

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042920\
 Data File : VX015975.D
 Acq On : 29 Apr 2020 14:32
 Operator : JC/SP
 Sample : L2406-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 30 05:34:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	274665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	440805	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	424991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	224291	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	173309	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
35) Dibromofluoromethane	5.47	113	131992	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
50) Toluene-d8	8.70	98	540279	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	11.12	95	217348	53.90	ug/l	0.00
Spiked Amount			Recovery	=	107.80%	

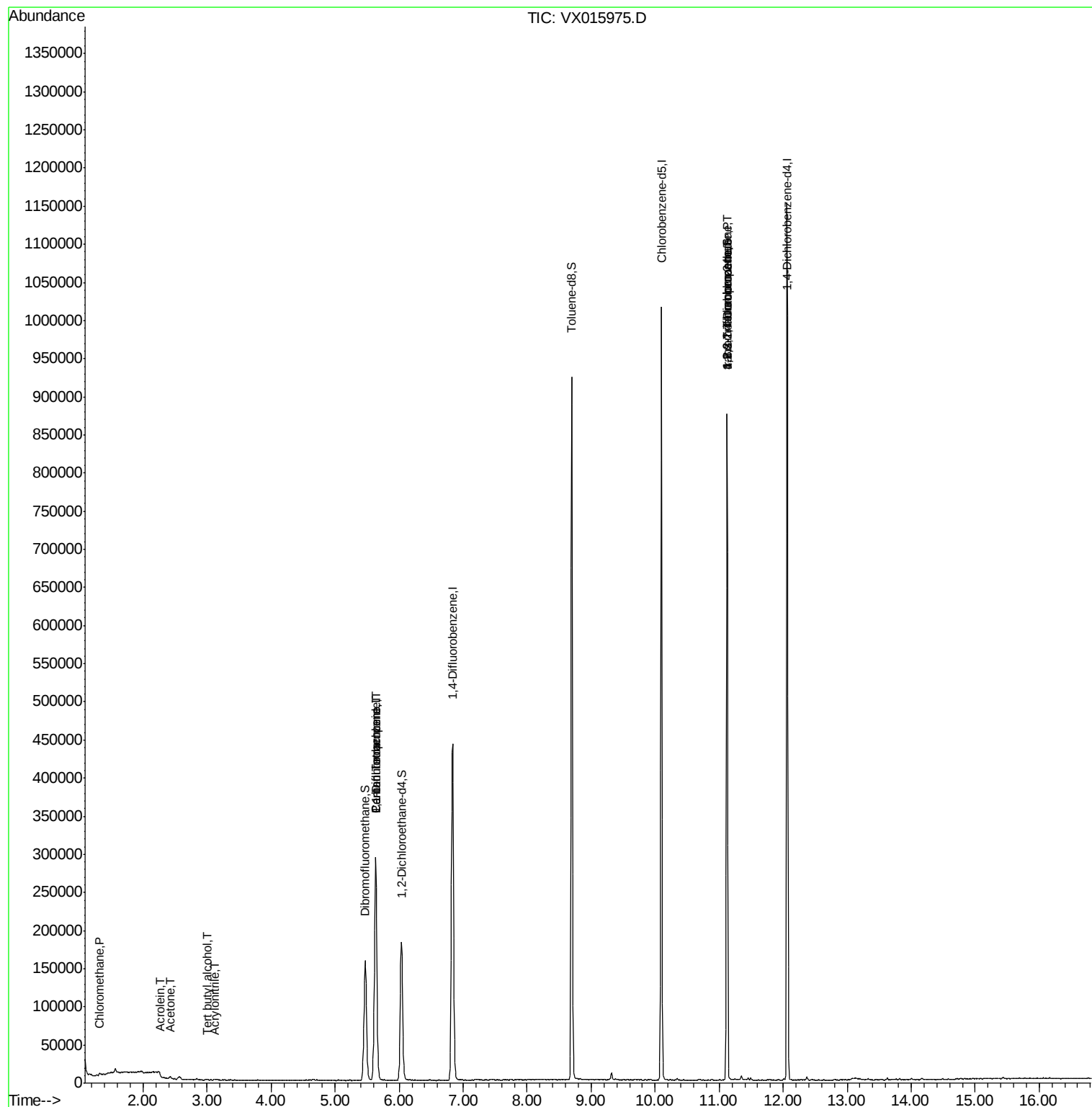
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1863	0.625	ug/l #	88
11) Tert butyl alcohol	3.01	59	540	0.619	ug/l #	72
13) Acrolein	2.28	56	240	1.096	ug/l #	14
15) Acrylonitrile	3.12	53	499	0.289	ug/l #	78
16) Acetone	2.42	43	2772	1.805	ug/l	97
36) 1,1-Dichloropropene	5.64	75	21588	5.142	ug/l #	51
38) Carbon Tetrachloride	5.64	117	26772	6.037	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	11.12	83	318	3.784	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	113543	24.125	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	113543	57.012	ug/l #	10

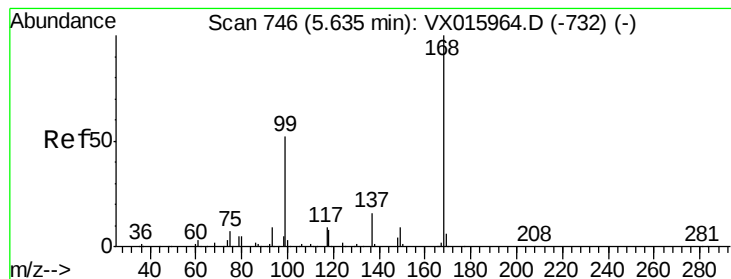
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042920\
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Acq On : 29 Apr 2020 14:32
Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

Quant Time: Apr 30 05:34:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 28 17:30:11 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015975.D

Acq: 29 Apr 2020 14:32

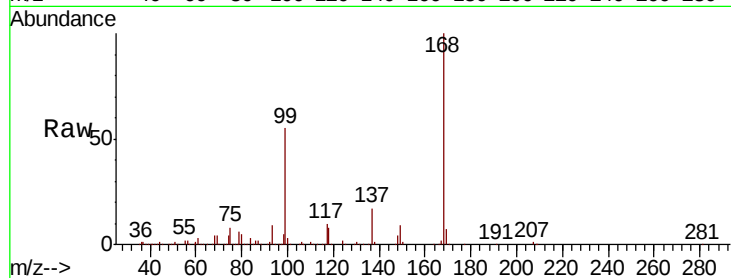
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 274665

