

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061220\
 Data File : VX016732.D
 Acq On : 12 Jun 2020 16:41
 Operator : JC/SP
 Sample : L3004-06 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 04:31:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	220373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	351011	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	353411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	186204	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	134049	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	5.46	113	109843	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	8.70	98	432455	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.12	95	173006	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	

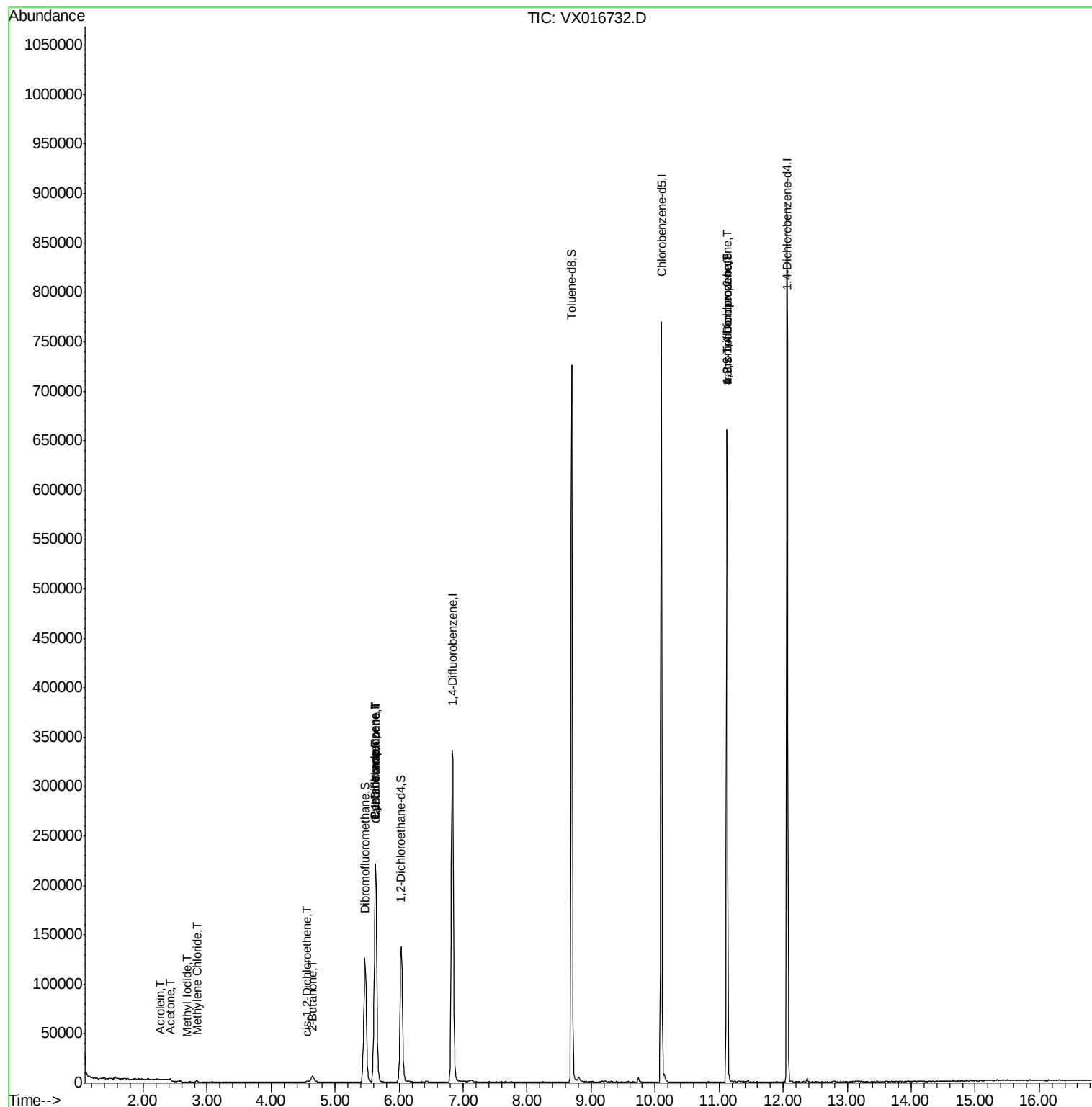
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.68	142	27	3.066	ug/l #	40
13) Acrolein	2.27	56	149	0.499	ug/l #	1
16) Acetone	2.42	43	785	0.655	ug/l #	71
20) Methylene Chloride	2.83	84	889	0.358	ug/l	95
25) 2-Butanone	4.65	43	630	0.310	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	1035	0.381	ug/l	70
31) Cyclohexane	5.62	56	3669	0.965	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15717	4.729	ug/l #	46
38) Carbon Tetrachloride	5.64	117	20859	5.972	ug/l #	15
76) 1,2,3-Trichloropropane	11.12	75	83054	20.292	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	83054	49.916	ug/l #	14

(#) = 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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016732.D

Acq: 12 Jun 2020 16:41

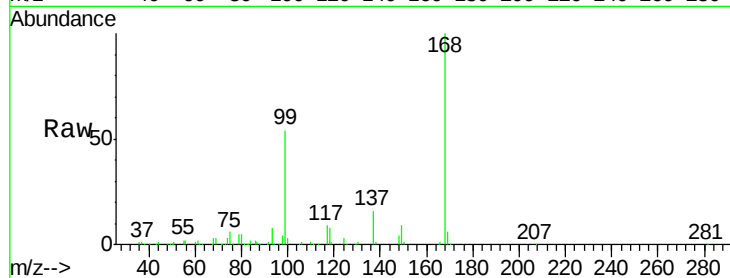
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 220373

Ion Ratio Lower Upper

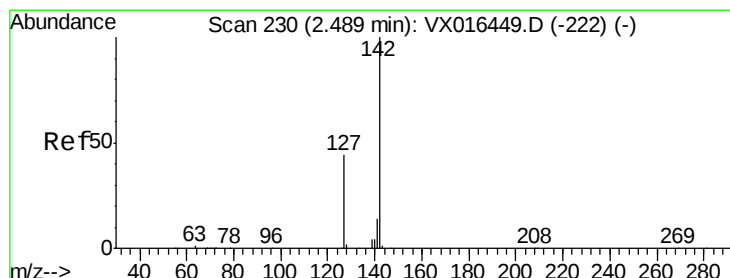
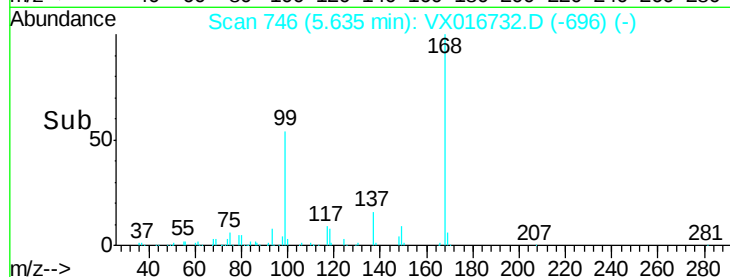
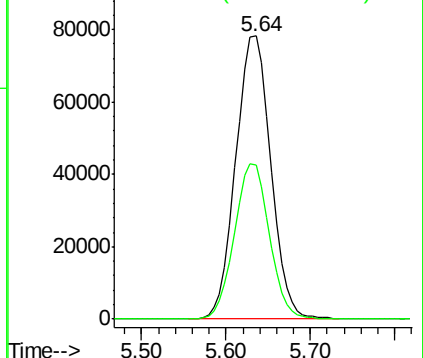
168 100

