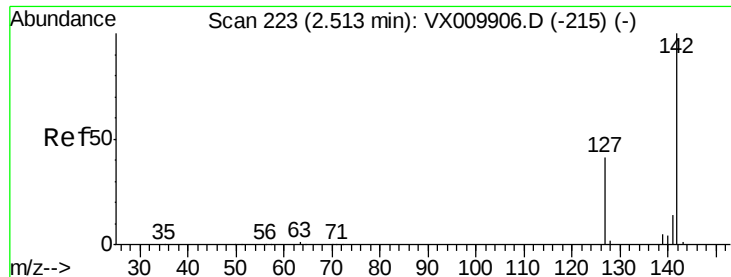
Tgt Ion: 64 Resp: 3689

Ion Ratio Lower Upper

64 100

66 10.4 25.1 37.7#

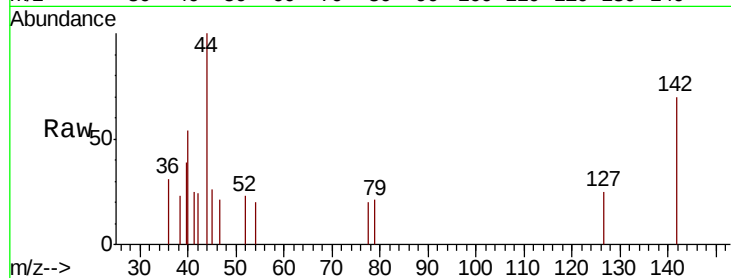




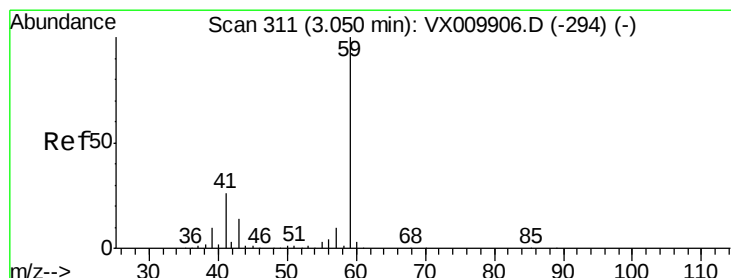
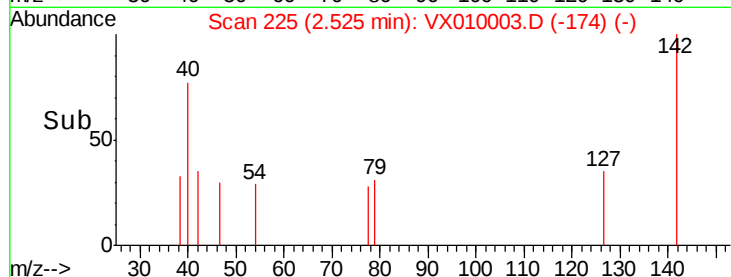
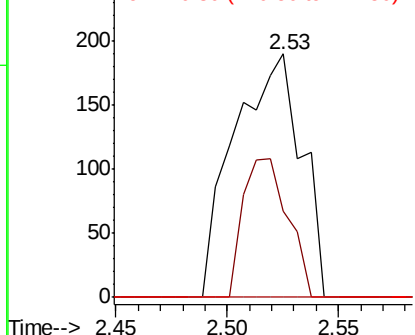
#10
Methyl Iodide
Concen: 4.820 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.01 min
Lab File: VX010003.D
Acq: 31 May 2019 23:24

Instrument :
MSVOA_X
ClientSampleID :
S32-0659DL

Tot Ion:142 Resp: 397
Ion Ratio Lower Upper
142 100
127 38.0 33.0 49.4
141 0.0 11.4 17.0#

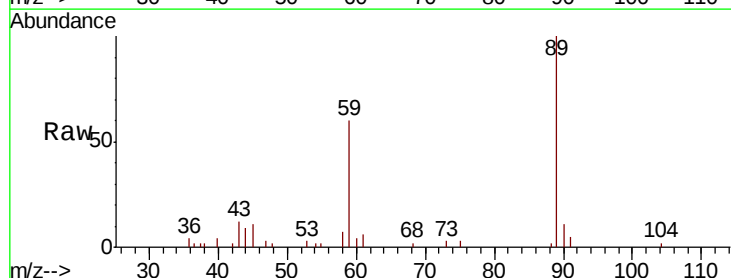


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

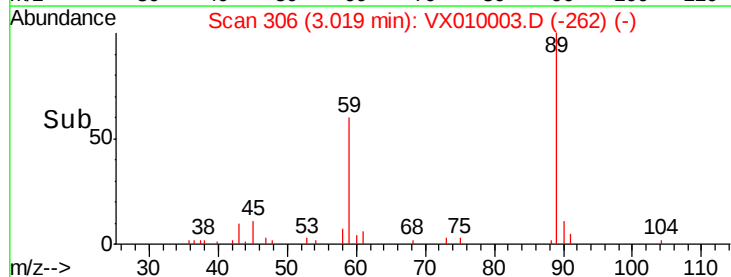
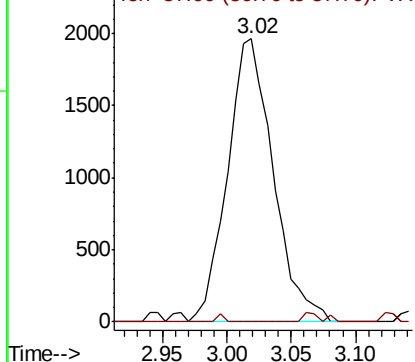


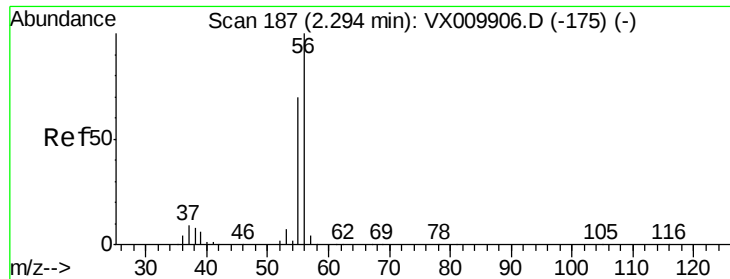
#11
Tert butyl alcohol
Concen: 7.772 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010003.D
Acq: 31 May 2019 23:24

Tgt Ion: 59 Resp: 4853
Ion Ratio Lower Upper
59 100
57 0.0 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: 21.463 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010003.D

Acq: 31 May 2019 23:24

Instrument :

MSVOA_X

ClientSampled :

