

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042920\
 Data File : VX015981.D
 Acq On : 29 Apr 2020 16:48
 Operator : JC/SP
 Sample : L2405-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 30 05:36:28 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	274844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	445354	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	432405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	227709	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	173638	48.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.64%	
35) Dibromofluoromethane	5.47	113	132999	47.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.74%	
50) Toluene-d8	8.70	98	542812	52.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	11.12	95	217401	53.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.72%	

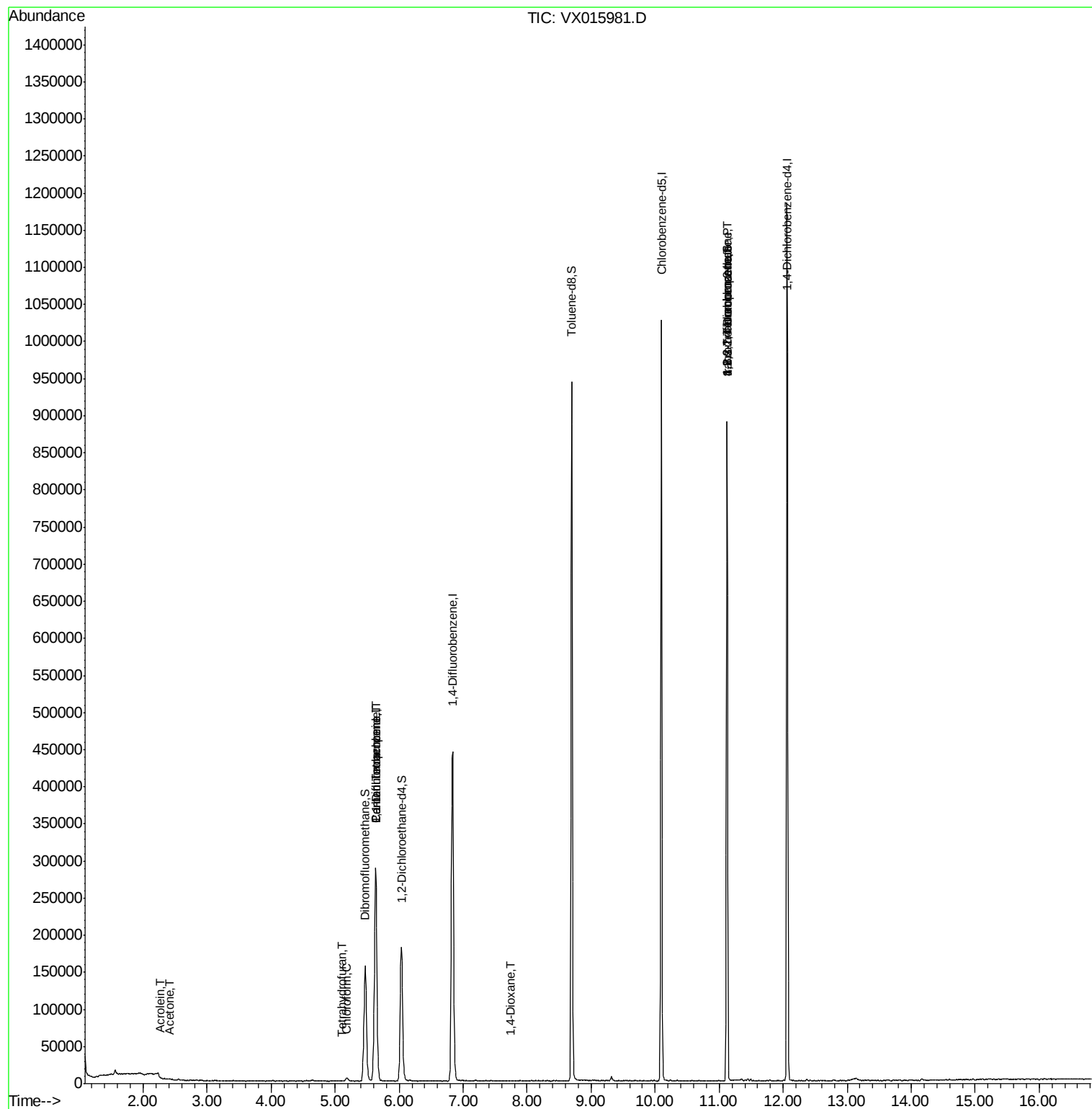
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.28	56	301	1.373	ug/l #	54
16) Acetone	2.42	43	539	0.351	ug/l #	67
29) Tetrahydrofuran	5.10	42	355	0.218	ug/l #	31
30) Chloroform	5.19	83	4301	0.796	ug/l	94
36) 1,1-Dichloropropene	5.63	75	21939	5.172	ug/l #	50
38) Carbon Tetrachloride	5.64	117	26982	6.022	ug/l #	16
49) 1,4-Dioxane	7.74	88	23	0.263	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.12	83	276	3.772	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	116253	24.330	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	116253	57.496	ug/l #	10

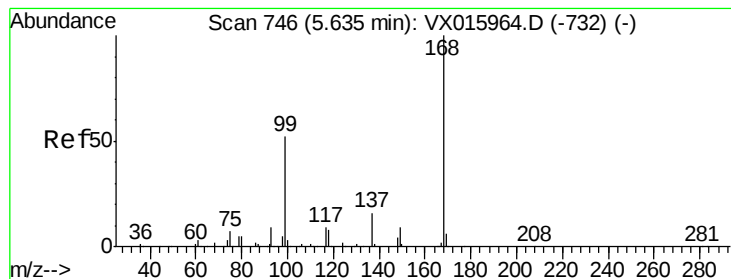
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Apr 30 05:36:28 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: VX015981.D

