

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052720\
 Data File : VX016463.D
 Acq On : 27 May 2020 22:09
 Operator : JC/SP
 Sample : L2767-03 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1006

Quant Time: May 28 03:01:36 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	272545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	438068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	438559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225404	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	165127	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
35) Dibromofluoromethane	5.47	113	128720	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
50) Toluene-d8	8.70	98	545737	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.12	95	222733	54.90	ug/l	0.00
Spiked Amount			Recovery	=	109.80%	

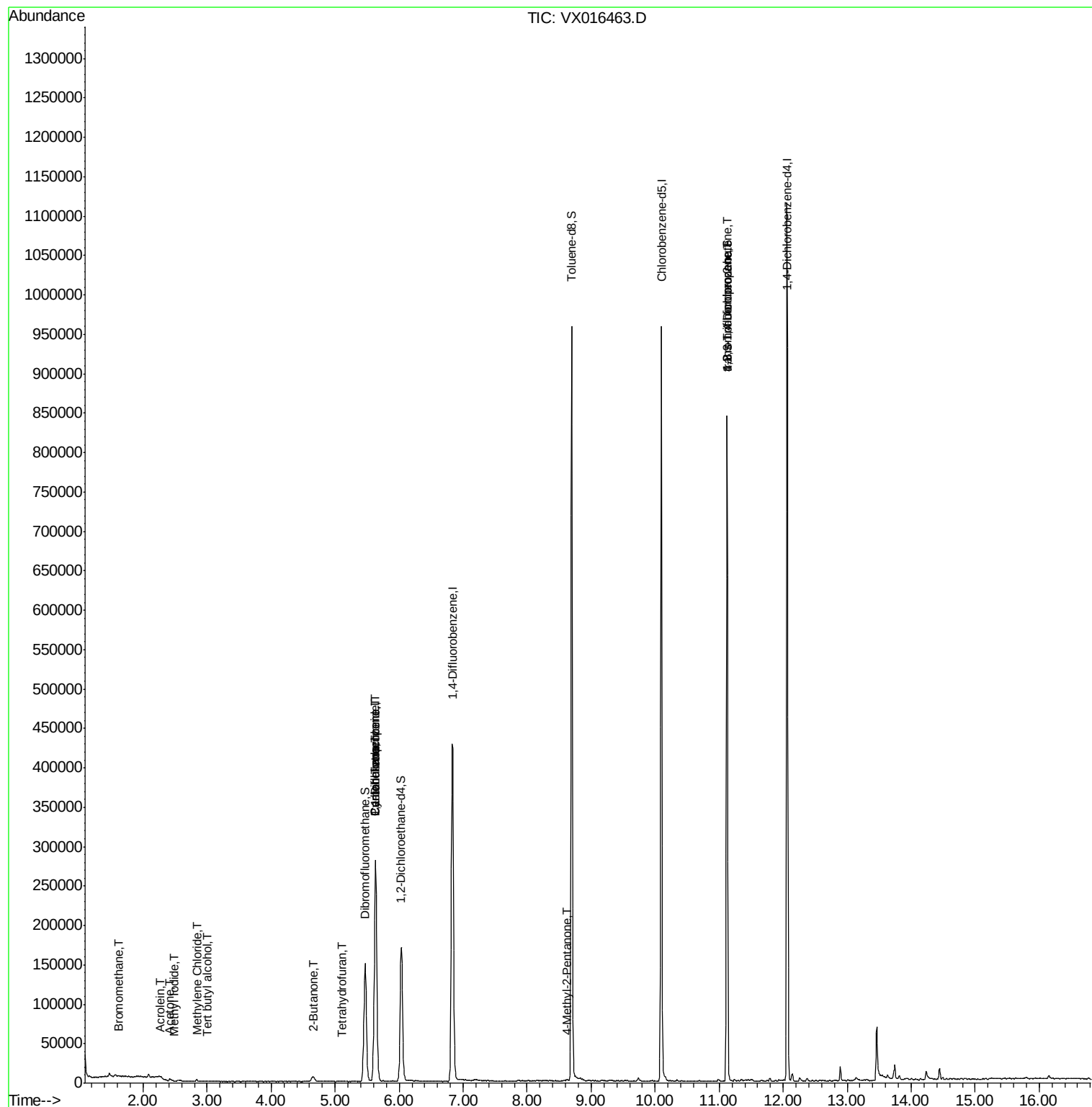
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	384	0.230	ug/l #	59
10) Methyl Iodide	2.49	142	19	3.061	ug/l #	40
11) Tert butyl alcohol	3.00	59	656	0.756	ug/l #	72
13) Acrolein	2.27	56	312	0.845	ug/l #	39
16) Acetone	2.42	43	2643	1.782	ug/l	96
20) Methylene Chloride	2.84	84	742	0.242	ug/l	87
25) 2-Butanone	4.65	43	1849	0.736	ug/l	97
29) Tetrahydrofuran	5.10	42	467	0.288	ug/l #	32
31) Cyclohexane	5.64	56	5101	1.084	ug/l #	7
36) 1,1-Dichloropropene	5.62	75	20747	5.002	ug/l #	50
38) Carbon Tetrachloride	5.64	117	26458	6.070	ug/l #	16
51) 4-Methyl-2-Pentanone	8.62	43	1238	0.256	ug/l	90
76) 1,2,3-Trichloropropane	11.12	75	109651	22.132	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	109651	54.440	ug/l #	14

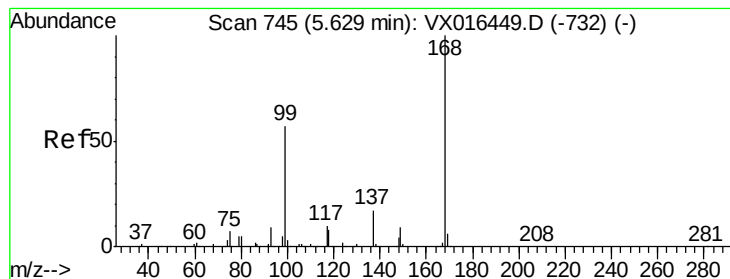
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016463.D

Acq: 27 May 2020 22:09

Instrument :

MSVOA_X

ClientSampled :

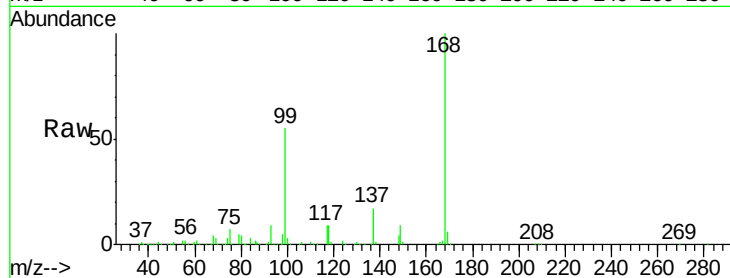
TRE-1006

Tot Ion:168 Resp: 272545

Ion Ratio Lower Upper

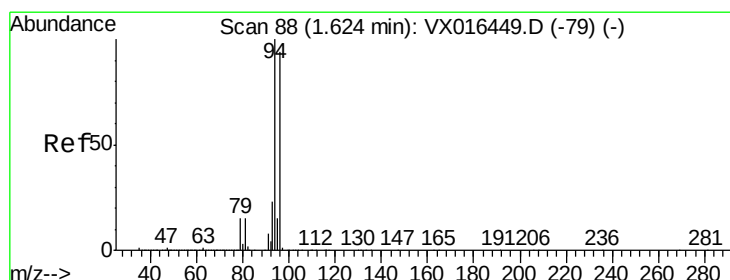
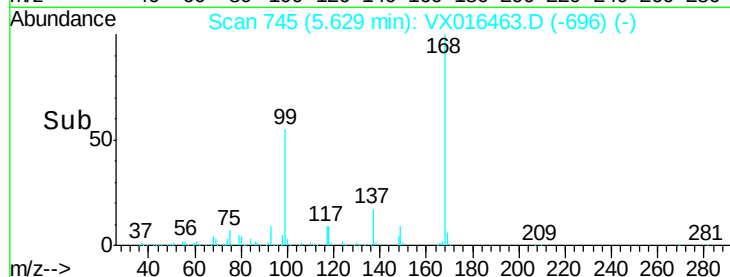
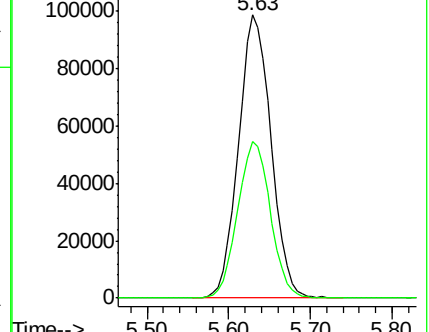
168 100