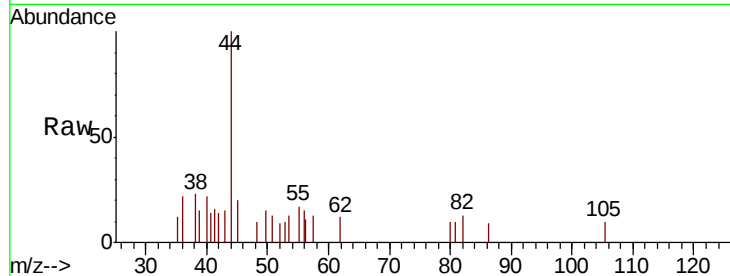
S32-0659DL

Tot Ion: 56 Resp: 177

Ion Ratio Lower Upper

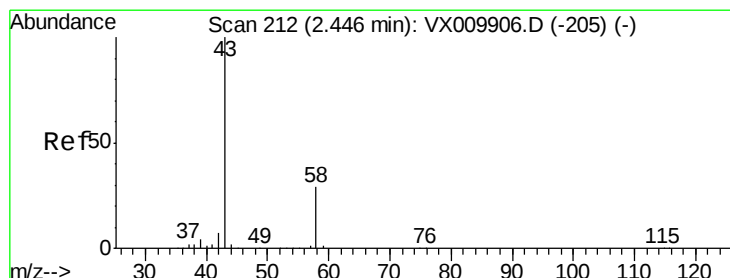
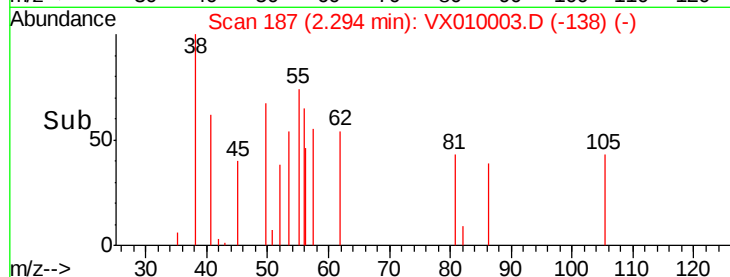
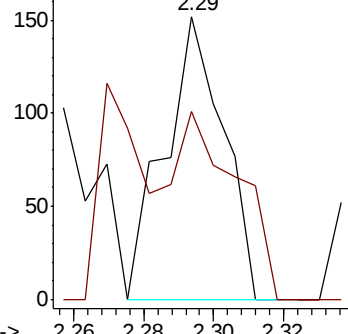
56 100

55 62.1 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: 1.272 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010003.D

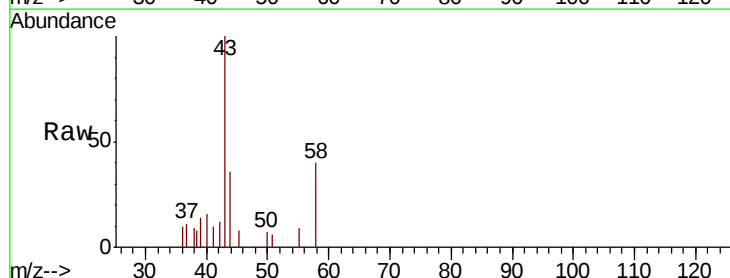
Acq: 31 May 2019 23:24

Tgt Ion: 43 Resp: 1865

Ion Ratio Lower Upper

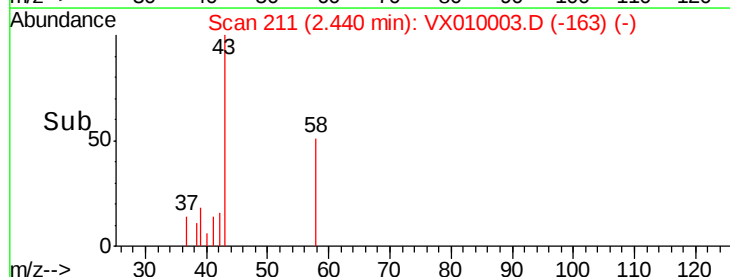
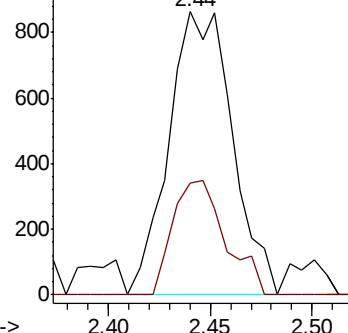
43 100

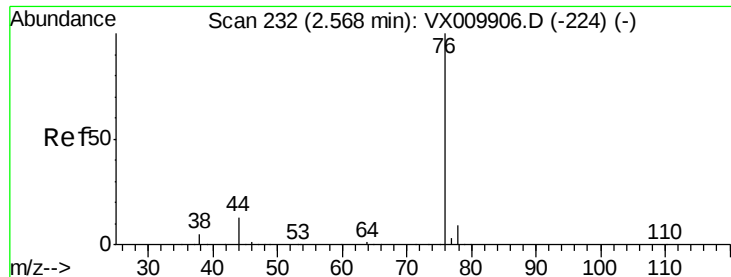
58 39.5 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.904 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010003.D

Acq: 31 May 2019 23:24

Instrument :

MSVOA_X

ClientSampleId :

