

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019293.D
 Acq On : 05 Nov 2020 00:32
 Operator : JC/MD
 Sample : L4607-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 05 02:30:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	291166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	509144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	493112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	251308	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	207450	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	
35) Dibromofluoromethane	5.46	113	163672	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	8.70	98	643393	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
62) 4-Bromofluorobenzene	11.12	95	244311	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	

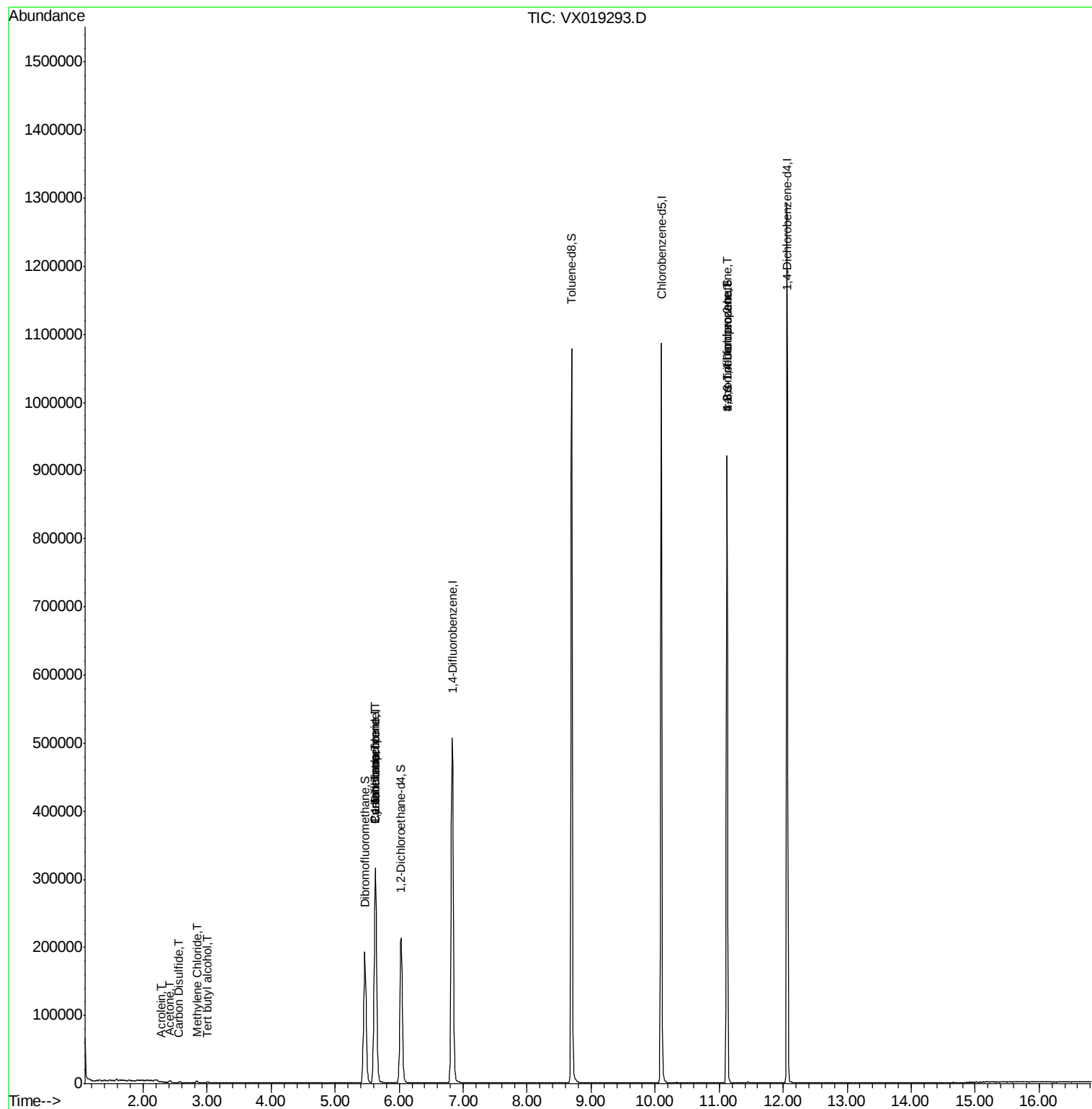
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	1750	2.360	ug/l	96
13) Acrolein	2.29	56	19	5.704	ug/l #	55
16) Acetone	2.42	43	3100	2.393	ug/l #	88
17) Carbon Disulfide	2.55	76	560	0.828	ug/l #	82
20) Methylene Chloride	2.83	84	1156	0.355	ug/l	90
31) Cyclohexane	5.63	56	6745	1.421	ug/l #	6
36) 1,1-Dichloropropene	5.63	75	24292	5.167	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30034	6.267	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	127617	24.594	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	127617	64.755	ug/l #	12

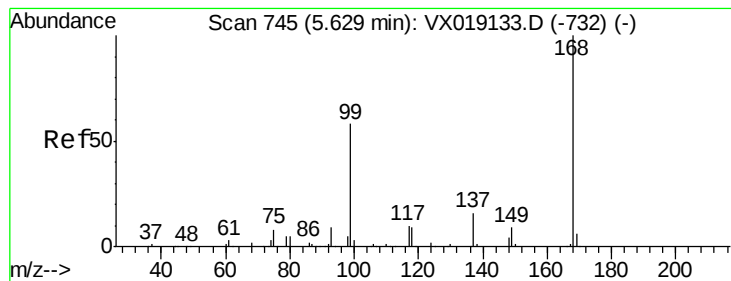
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 27 13:55:07 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: VX019293.D

Acq: 05 Nov 2020 00:32

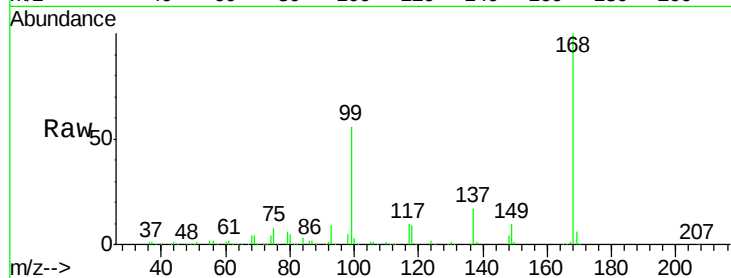
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 291166

