

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX051420\
 Data File : VX016239.D
 Acq On : 14 May 2020 18:17
 Operator : JC/SP
 Sample : L2643-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-DUP-0557-200513

Quant Time: May 15 01:35:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	240045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	395573	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	397524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206101	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	146797	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	5.47	113	118742	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
50) Toluene-d8	8.70	98	493834	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.12	95	200100	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	

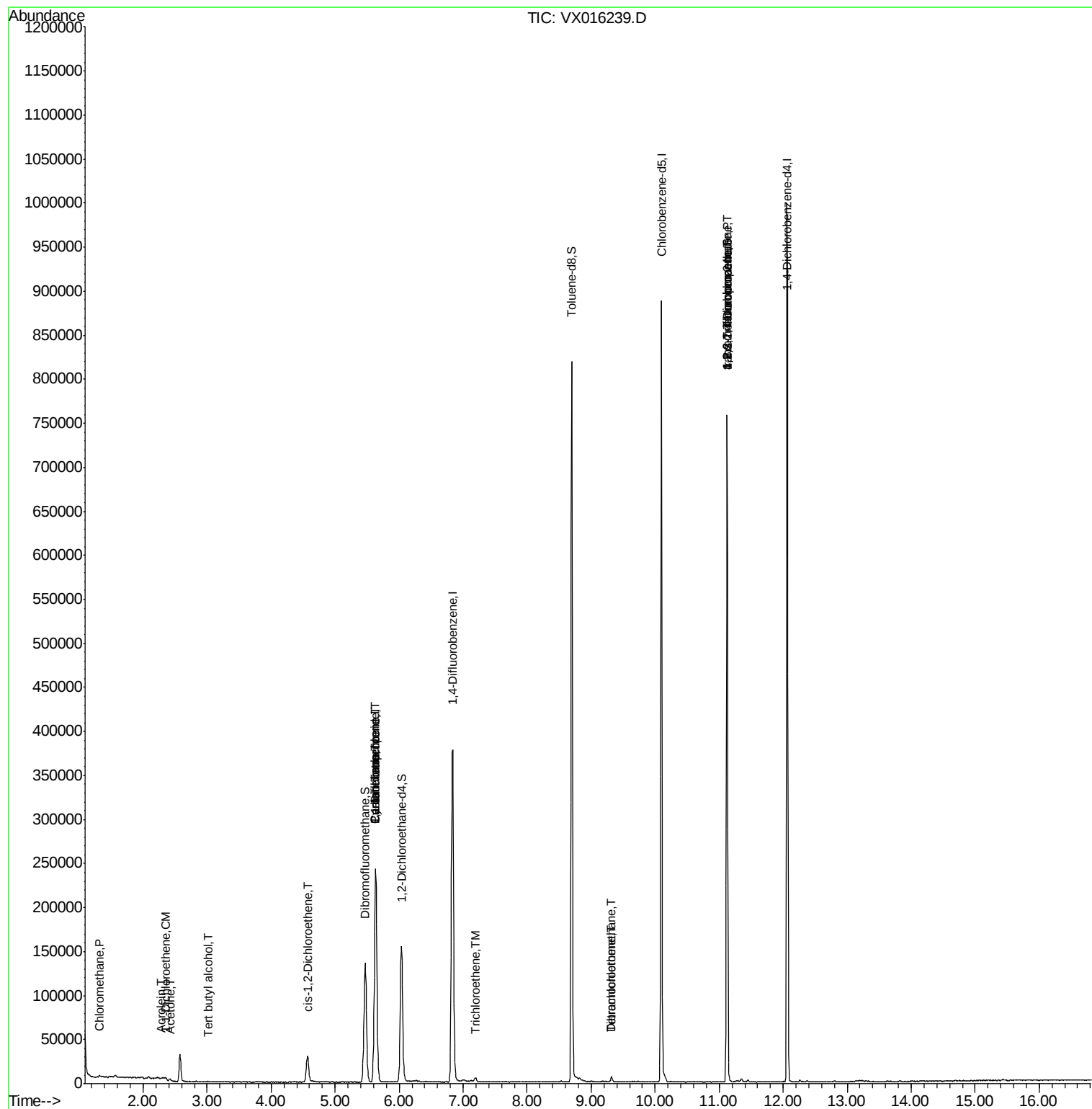
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	891	0.30	ug/l	99
11) Tert butyl alcohol	3.02	59	280	0.35	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	968	0.39	ug/l	87
13) Acrolein	2.28	56	285	0.57	ug/l #	49
16) Acetone	2.42	43	2872	2.04	ug/l	96
17) Carbon Disulfide	2.55	76	1344	Below Cal	#	92
27) cis-1,2-Dichloroethene	4.57	96	19703	6.48	ug/l	86
31) Cyclohexane	5.63	56	4578	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17722	4.55	ug/l #	50
38) Carbon Tetrachloride	5.63	117	23488	5.93	ug/l #	14
44) Trichloroethene	7.19	130	1415	0.35	ug/l	97
60) Dibromochloromethane	9.32	129	849	0.28	ug/l #	11
64) Tetrachloroethene	9.32	164	981	0.20	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	11.12	83	209	2.12	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	98503	21.06	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	98503	50.19	ug/l #	13

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
Data File : VX016239.D
Acq On : 14 May 2020 18:17
Operator : JC/SP
Sample : L2643-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z4-DUP-0557-200513

Quant Time: May 15 01:35:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

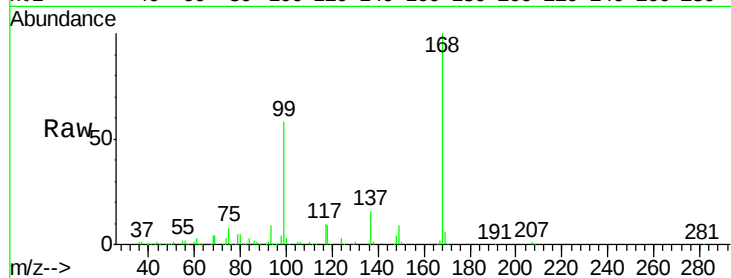
Z4-DUP-0557-200513

Tgt Ion:168 Resp: 240045

Ion Ratio Lower Upper

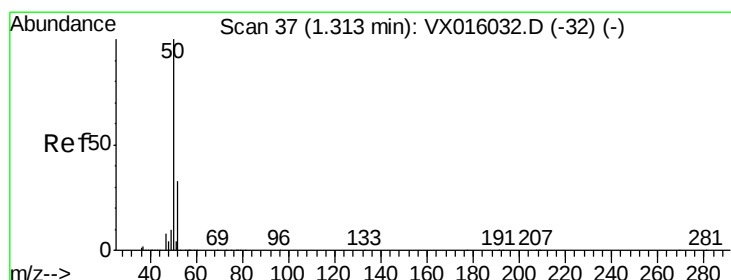
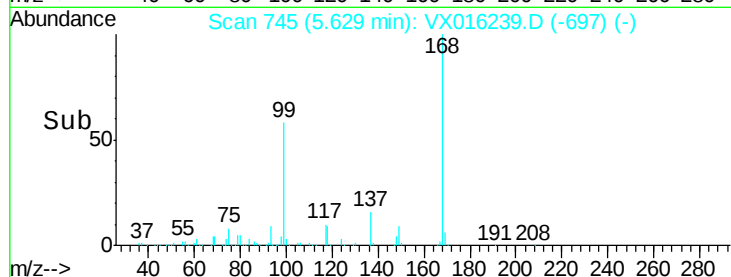
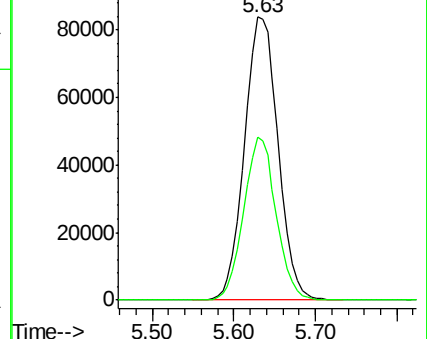
168 100