99 55.1 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.230 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016463.D

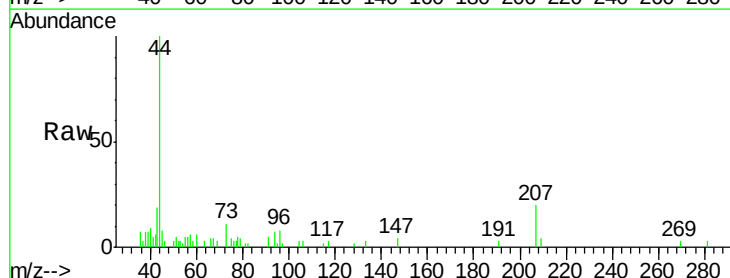
Acq: 27 May 2020 22:09

Tgt Ion: 94 Resp: 384

Ion Ratio Lower Upper

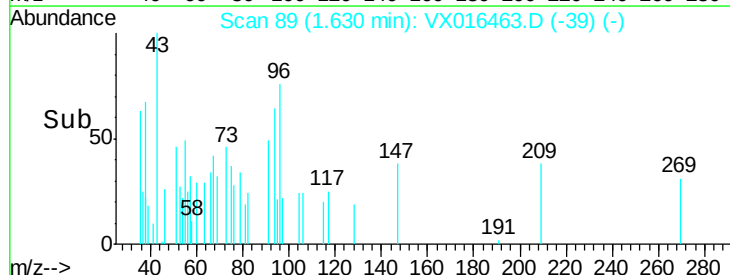
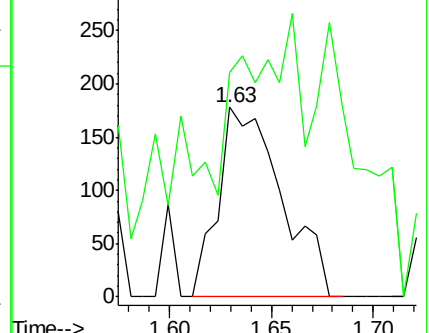
94 100

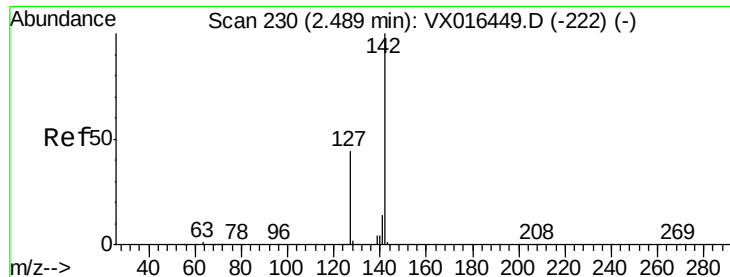
96 54.5 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

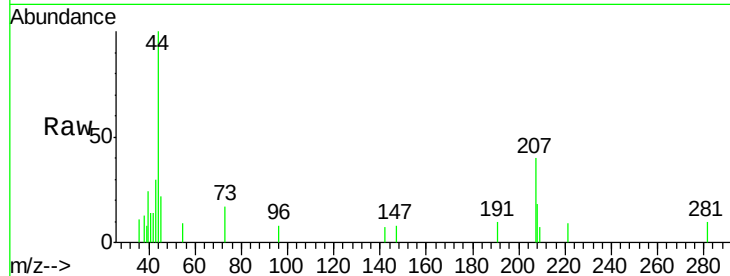




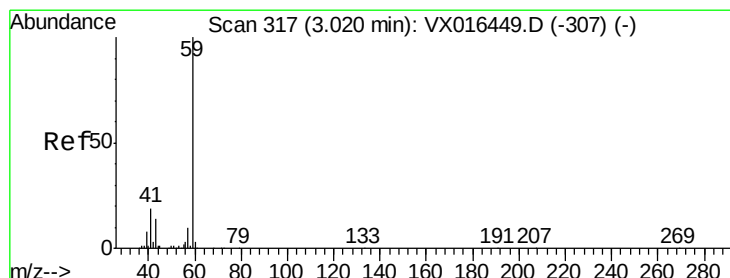
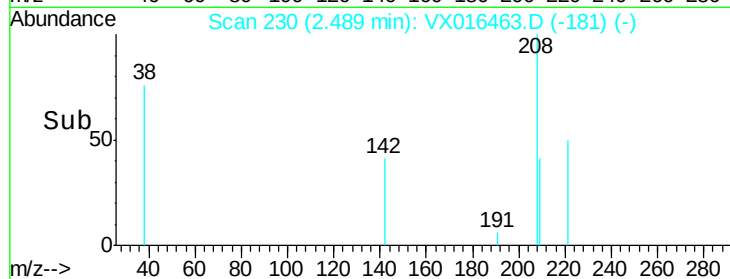
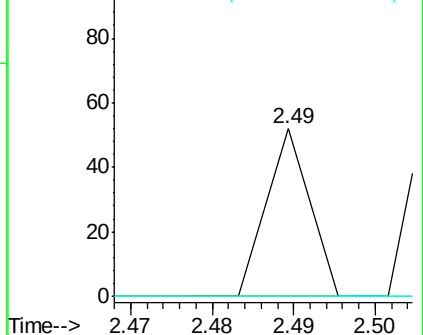
#10
Methvl Iodide
Concen: 3.061 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX016463.D
Acq: 27 May 2020 22:09

Instrument :
MSVOA_X
ClientSampled :
TRE-1006

Tot Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.4 17.2#

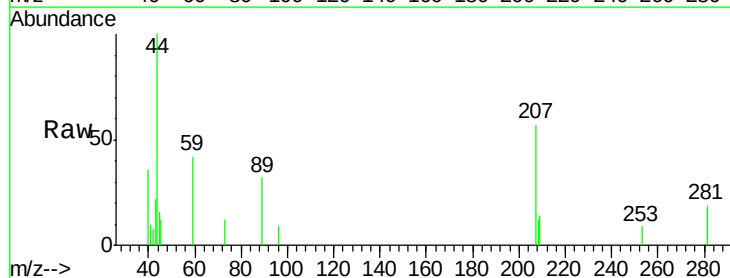


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

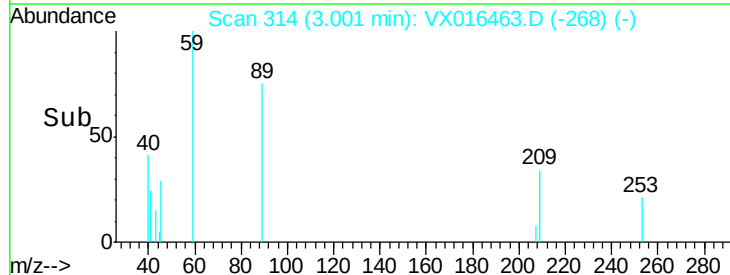
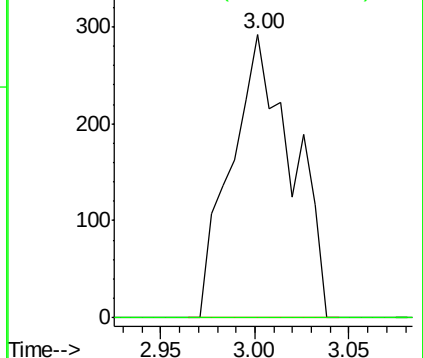