Ion Ratio Lower Upper

168 100

99 56.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

60000

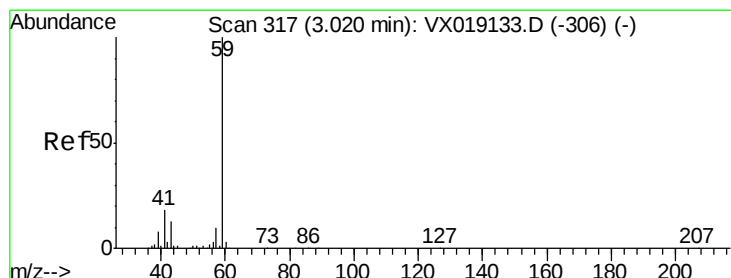
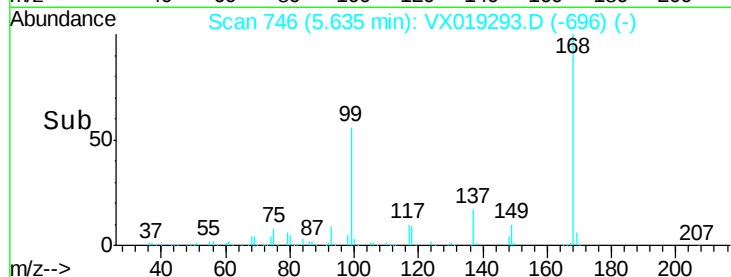
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 2.360 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX019293.D

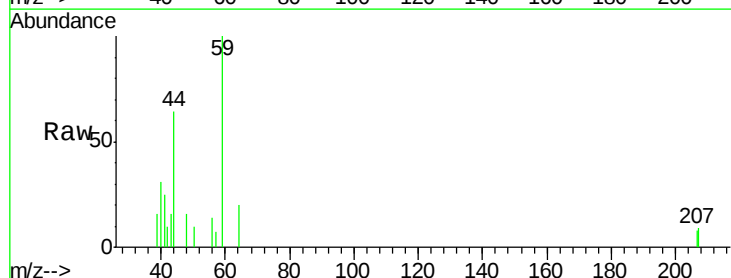
Acq: 05 Nov 2020 00:32

Tgt Ion: 59 Resp: 1750

Ion Ratio Lower Upper

59 100

57 8.9 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

800

600

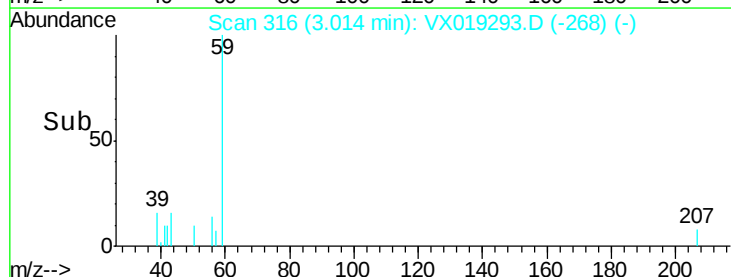
400

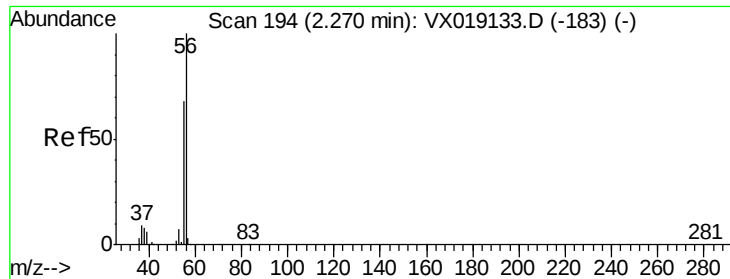
200

0

Time-->

2.95 3.00 3.05





#13

Acrolein

Concen: 5.704 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX019293.D

Acq: 05 Nov 2020 00:32

Instrument :

MSVOA_X

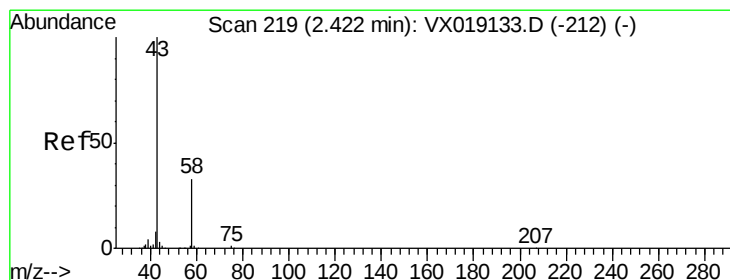
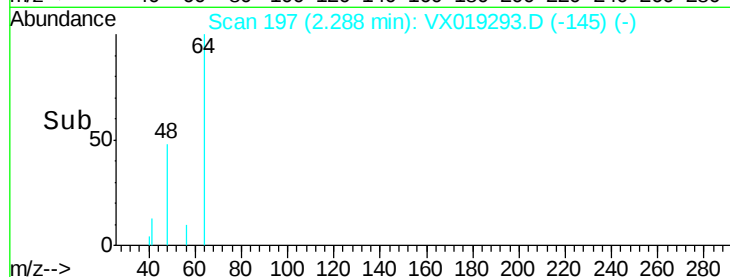
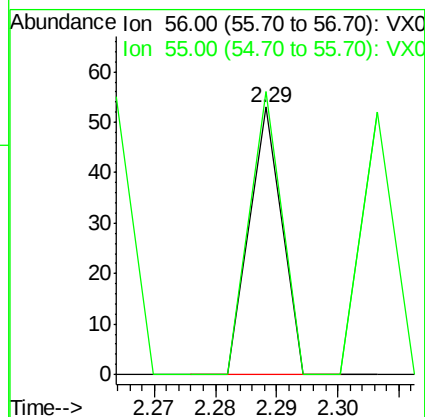
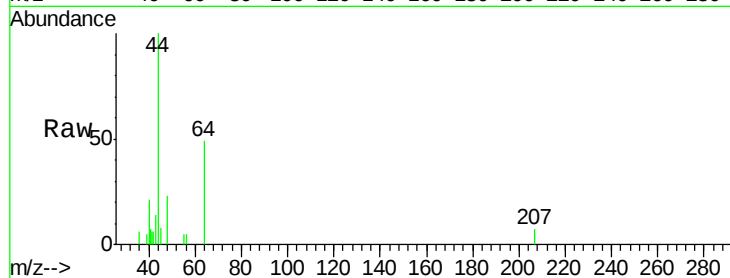
ClientSampled :

