

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016584.D
 Acq On : 04 Jun 2020 16:22
 Operator : JC/SP
 Sample : L2894-11 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 04:22:29 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	5.63	168	229895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	366838	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	368806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201952	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	136263	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
35) Dibromofluoromethane	5.46	113	112422	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	8.70	98	449967	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.12	95	193132	56.85	ug/l	0.00
Spiked Amount			Recovery	=	113.70%	

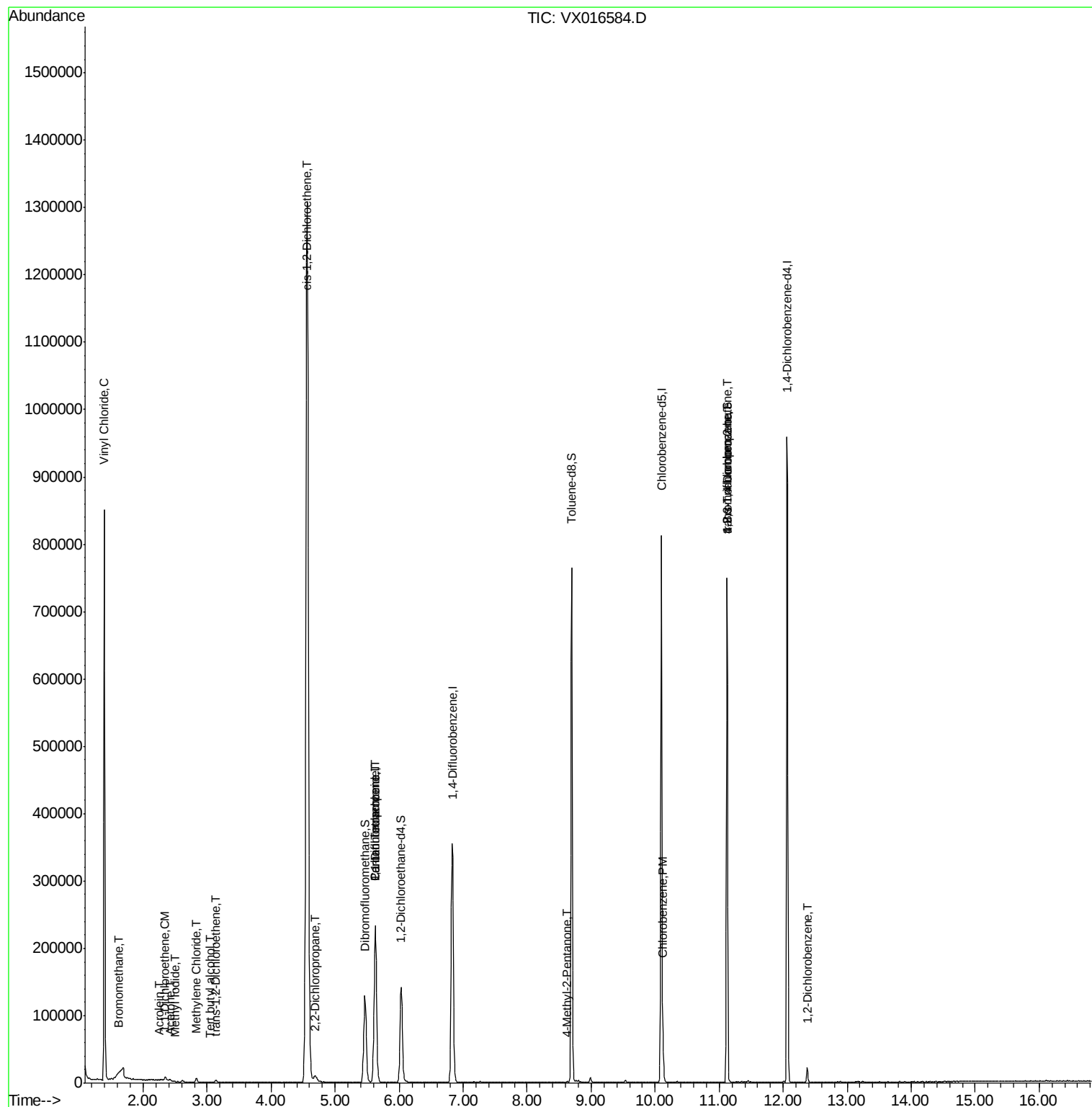
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	490714	169.719	ug/l	99
5) Bromomethane	1.62	94	383	0.272	ug/l #	75
10) Methyl Iodide	2.50	142	283	3.162	ug/l #	48
11) Tert butyl alcohol	3.05	59	179	0.244	ug/l #	72
12) 1,1-Dichloroethene	2.34	96	1748	0.790	ug/l	87
13) Acrolein	2.26	56	127	0.408	ug/l #	27
16) Acetone	2.43	43	1755	1.403	ug/l	98
20) Methylene Chloride	2.82	84	2839	1.097	ug/l #	85
21) trans-1,2-Dichloroethene	3.14	96	1470	0.601	ug/l #	76
26) 2,2-Dichloropropane	4.68	77	895	0.248	ug/l #	53
27) cis-1,2-Dichloroethene	4.56	96	859252	303.553	ug/l	89
36) 1,1-Dichloropropene	5.62	75	16165	4.654	ug/l #	51
38) Carbon Tetrachloride	5.62	117	21178	5.802	ug/l #	17
51) 4-Methyl-2-Pentanone	8.62	43	990	0.244	ug/l	99
65) Chlorobenzene	10.12	112	23924	3.182	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	93988	21.173	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	93988	52.083	ug/l #	14
91) 1,2-Dichlorobenzene	12.38	146	7217	1.172	ug/l	96

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

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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

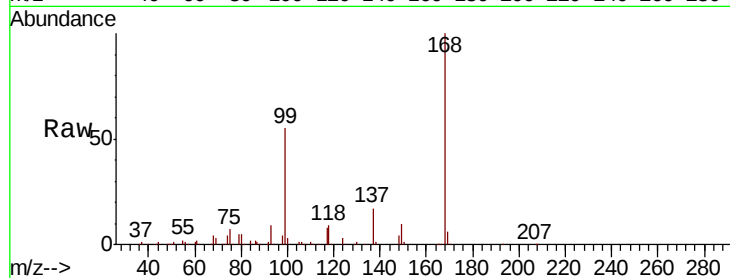
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 229895

Ion Ratio Lower Upper

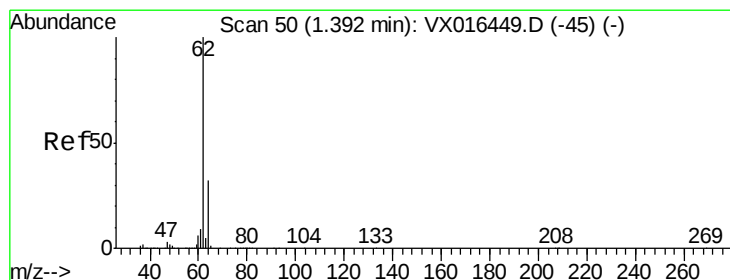
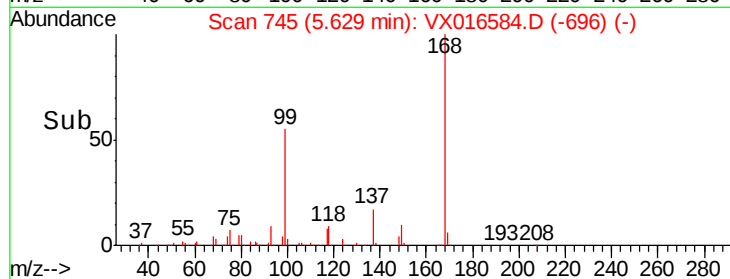
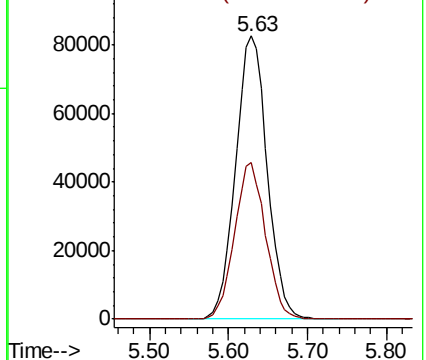
168 100

99 55.3 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 169.719 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016584.D

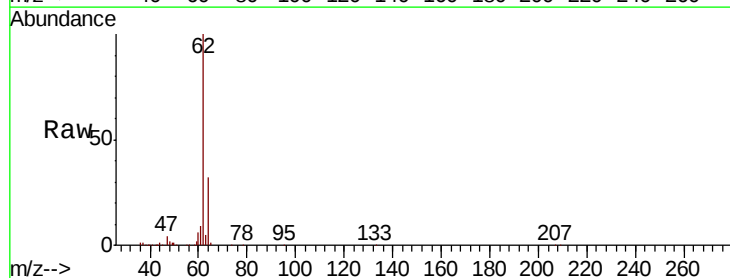
Acq: 04 Jun 2020 16:22

Tgt Ion: 62 Resp: 490714

Ion Ratio Lower Upper

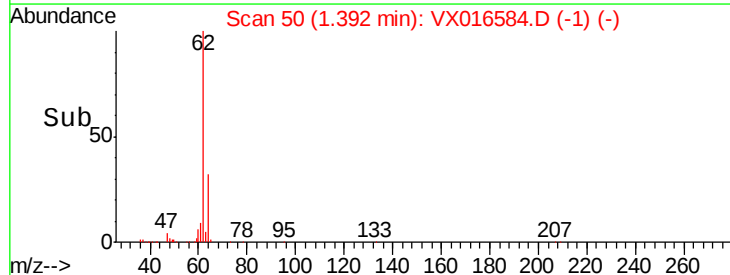
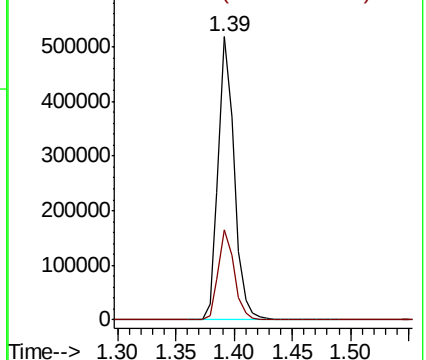
62 100