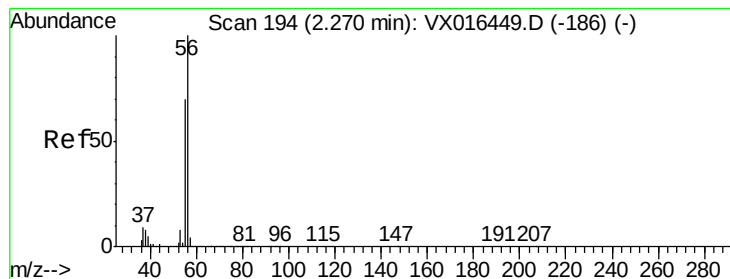
#11
Tert butyl alcohol
Concen: 0.756 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016463.D
Acq: 27 May 2020 22:09

Tgt Ion: 59 Resp: 656
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





#13

Acrolein

Concen: 0.845 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016463.D

Acq: 27 May 2020 22:09

Instrument :

MSVOA_X

ClientSampleId :

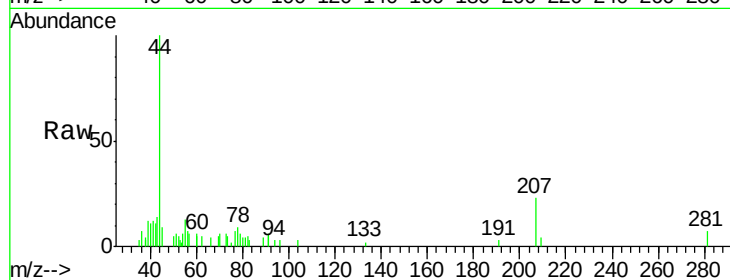
TRE-1006

Tot Ion: 56 Resp: 312

Ion Ratio Lower Upper

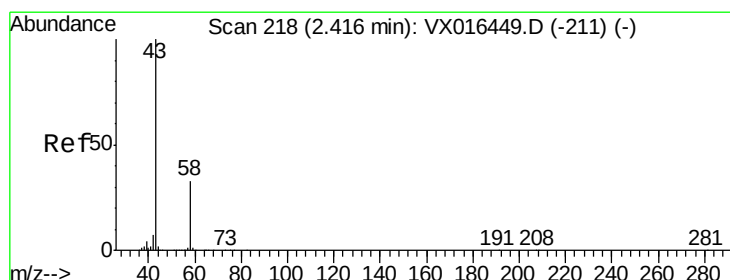
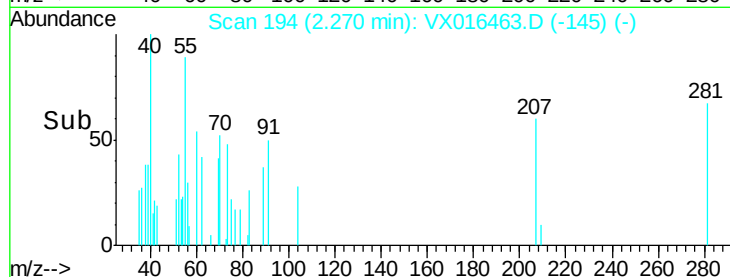
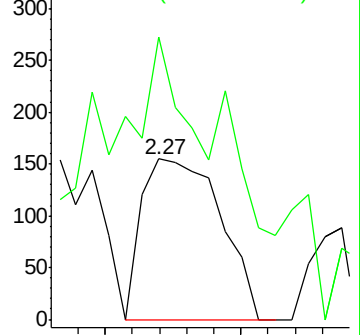
56 100

55 123.7 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.782 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016463.D

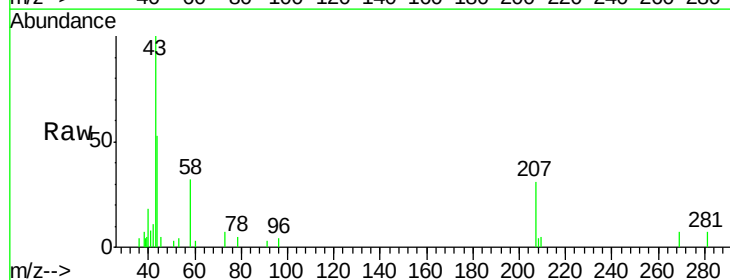
Acq: 27 May 2020 22:09

Tgt Ion: 43 Resp: 2643

Ion Ratio Lower Upper

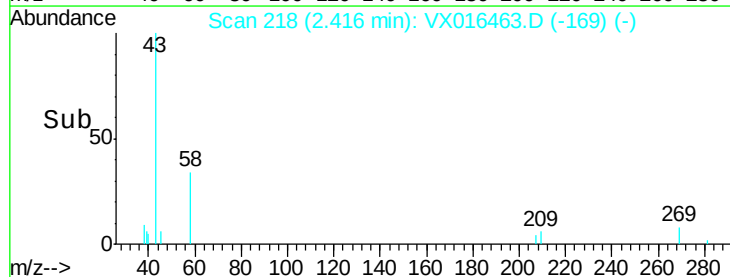
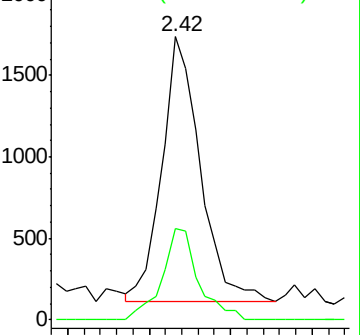
43 100

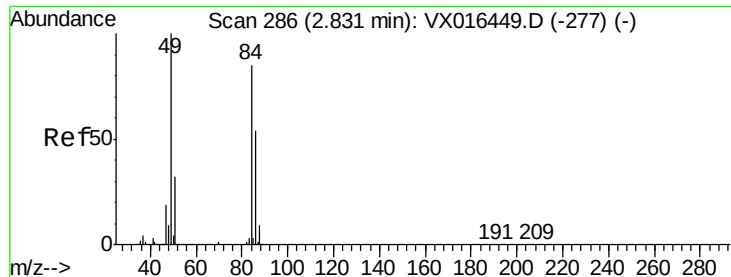
58 34.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

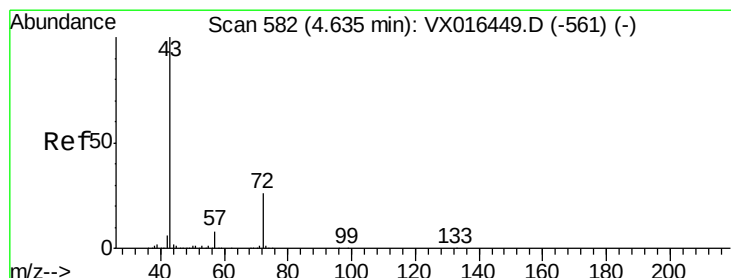
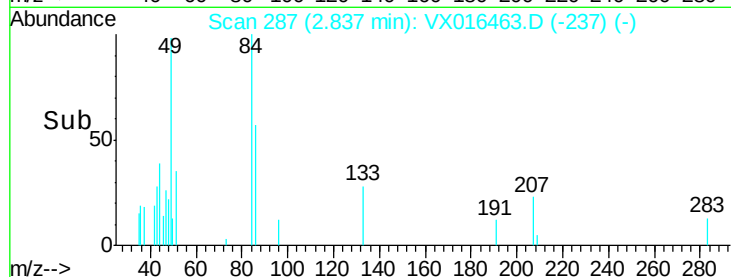
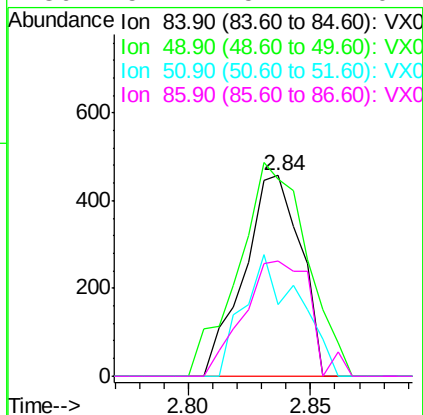
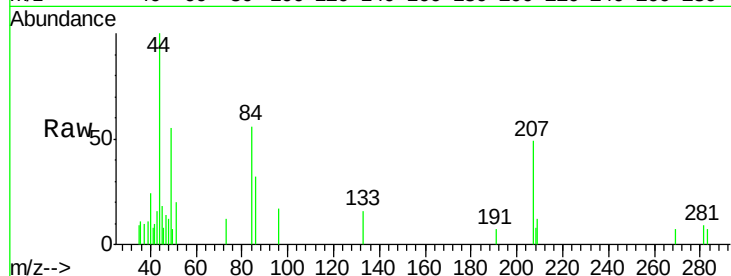