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 105.3 54.7 82.1#



#16

Acetone

Concen: 2.393 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019293.D

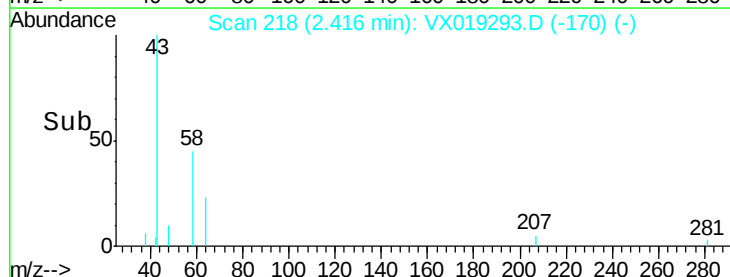
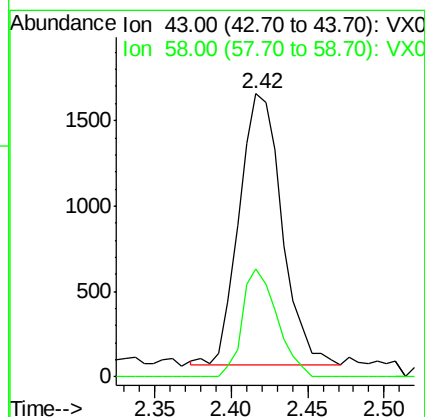
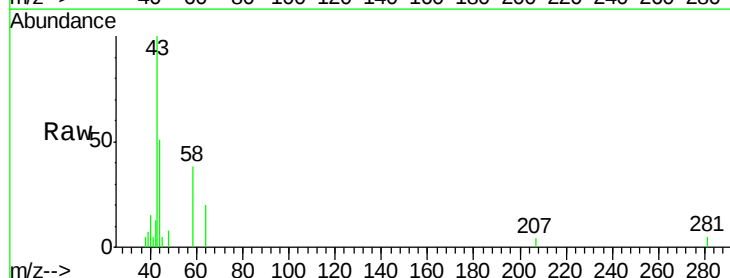
Acq: 05 Nov 2020 00:32

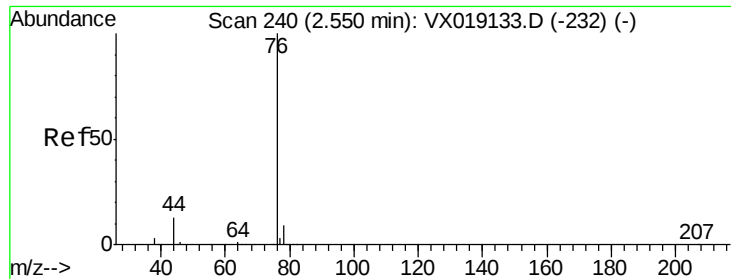
Tgt Ion: 43 Resp: 3100

Ion Ratio Lower Upper

43 100

58 39.9 26.3 39.5#

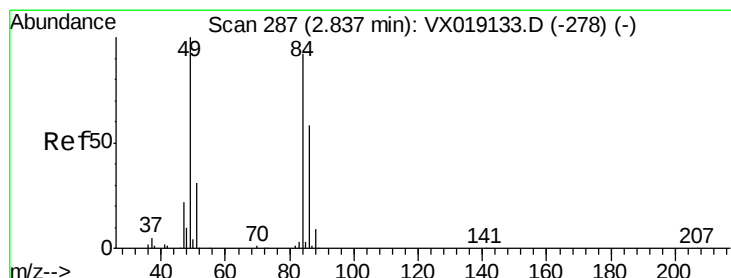
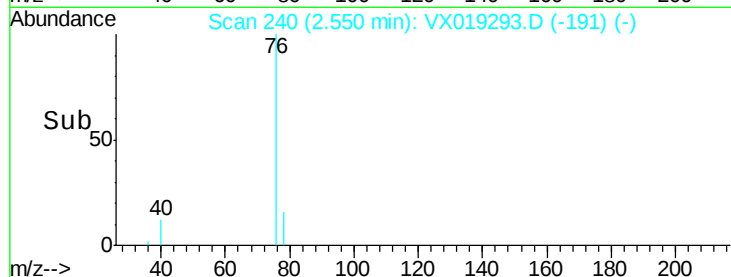
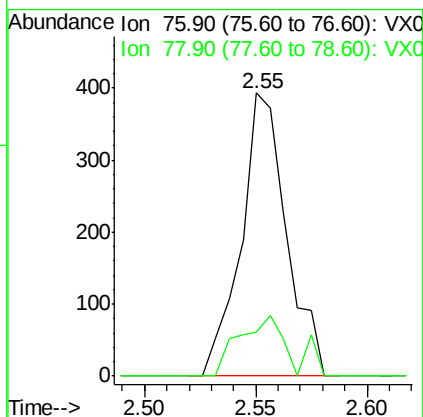
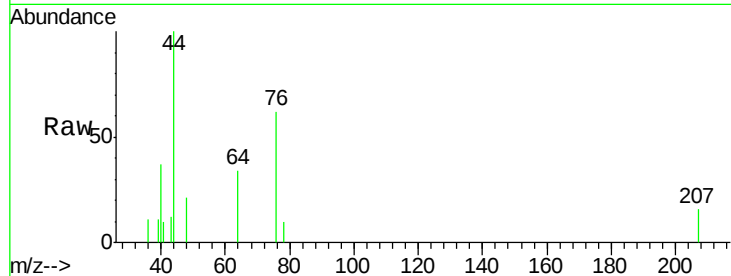




#17
Carbon Disulfide
Concen: 0.828 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019293.D
Acq: 05 Nov 2020 00:32

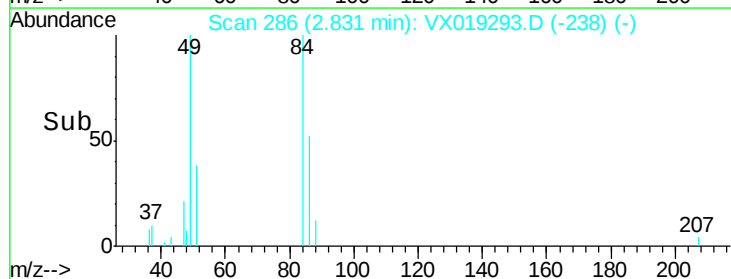
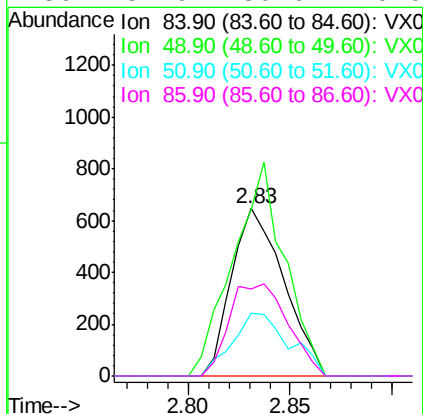
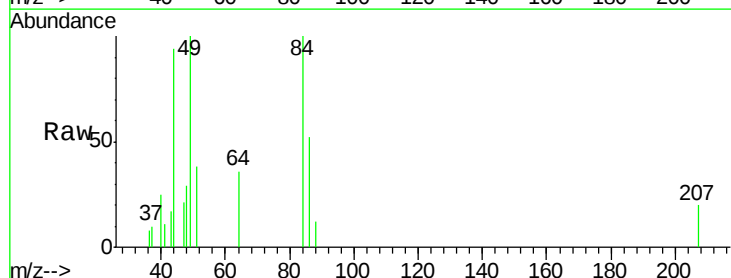
Instrument :
MSVOA_X
ClientSampleId :