99 54.4 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 3.066 ug/l

RT: 2.68 min Scan# 262

Delta R.T. 0.20 min

Lab File: VX016732.D

Acq: 12 Jun 2020 16:41

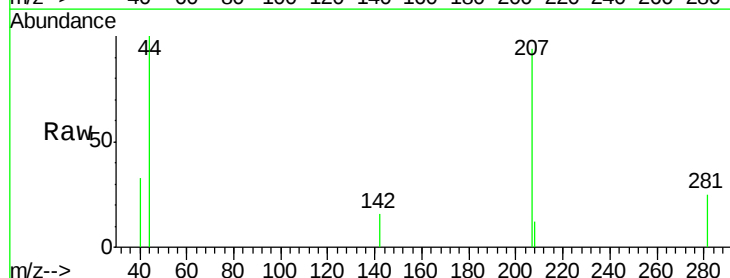
Tgt Ion:142 Resp: 27

Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

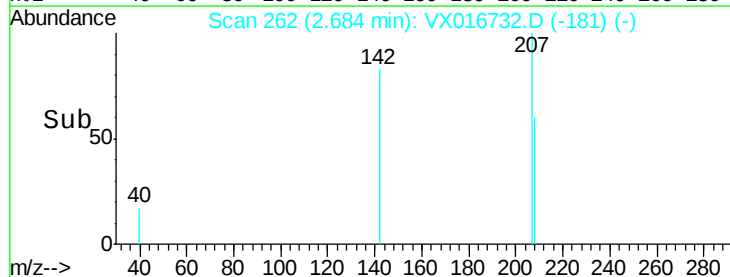
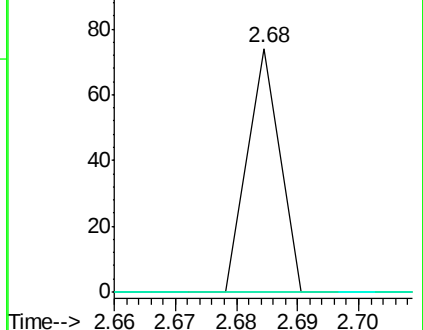
141 0.0 11.4 17.2#

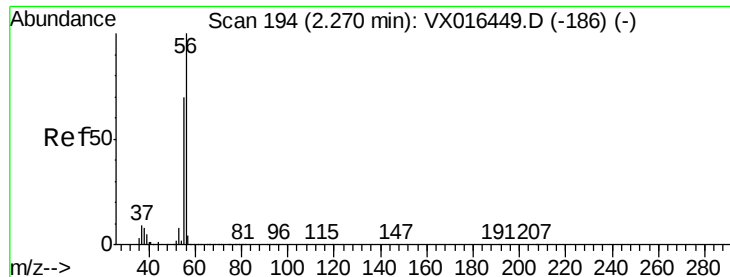


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.499 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016732.D

Acq: 12 Jun 2020 16:41

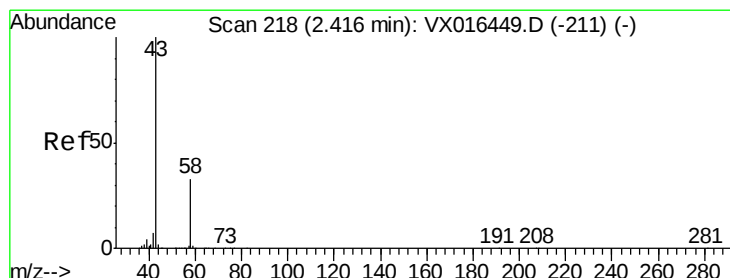
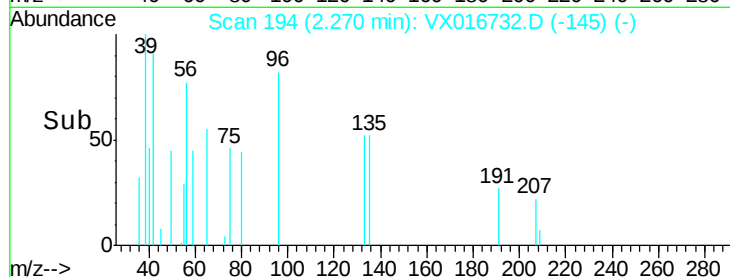
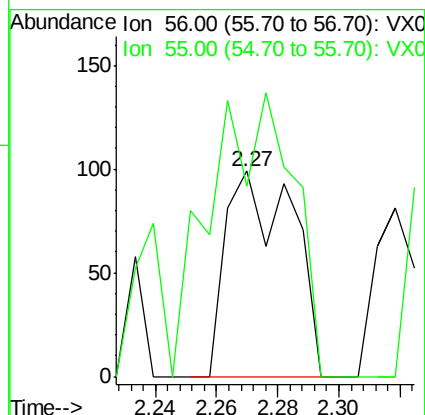
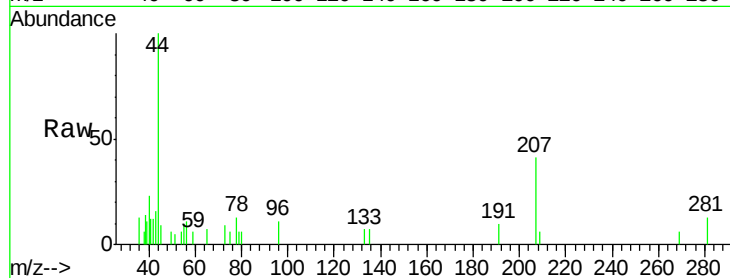
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 172.5 58.3 87.5#