#20
Methylene Chloride
Concen: 0.242 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016463.D
Acq: 27 May 2020 22:09

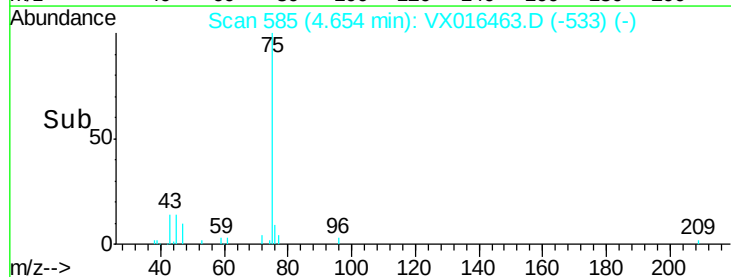
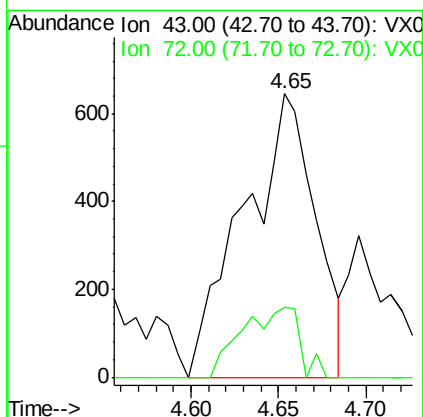
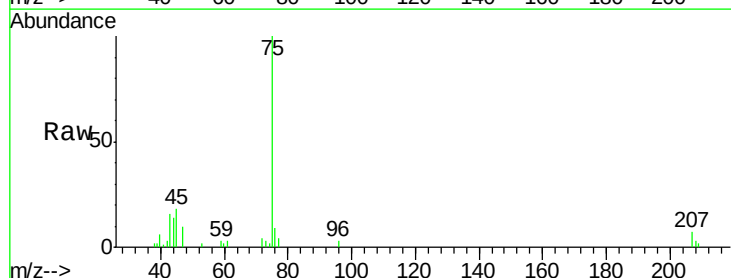
Instrument :
MSVOA_X
ClientSampled :
TRE-1006

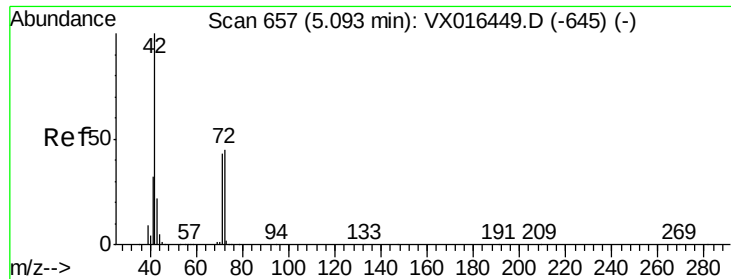
Tot Ion:	84	Resp:	742
Ion	Ratio	Lower	Upper
84	100		
49	98.2	94.5	141.7
51	35.4	30.2	45.4
86	57.1	51.1	76.7



#25
2-Butanone
Concen: 0.736 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX016463.D
Acq: 27 May 2020 22:09

Tgt Ion:	43	Resp:	1849
Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.0	31.6

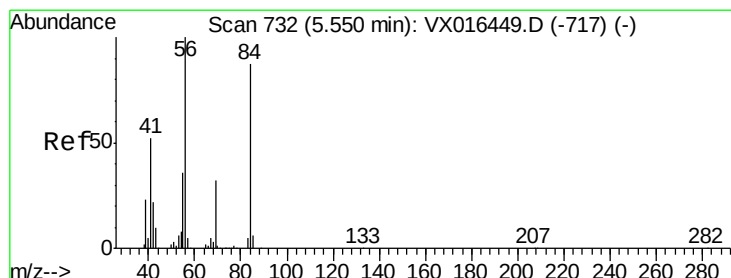
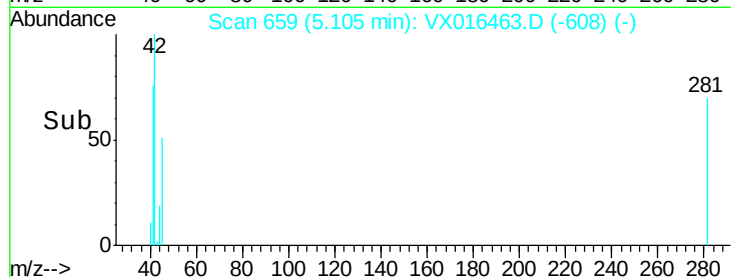
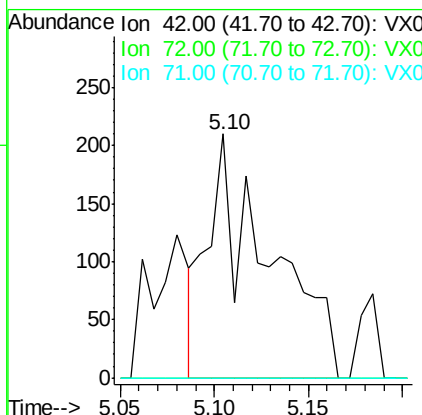
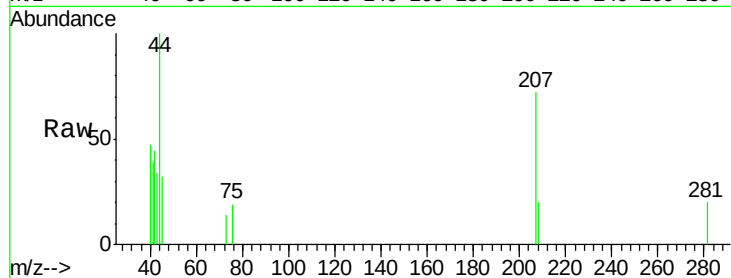




#29
Tetrahydrofuran
Concen: 0.288 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX016463.D
Acq: 27 May 2020 22:09

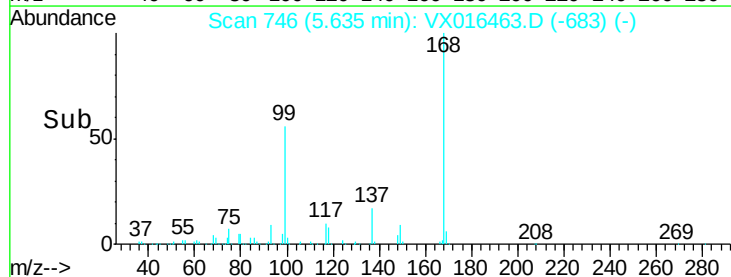
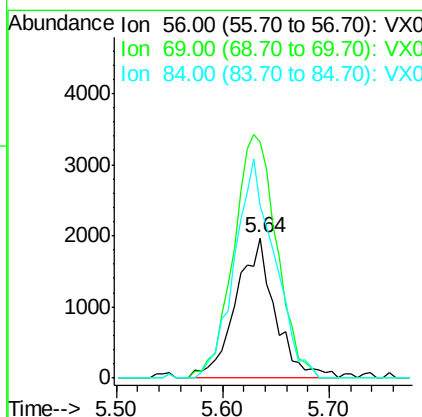
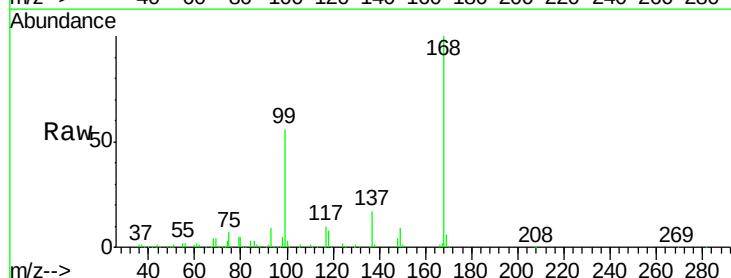
Instrument :
MSVOA_X
ClientSampleId :
TRE-1006

