

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016587.D
 Acq On : 04 Jun 2020 17:30
 Operator : JC/SP
 Sample : L2894-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 04:23:05 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	242479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	383290	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	382519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	193068	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	143050	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
35) Dibromofluoromethane	5.47	113	115916	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	8.70	98	469748	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.12	95	188012	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	

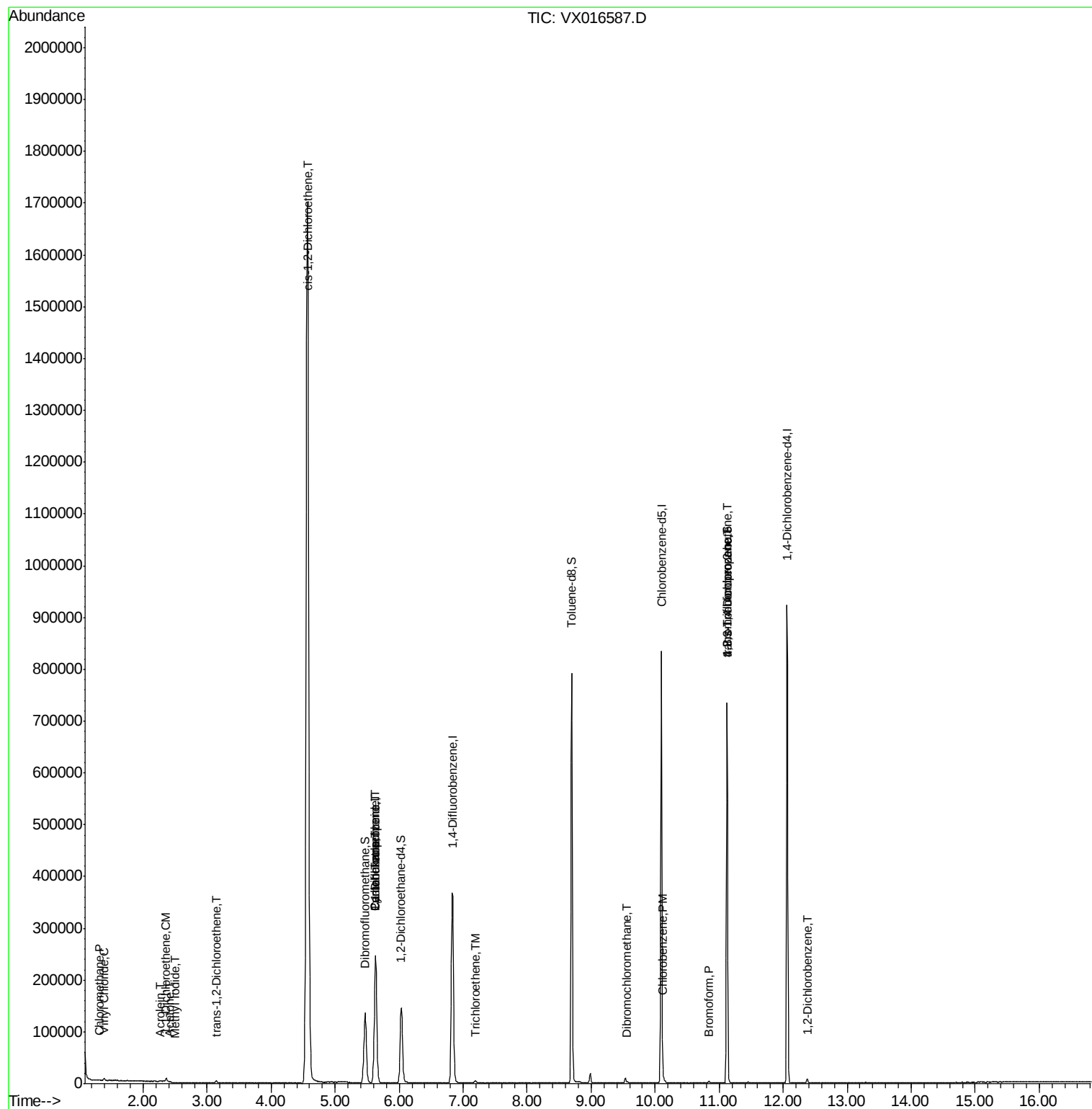
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	702	0.243	ug/l #	87
4) Vinyl Chloride	1.39	62	2266	0.743	ug/l	97
10) Methyl Iodide	2.50	142	79	3.083	ug/l #	74
12) 1,1-Dichloroethene	2.36	96	2055	0.881	ug/l	96
13) Acrolein	2.27	56	195	0.594	ug/l #	53
16) Acetone	2.42	43	1443	1.094	ug/l	89
21) trans-1,2-Dichloroethene	3.15	96	2031	0.787	ug/l	85
27) cis-1,2-Dichloroethene	4.57	96	1125789	377.074	ug/l	89
31) Cyclohexane	5.62	56	4077	0.974	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16542	4.558	ug/l #	51
38) Carbon Tetrachloride	5.63	117	22800	5.978	ug/l #	16
44) Trichloroethene	7.19	130	1518	0.443	ug/l	100
60) Dibromochloromethane	9.57	129	872	0.286	ug/l	90
65) Chlorobenzene	10.12	112	3101	0.398	ug/l	99
71) Bromoform	10.84	173	1455	0.578	ug/l #	88
76) 1,2,3-Trichloropropane	11.12	75	92290	21.747	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	92290	53.495	ug/l #	14
91) 1,2-Dichlorobenzene	12.38	146	2441	0.414	ug/l	97

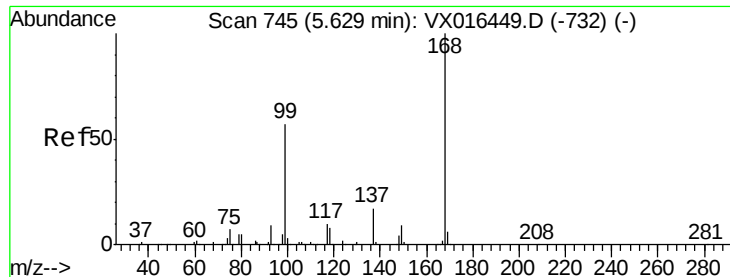
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
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: VX016587.D

Acq: 04 Jun 2020 17:30

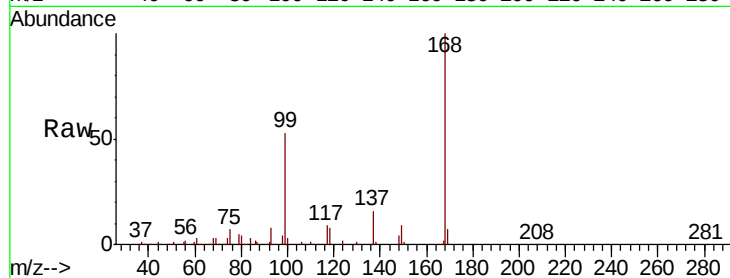
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 242479

Ion Ratio Lower Upper

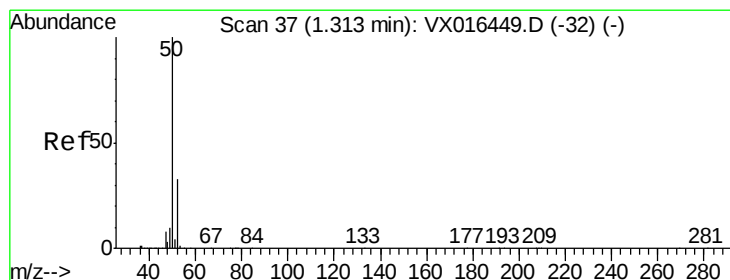
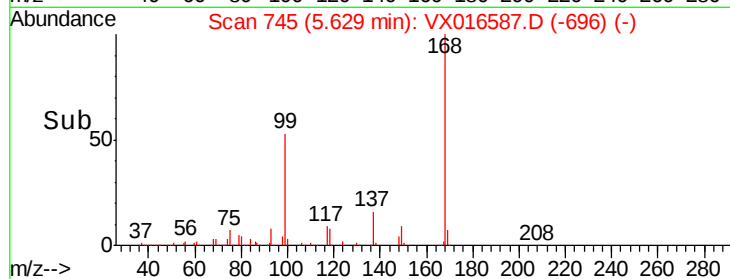
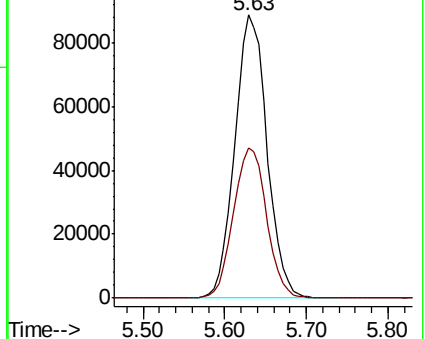
168 100

99 52.9 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: 0.243 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016587.D

