

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061220\
 Data File : VX016738.D
 Acq On : 12 Jun 2020 18:57
 Operator : JC/SP
 Sample : L2971-03 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 04:33:23 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	219287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	346992	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	365947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	193804	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	132939	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
35) Dibromofluoromethane	5.46	113	109393	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
50) Toluene-d8	8.70	98	430122	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.12	95	175028	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	

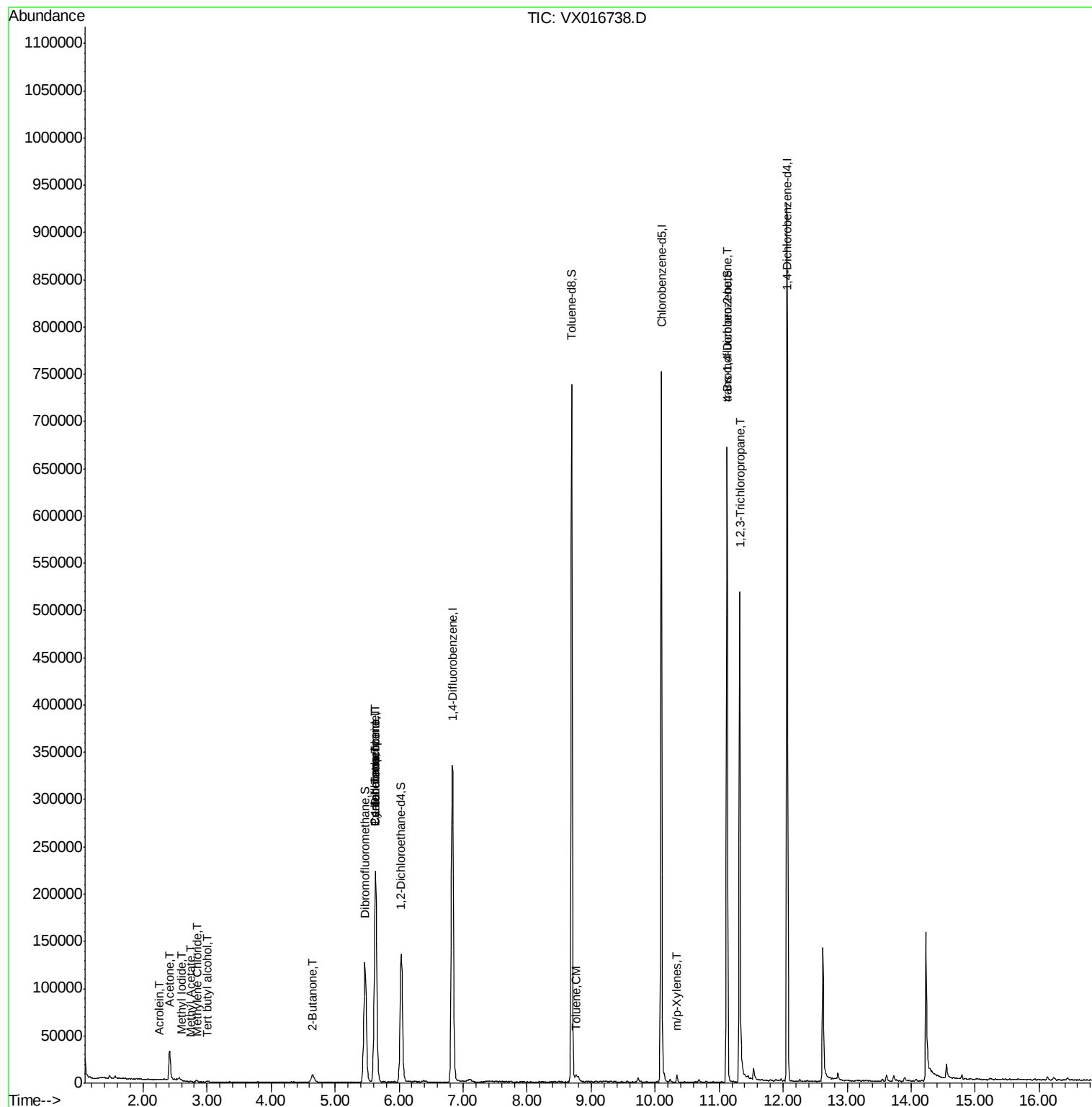
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.60	142	19	3.063	ug/l #	40
11) Tert butyl alcohol	3.00	59	523	0.749	ug/l #	72
13) Acrolein	2.26	56	302	1.017	ug/l #	82
16) Acetone	2.42	43	32659	27.373	ug/l	100
18) Methyl Acetate	2.75	43	783	0.256	ug/l #	77
20) Methylene Chloride	2.84	84	668	0.271	ug/l #	83
25) 2-Butanone	4.64	43	1326	0.656	ug/l #	81
31) Cyclohexane	5.63	56	3492	0.923	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15480	4.712	ug/l #	51
38) Carbon Tetrachloride	5.63	117	20675	5.988	ug/l #	18
52) Toluene	8.77	92	1925	0.312	ug/l	99
68) m/p-Xylenes	10.34	106	1566	0.318	ug/l	82
76) 1,2,3-Trichloropropane	11.32	75	8640	2.028	ug/l #	42
81) trans-1,4-Dichloro-2-buten	11.12	75	83664	48.311	ug/l #	14

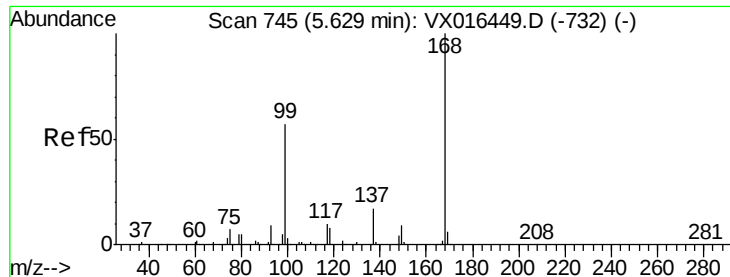
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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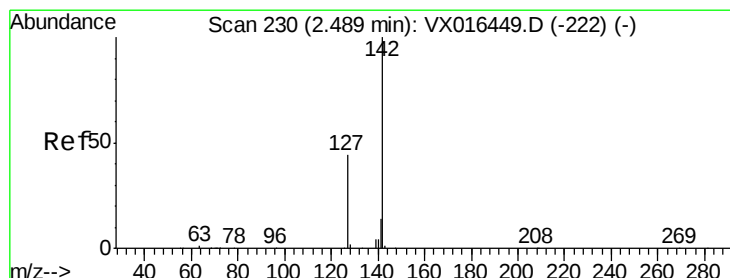
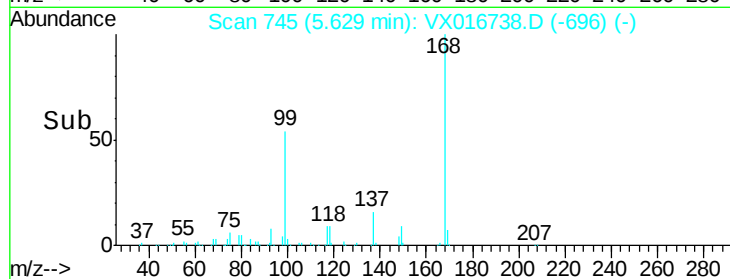
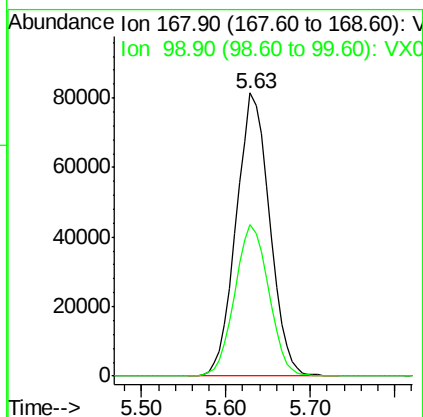
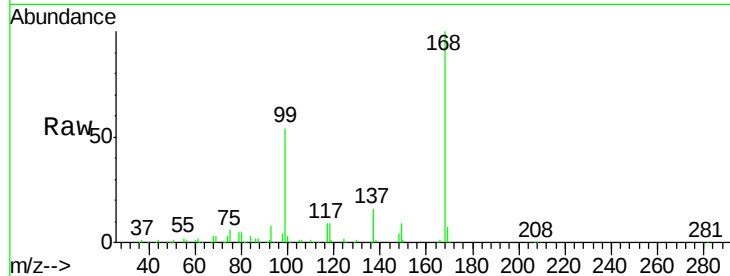