99 57.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.30 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016239.D

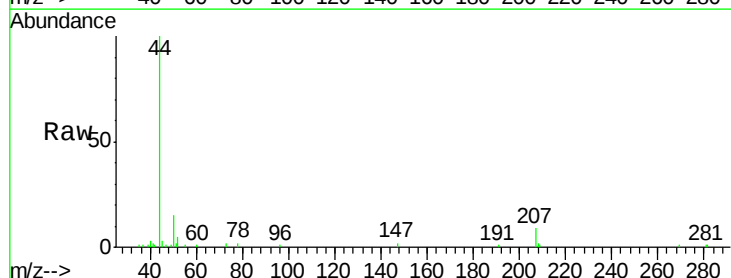
Acq: 14 May 2020 18:17

Tgt Ion: 50 Resp: 891

Ion Ratio Lower Upper

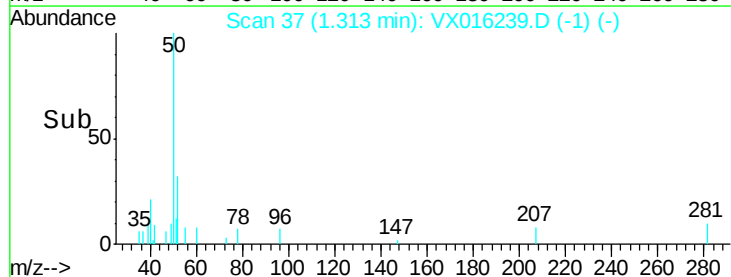
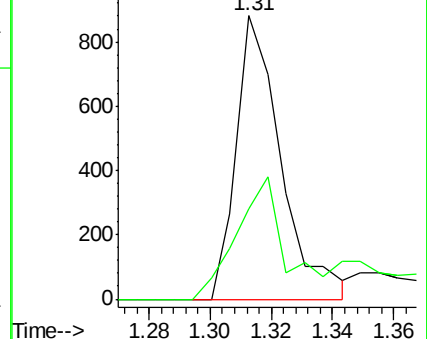
50 100

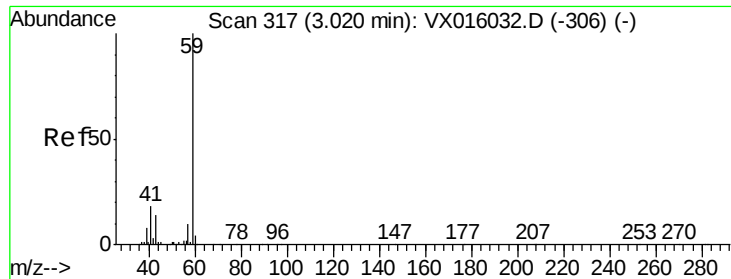
52 31.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

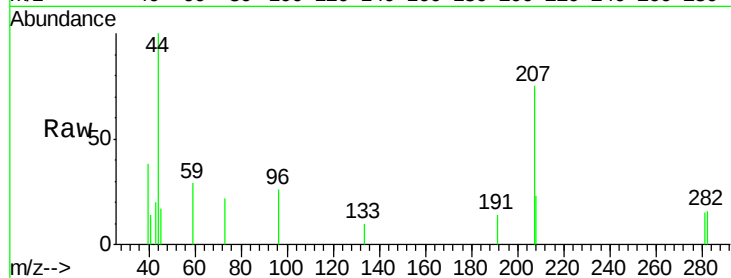




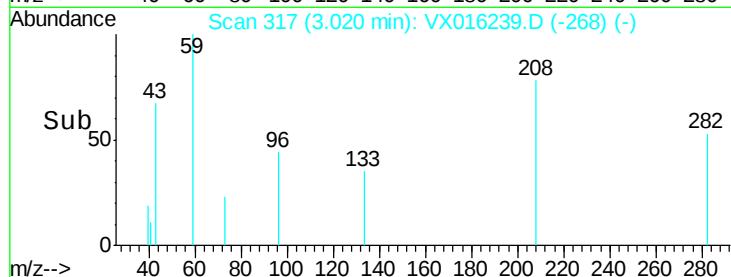
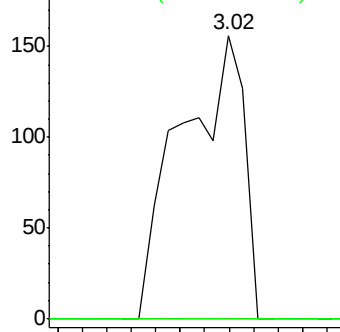
#11
Tert butyl alcohol
Concen: 0.35 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016239.D
Acq: 14 May 2020 18:17

Instrument :
MSVOA_X
ClientSampleId :
Z4-DUP-0557-200513

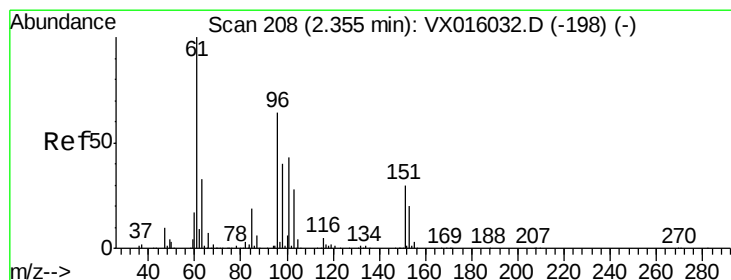
Tgt Ion: 59 Resp: 280
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



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

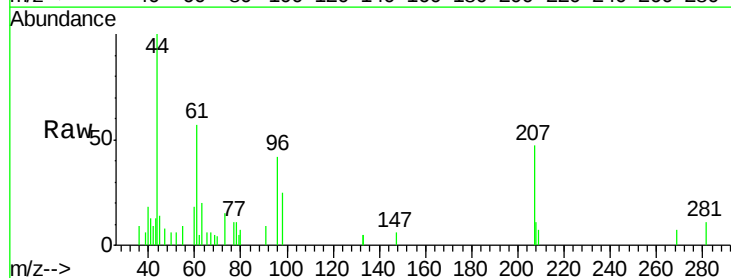


Time-->

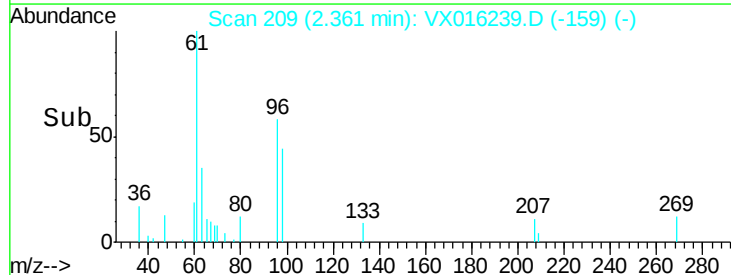
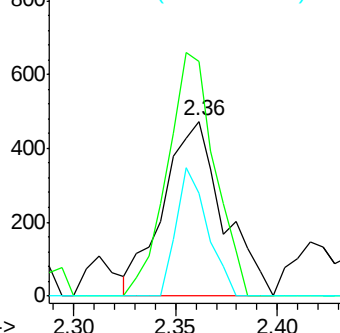


#12
1,1-Dichloroethene
Concen: 0.39 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX016239.D
Acq: 14 May 2020 18:17

Tgt Ion: 96 Resp: 968
Ion Ratio Lower Upper
96 100
61 134.2 124.8 187.2
98 58.4 49.7 74.5