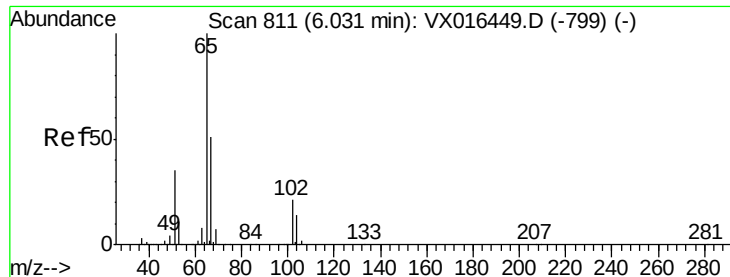
Tot Ion: 42 Resp: 467
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.4#
71 0.0 34.1 51.1#



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016463.D
Acq: 27 May 2020 22:09

Tgt Ion: 56 Resp: 5101
Ion Ratio Lower Upper
56 100
69 168.3 25.7 38.5#
84 122.6 70.0 105.0#

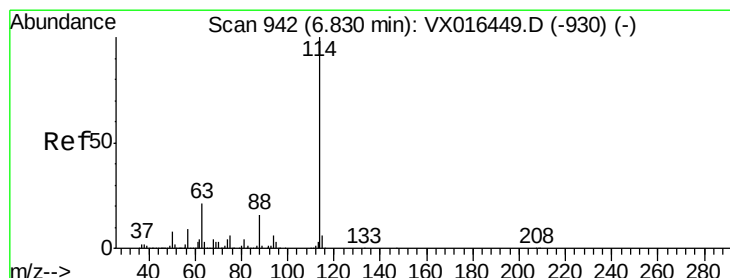
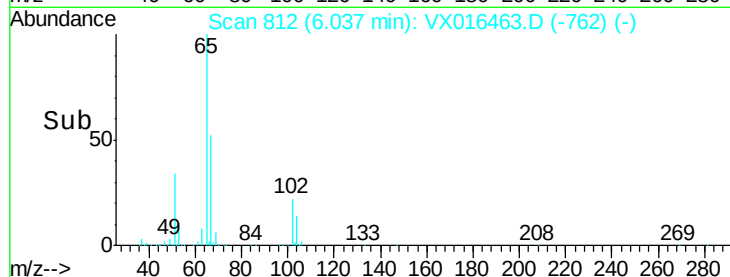
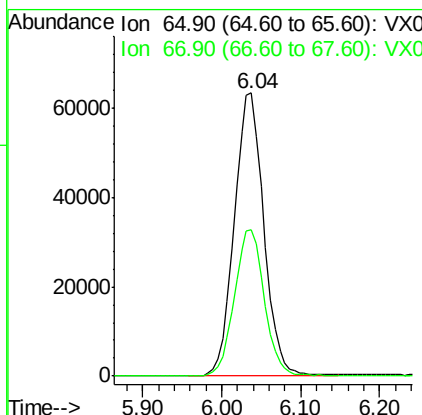
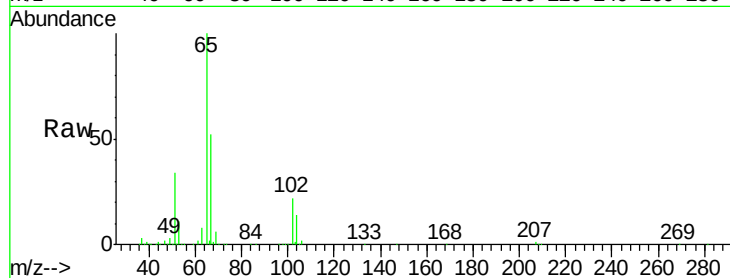




#33
 1,2-Dichloroethane-d4
 Concen: 48.787 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016463.D
 Acq: 27 May 2020 22:09

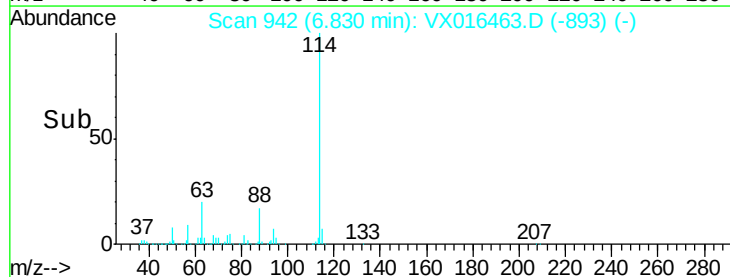
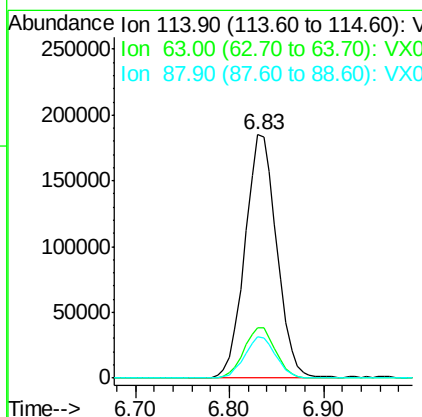
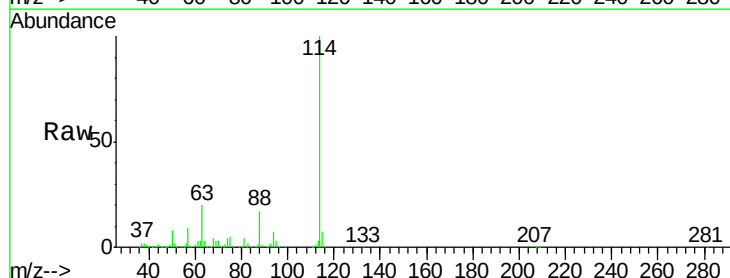
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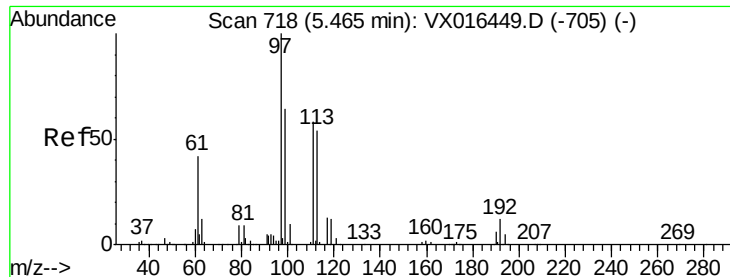
Tot Ion: 65 Resp: 165127
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016463.D
 Acq: 27 May 2020 22:09

Tgt Ion: 114 Resp: 438068
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.720 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016463.D

Acq: 27 May 2020 22:09

Instrument :

MSVOA_X

ClientSampleId :