Ion Ratio Lower Upper

168 100

99 54.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

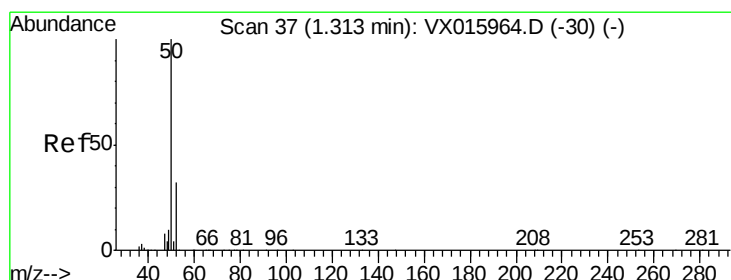
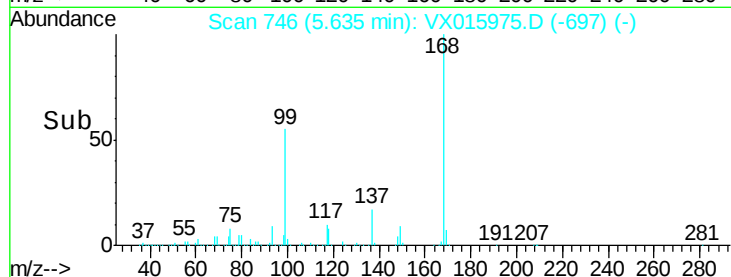
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.625 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX015975.D

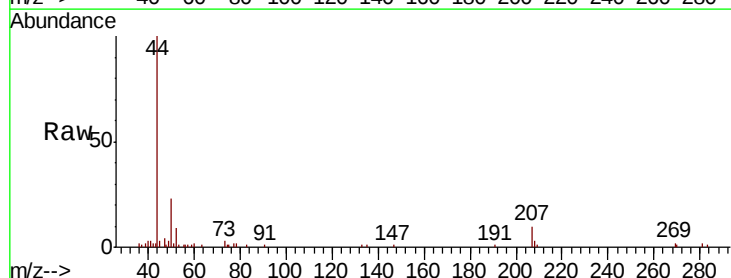
Acq: 29 Apr 2020 14:32

Tgt Ion: 50 Resp: 1863

Ion Ratio Lower Upper

50 100

52 38.6 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

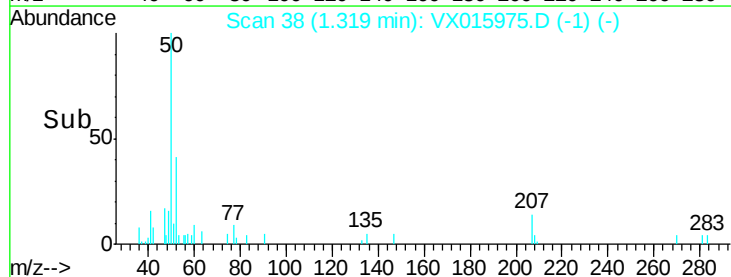
1500

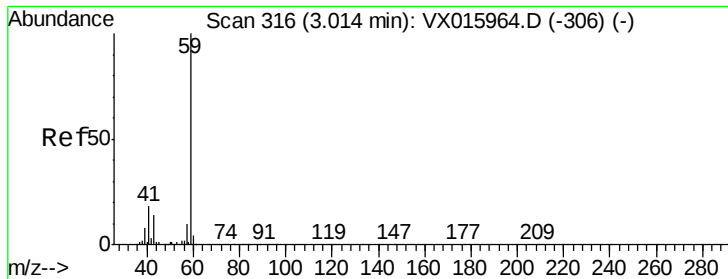
1000

500

0

Time-->

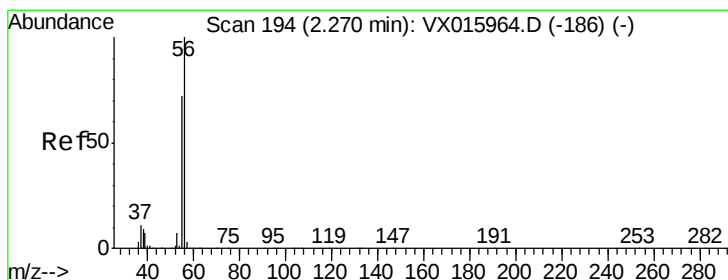
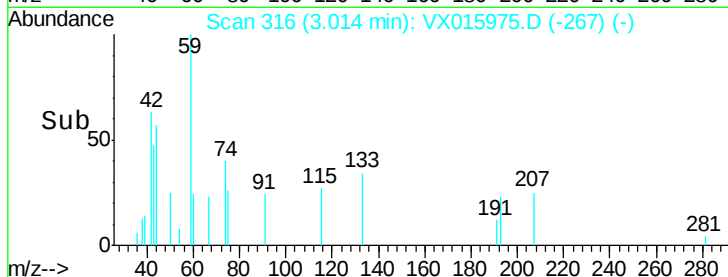
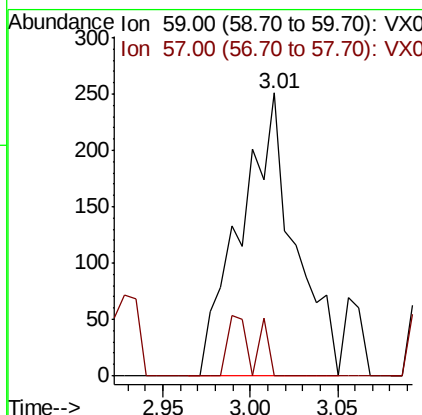
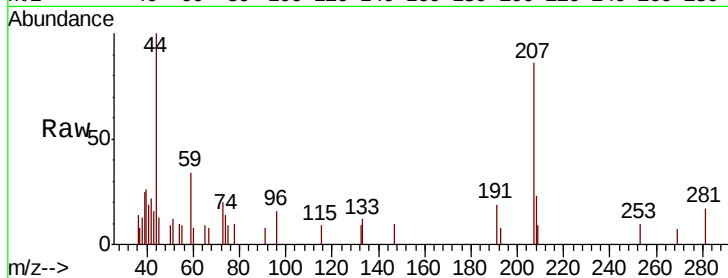




#11
Tert butyl alcohol
Concen: 0.619 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX015975.D
Acq: 29 Apr 2020 14:32

