

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060520\
 Data File : VX016614.D
 Acq On : 05 Jun 2020 16:17
 Operator : JC/SP
 Sample : L2894-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1-DUP-0566-200602

Quant Time: Jun 06 06:01:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	227266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	361545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	372547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	187155	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	135599	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
35) Dibromofluoromethane	5.46	113	109522	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	8.70	98	448133	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.12	95	182259	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	

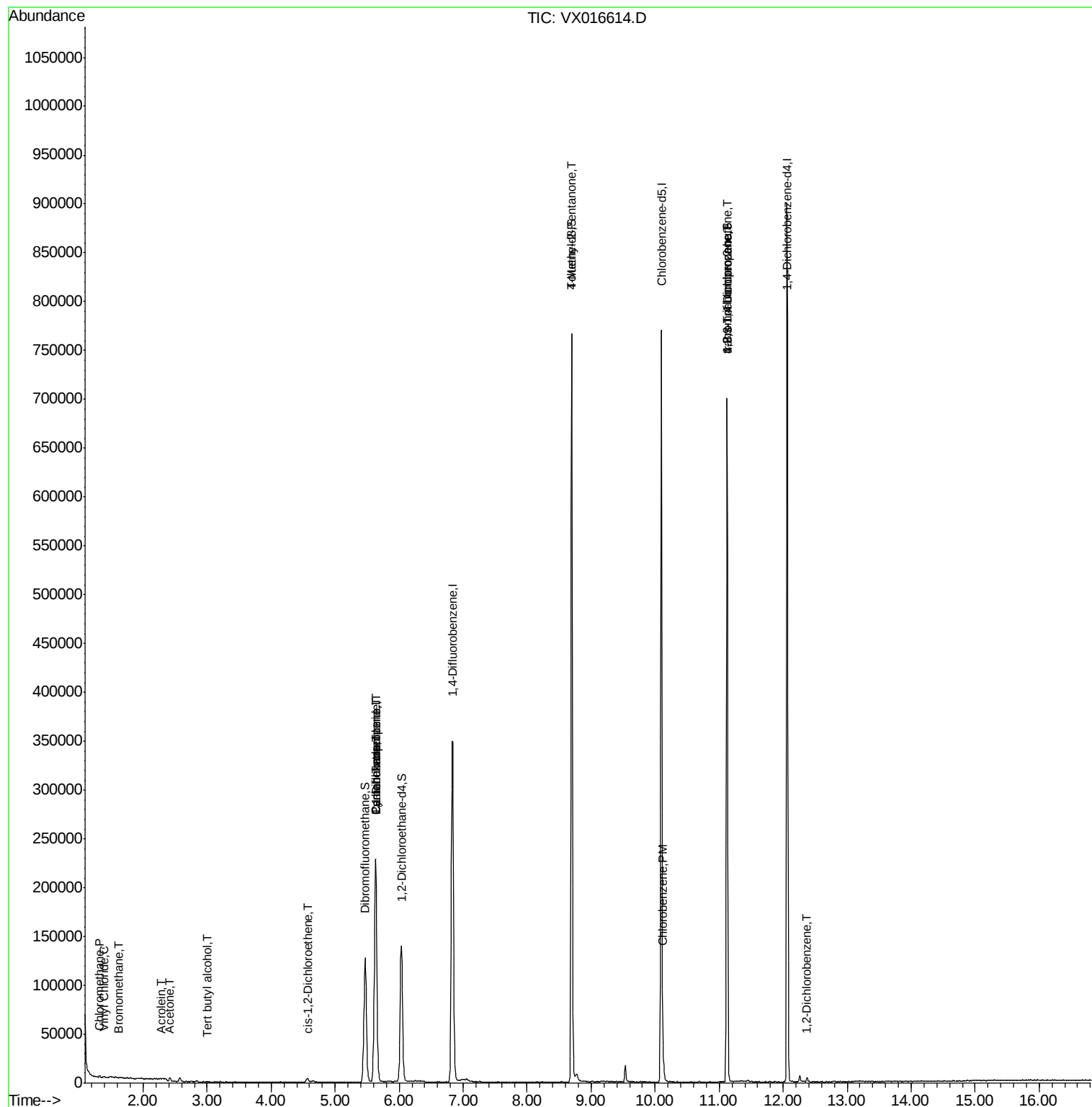
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1562	0.58	ug/l	96
4) Vinyl Chloride	1.39	62	621	0.22	ug/l	93
5) Bromomethane	1.63	94	304	0.22	ug/l #	72
11) Tert butyl alcohol	3.00	59	315	0.44	ug/l #	72
13) Acrolein	2.27	56	230	0.75	ug/l #	41
16) Acetone	2.42	43	3981	3.22	ug/l #	87
27) cis-1,2-Dichloroethene	4.57	96	2919	1.04	ug/l	77
31) Cyclohexane	5.63	56	4058	1.03	ug/l #	2
36) 1,1-Dichloropropene	5.64	75	15312	4.47	ug/l #	52
38) Carbon Tetrachloride	5.64	117	21922	6.09	ug/l #	17
51) 4-Methyl-2-Pentanone	8.70	43	2030	0.51	ug/l #	1
65) Chlorobenzene	10.12	112	5316	0.70	ug/l	92
76) 1,2,3-Trichloropropane	11.12	75	88525	21.52	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	88525	52.93	ug/l #	14
91) 1,2-Dichlorobenzene	12.38	146	1418	0.25	ug/l	95

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

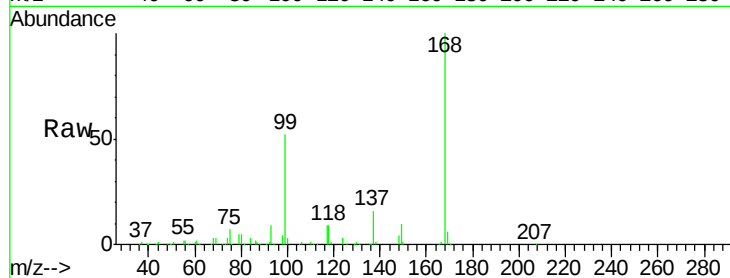
Z1-DUP-0566-200602

Tgt Ion:168 Resp: 227266

Ion Ratio Lower Upper

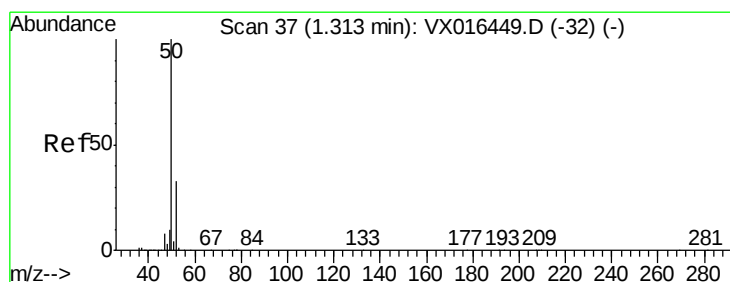
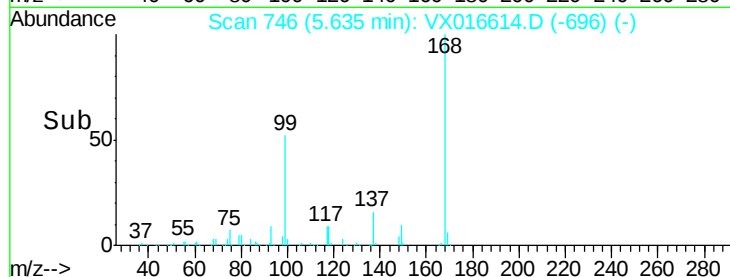
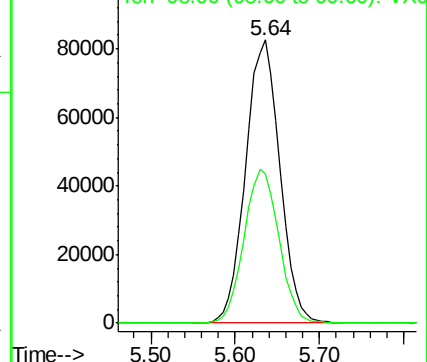
168 100

99 52.4 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.58 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016614.D