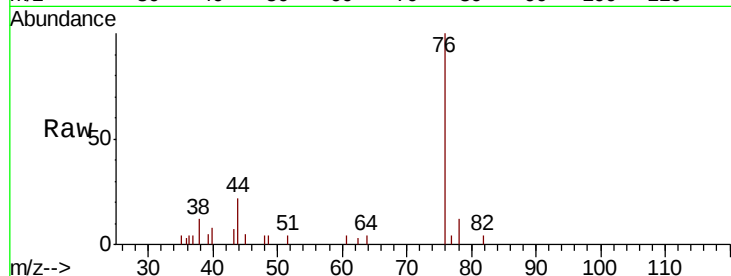
S32-0659DL

Tot Ion: 76 Resp: 2883

Ion Ratio Lower Upper

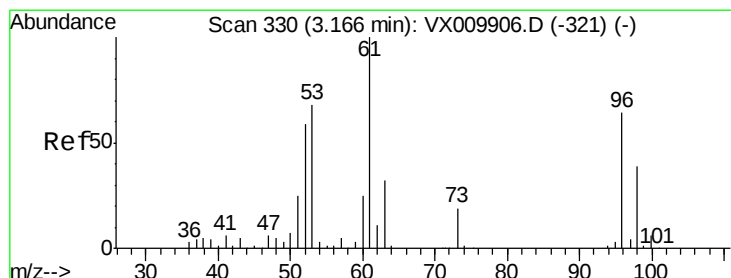
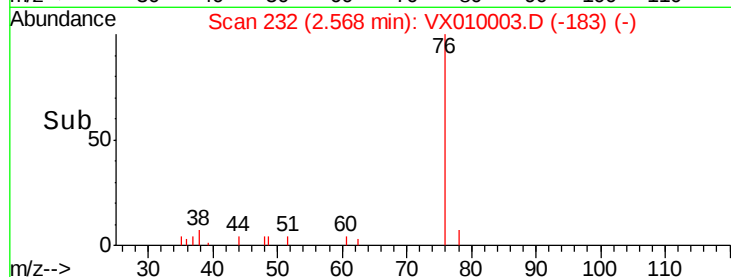
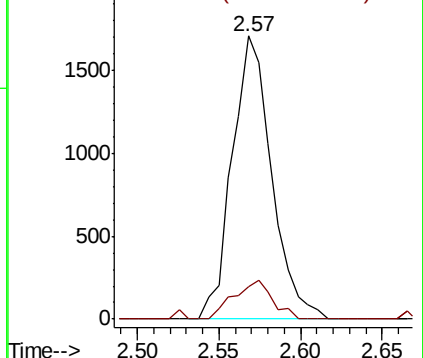
76 100

78 11.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 5.748 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX010003.D

Acq: 31 May 2019 23:24

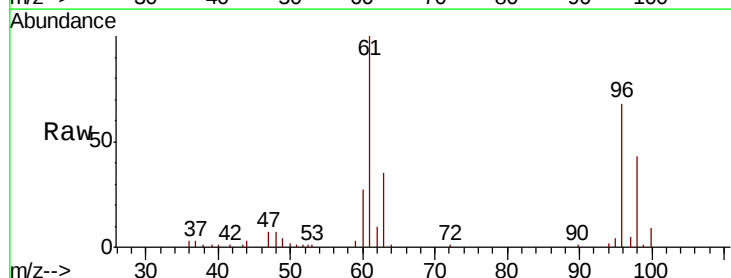
Tgt Ion: 96 Resp: 11635

Ion Ratio Lower Upper

96 100

61 147.3 125.7 188.5

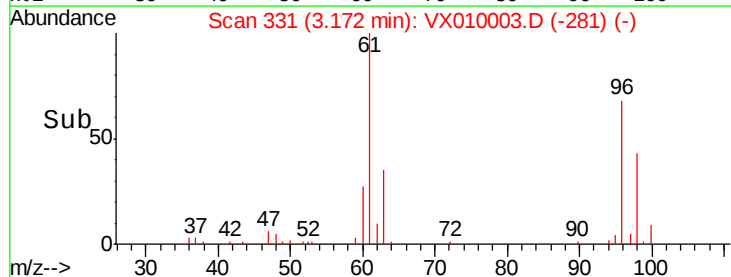
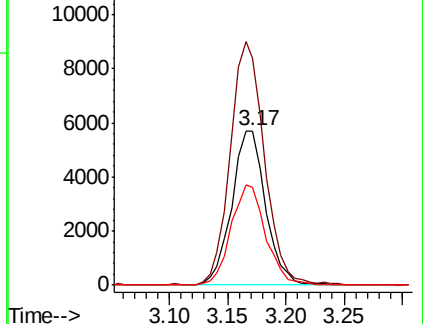
98 63.1 49.0 73.6

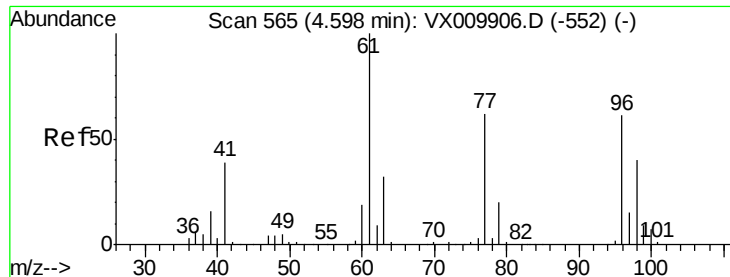


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



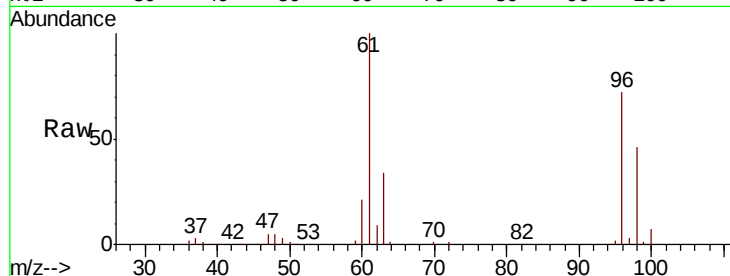


#27

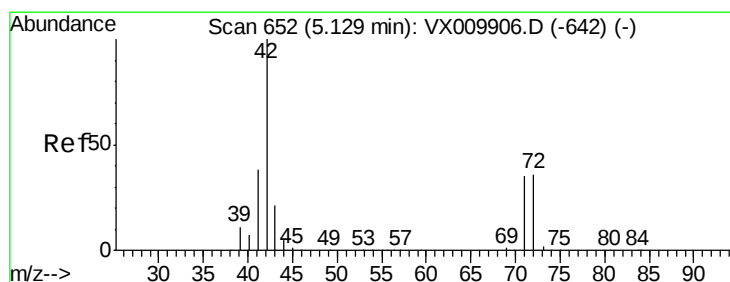
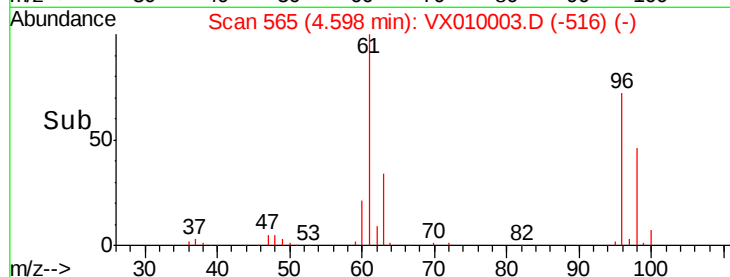
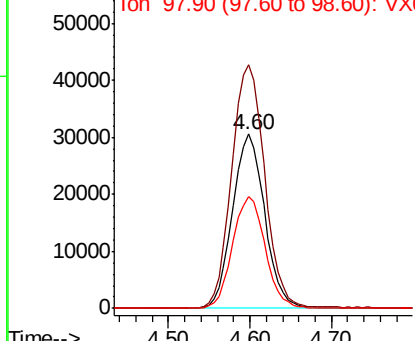
cis-1,2-Dichloroethene
 Concen: 35.655 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX010003.D
 Acq: 31 May 2019 23:24

