

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019291.D
 Acq On : 04 Nov 2020 23:48
 Operator : JC/MD
 Sample : L4607-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 05 02:29:56 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	283715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	508301	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	485637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	244938	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	202155	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	
35) Dibromofluoromethane	5.46	113	160007	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	8.70	98	632610	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	11.12	95	240321	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	

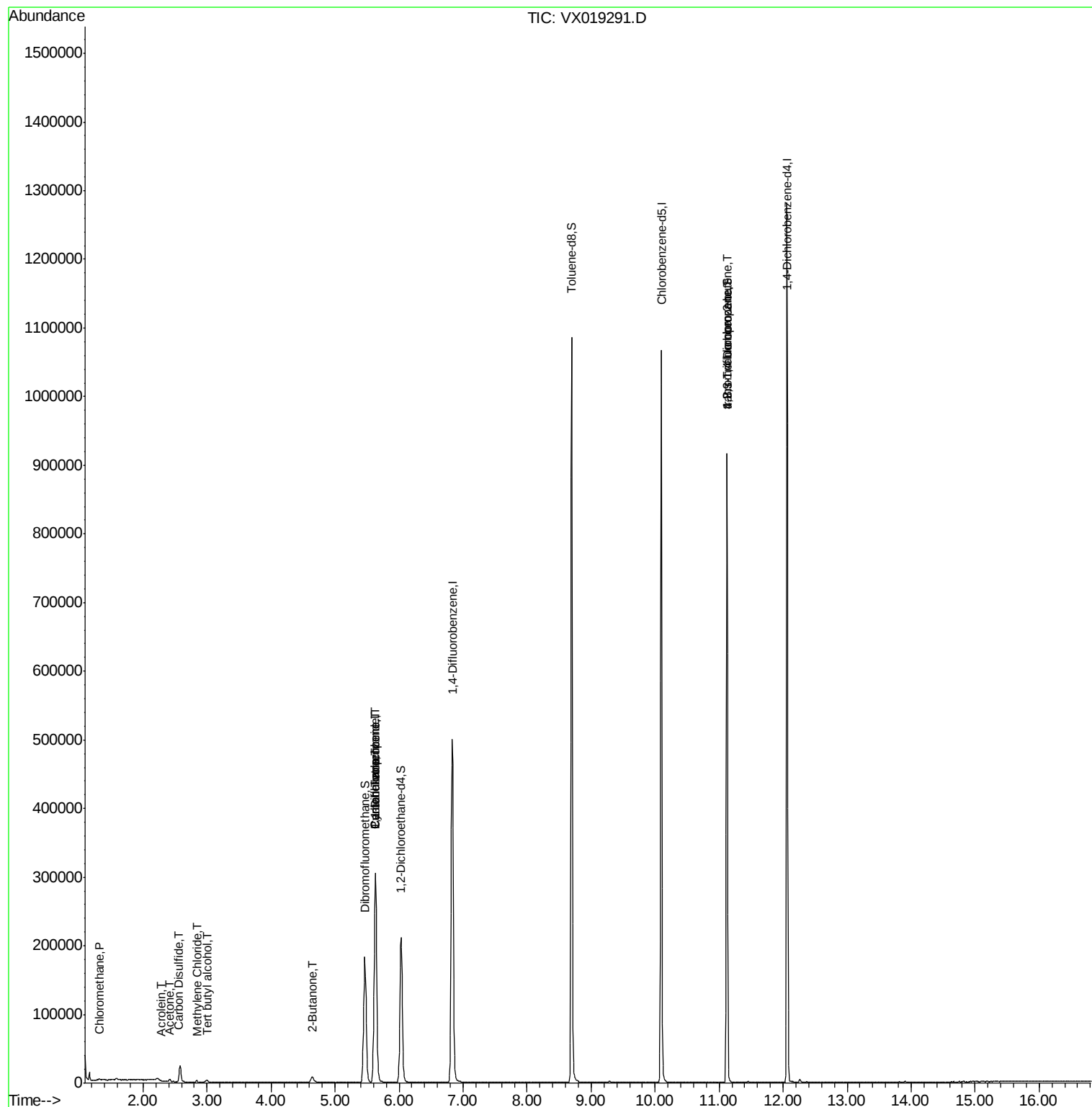
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	718	0.272	ug/l	95
11) Tert butyl alcohol	3.00	59	2427	3.358	ug/l #	74
13) Acrolein	2.28	56	20	5.708	ug/l #	1
16) Acetone	2.42	43	3712	2.941	ug/l	93
17) Carbon Disulfide	2.56	76	651	0.842	ug/l #	77
20) Methylene Chloride	2.83	84	867	0.274	ug/l	92
25) 2-Butanone	4.64	43	1086	0.546	ug/l #	44
31) Cyclohexane	5.63	56	6163	1.333	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23210	4.945	ug/l #	49
38) Carbon Tetrachloride	5.63	117	29931	6.256	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	123926	24.504	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	123926	64.518	ug/l #	12

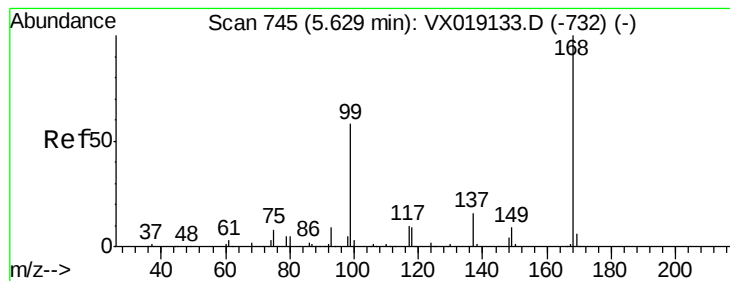
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019291.D

Acq: 04 Nov 2020 23:48

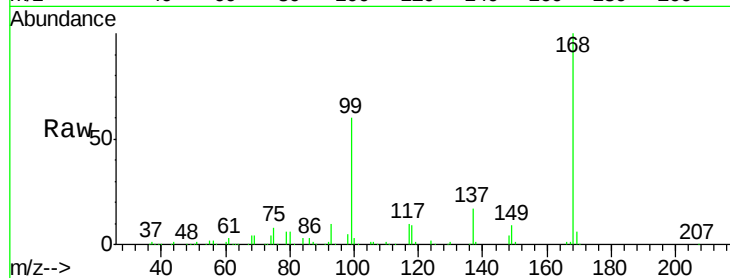
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 283715