#16

Acetone

Concen: 0.655 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016732.D

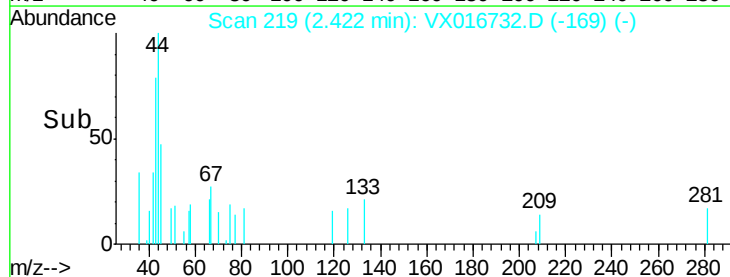
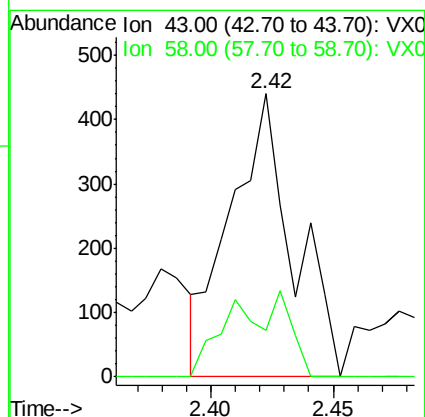
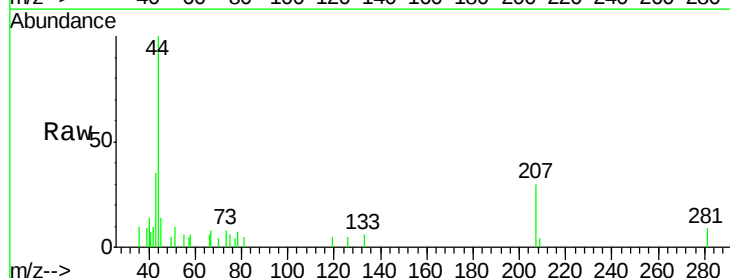
Acq: 12 Jun 2020 16:41

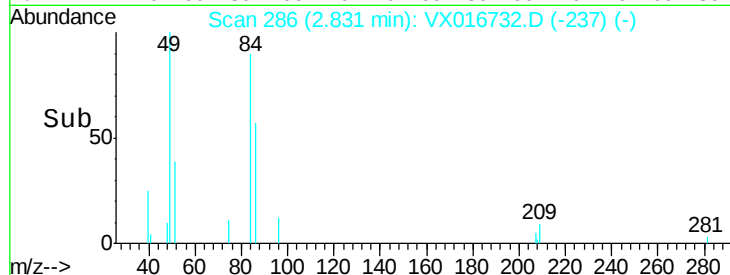
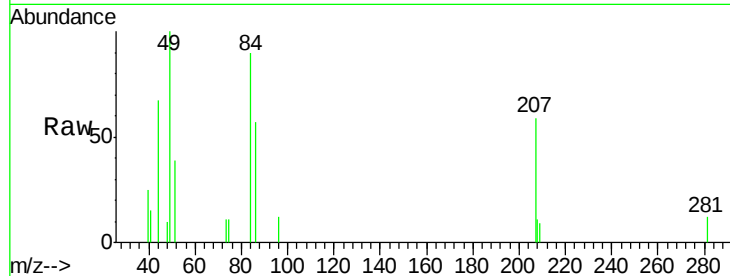
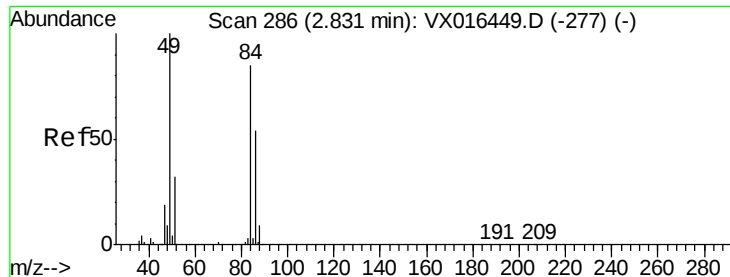
Tgt Ion: 43 Resp: 785

Ion Ratio Lower Upper

43 100

58 16.4 26.1 39.1#

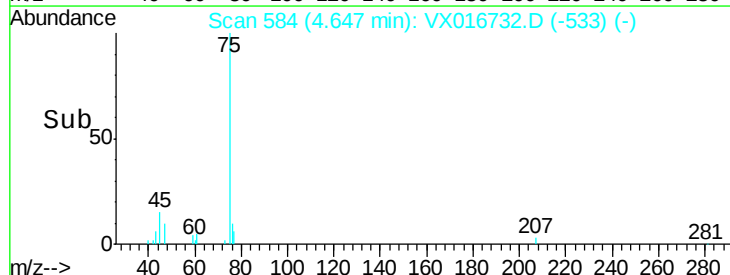
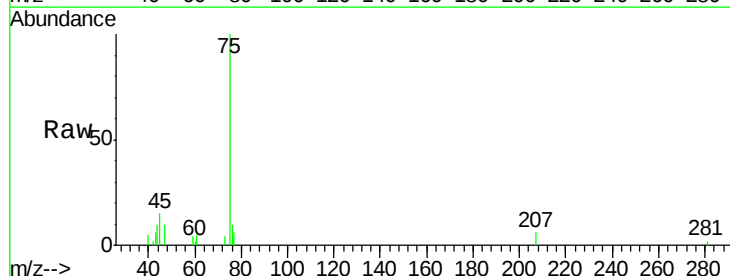
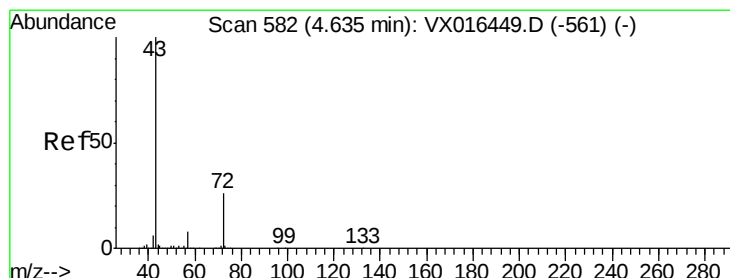
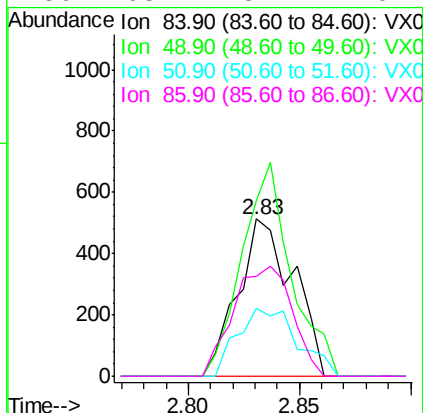




#20
Methylene Chloride
Concen: 0.358 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016732.D
Acq: 12 Jun 2020 16:41

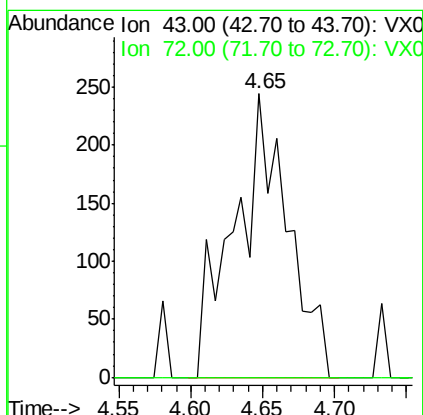
Instrument :
MSVOA_X
ClientSampleId :