TRE-1006

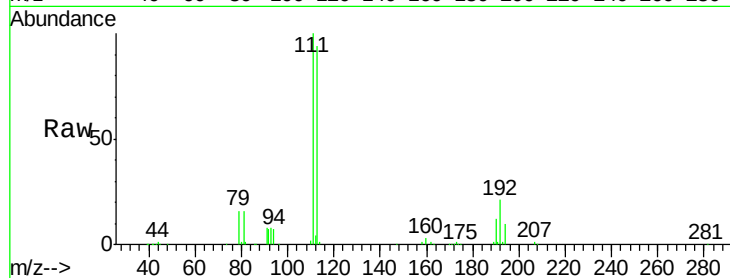
Tot Ion:113 Resp: 128720

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.6

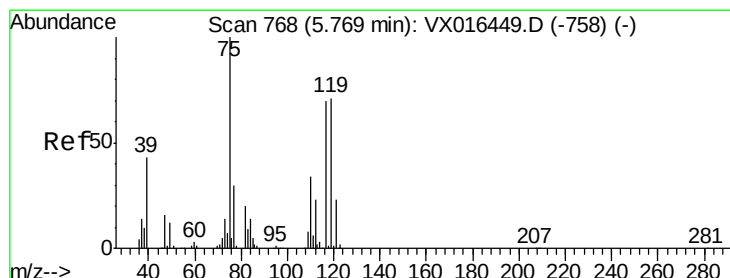
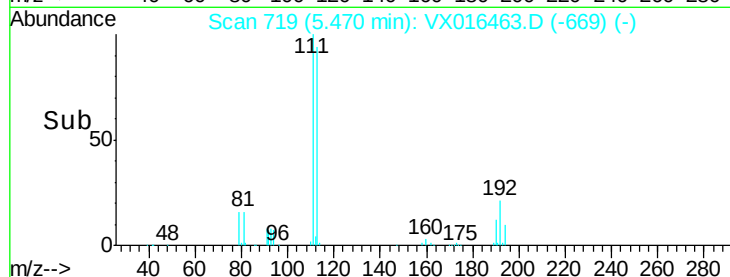
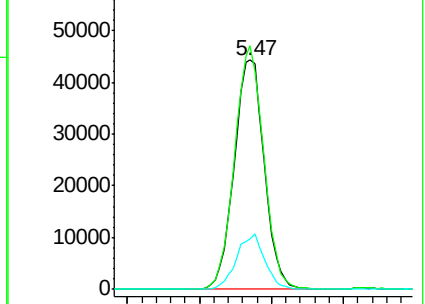
192 22.5 17.7 26.5



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: 5.002 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016463.D

Acq: 27 May 2020 22:09

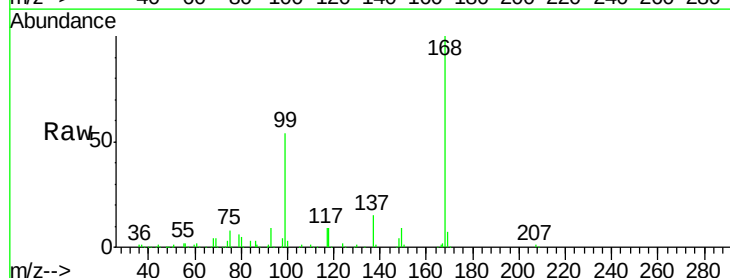
Tgt Ion: 75 Resp: 20747

Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.3#

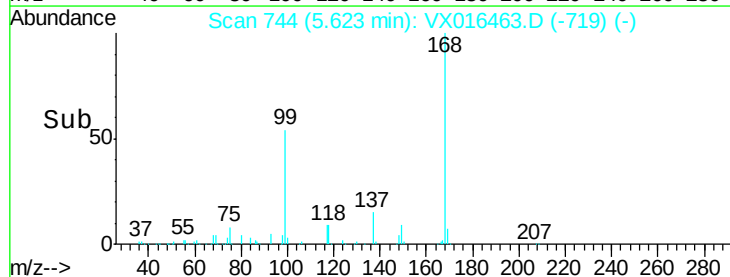
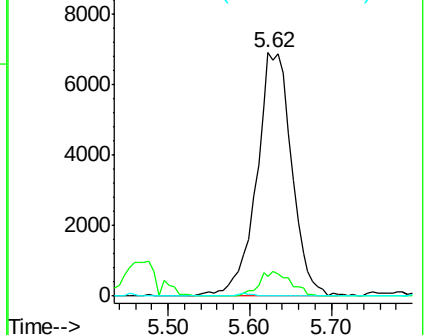
77 0.0 24.2 36.4#

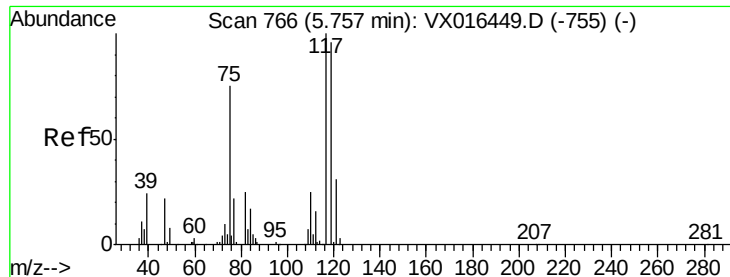


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.070 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016463.D

Acq: 27 May 2020 22:09

Instrument :

MSVOA_X

ClientSampleId :

TRE-1006

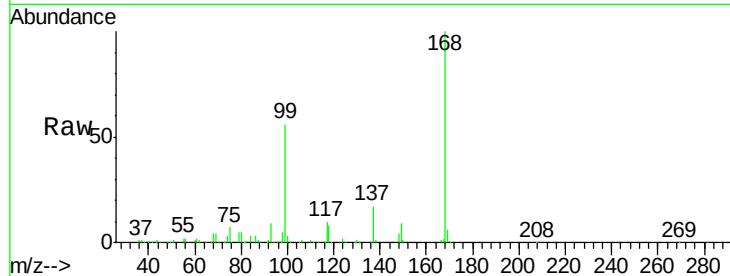
Tot Ion:117 Resp: 26458

Ion Ratio Lower Upper

117 100

119 4.7 76.3 114.5#

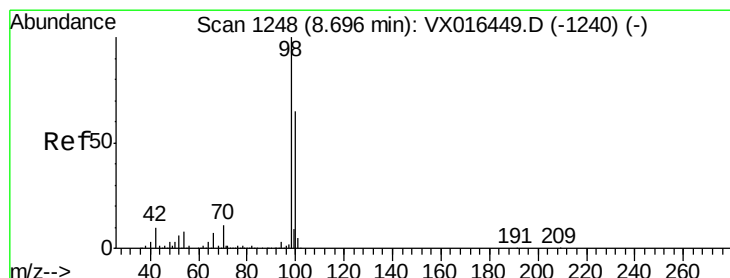
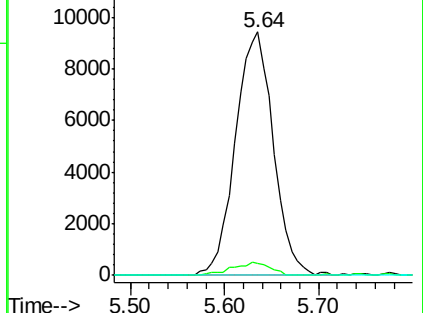
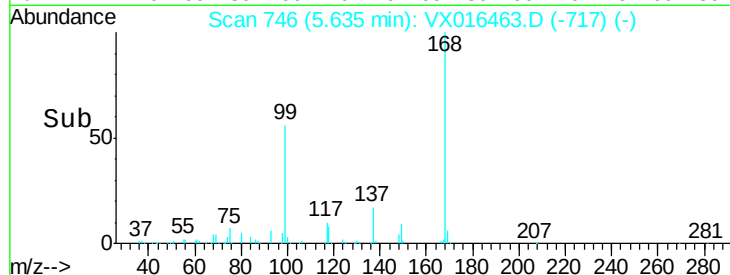
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 51.981 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016463.D