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



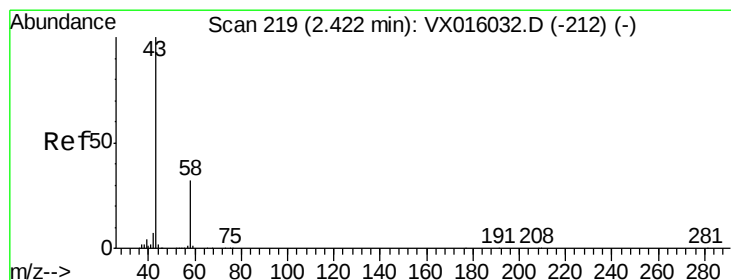
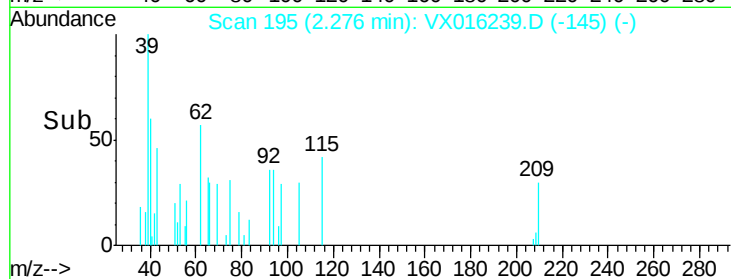
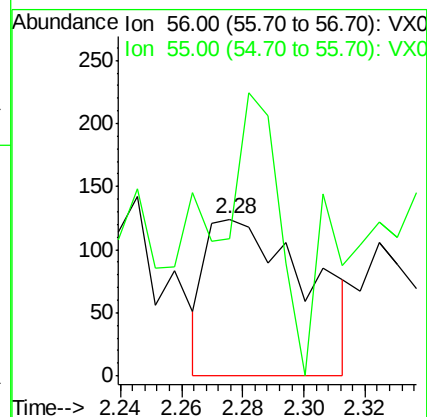
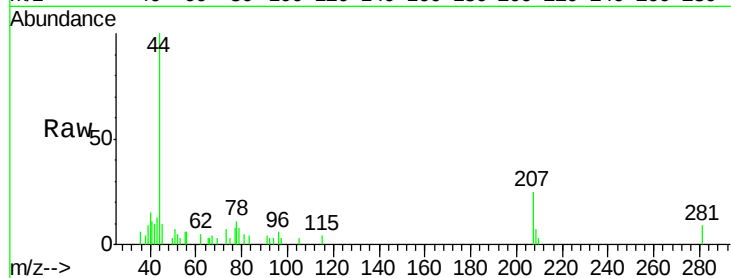
Time-->



#13
Acrolein
Concen: 0.57 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016239.D
Acq: 14 May 2020 18:17

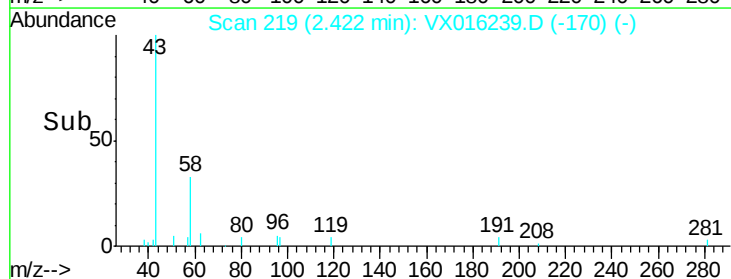
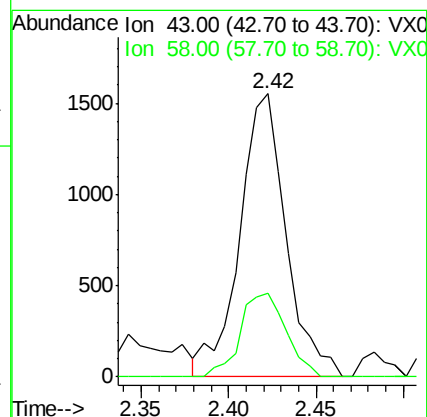
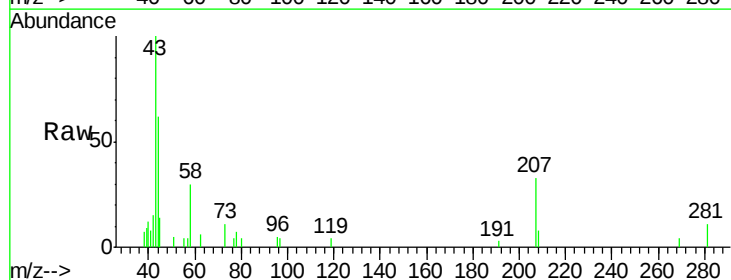
Instrument :
MSVOA_X
ClientSampleId :
Z4-DUP-0557-200513

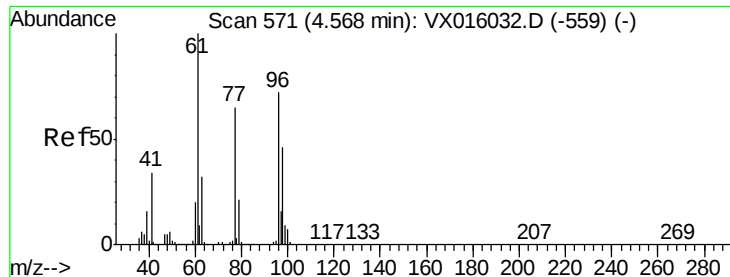
Tgt Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
55 113.0 56.5 84.7#



#16
Acetone
Concen: 2.04 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX016239.D
Acq: 14 May 2020 18:17

Tgt Ion: 43 Resp: 2872
Ion Ratio Lower Upper
43 100
58 29.6 25.4 38.0





#27

cis-1,2-Dichloroethene

Concen: 6.48 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0557-200513

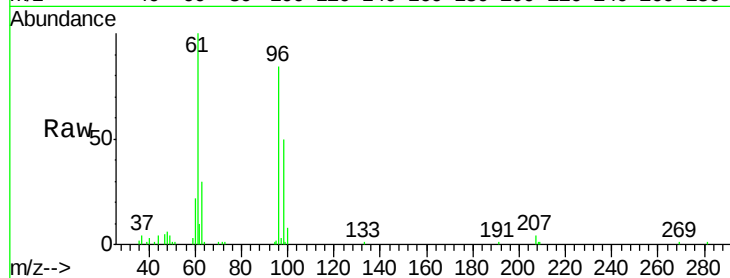
Tgt Ion: 96 Resp: 19703

Ion Ratio Lower Upper

96 100

61 123.5 0.0 296.2

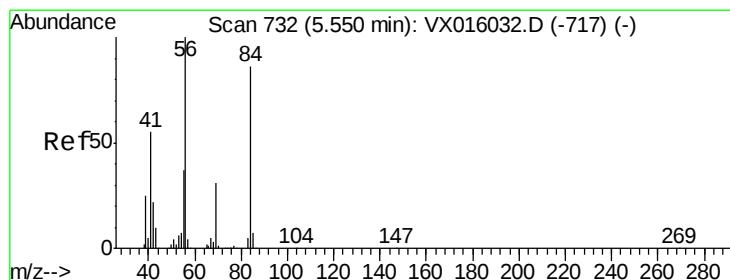
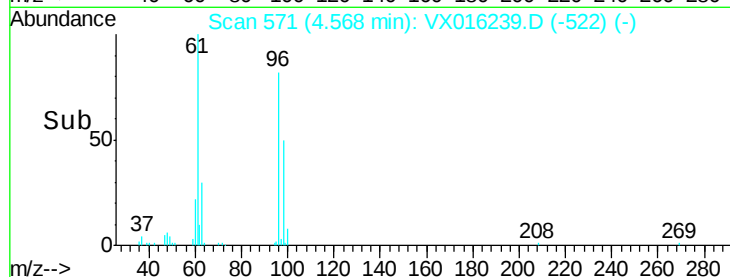
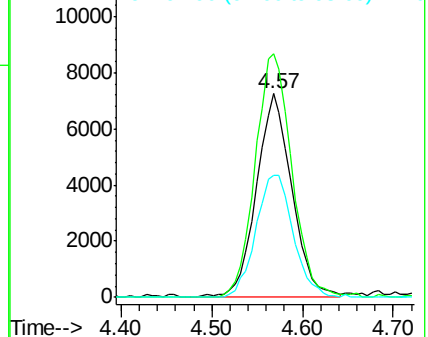
98 62.8 0.0 129.4