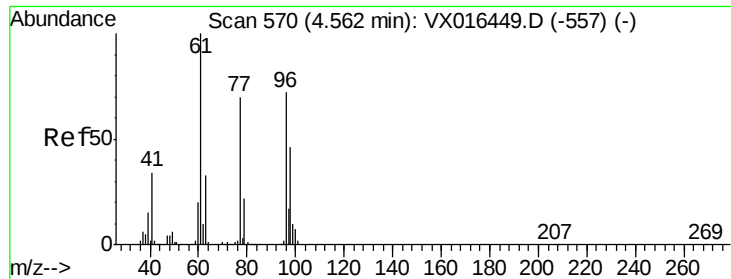
Tot Ion:	84	Resp:	889
Ion	Ratio	Lower	Upper
84	100		
49	111.7	94.5	141.7
51	43.3	30.2	45.4
86	63.4	51.1	76.7



#25
2-Butanone
Concen: 0.310 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX016732.D
Acq: 12 Jun 2020 16:41

Tgt Ion:	43	Resp:	630
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.6#



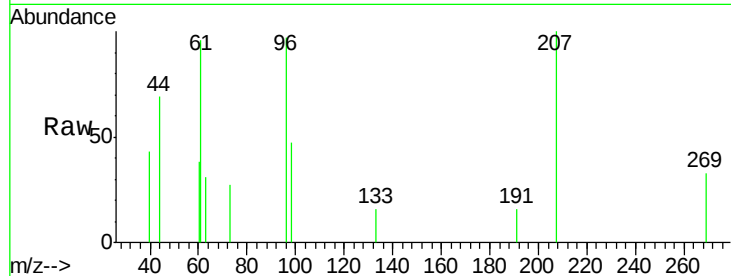


#27

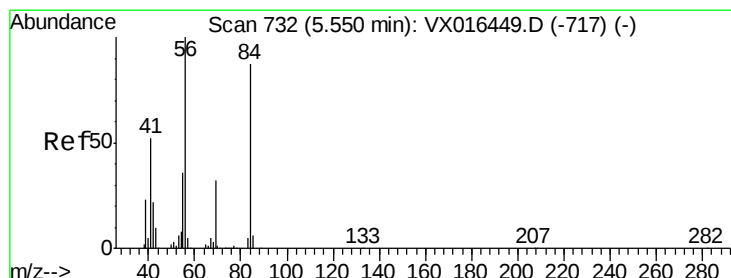
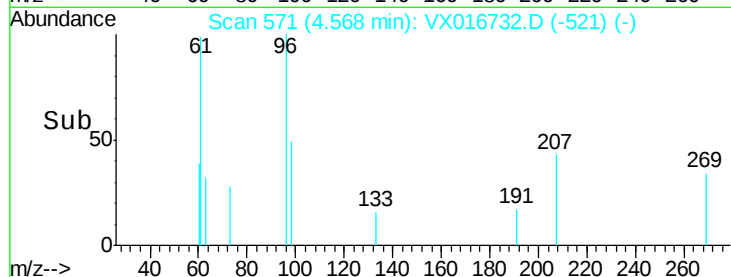
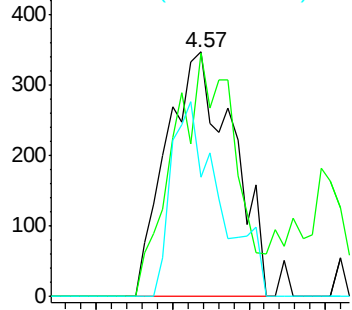
cis-1,2-Dichloroethene
Concen: 0.381 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016732.D
Acq: 12 Jun 2020 16:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	96	Resp:	1035
Ion	Ratio	Lower	Upper
96	100		
61	93.3	0.0	284.6
98	58.5	0.0	127.2



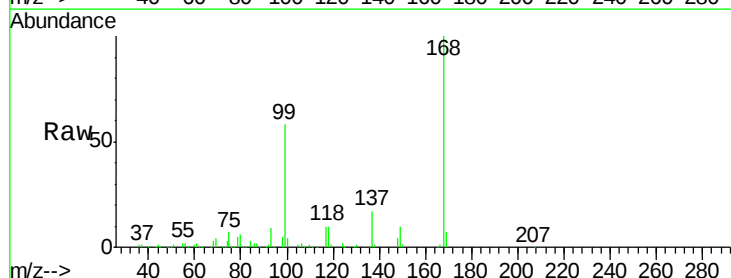
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



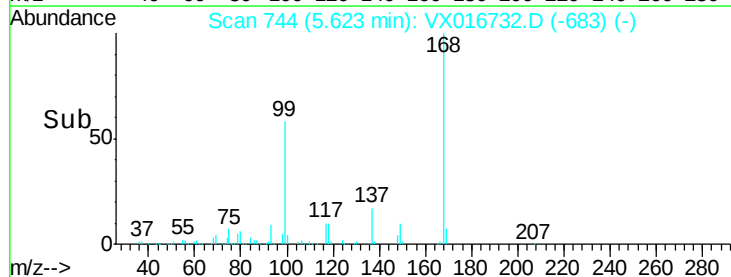
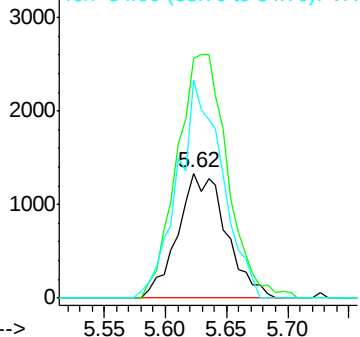
#31

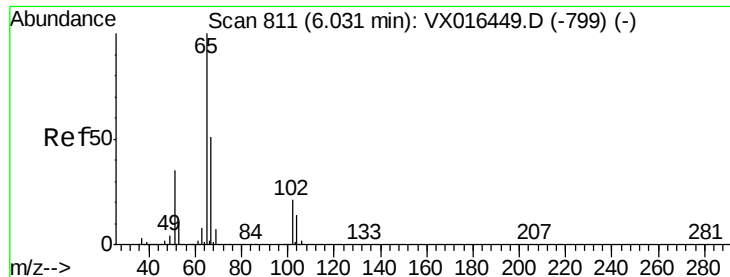
Cyclohexane
Concen: 0.965 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016732.D
Acq: 12 Jun 2020 16:41

Tgt Ion	56	Resp:	3669
Ion	Ratio	Lower	Upper
56	100		
69	191.8	25.7	38.5#
84	174.4	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