Acq: 29 Apr 2020 16:48

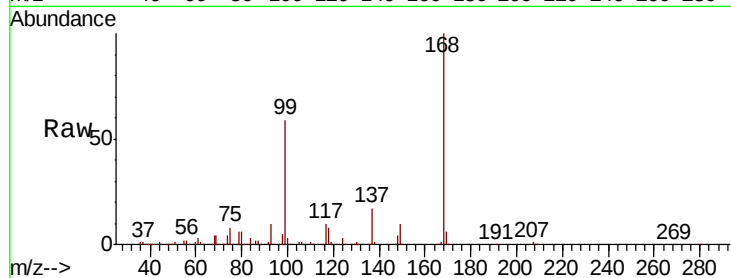
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 274844

Ion Ratio Lower Upper

168 100

99 58.6 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

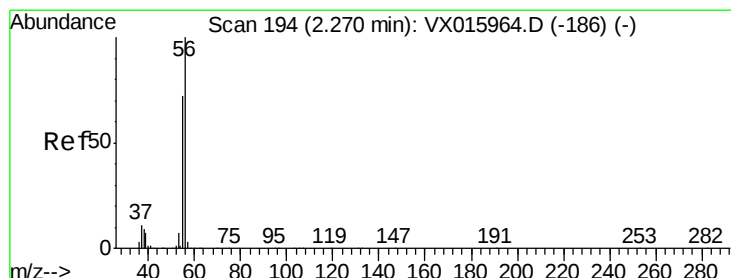
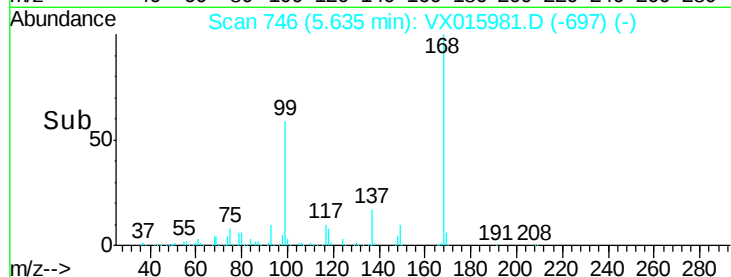
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#13

Acrolein

Concen: 1.373 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX015981.D

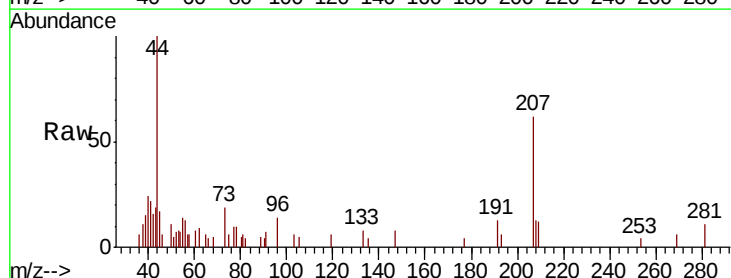
Acq: 29 Apr 2020 16:48

Tgt Ion: 56 Resp: 301

Ion Ratio Lower Upper

56 100

55 33.2 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

300

250

200

150

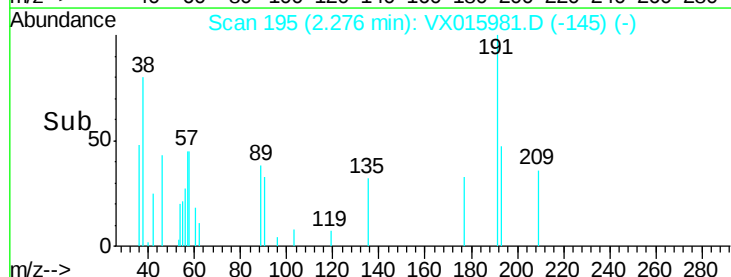
100

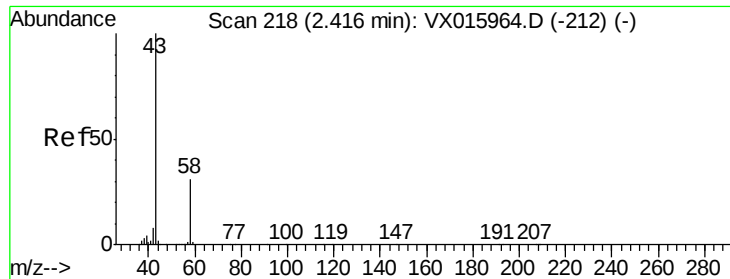
50

0

Time-->

2.25 2.30





#16

Acetone

Concen: 0.351 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX015981.D

Acq: 29 Apr 2020 16:48

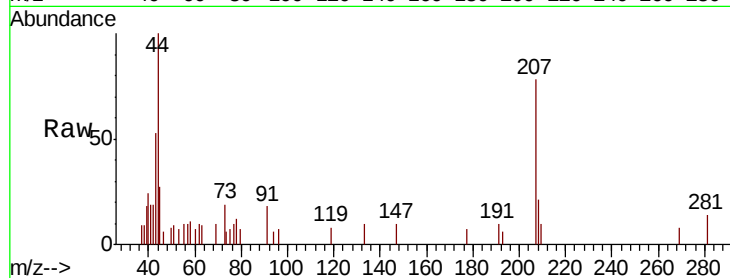
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43.00 Resp: 539