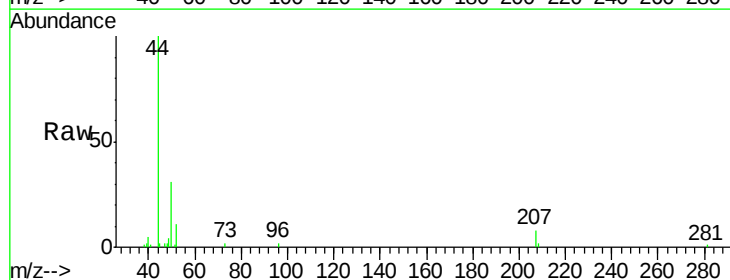
Acq: 05 Jun 2020 16:17

Tgt Ion: 50 Resp: 1562

Ion Ratio Lower Upper

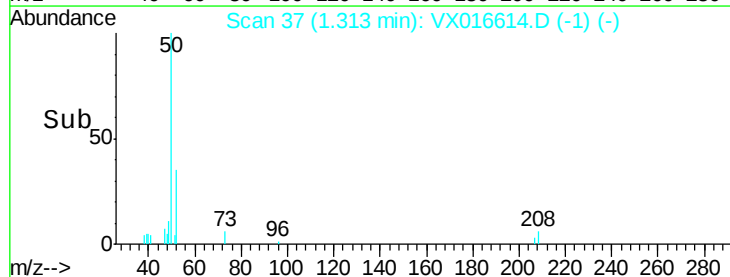
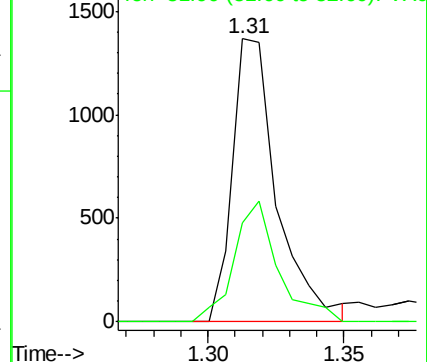
50 100

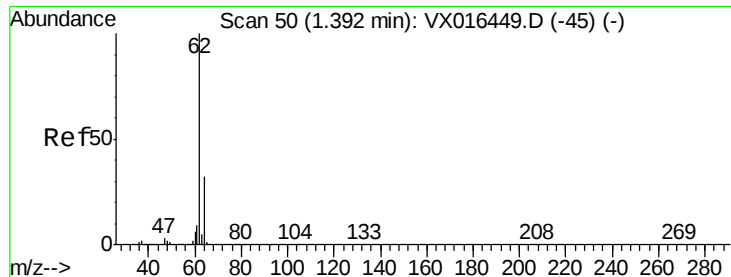
52 35.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.22 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

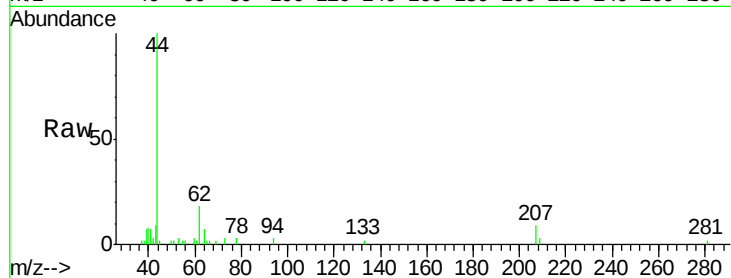
Z1-DUP-0566-200602

Tgt Ion: 62 Resp: 621

Ion Ratio Lower Upper

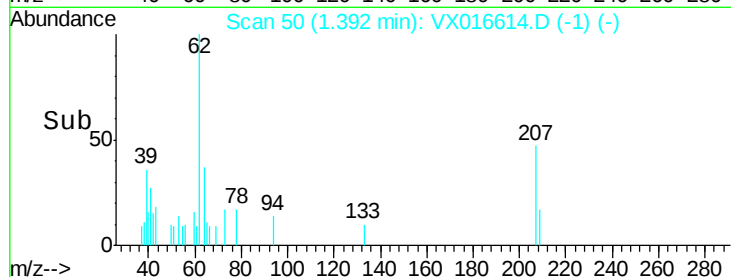
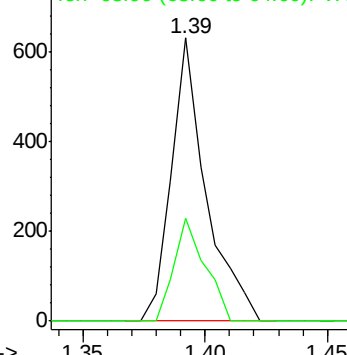
62 100

64 36.5 25.9 38.9

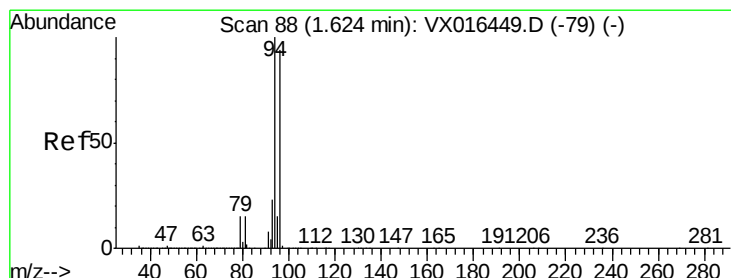


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->



#5

Bromomethane

Concen: 0.22 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016614.D

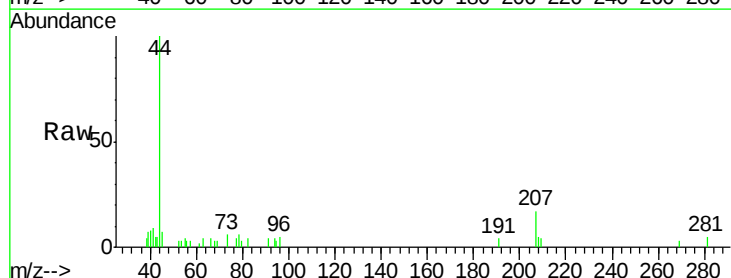
Acq: 05 Jun 2020 16:17

Tgt Ion: 94 Resp: 304

Ion Ratio Lower Upper

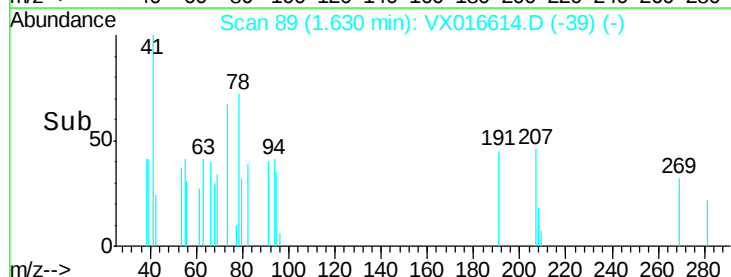
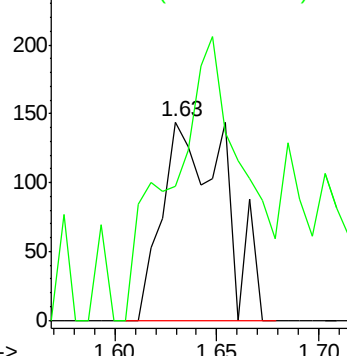
94 100