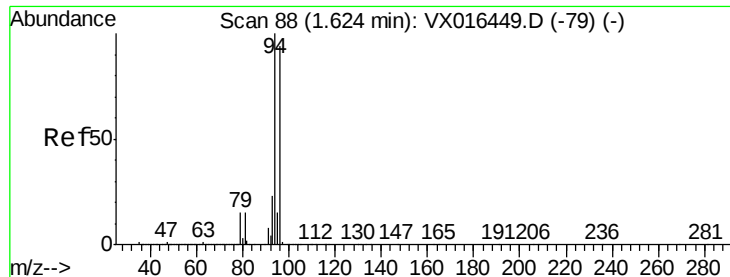
64 31.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.272 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

Instrument :

MSVOA_X

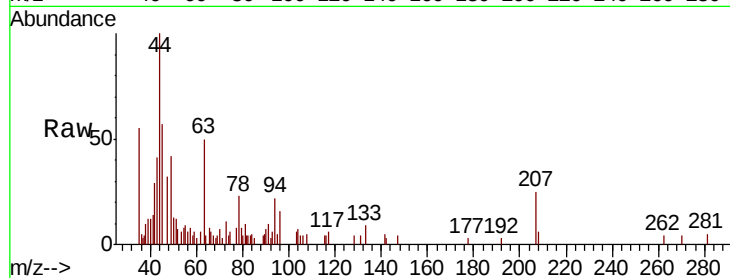
ClientSampled :

Tot Ion: 94 Resp: 383

Ion Ratio Lower Upper

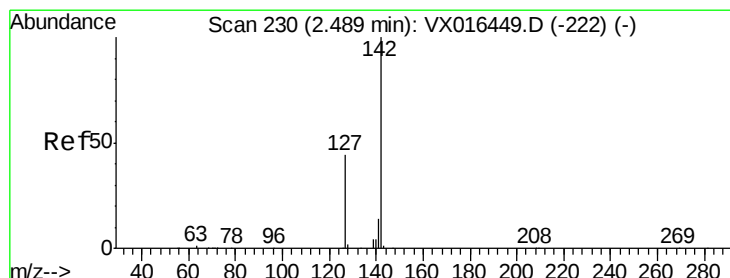
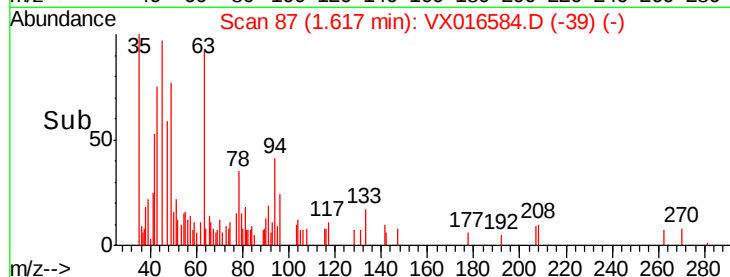
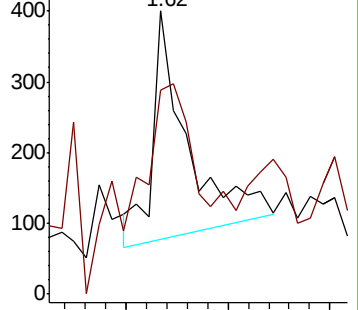
94 100

96 69.3 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 3.162 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

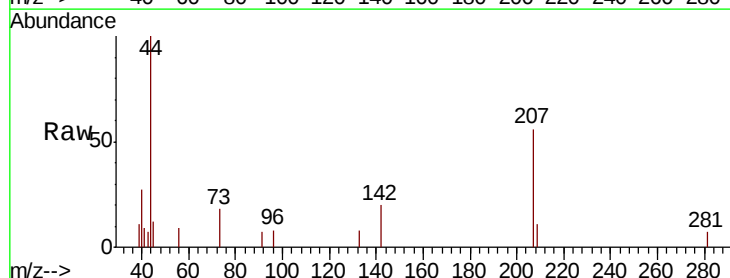
Tgt Ion: 142 Resp: 283

Ion Ratio Lower Upper

142 100

127 7.1 35.3 52.9#

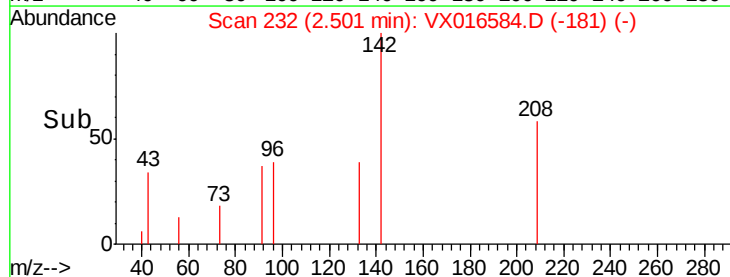
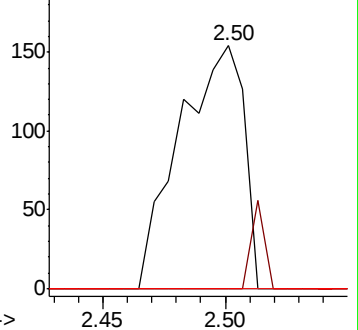
141 0.0 11.4 17.2#

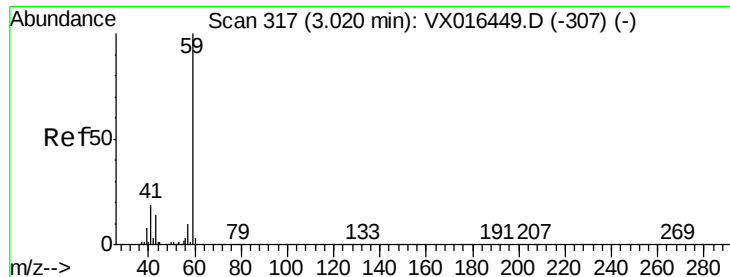


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

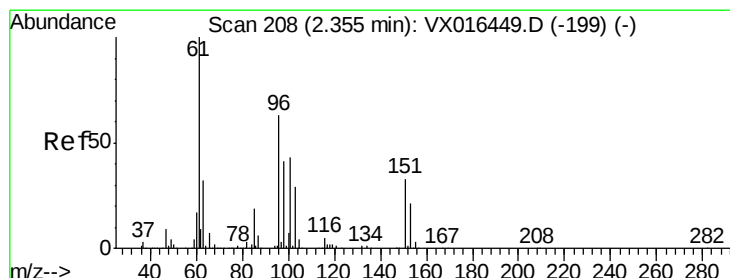
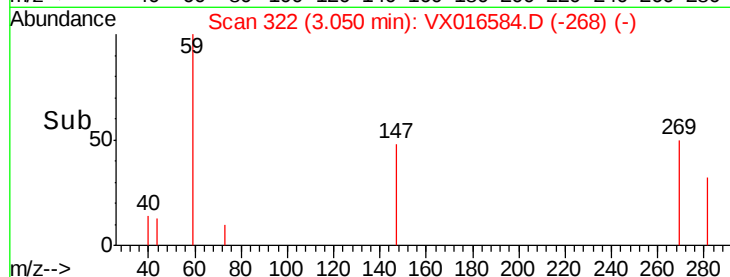
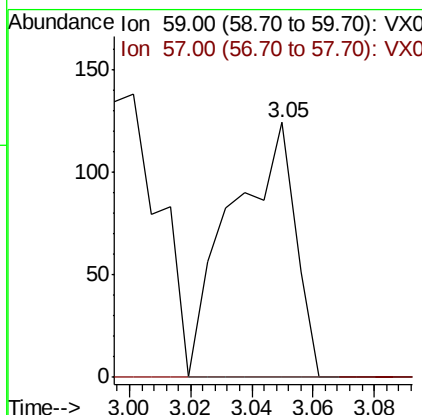
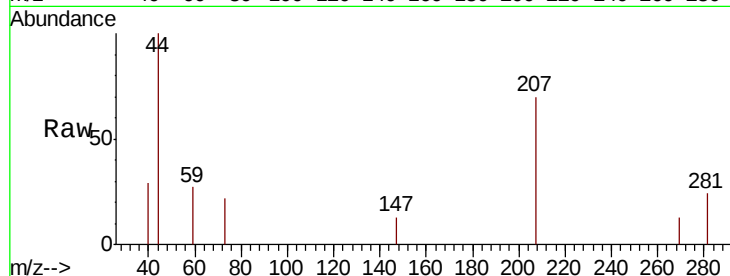