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.00 min
Lab File: VX016738.D
Acq: 12 Jun 2020 18:57

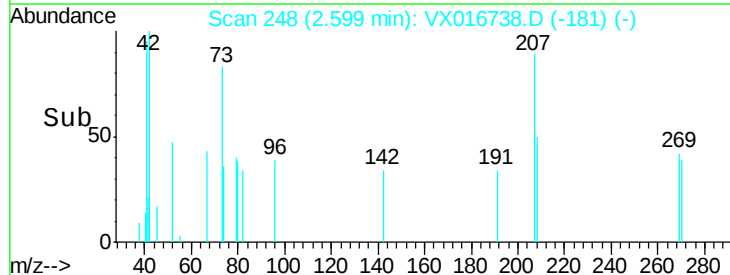
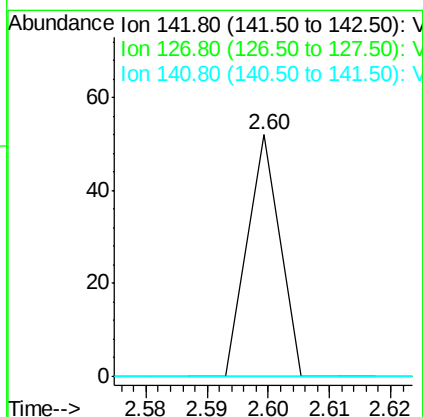
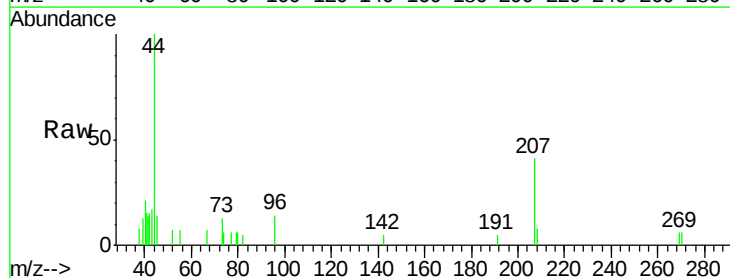
Instrument :
MSVOA_X
ClientSampleId :

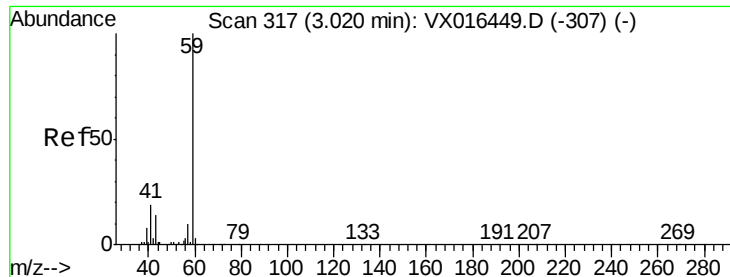
Tot Ion:168 Resp: 219287
Ion Ratio Lower Upper
168 100
99 53.7 45.2 67.8



#10
Methyl Iodide
Concen: 3.063 ug/l
RT: 2.60 min Scan# 248
Delta R.T. 0.11 min
Lab File: VX016738.D
Acq: 12 Jun 2020 18:57

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

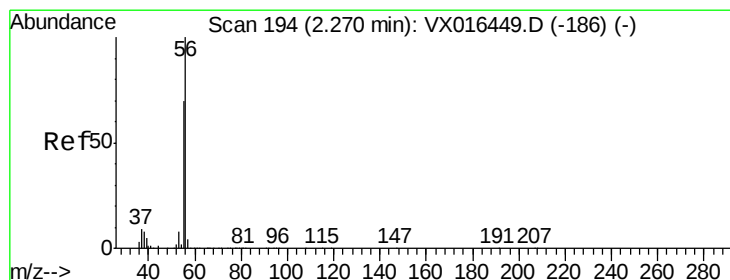
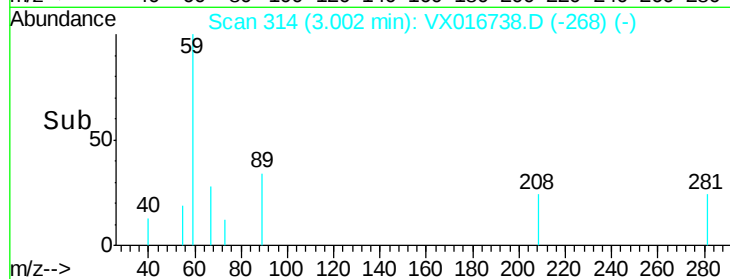
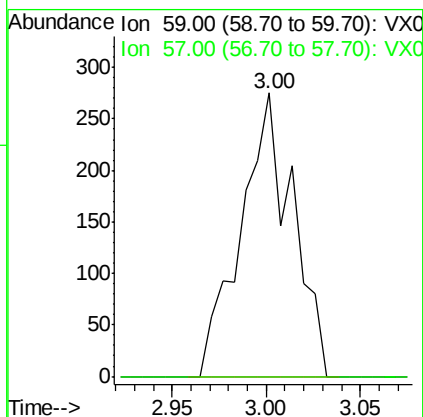
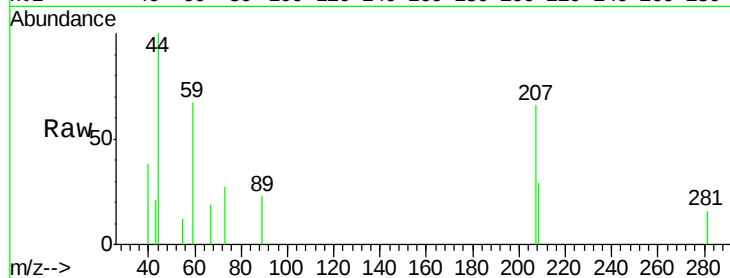




#11
Tert butyl alcohol
Concen: 0.749 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016738.D
Acq: 12 Jun 2020 18:57

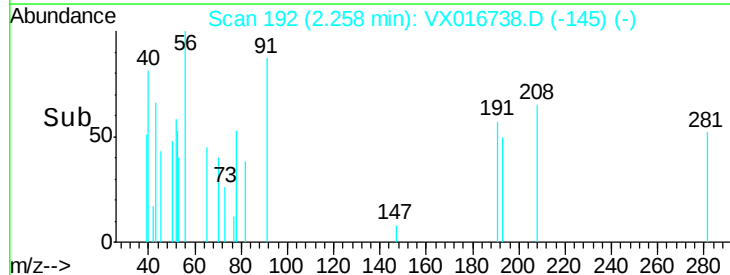
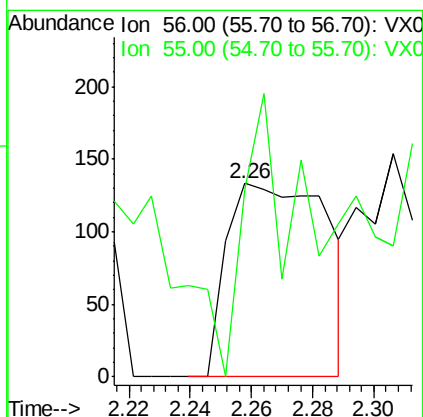
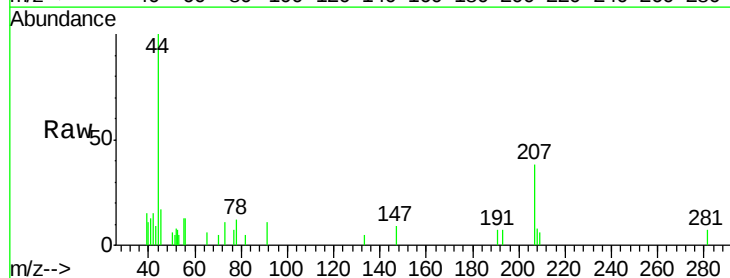
Instrument :
MSVOA_X
ClientSampled :