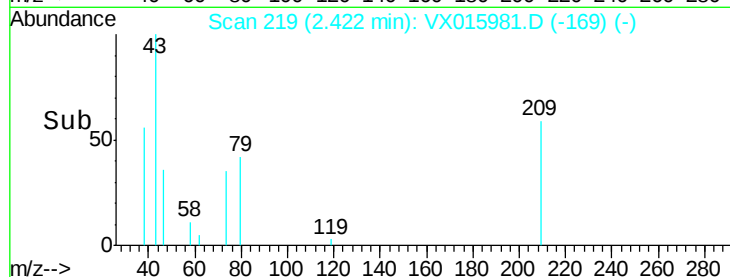
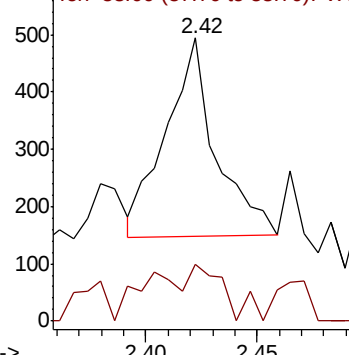
Ion Ratio Lower Upper

43 100

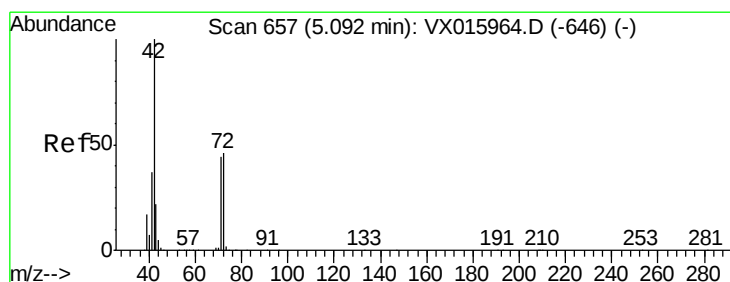
58 13.4 25.1 37.7#



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



Time-->



#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX015981.D

Acq: 29 Apr 2020 16:48

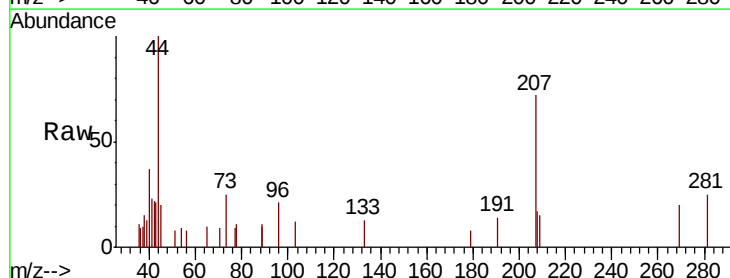
Tgt Ion: 42.00 Resp: 355

Ion Ratio Lower Upper

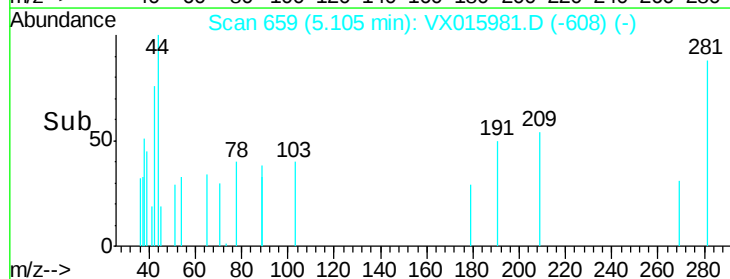
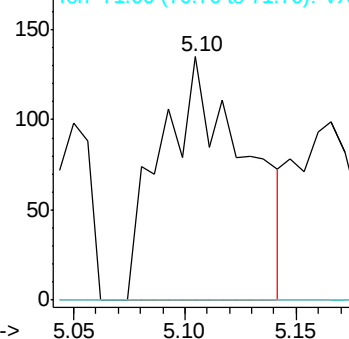
42 100

72 0.0 37.4 56.0#

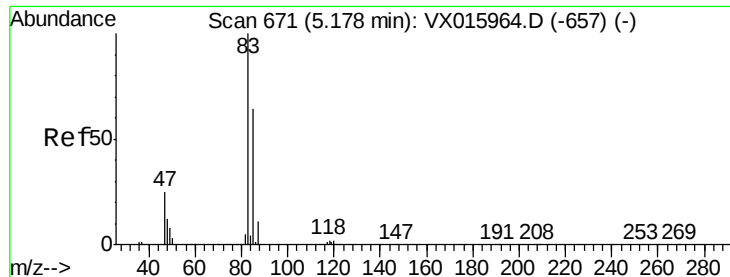
71 0.0 34.6 52.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