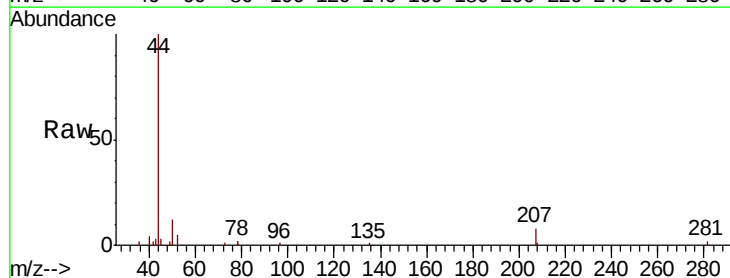
Acq: 04 Jun 2020 17:30

Tgt Ion: 50 Resp: 702

Ion Ratio Lower Upper

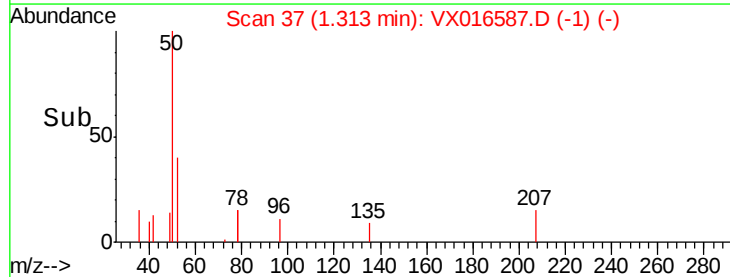
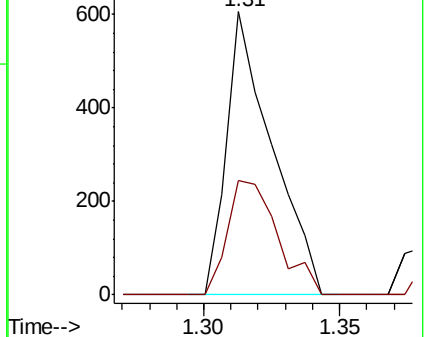
50 100

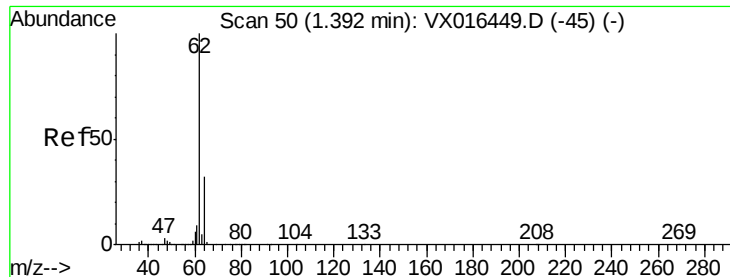
52 40.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.743 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016587.D

Acq: 04 Jun 2020 17:30

Instrument :

MSVOA_X

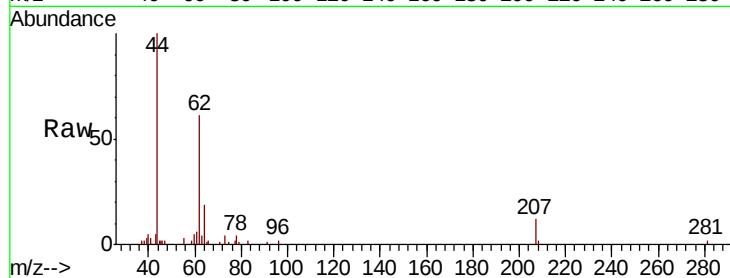
ClientSampleId :

Tot Ion: 62 Resp: 2266

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

2500

2000

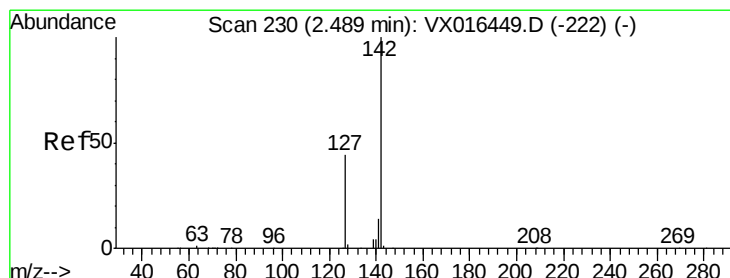
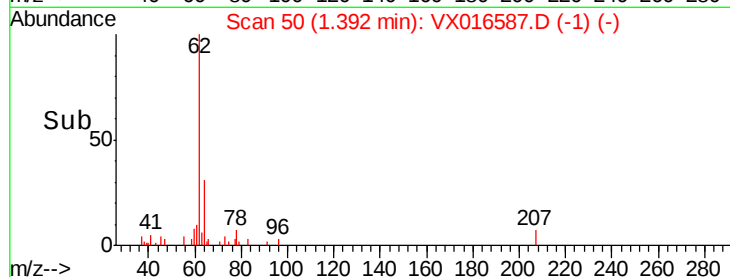
1500

1000

500

0

Time-->



#10

Methyl Iodide

Concen: 3.083 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX016587.D

Acq: 04 Jun 2020 17:30

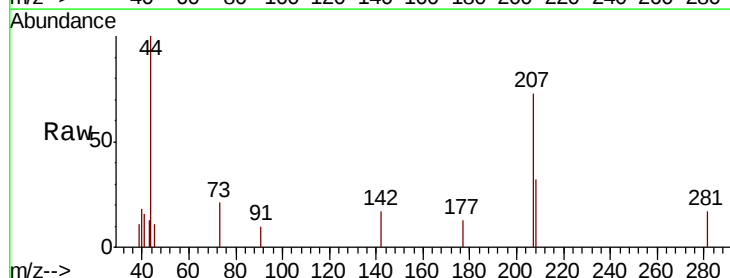
Tgt Ion: 142 Resp: 79

Ion Ratio Lower Upper

142 100

127 29.1 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

100

80

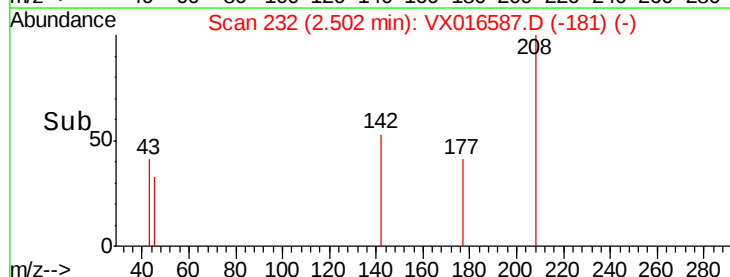
60

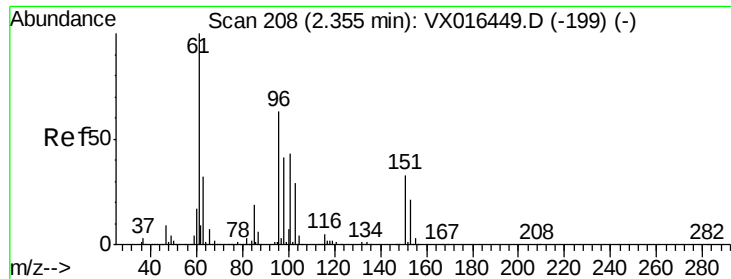
40

20

0

Time-->

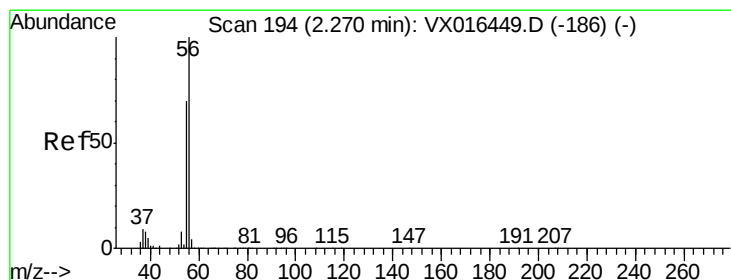
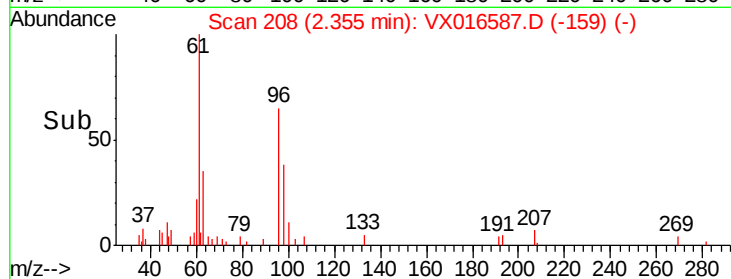
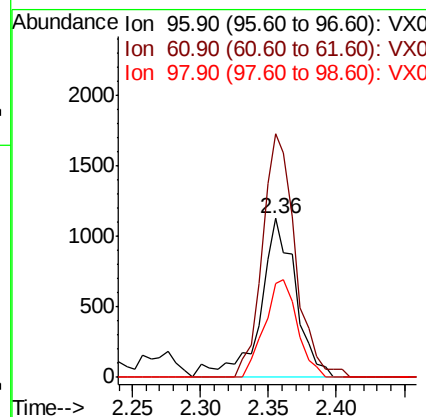
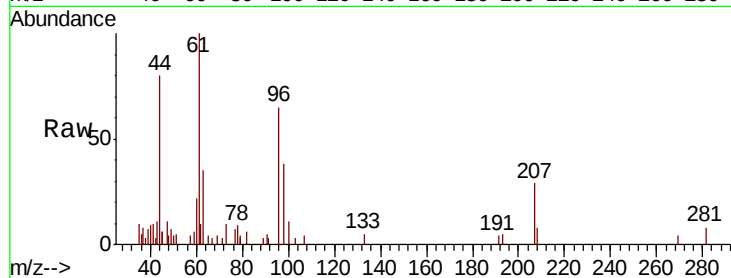