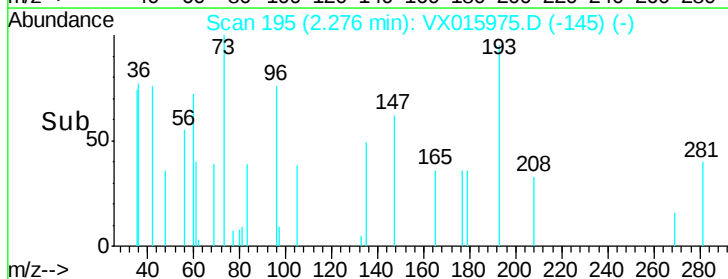
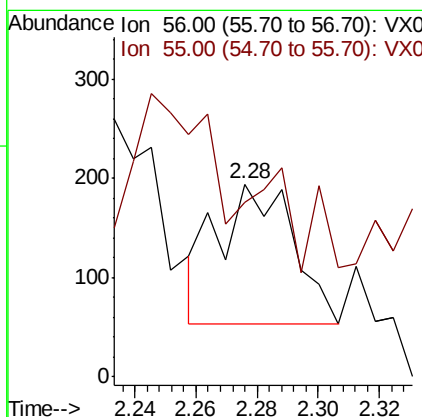
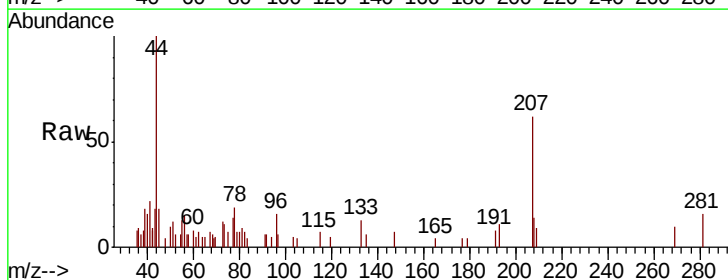
Instrument :
MSVOA_X
ClientSampled :

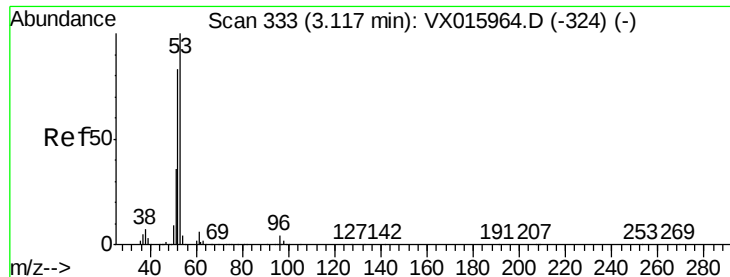
Tot Ion: 59 Resp: 540
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 1.096 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX015975.D
Acq: 29 Apr 2020 14:32

Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#15

Acrylonitrile

Concen: 0.289 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX015975.D

Acq: 29 Apr 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :

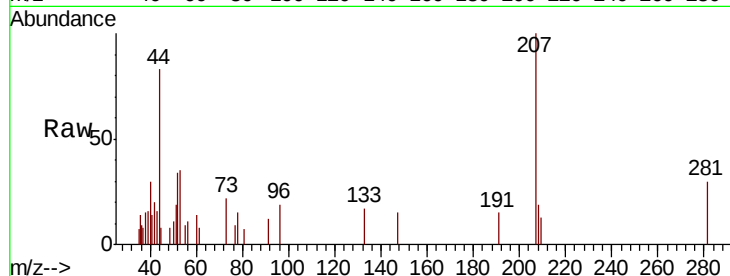
Tot Ion: 53 Resp: 499

Ion Ratio Lower Upper

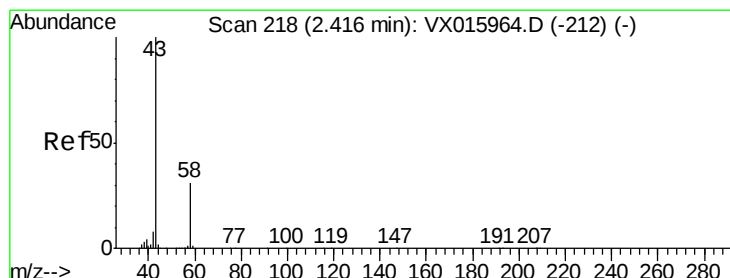
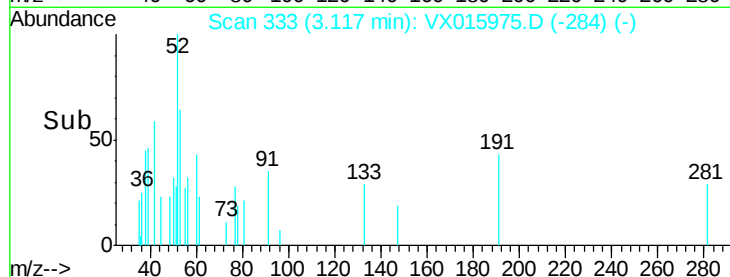
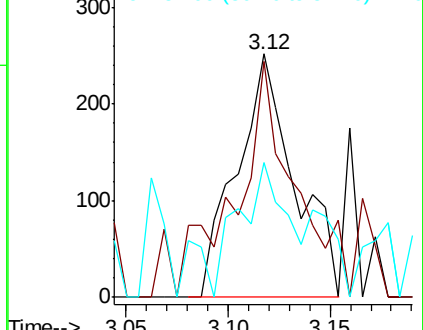
53 100

52 103.4 65.5 98.3#

51 45.9 28.7 43.1#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.805 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX015975.D

