

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051120\
 Data File : VX016158.D
 Acq On : 11 May 2020 18:43
 Operator : JC/SP
 Sample : L2506-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-04-050720

Quant Time: May 12 07:00:58 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	283747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	469632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	463860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	242960	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	172410	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
35) Dibromofluoromethane	5.47	113	140775	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	8.70	98	579947	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.12	95	232356	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	

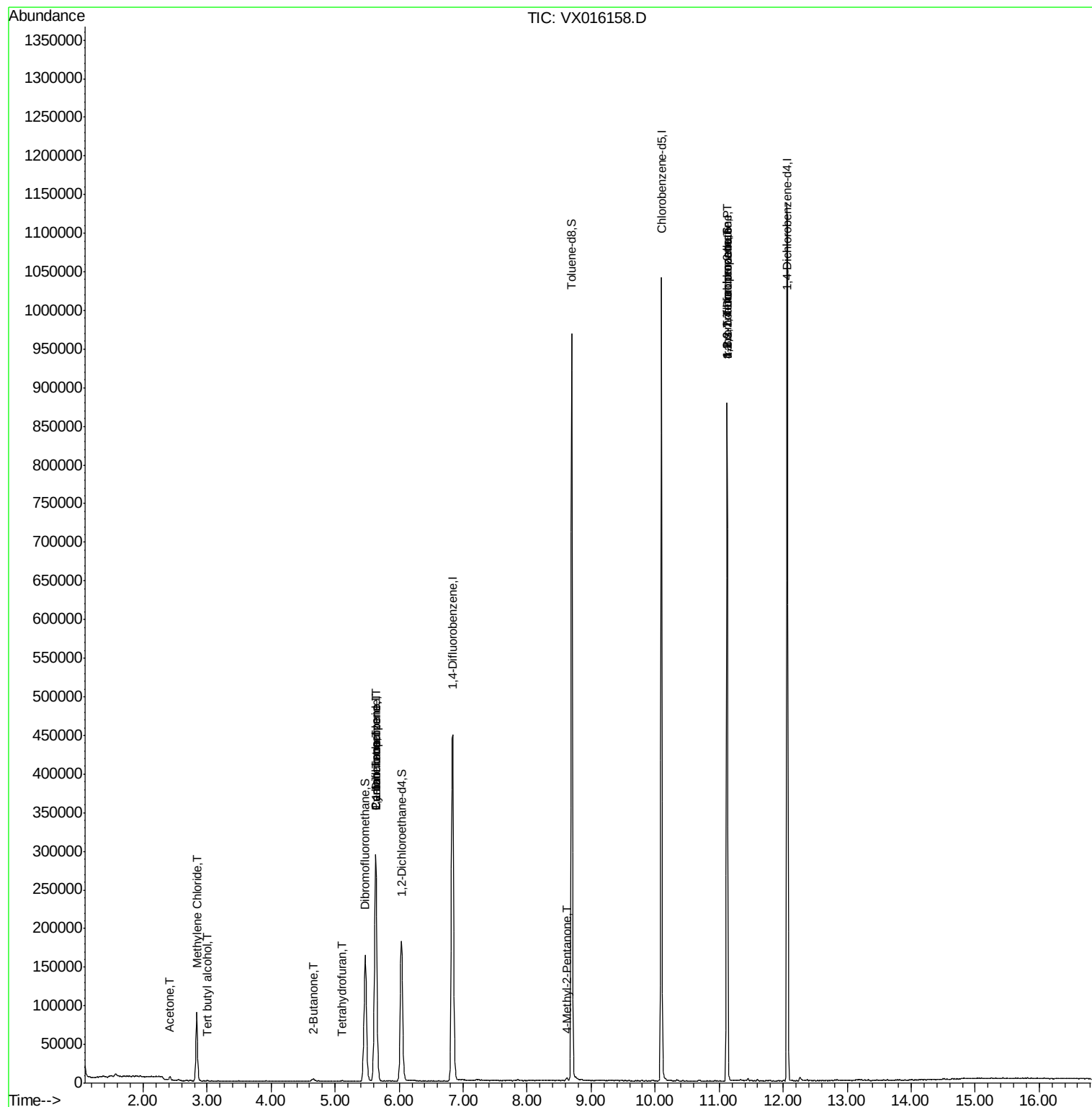
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	382	0.405	ug/l #	72
16) Acetone	2.42	43	5330	3.199	ug/l	99
17) Carbon Disulfide	2.55	76	1371	Below Cal	#	93
20) Methylene Chloride	2.84	84	40226	11.713	ug/l	96
25) 2-Butanone	4.65	43	2155	0.803	ug/l #	88
29) Tetrahydrofuran	5.11	42	1056	0.594	ug/l #	74
31) Cyclohexane	5.63	56	5600	1.080	ug/l #	5
36) 1,1-Dichloropropene	5.63	75	20887	4.518	ug/l #	49
38) Carbon Tetrachloride	5.63	117	27707	5.897	ug/l #	14
51) 4-Methyl-2-Pentanone	8.62	43	2705	0.517	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.12	83	224	2.117	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	115384	20.928	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115384	49.874	ug/l #	13

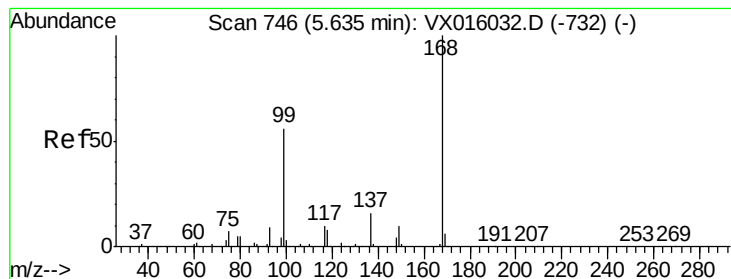
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 12 07:00:58 2020
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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016158.D

Acq: 11 May 2020 18:43

Instrument :

MSVOA_X

ClientSampleId :

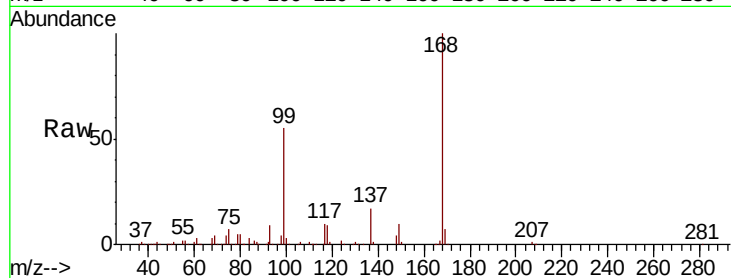
TR-04-050720

Tot Ion:168 Resp: 283747

Ion Ratio Lower Upper

168 100

99 55.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

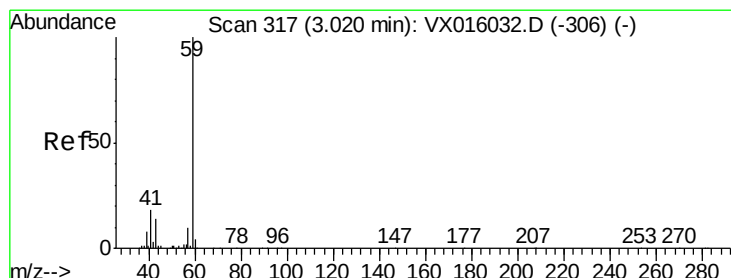
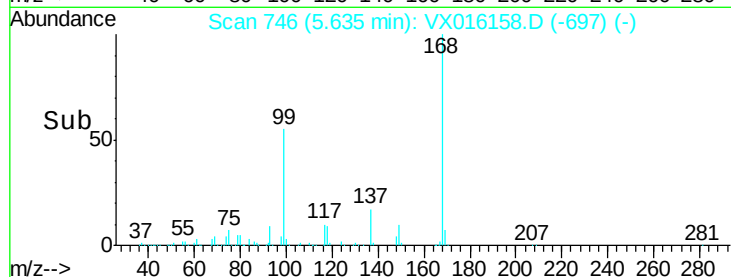
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.405 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX016158.D