96 67.4 75.1 112.7#

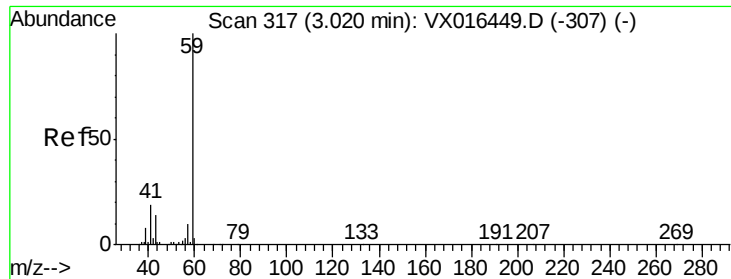


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



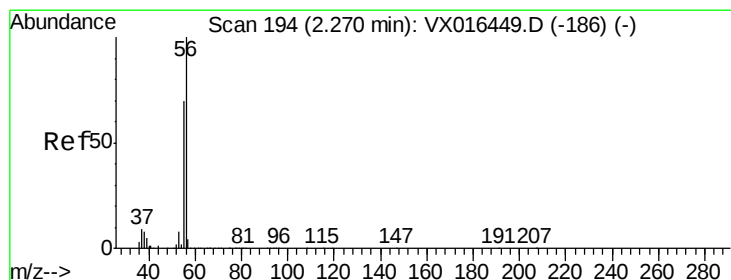
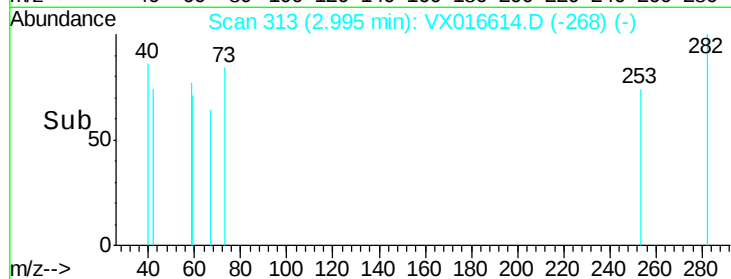
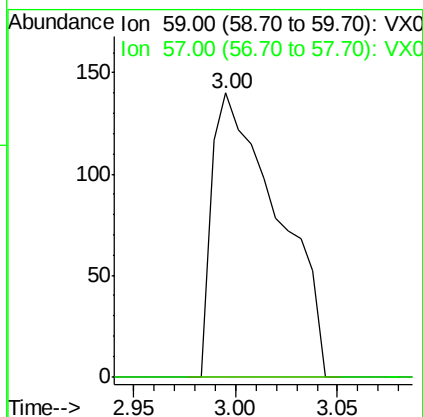
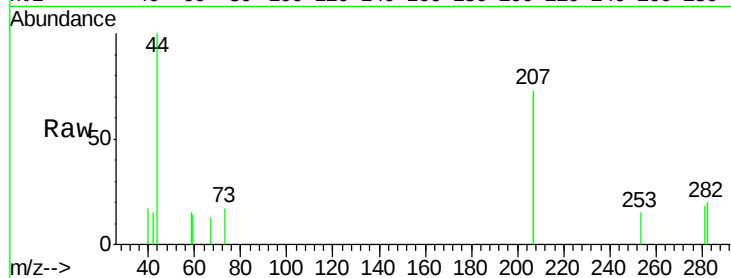
Time-->



#11
Tert butyl alcohol
Concen: 0.44 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX016614.D
Acq: 05 Jun 2020 16:17

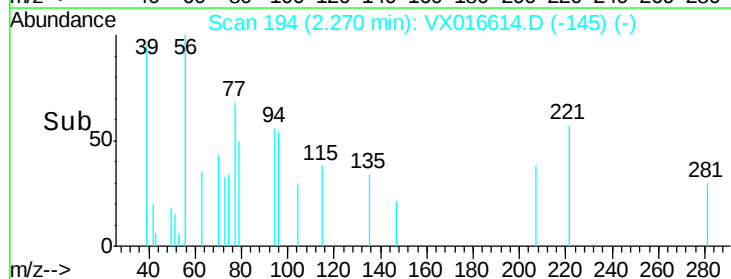
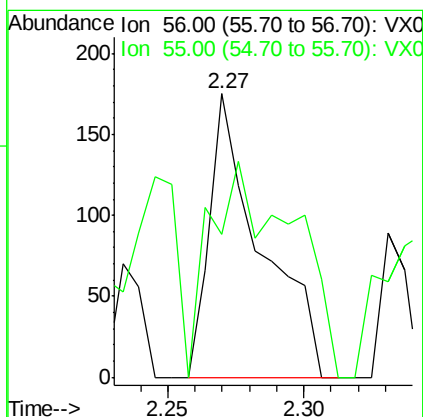
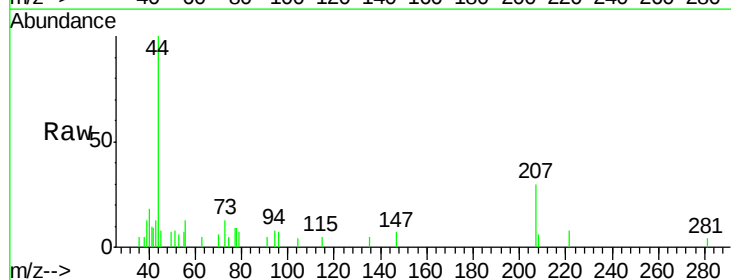
Instrument :
MSVOA_X
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Z1-DUP-0566-200602

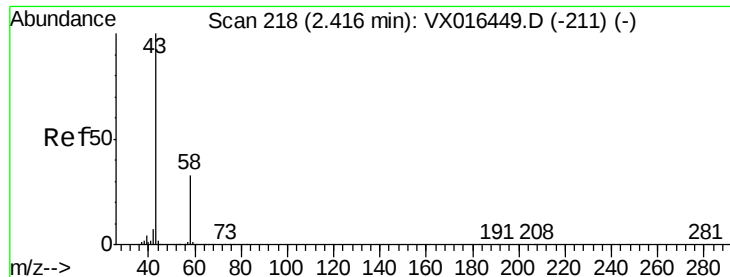
Tgt Ion: 59 Resp: 315
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.75 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016614.D
Acq: 05 Jun 2020 16:17

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 122.2 58.3 87.5#





#16

Acetone

Concen: 3.22 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

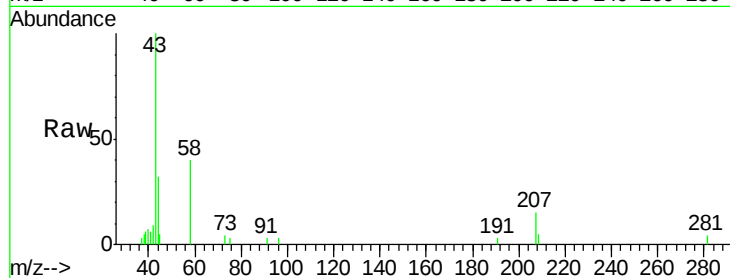
Z1-DUP-0566-200602

Tgt Ion: 43 Resp: 3981

Ion Ratio Lower Upper

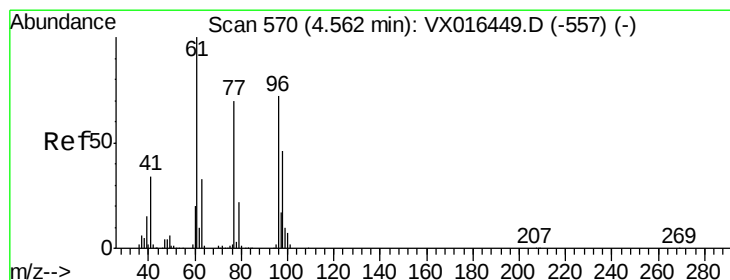
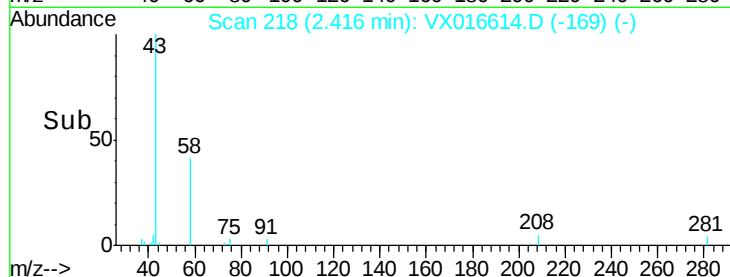
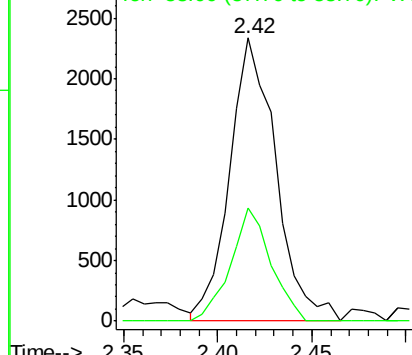
43 100

58 39.8 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.04 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