Ion Ratio Lower Upper

168 100

99 59.8 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

100000

80000

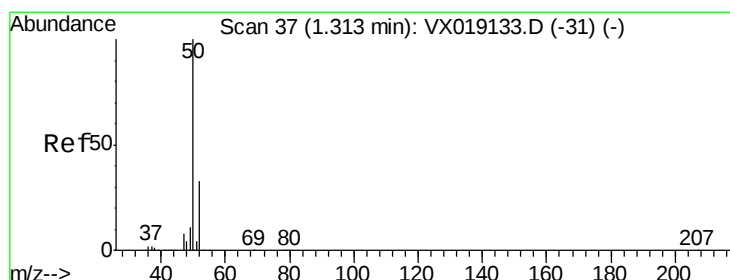
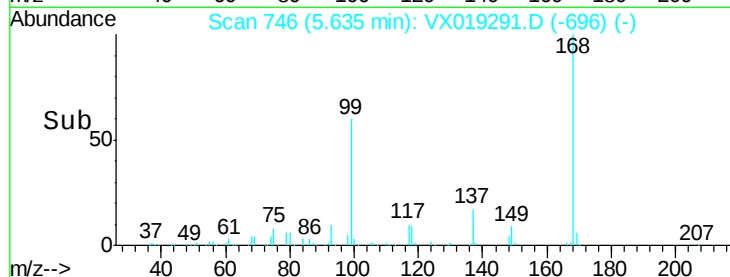
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019291.D

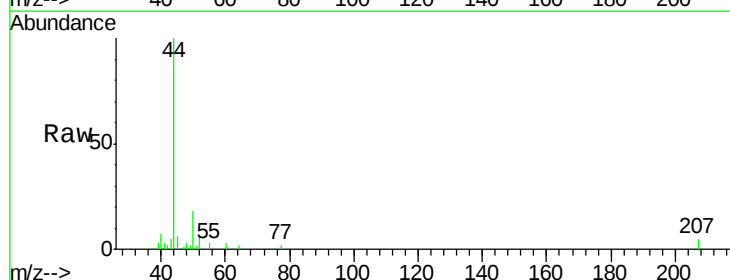
Acq: 04 Nov 2020 23:48

Tgt Ion: 50 Resp: 718

Ion Ratio Lower Upper

50 100

52 30.8 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

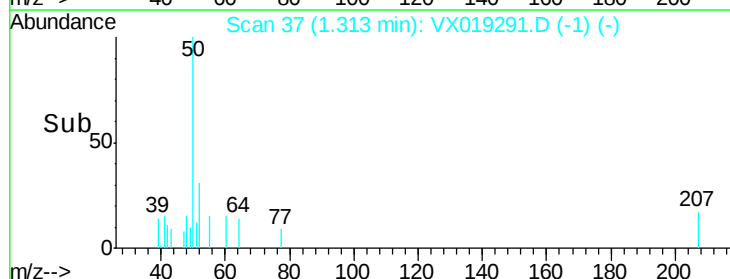
600

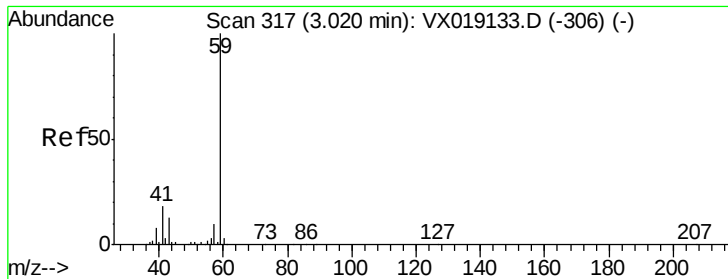
400

200

0

Time-->



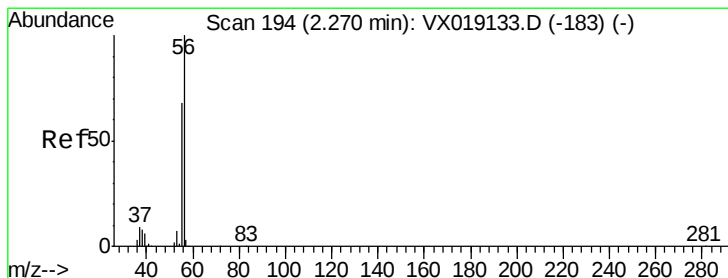
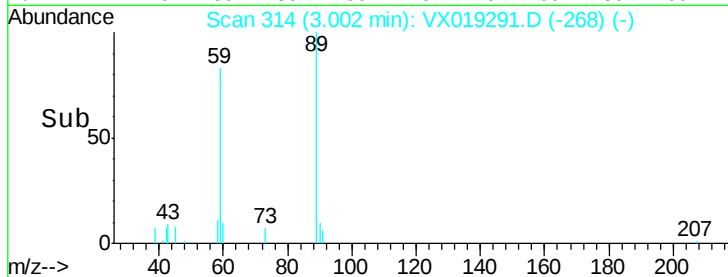
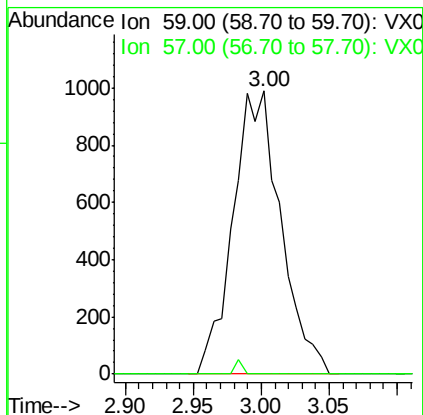
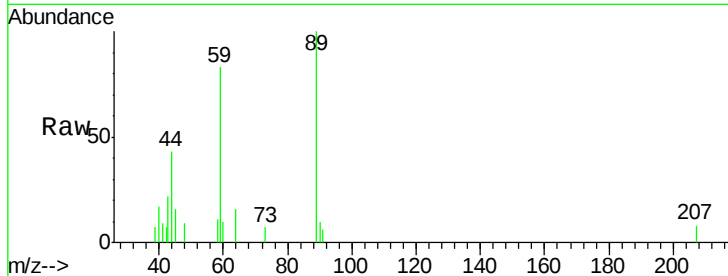


#11

Tert butyl alcohol
 Concen: 3.358 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX019291.D
 Acq: 04 Nov 2020 23:48

Instrument :
 MSVOA_X
 ClientSampled :

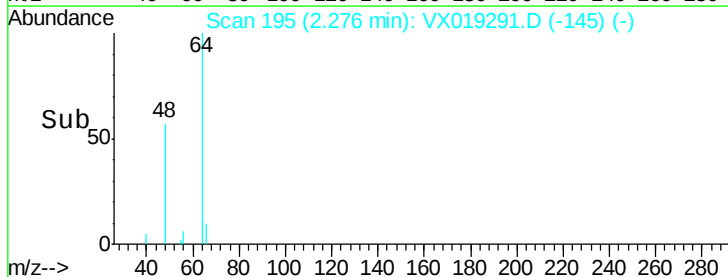
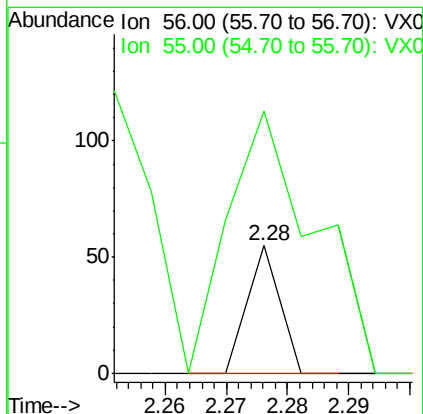
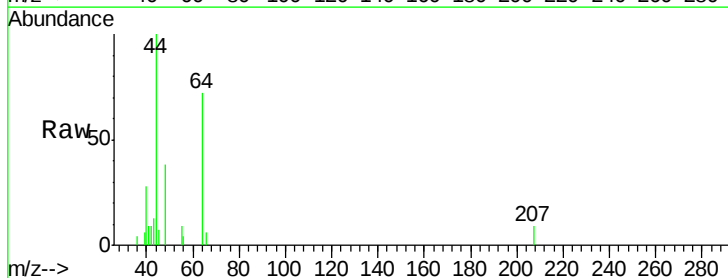
Tot Ion: 59 Resp: 2427
 Ion Ratio Lower Upper
 59 100
 57 0.8 8.4 12.6#