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: 1.04 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

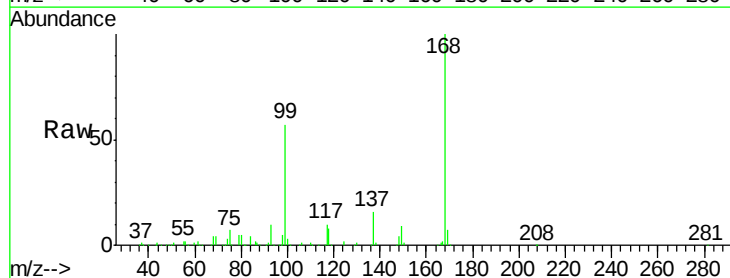
Tgt Ion: 56 Resp: 4578

Ion Ratio Lower Upper

56 100

69 188.7 25.0 37.6#

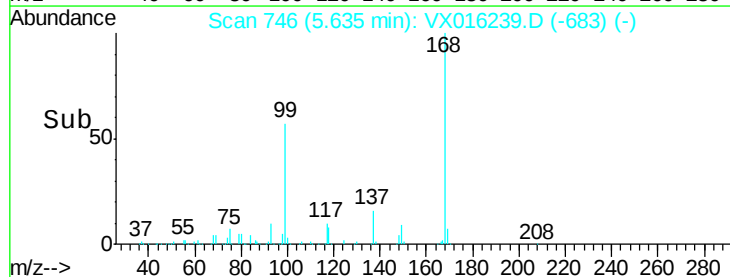
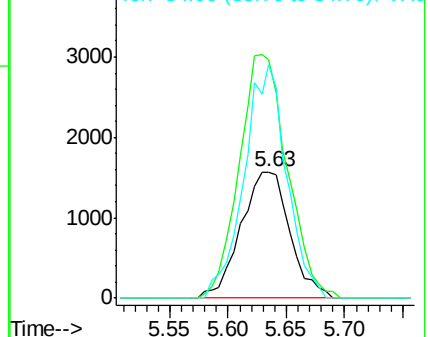
84 185.2 69.0 103.6#

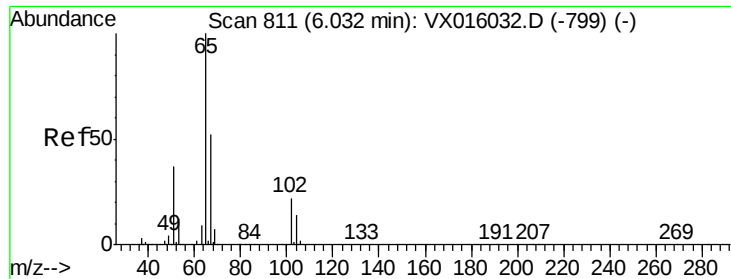


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.47 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

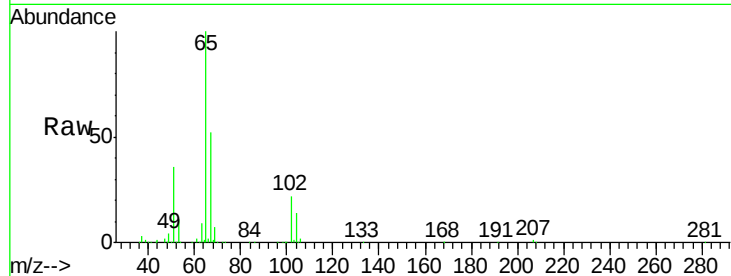
Z4-DUP-0557-200513

Tgt Ion: 65 Resp: 146797

Ion Ratio Lower Upper

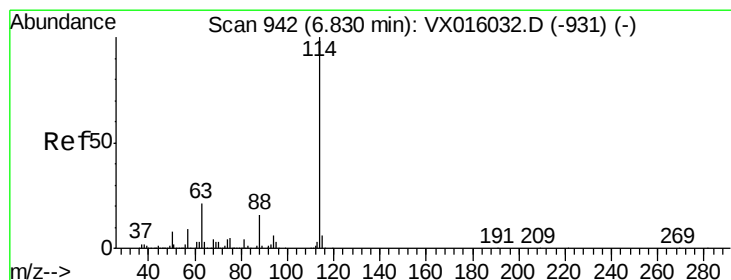
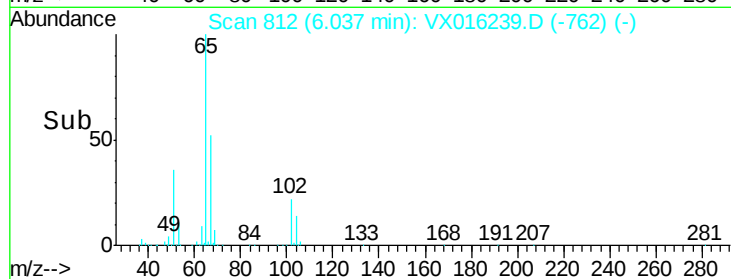
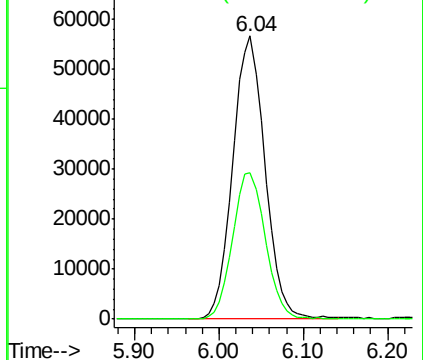
65 100

67 52.9 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

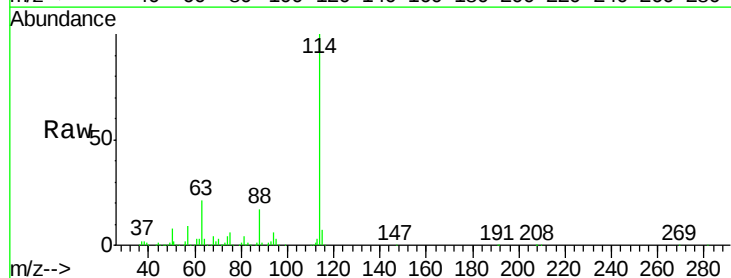
Tgt Ion: 114 Resp: 395573

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

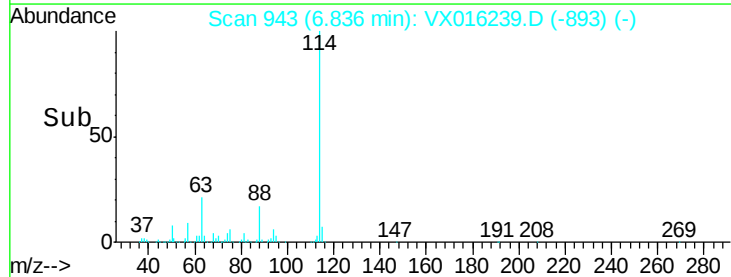
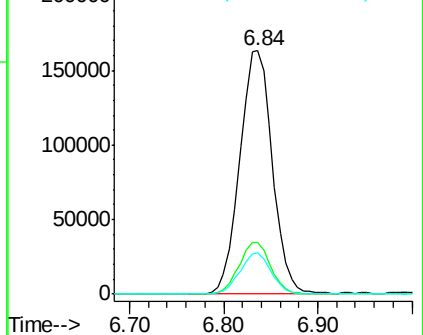
88 17.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.38 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0557-200513