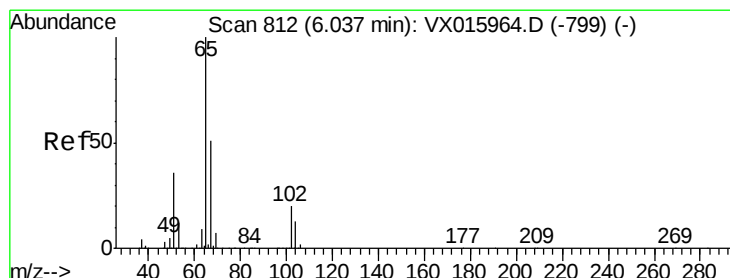
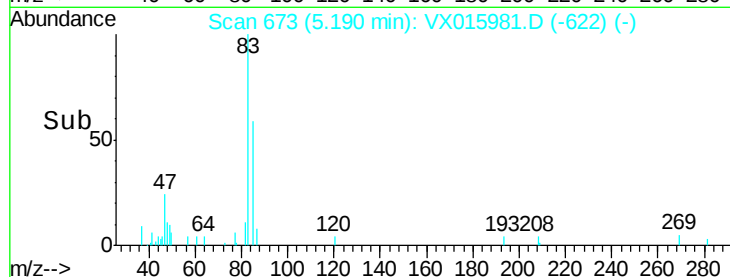
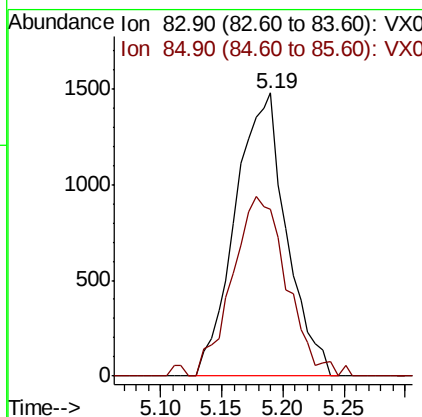
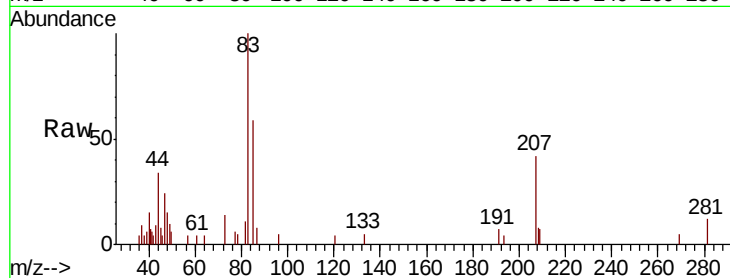
Time-->



#30
Chloroform
Concen: 0.796 ug/l
RT: 5.19 min Scan# 673
Delta R.T. 0.01 min
Lab File: VX015981.D
Acq: 29 Apr 2020 16:48

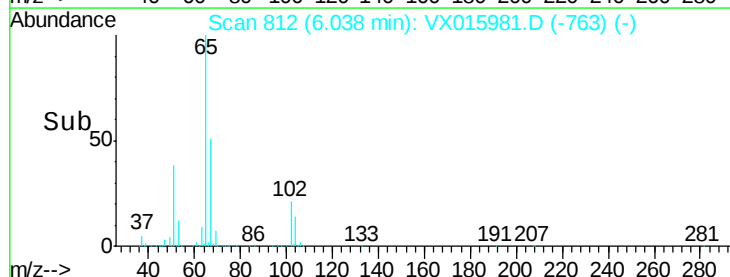
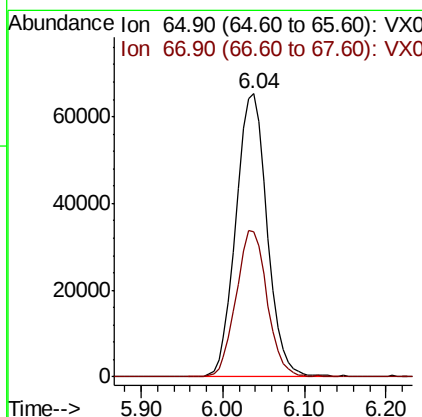
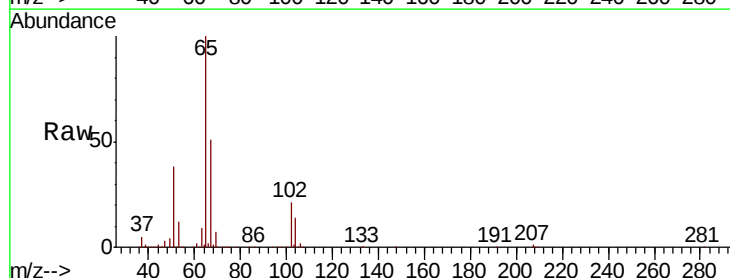
Instrument :
MSVOA_X
ClientSampleId :

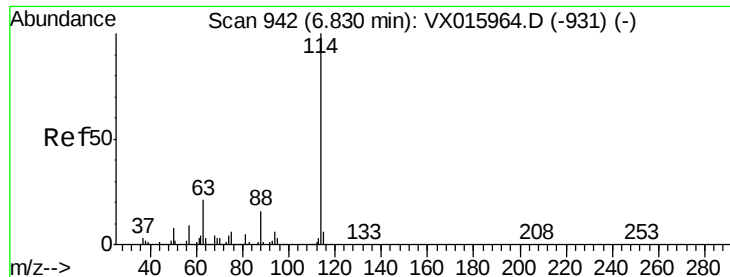
Tot Ion: 83 Resp: 4301
Ion Ratio Lower Upper
83 100
85 59.0 51.0 76.4



#33
1,2-Dichloroethane-d4
Concen: 48.320 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.00 min
Lab File: VX015981.D
Acq: 29 Apr 2020 16:48

Tgt Ion: 65 Resp: 173638
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX015981.D

