

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052819\
 Data File : VX009917.D
 Acq On : 28 May 2019 16:09
 Operator : JC/SP
 Sample : K3032-05DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0653DL

Quant Time: May 29 04:11:09 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	181475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	289973	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116398	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	124207	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	5.50	113	88720	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	8.71	98	373921	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.13	95	127646	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	

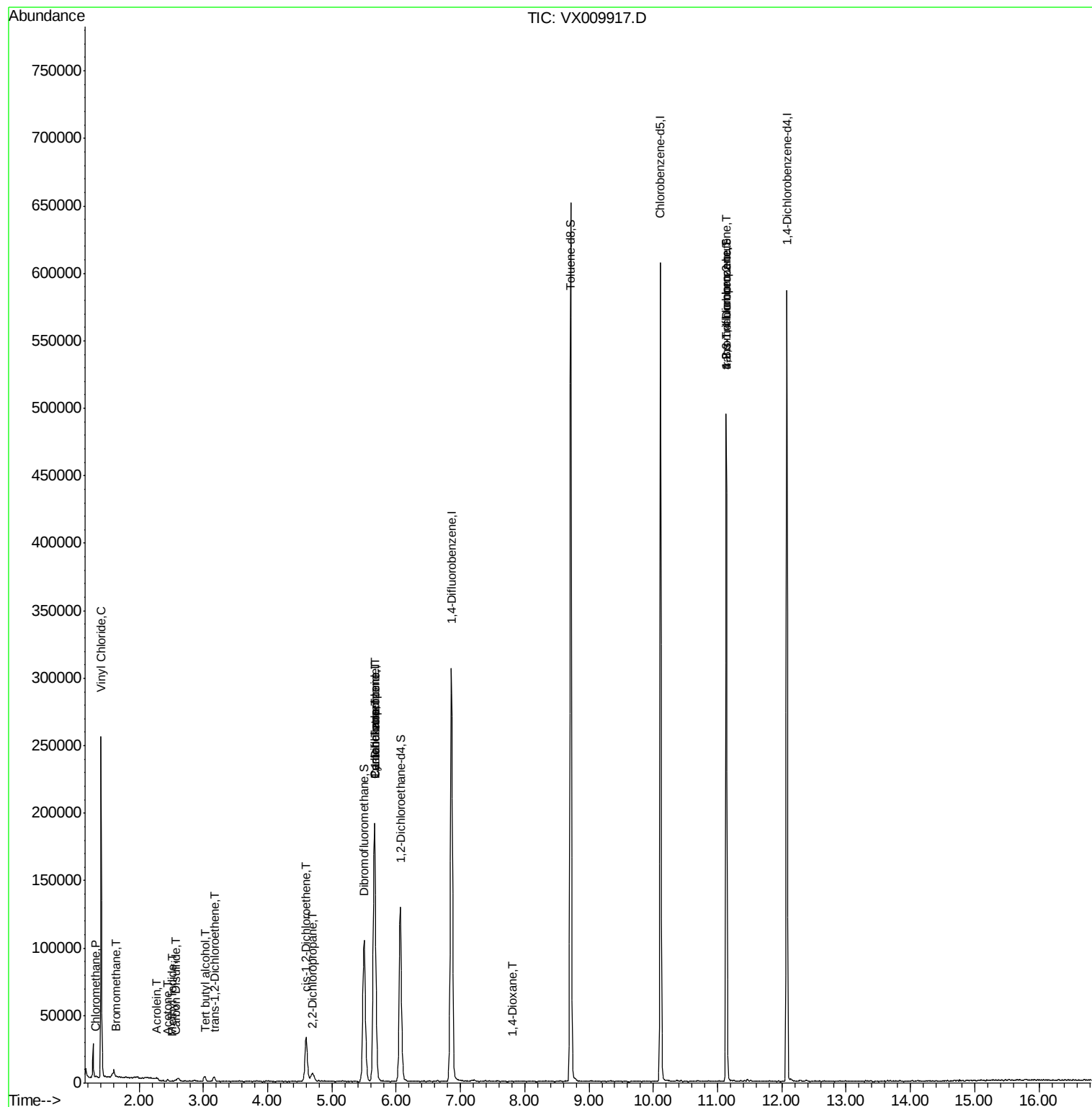
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	679	0.228	ug/l #	87
4) Vinyl Chloride	1.41	62	171977	63.991	ug/l	99
5) Bromomethane	1.65	94	603	0.370	ug/l #	73
10) Methyl Iodide	2.53	142	247	4.758	ug/l #	48
11) Tert butyl alcohol	3.02	59	2197	3.482	ug/l #	75
13) Acrolein	2.28	56	288	21.687	ug/l #	64
16) Acetone	2.44	43	1148	0.775	ug/l #	77
17) Carbon Disulfide	2.57	76	864	0.539	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	1085	0.531	ug/l	96
26) 2,2-Dichloropropane	4.69	77	739	0.237	ug/l #	53
27) cis-1,2-Dichloroethene	4.60	96	19893	8.427	ug/l	90
31) Cyclohexane	5.67	56	4398	1.127	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14860	5.051	ug/l #	50
38) Carbon Tetrachloride	5.67	117	17505	6.885	ug/l #	16
49) 1,4-Dioxane	7.82	88	19	0.312	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65041	23.367	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65041	57.814	ug/l #	10

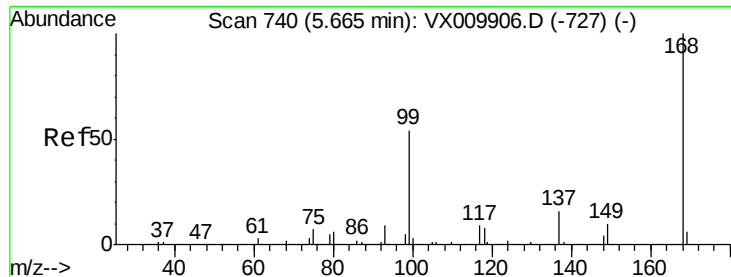
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052819\
Data File : VX009917.D
Acq On : 28 May 2019 16:09
Operator : JC/SP
Sample : K3032-05DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S32-0653DL

Quant Time: May 29 04:11:09 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: VX009917.D

Acq: 28 May 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

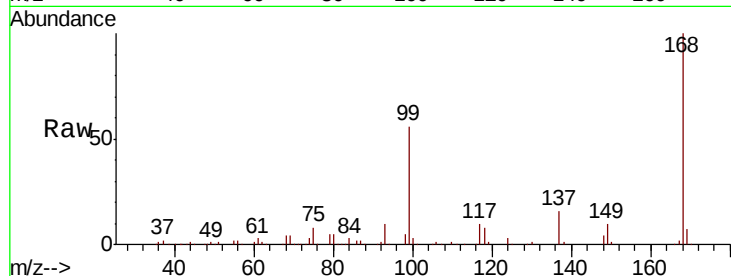
S32-0653DL

Tot Ion:168 Resp: 181475

Ion Ratio Lower Upper

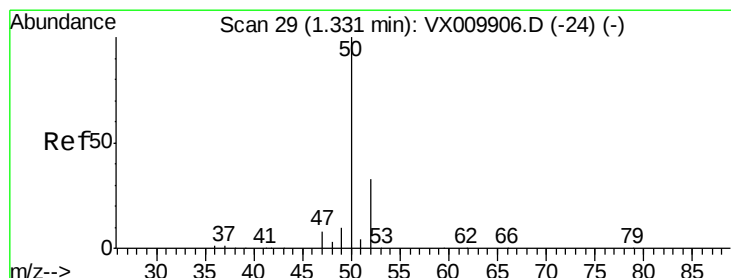
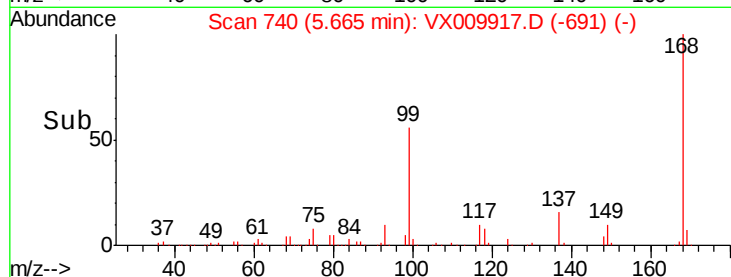
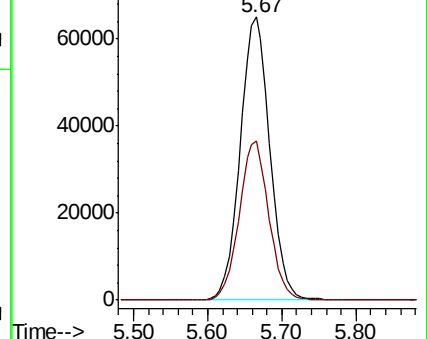
168 100