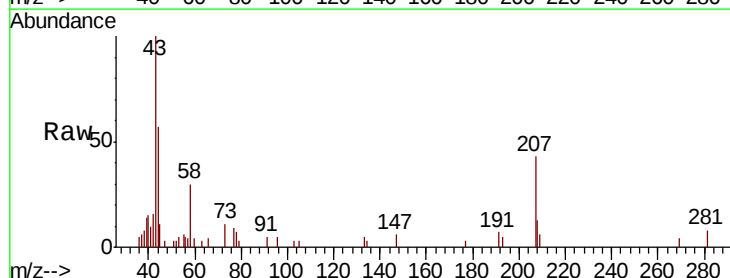
Acq: 29 Apr 2020 14:32

Tgt Ion: 43 Resp: 2772

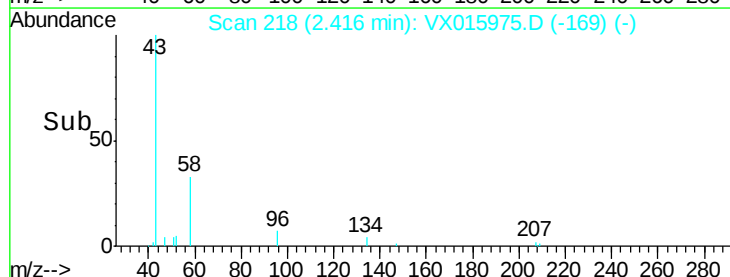
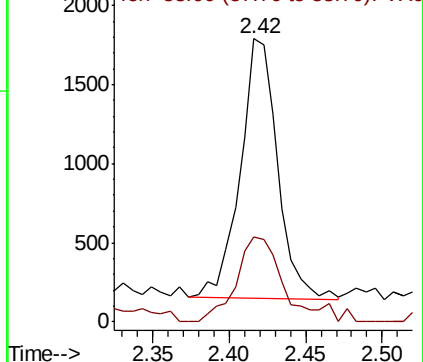
Ion Ratio Lower Upper

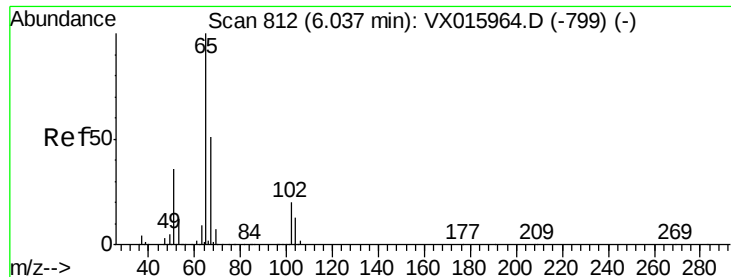
43 100

58 32.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.260 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015975.D

Acq: 29 Apr 2020 14:32

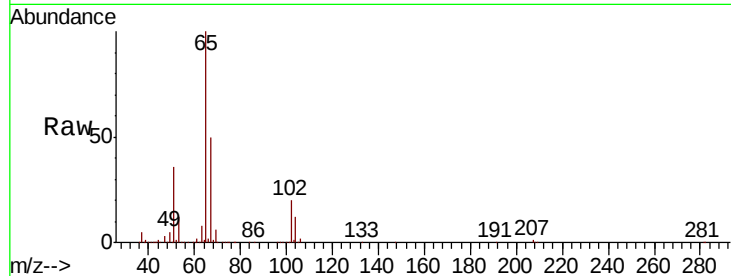
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 173309

Ion Ratio Lower Upper

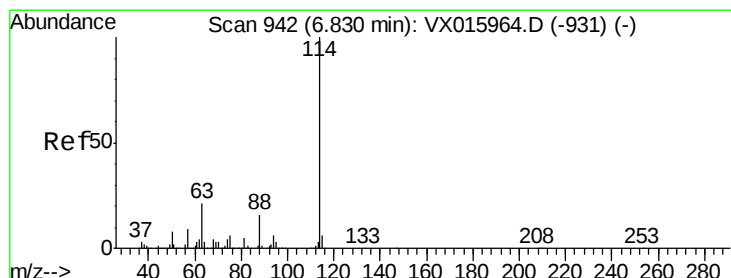
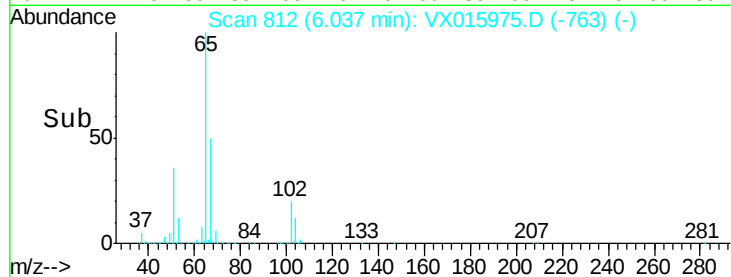
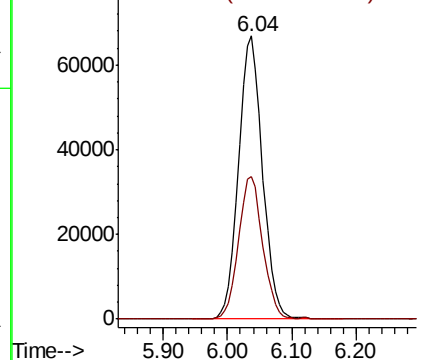
65 100

67 50.8 0.0 102.4



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: VX015975.D

Acq: 29 Apr 2020 14:32

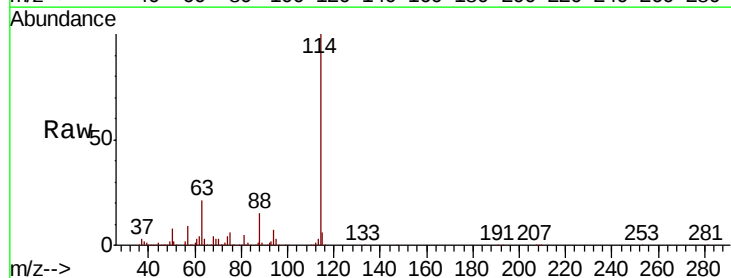
Tgt Ion: 114 Resp: 440805

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.2

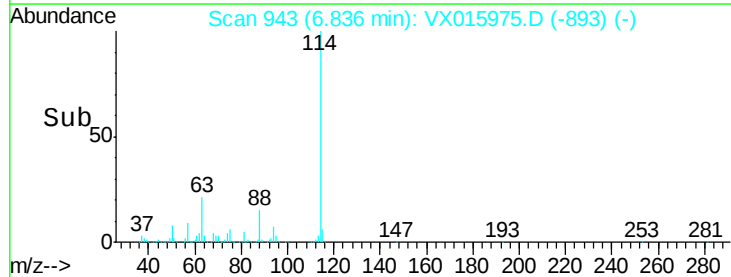
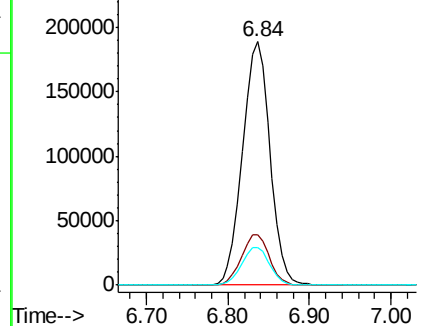
88 15.4 0.0 31.8