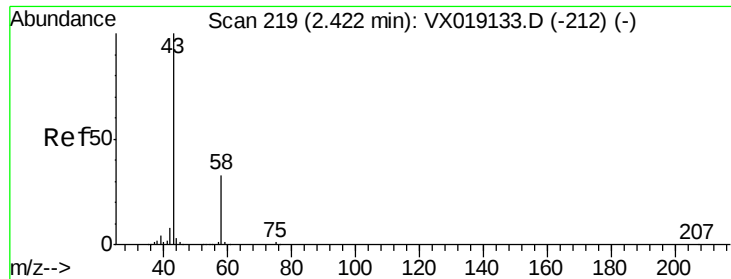


#13

Acrolein
 Concen: 5.708 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX019291.D
 Acq: 04 Nov 2020 23:48

Tgt Ion: 56 Resp: 20
 Ion Ratio Lower Upper
 56 100
 55 550.0 54.7 82.1#





#16

Acetone

Concen: 2.941 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019291.D

Acq: 04 Nov 2020 23:48

Instrument :

MSVOA_X

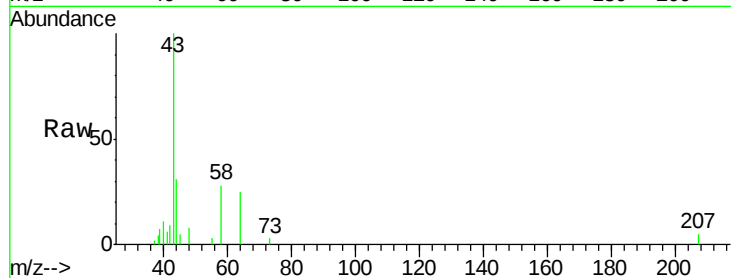
ClientSampled :

Tot Ion: 43 Resp: 3712

Ion Ratio Lower Upper

43 100

58 29.2 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

2500

2000

1500

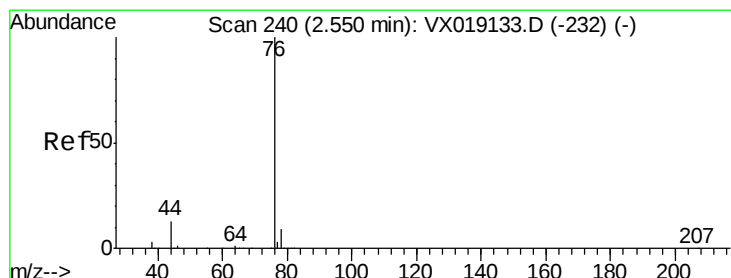
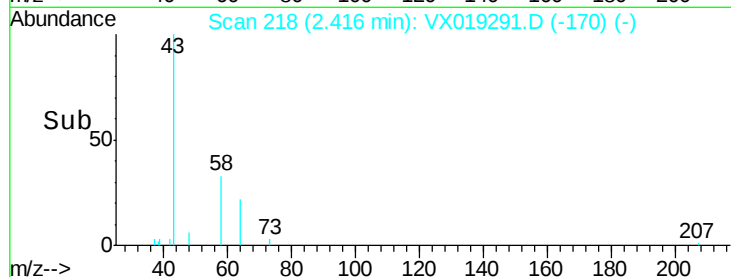
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.842 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019291.D