#12
 1,1-Dichloroethene
 Concen: 0.881 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016587.D
 Acq: 04 Jun 2020 17:30

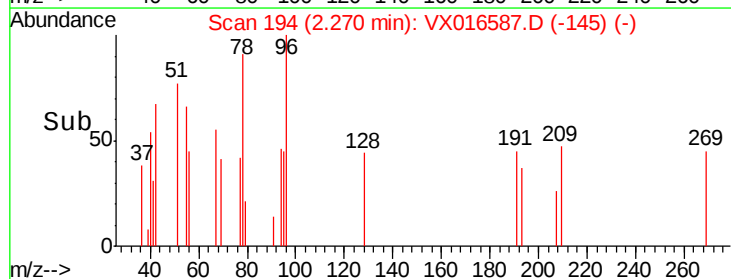
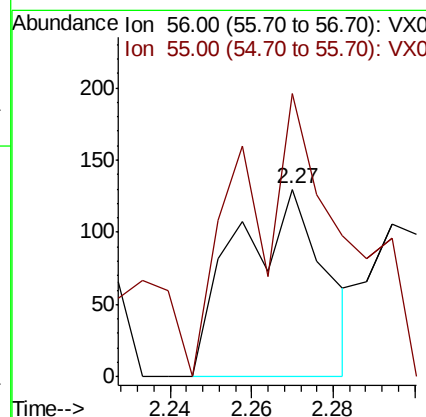
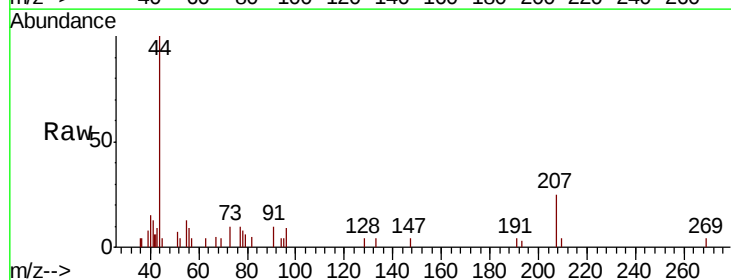
Instrument :
 MSVOA_X
 ClientSampleId :

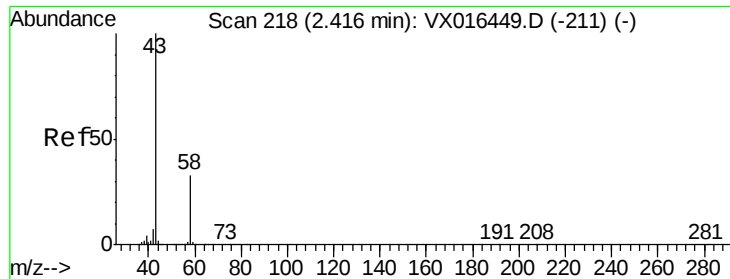
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.6	126.6	189.8
98	58.9	51.3	76.9



#13
 Acrolein
 Concen: 0.594 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX016587.D
 Acq: 04 Jun 2020 17:30

Tgt Ion	Ratio	Lower	Upper
56	100		
55	112.3	58.3	87.5#





#16

Acetone

Concen: 1.094 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016587.D

Acq: 04 Jun 2020 17:30

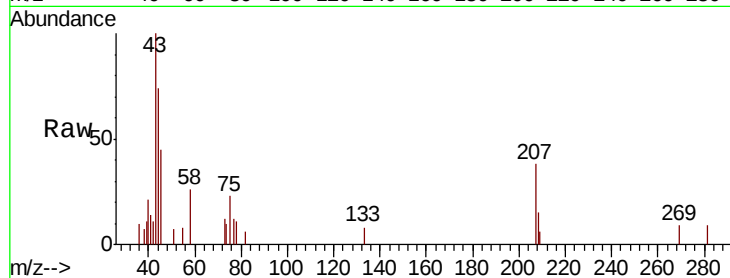
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1443

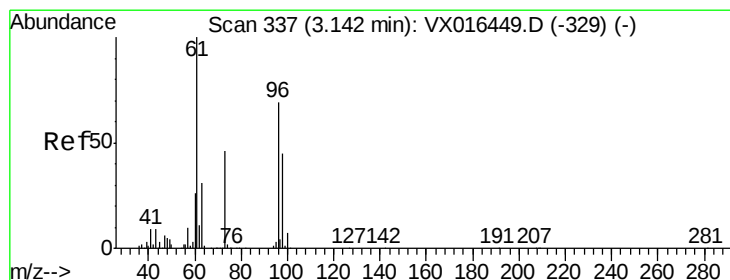
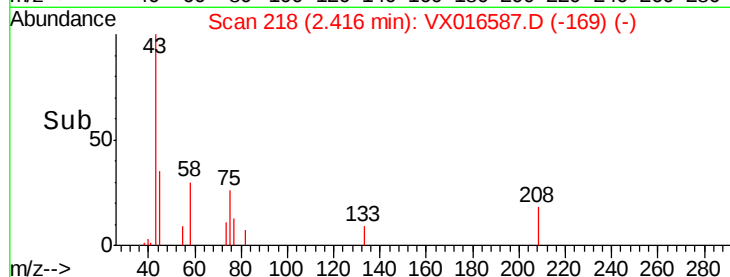
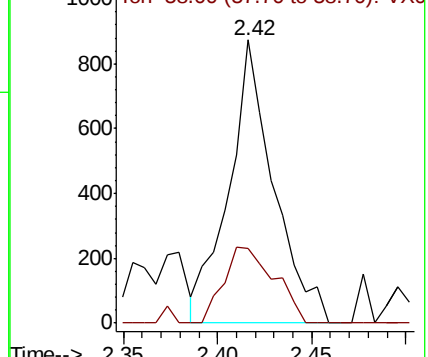
Ion Ratio Lower Upper

43 100

58 26.5 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.787 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016587.D

Acq: 04 Jun 2020 17:30

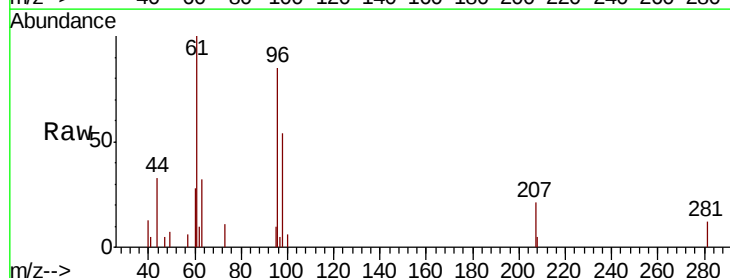
Tgt Ion: 96 Resp: 2031

Ion Ratio Lower Upper

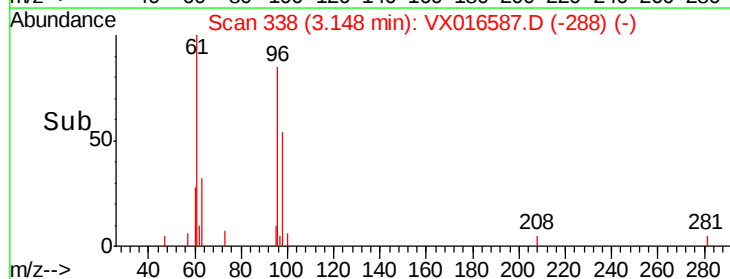
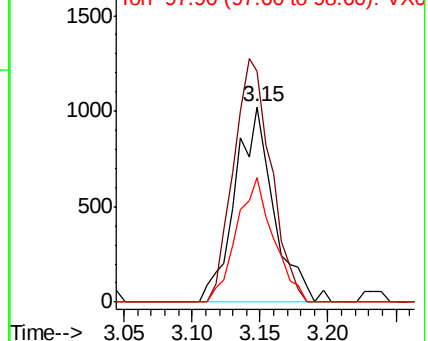
96 100