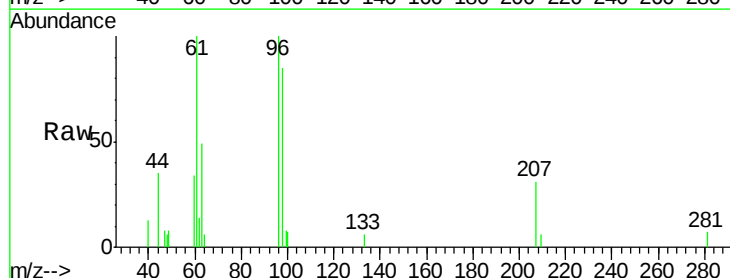
Tgt Ion: 96 Resp: 2919

Ion Ratio Lower Upper

96 100

61 102.8 0.0 284.6

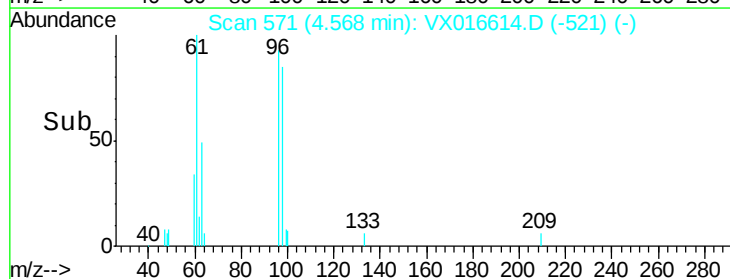
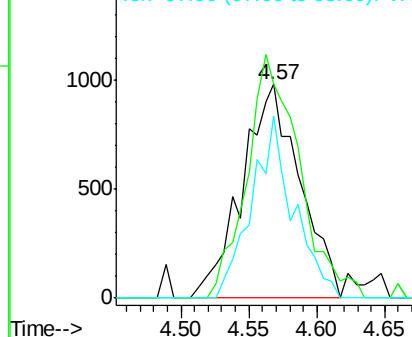
98 61.5 0.0 127.2

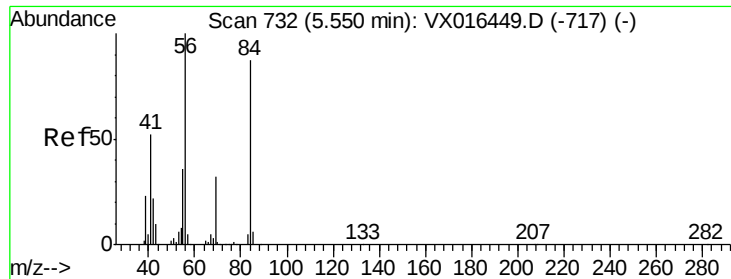


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

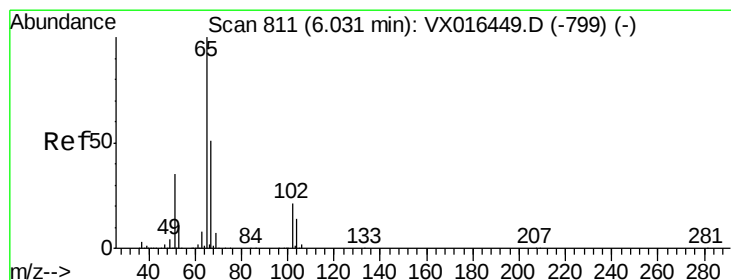
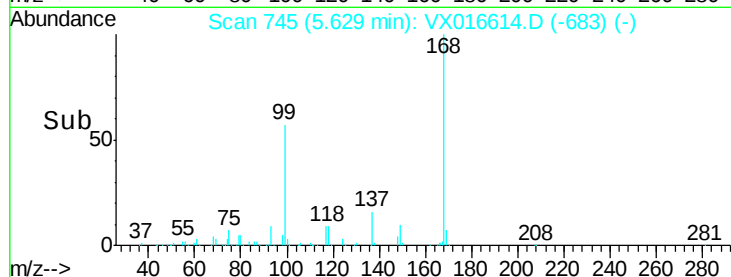
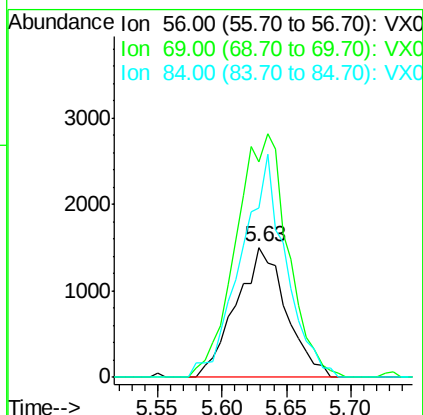
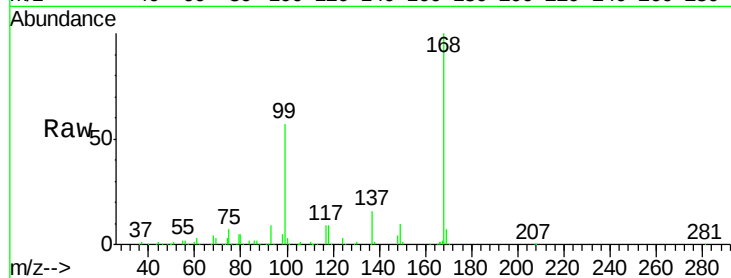




#31
Cyclohexane
Concen: 1.03 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016614.D
Acq: 05 Jun 2020 16:17

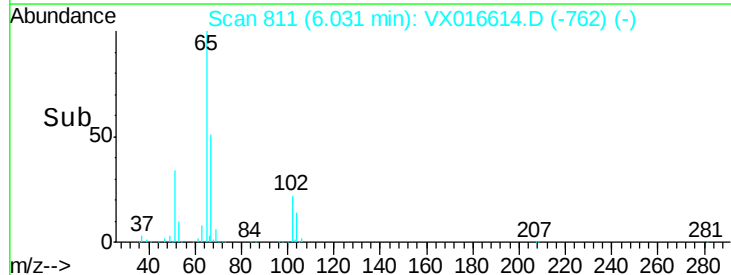
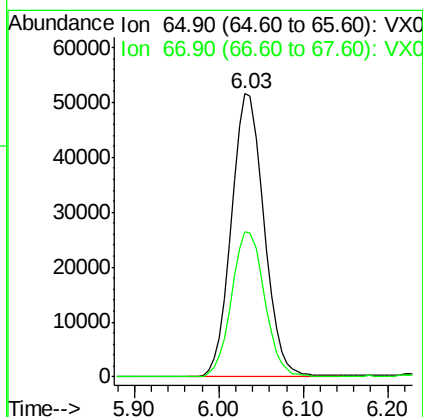
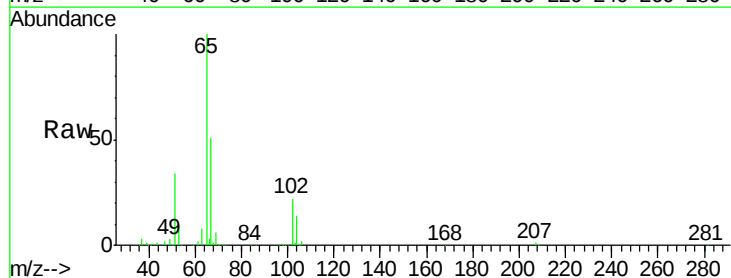
Instrument :
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ClientSampleId :
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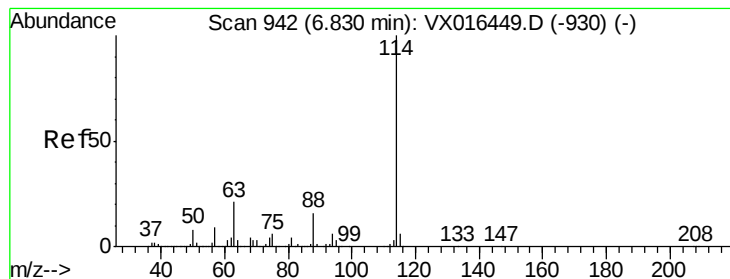
Tgt Ion: 56 Resp: 4058
Ion Ratio Lower Upper
56 100
69 165.6 25.7 38.5#
84 130.1 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.04 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016614.D
Acq: 05 Jun 2020 16:17

Tgt Ion: 65 Resp: 135599
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0566-200602