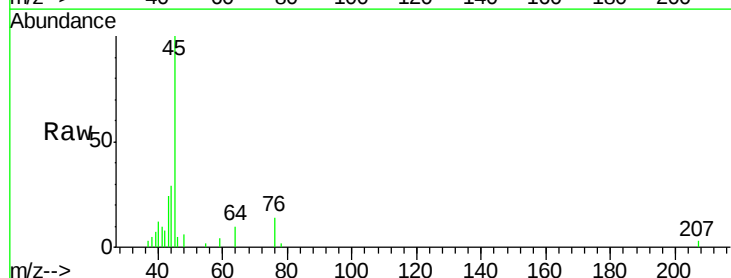
Acq: 04 Nov 2020 23:48

Tgt Ion: 76 Resp: 651

Ion Ratio Lower Upper

76 100

78 17.3 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

400

300

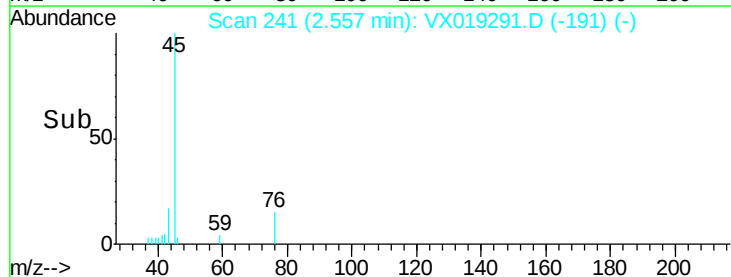
200

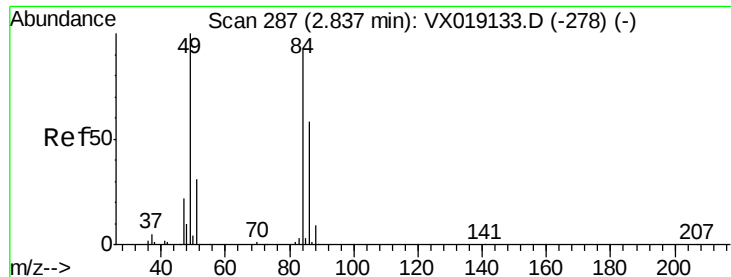
100

0

Time-->

2.50 2.55 2.60





#20

Methvlene Chloride

Concen: 0.274 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX019291.D

Acq: 04 Nov 2020 23:48

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 867

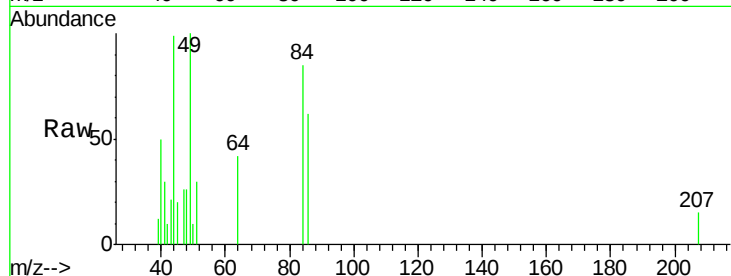
Ion Ratio Lower Upper

84 100

49 117.2 86.8 130.2

51 35.7 27.3 40.9

86 72.5 50.6 76.0

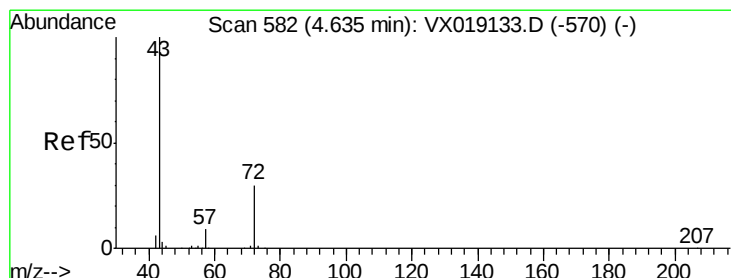
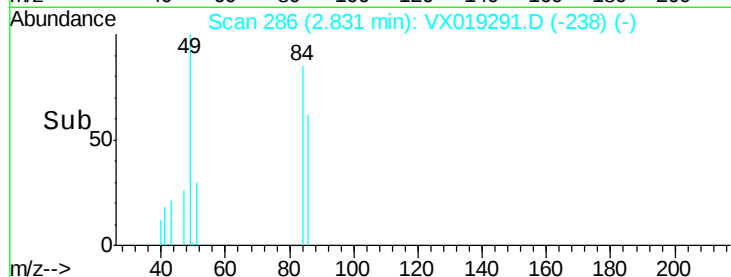
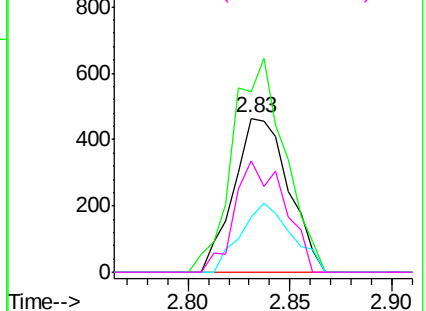


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.546 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX019291.D

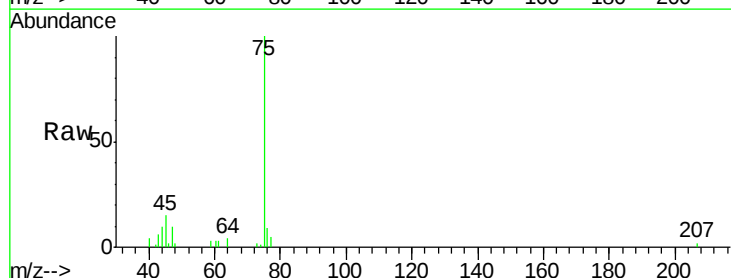
Acq: 04 Nov 2020 23:48

Tgt Ion: 43 Resp: 1086

Ion Ratio Lower Upper

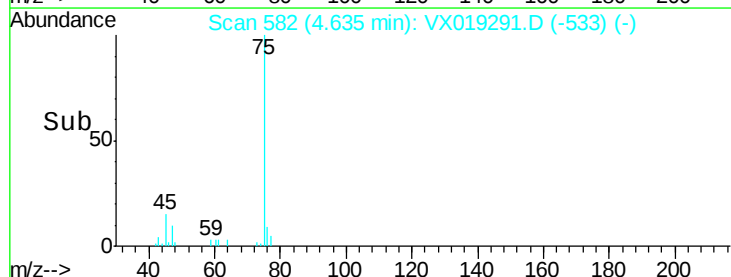
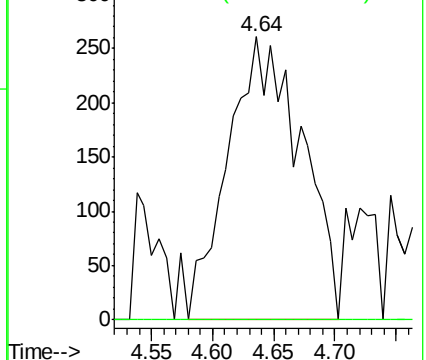
43 100

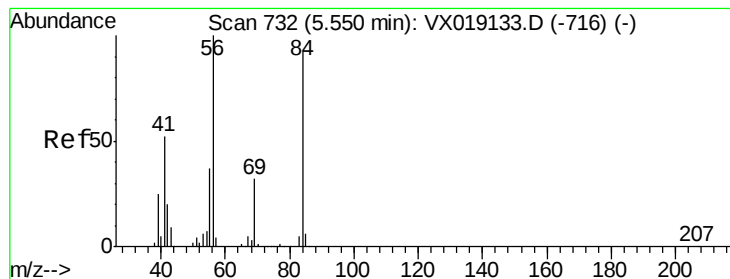
72 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.333 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019291.D

Acq: 04 Nov 2020 23:48

Instrument :

MSVOA_X

ClientSampled :

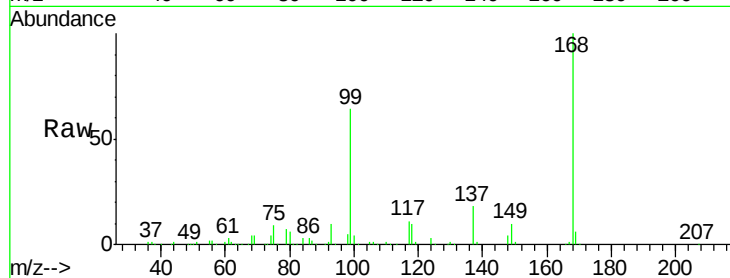
Tot Ion: 56 Resp: 6163

Ion Ratio Lower Upper

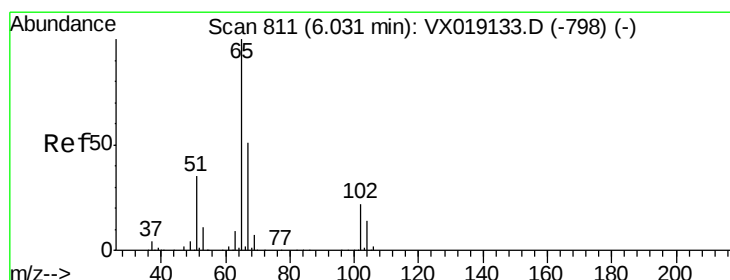
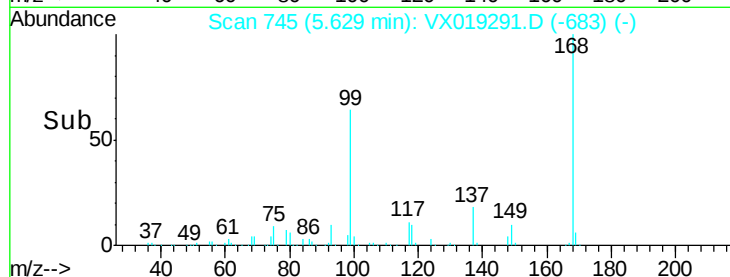
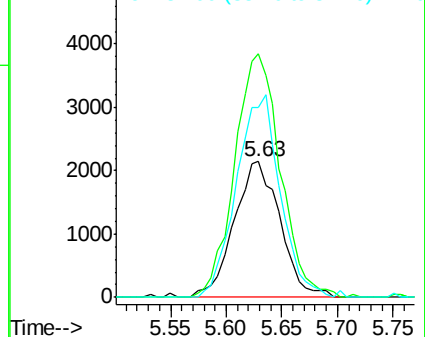
56 100