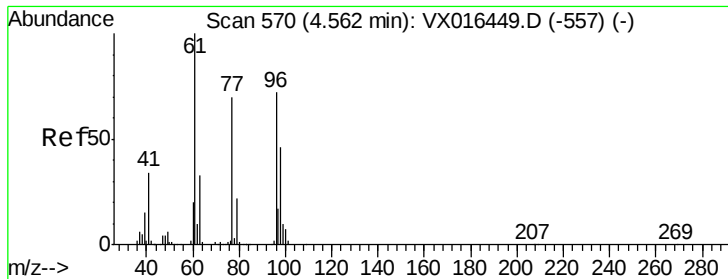
61 118.3 115.3 172.9

98 63.8 51.9 77.9



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



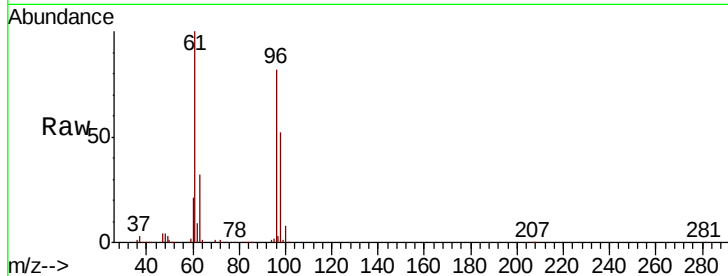


#27

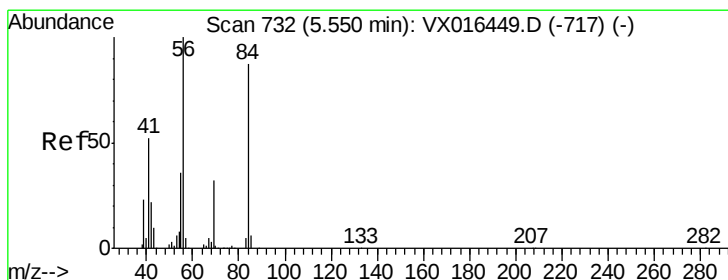
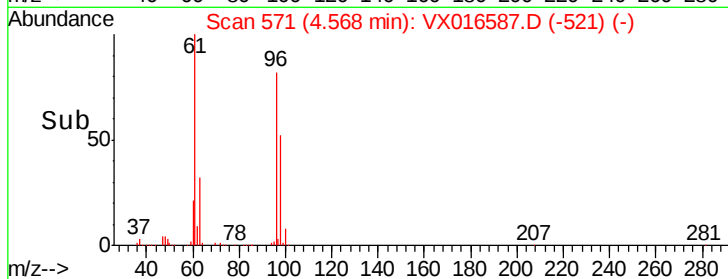
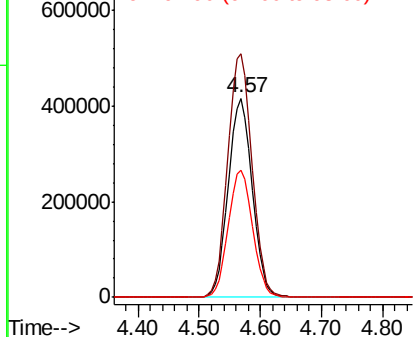
cis-1,2-Dichloroethene
 Concen: 377.074 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX016587.D
 Acq: 04 Jun 2020 17:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 96 Resp: 1125789
 Ion Ratio Lower Upper
 96 100
 61 124.1 0.0 284.6
 98 64.5 0.0 127.2



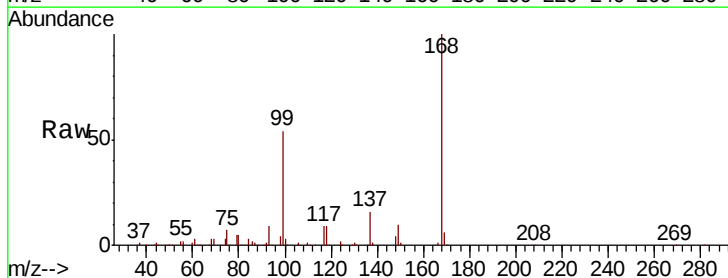
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



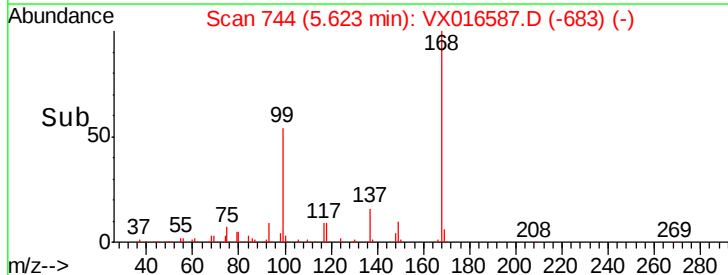
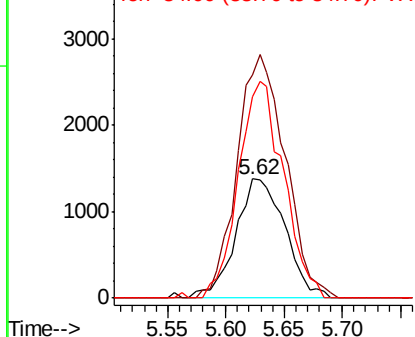
#31

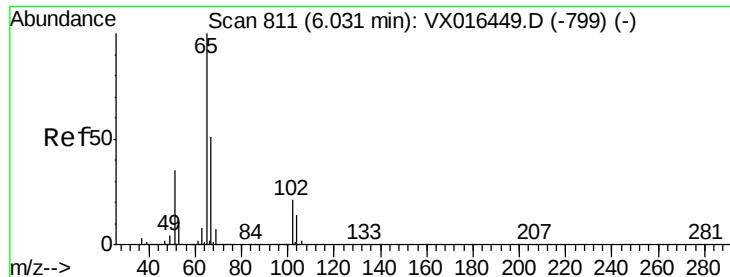
Cyclohexane
 Concen: 0.974 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. 0.07 min
 Lab File: VX016587.D
 Acq: 04 Jun 2020 17:30

Tgt Ion: 56 Resp: 4077
 Ion Ratio Lower Upper
 56 100
 69 187.9 25.7 38.5#
 84 169.3 70.0 105.0#



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: 47.505 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016587.D

Acq: 04 Jun 2020 17:30

Instrument :

MSVOA_X

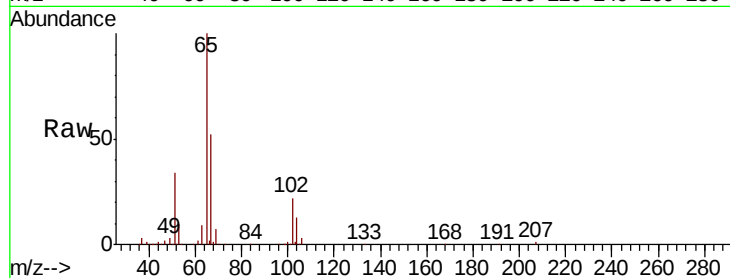
ClientSampleId :

Tot Ion: 65 Resp: 143050

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

60000

50000

40000

30000

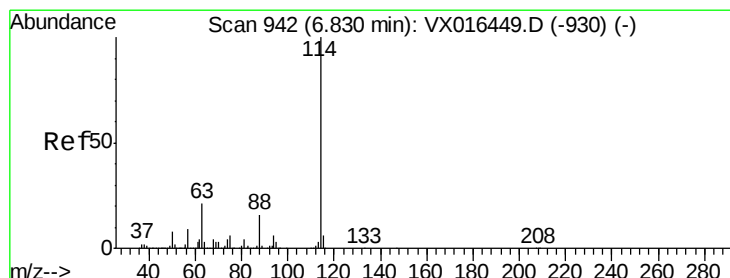
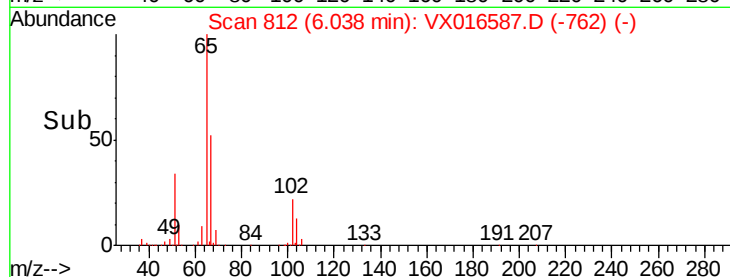
20000

10000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016587.D

Acq: 04 Jun 2020 17:30

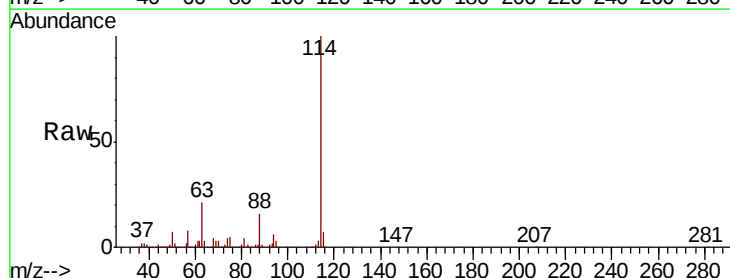
Tgt Ion: 114 Resp: 383290

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 16.4 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