Instrument :
 MSVOA_X
 ClientSampleID :
 S32-0659DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	334.0
98	64.9	0.0	131.6



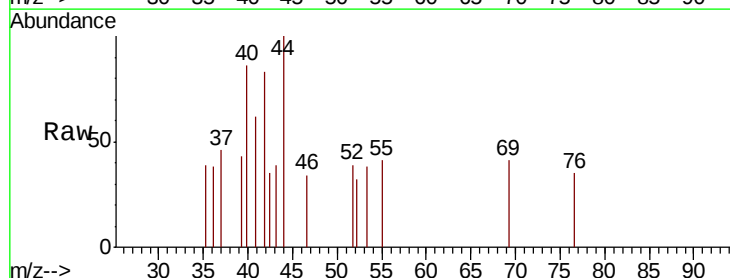
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



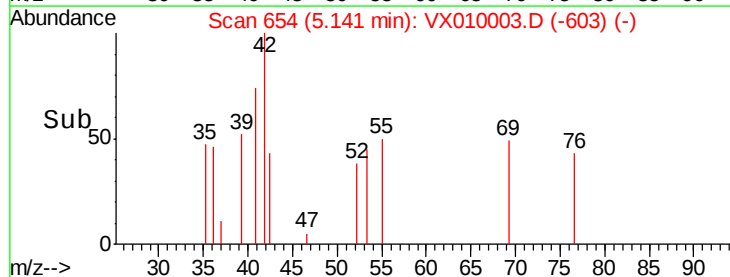
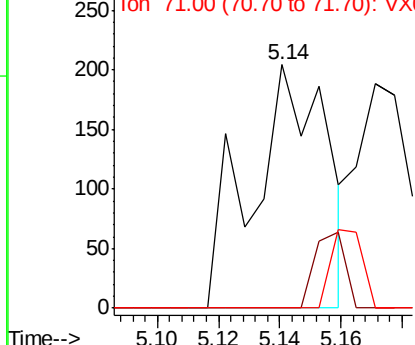
#29

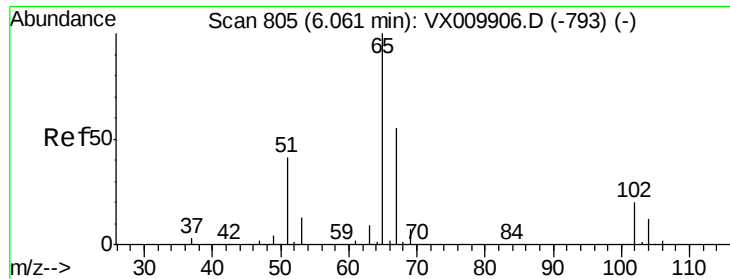
Tetrahydrofuran
 Concen: 0.236 ug/l
 RT: 5.14 min Scan# 654
 Delta R.T. 0.01 min
 Lab File: VX010003.D
 Acq: 31 May 2019 23:24

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.2	43.8#
71	0.0	27.6	41.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.421 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010003.D

Acq: 31 May 2019 23:24

Instrument :

MSVOA_X

ClientSampled :

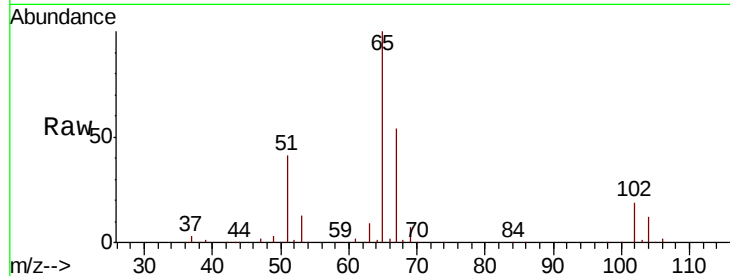
S32-0659DL

Tot Ion: 65 Resp: 117786

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

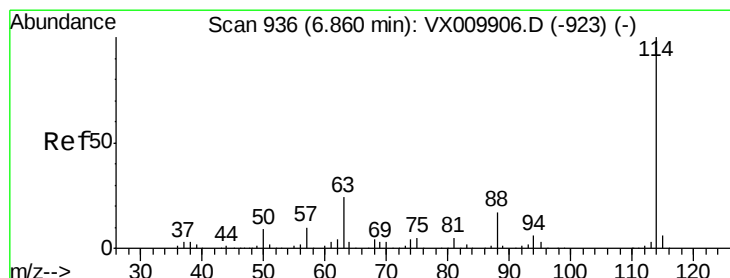
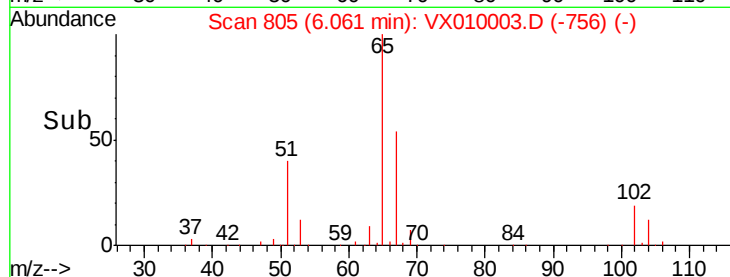
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010003.D