99 56.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX009917.D

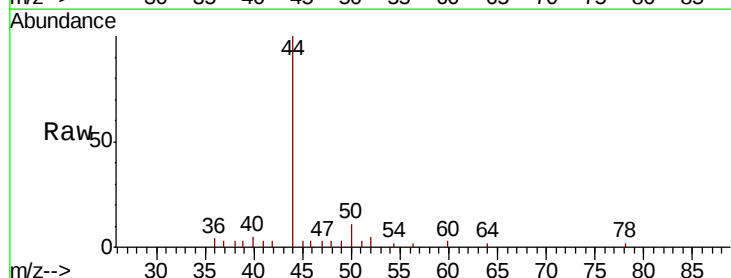
Acq: 28 May 2019 16:09

Tgt Ion: 50 Resp: 679

Ion Ratio Lower Upper

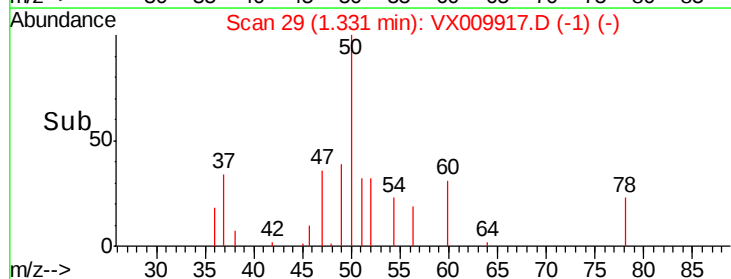
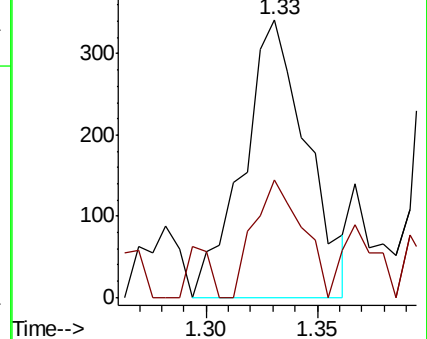
50 100

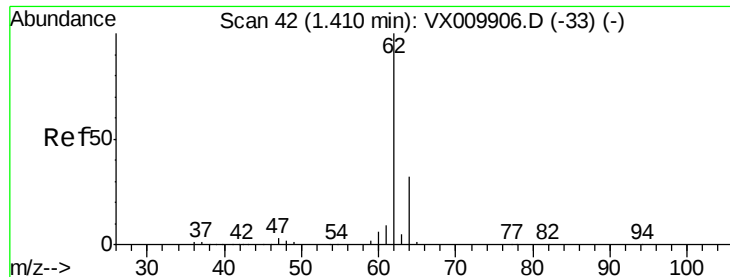
52 25.4 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 63.991 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009917.D

Acq: 28 May 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

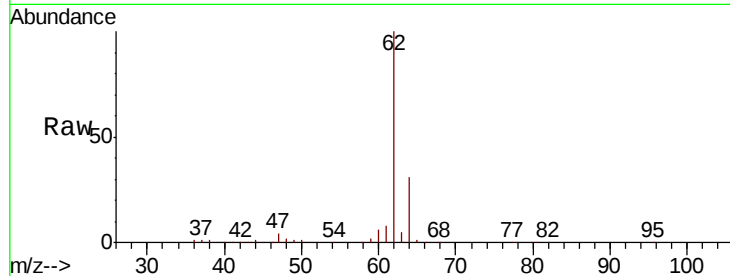
S32-0653DL

Tot Ion: 62 Resp: 171977

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

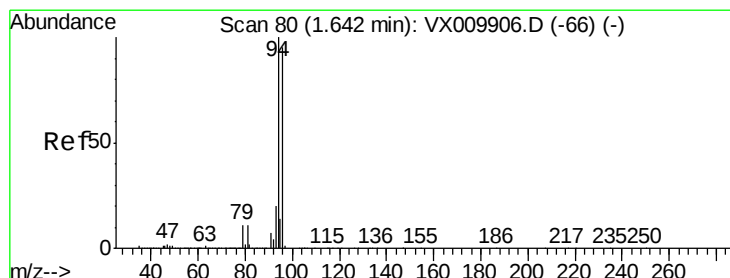
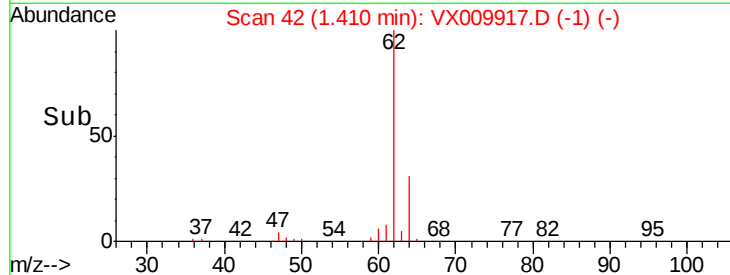
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.370 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009917.D

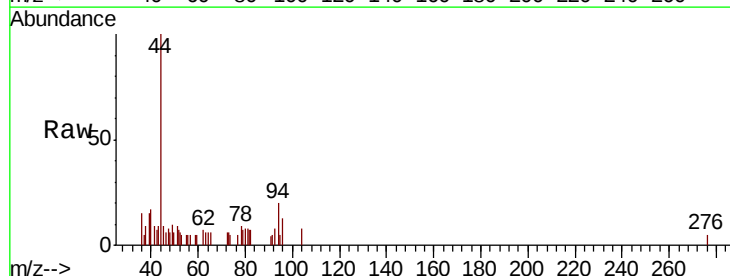
Acq: 28 May 2019 16:09

Tgt Ion: 94 Resp: 603

Ion Ratio Lower Upper

94 100

96 68.7 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

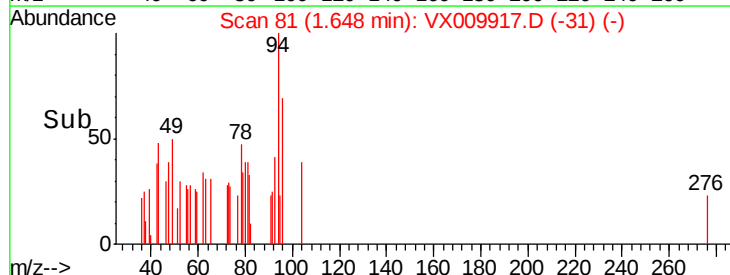
150

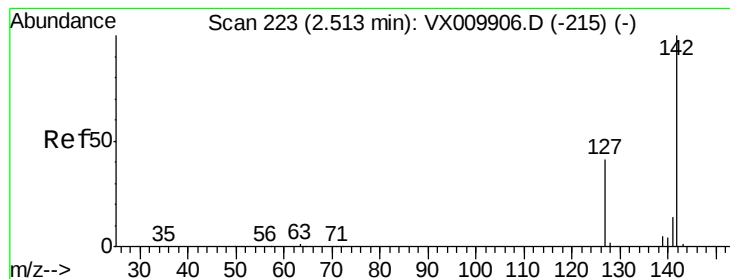
100

50

0

Time-->

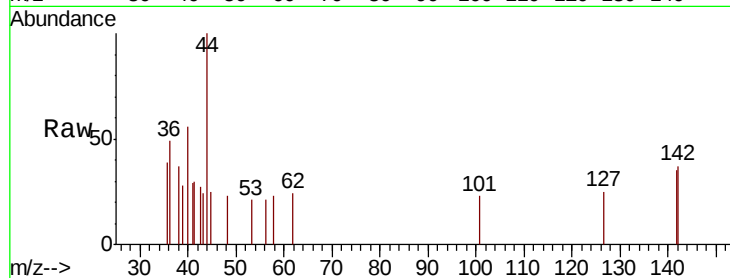




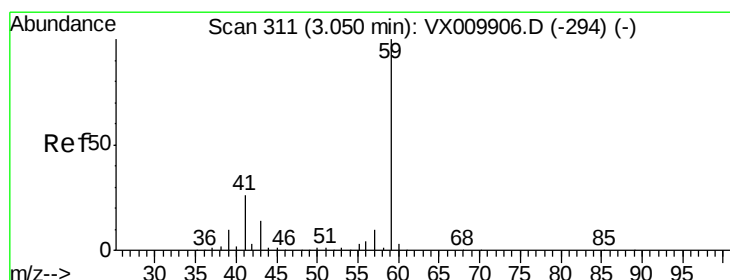
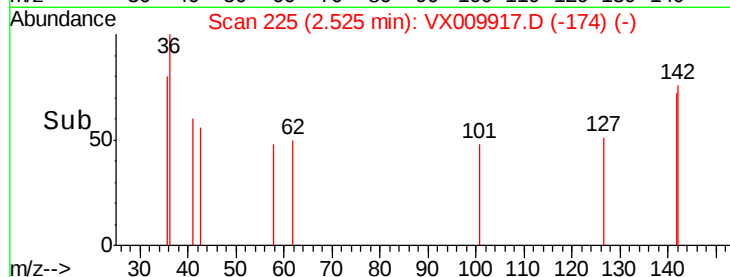
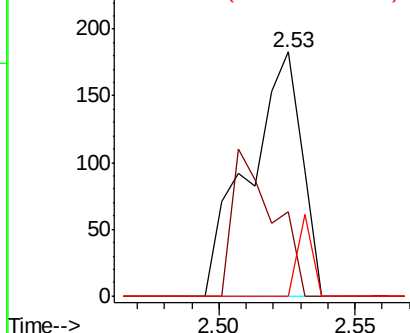
#10
Methyl Iodide
Concen: 4.758 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.01 min
Lab File: VX009917.D
Acq: 28 May 2019 16:09