200000

150000

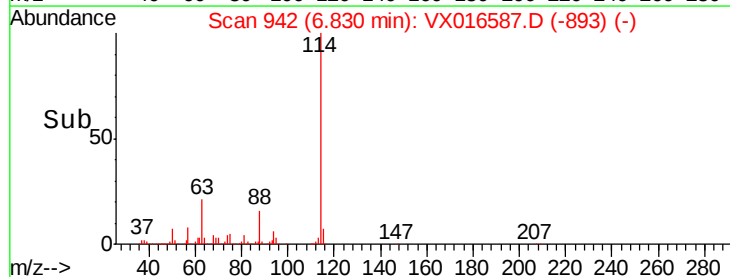
100000

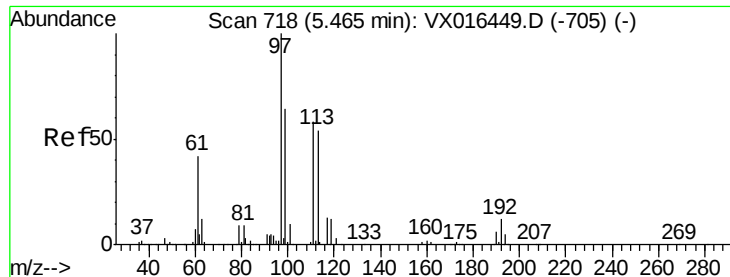
50000

0

6.70 6.80 6.90

Time-->

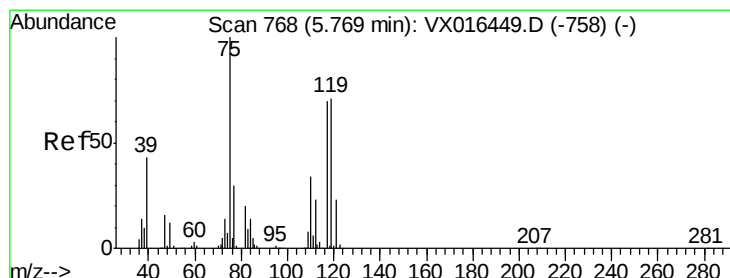
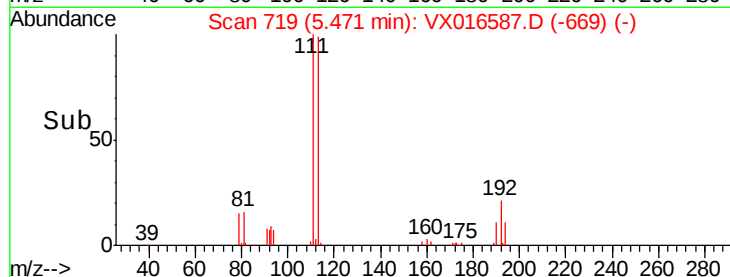
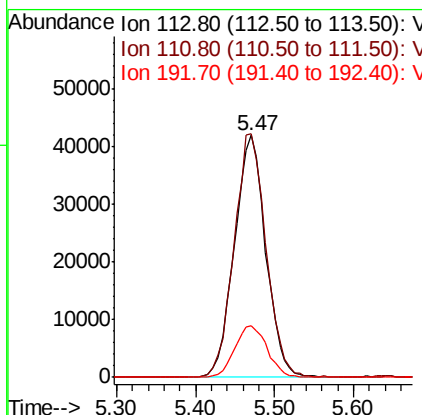
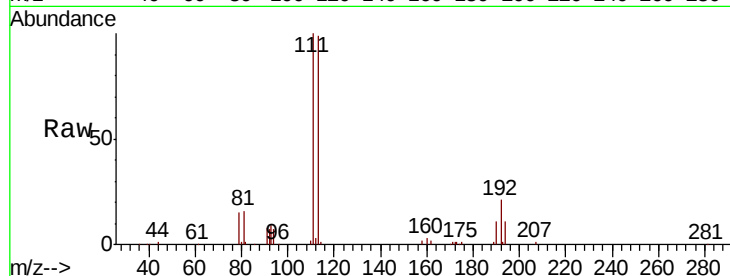




#35
 Dibromofluoromethane
 Concen: 49.115 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016587.D
 Acq: 04 Jun 2020 17:30

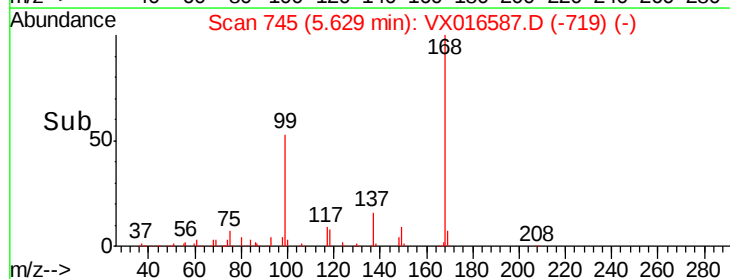
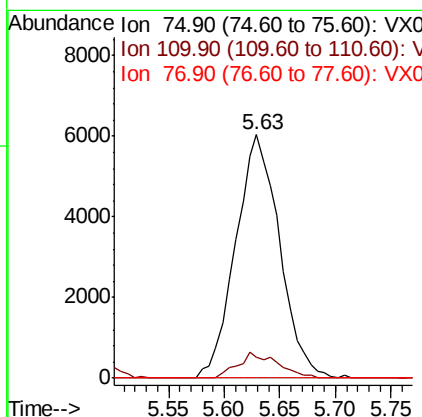
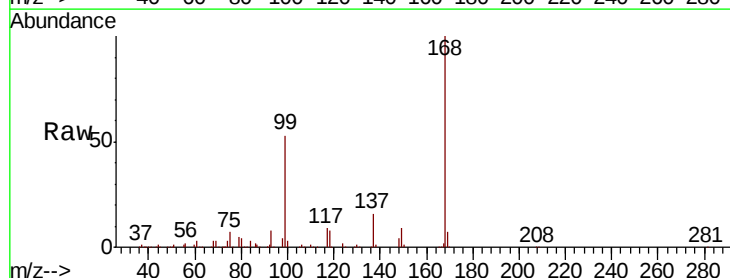
Instrument :
 MSVOA_X
 ClientSampled :

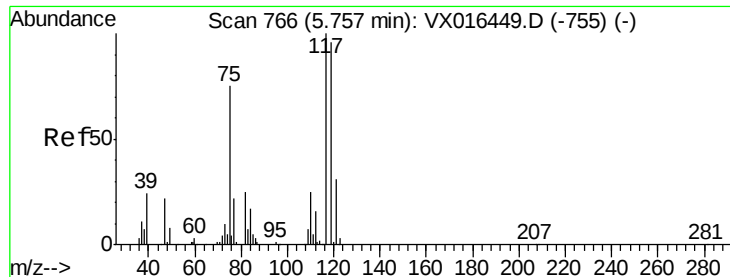
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.6
192	22.2	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.558 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016587.D
 Acq: 04 Jun 2020 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.4	52.3#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.978 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016587.D

Acq: 04 Jun 2020 17:30

Instrument :

MSVOA_X

ClientSampled :

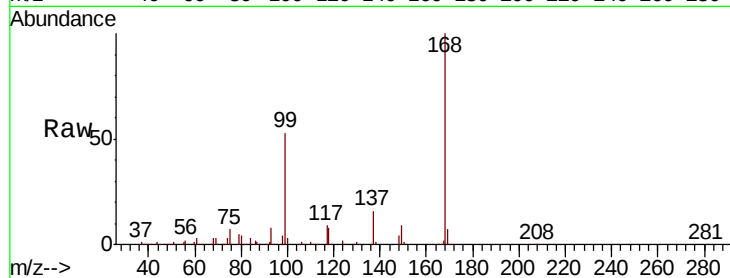
Tot Ion:117 Resp: 22800

Ion Ratio Lower Upper

117 100

119 4.7 76.3 114.5#

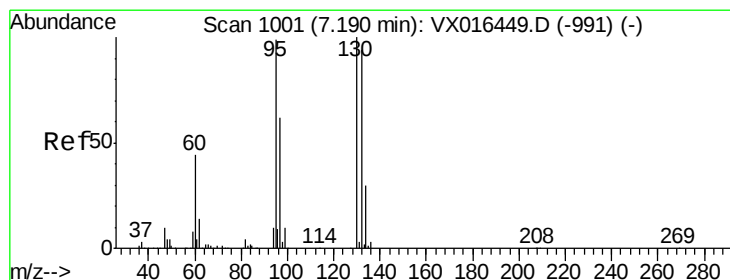
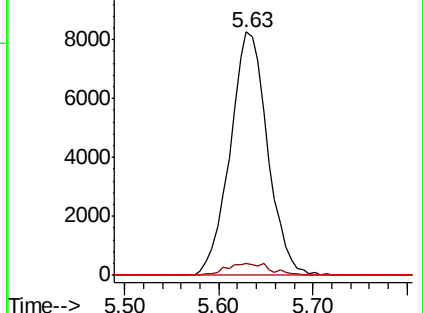
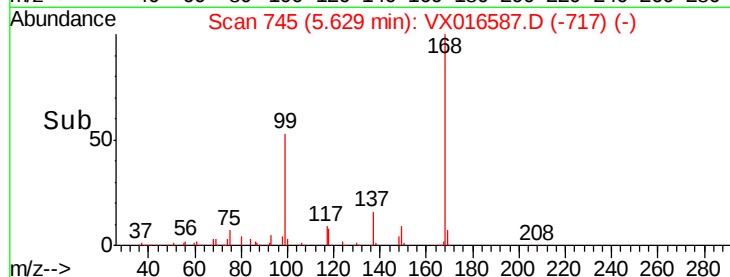
121 0.0 24.6 37.0#