69 179.4 25.9 38.9#

84 139.8 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: 55.251 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019291.D

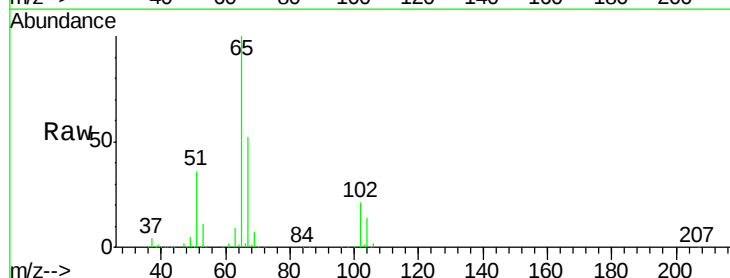
Acq: 04 Nov 2020 23:48

Tgt Ion: 65 Resp: 202155

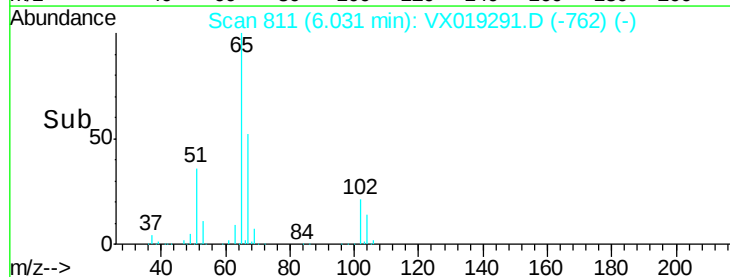
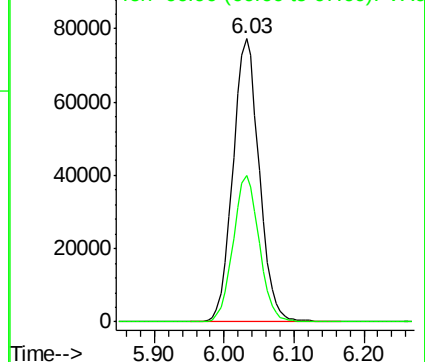
Ion Ratio Lower Upper

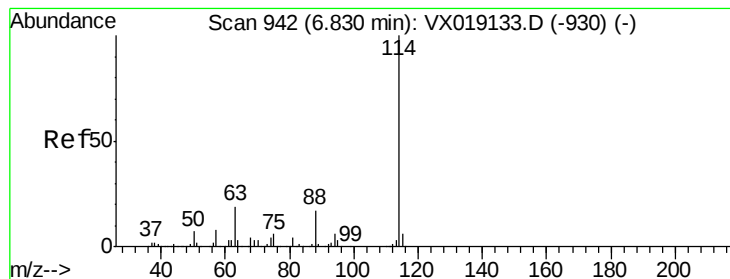
65 100

67 51.3 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: VX019291.D

Acq: 04 Nov 2020 23:48

Instrument :

MSVOA_X

ClientSampleId :

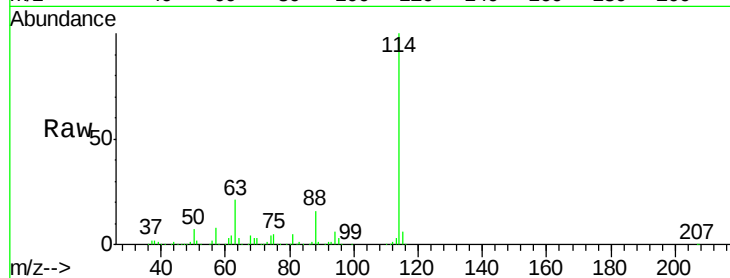
Tot Ion:114 Resp: 508301

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.8

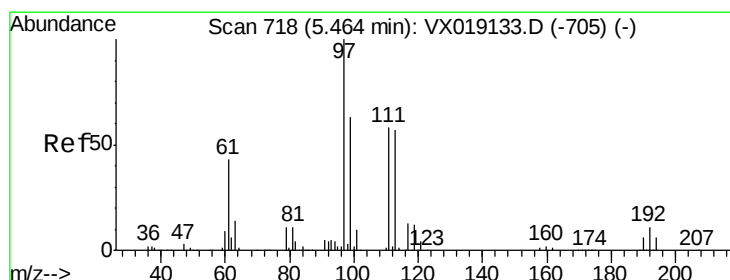
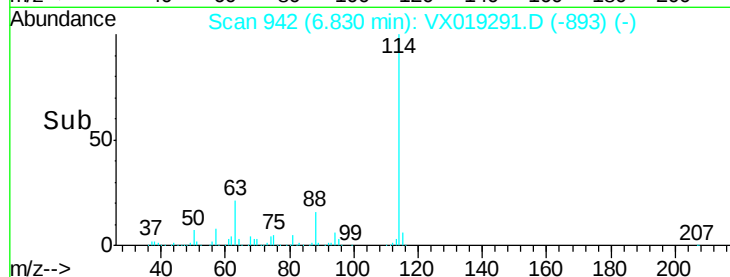
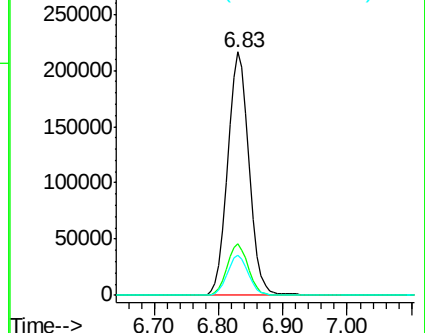
88 16.3 0.0 34.2



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: 50.115 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019291.D

Acq: 04 Nov 2020 23:48

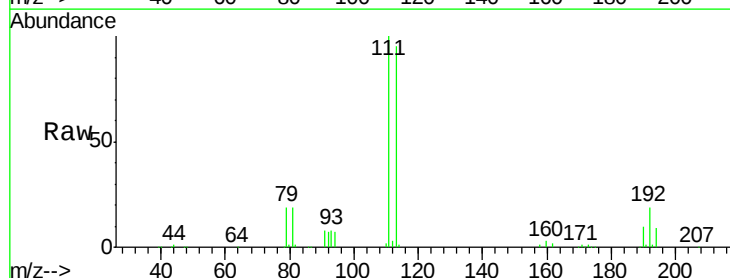
Tgt Ion:113 Resp: 160007

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

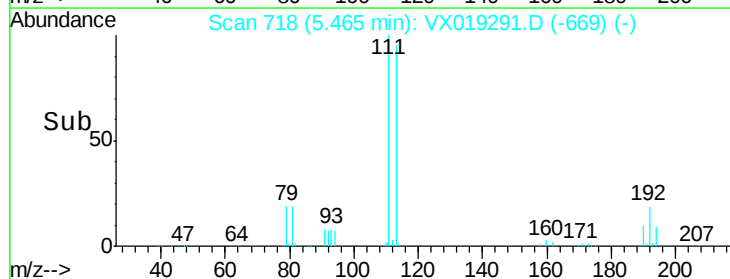
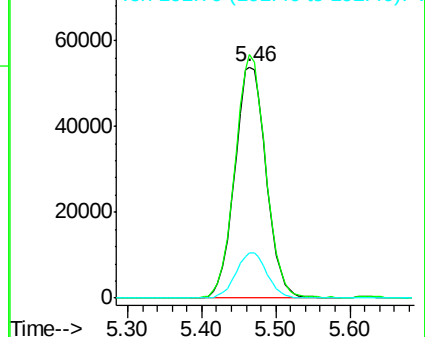
192 19.4 16.2 24.2