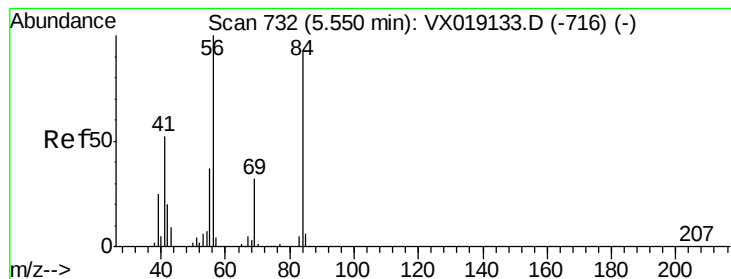
Tot Ion: 76 Resp: 560
Ion Ratio Lower Upper
76 100
78 15.5 7.3 10.9#



#20
Methylene Chloride
Concen: 0.355 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019293.D
Acq: 05 Nov 2020 00:32

Tgt Ion: 84 Resp: 1156
Ion Ratio Lower Upper
84 100
49 99.8 86.8 130.2
51 37.6 27.3 40.9
86 51.9 50.6 76.0





#31

Cvclohexane

Concen: 1.421 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019293.D

Acq: 05 Nov 2020 00:32

Instrument :

MSVOA_X

ClientSampled :

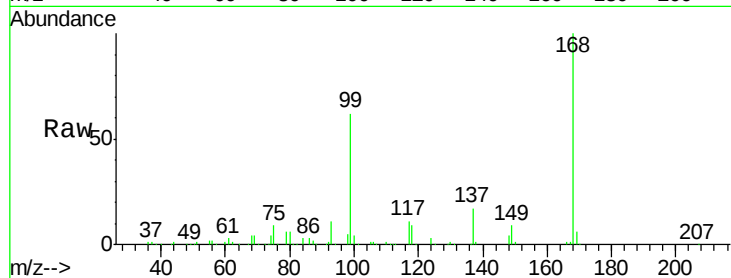
Tot Ion: 56 Resp: 6745

Ion Ratio Lower Upper

56 100

69 178.3 25.9 38.9#

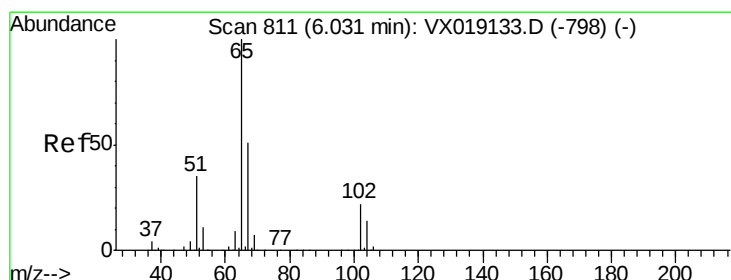
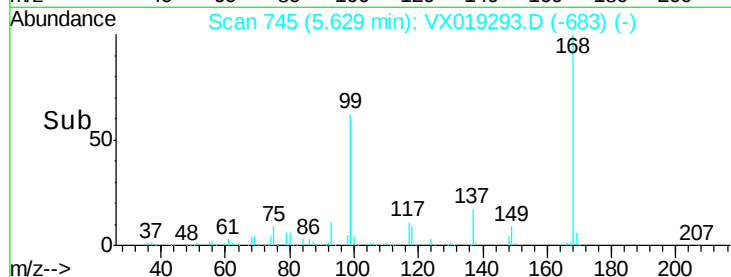
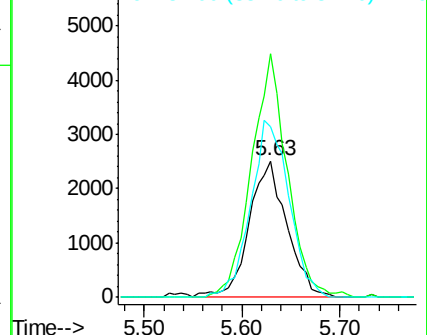
84 124.9 73.4 110.2#



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: 55.247 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019293.D

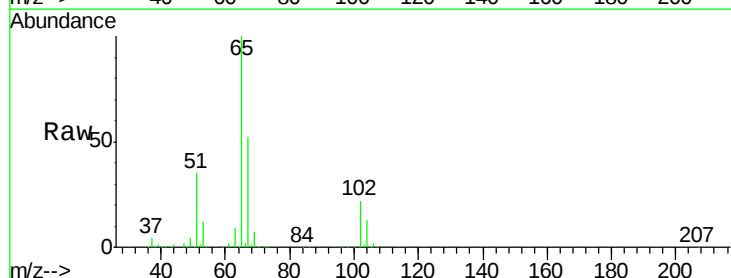
Acq: 05 Nov 2020 00:32

Tgt Ion: 65 Resp: 207450

Ion Ratio Lower Upper

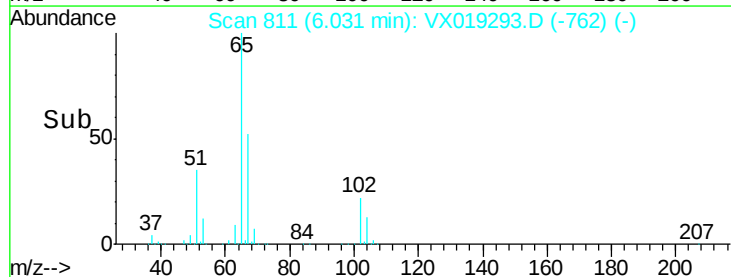
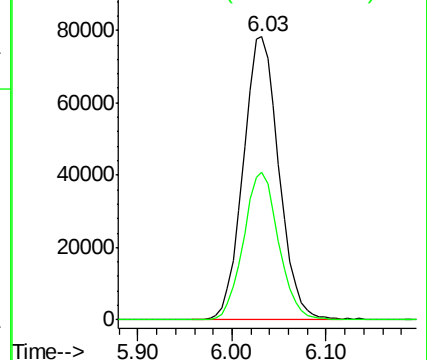
65 100