Instrument :
MSVOA_X
ClientSampled :
S32-0653DL

Tot Ion:142 Resp: 247
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.4#
141 8.9 11.4 17.0#

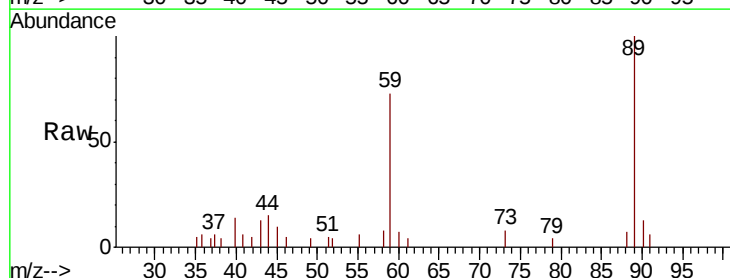


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

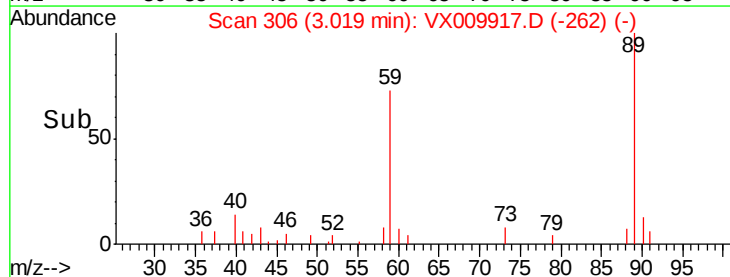
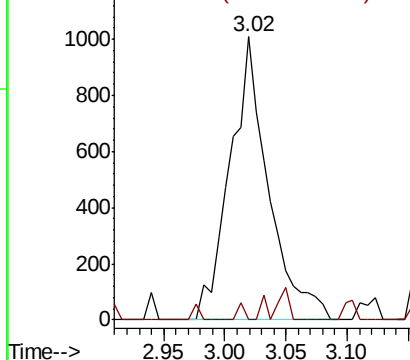


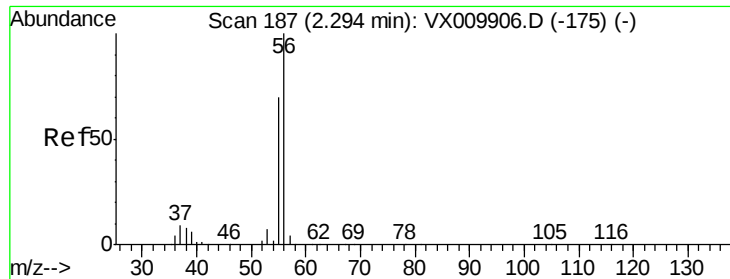
#11
Tert butyl alcohol
Concen: 3.482 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009917.D
Acq: 28 May 2019 16:09

Tgt Ion: 59 Resp: 2197
Ion Ratio Lower Upper
59 100
57 1.0 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: 21.687 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX009917.D

Acq: 28 May 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

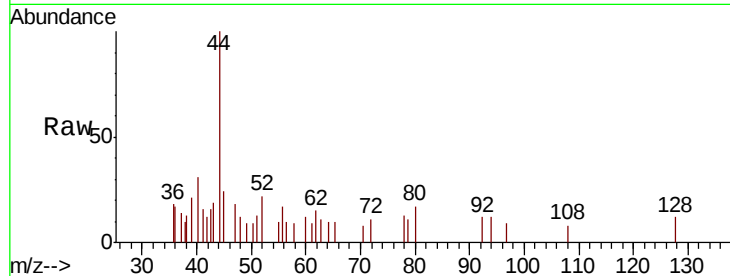
S32-0653DL

Tot Ion: 56 Resp: 288

Ion Ratio Lower Upper

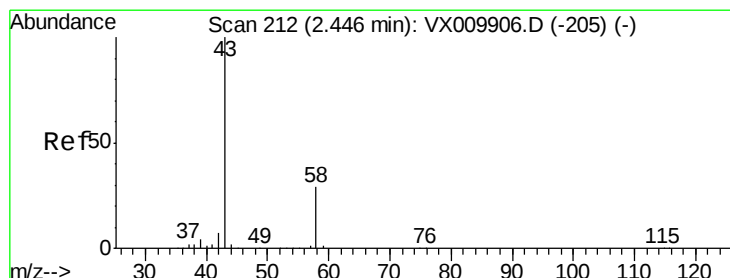
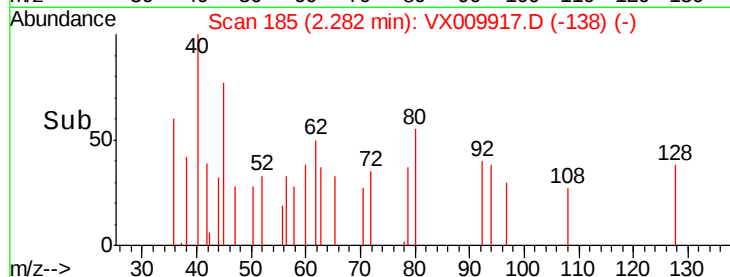
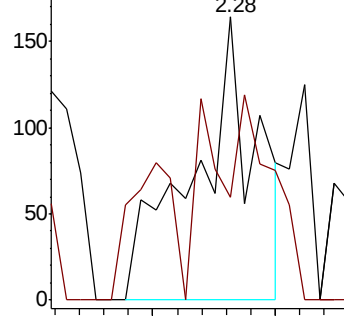
56 100

55 41.7 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: 0.775 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009917.D

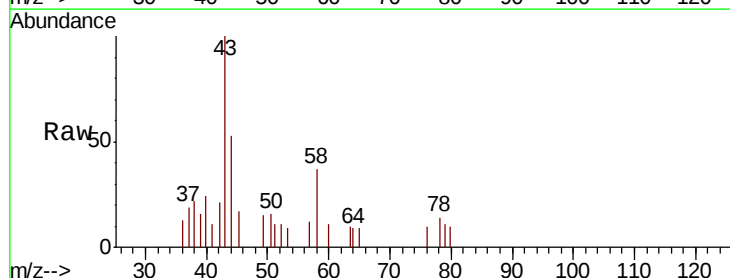
Acq: 28 May 2019 16:09

Tgt Ion: 43 Resp: 1148

Ion Ratio Lower Upper

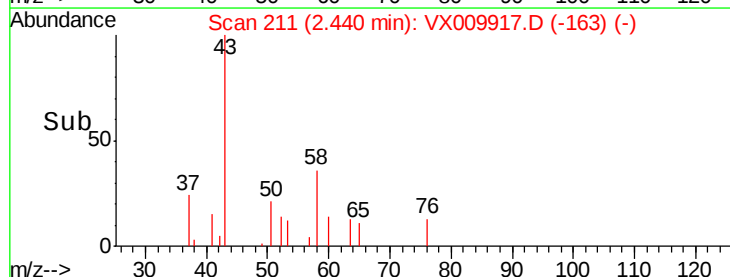
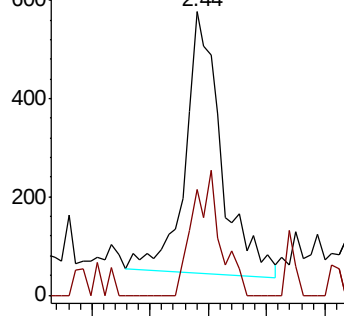
43 100

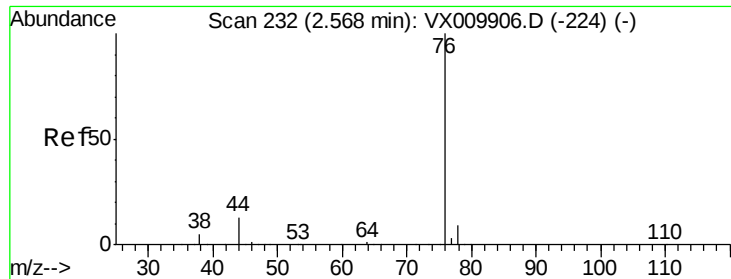
58 41.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