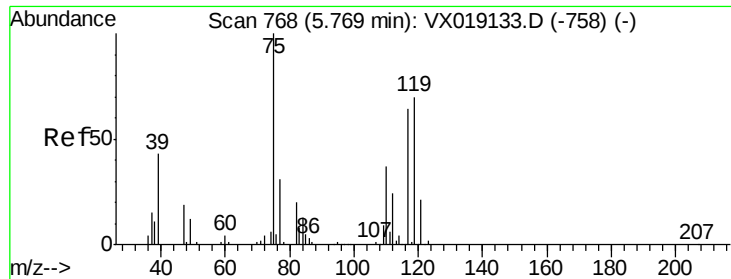


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

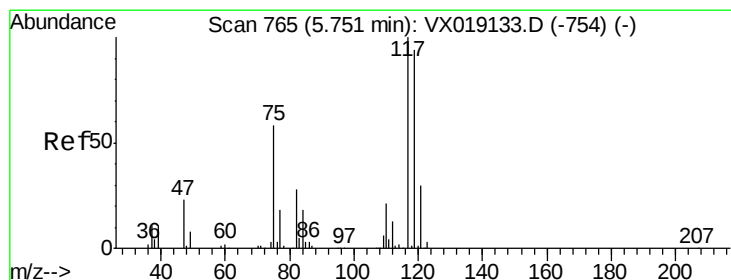
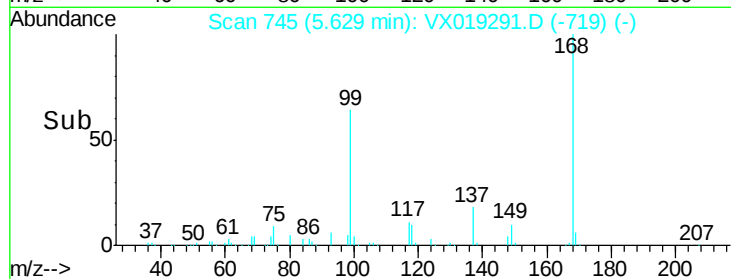
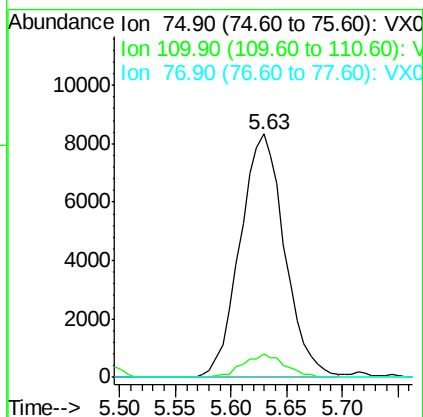
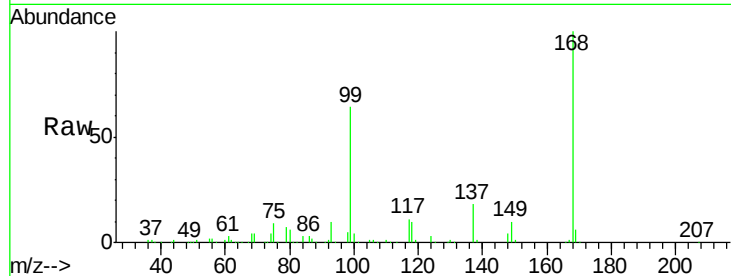




#36
 1,1-Dichloropropene
 Concen: 4.945 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019291.D
 Acq: 04 Nov 2020 23:48

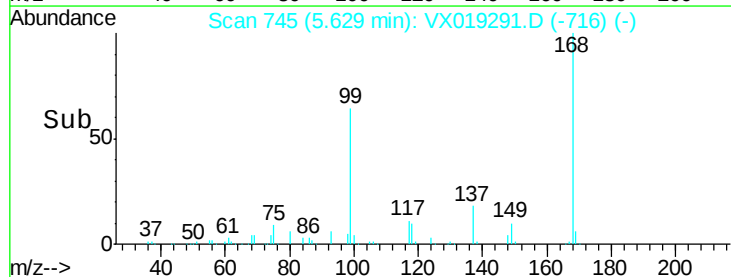
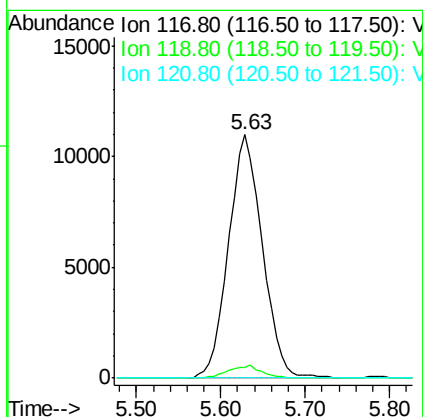
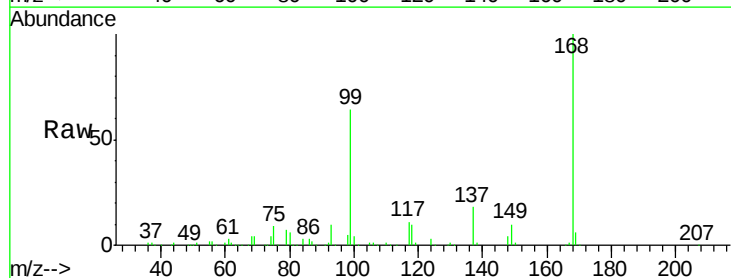
Instrument :
 MSVOA_X
 ClientSampled :

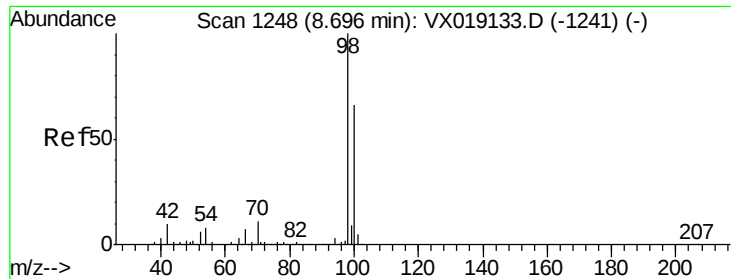
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.256 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019291.D
 Acq: 04 Nov 2020 23:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.0	112.6#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 52.561 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019291.D