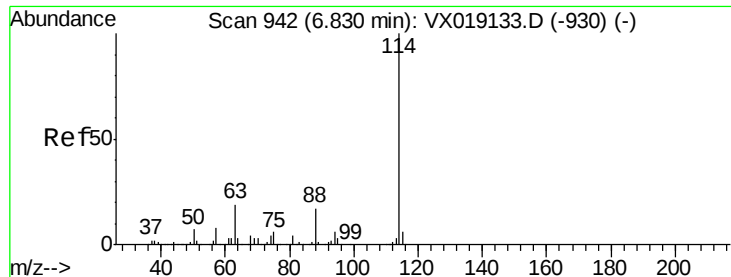
67 51.5 0.0 103.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019293.D

Acq: 05 Nov 2020 00:32

Instrument :

MSVOA_X

ClientSampled :

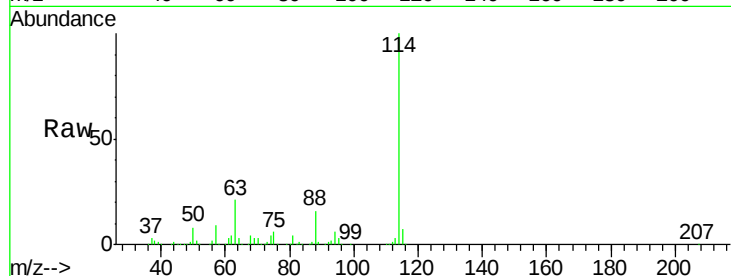
Tot Ion:114 Resp: 509144

Ion Ratio Lower Upper

114 100

63 21.2 0.0 38.8

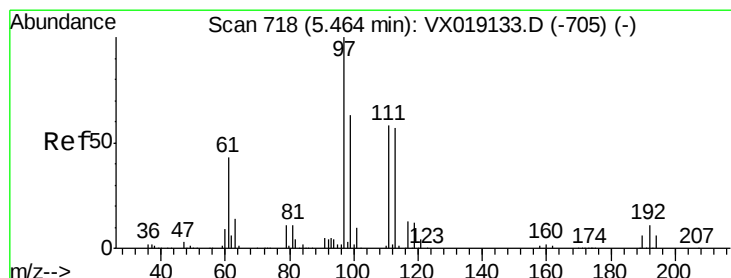
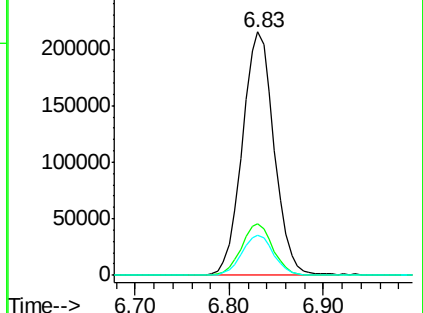
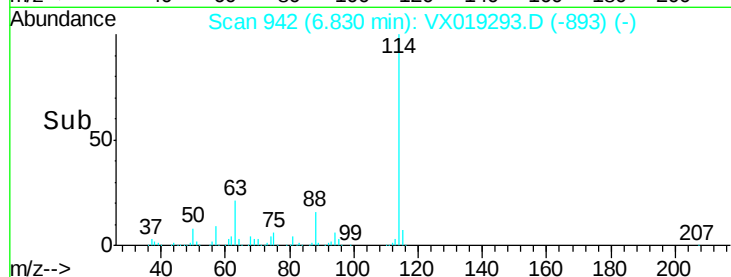
88 16.3 0.0 34.2



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: 51.178 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019293.D

Acq: 05 Nov 2020 00:32

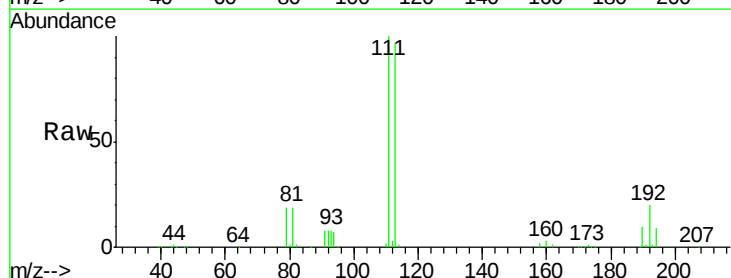
Tgt Ion:113 Resp: 163672

Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

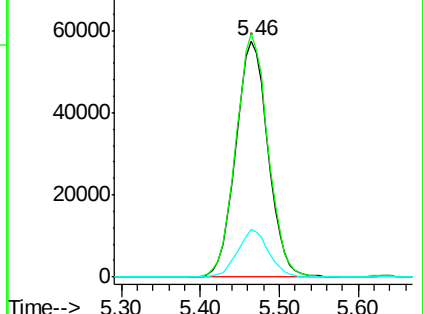
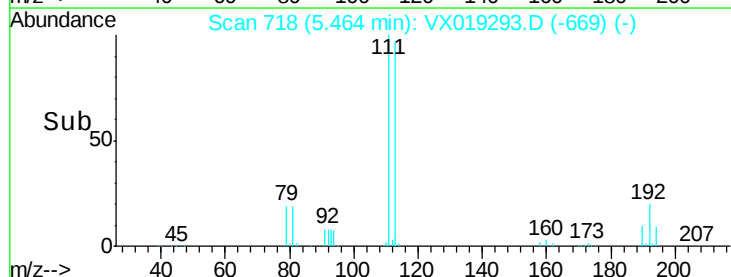
192 19.3 16.2 24.2

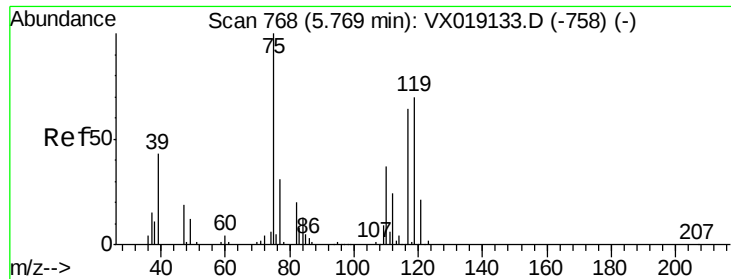


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.167 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019293.D