Acq: 29 Apr 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

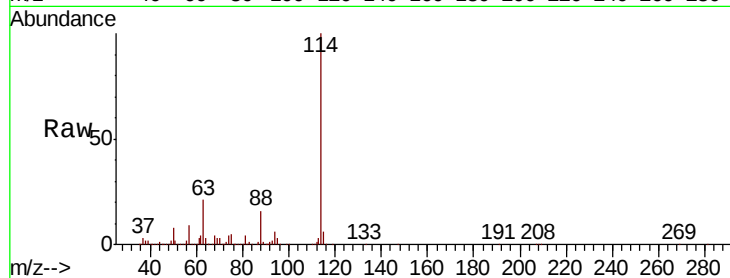
Tot Ion:114 Resp: 445354

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.2

88 15.7 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

250000

200000

150000

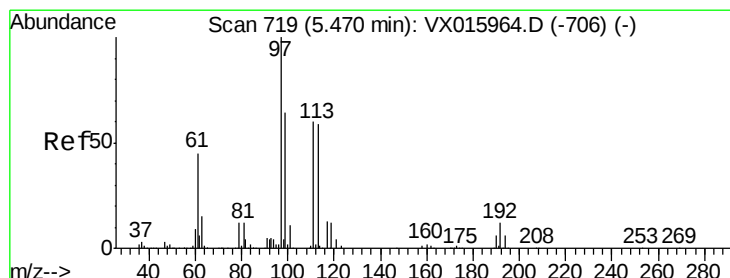
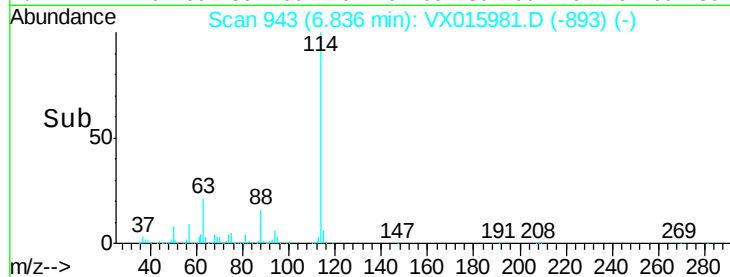
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 47.873 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015981.D

Acq: 29 Apr 2020 16:48

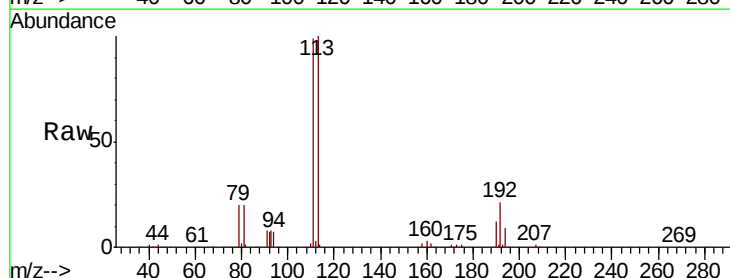
Tgt Ion:113 Resp: 132999

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

192 21.1 16.8 25.2



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

60000

50000

40000

30000

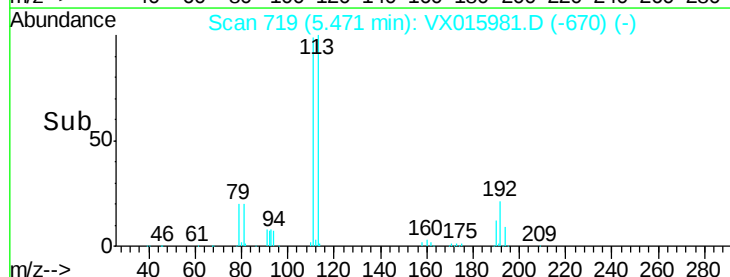
20000

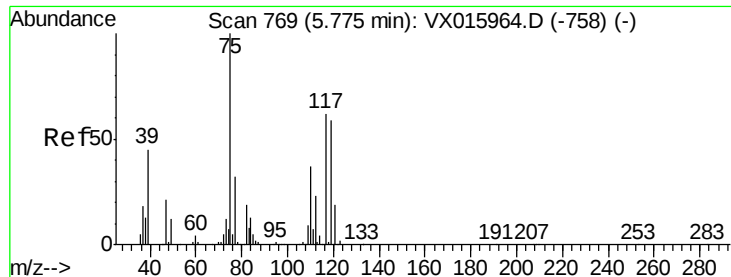
10000

0

5.30 5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 5.172 ug/l

RT: 5.63 min Scan# 745

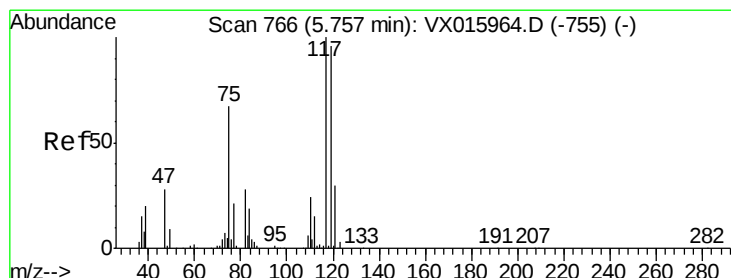
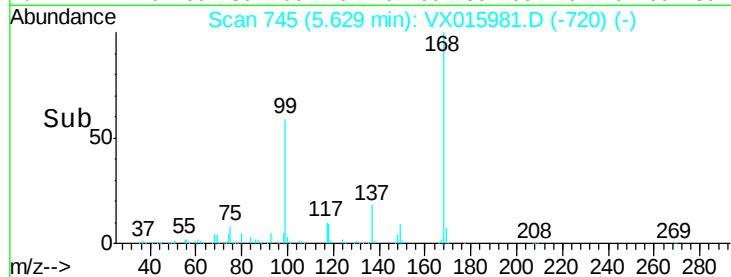
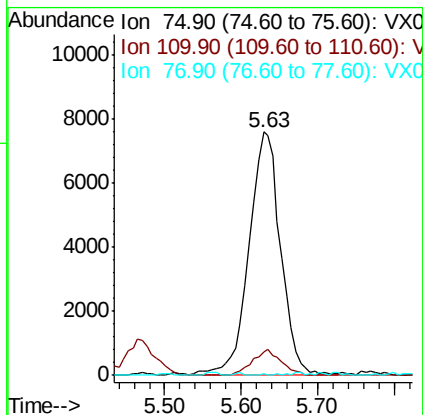
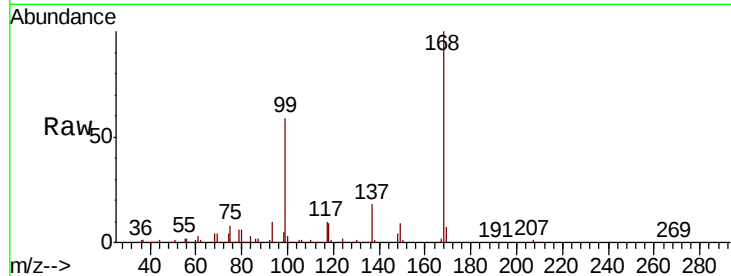
Delta R.T. -0.15 min