#11
Tert butyl alcohol
Concen: 0.244 ug/l
RT: 3.05 min Scan# 322
Delta R.T. 0.03 min
Lab File: VX016584.D
Acq: 04 Jun 2020 16:22

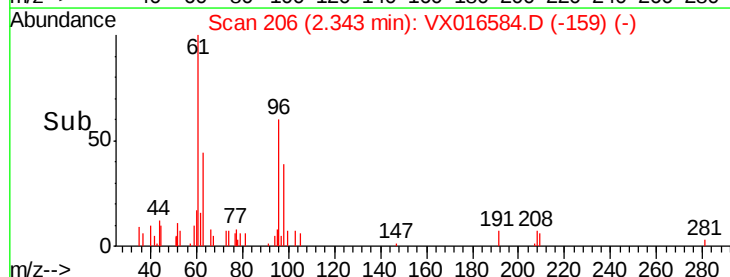
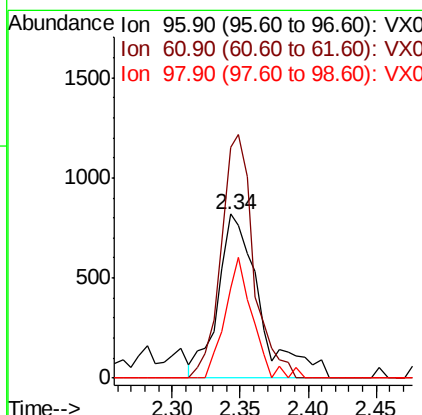
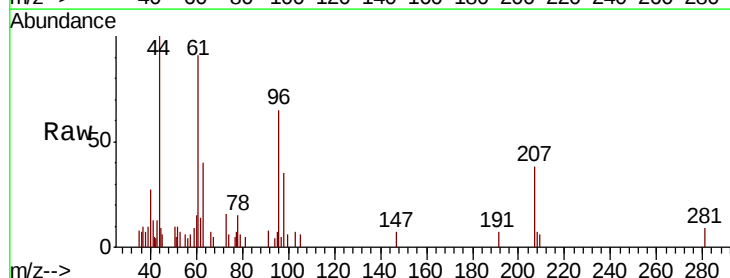
Instrument :
MSVOA_X
ClientSampled :

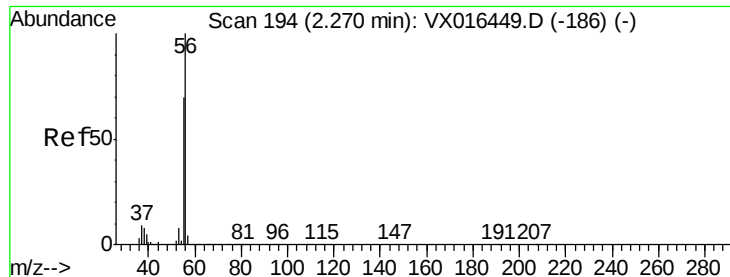
Tot Ion: 59 Resp: 179
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.790 ug/l
RT: 2.34 min Scan# 206
Delta R.T. -0.01 min
Lab File: VX016584.D
Acq: 04 Jun 2020 16:22

Tgt Ion: 96 Resp: 1748
Ion Ratio Lower Upper
96 100
61 141.0 126.6 189.8
98 54.8 51.3 76.9





#13

Acrolein

Concen: 0.408 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

Instrument :

MSVOA_X

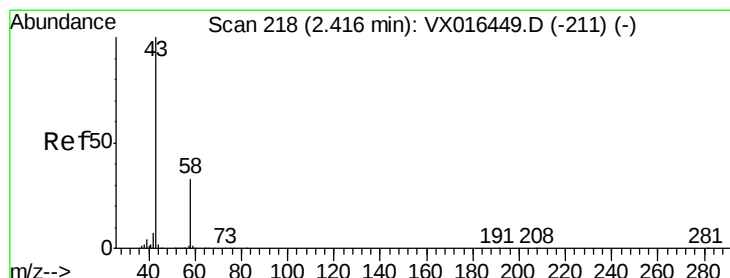
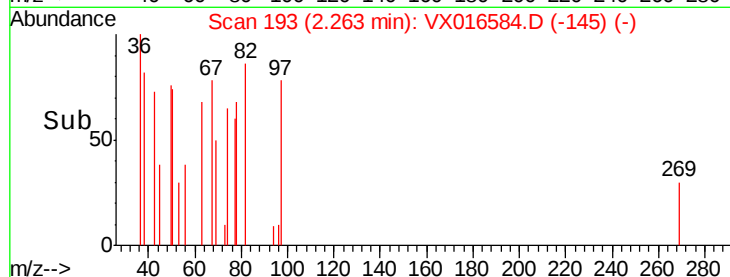
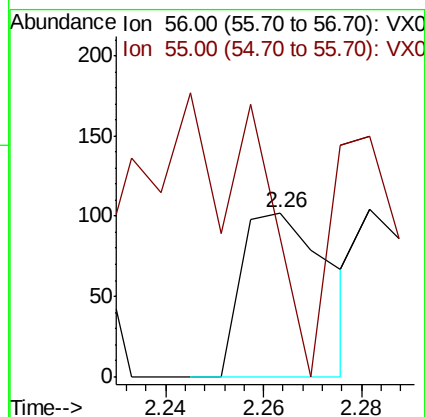
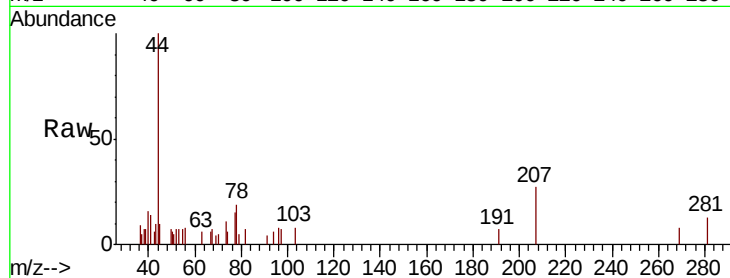
ClientSampled :

Tot Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 133.9 58.3 87.5#



#16

Acetone

Concen: 1.403 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX016584.D

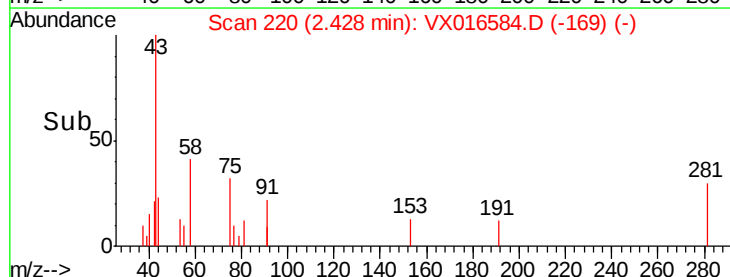
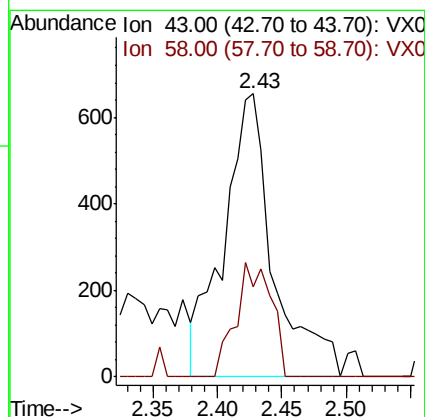
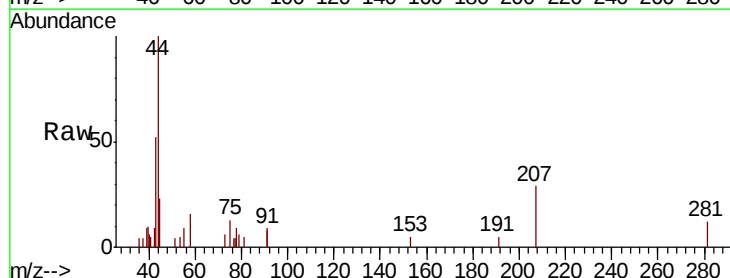
Acq: 04 Jun 2020 16:22