Acq: 05 Nov 2020 00:32

Instrument :
MSVOA_X
ClientSampleId :

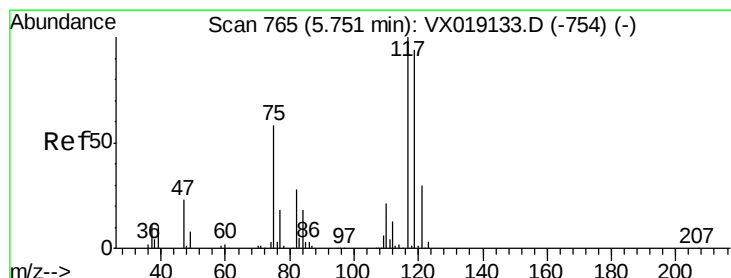
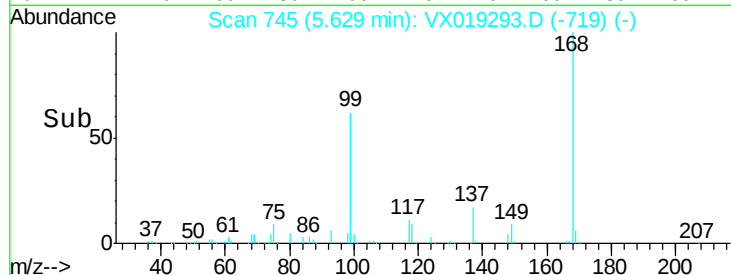
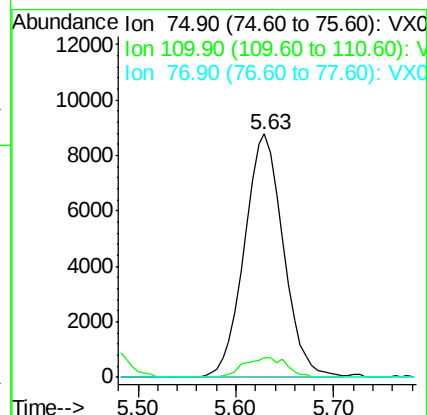
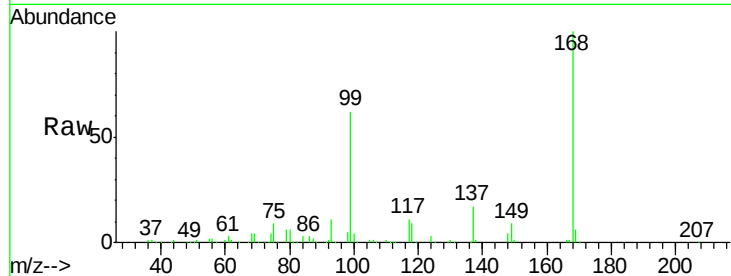
Tot Ion: 75 Resp: 24292

Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.267 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019293.D

Acq: 05 Nov 2020 00:32

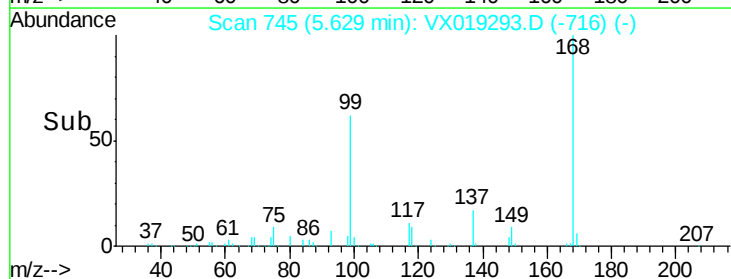
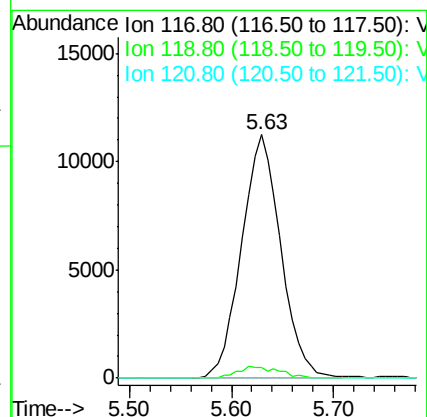
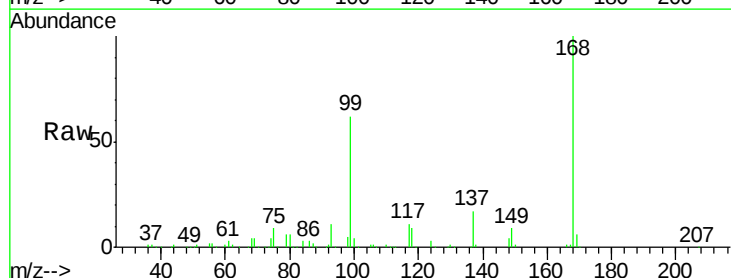
Tgt Ion: 117 Resp: 30034

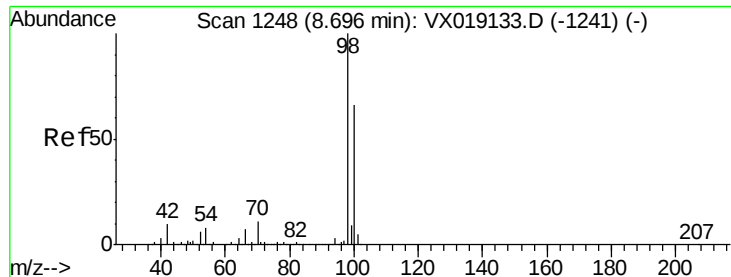
Ion Ratio Lower Upper

117 100

119 4.3 75.0 112.6#

121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 53.368 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019293.D

Acq: 05 Nov 2020 00:32

Instrument :