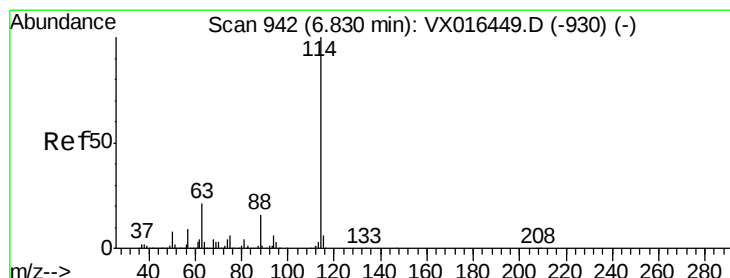
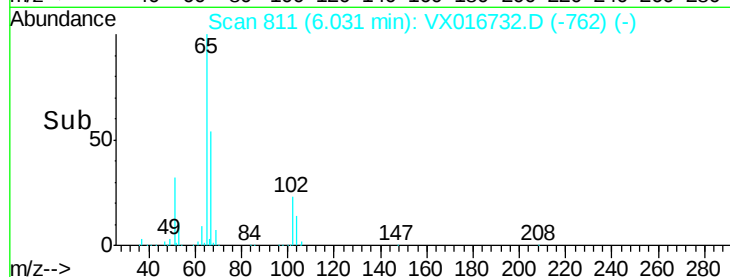
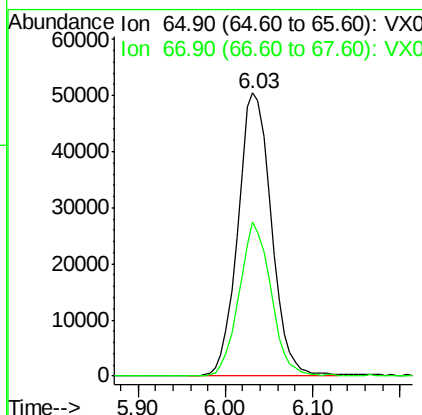
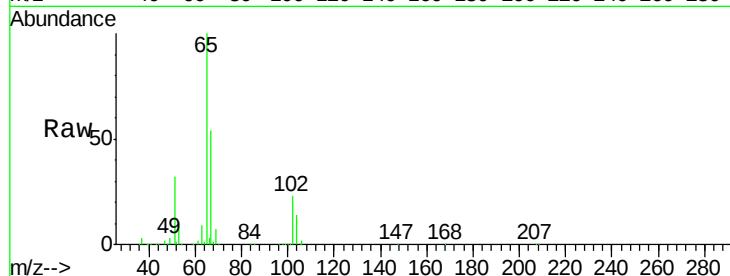




#33
 1,2-Dichloroethane-d4
 Concen: 48.981 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016732.D
 Acq: 12 Jun 2020 16:41

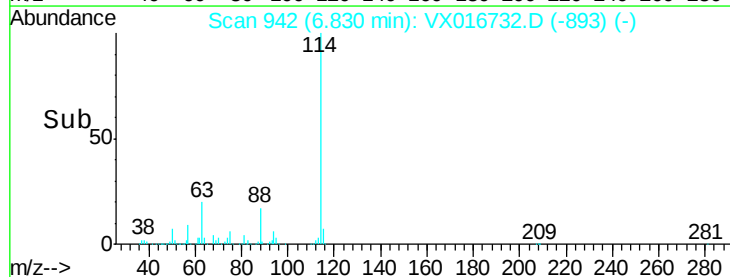
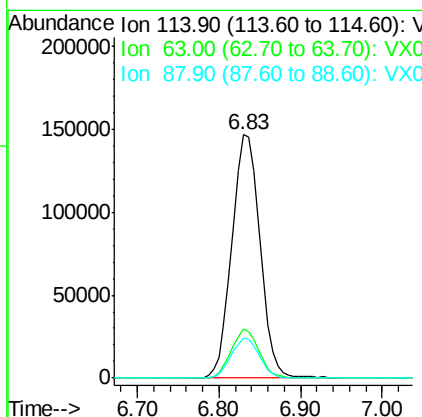
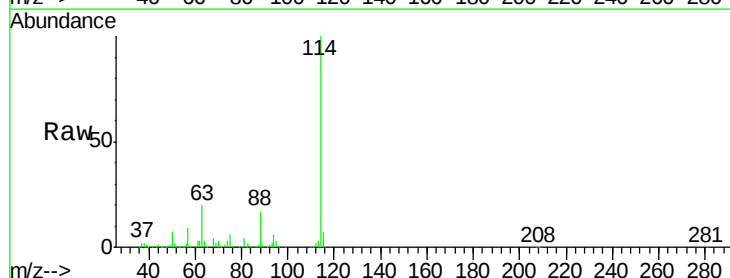
Instrument :
 MSVOA_X
 ClientSampleId :

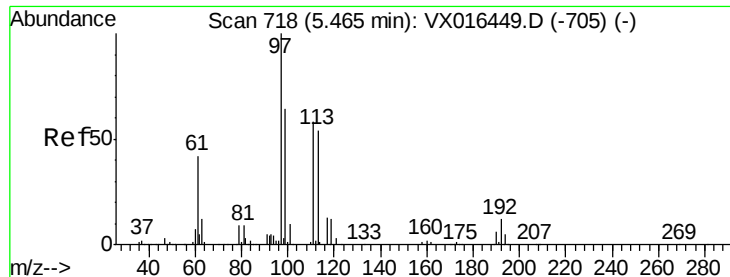
Tot Ion: 65 Resp: 134049
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016732.D
 Acq: 12 Jun 2020 16:41

Tgt Ion: 114 Resp: 351011
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.6
 88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.822 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016732.D

Acq: 12 Jun 2020 16:41

Instrument :
MSVOA_X
ClientSampled :