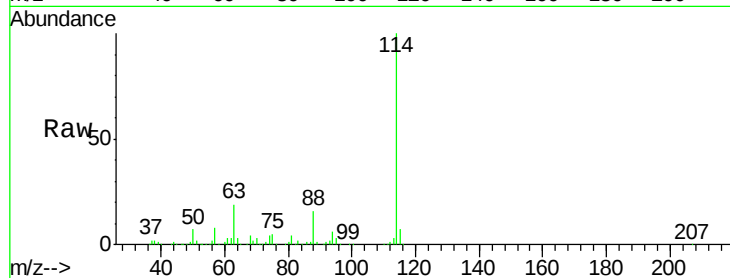
Tgt Ion:114 Resp: 361545

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.6

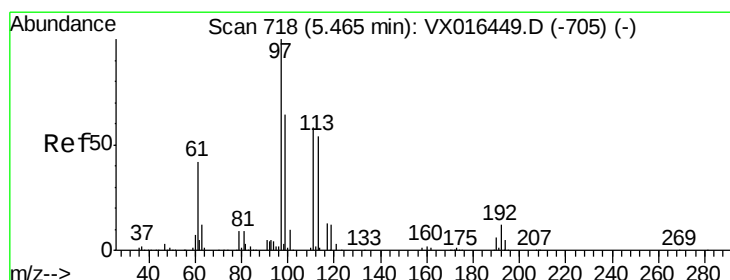
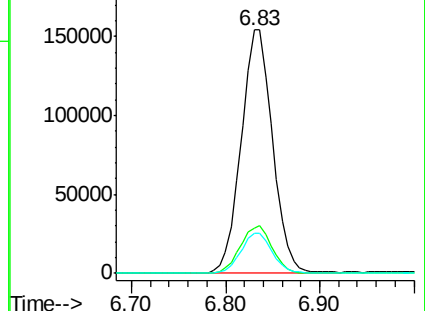
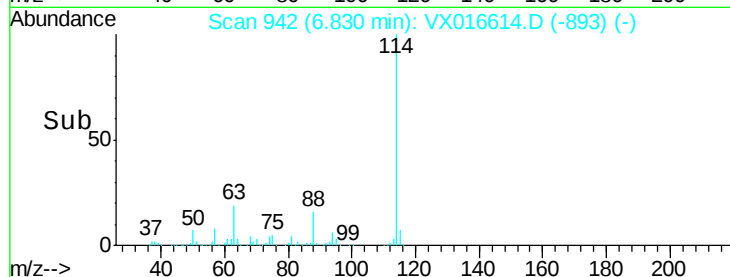
88 16.2 0.0 32.8



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: 49.20 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

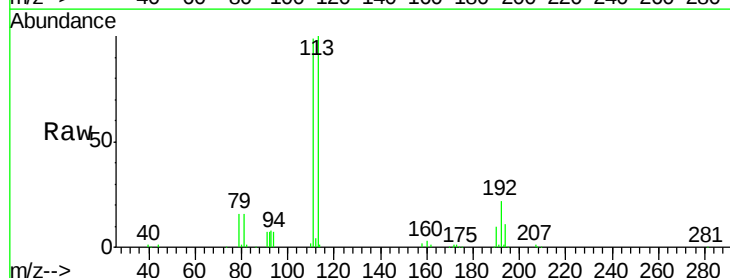
Tgt Ion:113 Resp: 109522

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.6

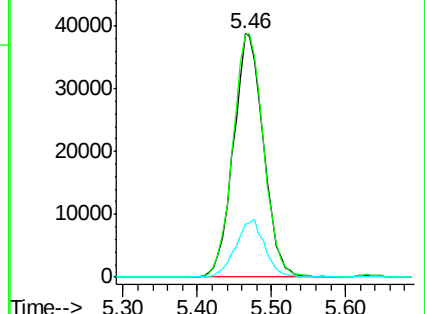
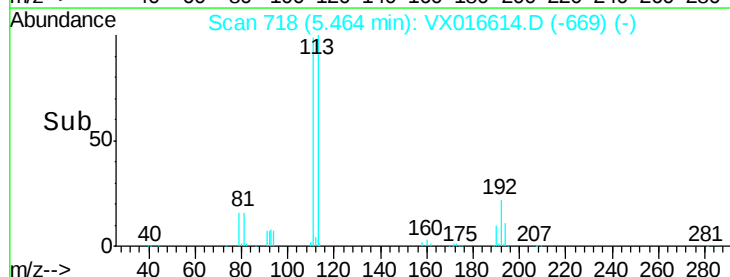
192 22.6 17.7 26.5

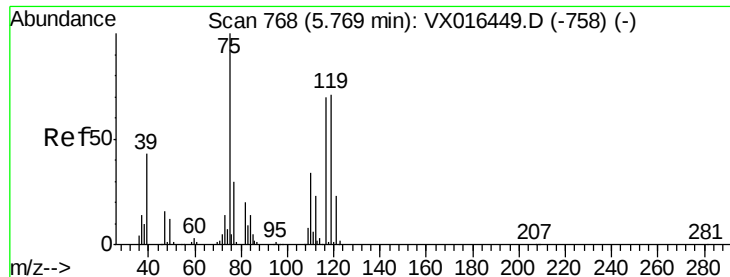


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.47 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

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MSVOA_X

ClientSampleId :

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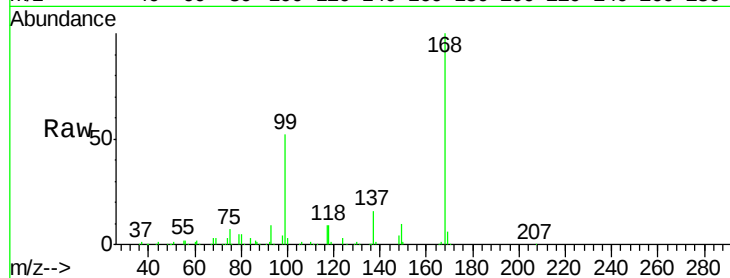
Tgt Ion: 75 Resp: 15312

Ion Ratio Lower Upper

75 100

110 10.4 17.4 52.3#

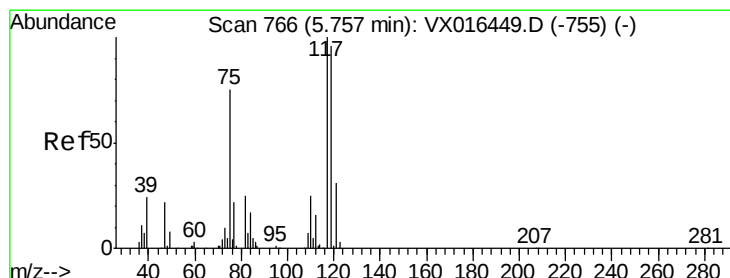
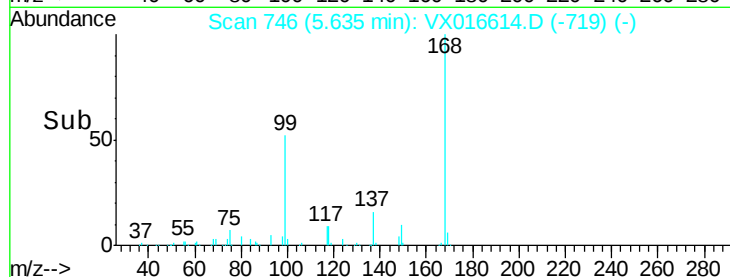
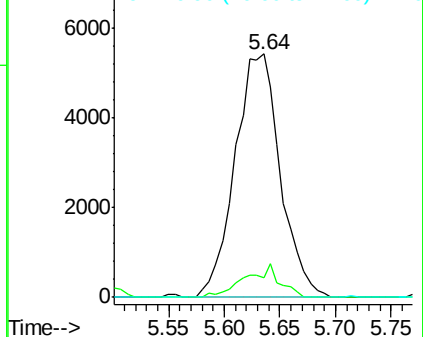
77 0.0 24.2 36.4#



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: 6.09 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