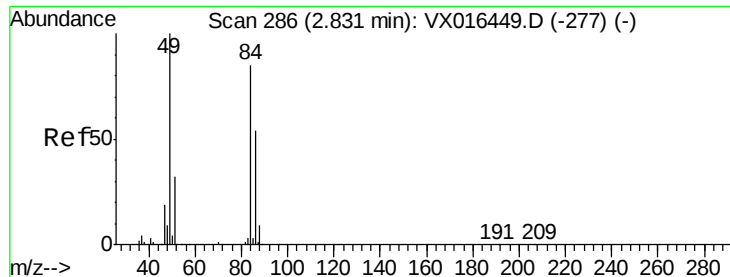
Tgt Ion: 43 Resp: 1755

Ion Ratio Lower Upper

43 100

58 31.7 26.1 39.1





#20

Methylene Chloride

Concen: 1.097 ug/l

RT: 2.82 min Scan# 285

Delta R.T. -0.01 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 2839

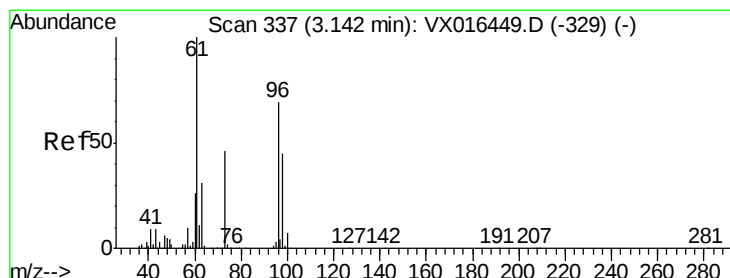
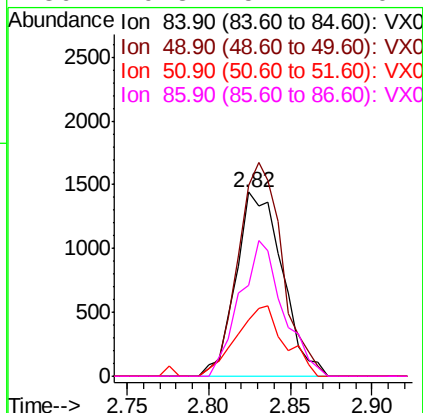
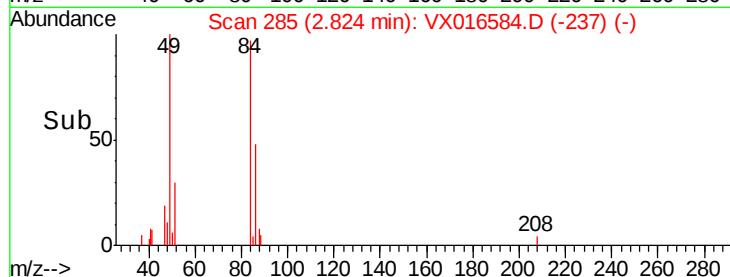
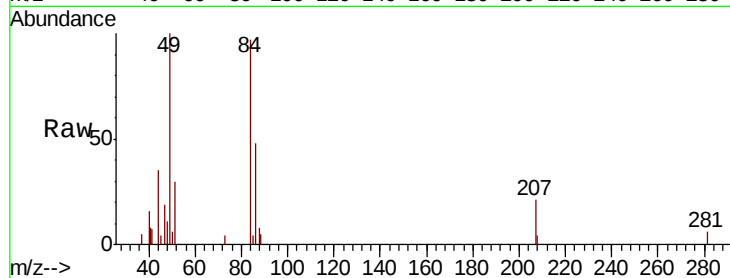
Ion Ratio Lower Upper

84 100

49 103.5 94.5 141.7

51 30.8 30.2 45.4

86 49.3 51.1 76.7#



#21

trans-1,2-Dichloroethene

Concen: 0.601 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

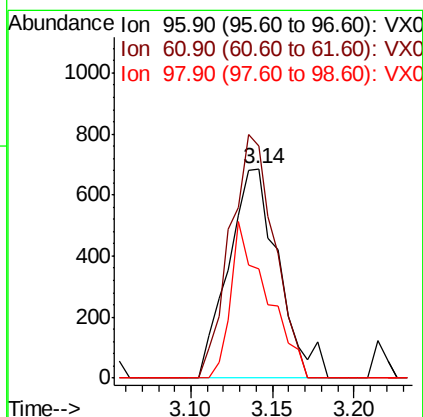
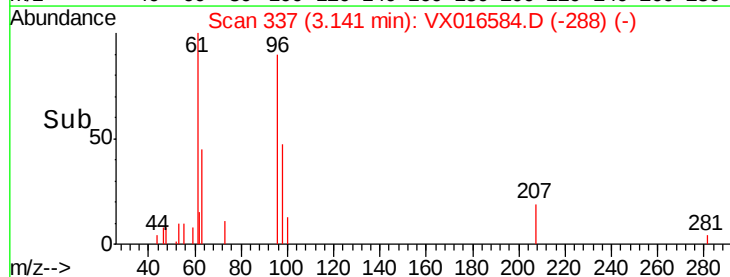
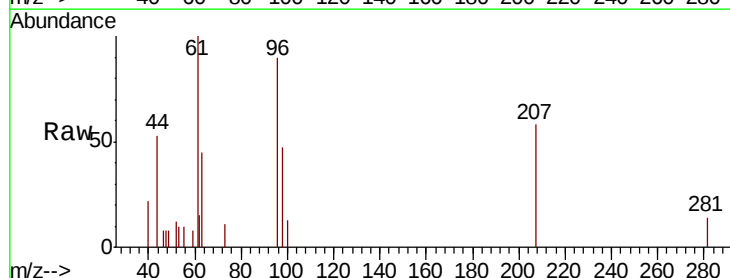
Tgt Ion: 96 Resp: 1470

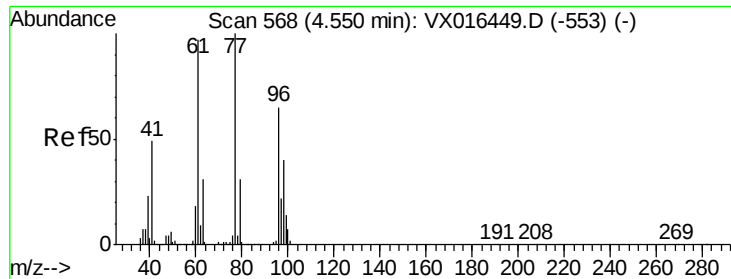
Ion Ratio Lower Upper

96 100

61 110.8 115.3 172.9#

98 52.2 51.9 77.9

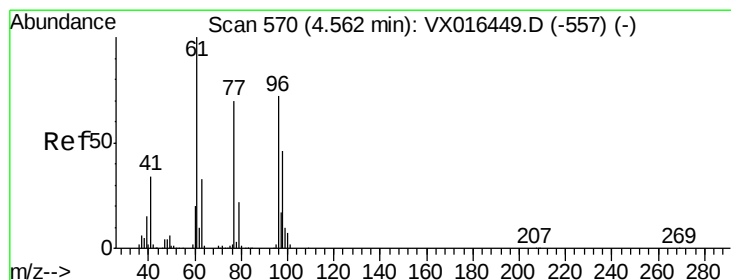
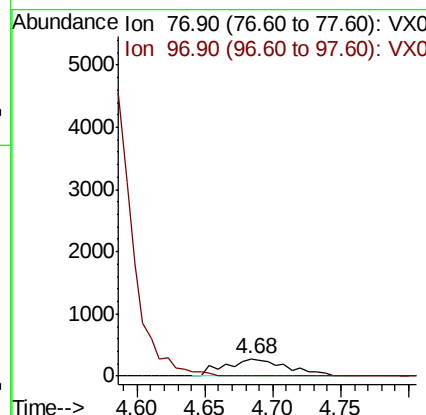
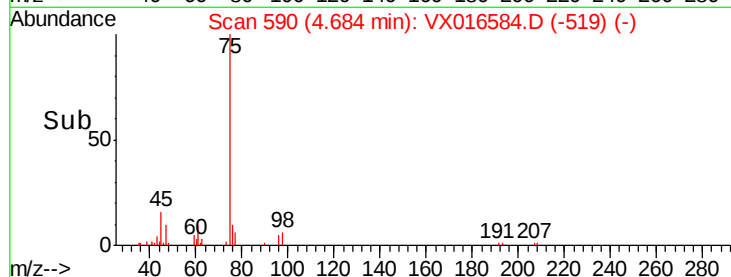
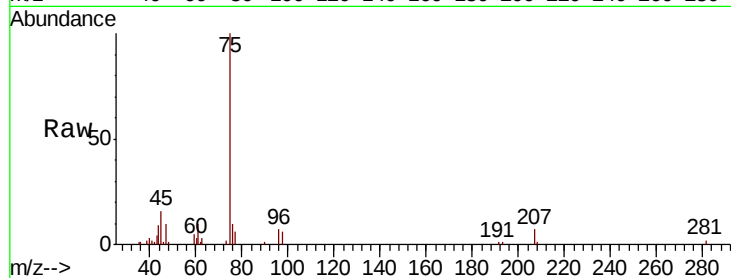




#26
 2,2-Dichloropropane
 Concen: 0.248 ug/l
 RT: 4.68 min Scan# 590
 Delta R.T. 0.13 min
 Lab File: VX016584.D
 Acq: 04 Jun 2020 16:22

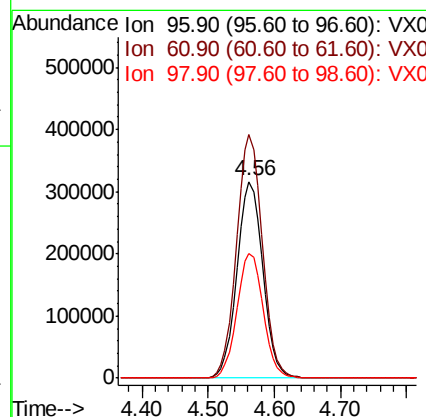
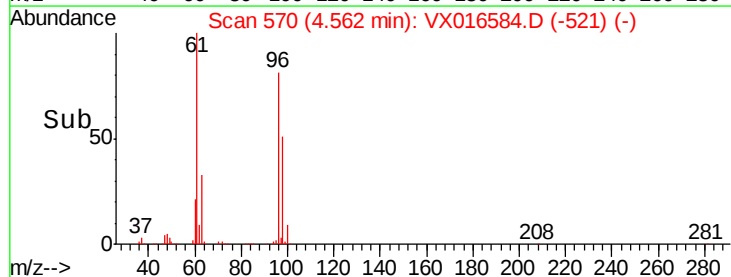
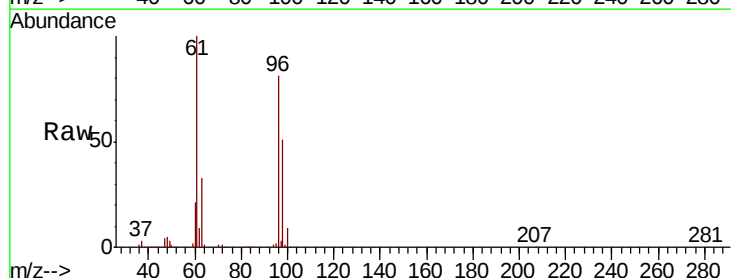
Instrument :
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 ClientSampled :