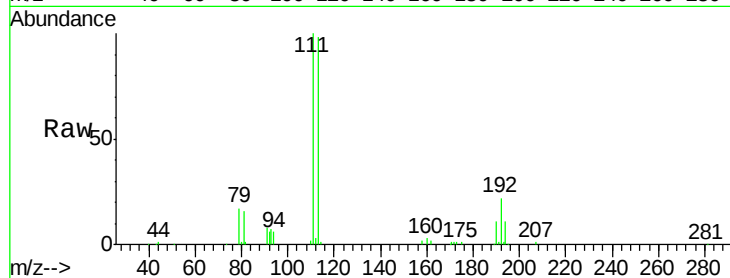
Tot Ion:113 Resp: 109843

Ion Ratio Lower Upper

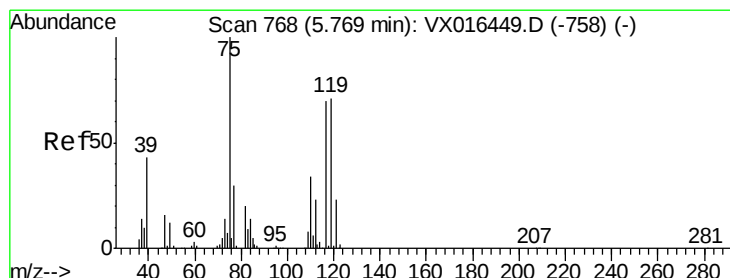
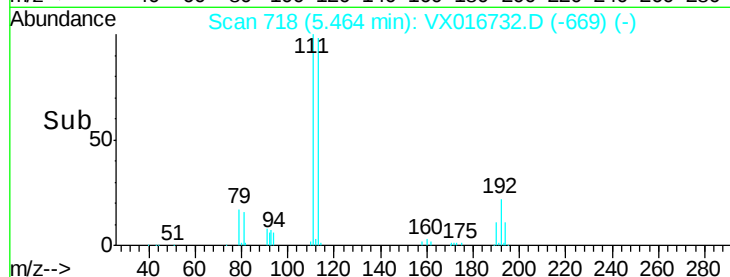
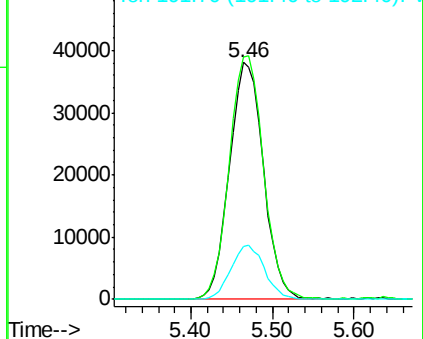
113 100

111 103.5 83.0 124.6

192 22.7 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: 4.729 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016732.D

Acq: 12 Jun 2020 16:41

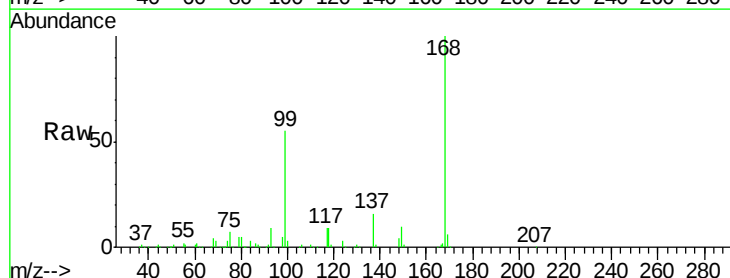
Tgt Ion: 75 Resp: 15717

Ion Ratio Lower Upper

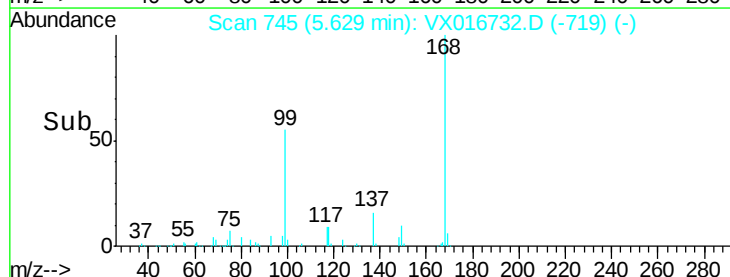
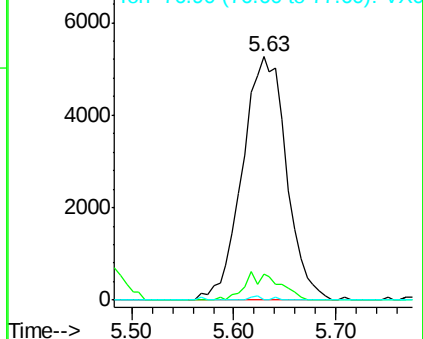
75 100

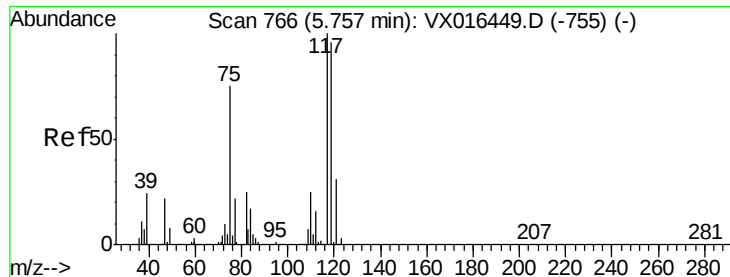
110 3.7 17.4 52.3#

77 0.3 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: 5.972 ug/l

RT: 5.64 min Scan# 747

Delta R.T. -0.12 min

Lab File: VX016732.D

Acq: 12 Jun 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

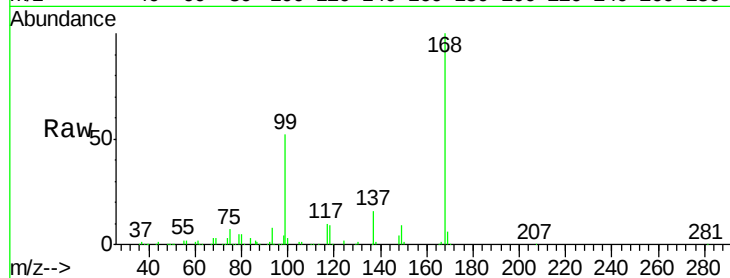
Tot Ion:117 Resp: 20859

Ion Ratio Lower Upper

117 100

119 3.6 76.3 114.5#

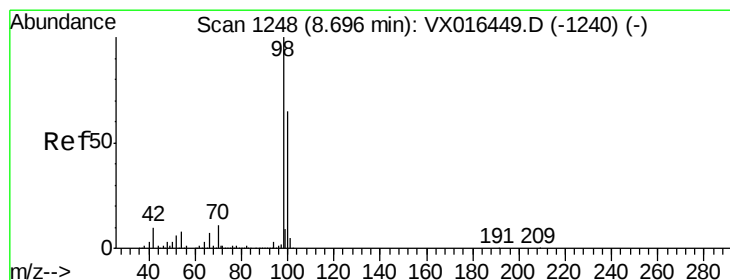
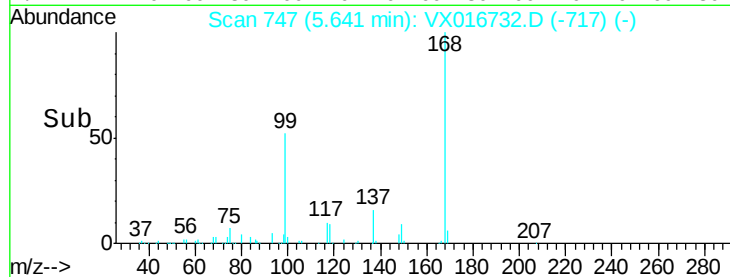
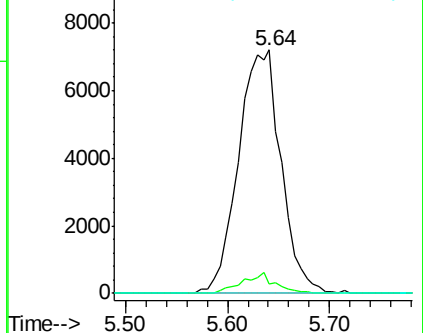
121 0.0 24.6 37.0#



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: 51.407 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016732.D