Lab File: VX015981.D

Acq: 29 Apr 2020 16:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	21939
Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.9	53.7#
77	0.1	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 6.022 ug/l

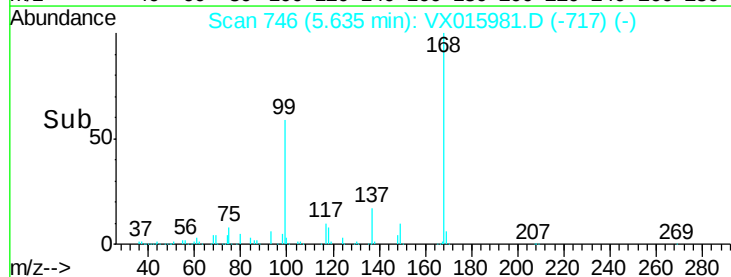
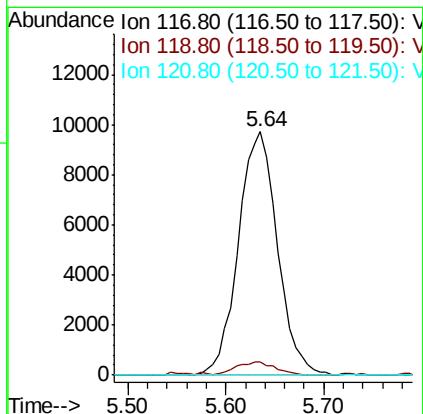
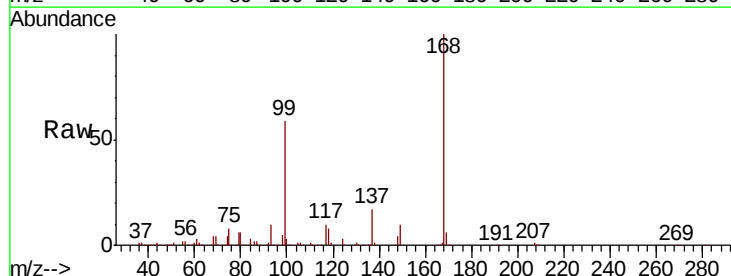
RT: 5.64 min Scan# 746

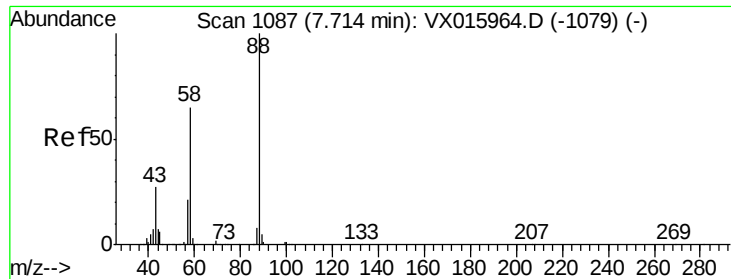
Delta R.T. -0.12 min

Lab File: VX015981.D

Acq: 29 Apr 2020 16:48

Tgt Ion:	117	Resp:	26982
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.2	114.4#
121	0.0	24.2	36.4#