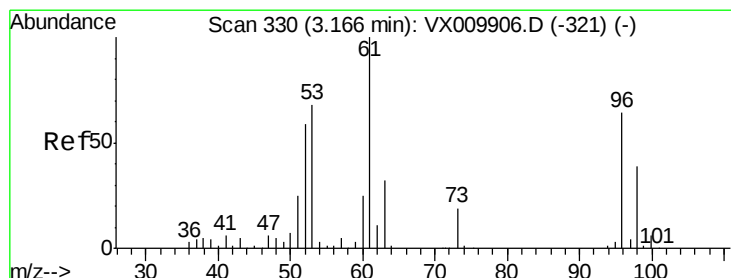
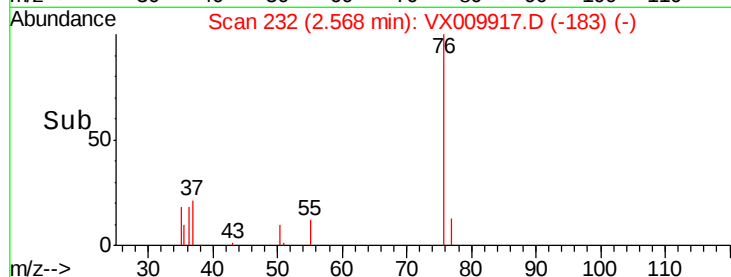
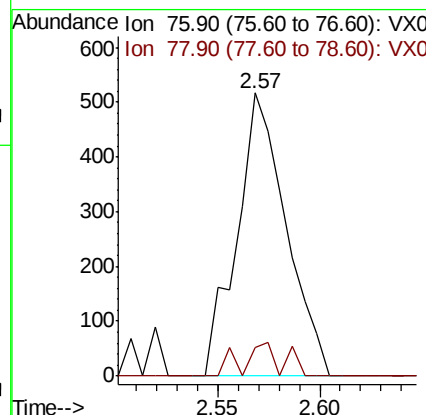
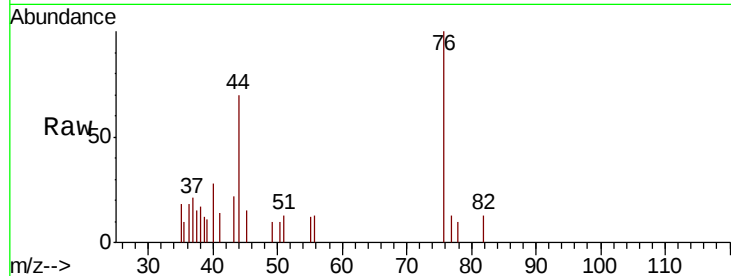




#17
Carbon Disulfide
Concen: 0.539 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009917.D
Acq: 28 May 2019 16:09

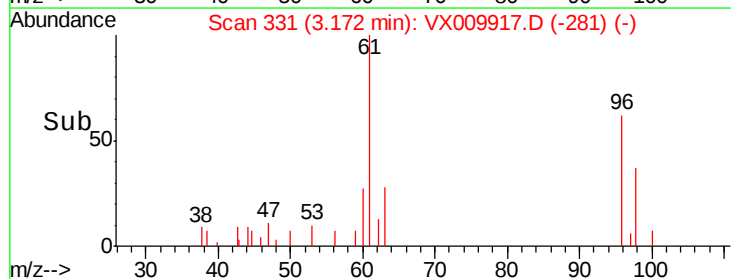
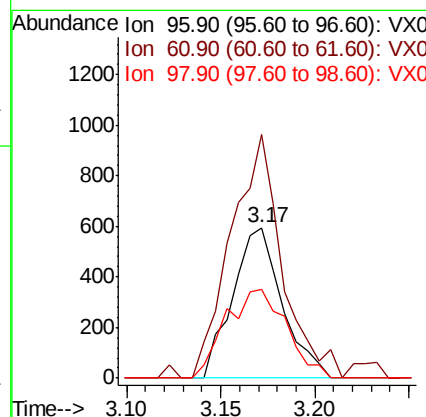
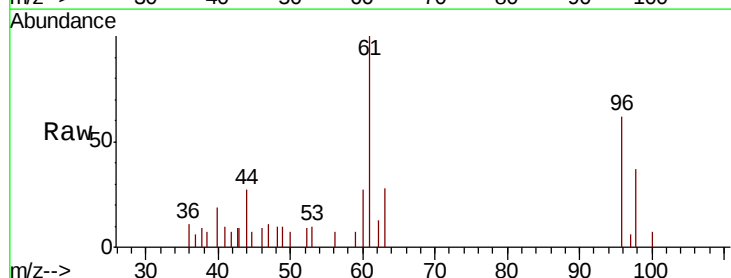
Instrument :
MSVOA_X
ClientSampleId :
S32-0653DL

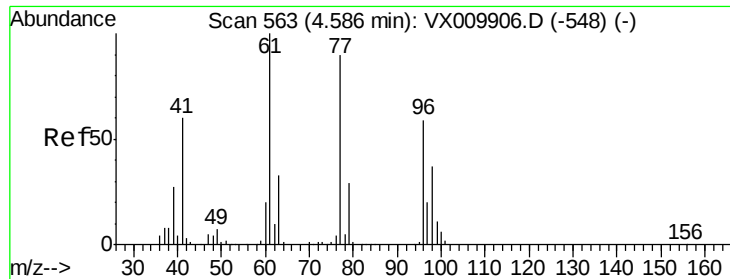
Tot Ion: 76 Resp: 864
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6



#21
trans-1,2-Dichloroethene
Concen: 0.531 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX009917.D
Acq: 28 May 2019 16:09

Tgt Ion: 96 Resp: 1085
Ion Ratio Lower Upper
96 100
61 162.1 125.7 188.5
98 59.3 49.0 73.6





#26

2,2-Dichloropropane

Concen: 0.237 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.10 min

Lab File: VX009917.D

Acq: 28 May 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

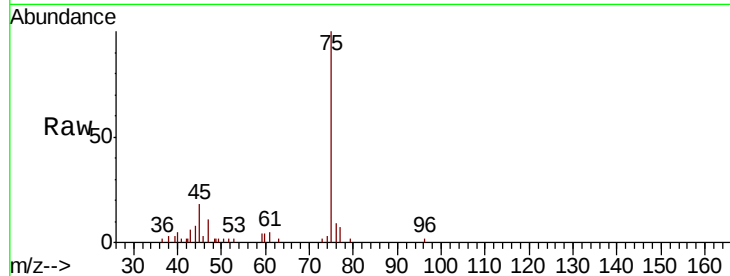
S32-0653DL

Tot Ion: 77 Resp: 739

Ion Ratio Lower Upper

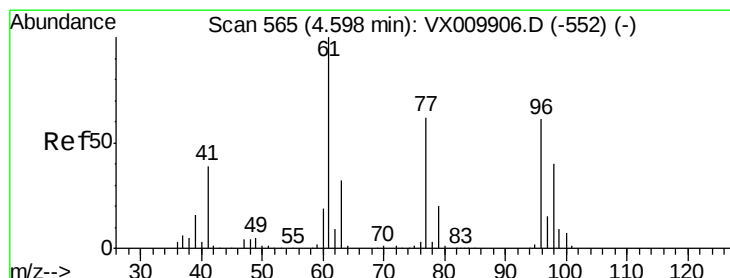
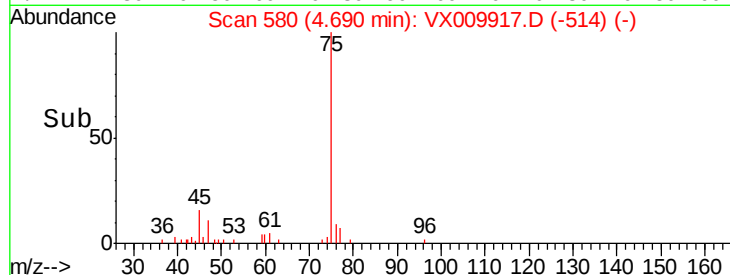
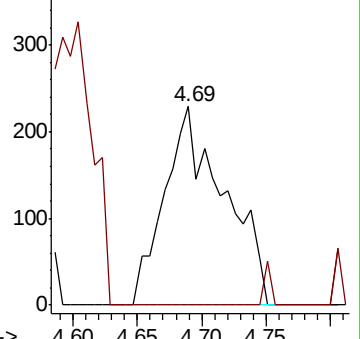
77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 8.427 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX009917.D