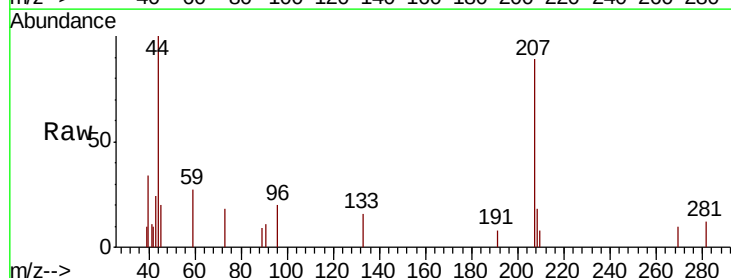
Acq: 11 May 2020 18:43

Tgt Ion: 59 Resp: 382

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

3.01

200

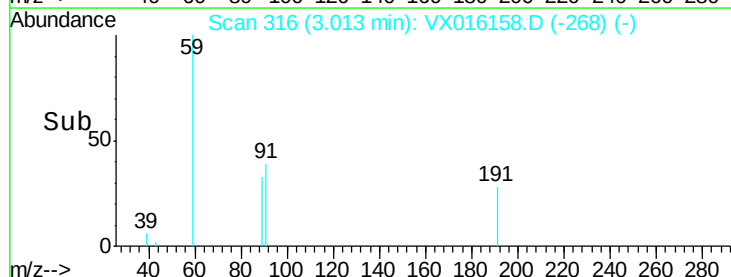
150

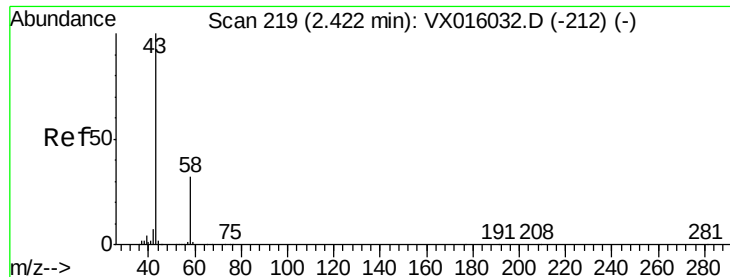
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50

0

Time-->

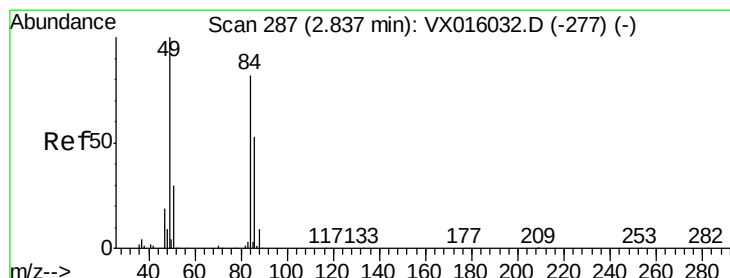
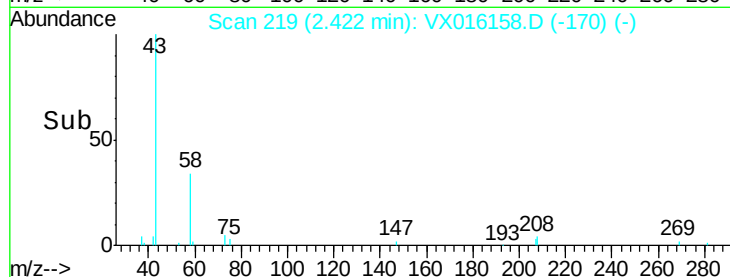
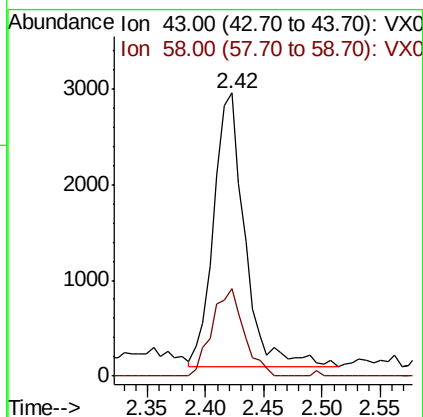
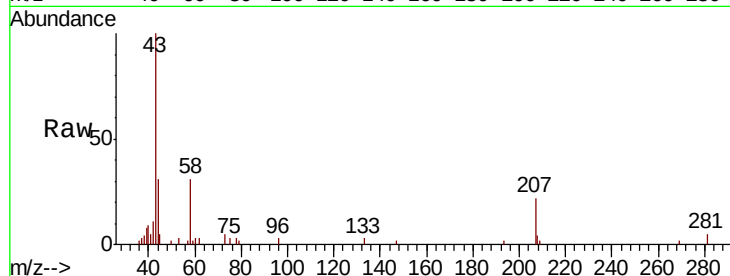




#16
Acetone
Concen: 3.199 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX016158.D
Acq: 11 May 2020 18:43

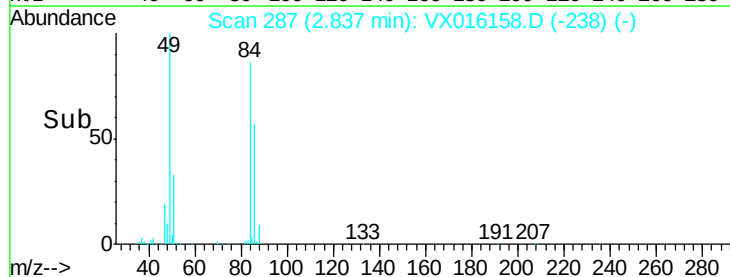
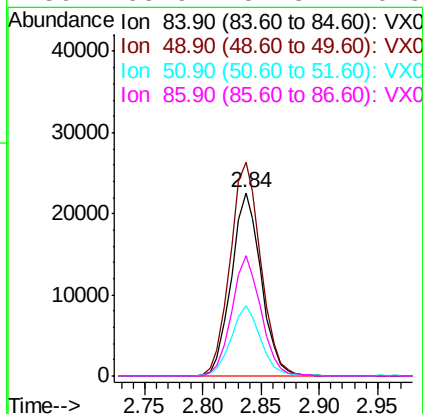
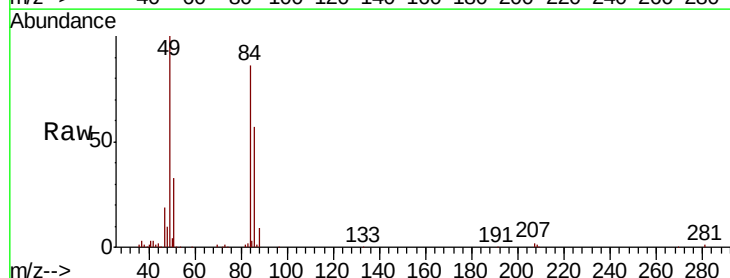
Instrument :
MSVOA_X
ClientSampleId :
TR-04-050720