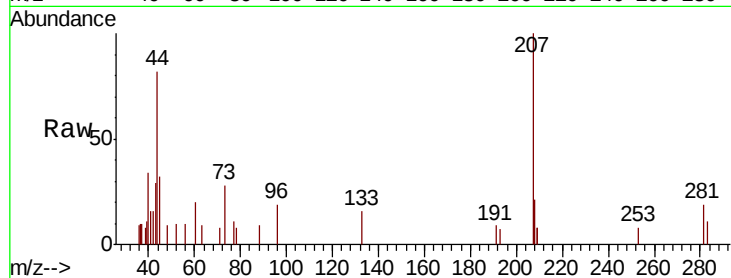




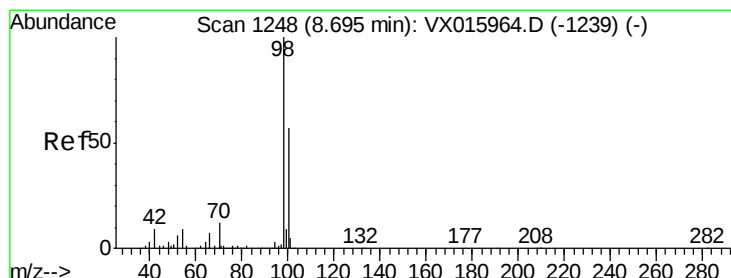
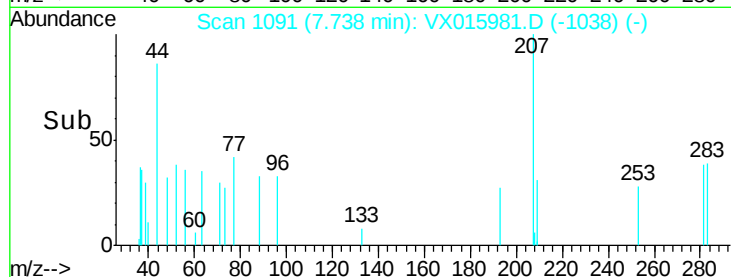
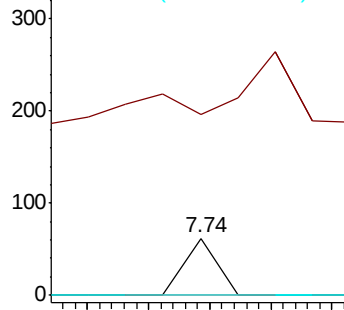
#49
1,4-Dioxane
Concen: 0.263 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VX015981.D
Acq: 29 Apr 2020 16:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 560.9 26.6 39.8#
58 0.0 54.8 82.2#

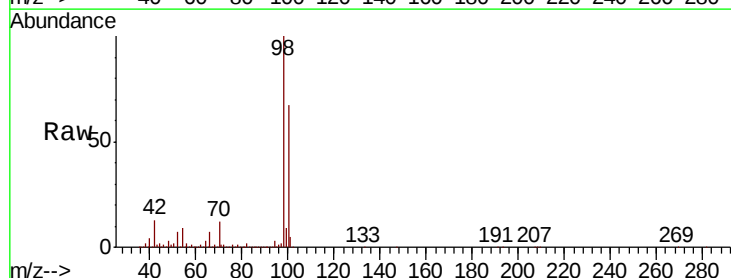


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

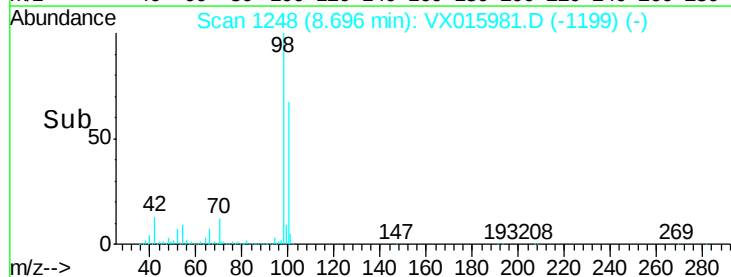
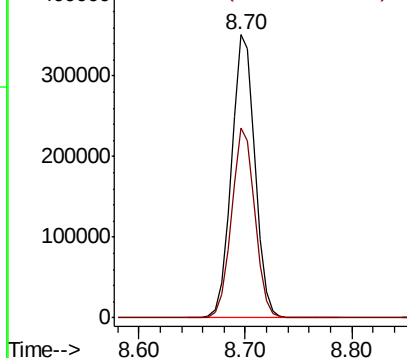


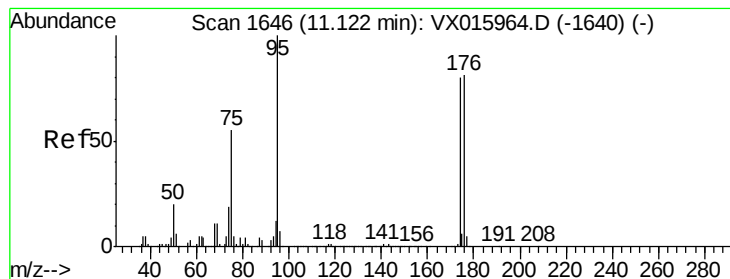
#50
Toluene-d8
Concen: 52.258 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX015981.D
Acq: 29 Apr 2020 16:48

Tgt Ion: 98 Resp: 542812
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.363 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015981.D