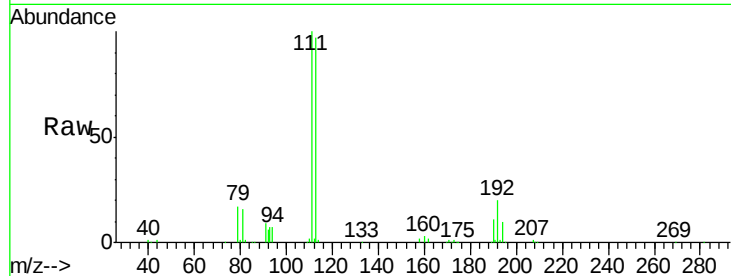
Tgt Ion:113 Resp: 118742

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

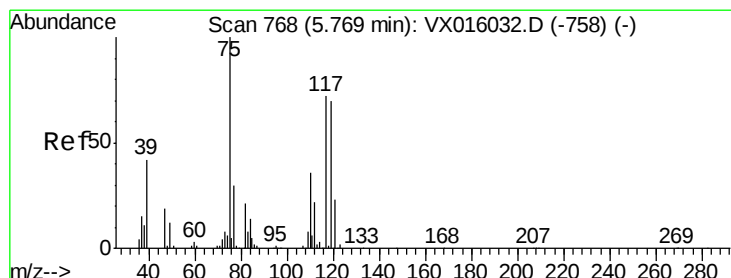
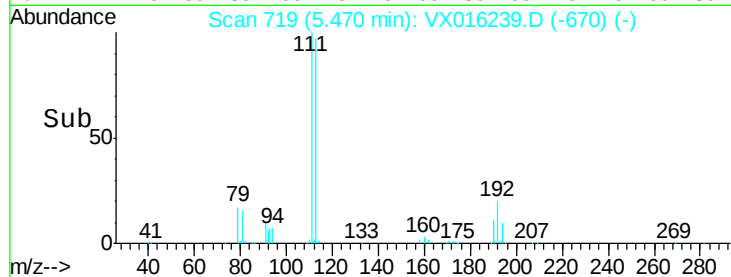
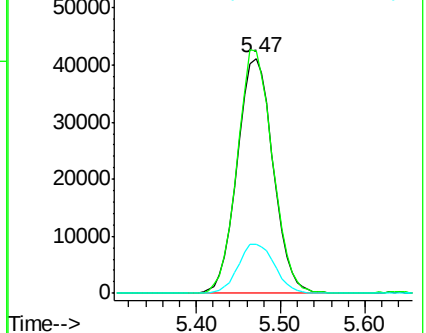
192 21.5 17.0 25.4



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: 4.55 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

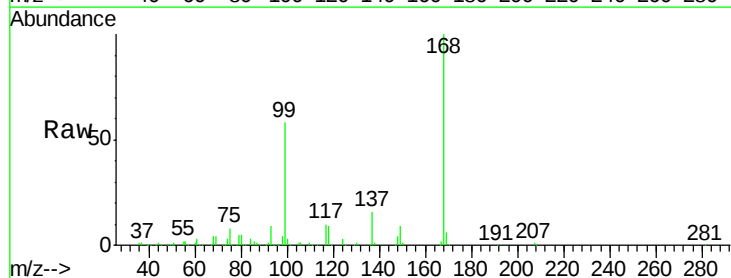
Tgt Ion: 75 Resp: 17722

Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.1#

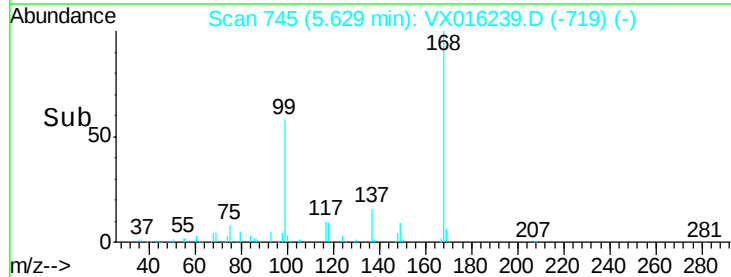
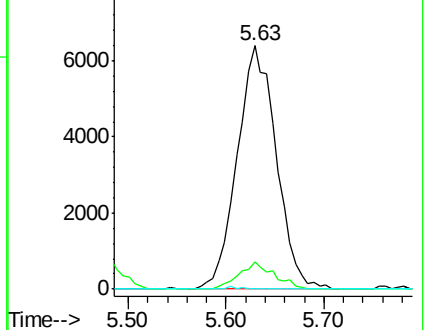
77 0.0 25.0 37.6#

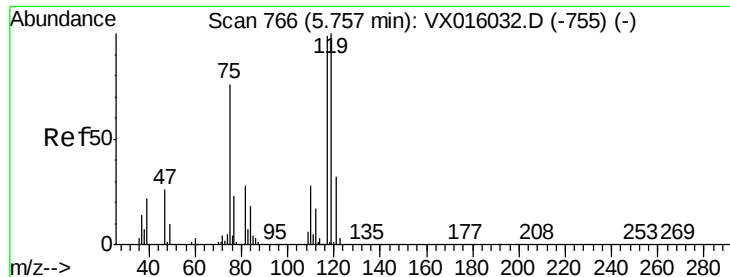


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.93 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0557-200513

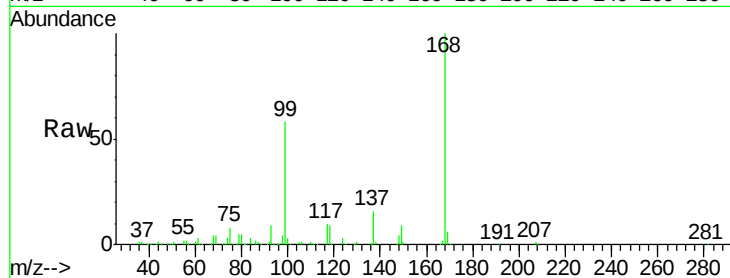
Tgt Ion:117 Resp: 23488

Ion Ratio Lower Upper

117 100

119 4.5 80.3 120.5#

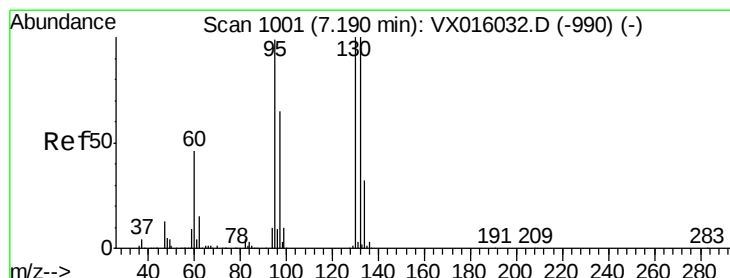
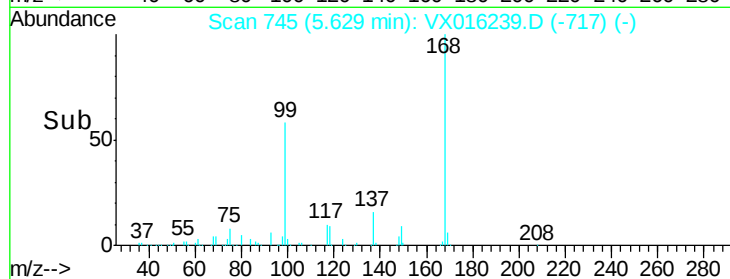
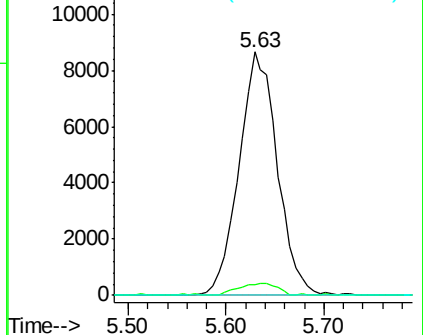
121 0.0 25.7 38.5#