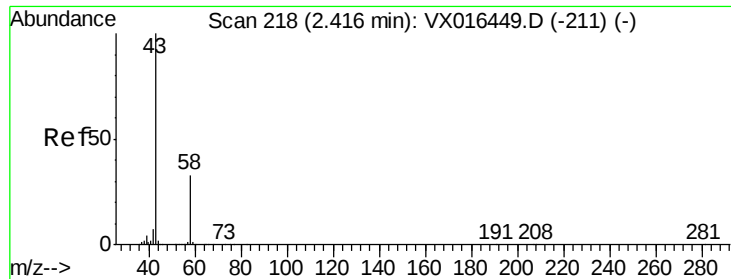
Tot Ion: 59 Resp: 523
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 1.017 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.01 min
Lab File: VX016738.D
Acq: 12 Jun 2020 18:57

Tgt Ion: 56 Resp: 302
Ion Ratio Lower Upper
56 100
55 88.1 58.3 87.5#

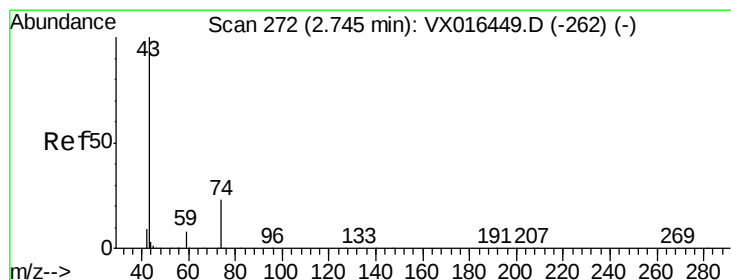
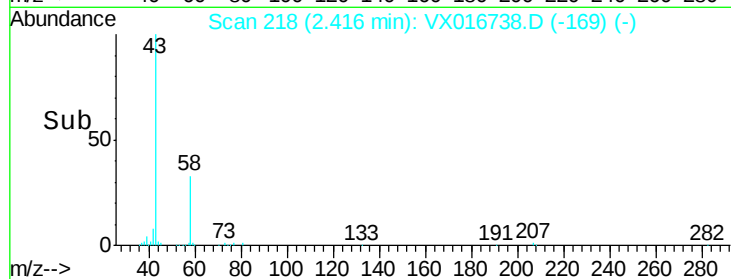
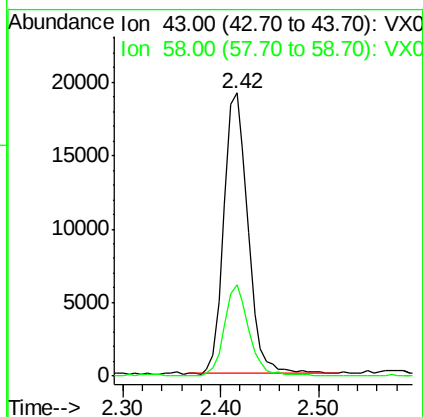
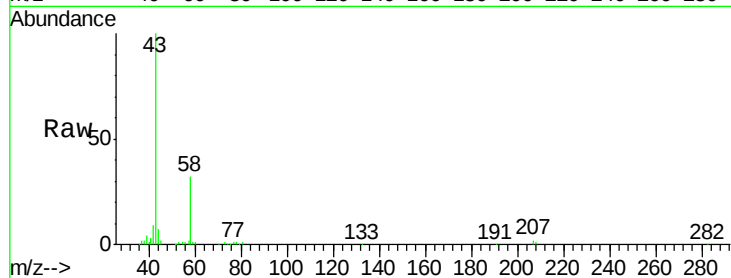




#16
Acetone
Concen: 27.373 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX016738.D
Acq: 12 Jun 2020 18:57

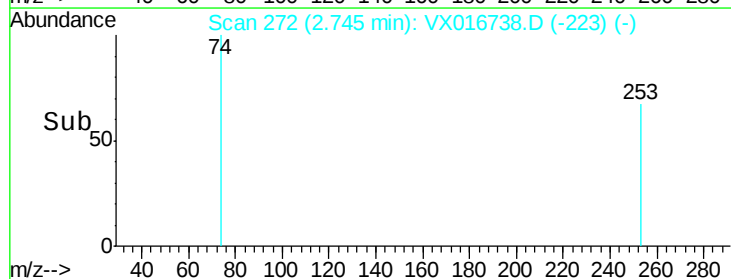
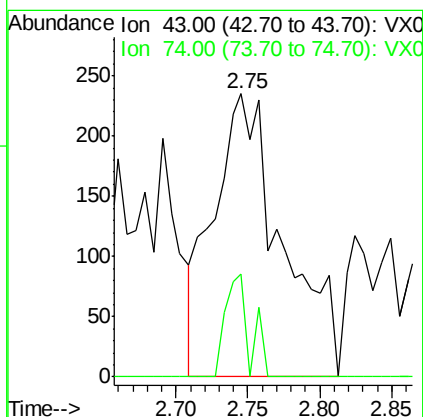
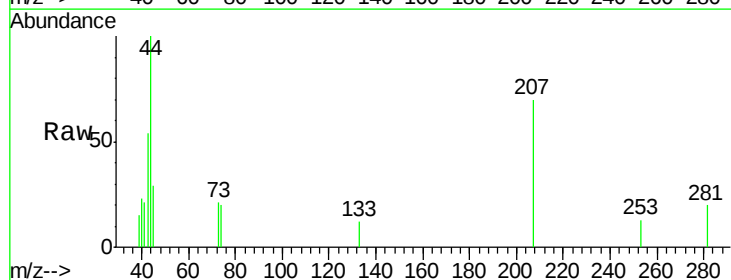
Instrument :
MSVOA_X
ClientSampleId :

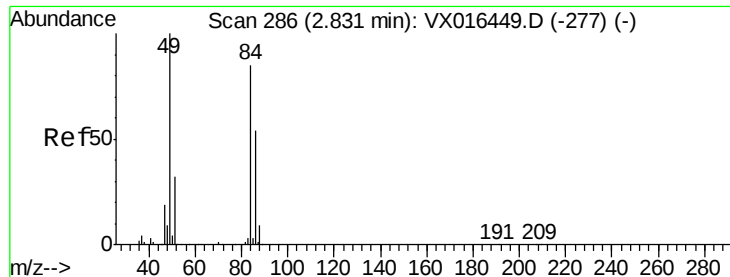
Tot Ion: 43 Resp: 32659
Ion Ratio Lower Upper
43 100
58 32.5 26.1 39.1



#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX016738.D
Acq: 12 Jun 2020 18:57