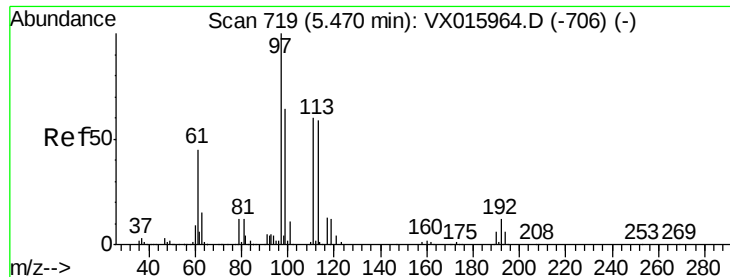


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

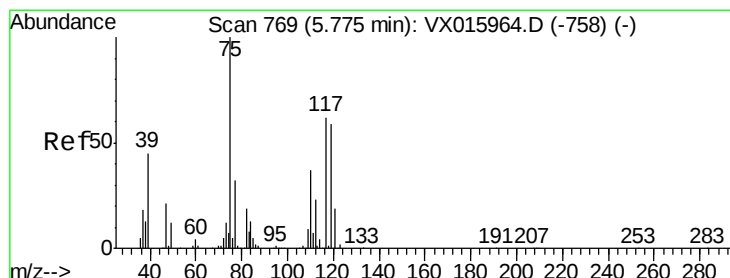
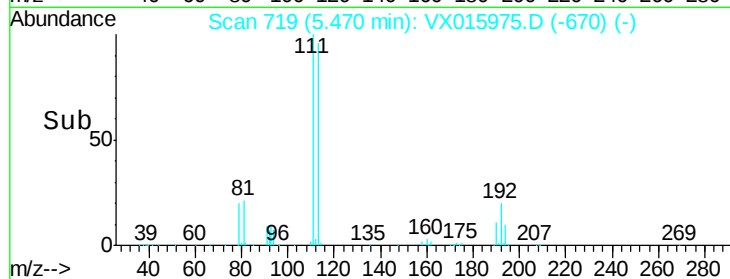
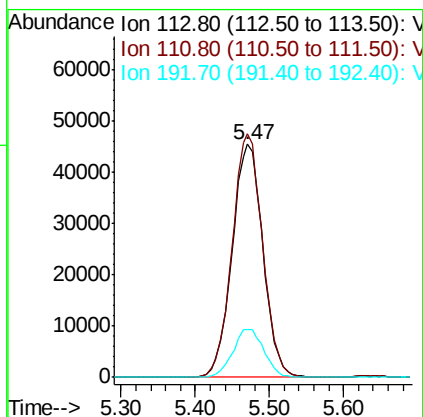
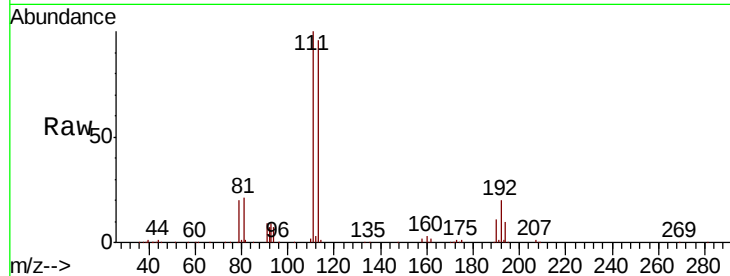




#35
 Dibromofluoromethane
 Concen: 48.001 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX015975.D
 Acq: 29 Apr 2020 14:32

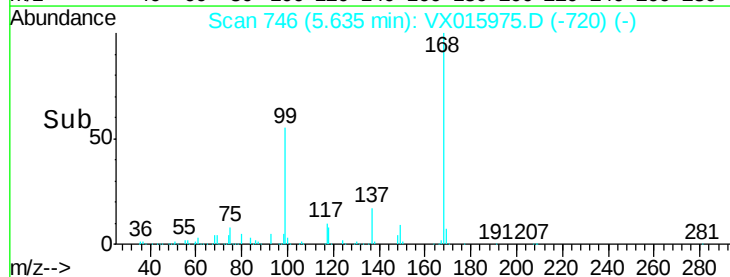
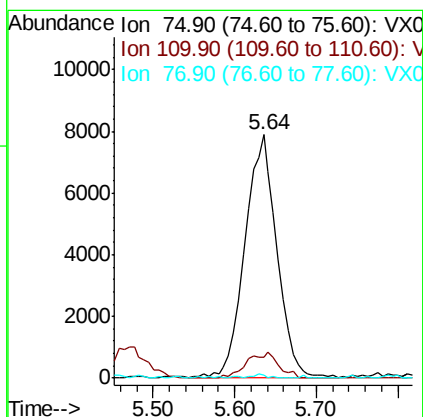
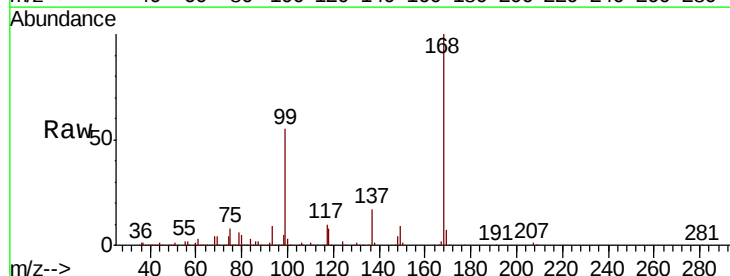
Instrument :
 MSVOA_X
 ClientSampleId :

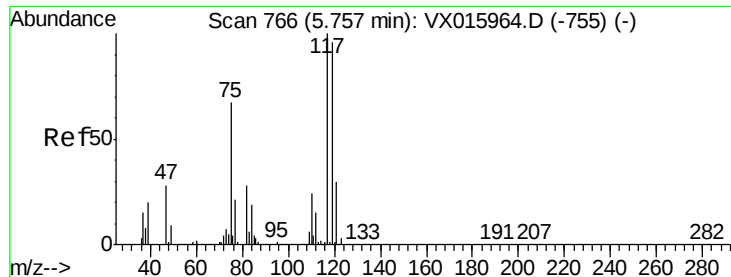
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.8
192	21.1	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 5.142 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.14 min
 Lab File: VX015975.D
 Acq: 29 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.9	53.7#
77	0.7	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 6.037 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX015975.D

Acq: 29 Apr 2020 14:32

Instrument :

MSVOA_X

ClientSampled :