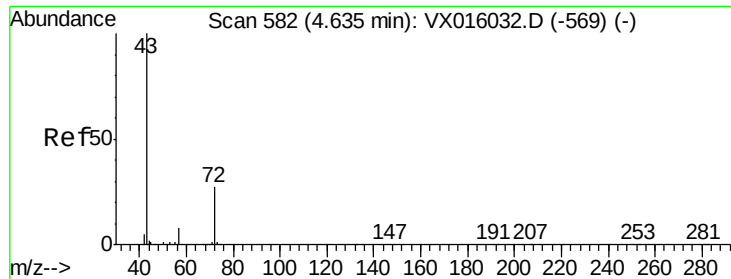
Tot Ion: 43 Resp: 5330
Ion Ratio Lower Upper
43 100
58 32.1 25.4 38.0



#20
Methylene Chloride
Concen: 11.713 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016158.D
Acq: 11 May 2020 18:43

Tgt Ion: 84 Resp: 40226
Ion Ratio Lower Upper
84 100
49 116.5 97.3 145.9
51 38.1 29.3 43.9
86 65.9 51.3 76.9





#25

2-Butanone

Concen: 0.803 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016158.D

Acq: 11 May 2020 18:43

Instrument :

MSVOA_X

ClientSampled :

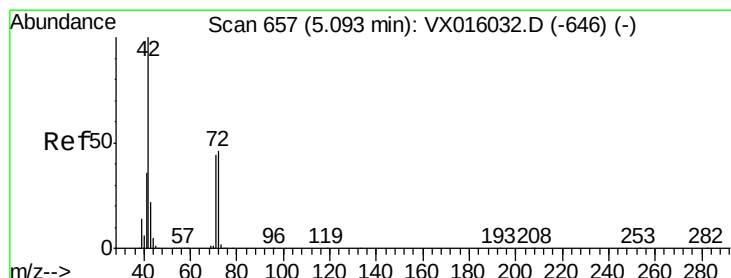
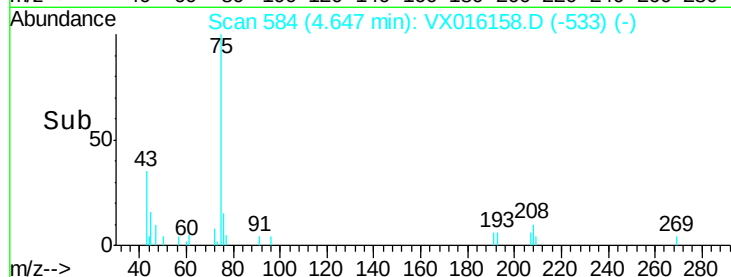
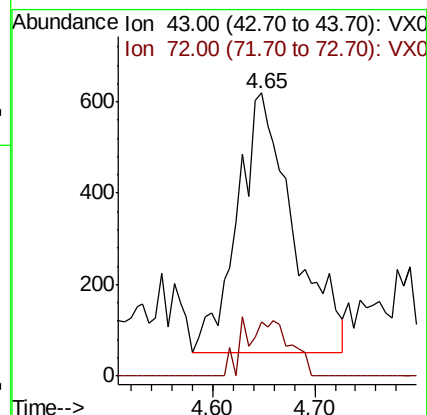
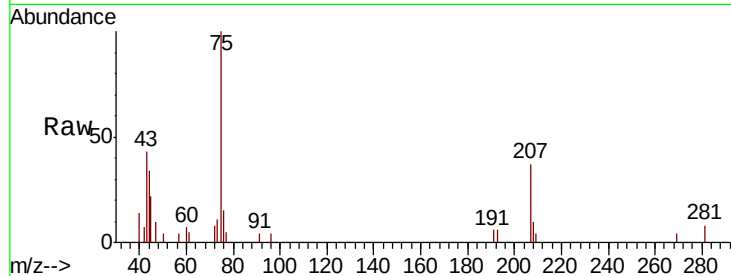
TR-04-050720

Tot Ion: 43 Resp: 2155

Ion Ratio Lower Upper

43 100

72 20.8 21.8 32.8#



#29

Tetrahydrofuran

Concen: 0.594 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX016158.D

Acq: 11 May 2020 18:43

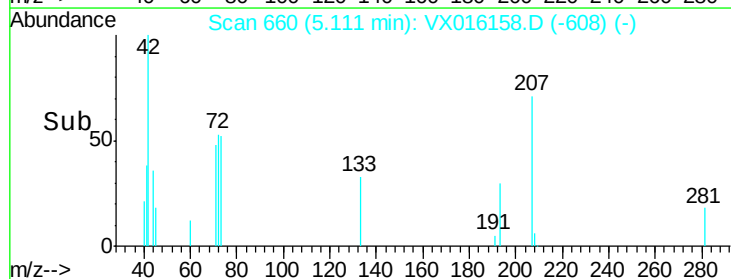
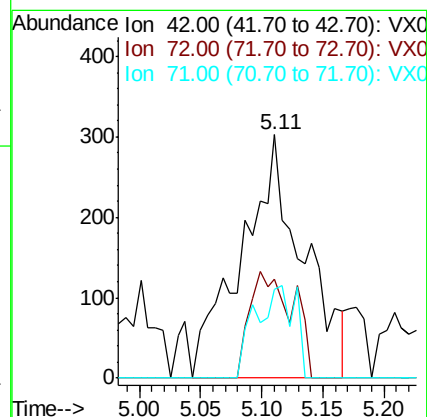
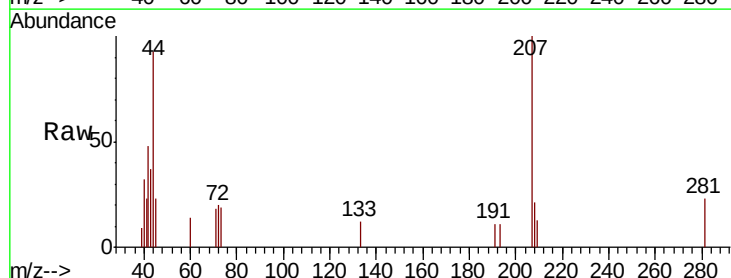
Tgt Ion: 42 Resp: 1056