Tgt Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
74 12.9 19.7 29.5#

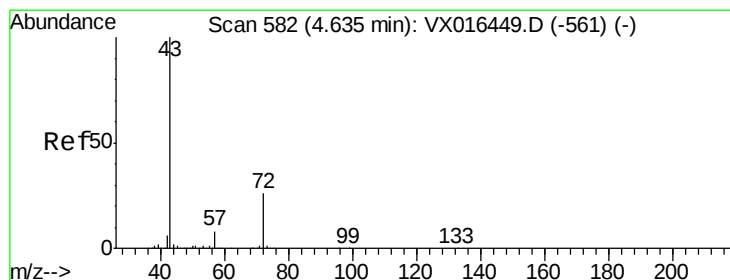
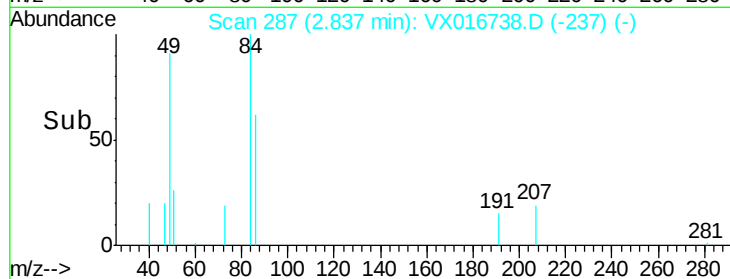
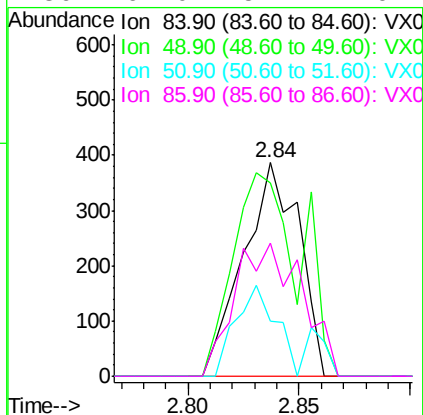
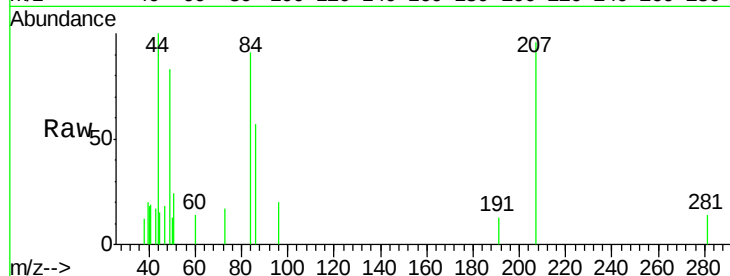




#20
Methvlene Chloride
Concen: 0.271 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016738.D
Acq: 12 Jun 2020 18:57

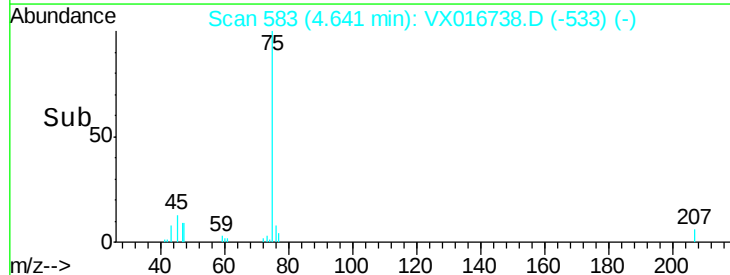
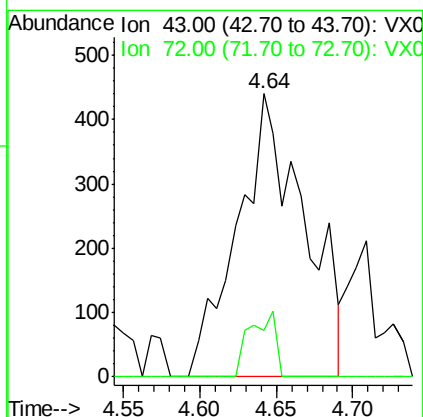
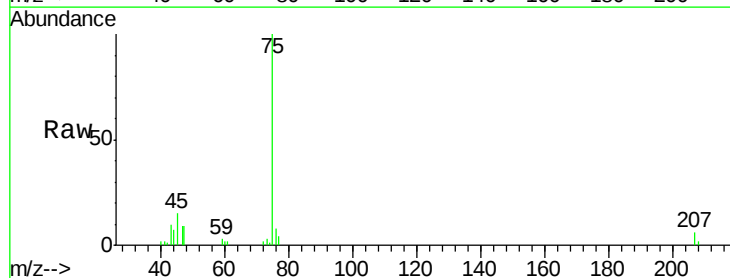
Instrument :
MSVOA_X
ClientSampleId :

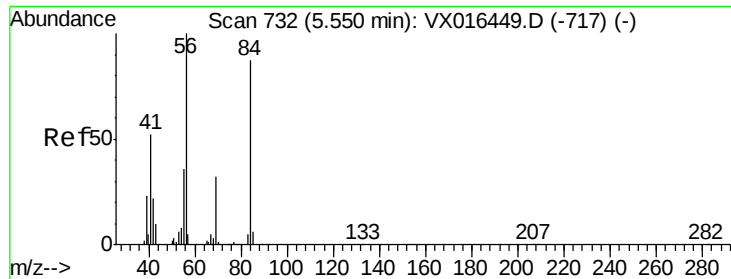
Tot Ion: 84 Resp: 668
Ion Ratio Lower Upper
84 100
49 90.7 94.5 141.7#
51 25.8 30.2 45.4#
86 62.0 51.1 76.7



#25
2-Butanone
Concen: 0.656 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016738.D
Acq: 12 Jun 2020 18:57

Tgt Ion: 43 Resp: 1326
Ion Ratio Lower Upper
43 100
72 16.6 21.0 31.6#





#31

Cyclohexane

Concen: 0.923 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016738.D

Acq: 12 Jun 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

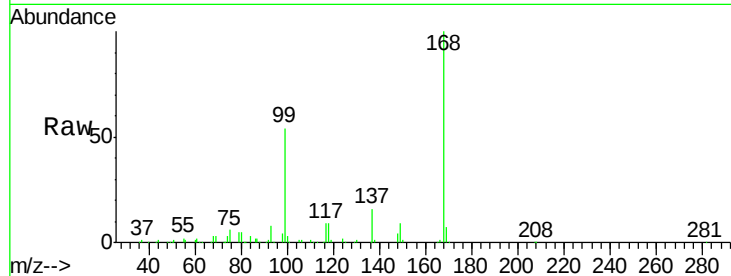
Tot Ion: 56 Resp: 3492

Ion Ratio Lower Upper

56 100

69 213.9 25.7 38.5#

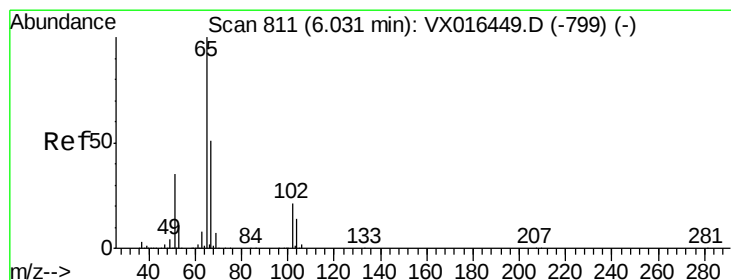
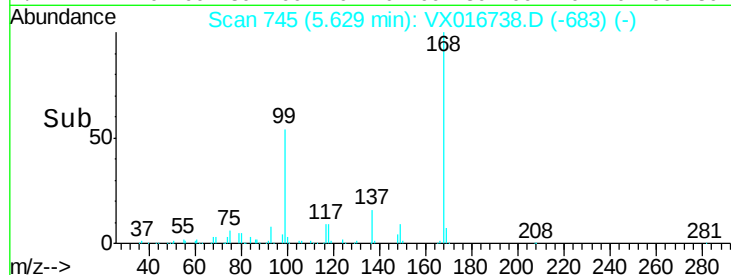
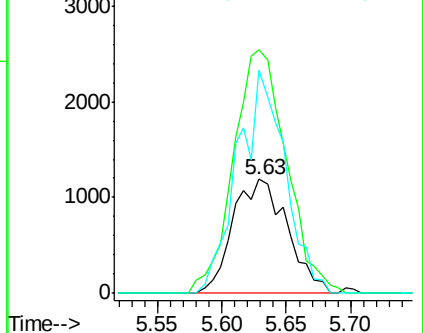
84 196.0 70.0 105.0#



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: 48.816 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016738.D