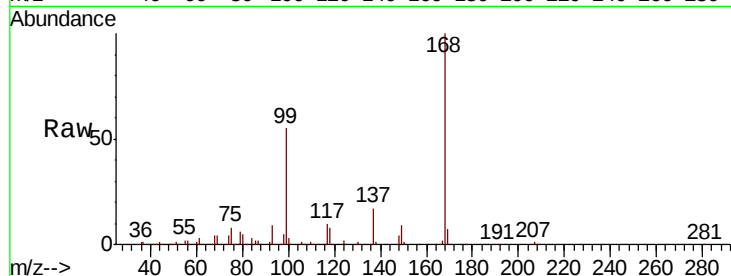
Tot Ion:117 Resp: 26772

Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.4#

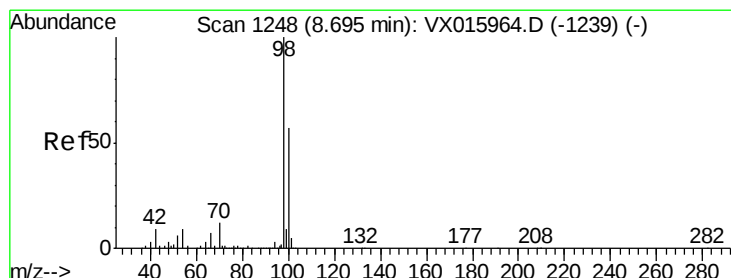
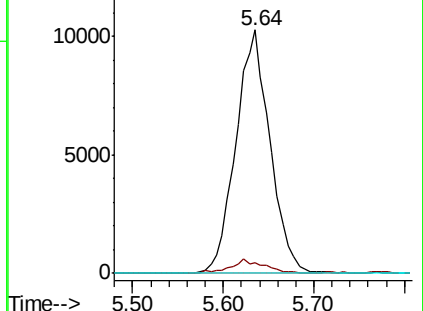
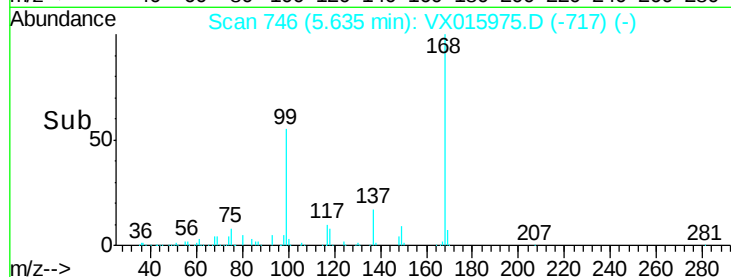
121 0.0 24.2 36.4#



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: 52.551 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015975.D

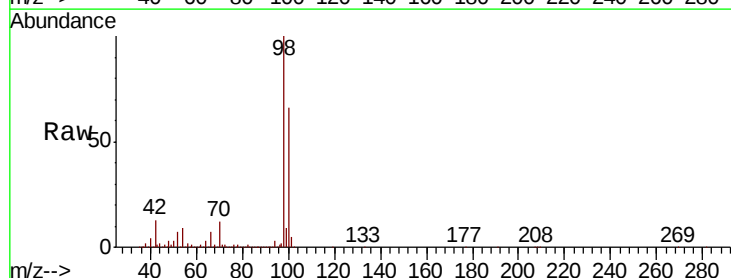
Acq: 29 Apr 2020 14:32

Tgt Ion: 98 Resp: 540279

Ion Ratio Lower Upper

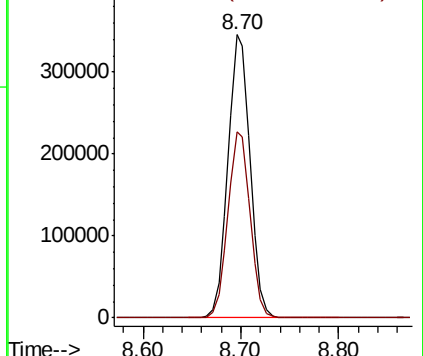
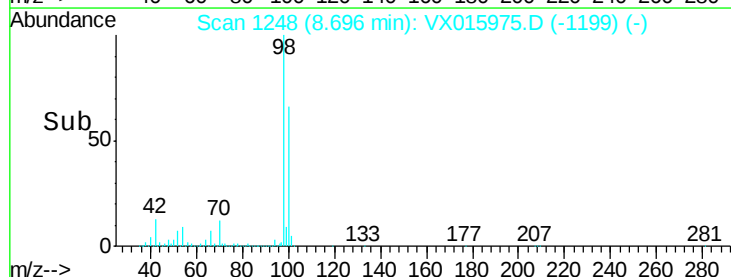
98 100

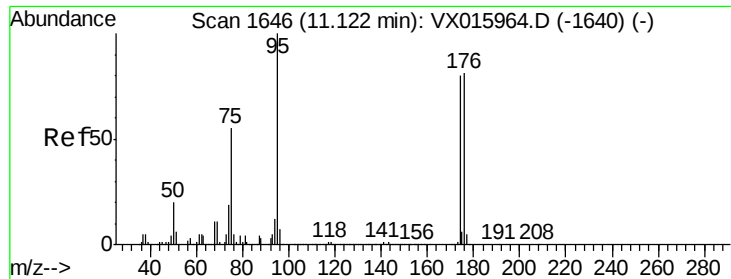
100 66.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.900 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015975.D