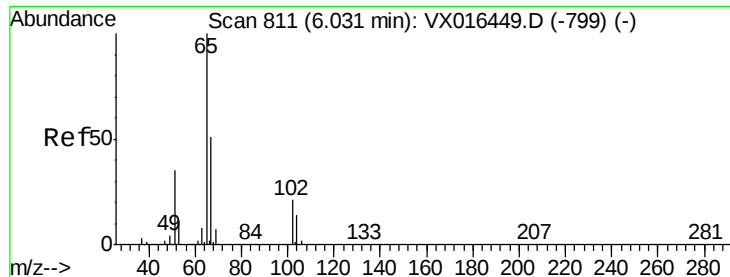
Tot Ion: 77 Resp: 895
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.5 34.4#



#27
 cis-1,2-Dichloroethene
 Concen: 303.553 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX016584.D
 Acq: 04 Jun 2020 16:22

Tgt Ion: 96 Resp: 859252
 Ion Ratio Lower Upper
 96 100
 61 123.8 0.0 284.6
 98 64.4 0.0 127.2

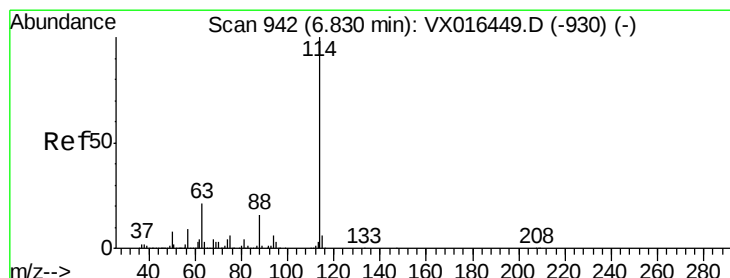
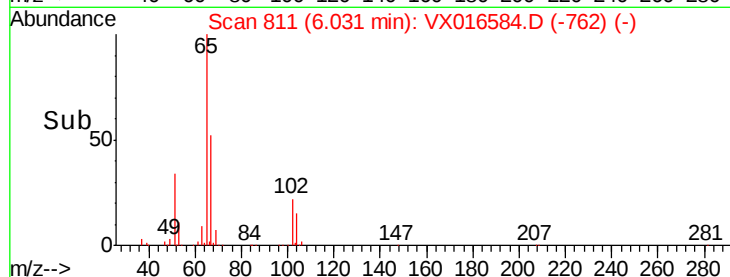
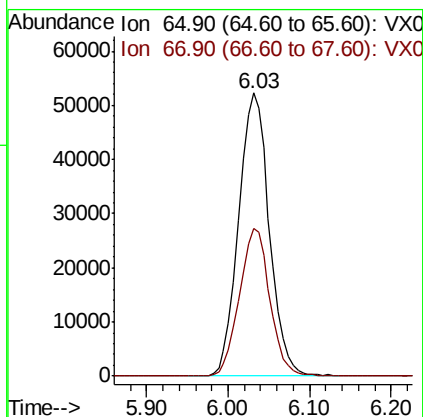
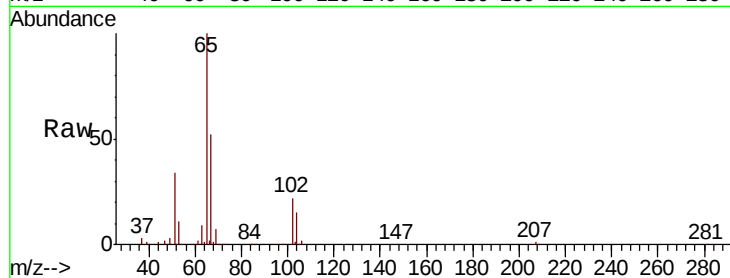




#33
 1,2-Dichloroethane-d4
 Concen: 47.728 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016584.D
 Acq: 04 Jun 2020 16:22

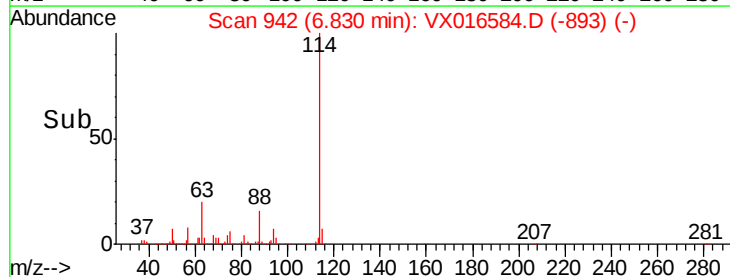
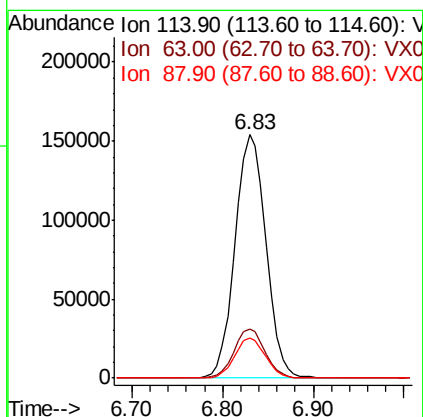
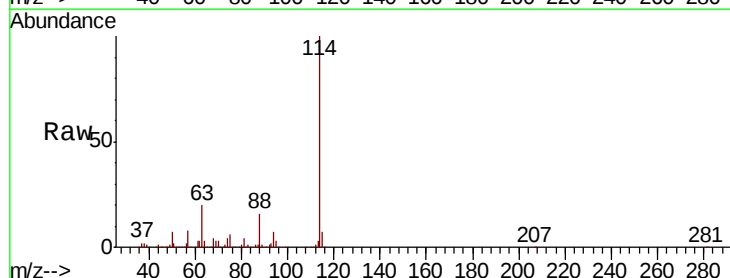
Instrument :
 MSVOA_X
 ClientSampleId :

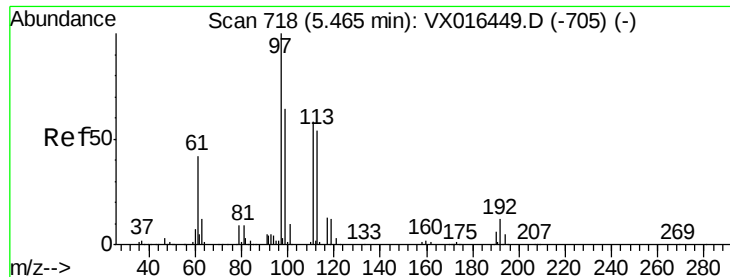
Tot Ion: 65 Resp: 136263
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016584.D
 Acq: 04 Jun 2020 16:22

Tgt Ion: 114 Resp: 366838
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.6
 88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.771 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

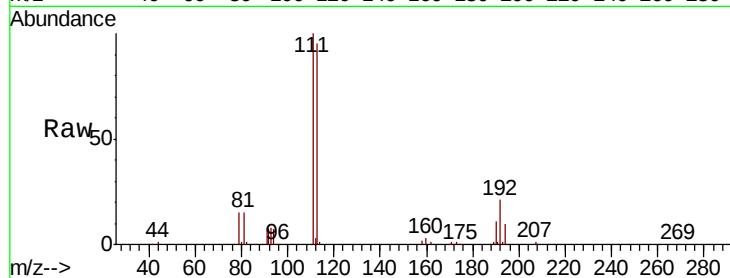
Tot Ion:113 Resp: 112422

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.6

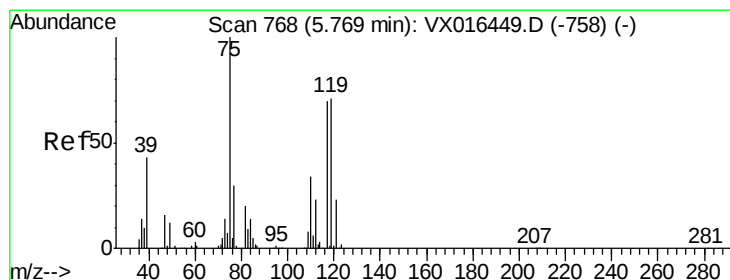
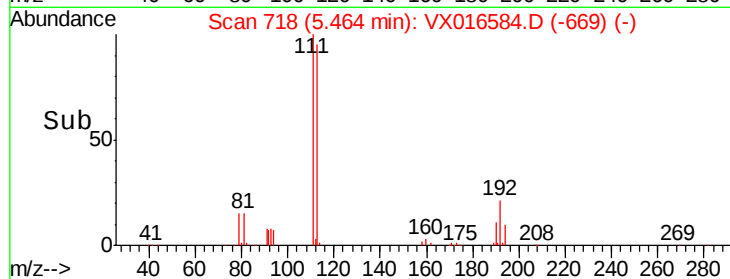
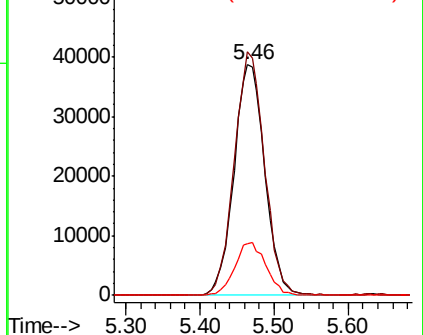
192 23.2 17.7 26.5