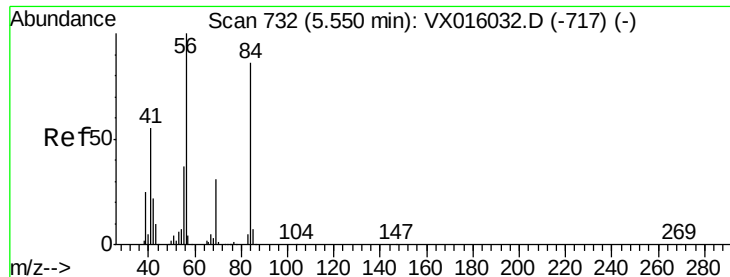
Ion Ratio Lower Upper

42 100

72 30.7 37.1 55.7#

71 24.2 34.5 51.7#

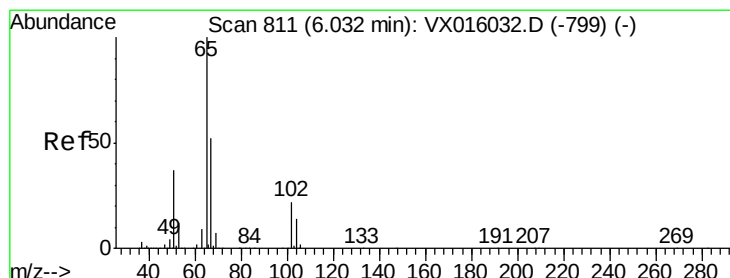
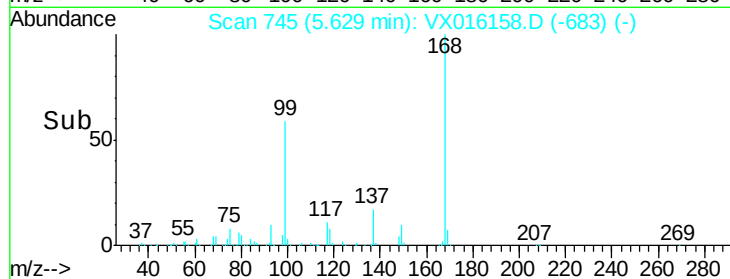
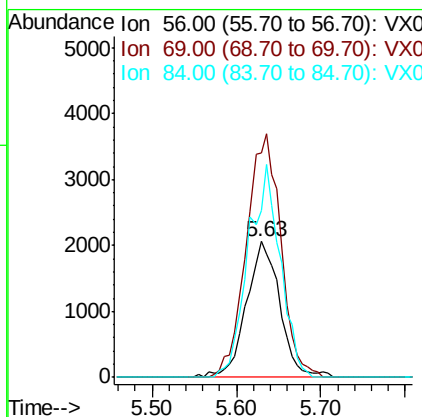
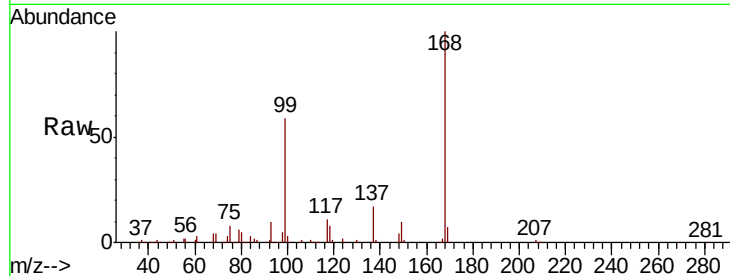




#31
Cyclohexane
Concen: 1.080 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016158.D
Acq: 11 May 2020 18:43

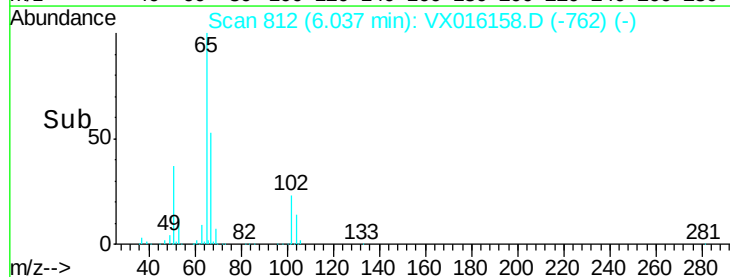
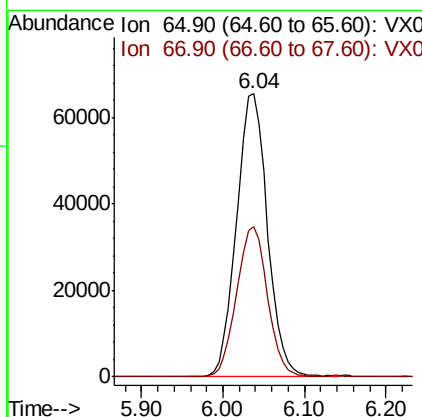
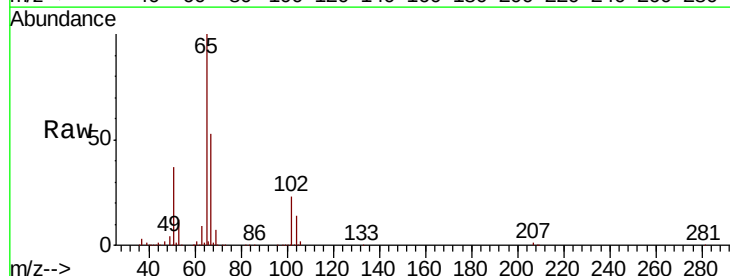
Instrument :
MSVOA_X
ClientSampleId :
TR-04-050720

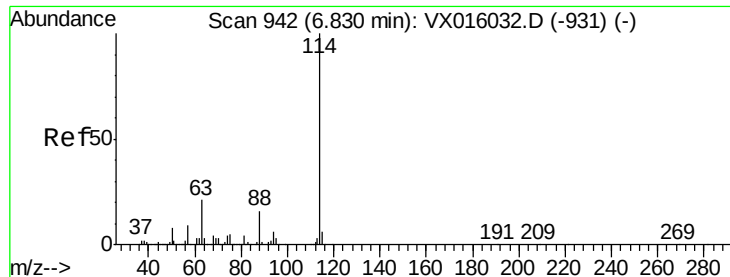
Tot Ion: 56 Resp: 5600
Ion Ratio Lower Upper
56 100
69 166.1 25.0 37.6#
84 123.5 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.175 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016158.D
Acq: 11 May 2020 18:43

Tgt Ion: 65 Resp: 172410
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016158.D

Acq: 11 May 2020 18:43

Instrument :

MSVOA_X

ClientSampleId :

TR-04-050720

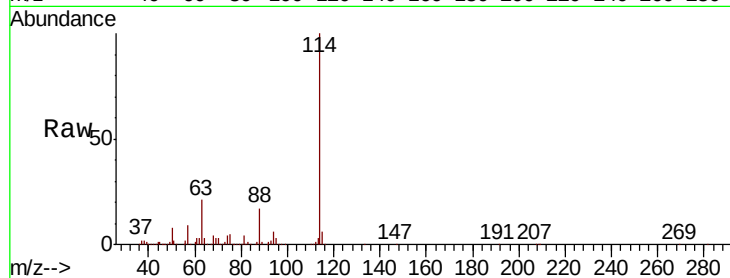
Tot Ion:114 Resp: 469632

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

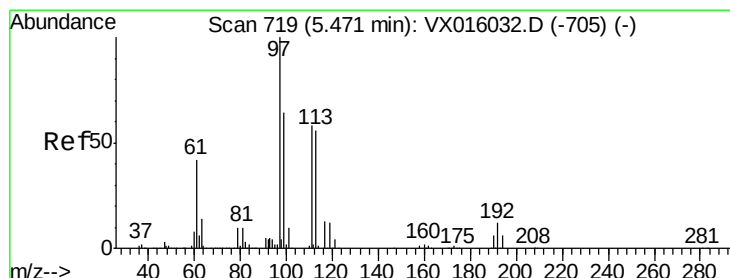
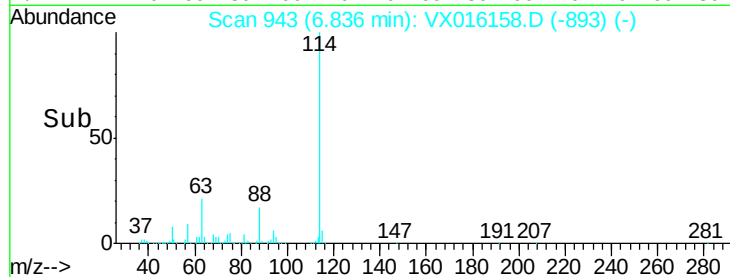
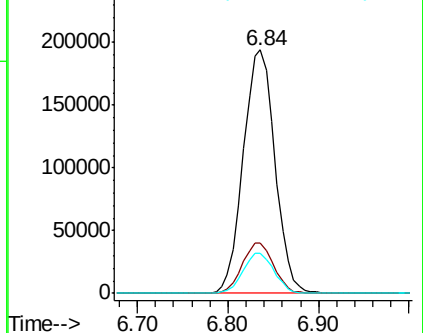
88 16.6 0.0 31.4