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



#44

Trichloroethene

Concen: 0.443 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016587.D

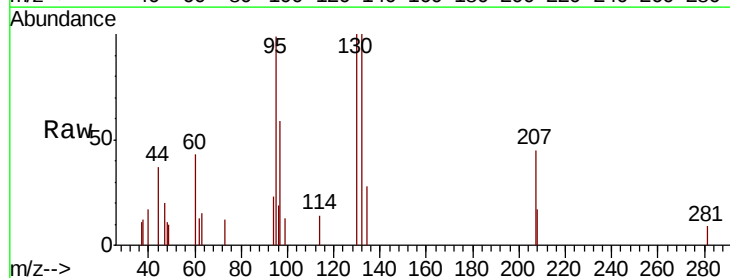
Acq: 04 Jun 2020 17:30

Tgt Ion:130 Resp: 1518

Ion Ratio Lower Upper

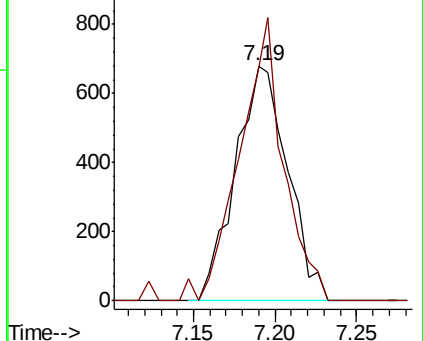
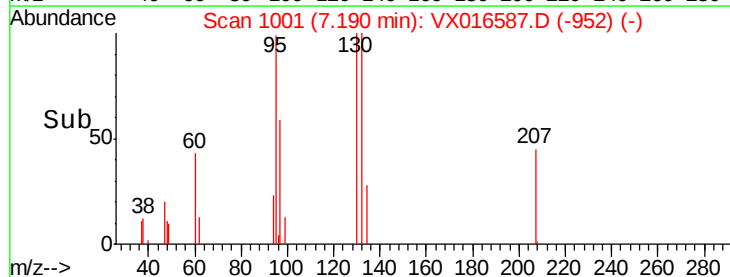
130 100

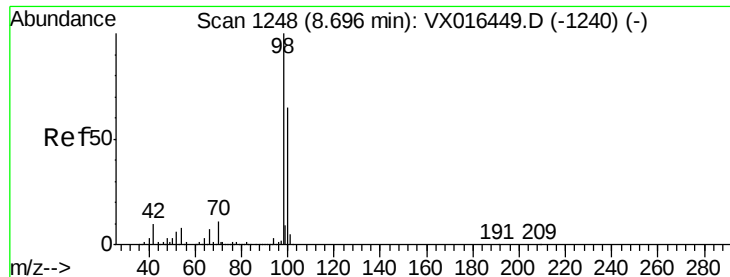
95 99.0 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.137 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016587.D

Acq: 04 Jun 2020 17:30

Instrument :

MSVOA_X

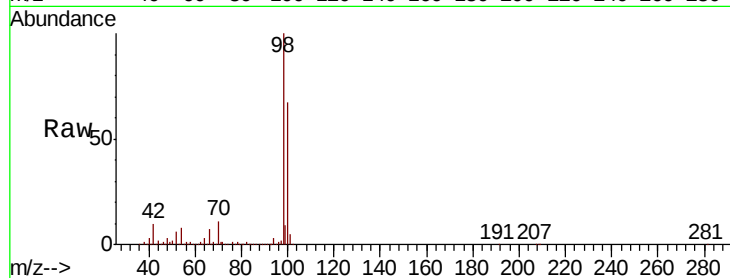
ClientSampleId :

Tot Ion: 98 Resp: 469748

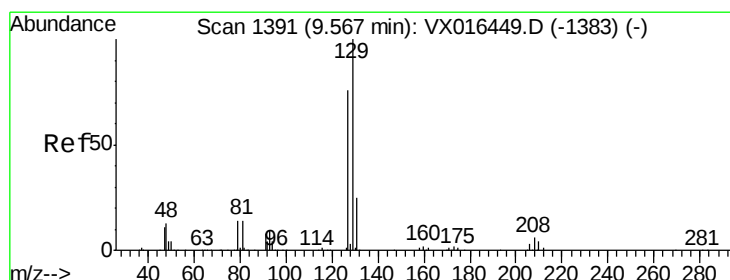
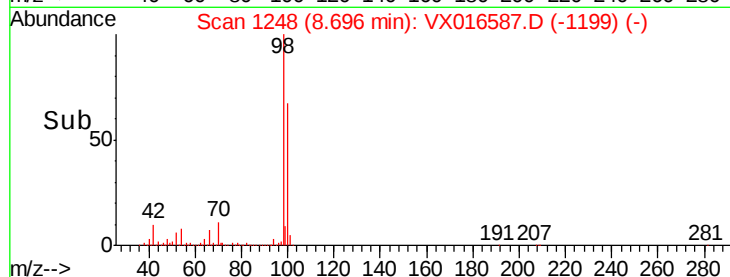
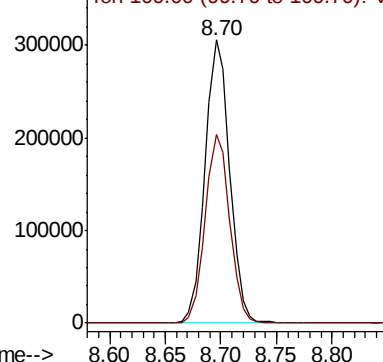
Ion Ratio Lower Upper

98 100

100 66.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX016449.D (-1240) (-)



#60

Dibromochloromethane

Concen: 0.286 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX016587.D

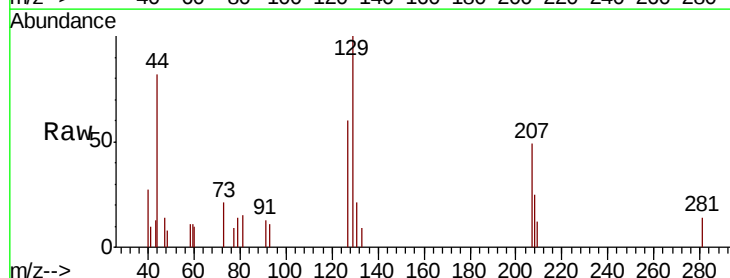
Acq: 04 Jun 2020 17:30

Tgt Ion: 129 Resp: 872

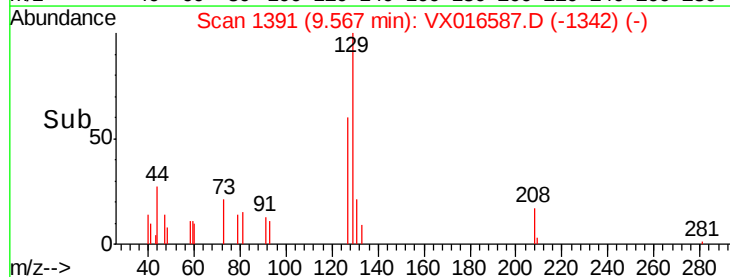
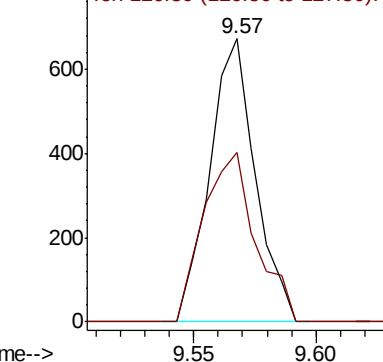
Ion Ratio Lower Upper

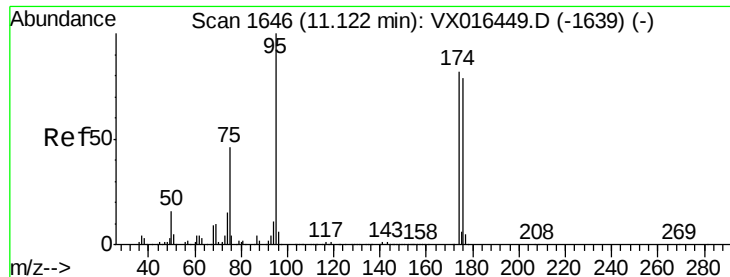
129 100

127 68.3 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): VX016449.D (-1383) (-)





#62

4-Bromofluorobenzene

Concen: 52.969 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016587.D

Acq: 04 Jun 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

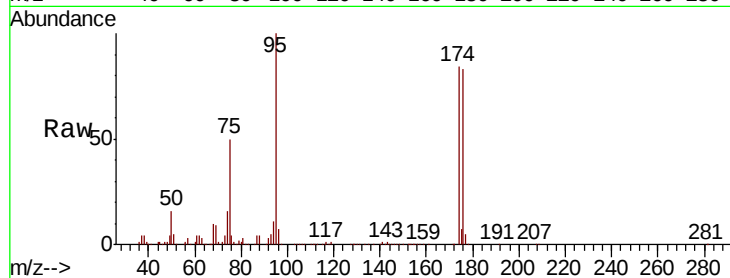
Tot Ion: 95 Resp: 188012

Ion Ratio Lower Upper

95 100

174 84.4 0.0 163.0

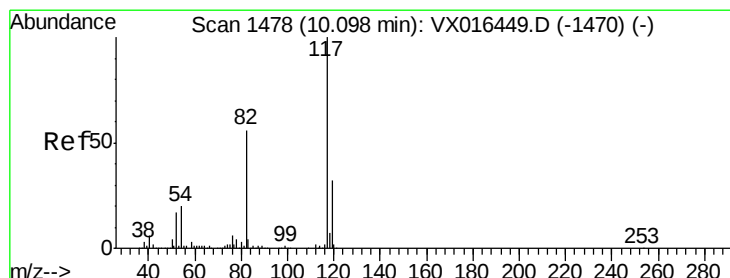
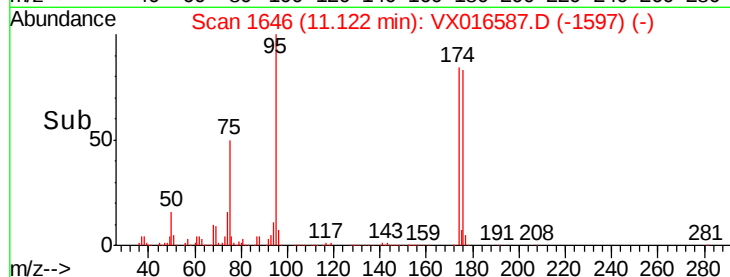
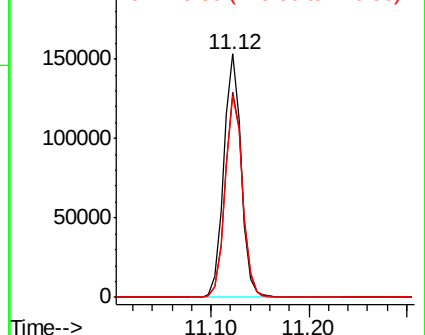
176 83.0 0.0 156.8