Acq: 28 May 2019 16:09

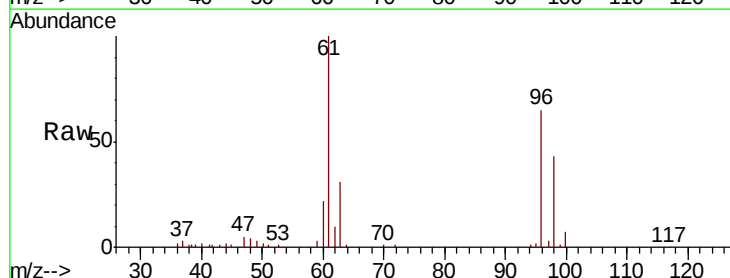
Tgt Ion: 96 Resp: 19893

Ion Ratio Lower Upper

96 100

61 148.4 0.0 334.0

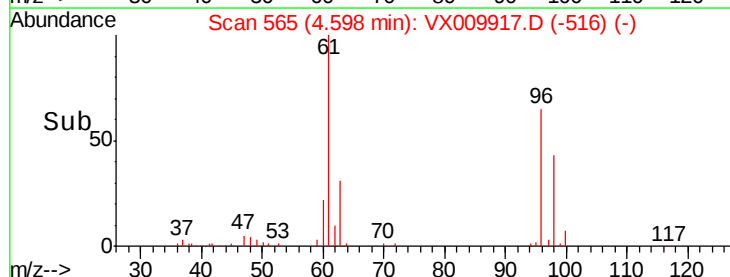
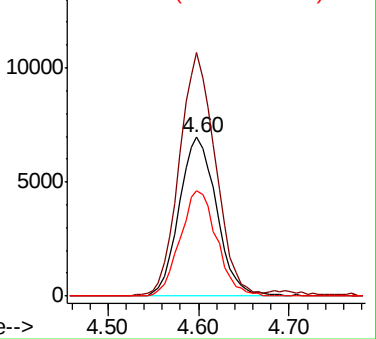
98 65.3 0.0 131.6

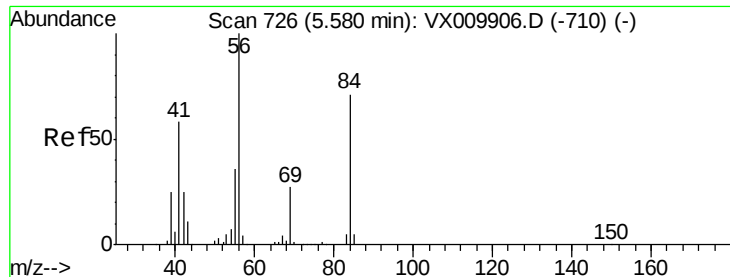


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

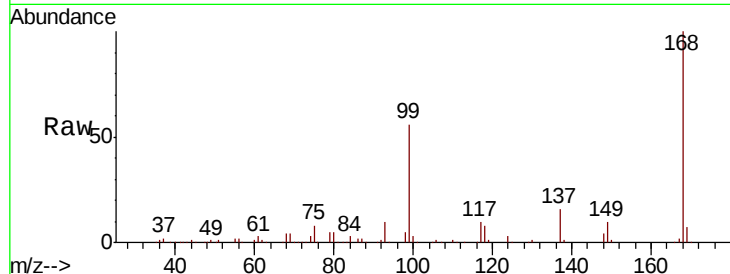




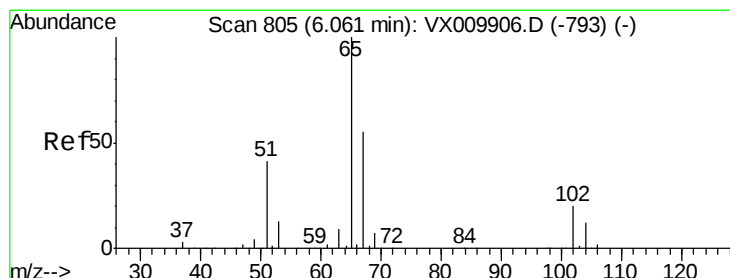
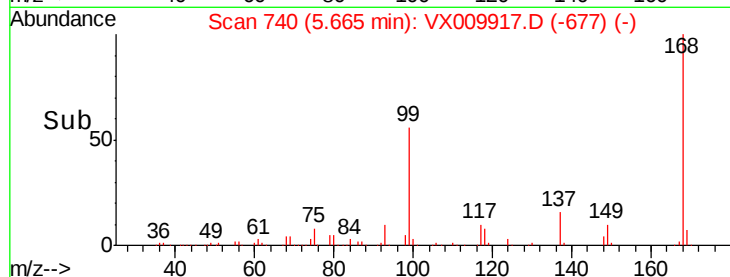
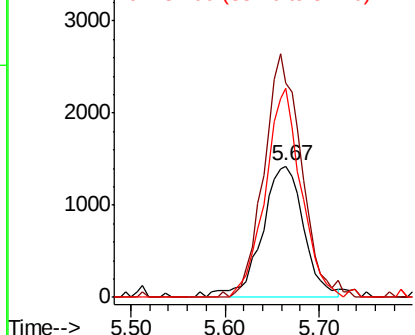
#31
Cyclohexane
Concen: 1.127 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009917.D
Acq: 28 May 2019 16:09

Instrument :
MSVOA_X
ClientSampled :
S32-0653DL

Tot Ion: 56 Resp: 4398
Ion Ratio Lower Upper
56 100
69 163.9 21.6 32.4#
84 159.1 56.8 85.2#

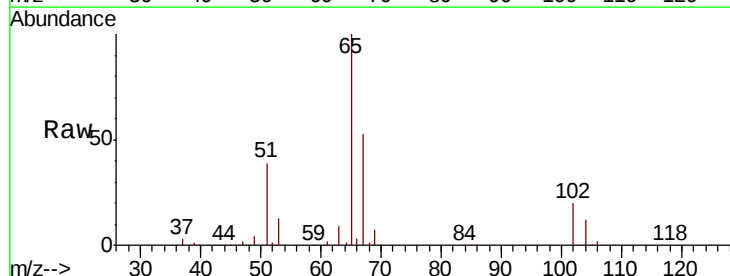


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

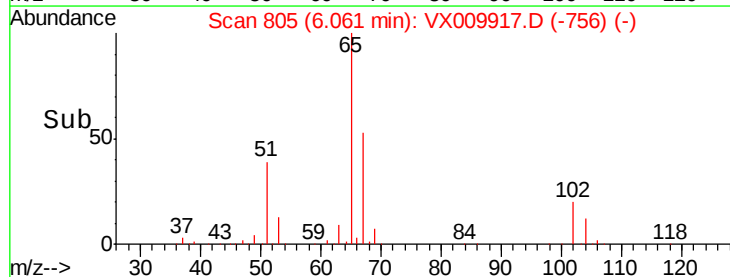
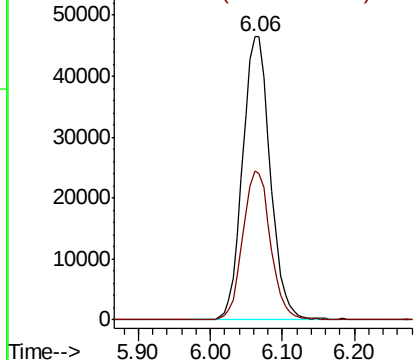


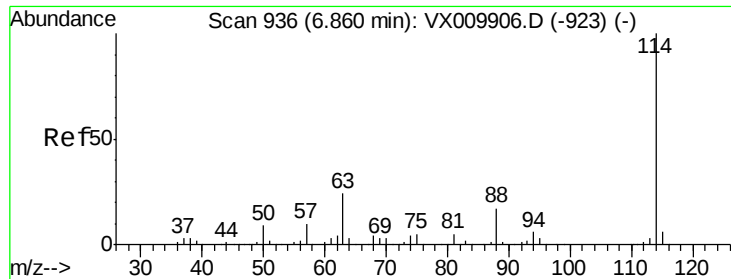
#33
1,2-Dichloroethane-d4
Concen: 48.452 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009917.D
Acq: 28 May 2019 16:09

Tgt Ion: 65 Resp: 124207
Ion Ratio Lower Upper
65 100
67 52.5 0.0 108.4



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

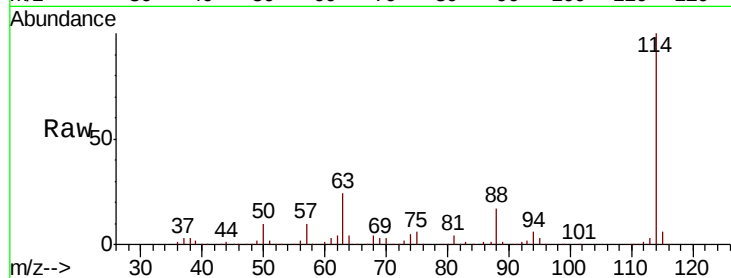




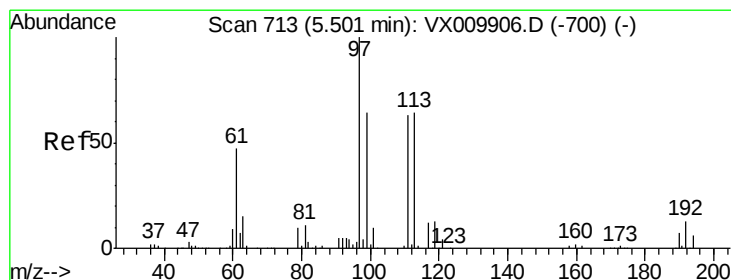
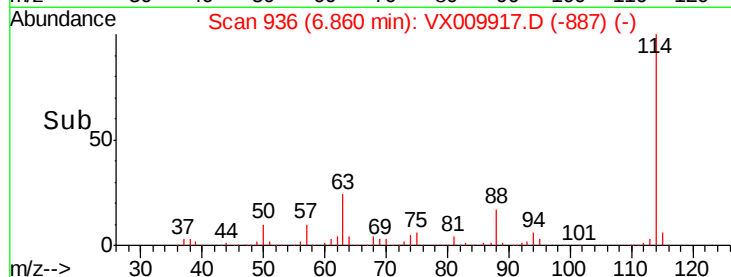
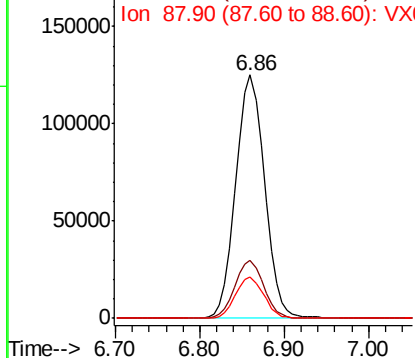
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009917.D
 Acq: 28 May 2019 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0653DL