Acq: 29 Apr 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

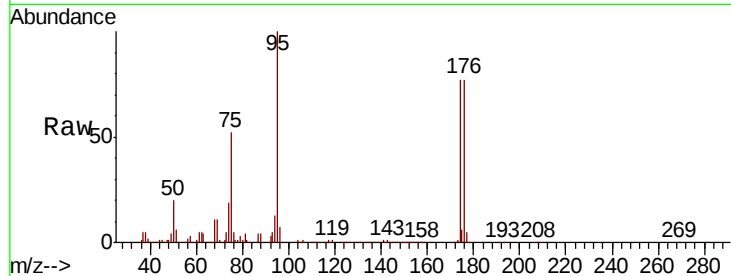
Tot Ion: 95 Resp: 217348

Ion Ratio Lower Upper

95 100

174 81.0 0.0 165.0

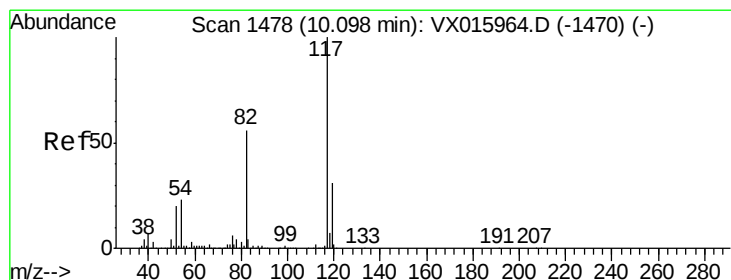
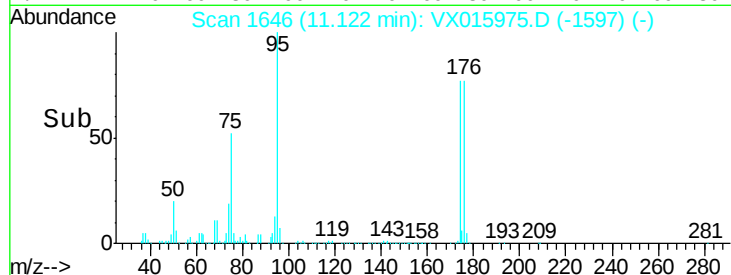
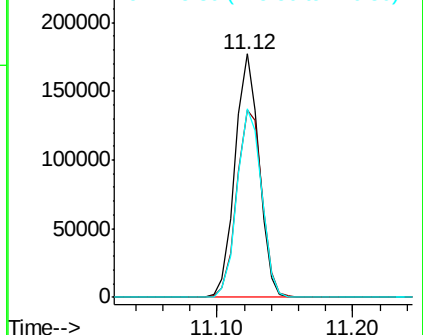
176 79.2 0.0 163.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015975.D

Acq: 29 Apr 2020 14:32

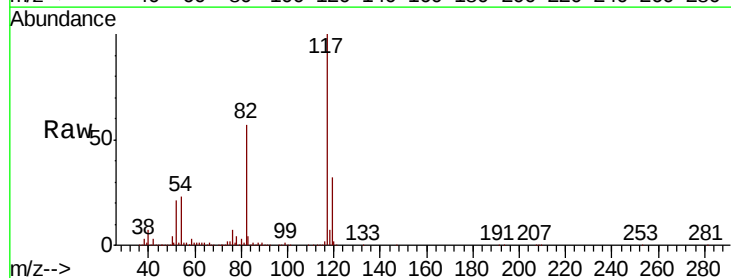
Tgt Ion: 117 Resp: 424991

Ion Ratio Lower Upper

117 100

82 56.8 44.5 66.7

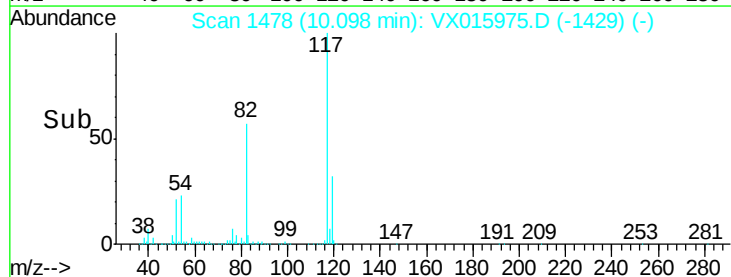
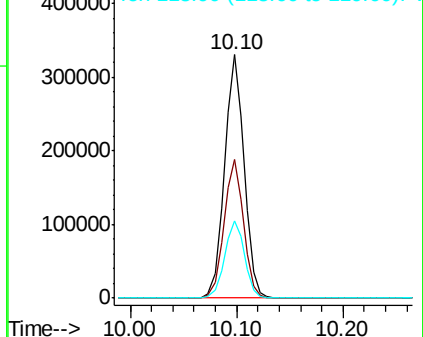
119 31.6 25.0 37.6

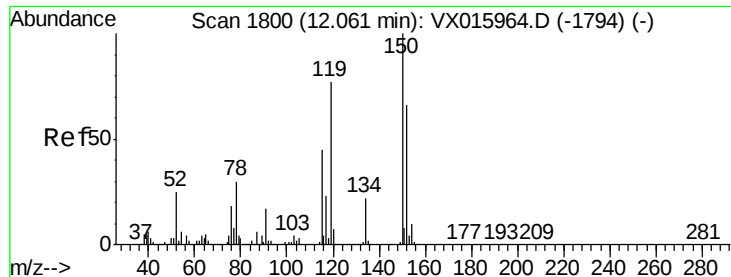


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): 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: VX015975.D

Acq: 29 Apr 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

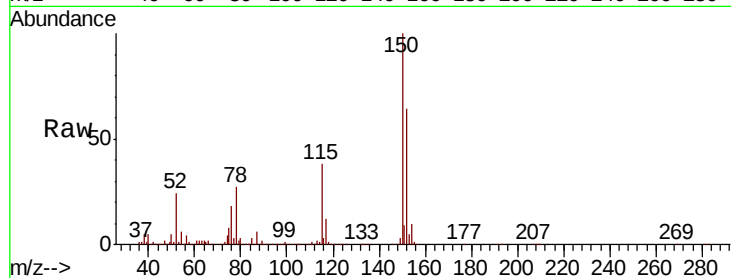
Tot Ion:152 Resp: 224291

Ion Ratio Lower Upper

152 100

115 58.2 40.9 122.7

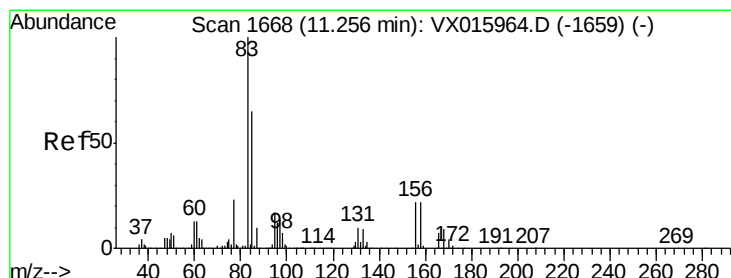
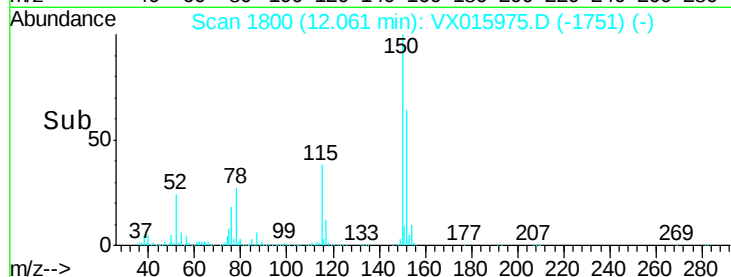
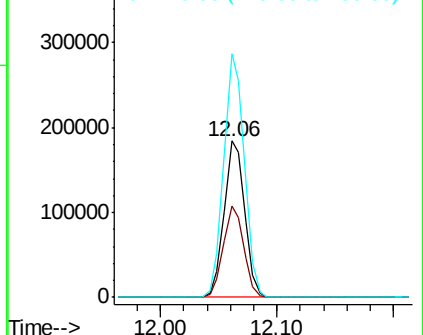
150 156.4 0.0 342.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 3.784 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX015975.D