Acq: 31 May 2019 23:24

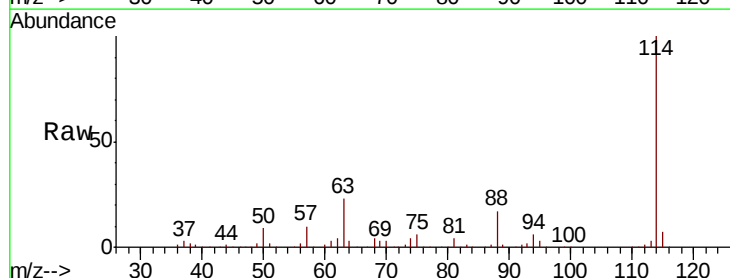
Tgt Ion: 114 Resp: 286332

Ion Ratio Lower Upper

114 100

63 23.4 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

6.86

150000

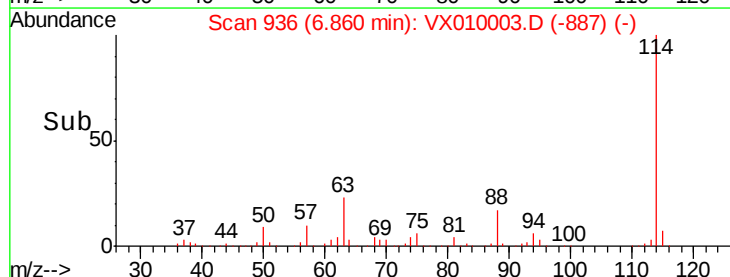
100000

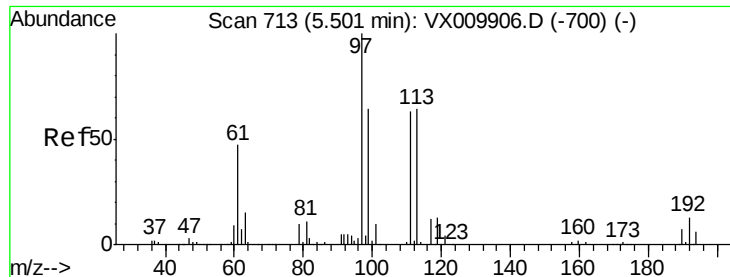
50000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 48.586 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010003.D

Acq: 31 May 2019 23:24

Instrument :

MSVOA_X

ClientSampleId :

S32-0659DL

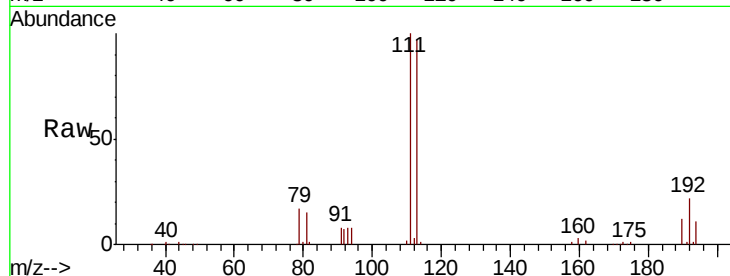
Tot Ion:113 Resp: 87463

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

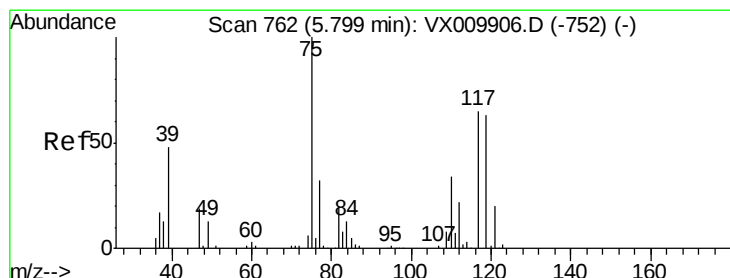
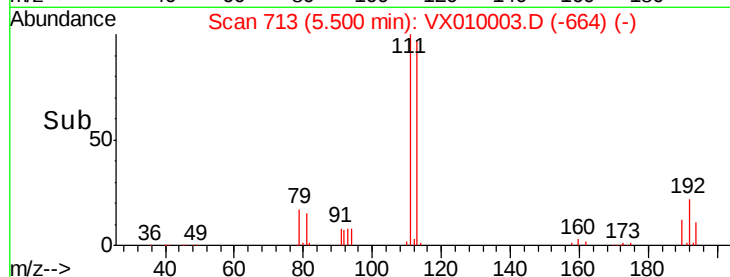
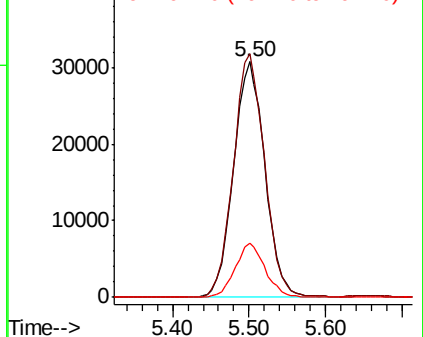
192 22.0 17.1 25.7



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: 4.753 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010003.D

Acq: 31 May 2019 23:24

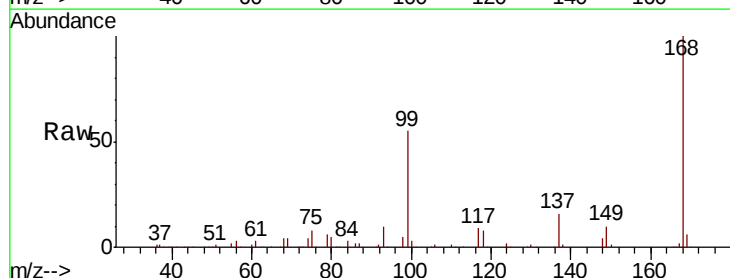
Tgt Ion: 75 Resp: 13808

Ion Ratio Lower Upper

75 100

110 9.4 16.7 50.1#

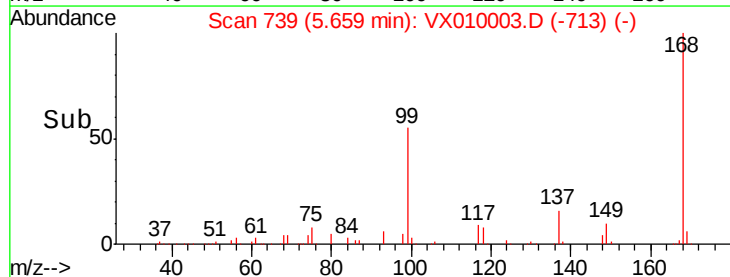
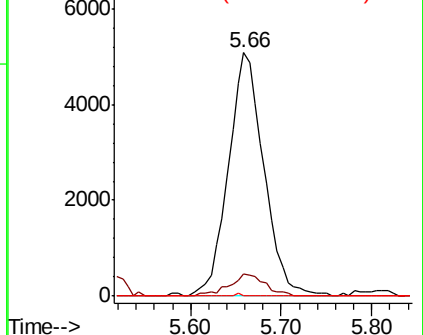
77 0.1 25.0 37.4#

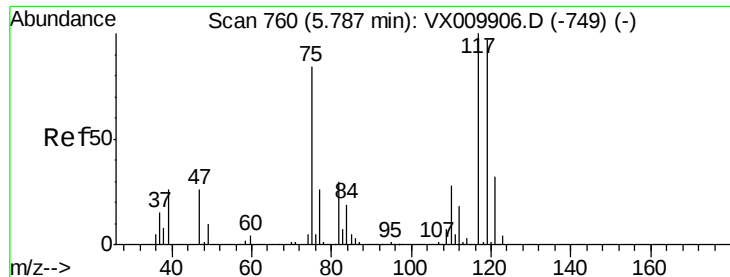


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.382 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010003.D