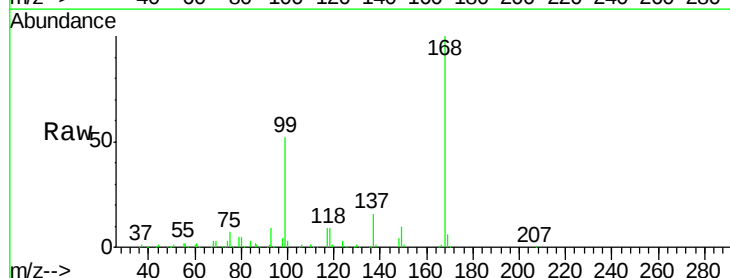
Tgt Ion: 117 Resp: 21922

Ion Ratio Lower Upper

117 100

119 5.9 76.3 114.5#

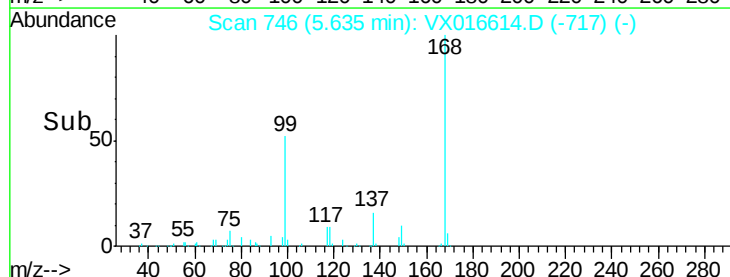
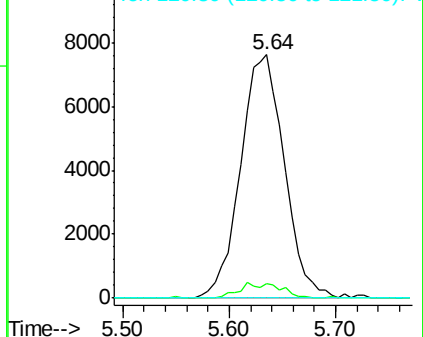
121 0.0 24.6 37.0#

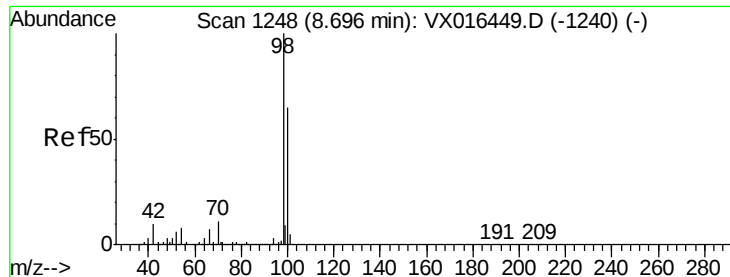


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.72 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

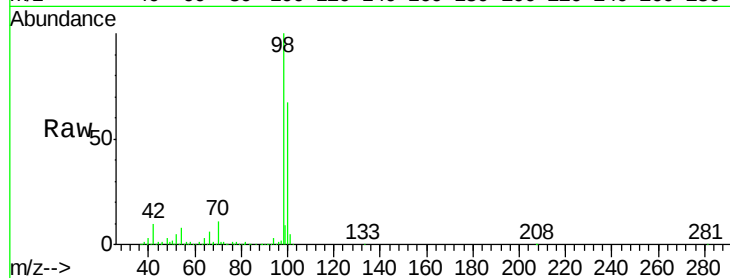
Z1-DUP-0566-200602

Tgt Ion: 98 Resp: 448133

Ion Ratio Lower Upper

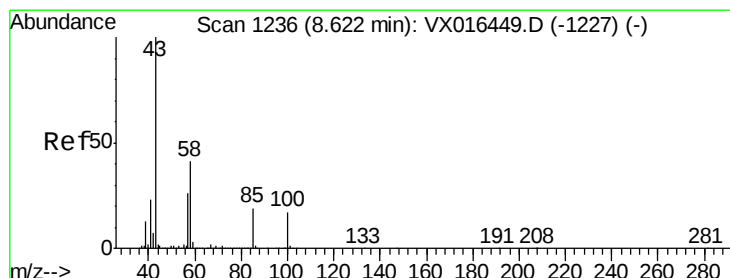
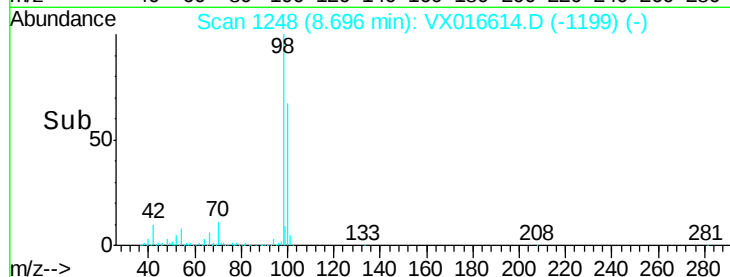
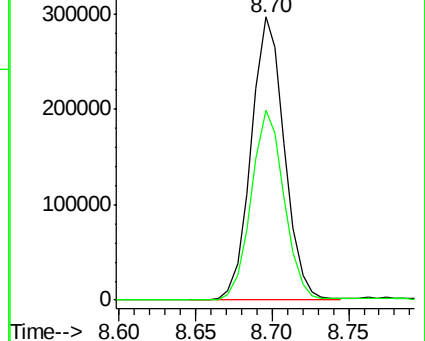
98 100

100 66.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.51 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.08 min

Lab File: VX016614.D

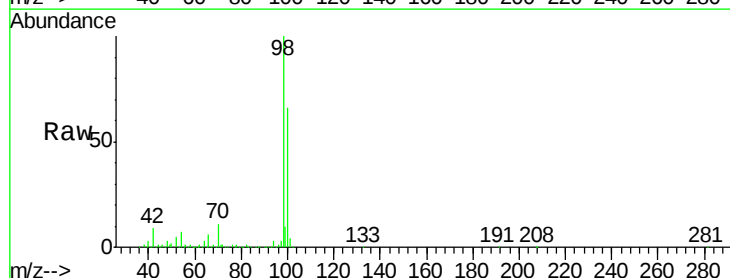
Acq: 05 Jun 2020 16:17

Tgt Ion: 43 Resp: 2030

Ion Ratio Lower Upper

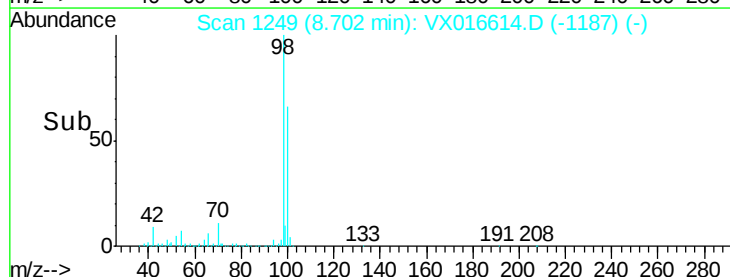
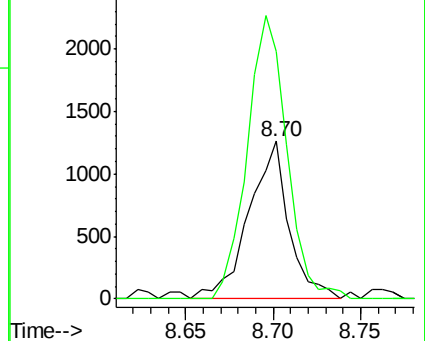
43 100

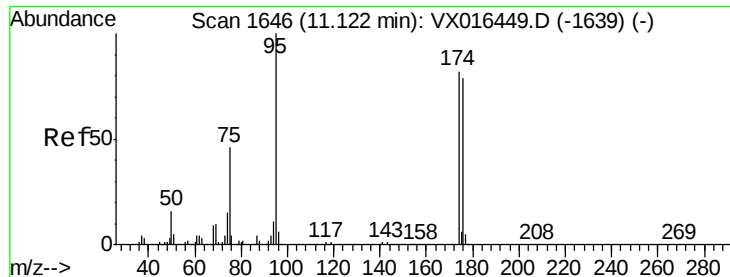
58 176.3 33.0 49.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.44 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0566-200602