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: VX016587.D

Acq: 04 Jun 2020 17:30

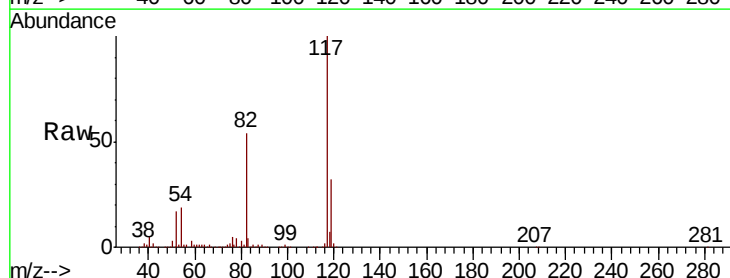
Tgt Ion: 117 Resp: 382519

Ion Ratio Lower Upper

117 100

82 54.3 45.0 67.6

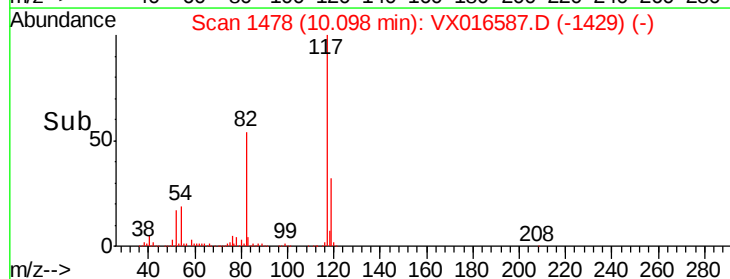
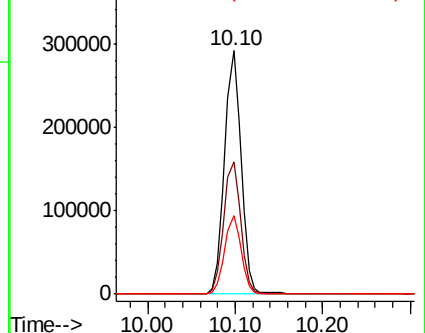
119 32.1 25.8 38.8

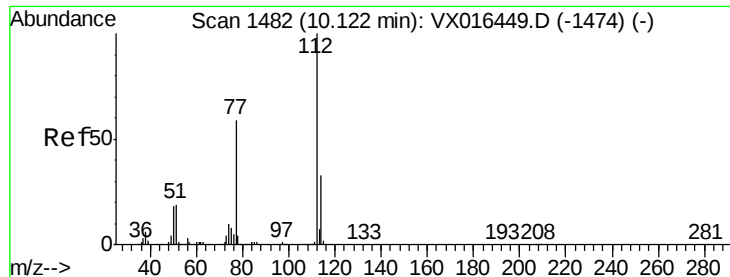


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

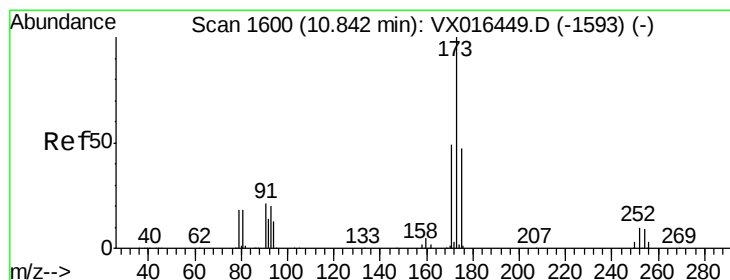
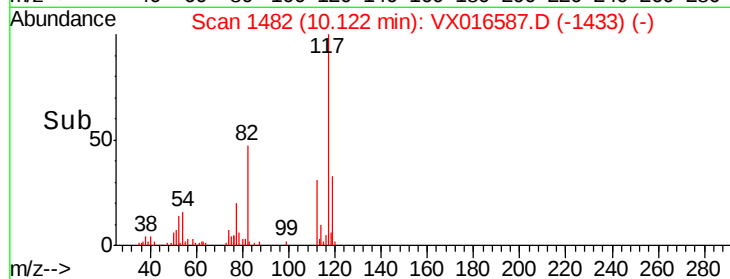
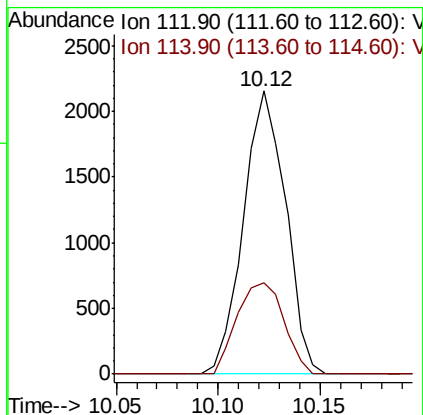
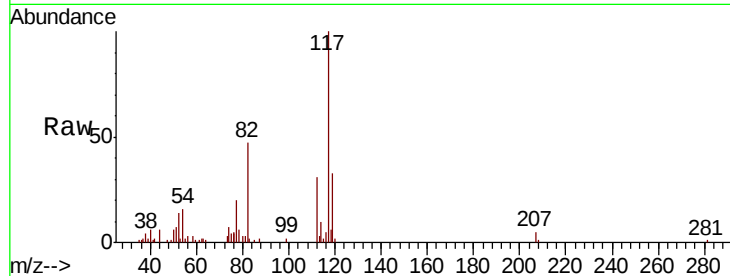




#65
Chlorobenzene
Concen: 0.398 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016587.D
Acq: 04 Jun 2020 17:30

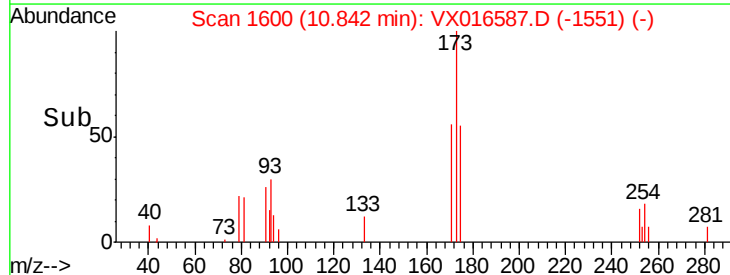
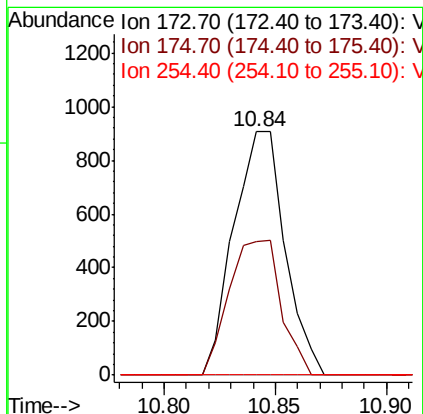
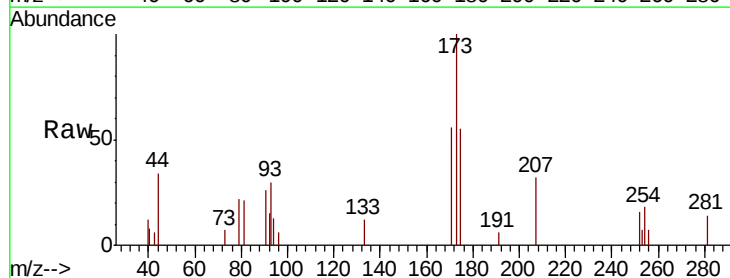
Instrument :
MSVOA_X
ClientSampleId :

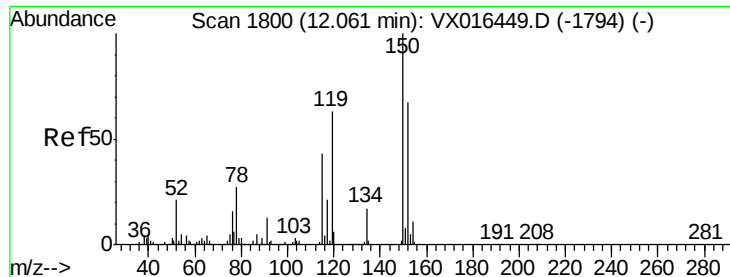
Tot Ion:112 Resp: 3101
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0



#71
Bromoform
Concen: 0.578 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016587.D
Acq: 04 Jun 2020 17:30

Tgt Ion:173 Resp: 1455
Ion Ratio Lower Upper
173 100
175 55.9 23.9 71.7
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016587.D