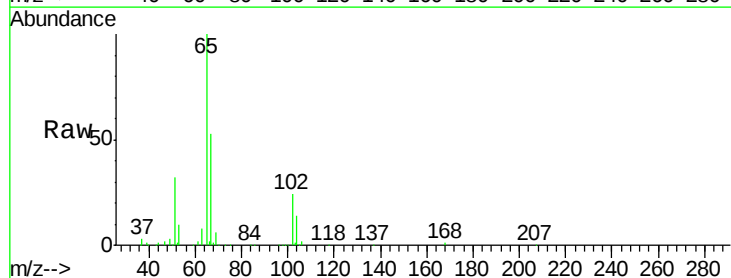
Acq: 12 Jun 2020 18:57

Tgt Ion: 65 Resp: 132939

Ion Ratio Lower Upper

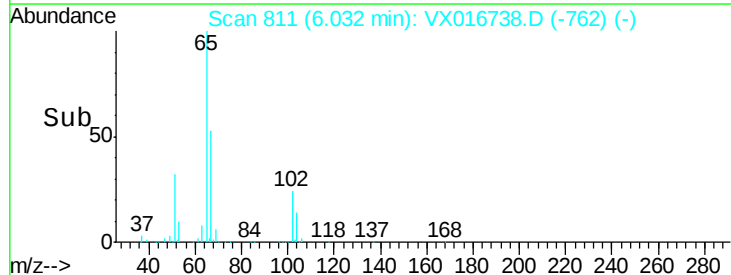
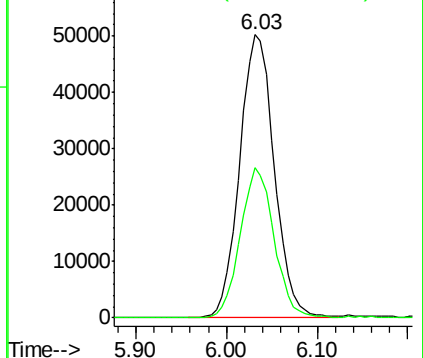
65 100

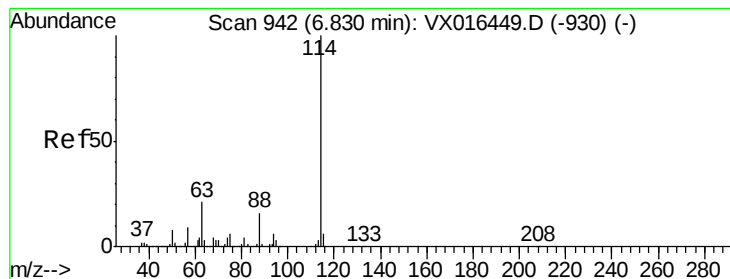
67 51.8 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016738.D

Acq: 12 Jun 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

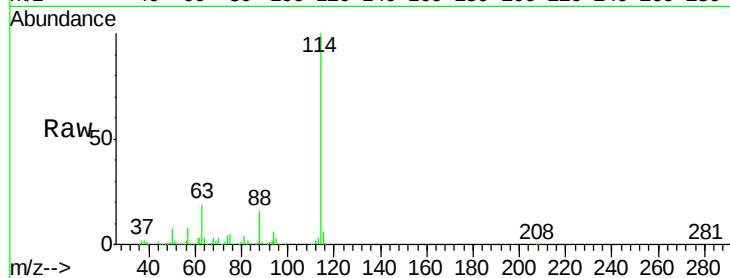
Tot Ion:114 Resp: 346992

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

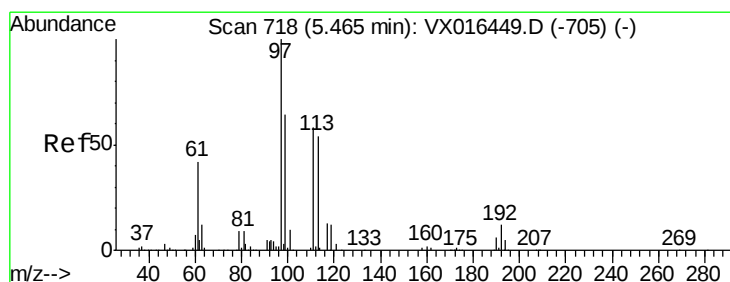
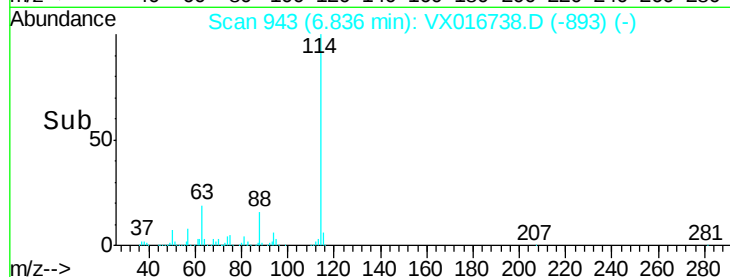
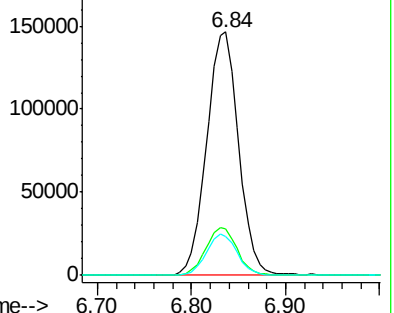
88 16.0 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 51.200 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016738.D

Acq: 12 Jun 2020 18:57

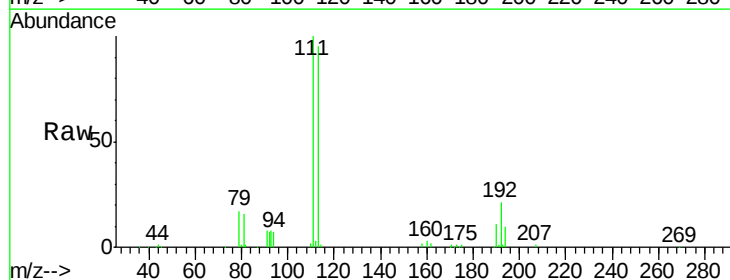
Tgt Ion:113 Resp: 109393

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.6

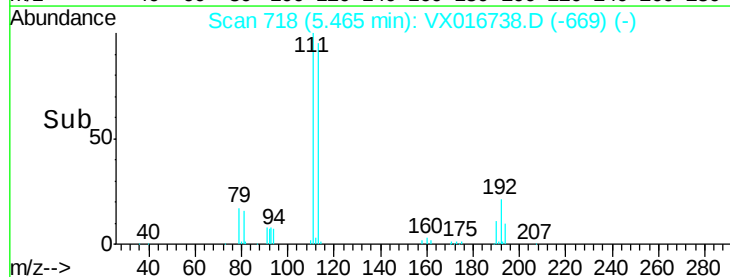
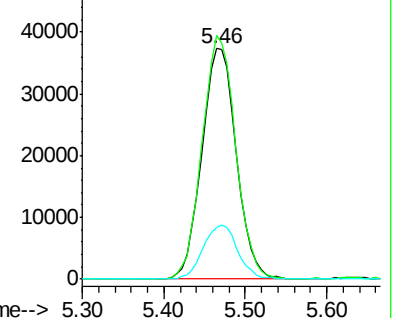
192 23.5 17.7 26.5

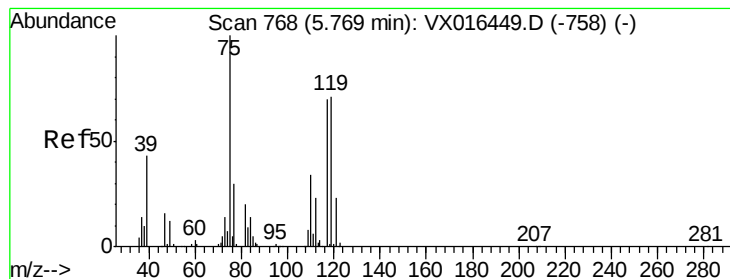


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.712 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016738.D