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: 4.654 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

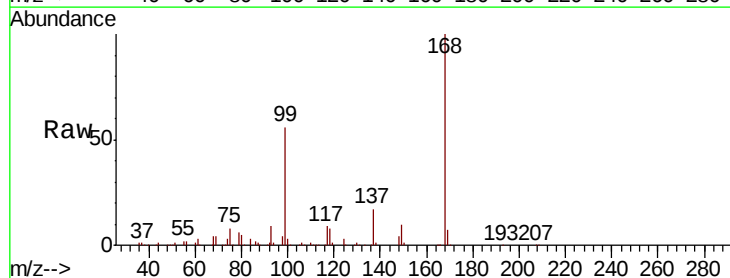
Tgt Ion: 75 Resp: 16165

Ion Ratio Lower Upper

75 100

110 9.9 17.4 52.3#

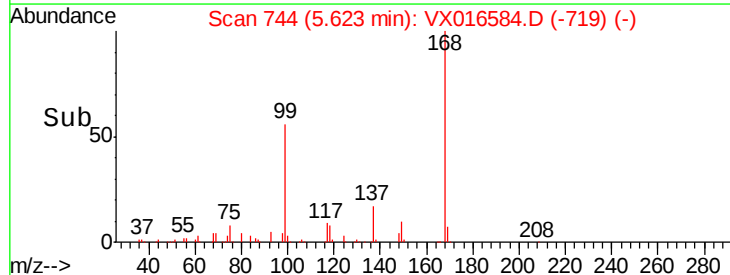
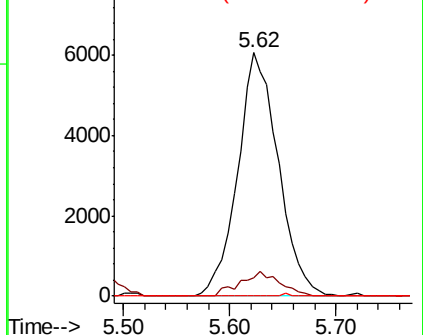
77 0.0 24.2 36.4#

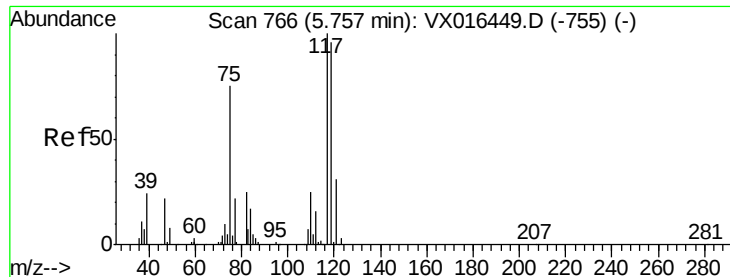


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

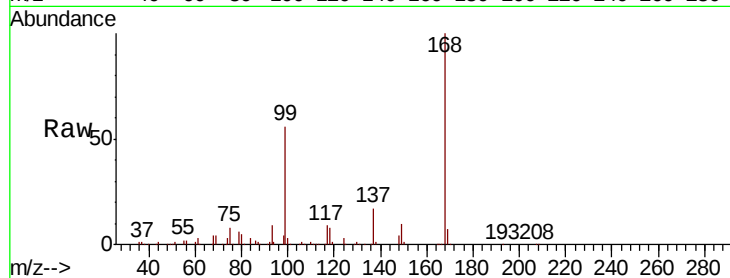




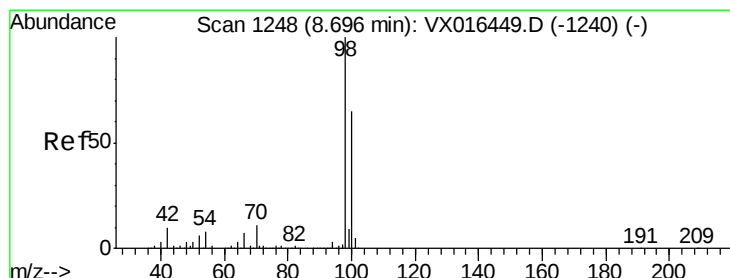
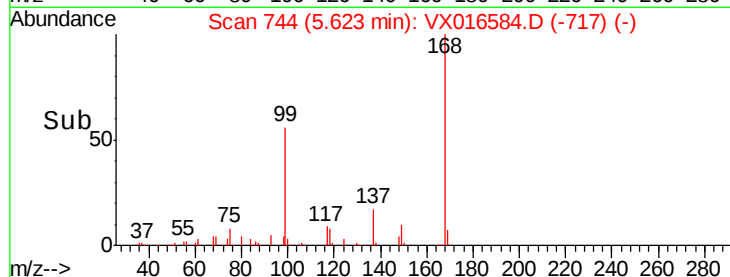
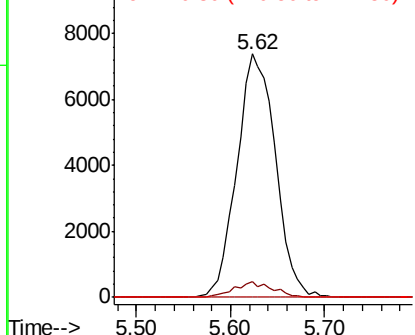
#38
Carbon Tetrachloride
Concen: 5.802 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX016584.D
Acq: 04 Jun 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 21178
Ion Ratio Lower Upper
117 100
119 6.3 76.3 114.5#
121 0.0 24.6 37.0#

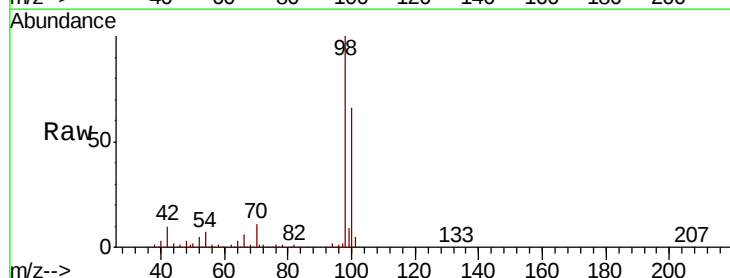


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

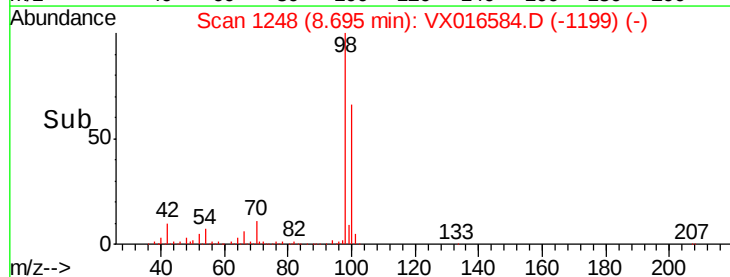
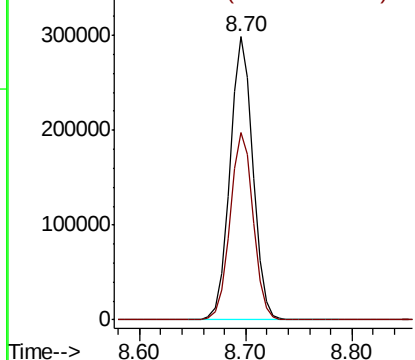


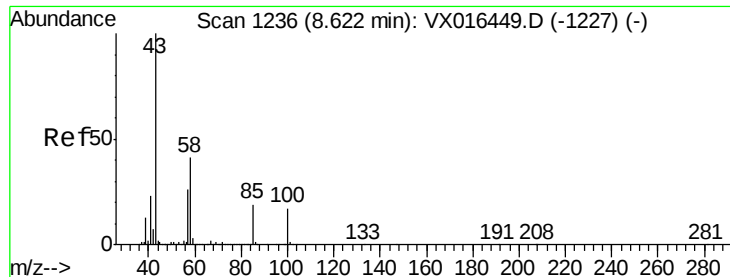
#50
Toluene-d8
Concen: 51.181 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016584.D
Acq: 04 Jun 2020 16:22

Tgt Ion: 98 Resp: 449967
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.244 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

Instrument :

MSVOA_X

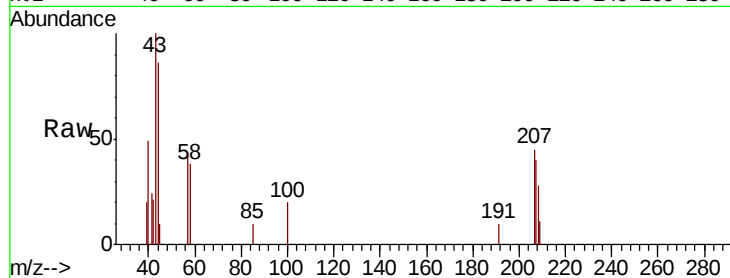
ClientSampled :