Tot Ion:114 Resp: 289973
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 47.4
 88 16.8 0.0 33.0

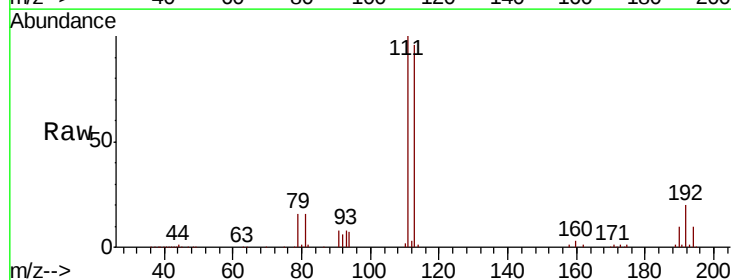


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

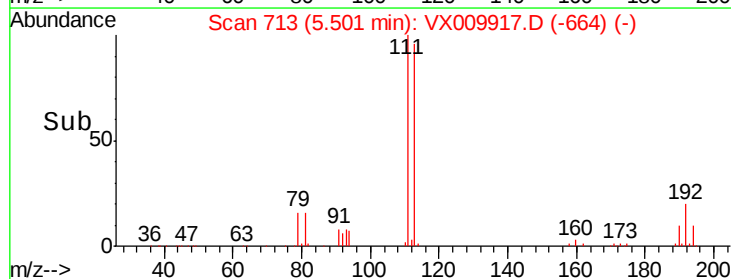
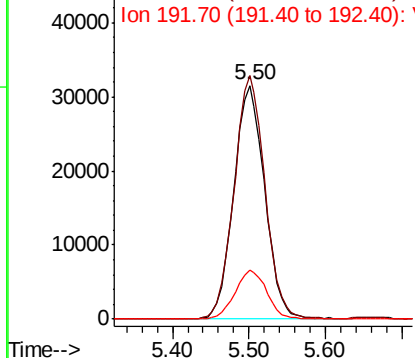


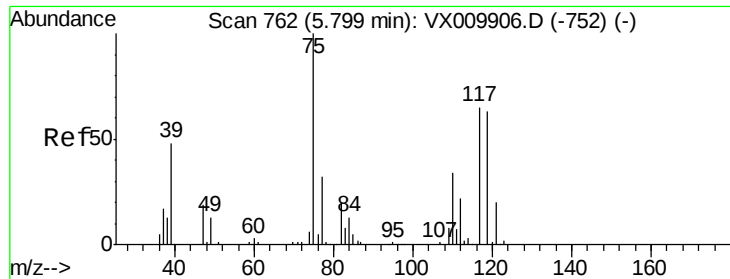
#35
 Dibromofluoromethane
 Concen: 48.665 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX009917.D
 Acq: 28 May 2019 16:09

Tgt Ion:113 Resp: 88720
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.2
 192 21.2 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: 5.051 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009917.D

Acq: 28 May 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

S32-0653DL

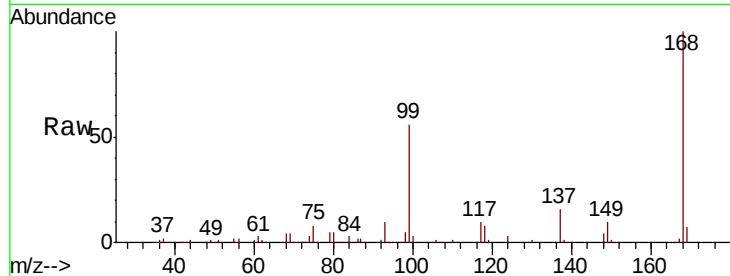
Tot Ion: 75 Resp: 14860

Ion Ratio Lower Upper

75 100

110 8.7 16.7 50.1#

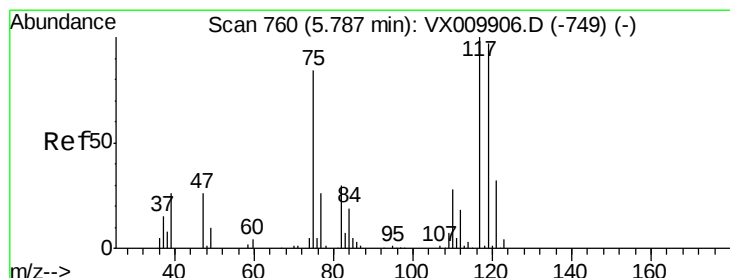
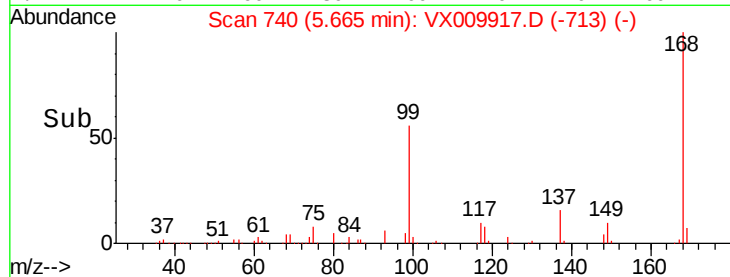
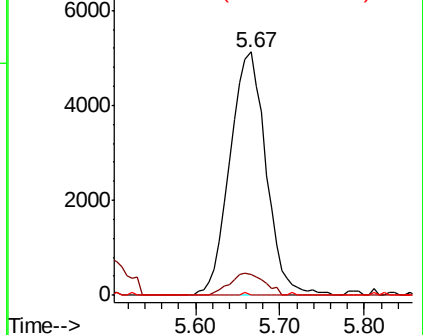
77 0.1 25.0 37.4#



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: 6.885 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009917.D

Acq: 28 May 2019 16:09

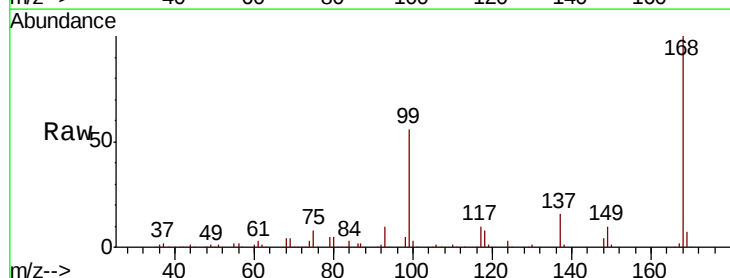
Tgt Ion: 117 Resp: 17505

Ion Ratio Lower Upper

117 100

119 5.9 77.3 115.9#

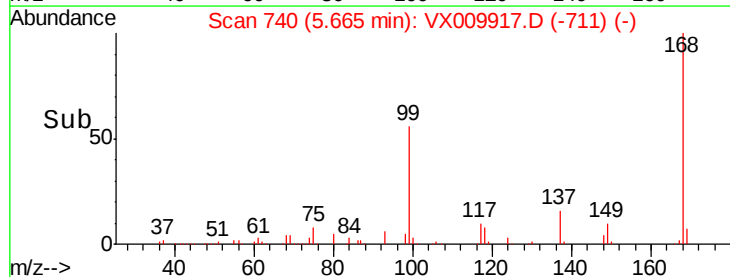
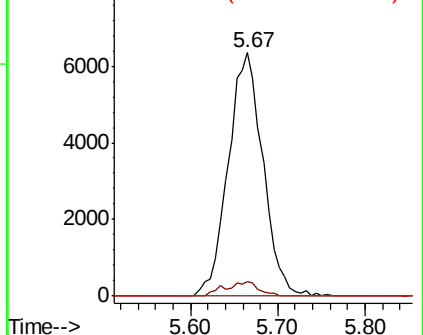
121 0.0 25.4 38.0#