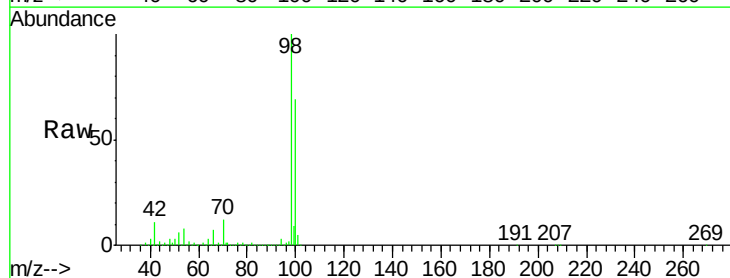
Acq: 27 May 2020 22:09

Tgt Ion: 98 Resp: 545737

Ion Ratio Lower Upper

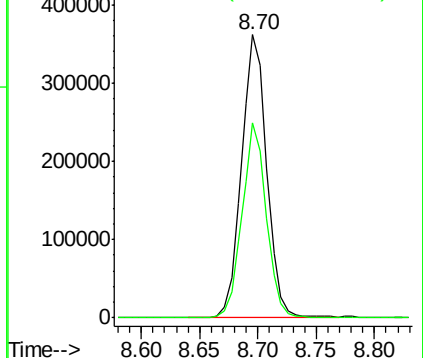
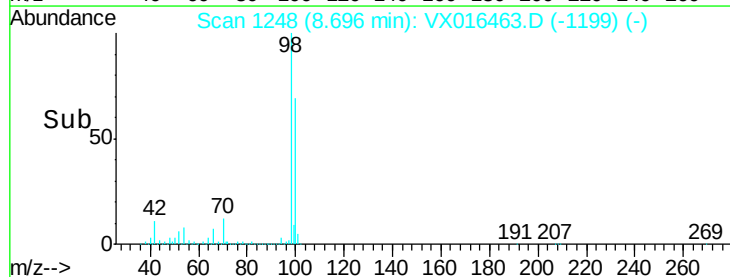
98 100

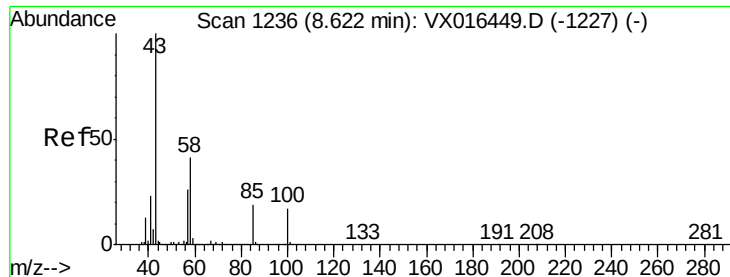
100 66.8 53.8 80.6



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: 0.256 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016463.D

Acq: 27 May 2020 22:09

Instrument :

MSVOA_X

ClientSampled :

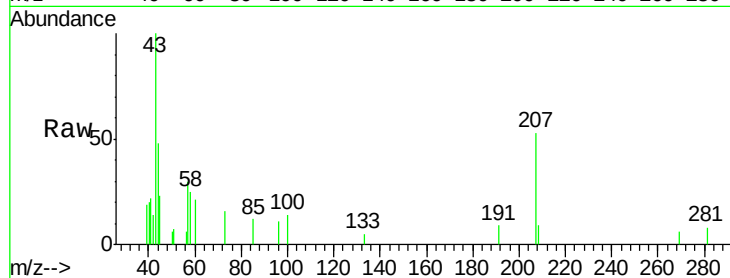
TRE-1006

Tot Ion: 43 Resp: 1238

Ion Ratio Lower Upper

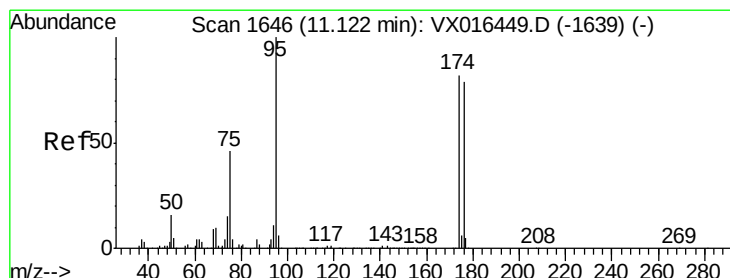
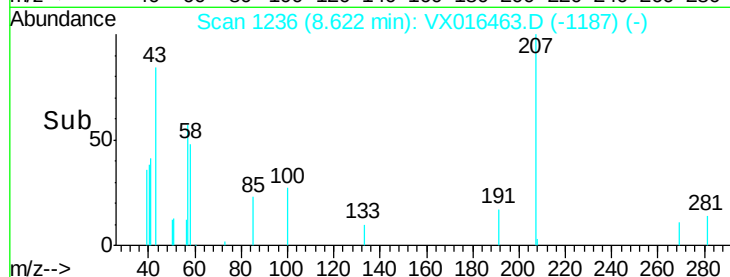
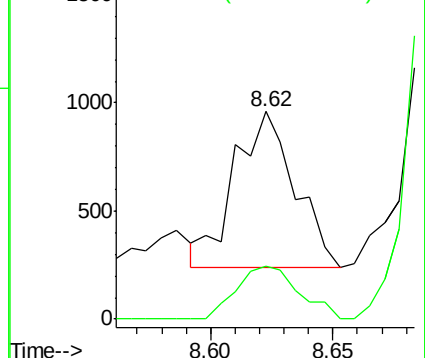
43 100

58 35.1 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: 54.905 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016463.D

Acq: 27 May 2020 22:09

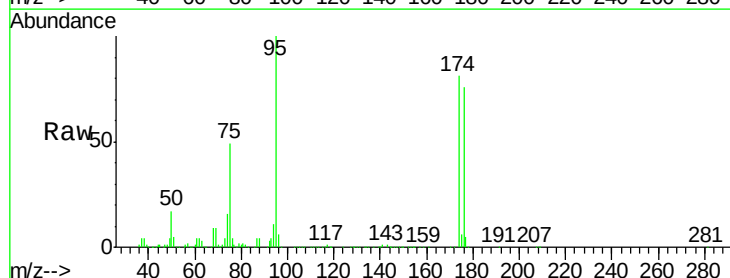
Tgt Ion: 95 Resp: 222733

Ion Ratio Lower Upper

95 100

174 83.3 0.0 163.0

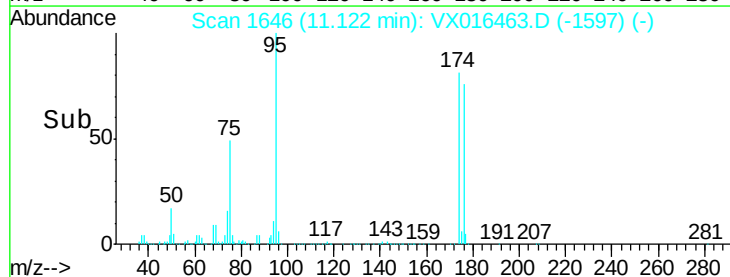
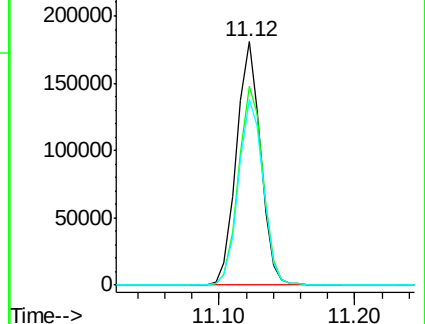
176 78.2 0.0 156.8

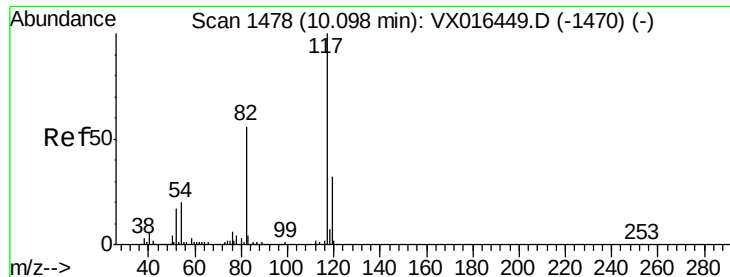


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX016463.D

Acq: 27 May 2020 22:09

Instrument :

MSVOA_X

ClientSampleId :