Acq: 29 Apr 2020 14:32

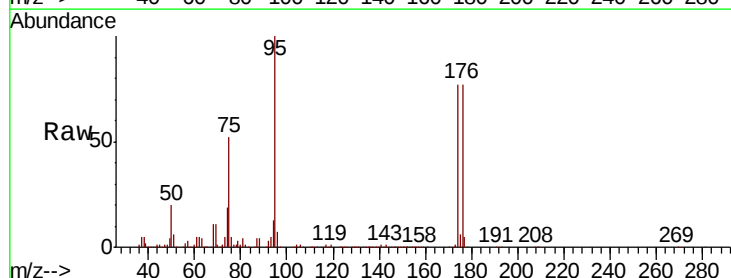
Tgt Ion: 83 Resp: 318

Ion Ratio Lower Upper

83 100

131 107.5 5.1 15.4#

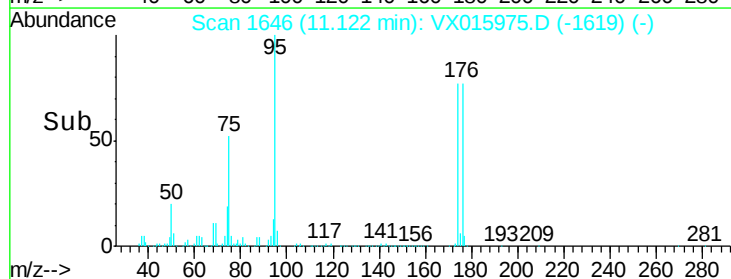
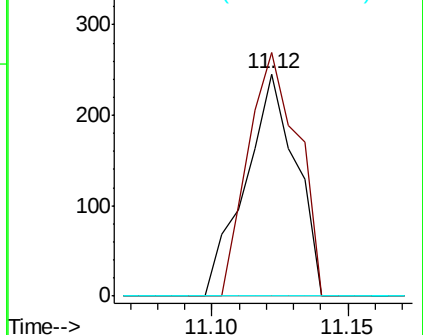
85 0.0 32.2 96.6#

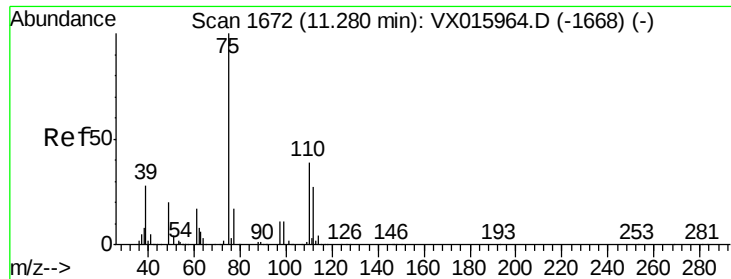


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 24.125 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015975.D

Acq: 29 Apr 2020 14:32

Instrument :

MSVOA_X

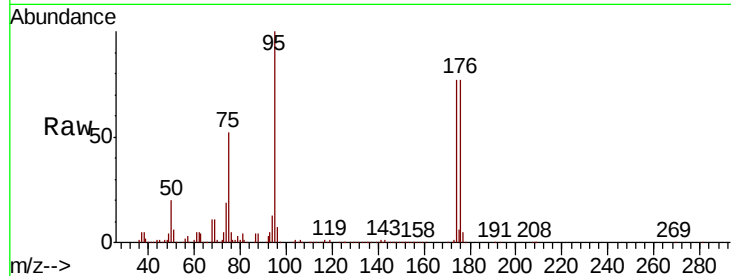
ClientSampleId :

Tot Ion: 75 Resp: 113543

Ion Ratio Lower Upper

75 100

77 1.4 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

100000

80000

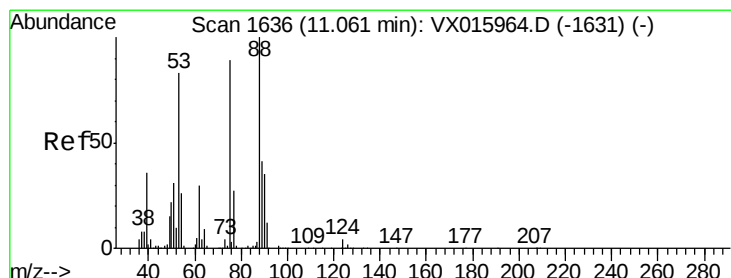
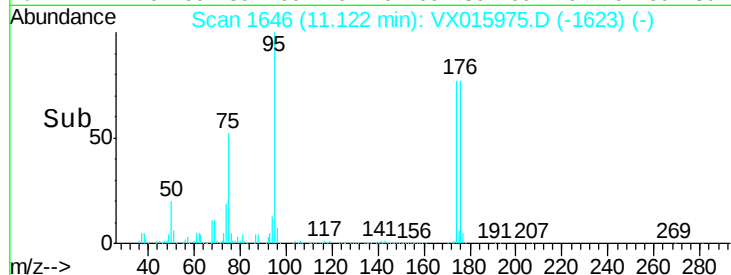
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.012 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015975.D

Acq: 29 Apr 2020 14:32

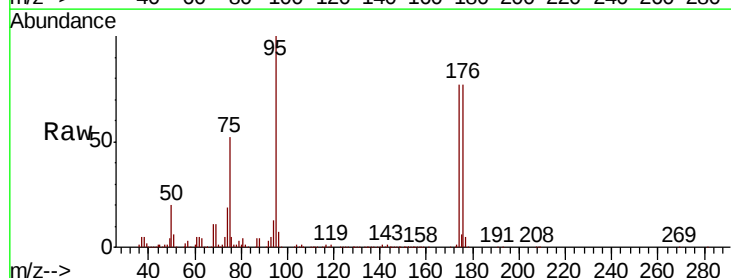
Tgt Ion: 75 Resp: 113543

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.12

120000

100000

80000

60000

40000

20000

0

Time-->