Acq: 31 May 2019 23:24

Instrument :

MSVOA_X

ClientSampled :

S32-0659DL

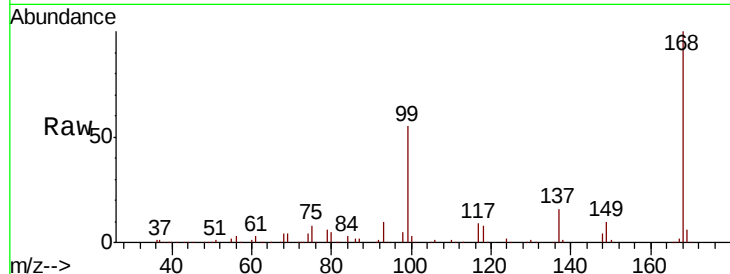
Tot Ion:117 Resp: 16021

Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

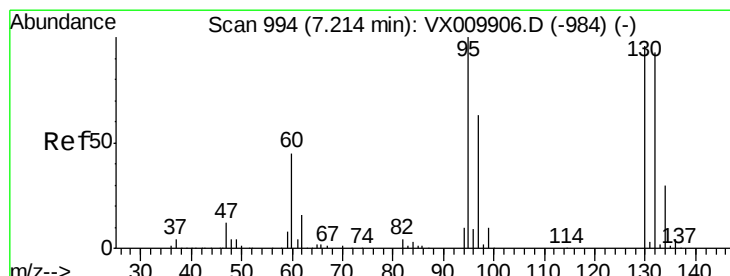
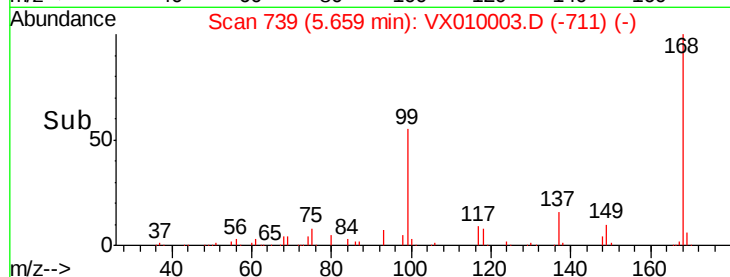
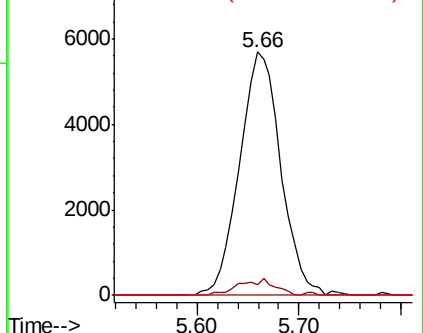
121 0.0 25.4 38.0#



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



#44

Trichloroethene

Concen: 1.298 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010003.D

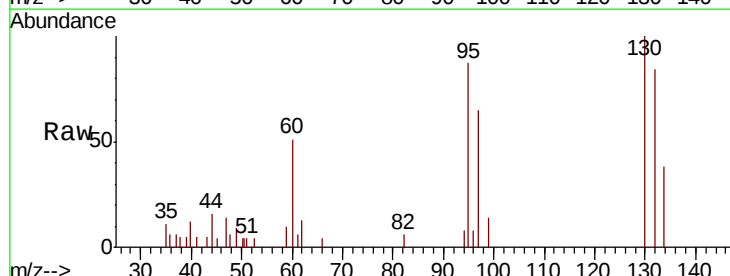
Acq: 31 May 2019 23:24

Tgt Ion:130 Resp: 2717

Ion Ratio Lower Upper

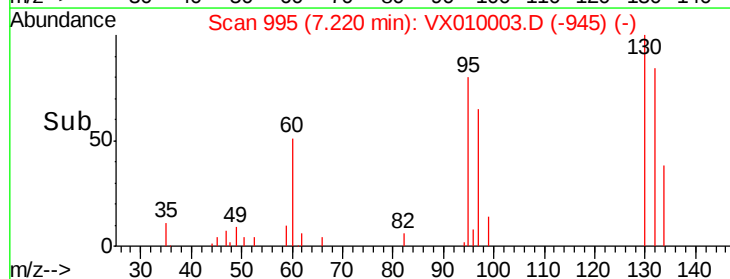
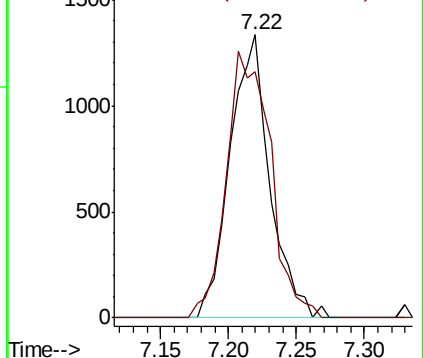
130 100

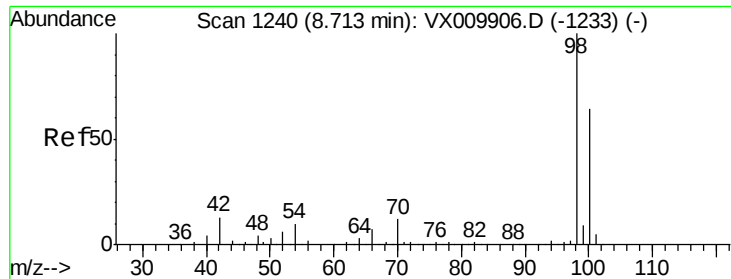
95 86.8 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