Acq: 04 Nov 2020 23:48

Instrument :

MSVOA_X

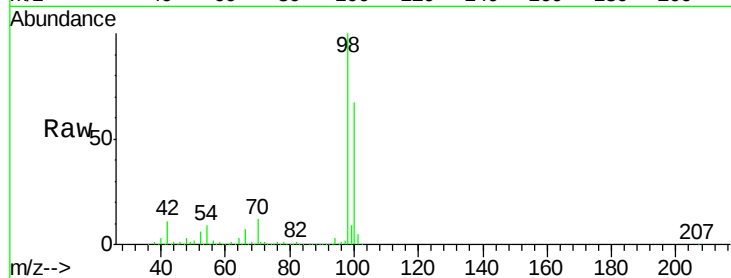
ClientSampleId :

Tot Ion: 98 Resp: 632610

Ion Ratio Lower Upper

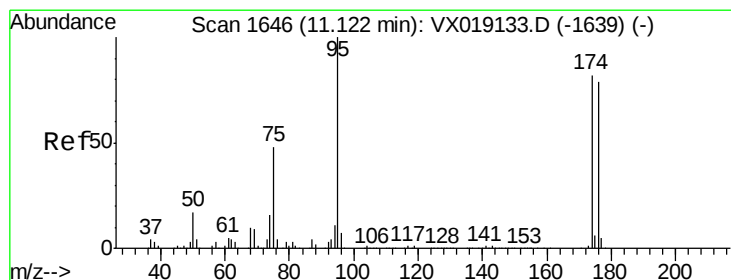
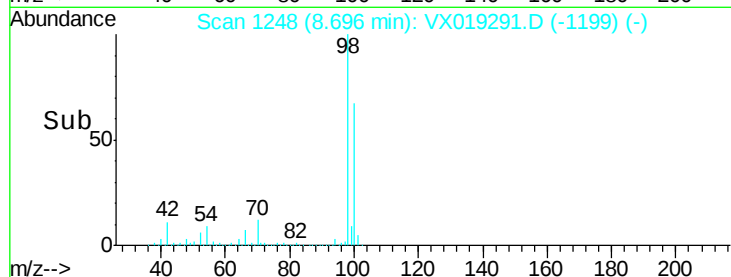
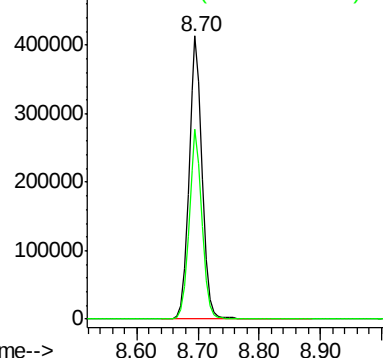
98 100

100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 52.725 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019291.D

Acq: 04 Nov 2020 23:48

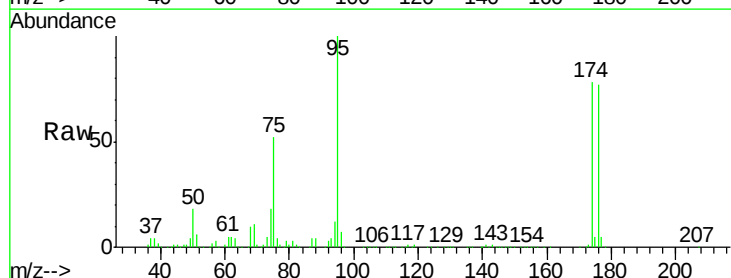
Tgt Ion: 95 Resp: 240321

Ion Ratio Lower Upper

95 100

174 75.1 0.0 156.0

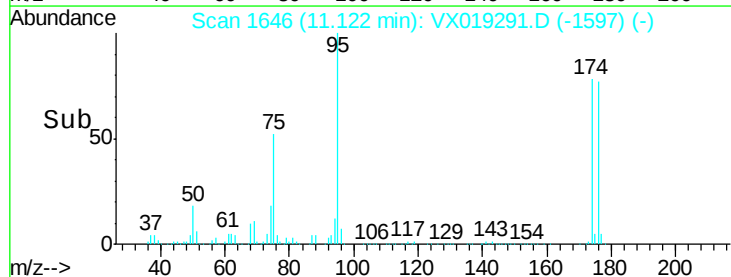
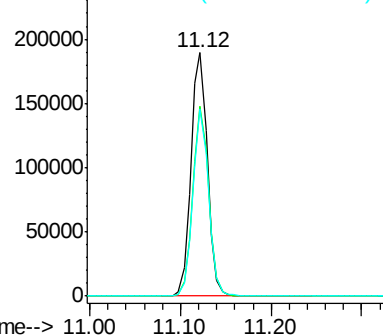
176 73.3 0.0 149.8

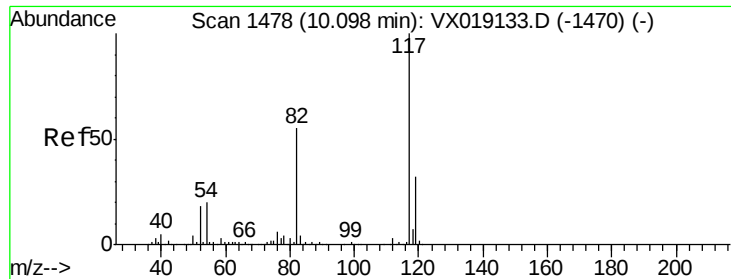


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

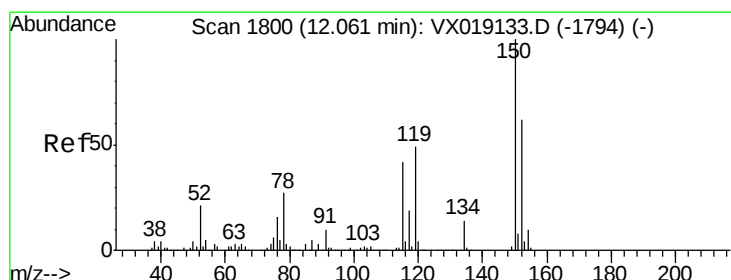
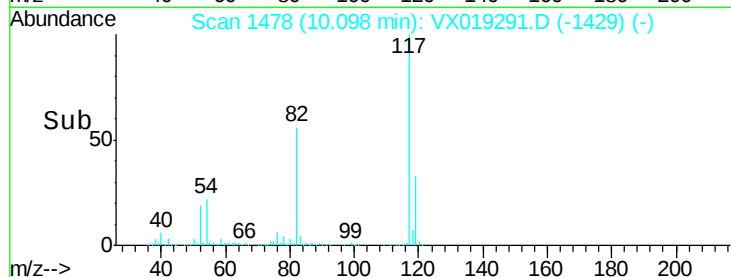
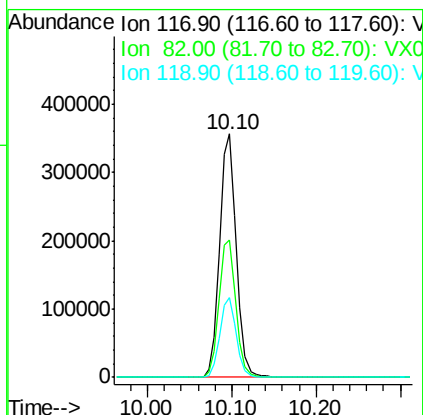
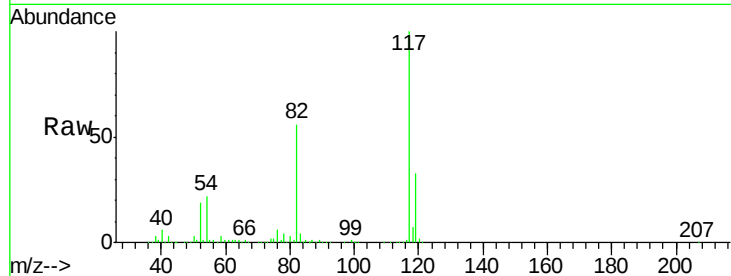