Tot Ion: 43 Resp: 990

Ion Ratio Lower Upper

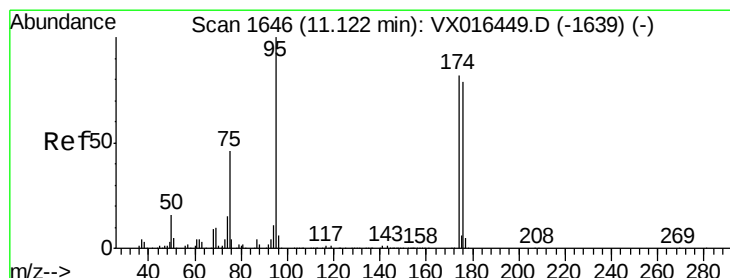
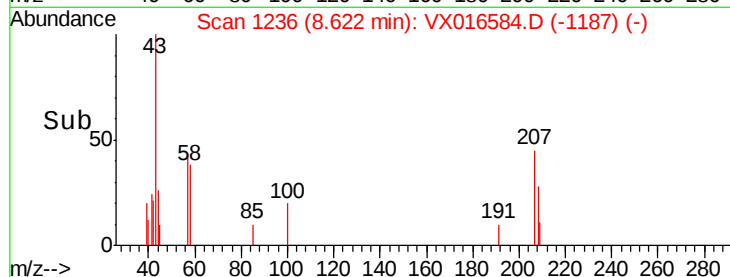
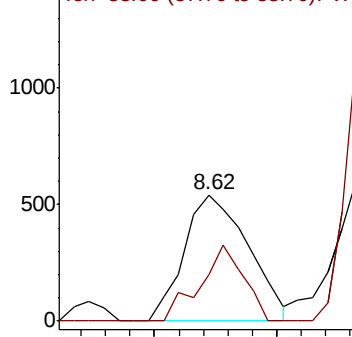
43 100

58 40.9 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: 56.852 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

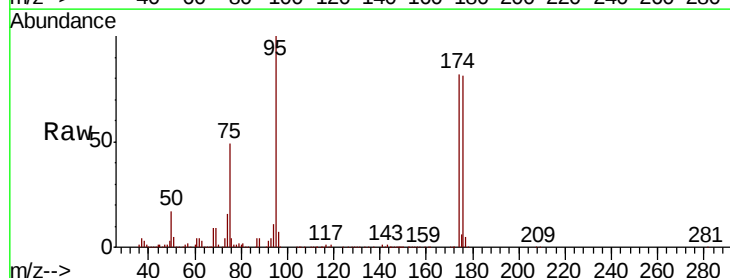
Tgt Ion: 95 Resp: 193132

Ion Ratio Lower Upper

95 100

174 83.9 0.0 163.0

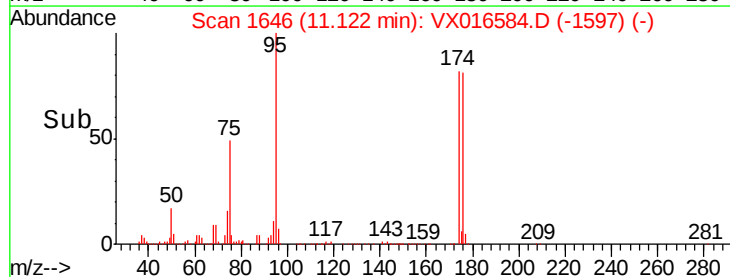
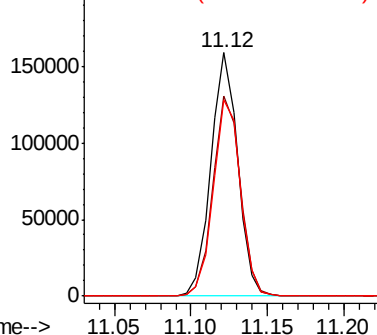
176 81.8 0.0 156.8

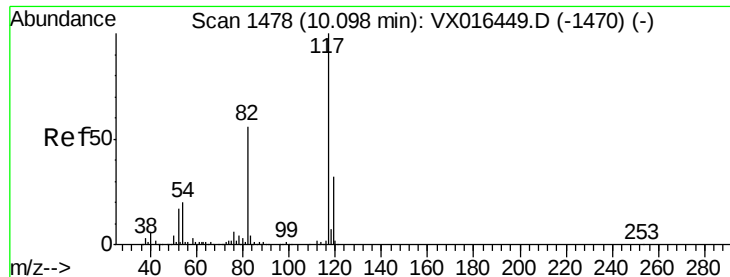


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

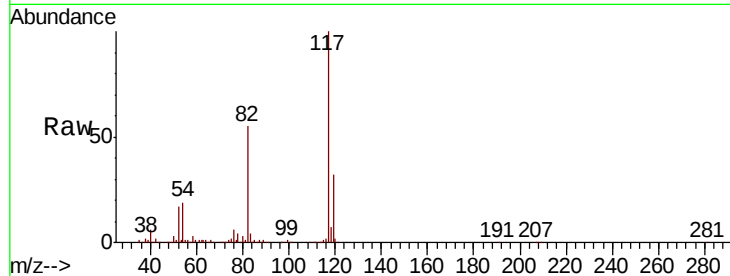




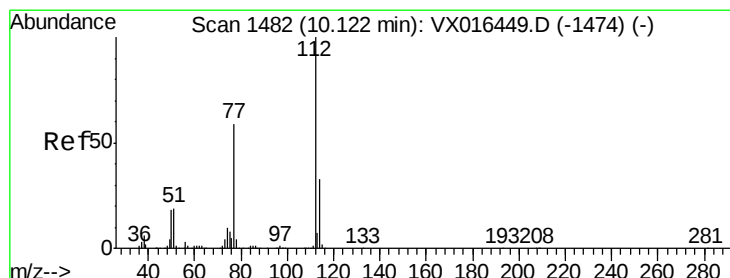
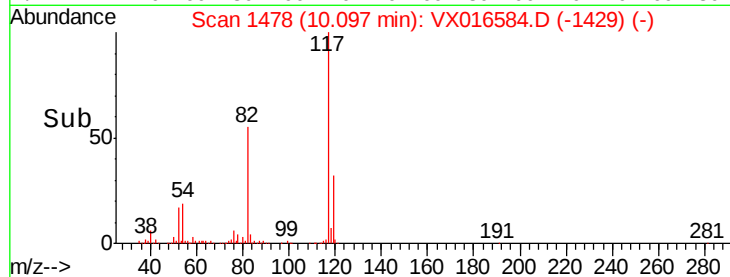
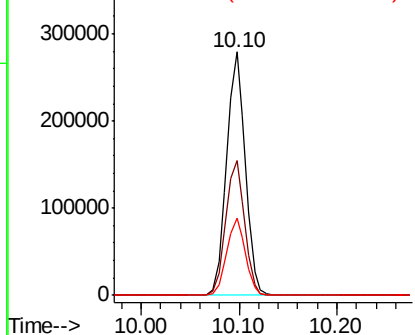
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016584.D
Acq: 04 Jun 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 368806
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.6
119 31.8 25.8 38.8

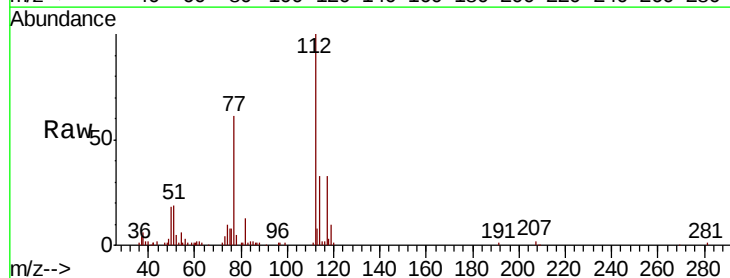


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

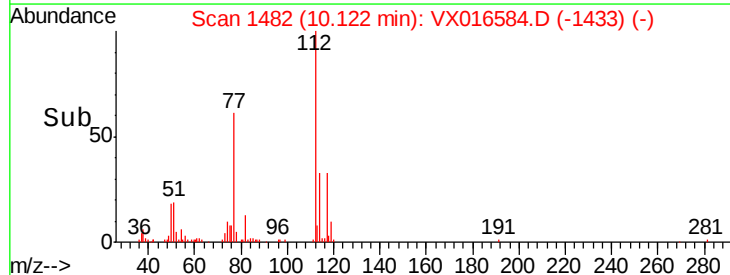
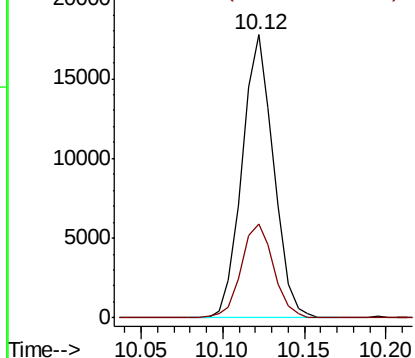


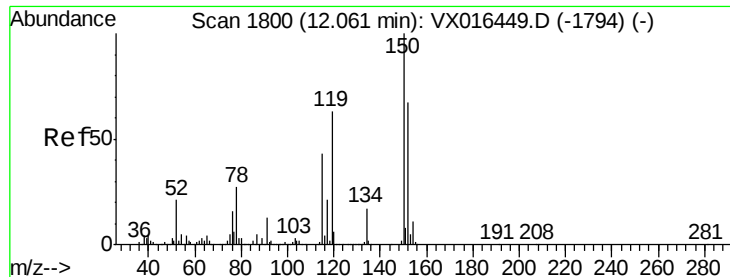
#65
Chlorobenzene
Concen: 3.182 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016584.D
Acq: 04 Jun 2020 16:22