Acq: 12 Jun 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

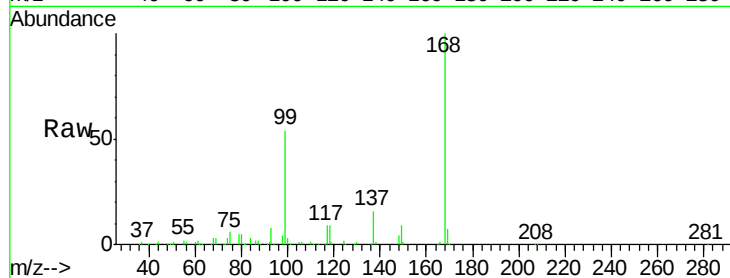
Tot Ion: 75 Resp: 15480

Ion Ratio Lower Upper

75 100

110 9.6 17.4 52.3#

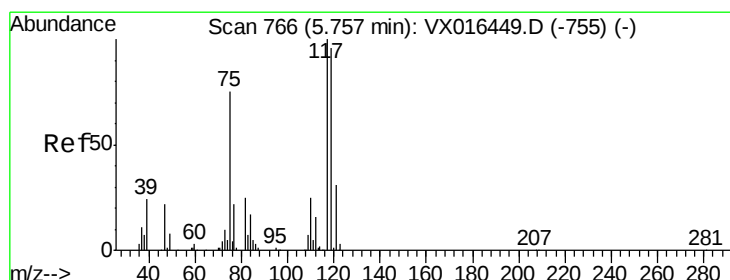
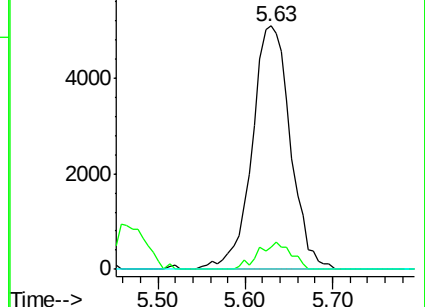
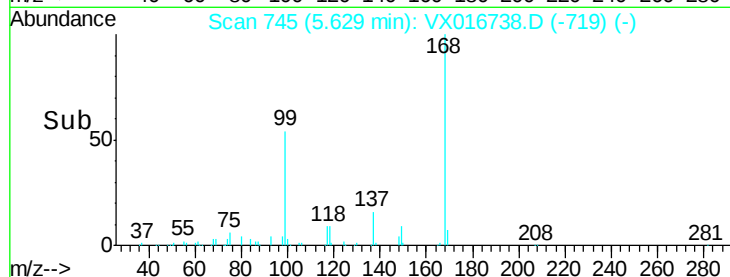
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX016738.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016738.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016738.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.988 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016738.D

Acq: 12 Jun 2020 18:57

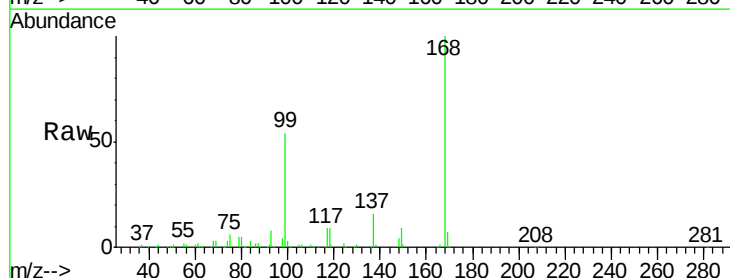
Tgt Ion: 117 Resp: 20675

Ion Ratio Lower Upper

117 100

119 7.7 76.3 114.5#

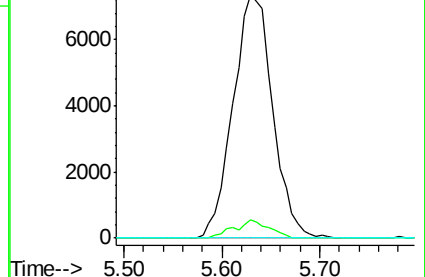
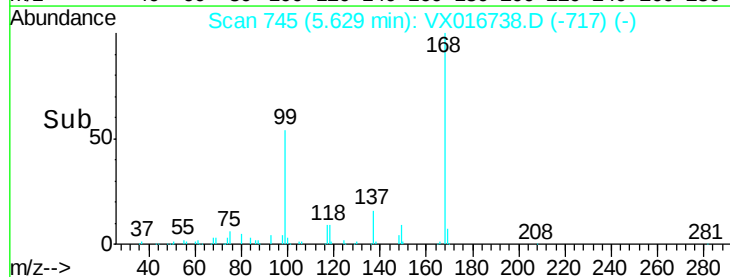
121 0.0 24.6 37.0#

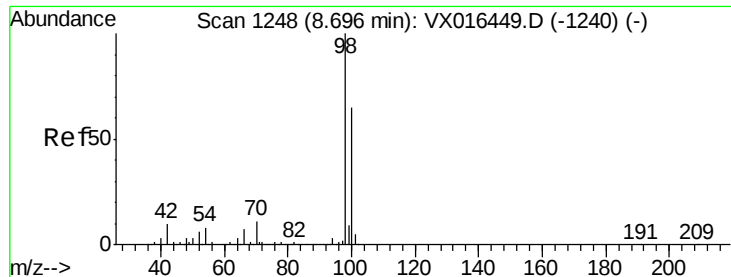


Abundance Ion 116.80 (116.50 to 117.50): VX016738.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016738.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016738.D (-717) (-)

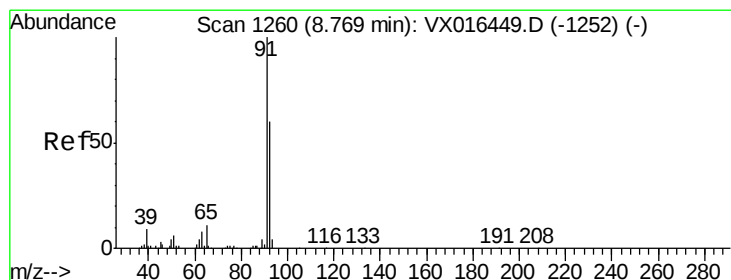
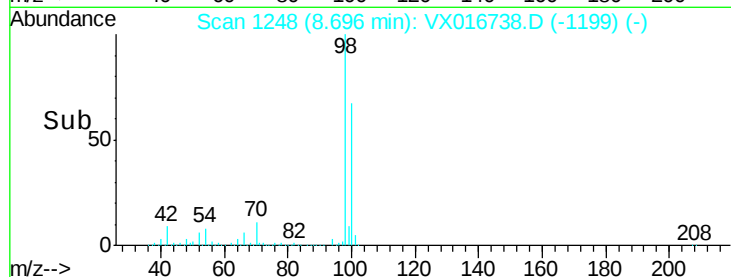
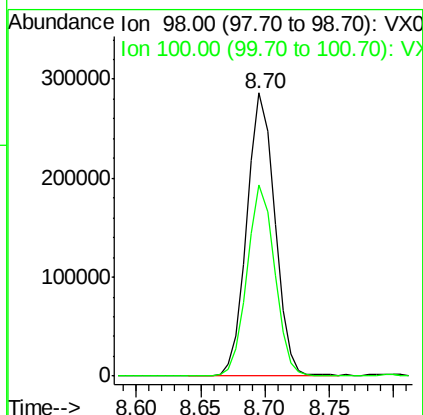
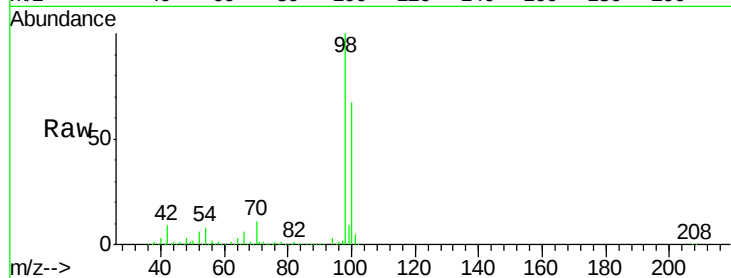




#50
Toluene-d8
Concen: 51.722 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016738.D
Acq: 12 Jun 2020 18:57