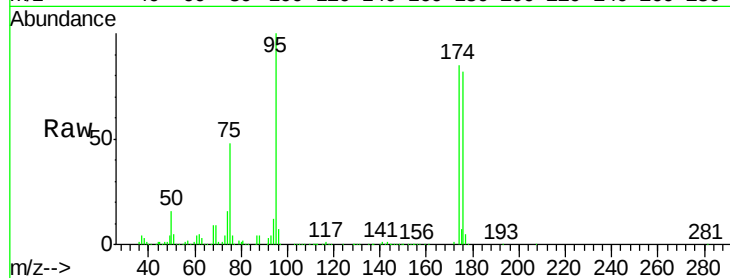
Tgt Ion: 95 Resp: 182259

Ion Ratio Lower Upper

95 100

174 86.0 0.0 163.0

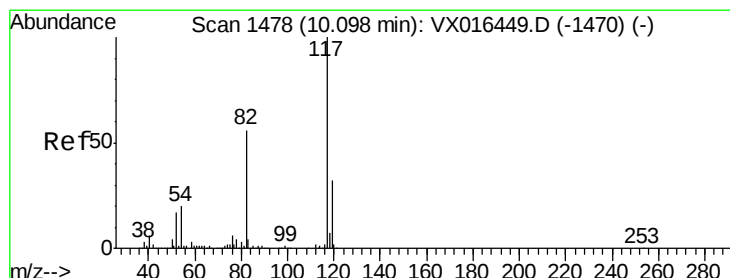
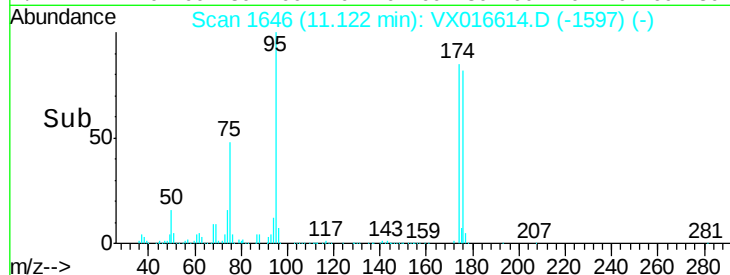
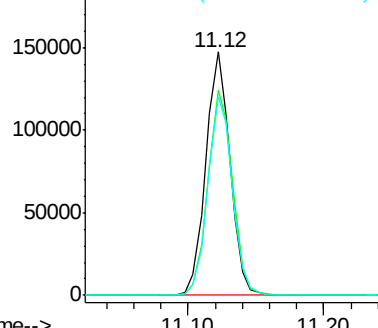
176 82.3 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

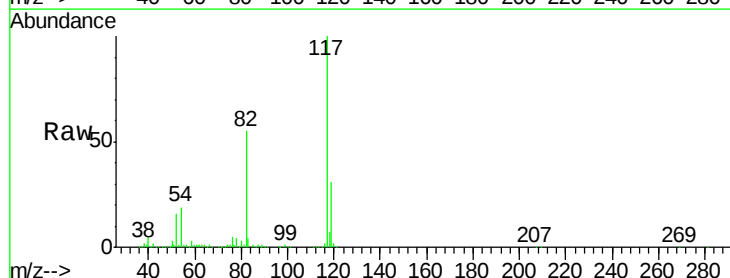
Tgt Ion: 117 Resp: 372547

Ion Ratio Lower Upper

117 100

82 54.6 45.0 67.6

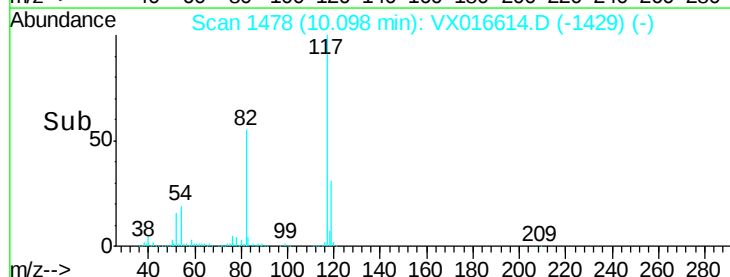
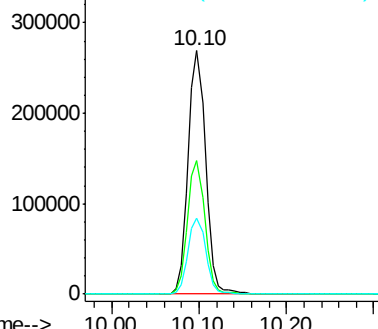
119 31.4 25.8 38.8

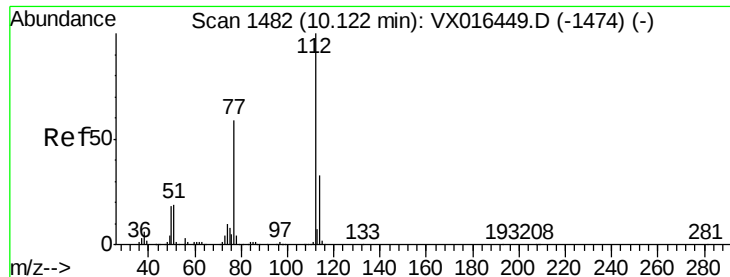


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#65

Chlorobenzene

Concen: 0.70 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

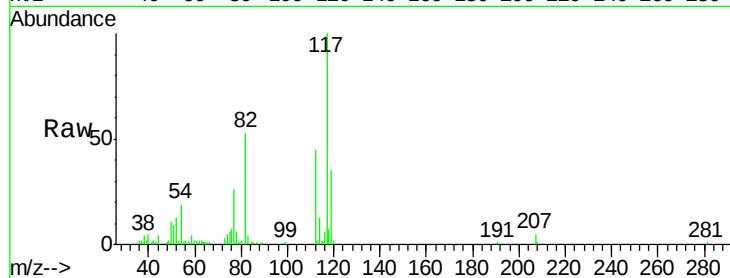
Z1-DUP-0566-200602

Tgt Ion:112 Resp: 5316

Ion Ratio Lower Upper

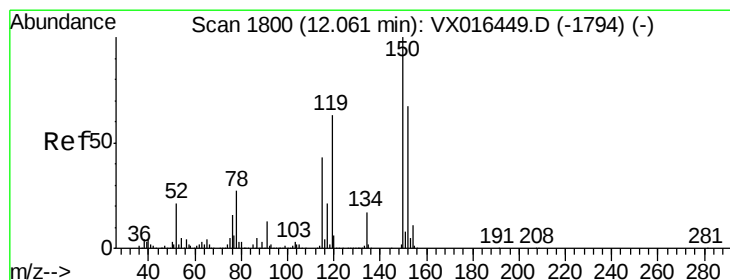
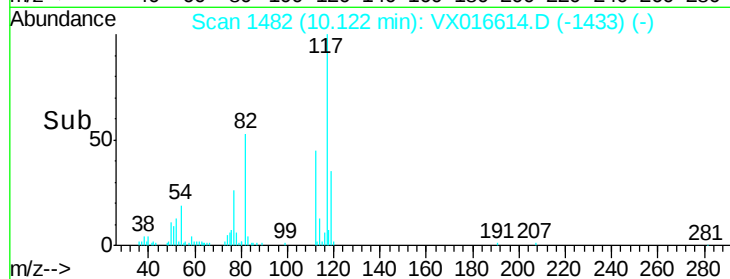
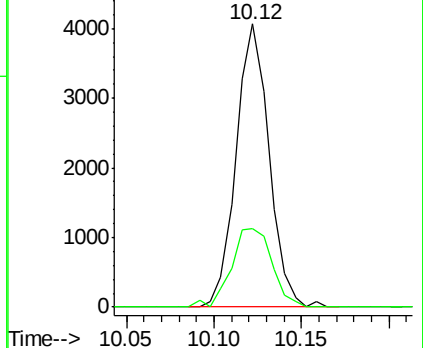
112 100

114 27.9 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VX016614.D

Acq: 05 Jun 2020 16:17

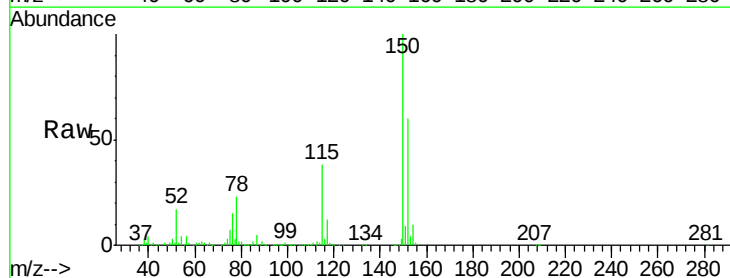
Tgt Ion:152 Resp: 187155

Ion Ratio Lower Upper

152 100

115 59.5 39.9 119.6

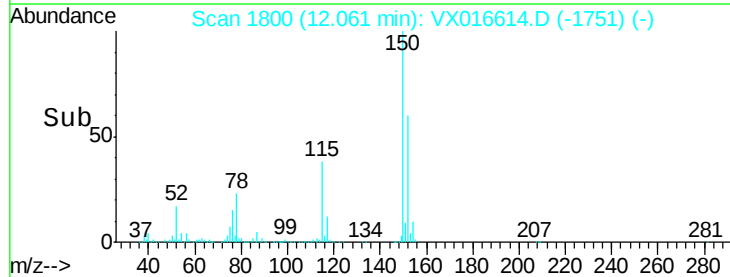
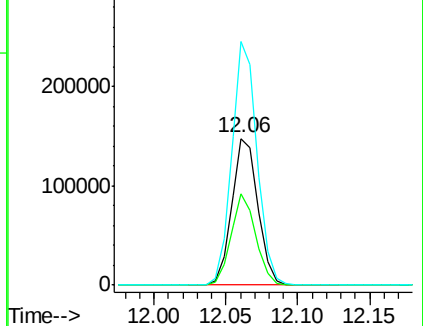
150 161.4 0.0 341.0