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: 47.314 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016158.D

Acq: 11 May 2020 18:43

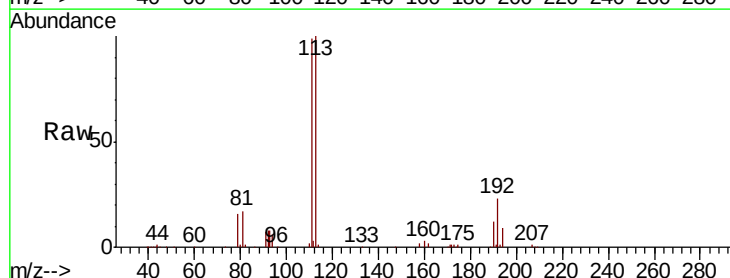
Tgt Ion:113 Resp: 140775

Ion Ratio Lower Upper

113 100

111 101.1 81.6 122.4

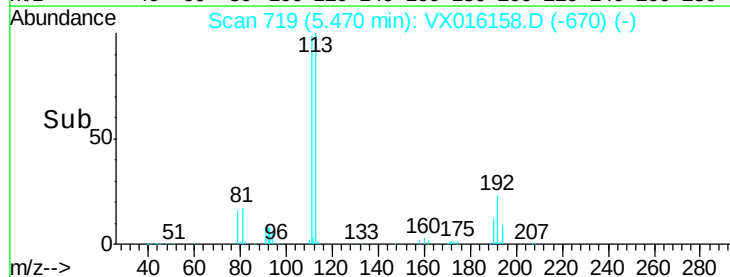
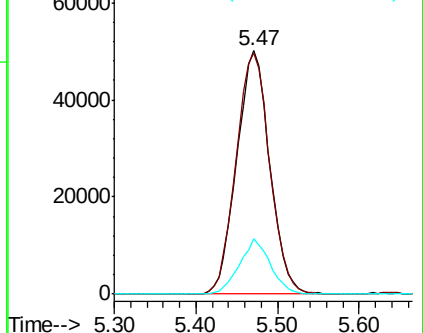
192 21.2 17.0 25.4

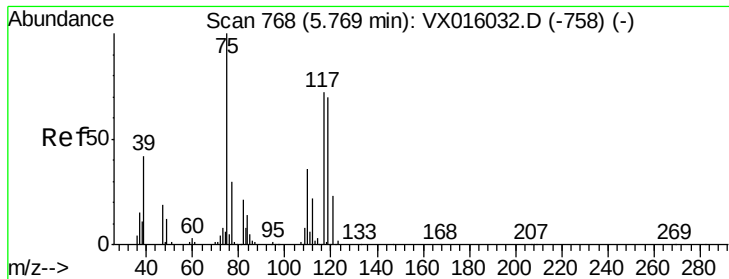


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

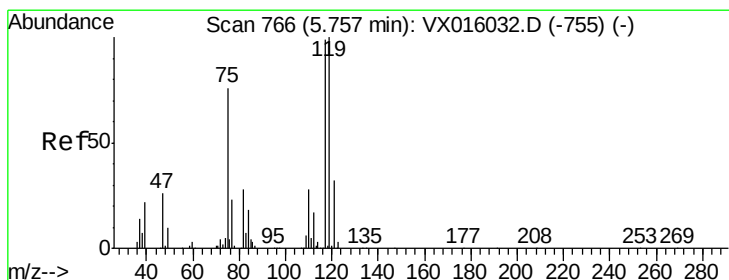
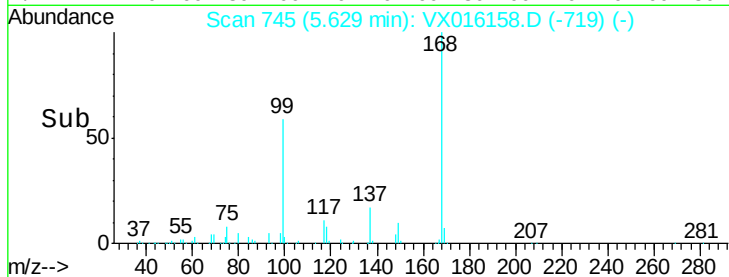
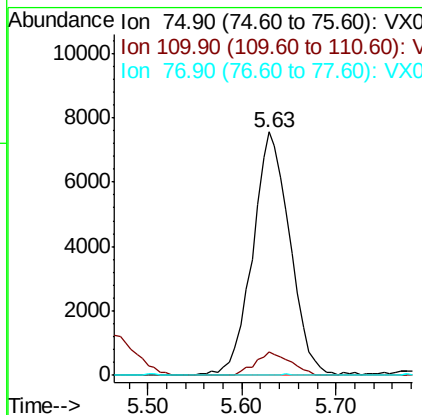
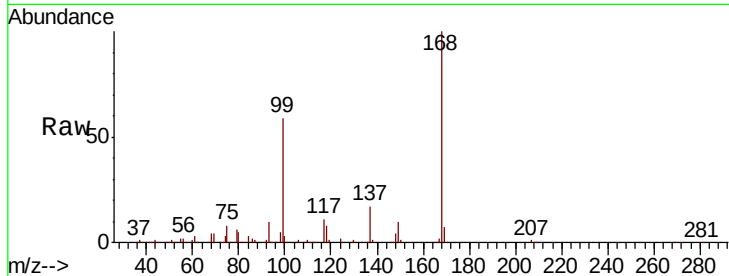




#36
 1,1-Dichloropropene
 Concen: 4.518 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016158.D
 Acq: 11 May 2020 18:43