MSVOA_X

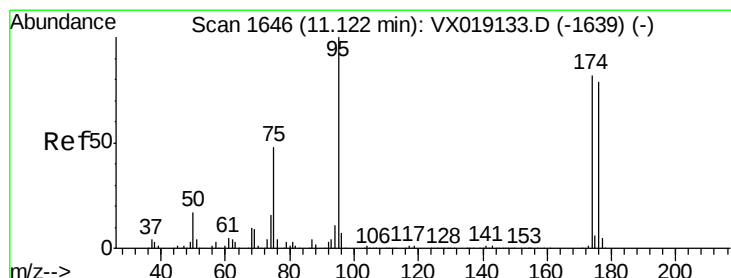
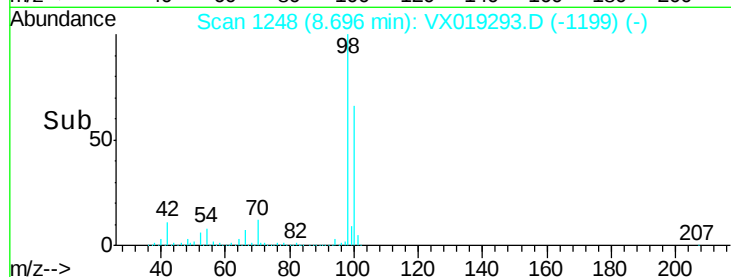
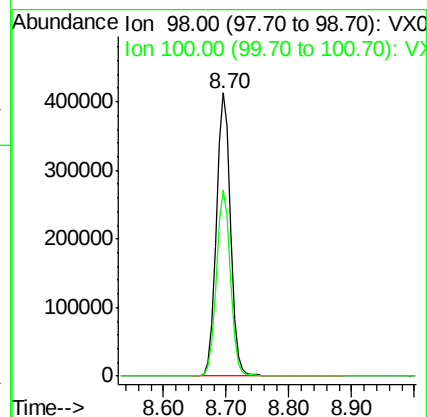
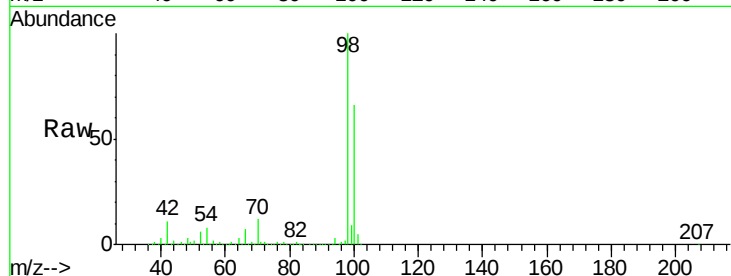
ClientSampleId :

Tot Ion: 98 Resp: 643393

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 53.511 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019293.D

Acq: 05 Nov 2020 00:32

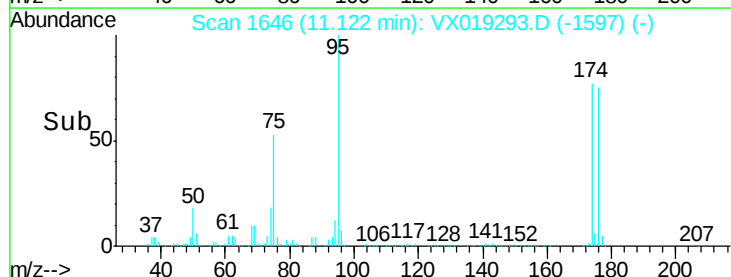
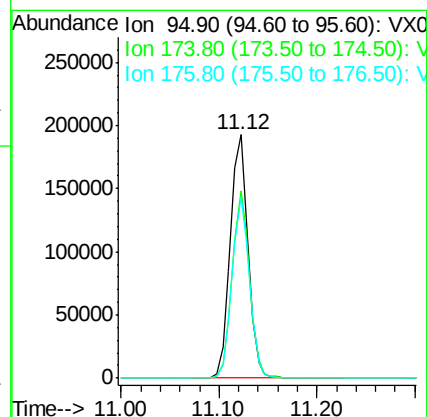
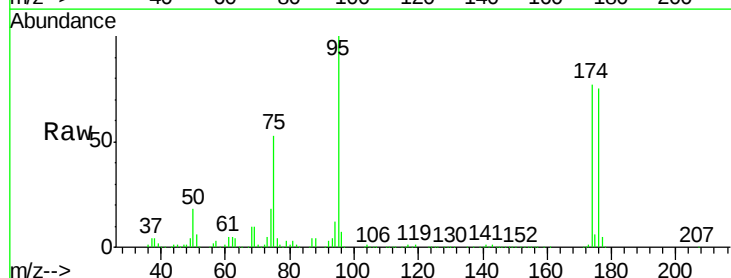
Tgt Ion: 95 Resp: 244311

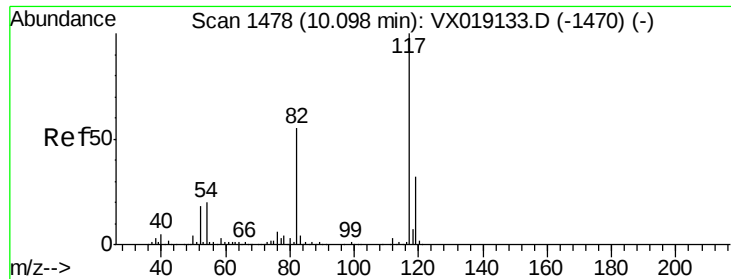
Ion Ratio Lower Upper

95 100

174 74.8 0.0 156.0

176 73.1 0.0 149.8

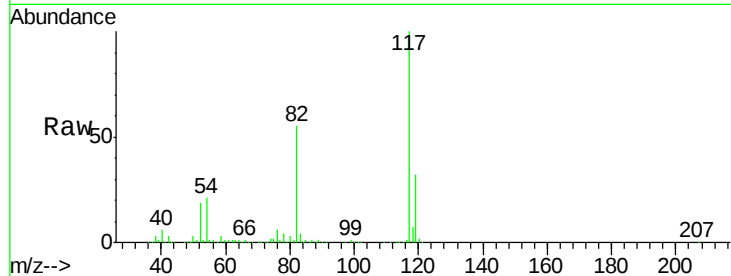




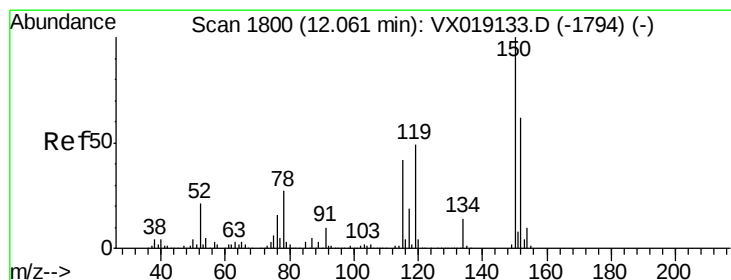
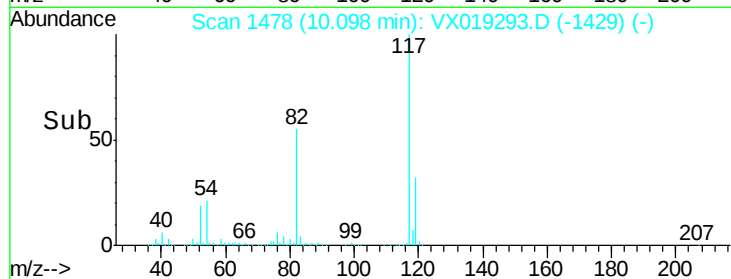
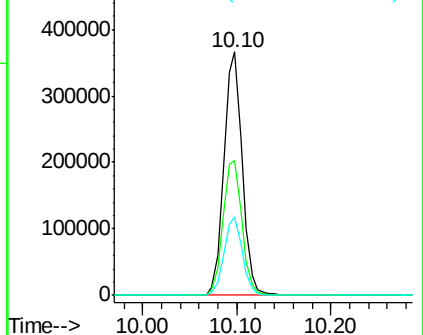
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019293.D
Acq: 05 Nov 2020 00:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.6	65.4
119	32.3	25.5	38.3