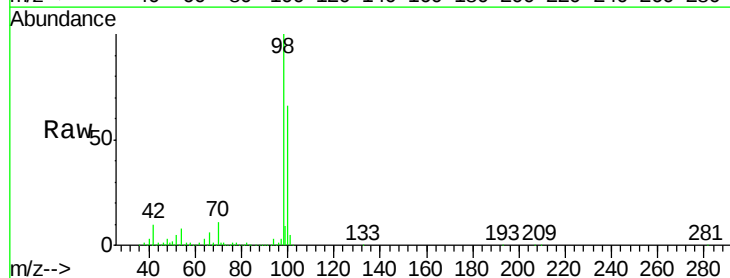
Acq: 12 Jun 2020 16:41

Tgt Ion: 98 Resp: 432455

Ion Ratio Lower Upper

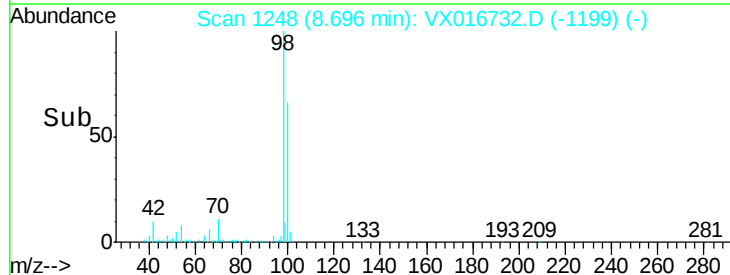
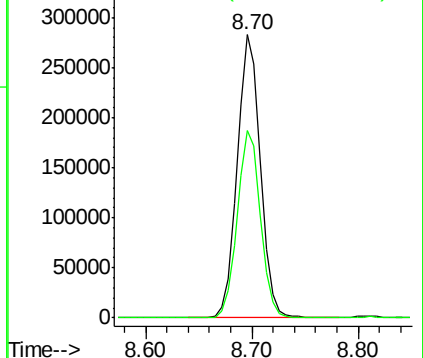
98 100

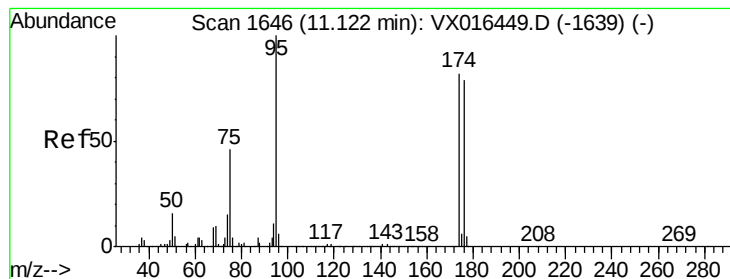
100 66.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.224 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016732.D

Acq: 12 Jun 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

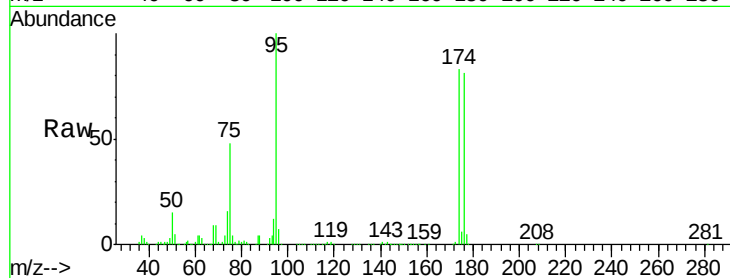
Tot Ion: 95 Resp: 173006

Ion Ratio Lower Upper

95 100

174 86.5 0.0 163.0

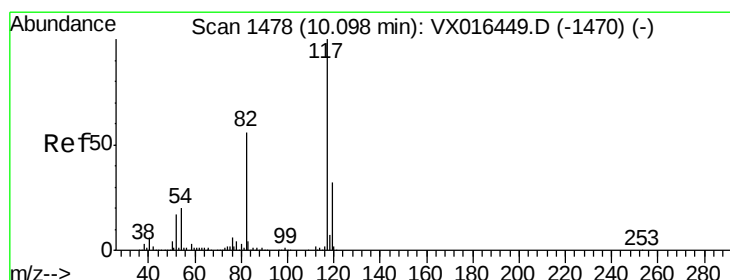
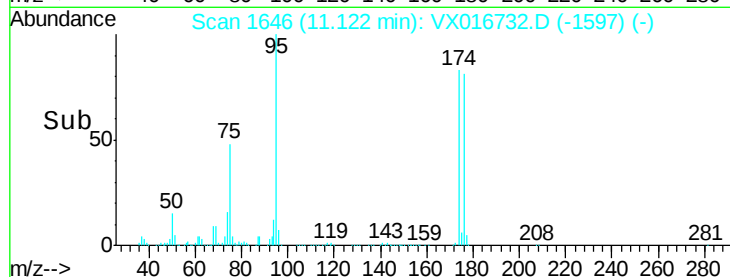
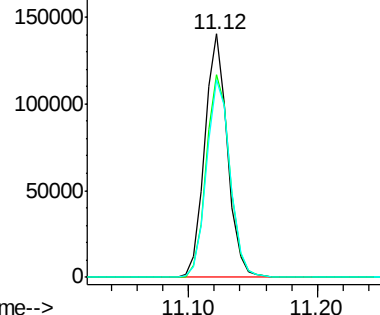
176 84.2 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016449.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016449.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016449.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016732.D

Acq: 12 Jun 2020 16:41

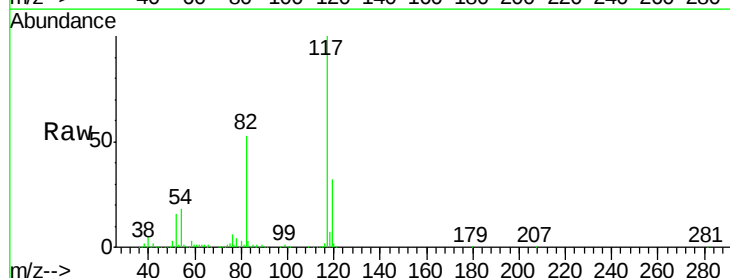
Tgt Ion: 117 Resp: 353411

Ion Ratio Lower Upper

117 100

82 52.6 45.0 67.6

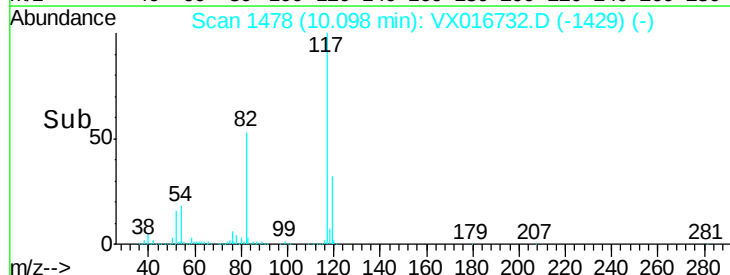
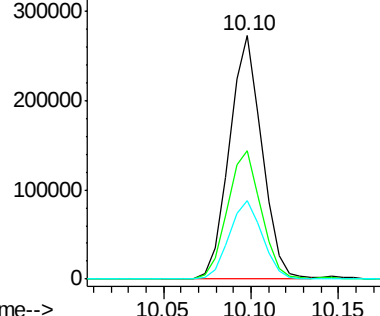
119 32.2 25.8 38.8