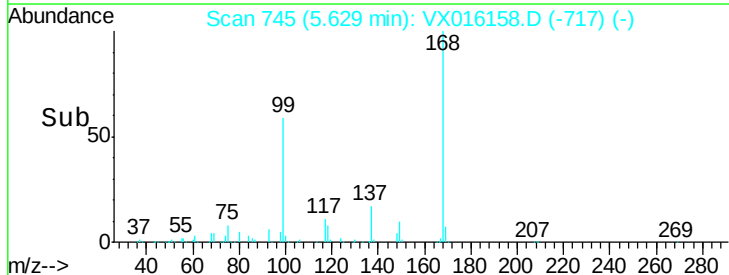
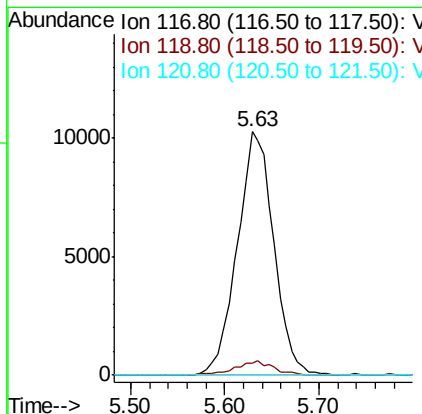
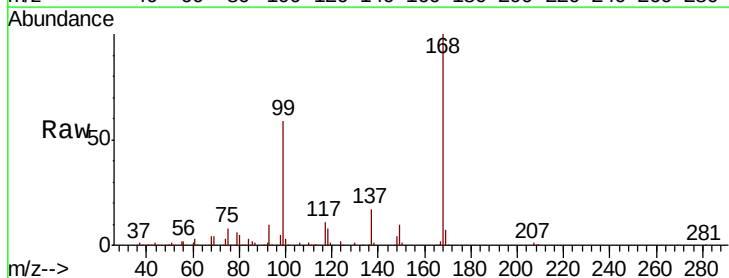
Instrument :
 MSVOA_X
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 TR-04-050720

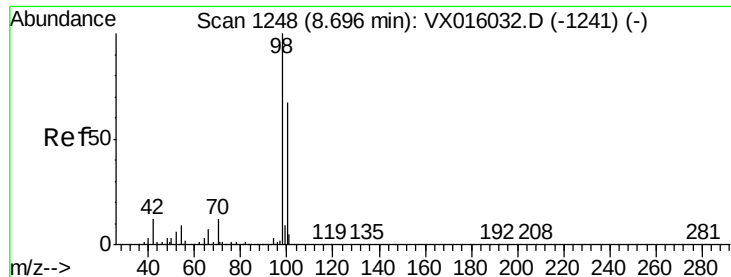
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.1#
77	0.1	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.897 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016158.D
 Acq: 11 May 2020 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	80.3	120.5#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 50.588 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016158.D

Acq: 11 May 2020 18:43

Instrument :

MSVOA_X

ClientSampleId :

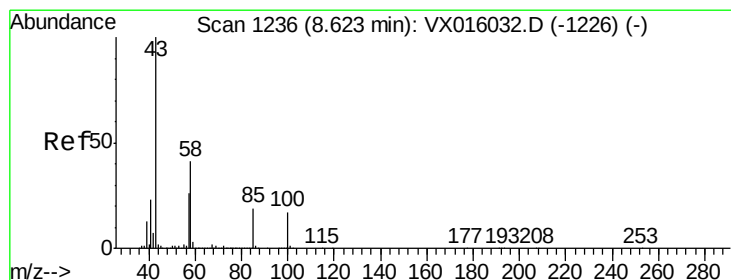
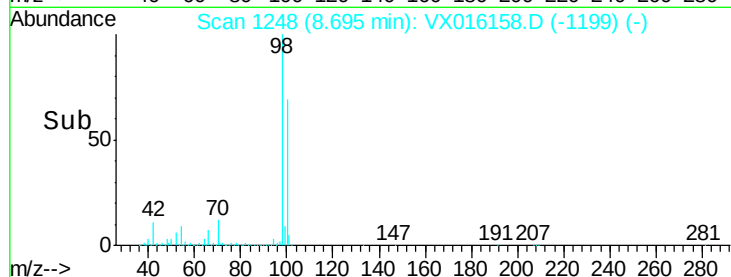
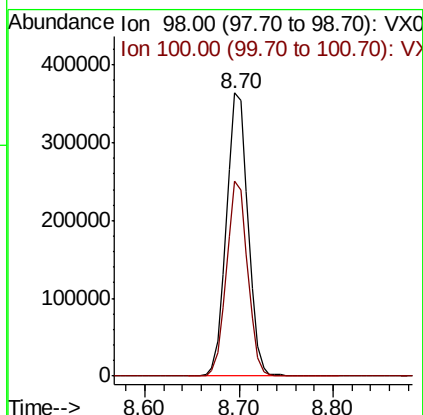
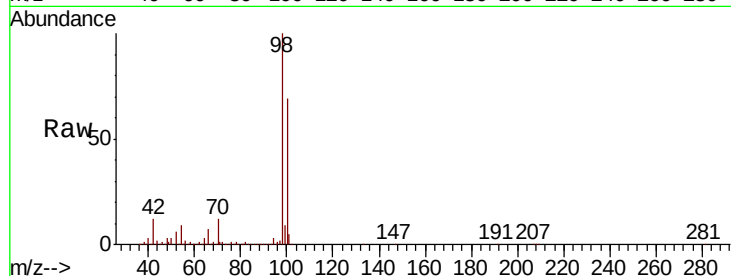
TR-04-050720

Tot Ion: 98 Resp: 579947

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 0.517 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016158.D

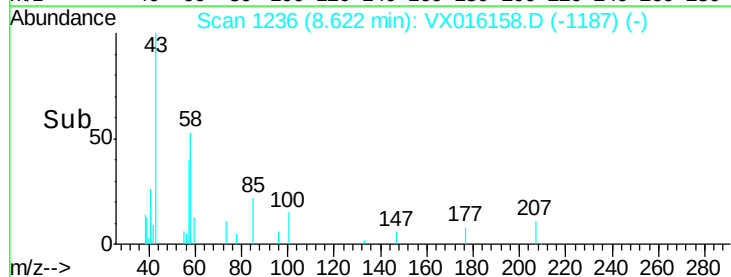
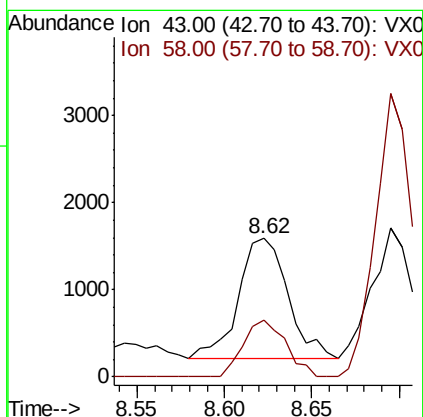
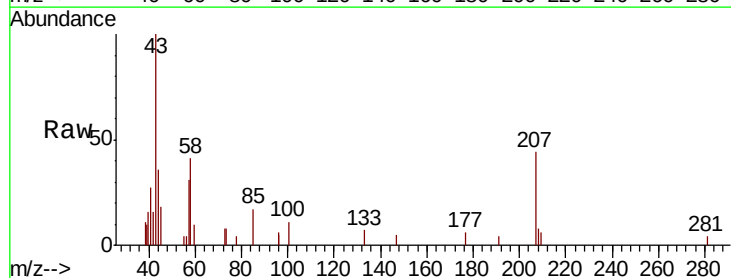
Acq: 11 May 2020 18:43