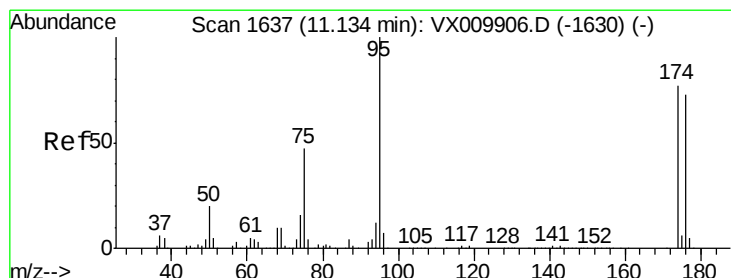
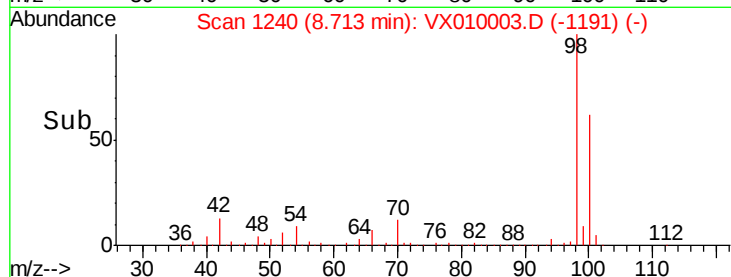
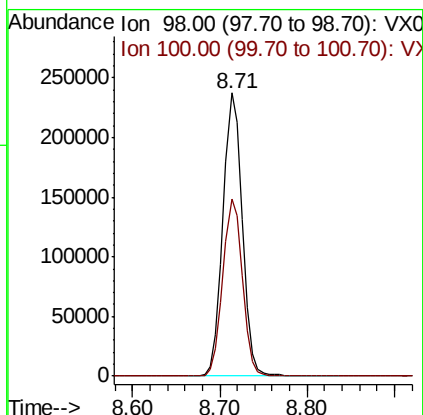
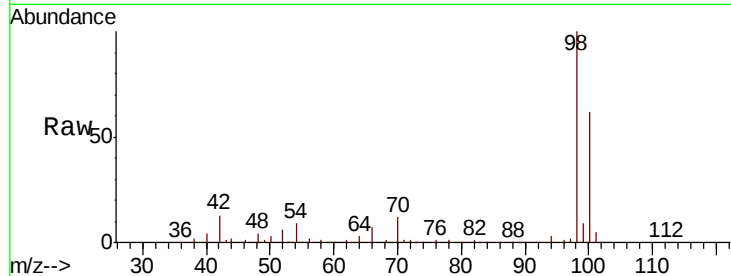




#50
Toluene-d8
Concen: 49.664 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010003.D
Acq: 31 May 2019 23:24

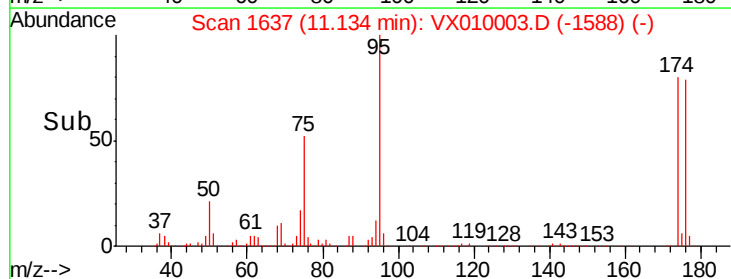
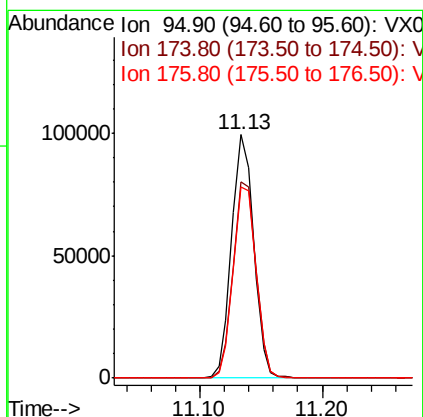
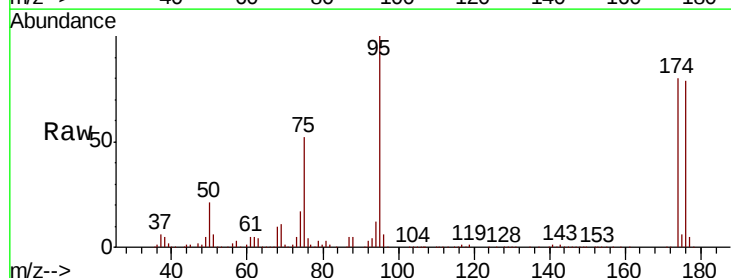
Instrument :
MSVOA_X
ClientSampled :
S32-0659DL

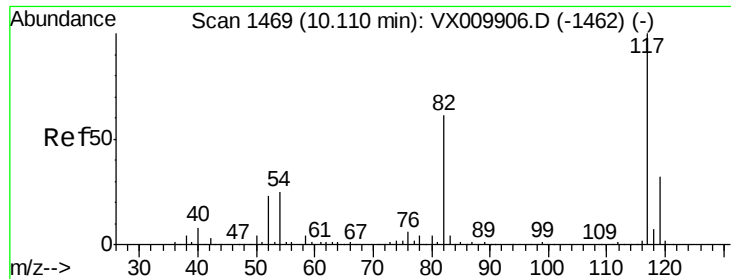
Tot Ion: 98 Resp: 363053
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 47.349 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010003.D
Acq: 31 May 2019 23:24

Tgt Ion: 95 Resp: 124323
Ion Ratio Lower Upper
95 100
174 83.3 0.0 160.4
176 81.9 0.0 154.6

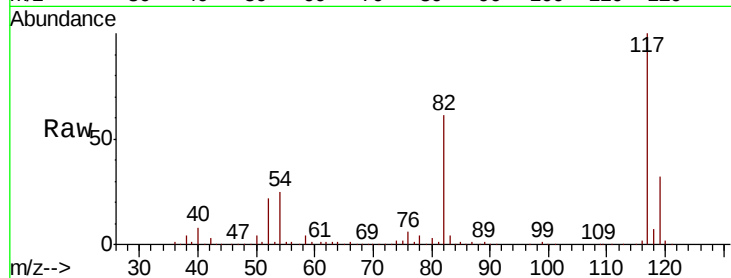




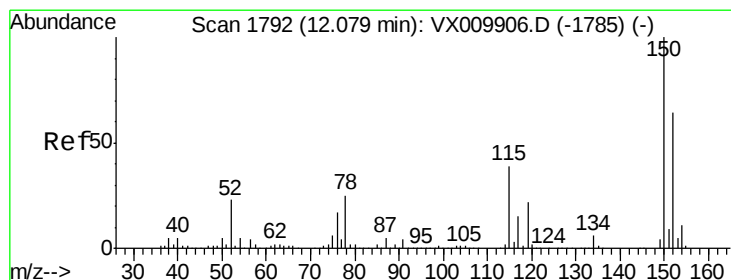
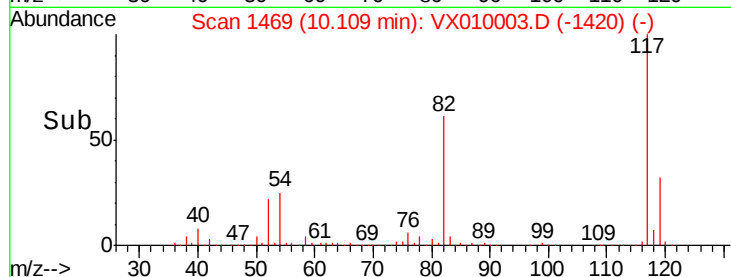
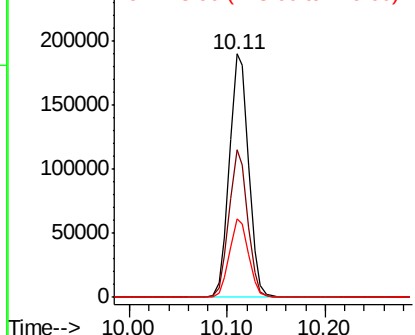
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010003.D
Acq: 31 May 2019 23:24