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



#44

Trichloroethene

Concen: 0.35 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016239.D

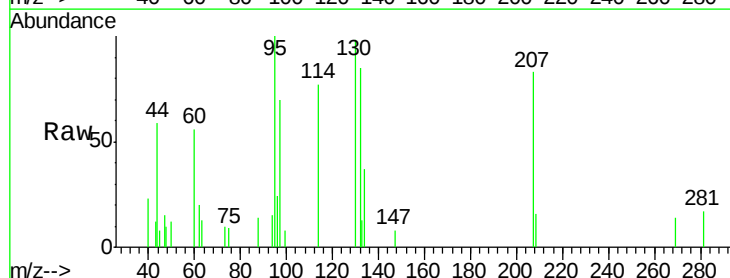
Acq: 14 May 2020 18:17

Tgt Ion:130 Resp: 1415

Ion Ratio Lower Upper

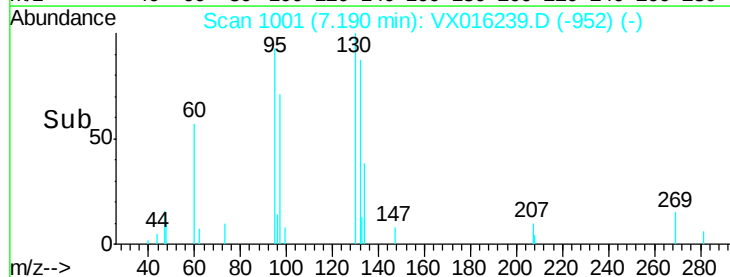
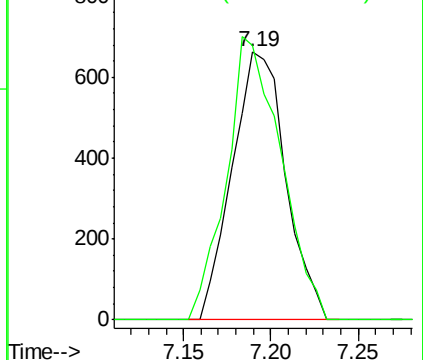
130 100

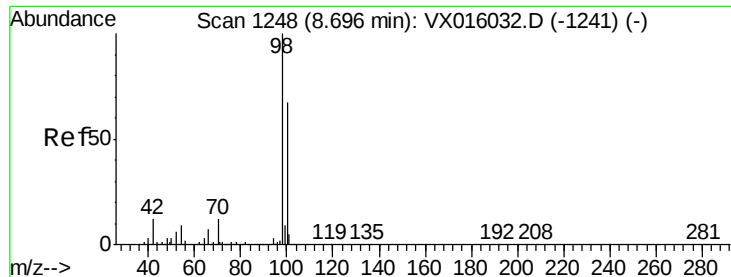
95 102.1 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.14 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

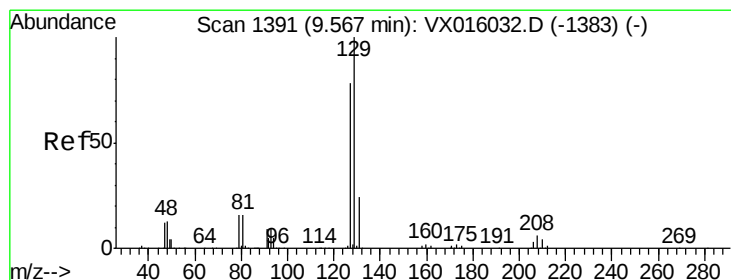
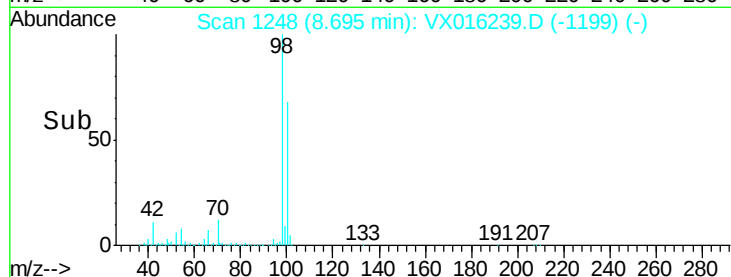
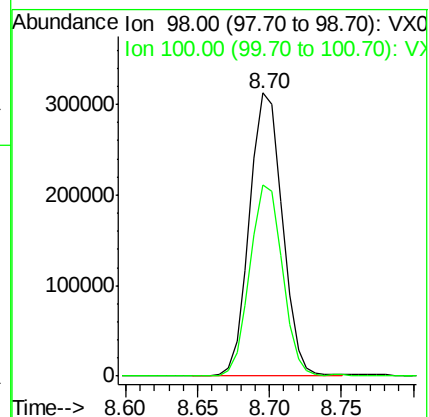
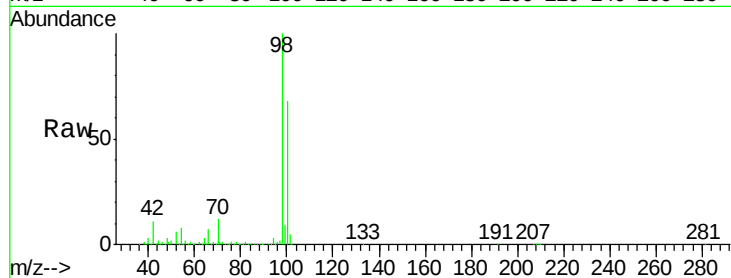
Z4-DUP-0557-200513

Tgt Ion: 98 Resp: 493834

Ion Ratio Lower Upper

98 100

100 67.6 53.7 80.5



#60

Dibromochloromethane

Concen: 0.28 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016239.D

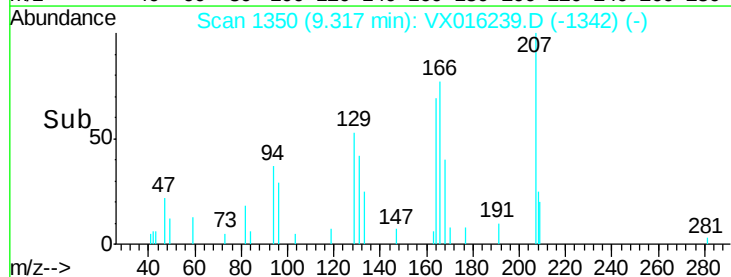
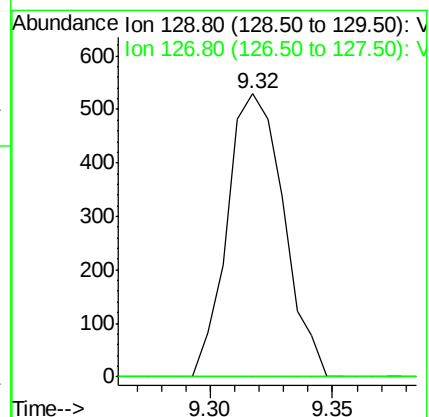
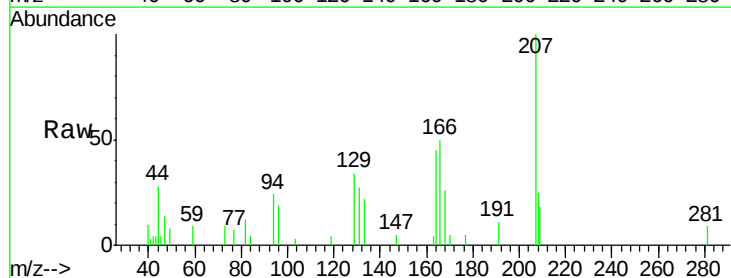
Acq: 14 May 2020 18:17