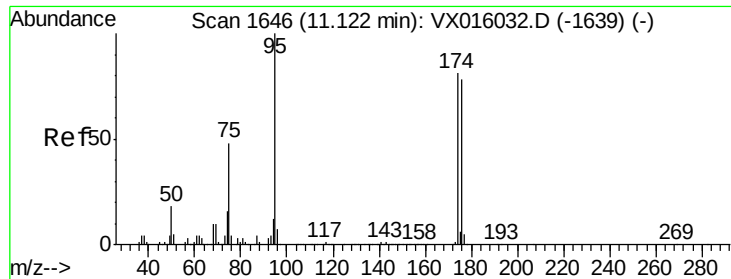
Tgt Ion: 43 Resp: 2705

Ion Ratio Lower Upper

43 100

58 40.9 33.0 49.4

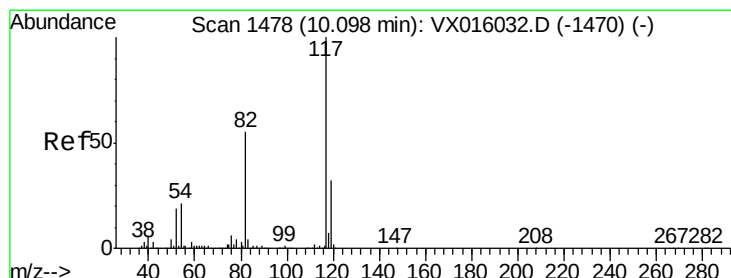
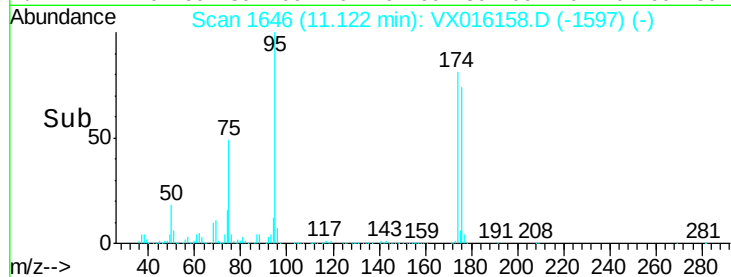
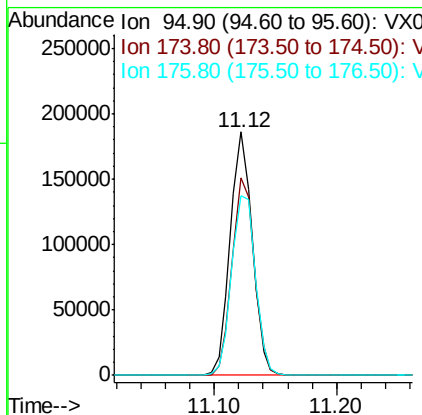
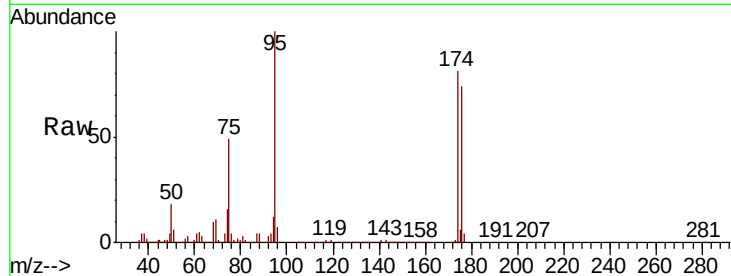




#62
4-Bromofluorobenzene
Concen: 53.288 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016158.D
Acq: 11 May 2020 18:43

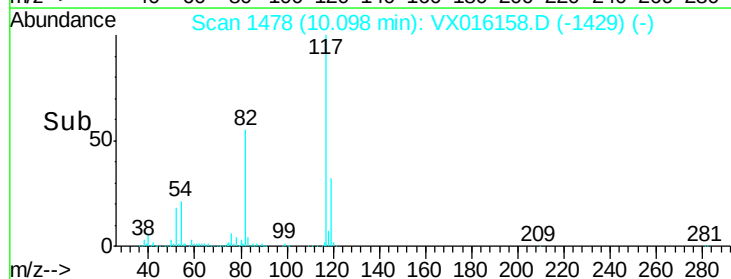
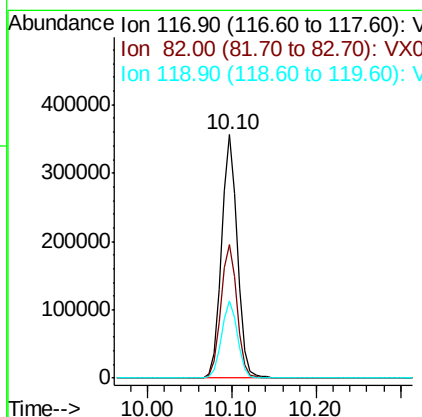
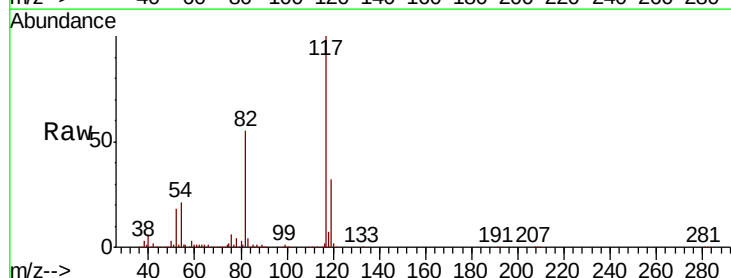
Instrument :
MSVOA_X
ClientSampleId :
TR-04-050720

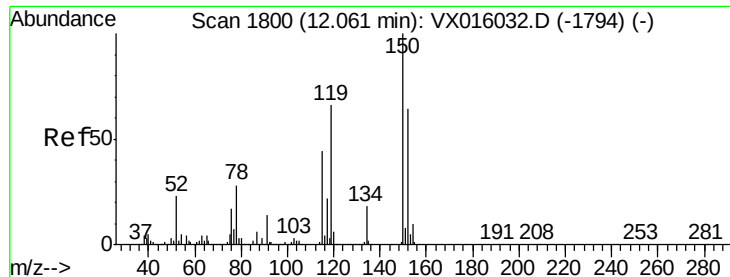
Tot Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	159.4
176	79.4	0.0	157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016158.D
Acq: 11 May 2020 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.4	66.6
119	31.8	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016158.D

Acq: 11 May 2020 18:43

Instrument :

MSVOA_X

ClientSampleId :