TRE-1006

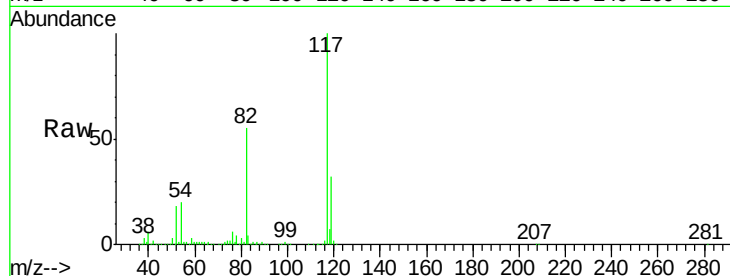
Tot Ion:117 Resp: 438559

Ion Ratio Lower Upper

117 100

82 55.0 45.0 67.6

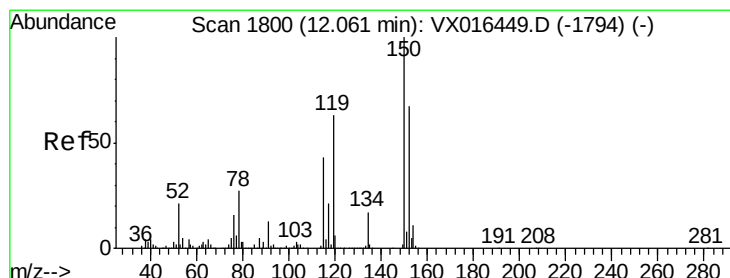
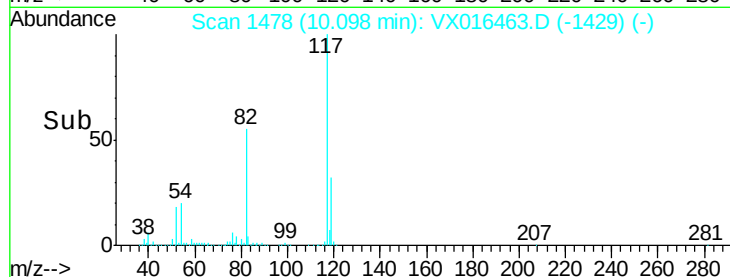
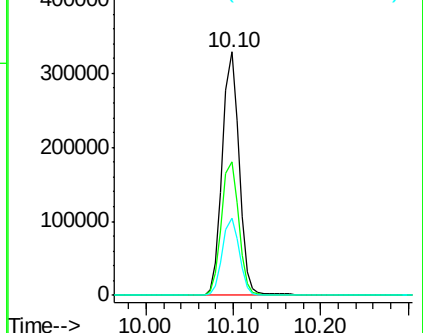
119 31.8 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): 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: VX016463.D

Acq: 27 May 2020 22:09

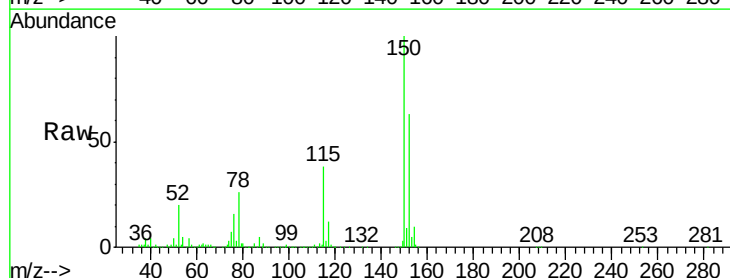
Tgt Ion:152 Resp: 225404

Ion Ratio Lower Upper

152 100

115 59.6 39.9 119.6

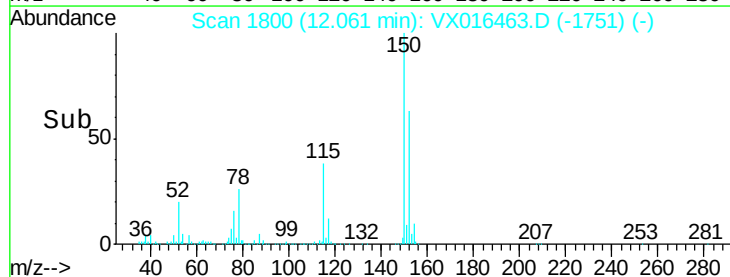
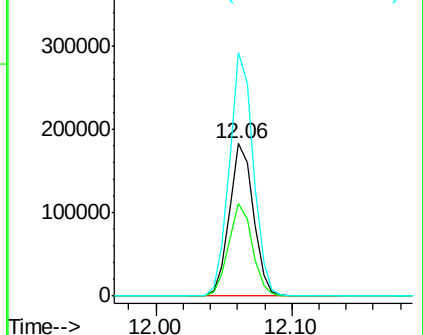
150 158.4 0.0 341.0

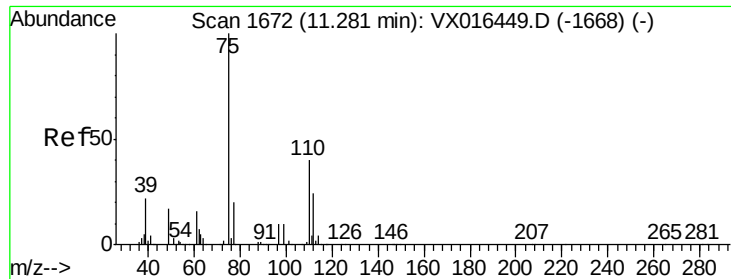


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.132 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016463.D

Acq: 27 May 2020 22:09

Instrument :

MSVOA_X

ClientSampleId :

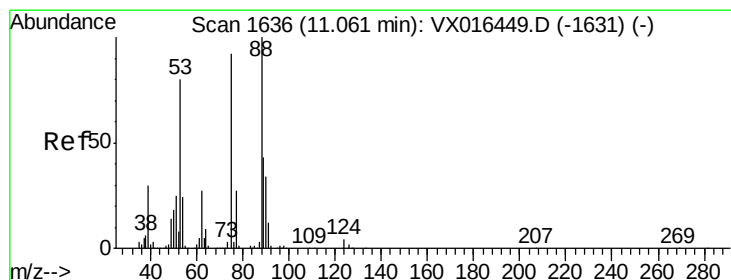
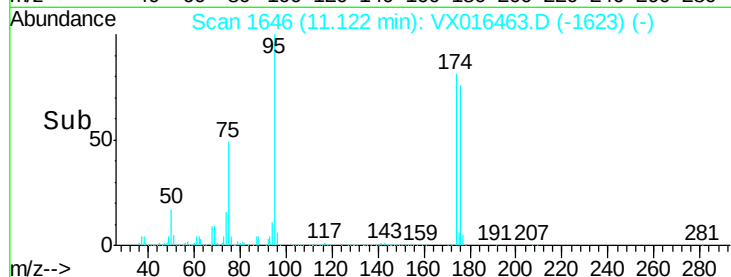
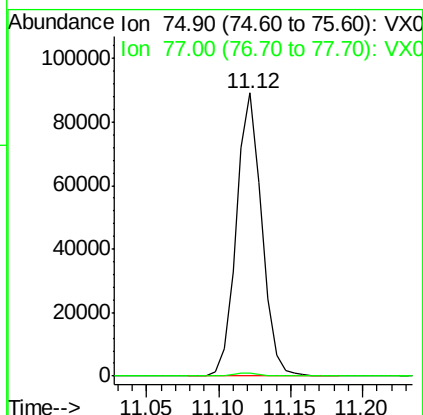
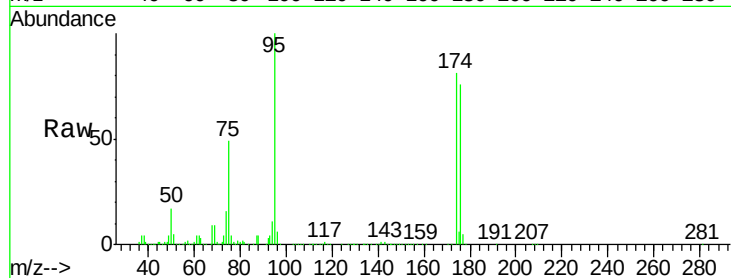
TRE-1006

Tot Ion: 75 Resp: 109651

Ion Ratio Lower Upper

75 100

77 1.3 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.440 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016463.D

Acq: 27 May 2020 22:09

Tgt Ion: 75 Resp: 109651

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