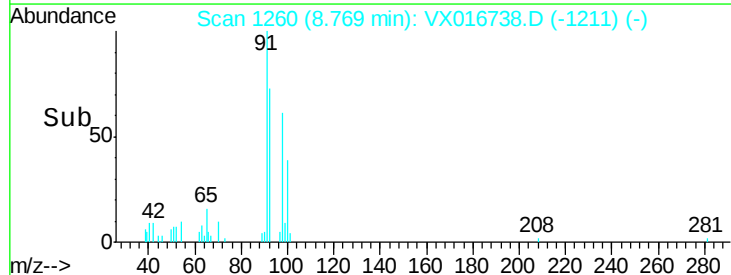
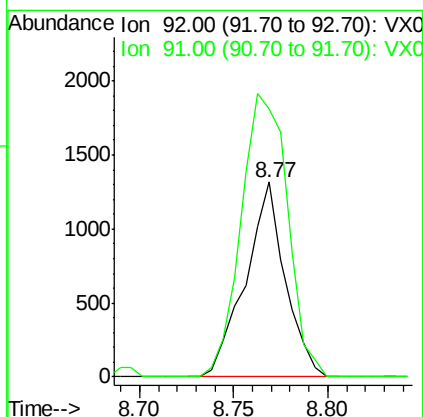
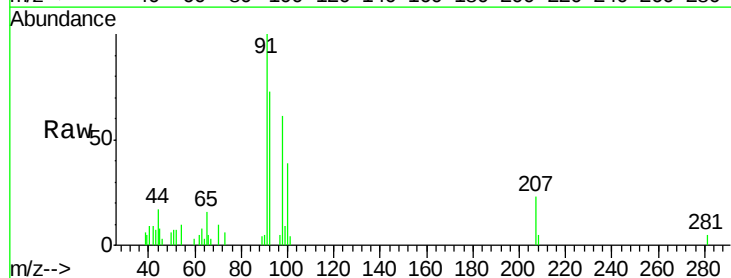
Instrument :
MSVOA_X
ClientSampleId :

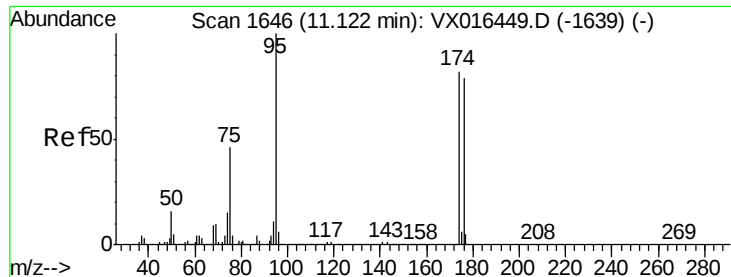
Tot Ion: 98 Resp: 430122
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.6



#52
Toluene
Concen: 0.312 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VX016738.D
Acq: 12 Jun 2020 18:57

Tgt Ion: 92 Resp: 1925
Ion Ratio Lower Upper
92 100
91 169.8 135.0 202.4





#62

4-Bromofluorobenzene

Concen: 54.470 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016738.D

Acq: 12 Jun 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

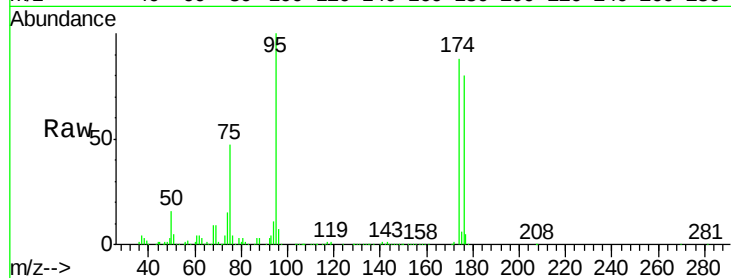
Tot Ion: 95 Resp: 175028

Ion Ratio Lower Upper

95 100

174 87.8 0.0 163.0

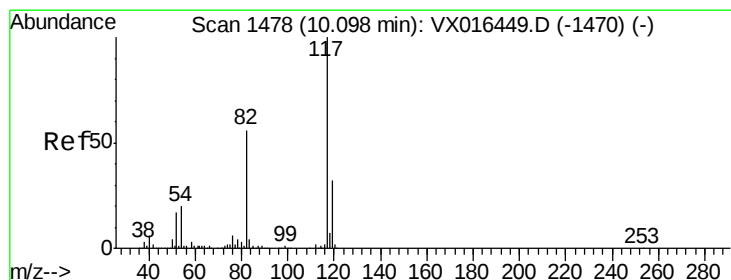
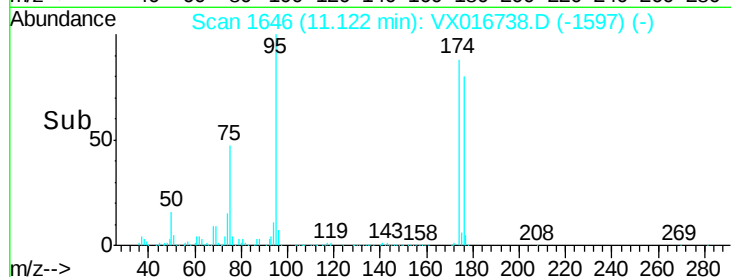
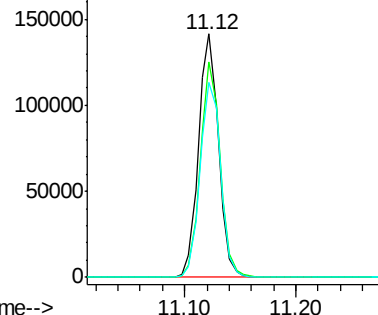
176 82.7 0.0 156.8



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: VX016738.D

Acq: 12 Jun 2020 18:57

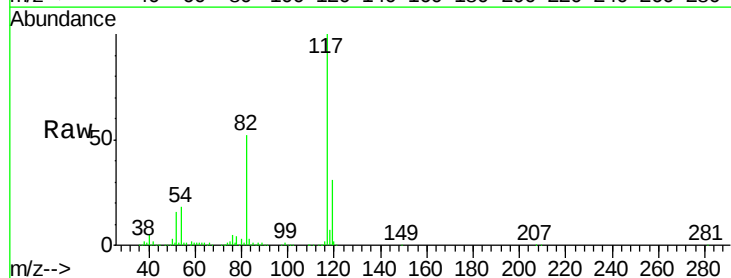
Tgt Ion: 117 Resp: 365947

Ion Ratio Lower Upper

117 100

82 52.0 45.0 67.6

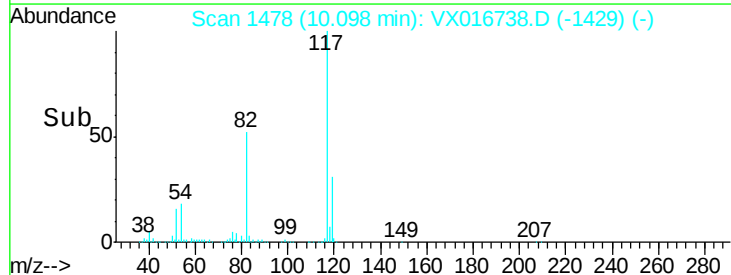
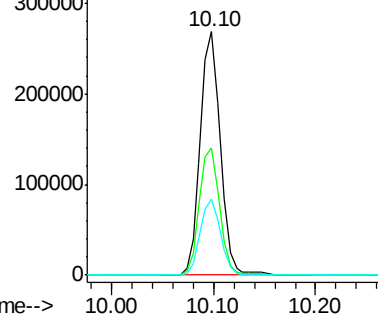
119 31.4 25.8 38.8

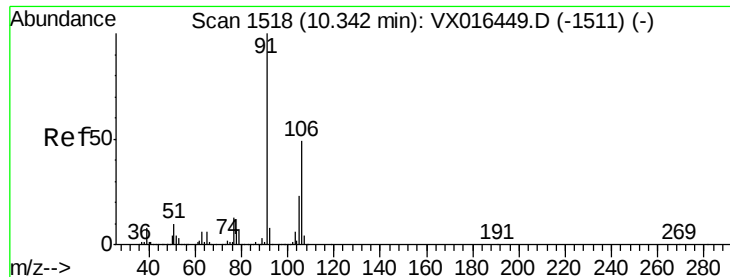


Abundance Ion 116.90 (116.60 to 117.60): VX016449.D (-1470) (-)