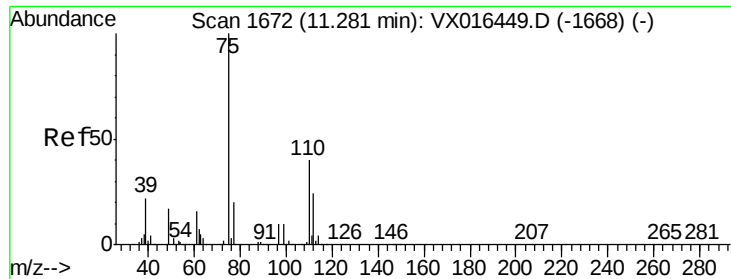


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

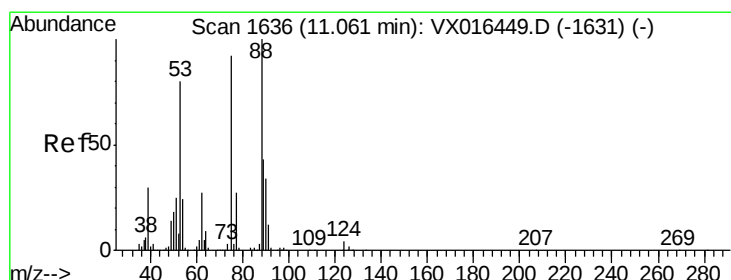
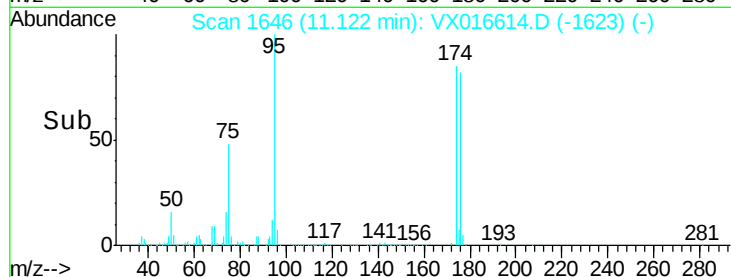
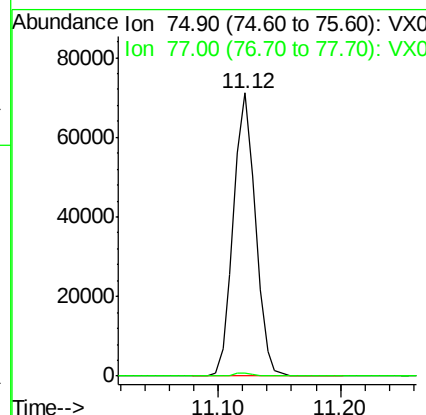
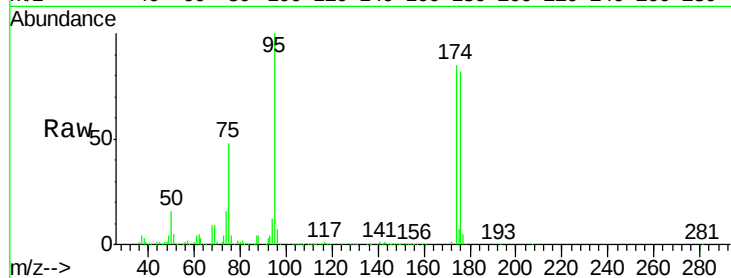




#76
 1,2,3-Trichloropropane
 Concen: 21.52 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016614.D
 Acq: 05 Jun 2020 16:17

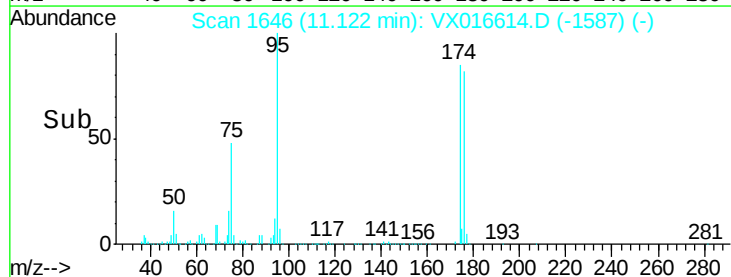
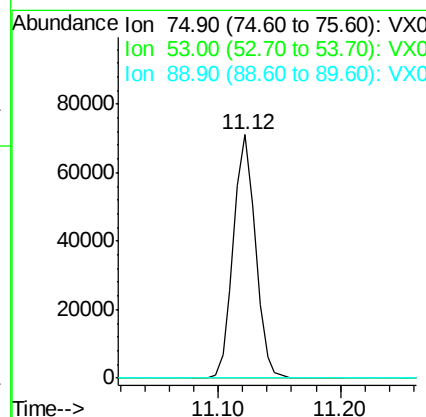
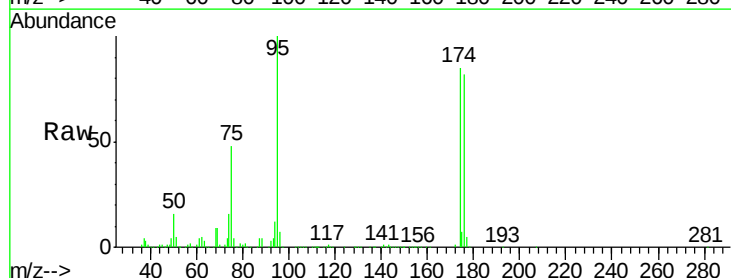
Instrument :
 MSVOA_X
 ClientSampleId :
 Z1-DUP-0566-200602

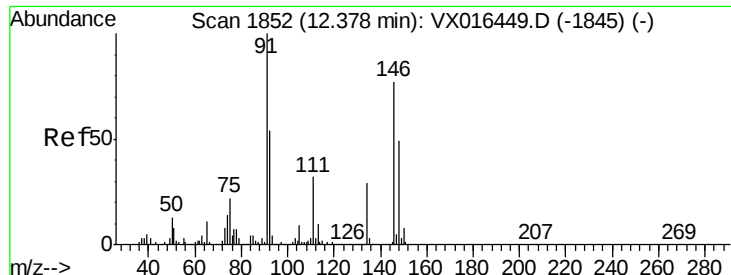
Tgt Ion: 75 Resp: 88525
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.3 63.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.93 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016614.D
 Acq: 05 Jun 2020 16:17

Tgt Ion: 75 Resp: 88525
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 36.6 55.0#





#91

1,2-Dichlorobenzene

Concen: 0.25 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016614.D

Acq: 05 Jun 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0566-200602

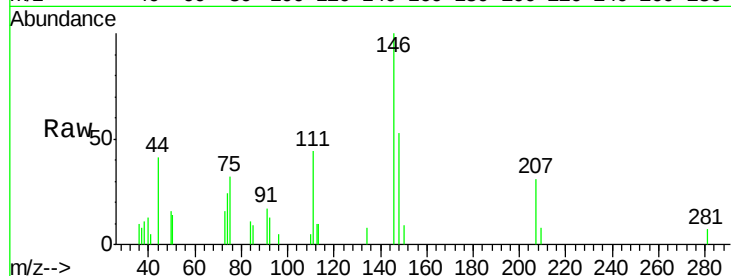
Tgt Ion:146 Resp: 1418

Ion Ratio Lower Upper

146 100

111 39.8 21.4 64.3

148 59.9 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