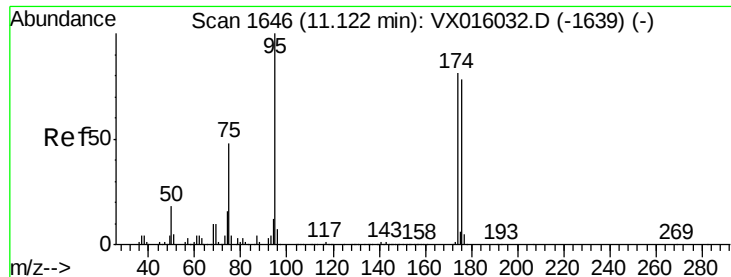
Tgt Ion: 129 Resp: 849

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 54.48 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0557-200513

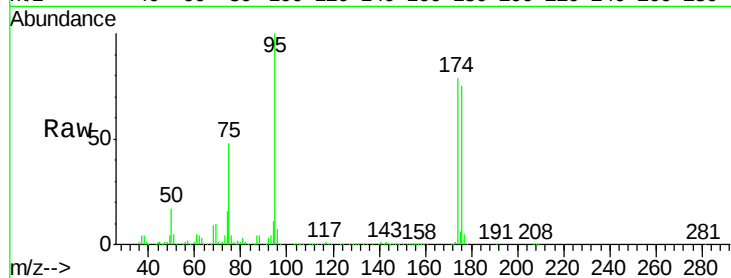
Tgt Ion: 95 Resp: 200100

Ion Ratio Lower Upper

95 100

174 82.0 0.0 159.4

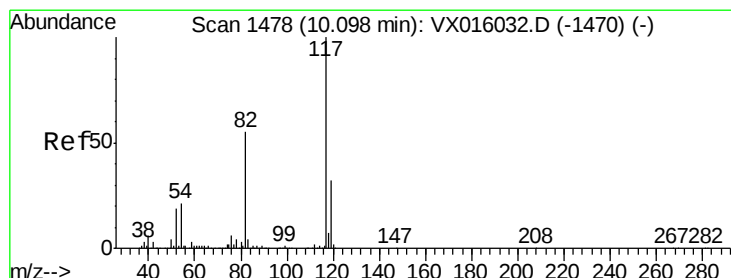
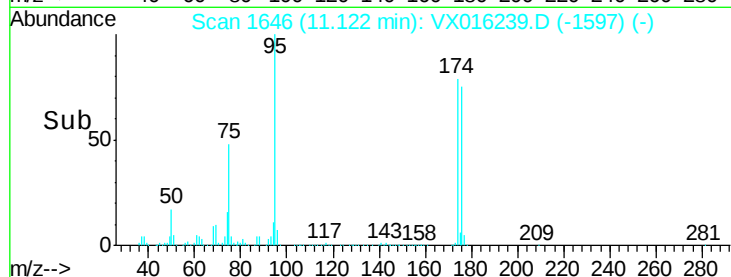
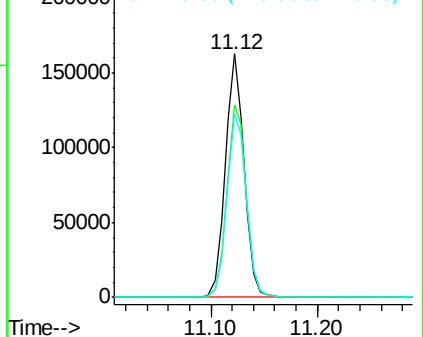
176 77.9 0.0 157.6



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: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

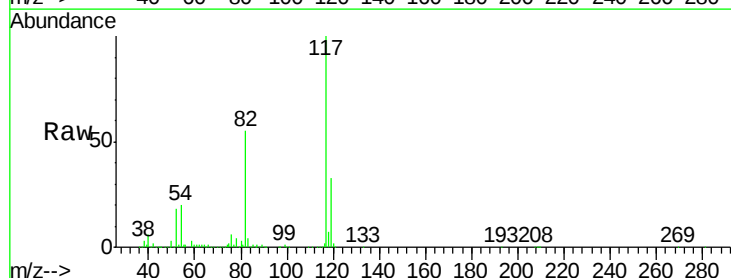
Tgt Ion: 117 Resp: 397524

Ion Ratio Lower Upper

117 100

82 55.4 44.4 66.6

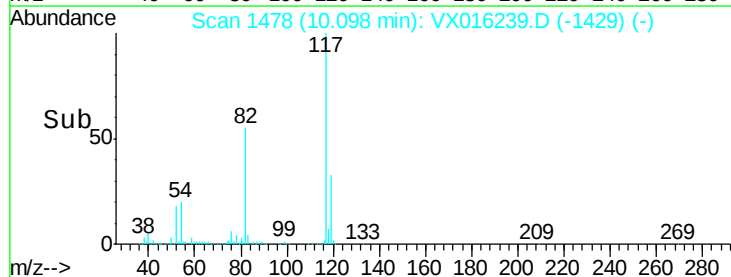
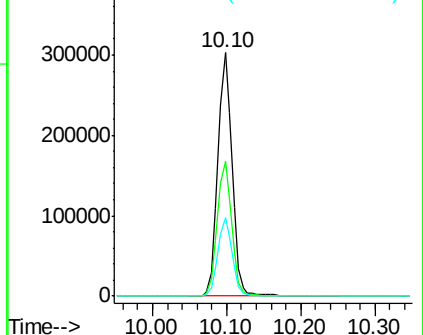
119 32.5 25.5 38.3

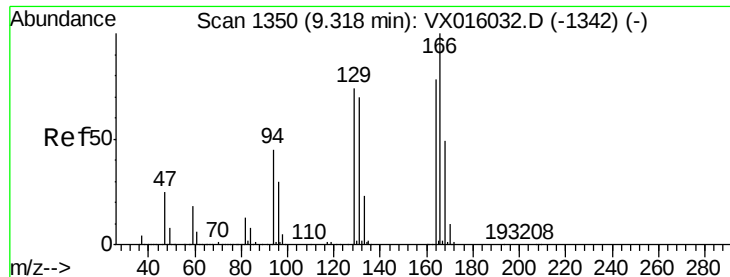


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.20 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0557-200513

Tgt Ion:164 Resp: 981

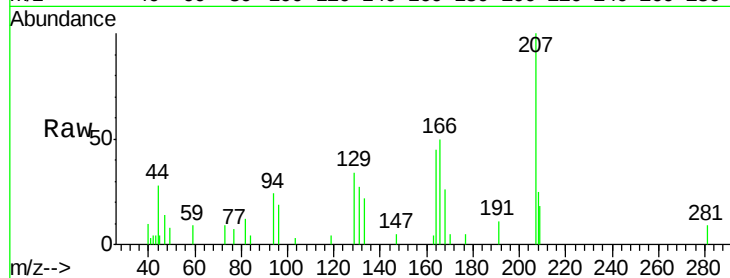
Ion Ratio Lower Upper

164 100

166 111.0 102.9 154.3

129 76.3 76.1 114.1

131 60.8 71.9 107.9#

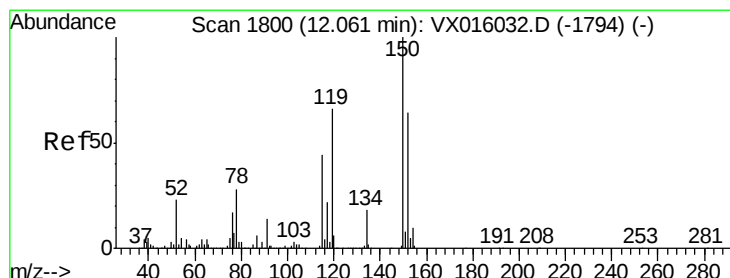
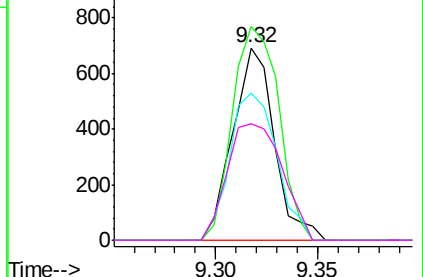
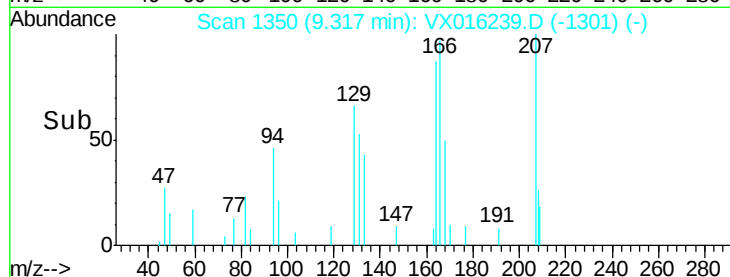