Instrument :
MSVOA_X
ClientSampled :
S32-0659DL

Tot Ion:117 Resp: 260408
Ion Ratio Lower Upper
117 100
82 60.5 49.2 73.8
119 32.2 25.2 37.8

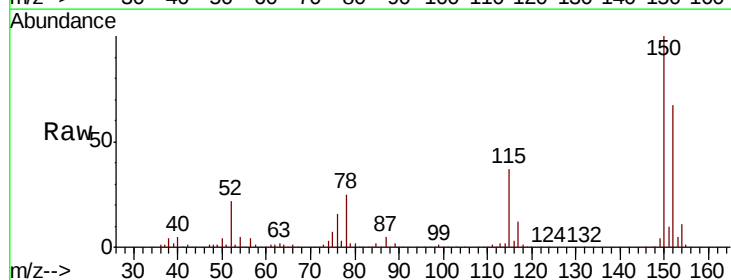


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

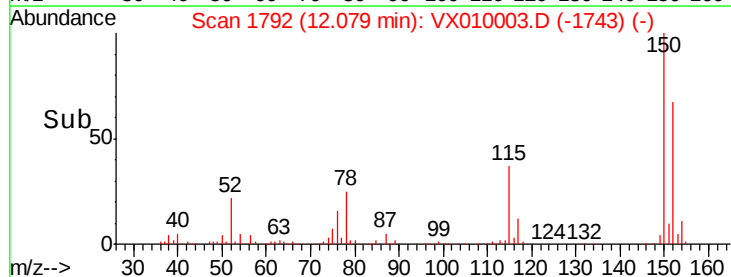
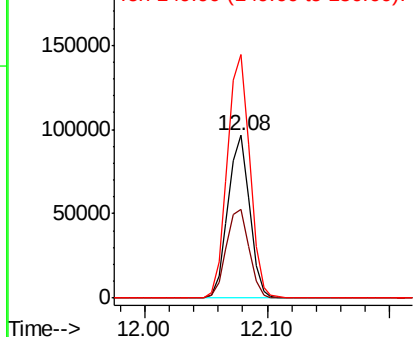


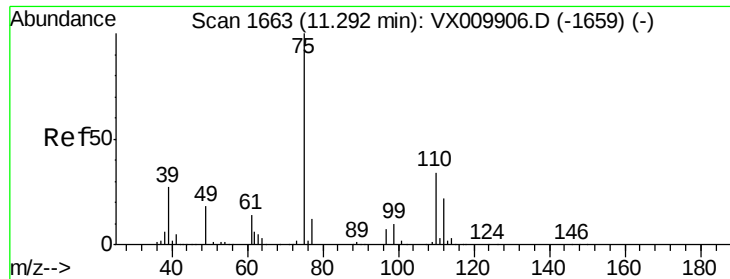
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010003.D
Acq: 31 May 2019 23:24

Tgt Ion:152 Resp: 117894
Ion Ratio Lower Upper
152 100
115 57.9 41.4 124.2
150 155.1 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

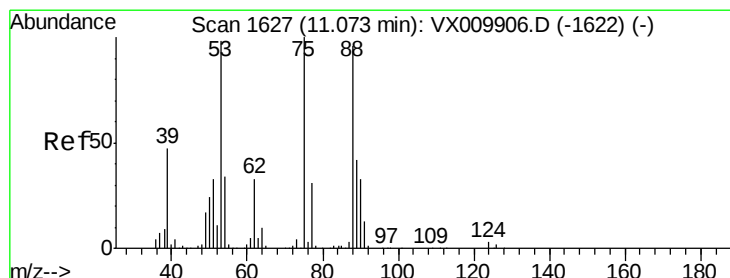
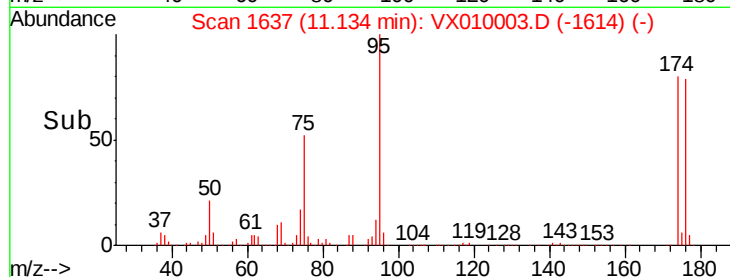
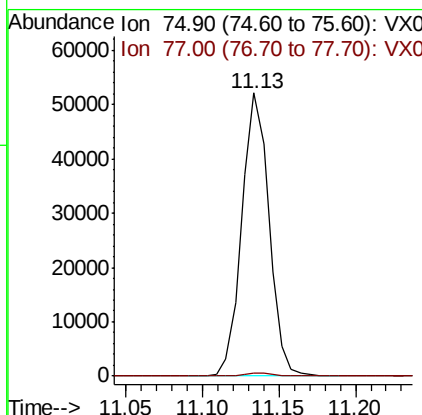
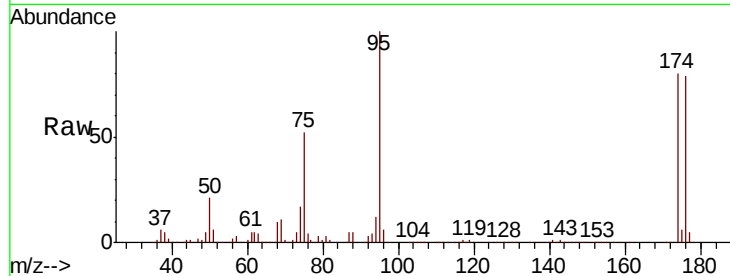




#76
 1,2,3-Trichloropropane
 Concen: 22.858 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010003.D
 Acq: 31 May 2019 23:24

Instrument :
 MSVOA_X
 ClientSampleID :
 S32-0659DL

Tot Ion: 75 Resp: 64443
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.556 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010003.D
 Acq: 31 May 2019 23:24

Tgt Ion: 75 Resp: 64443
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.8 119.6#
 89 0.0 34.2 51.4#