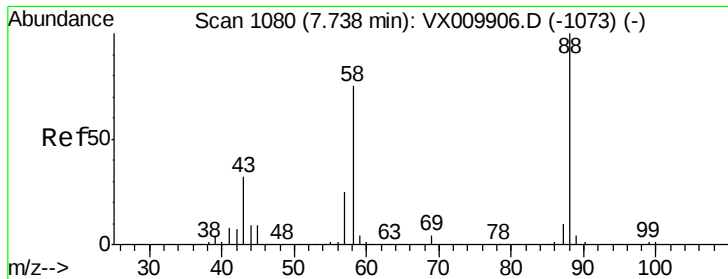


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

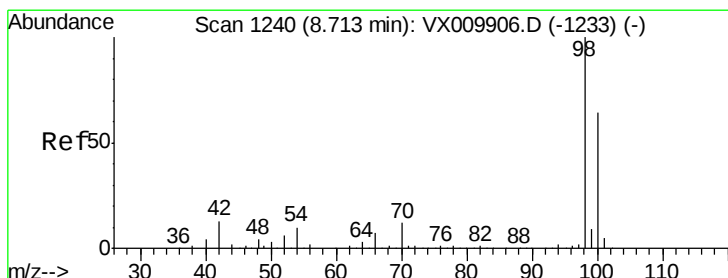
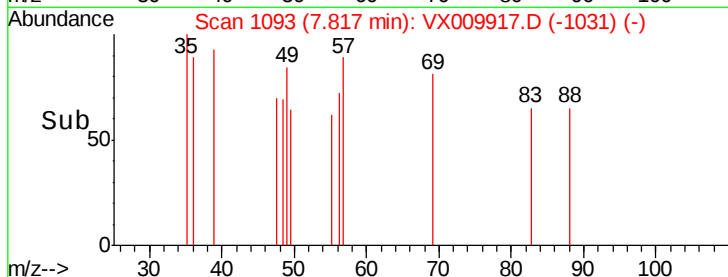
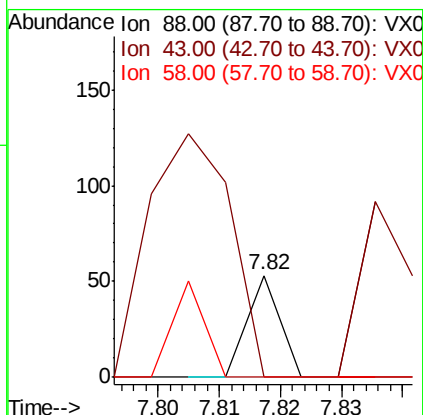
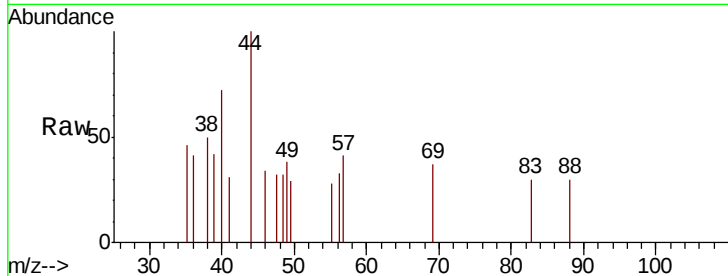




#49
 1,4-Dioxane
 Concen: 0.312 ug/l
 RT: 7.82 min Scan# 1093
 Delta R.T. 0.08 min
 Lab File: VX009917.D
 Acq: 28 May 2019 16:09

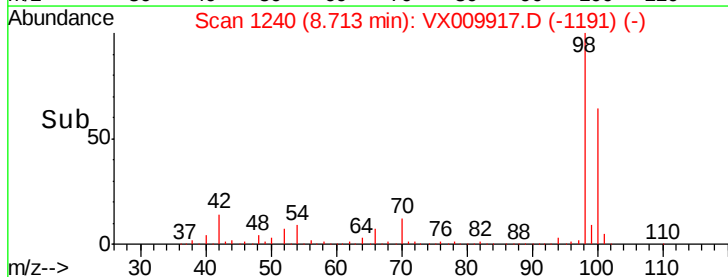
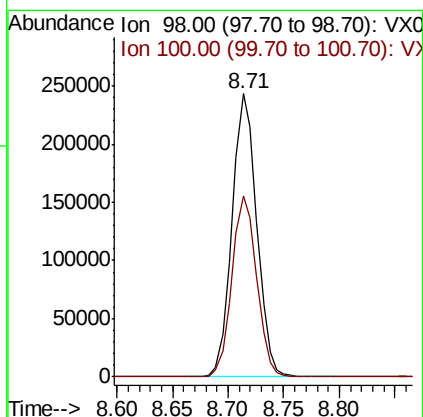
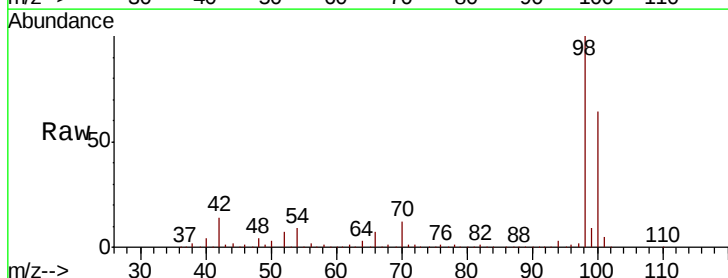
Instrument :
 MSVOA_X
 ClientSampleID :
 S32-0653DL

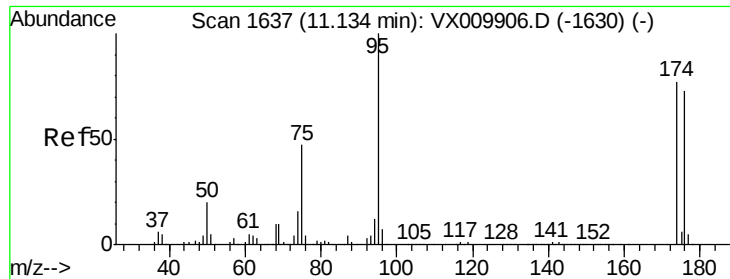
Tot Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 626.3 30.2 45.4#
 58 94.7 64.0 96.0



#50
 Toluene-d8
 Concen: 50.509 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009917.D
 Acq: 28 May 2019 16:09

Tgt Ion: 98 Resp: 373921
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 48.004 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009917.D

Acq: 28 May 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

S32-0653DL

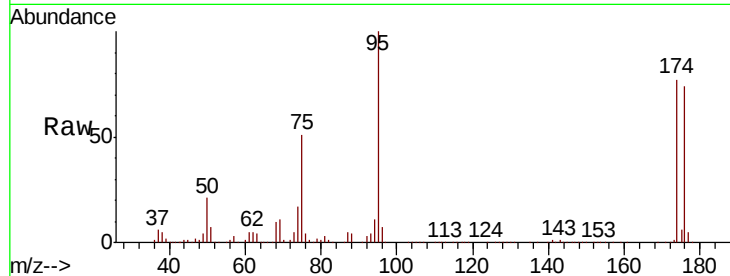
Tot Ion: 95 Resp: 127646

Ion Ratio Lower Upper

95 100

174 80.5 0.0 160.4

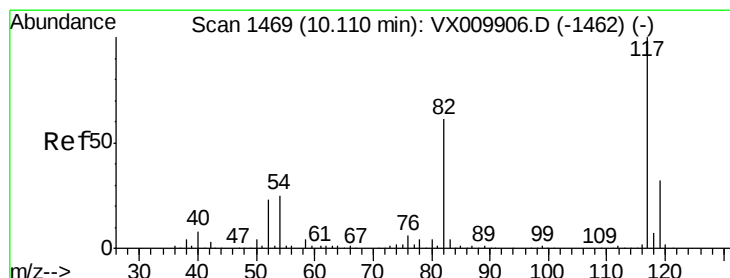
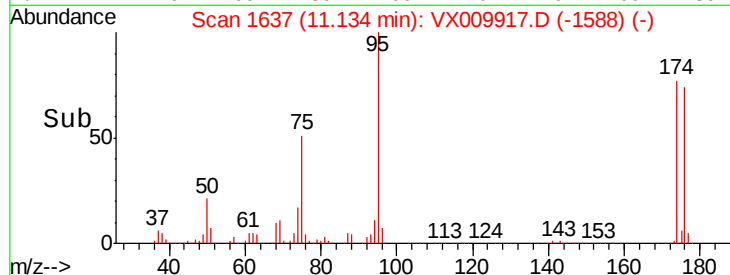
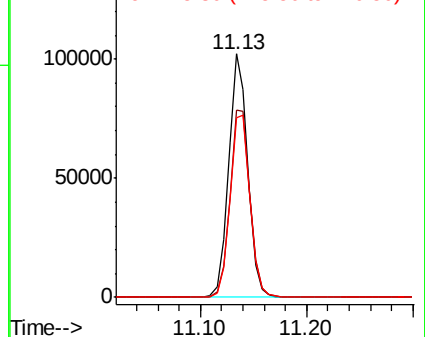
176 78.5 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX009917.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009917.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009917.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009917.D