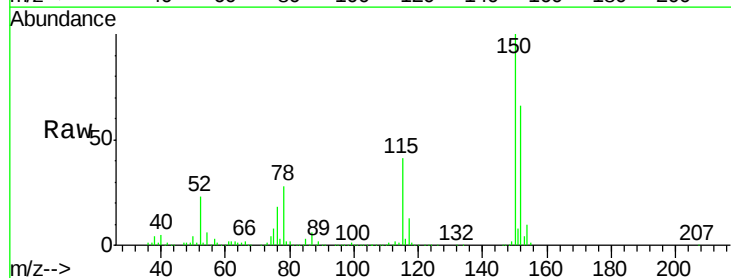


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

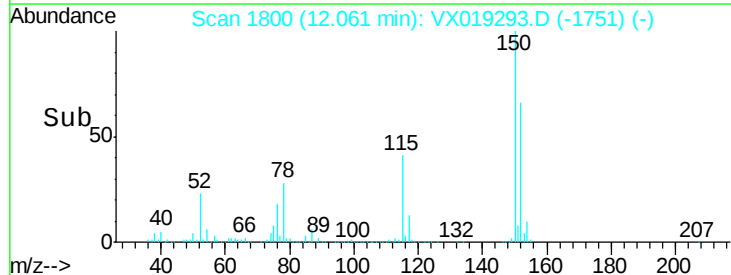
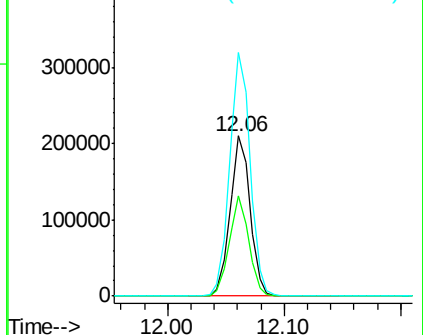


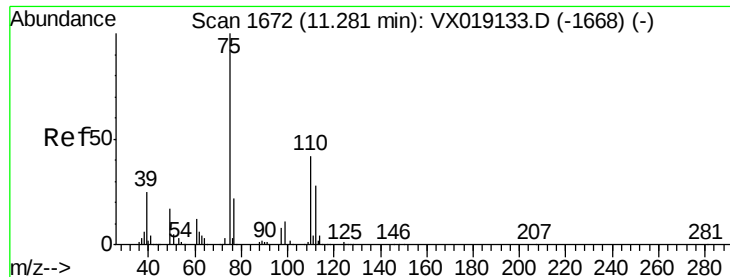
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019293.D
Acq: 05 Nov 2020 00:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	41.9	125.7
150	155.3	0.0	347.8



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: 24.594 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019293.D

Acq: 05 Nov 2020 00:32

Instrument :

MSVOA_X

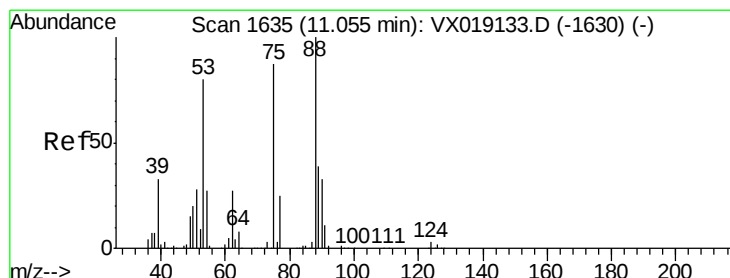
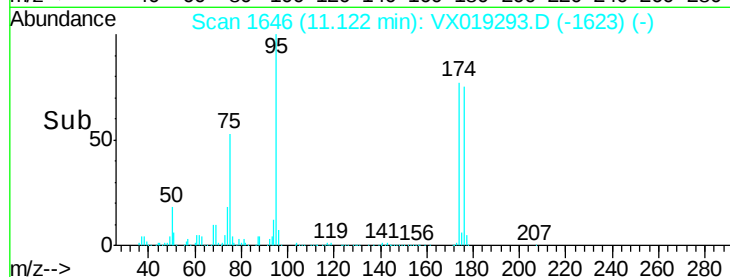
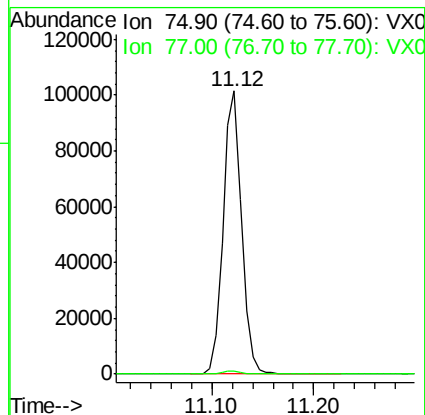
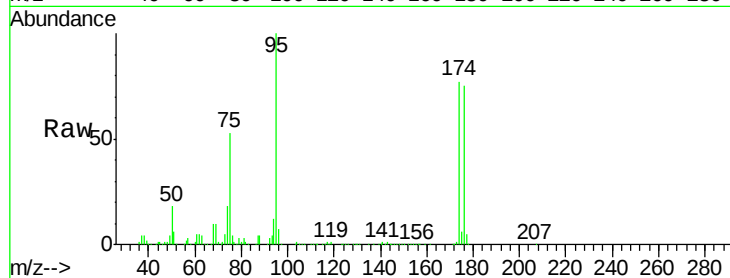
ClientSampled :

Tot Ion: 75 Resp: 127617

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.755 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019293.D

Acq: 05 Nov 2020 00:32

Tgt Ion: 75 Resp: 127617

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