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019291.D
Acq: 04 Nov 2020 23:48

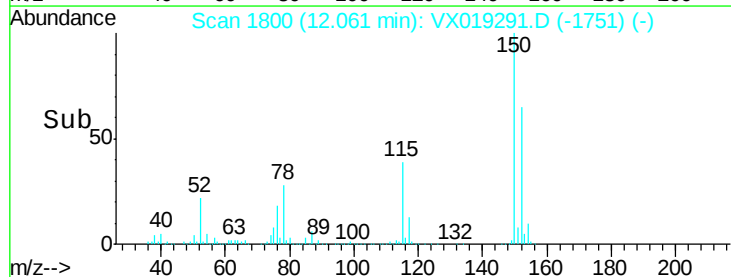
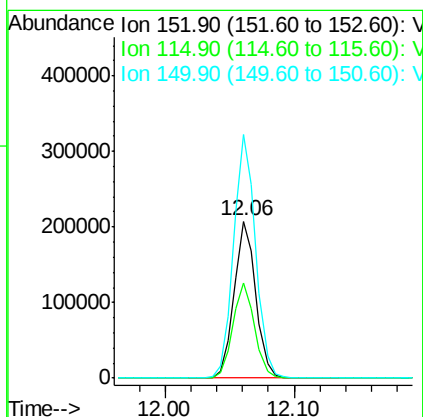
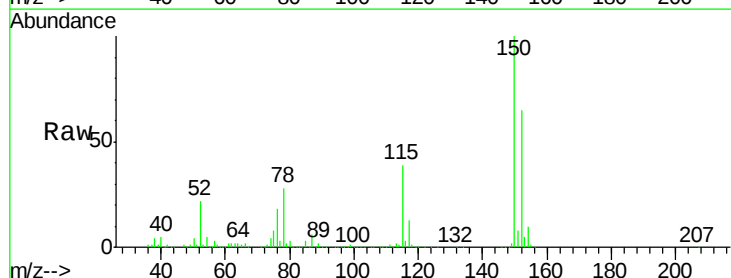
Instrument :
MSVOA_X
ClientSampleId :

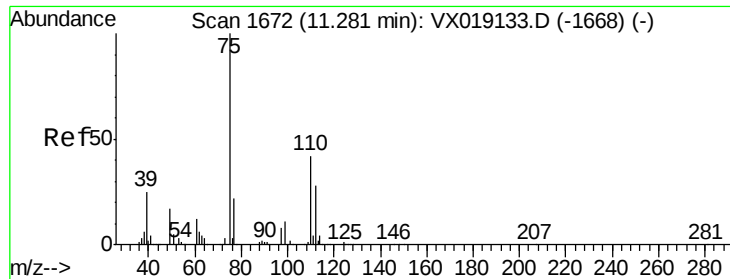
Tot Ion:117 Resp: 485637
Ion Ratio Lower Upper
117 100
82 56.3 43.6 65.4
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019291.D
Acq: 04 Nov 2020 23:48

Tgt Ion:152 Resp: 244938
Ion Ratio Lower Upper
152 100
115 60.5 41.9 125.7
150 157.3 0.0 347.8

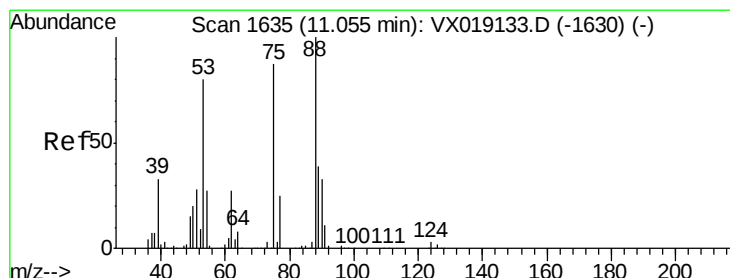
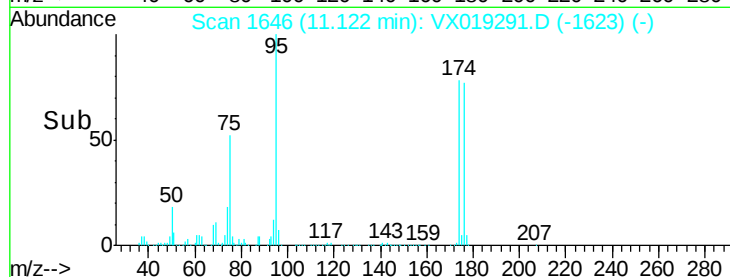
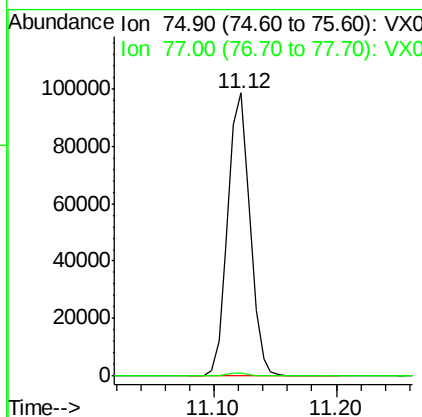
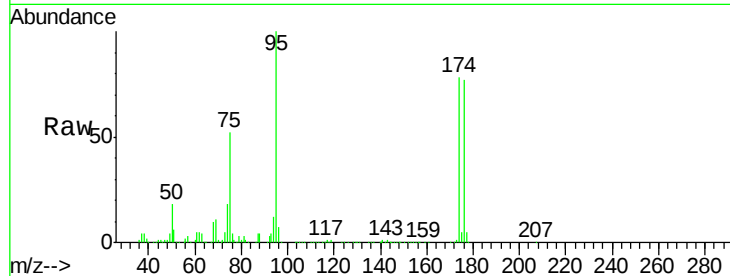




#76
 1,2,3-Trichloropropane
 Concen: 24.504 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX019291.D
 Acq: 04 Nov 2020 23:48

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 123926
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.518 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019291.D
 Acq: 04 Nov 2020 23:48

Tgt Ion: 75 Resp: 123926
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.3 109.9#
 89 0.0 38.2 57.2#