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

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

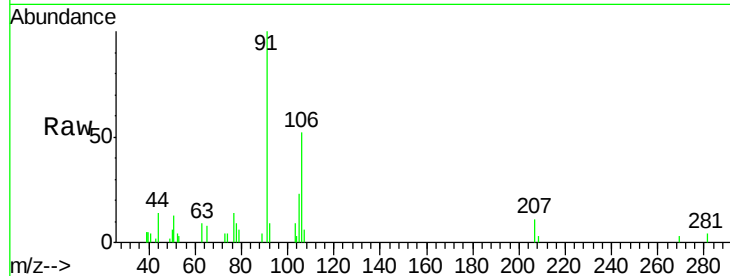




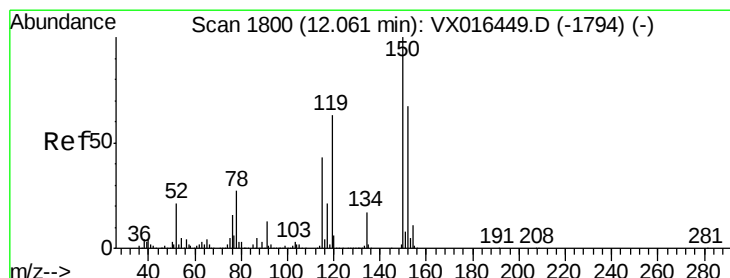
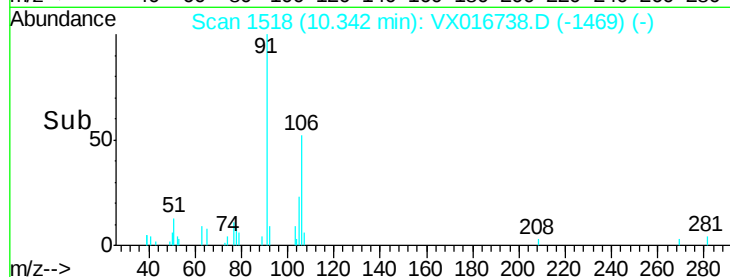
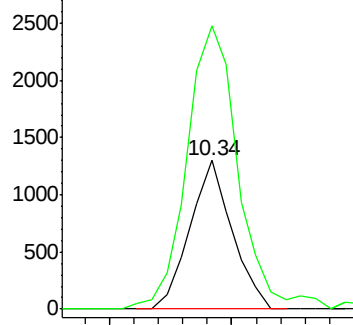
#68
m/p-Xvlenes
Concen: 0.318 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016738.D
Acq: 12 Jun 2020 18:57

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 1566
Ion Ratio Lower Upper
106 100
91 232.0 163.8 245.8

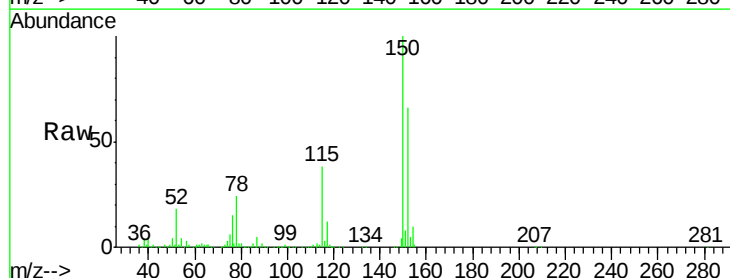


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

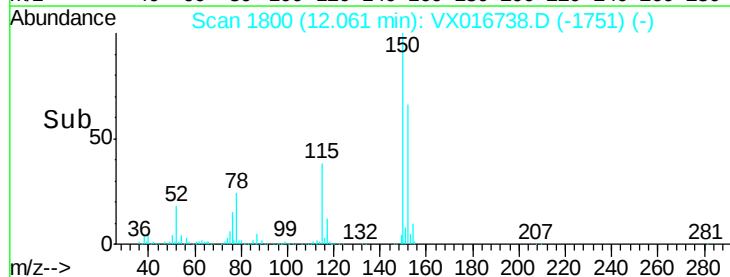
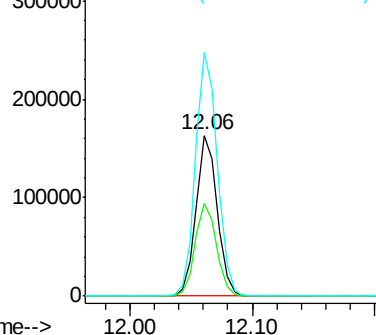


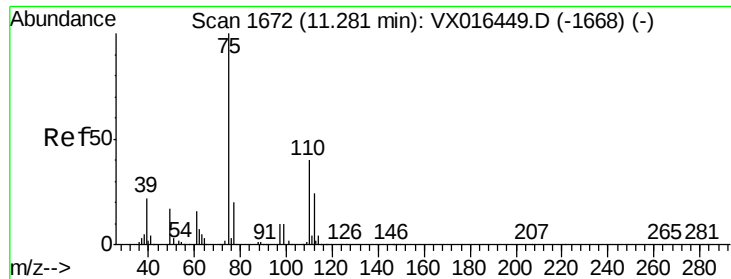
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016738.D
Acq: 12 Jun 2020 18:57

Tgt Ion:152 Resp: 193804
Ion Ratio Lower Upper
152 100
115 58.4 39.9 119.6
150 156.5 0.0 341.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 2.028 ug/l

RT: 11.32 min Scan# 1679

Delta R.T. 0.04 min

Lab File: VX016738.D

Acq: 12 Jun 2020 18:57

Instrument :

MSVOA_X

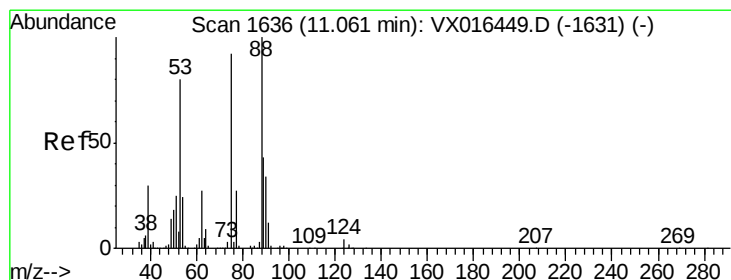
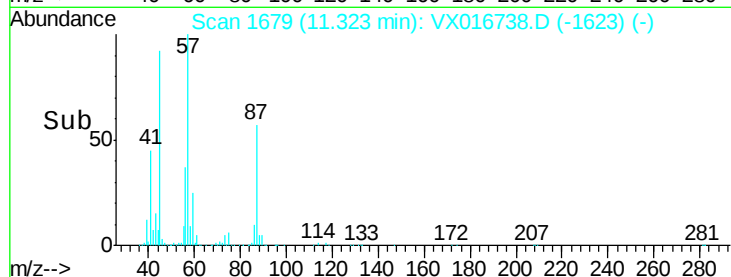
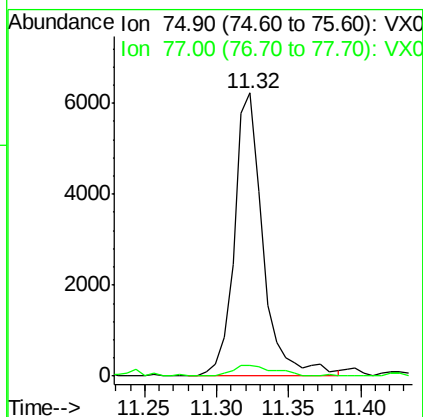
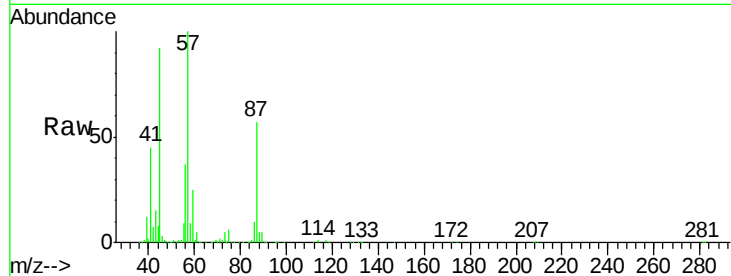
ClientSampleId :

Tot Ion: 75 Resp: 8640

Ion Ratio Lower Upper

75 100

77 5.5 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 48.311 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016738.D

Acq: 12 Jun 2020 18:57

Tgt Ion: 75 Resp: 83664

Ion Ratio Lower Upper

75 100

53 0.2 71.3 106.9#

89 0.0 36.6 55.0#