Acq: 04 Jun 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

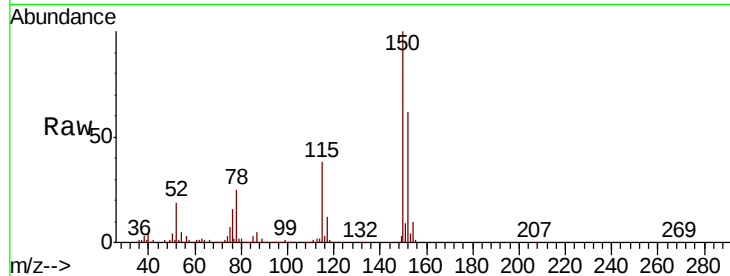
Tot Ion:152 Resp: 193068

Ion Ratio Lower Upper

152 100

115 59.0 39.9 119.6

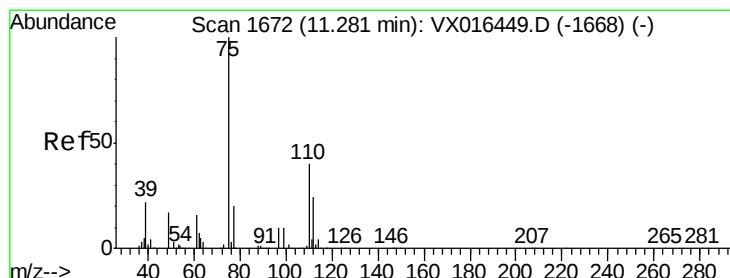
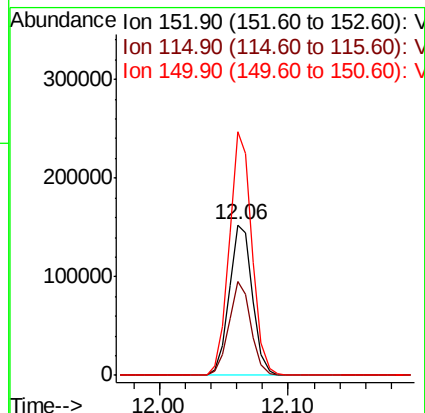
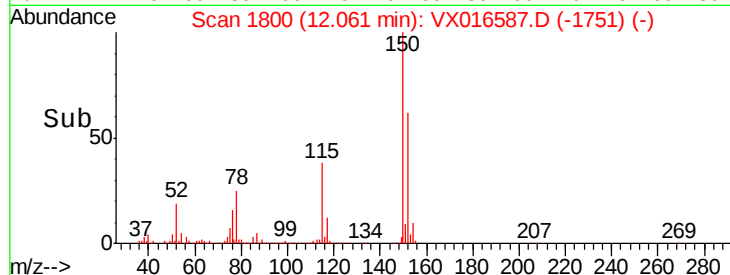
150 158.2 0.0 341.0



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: 21.747 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016587.D

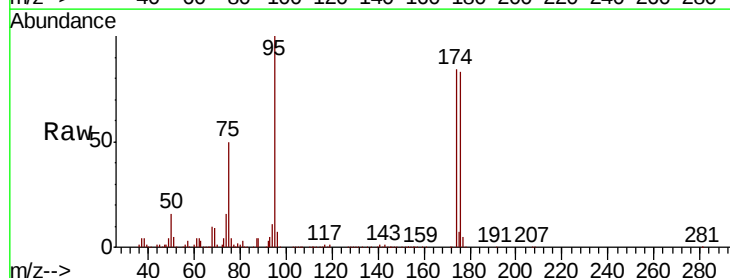
Acq: 04 Jun 2020 17:30

Tgt Ion: 75 Resp: 92290

Ion Ratio Lower Upper

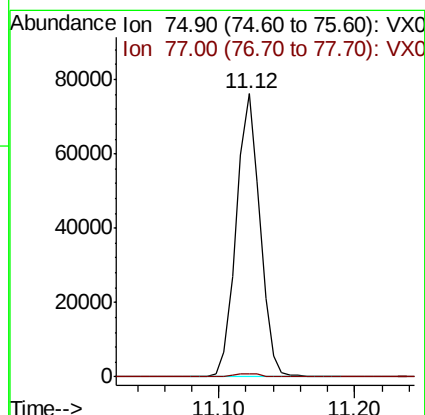
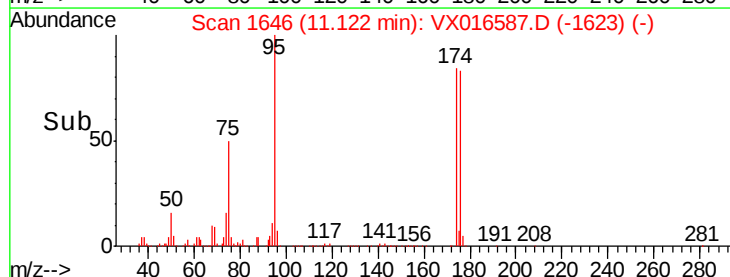
75 100

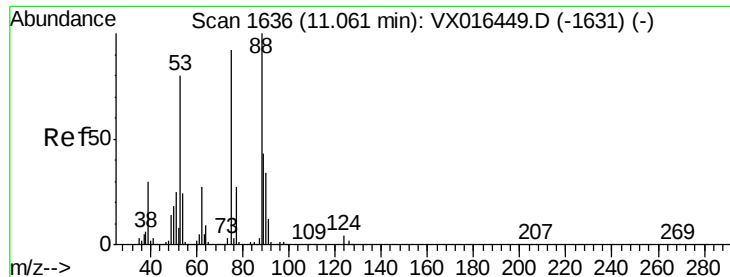
77 1.3 21.3 63.7#



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: 53.495 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016587.D

Acq: 04 Jun 2020 17:30

Instrument :

MSVOA_X

ClientSampled :

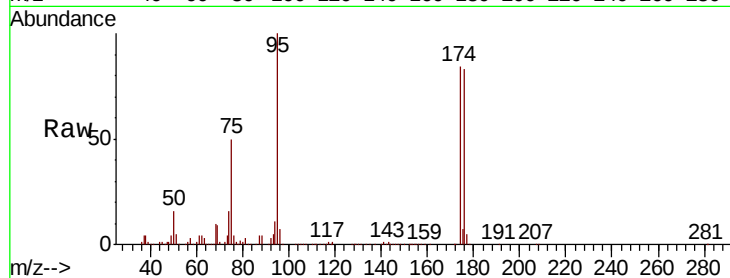
Tot Ion: 75 Resp: 92290

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

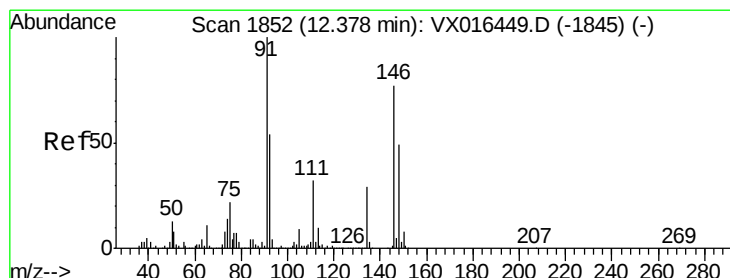
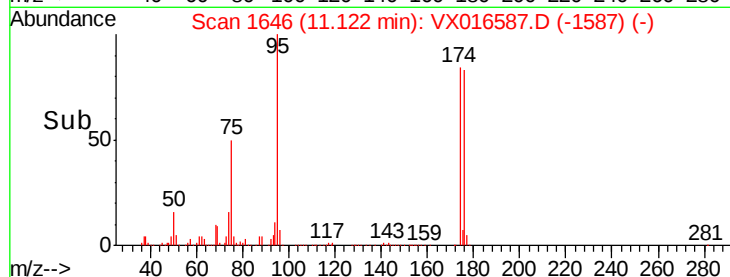
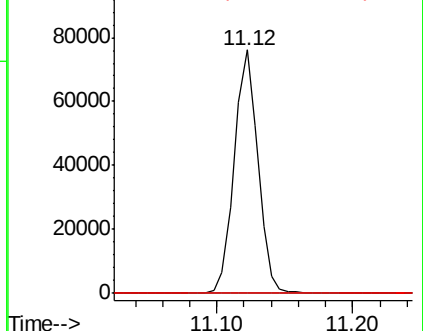
89 0.0 36.6 55.0#



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: 0.414 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016587.D

Acq: 04 Jun 2020 17:30

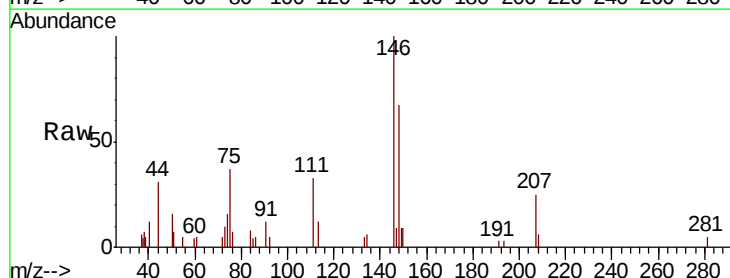
Tgt Ion: 146 Resp: 2441

Ion Ratio Lower Upper

146 100

111 41.4 21.4 64.3

148 66.7 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