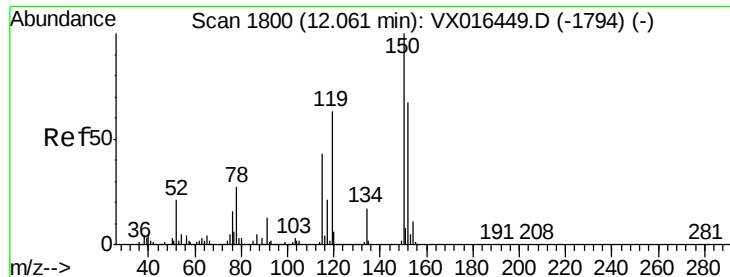


Abundance Ion 116.90 (116.60 to 117.60): VX016449.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016449.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016449.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016732.D

Acq: 12 Jun 2020 16:41

Instrument :

MSVOA_X

ClientSampled :

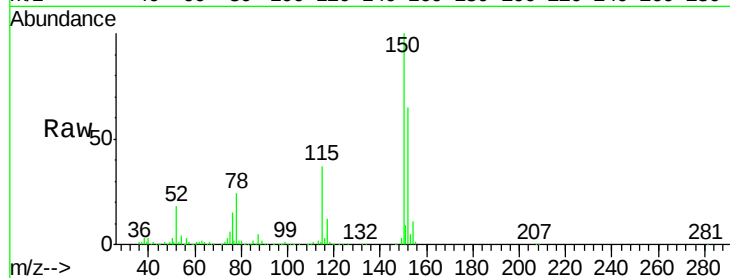
Tot Ion:152 Resp: 186204

Ion Ratio Lower Upper

152 100

115 58.1 39.9 119.6

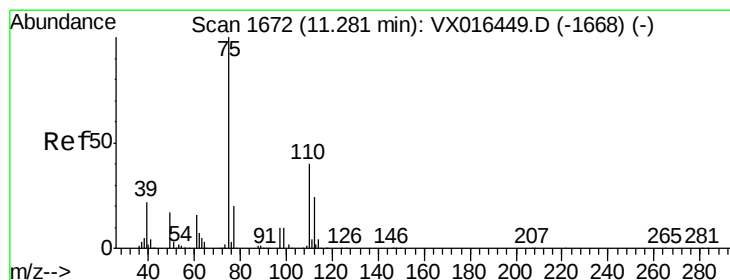
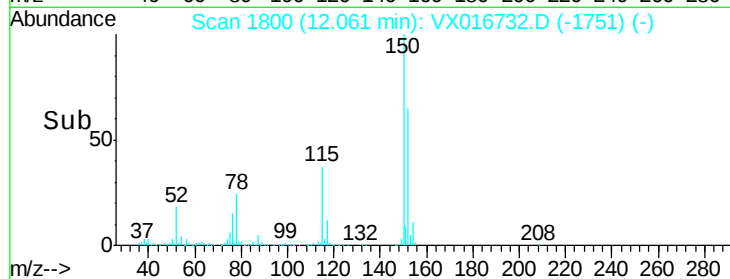
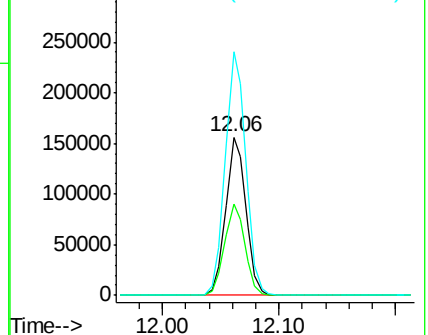
150 156.7 0.0 341.0



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: 20.292 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016732.D

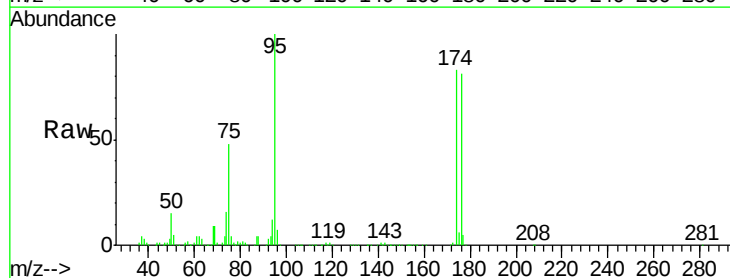
Acq: 12 Jun 2020 16:41

Tgt Ion: 75 Resp: 83054

Ion Ratio Lower Upper

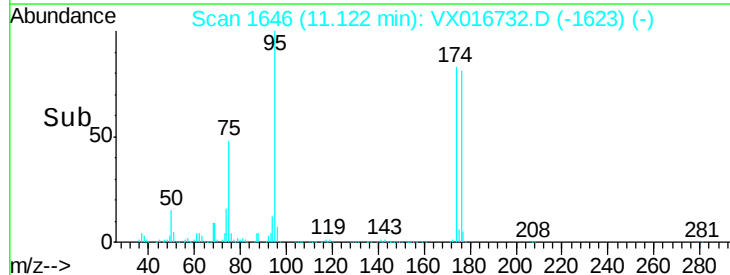
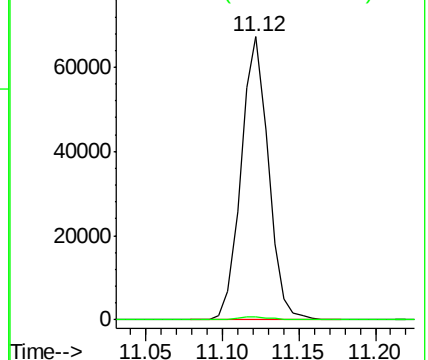
75 100

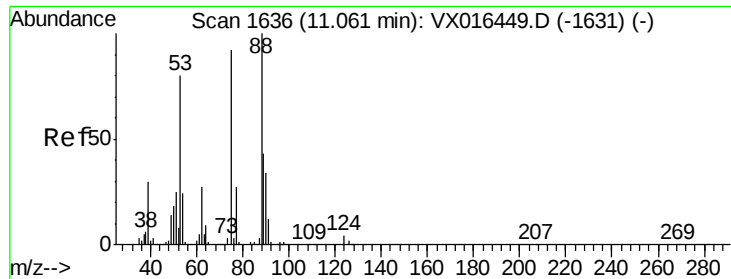
77 1.4 21.3 63.7#



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: 49.916 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016732.D
 Acq: 12 Jun 2020 16:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 83054
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.3 106.9#
 89 0.0 36.6 55.0#