TR-04-050720

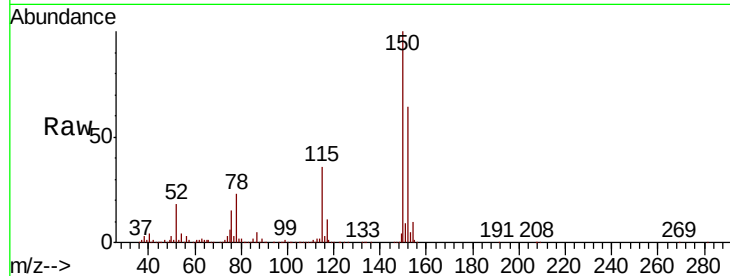
Tot Ion:152 Resp: 242960

Ion Ratio Lower Upper

152 100

115 58.5 41.3 124.1

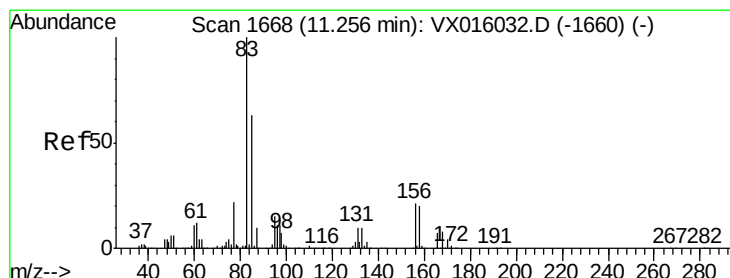
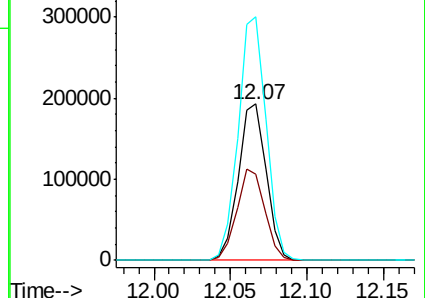
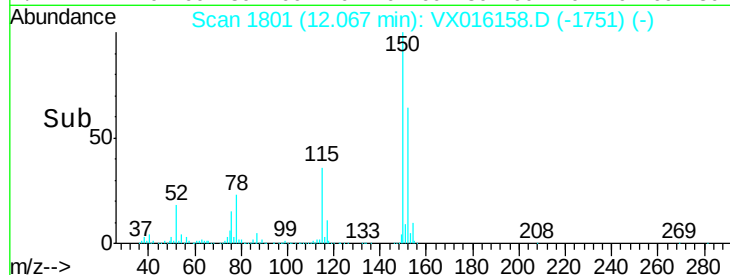
150 156.1 0.0 352.2



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: 2.117 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016158.D

Acq: 11 May 2020 18:43

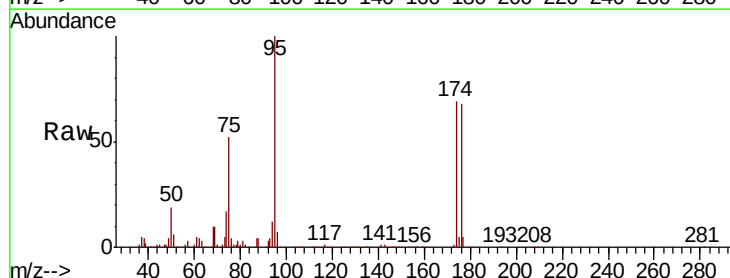
Tgt Ion: 83 Resp: 224

Ion Ratio Lower Upper

83 100

131 135.3 5.1 15.4#

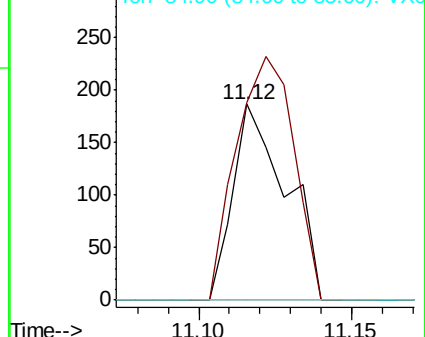
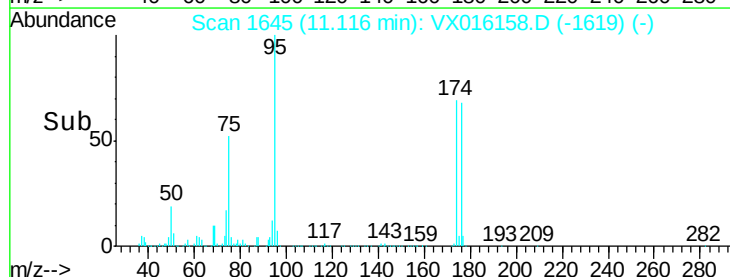
85 0.0 32.0 96.0#

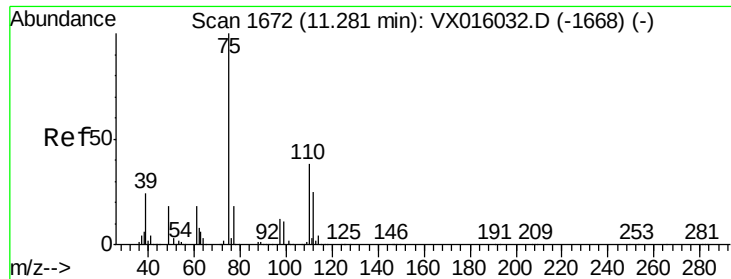


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.928 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016158.D

Acq: 11 May 2020 18:43

Instrument :

MSVOA_X

ClientSampleId :

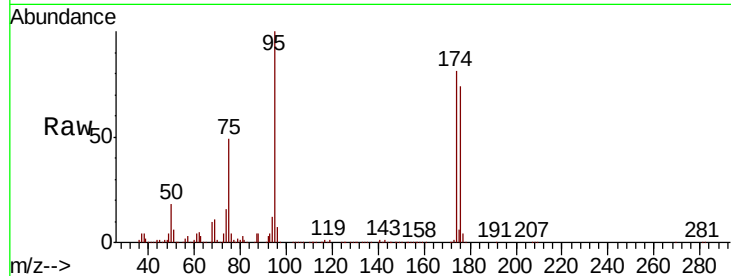
TR-04-050720

Tot Ion: 75 Resp: 115384

Ion Ratio Lower Upper

75 100

77 1.3 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

100000

80000

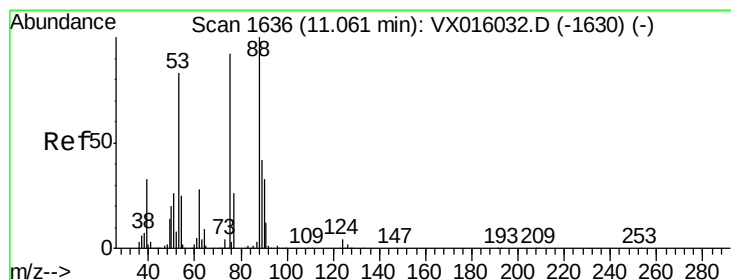
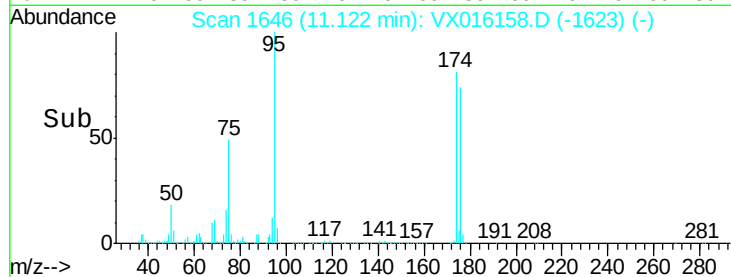
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 49.874 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016158.D

Acq: 11 May 2020 18:43

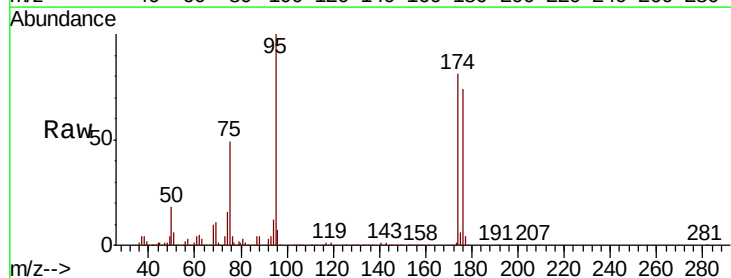
Tgt Ion: 75 Resp: 115384

Ion Ratio Lower Upper

75 100

53 0.1 73.1 109.7#

89 0.0 36.7 55.1#



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

120000

100000

80000

60000

40000

20000

0

Time-->