Acq: 28 May 2019 16:09

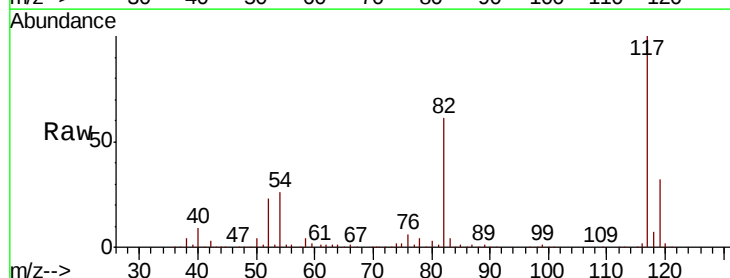
Tgt Ion: 117 Resp: 263270

Ion Ratio Lower Upper

117 100

82 60.9 49.2 73.8

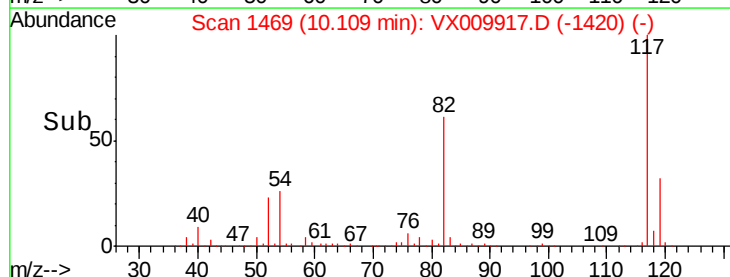
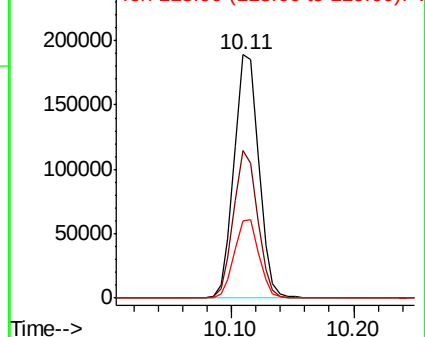
119 31.9 25.2 37.8

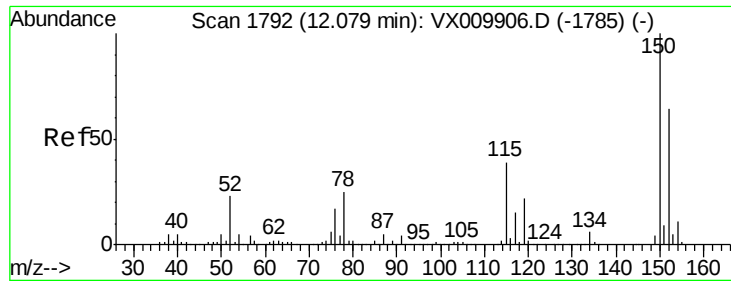


Abundance Ion 116.90 (116.60 to 117.60): VX009917.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009917.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009917.D (-1420) (-)



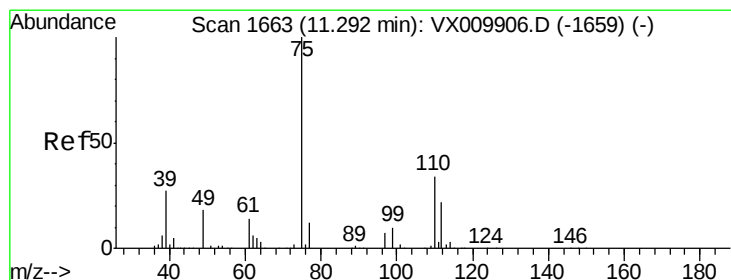
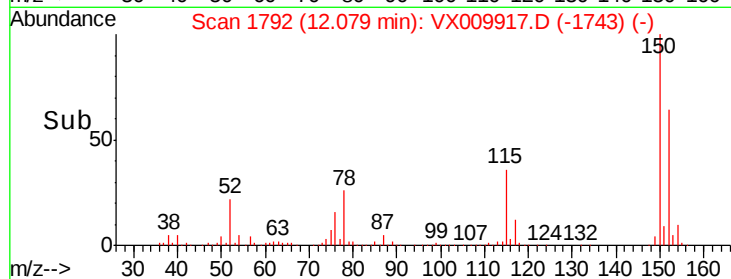
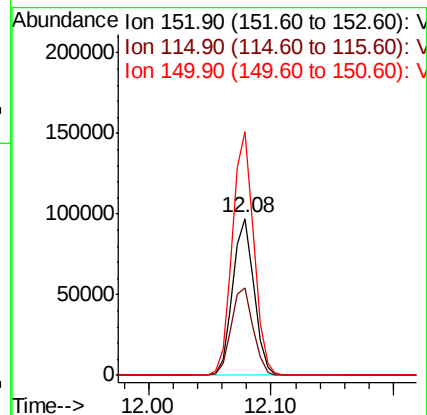
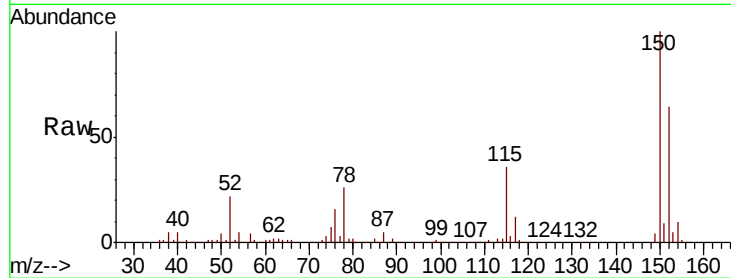


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009917.D
Acq: 28 May 2019 16:09

Instrument :
MSVOA_X
ClientSampled :
S32-0653DL

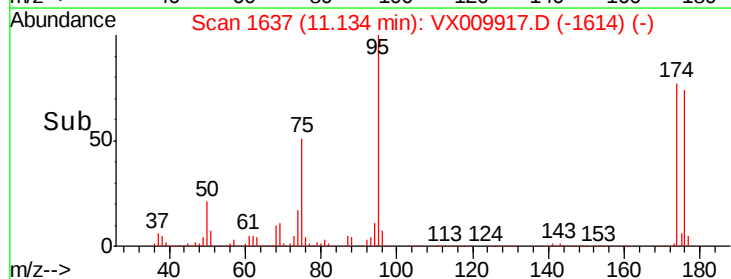
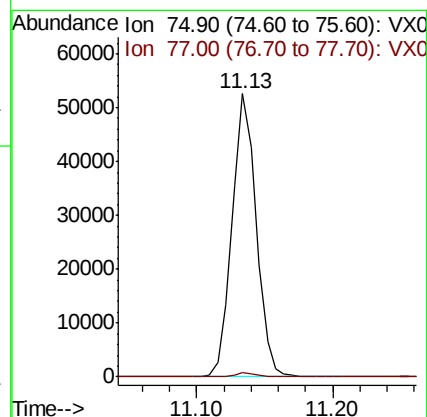
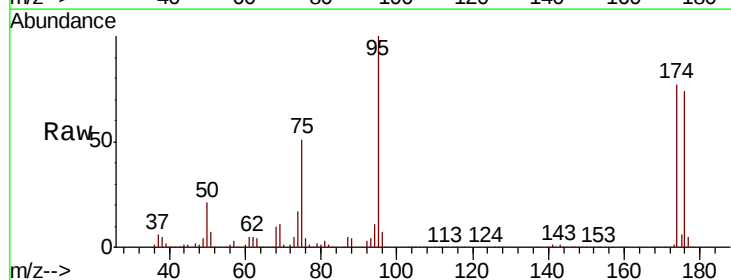
Tot Ion:152 Resp: 116398
Ion Ratio Lower Upper
152 100
115 57.9 41.4 124.2
150 155.8 0.0 345.2

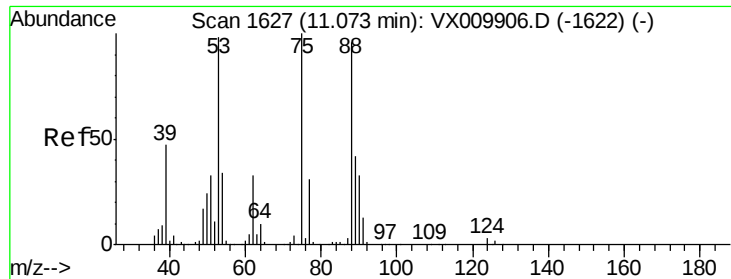


#76

1,2,3-Trichloropropane
Concen: 23.367 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009917.D
Acq: 28 May 2019 16:09

Tgt Ion: 75 Resp: 65041
Ion Ratio Lower Upper
75 100
77 1.4 22.1 66.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 57.814 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009917.D

Acq: 28 May 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

S32-0653DL

Tot Ion: 75 Resp: 65041

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#