Tgt Ion:112 Resp: 23924
Ion Ratio Lower Upper
112 100
114 33.2 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: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

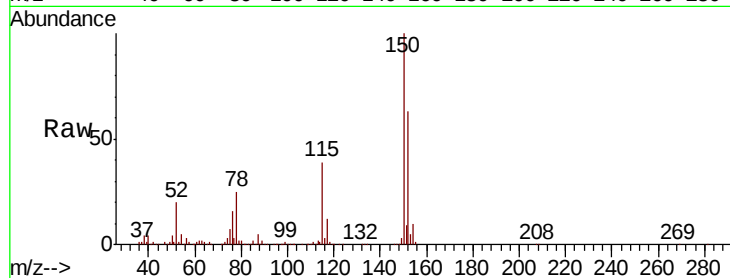
Tot Ion:152 Resp: 201952

Ion Ratio Lower Upper

152 100

115 59.1 39.9 119.6

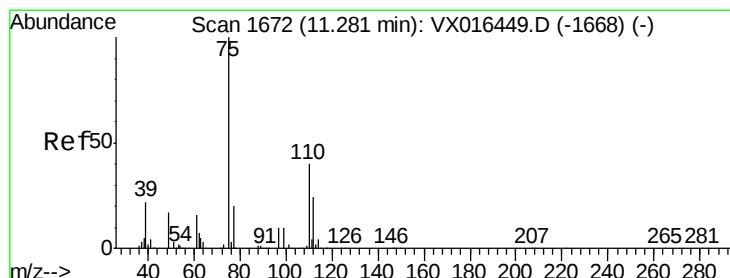
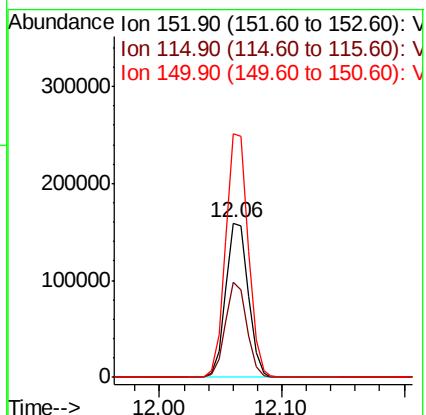
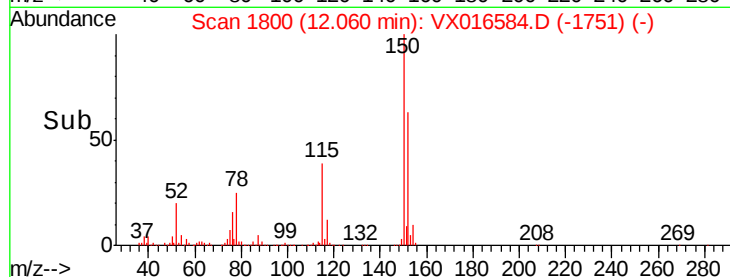
150 157.5 0.0 341.0



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: 21.173 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016584.D

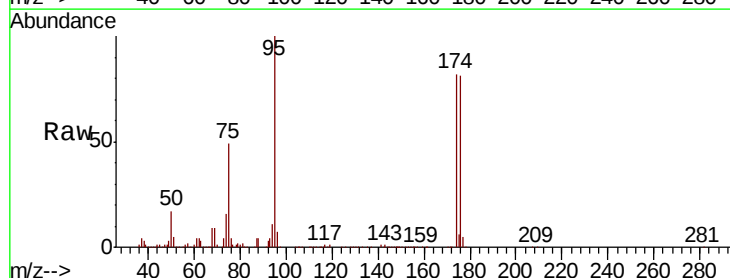
Acq: 04 Jun 2020 16:22

Tgt Ion: 75 Resp: 93988

Ion Ratio Lower Upper

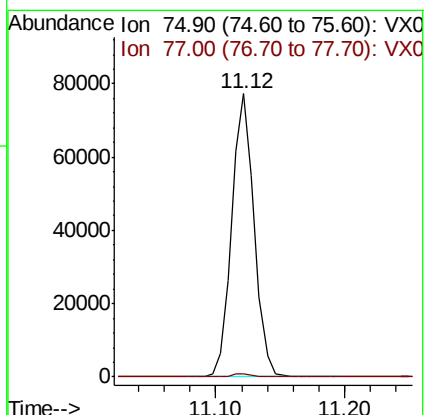
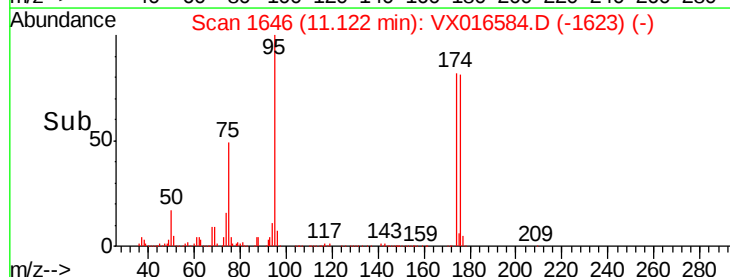
75 100

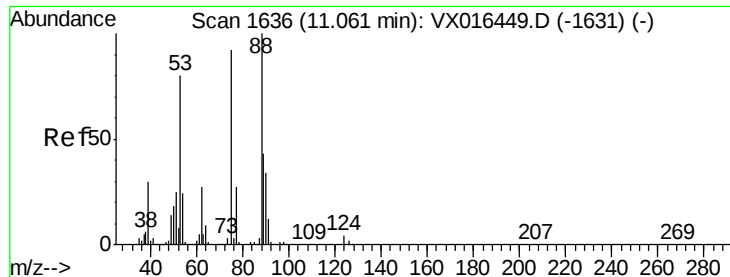
77 1.1 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.083 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

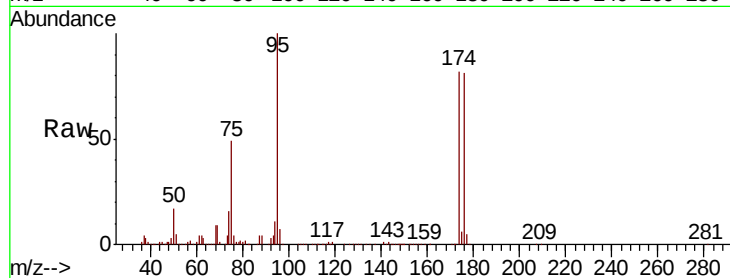
Tot Ion: 75 Resp: 93988

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

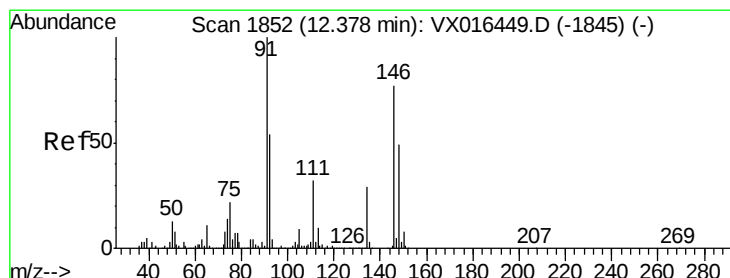
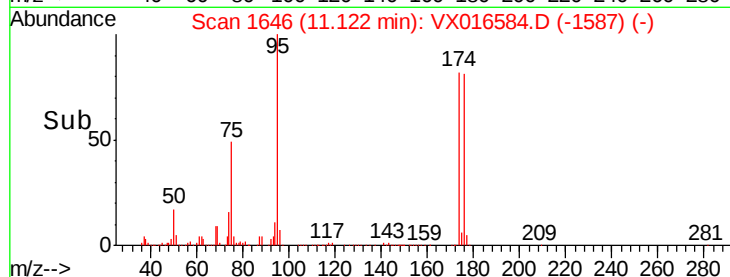
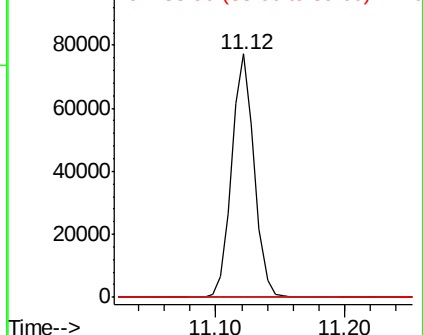


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#91

1,2-Dichlorobenzene

Concen: 1.172 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016584.D

Acq: 04 Jun 2020 16:22

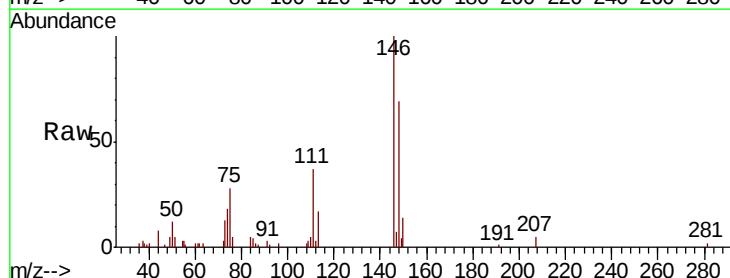
Tgt Ion: 146 Resp: 7217

Ion Ratio Lower Upper

146 100

111 40.5 21.4 64.3

148 67.6 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