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

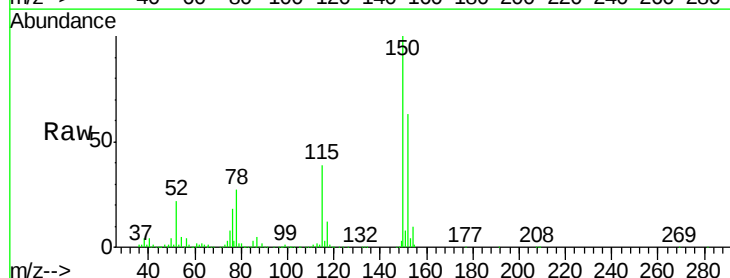
Tgt Ion:152 Resp: 206101

Ion Ratio Lower Upper

152 100

115 59.3 41.3 124.1

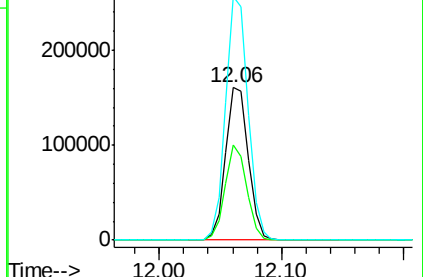
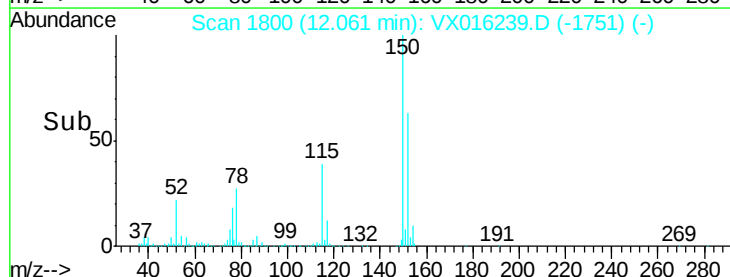
150 157.3 0.0 352.2

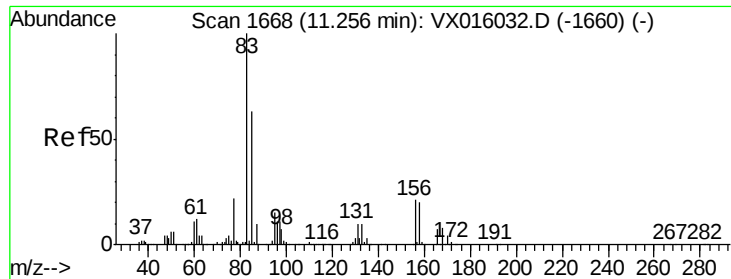


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 2.12 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0557-200513

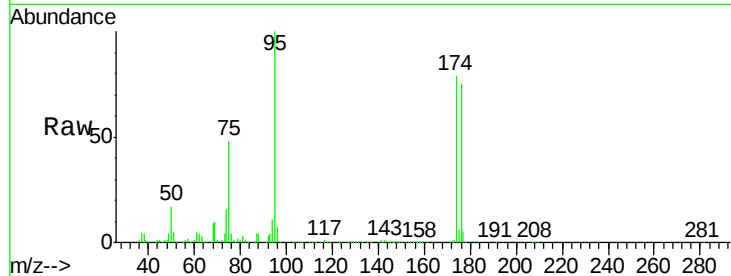
Tgt Ion: 83 Resp: 209

Ion Ratio Lower Upper

83 100

131 156.0 5.1 15.4#

85 0.0 32.0 96.0#



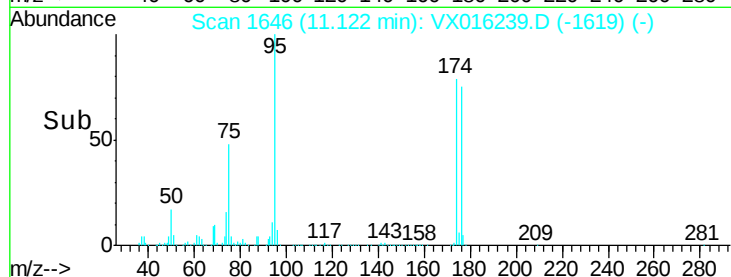
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

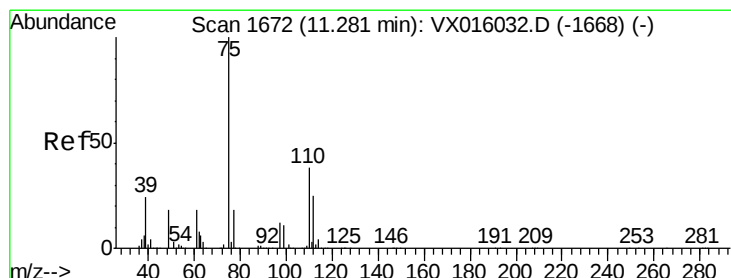
Ion 84.90 (84.60 to 85.60): VX0

11.12

11.10 11.15



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.06 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016239.D

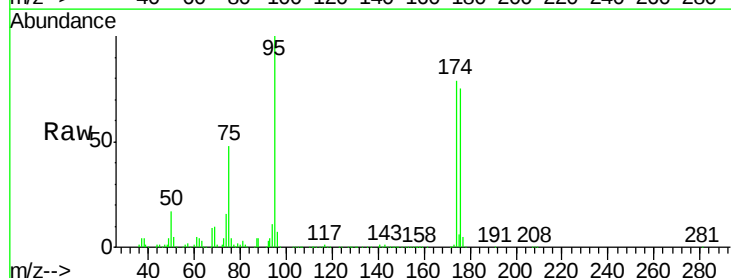
Acq: 14 May 2020 18:17

Tgt Ion: 75 Resp: 98503

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#

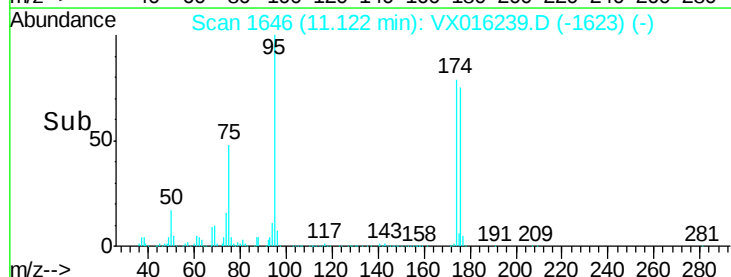


Abundance Ion 74.90 (74.60 to 75.60): VX0

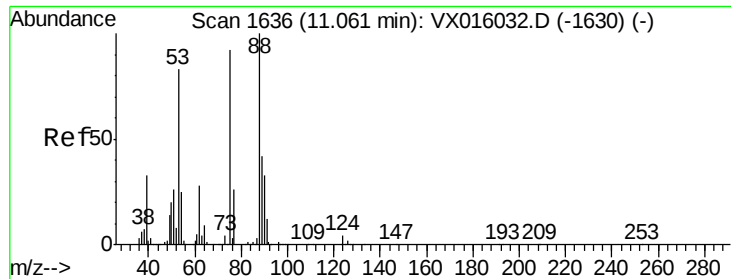
Ion 77.00 (76.70 to 77.70): VX0

11.12

11.10 11.20



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 50.19 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016239.D

Acq: 14 May 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0557-200513

Tgt Ion: 75 Resp: 98503

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