Acq: 29 Apr 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

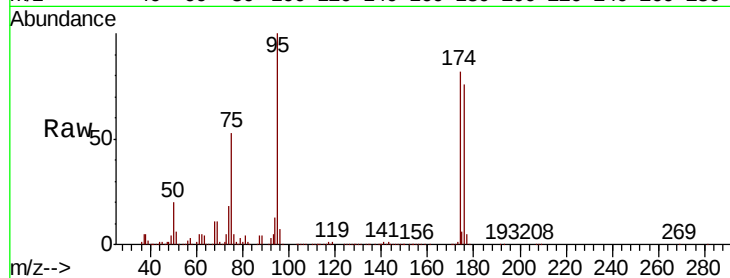
Tot Ion: 95 Resp: 217401

Ion Ratio Lower Upper

95 100

174 82.2 0.0 165.0

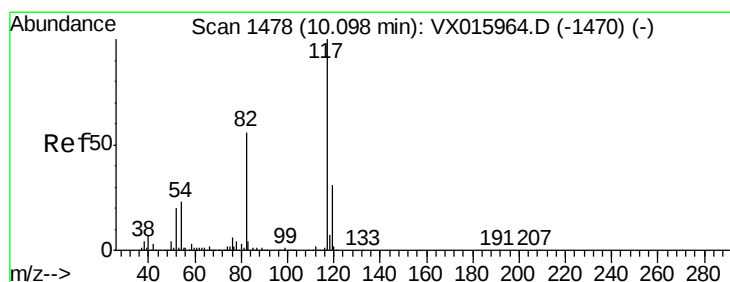
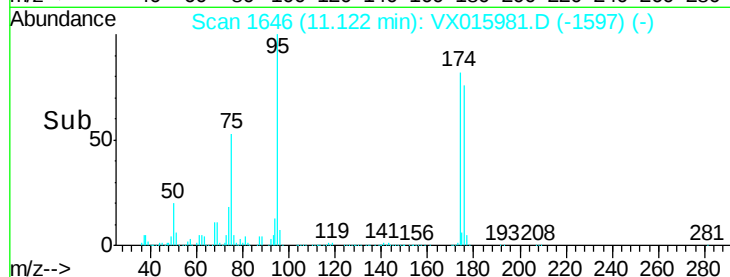
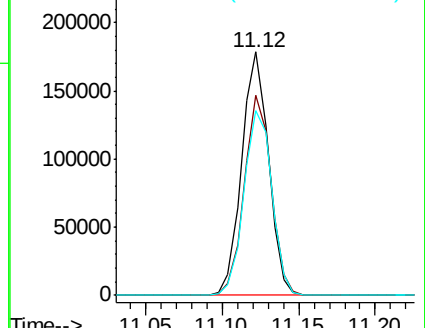
176 79.2 0.0 163.2



Abundance Ion 94.90 (94.60 to 95.60): VX015981.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX015981.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX015981.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015981.D

Acq: 29 Apr 2020 16:48

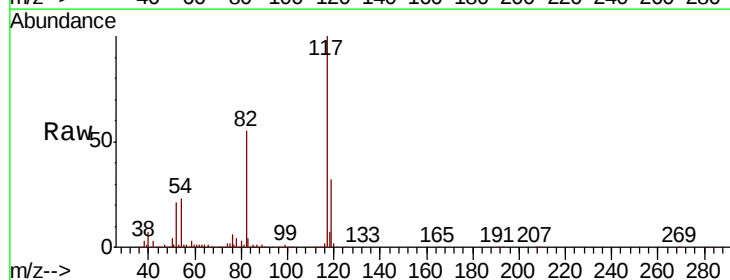
Tgt Ion: 117 Resp: 432405

Ion Ratio Lower Upper

117 100

82 55.1 44.5 66.7

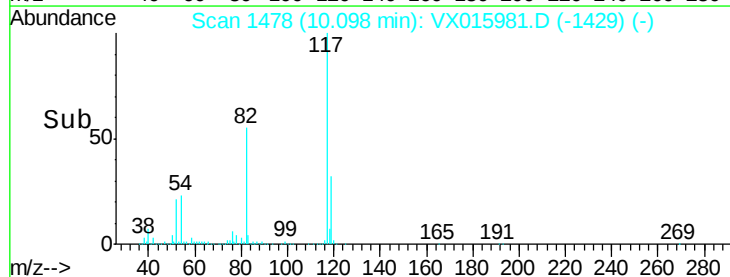
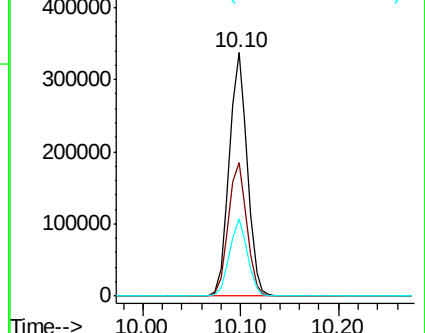
119 31.6 25.0 37.6

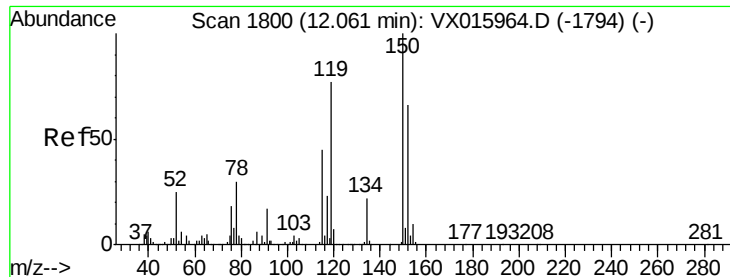


Abundance Ion 116.90 (116.60 to 117.60): VX015981.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX015981.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX015981.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX015981.D

Acq: 29 Apr 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

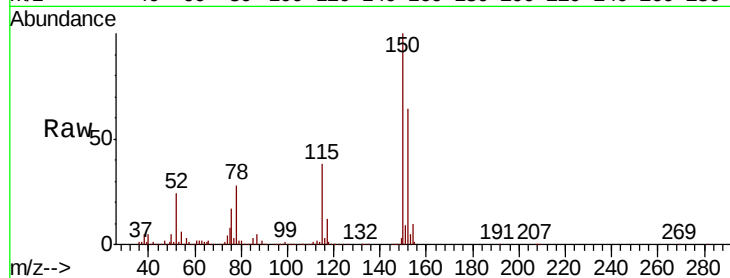
Tot Ion:152 Resp: 227709

Ion Ratio Lower Upper

152 100

115 58.7 40.9 122.7

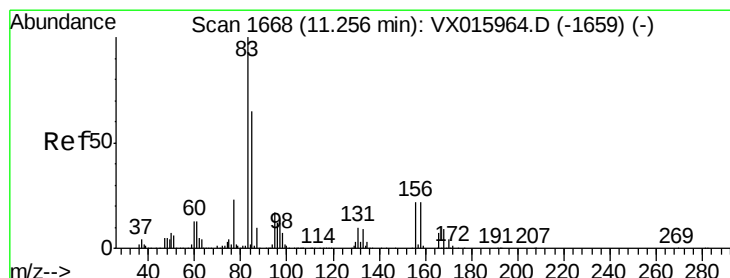
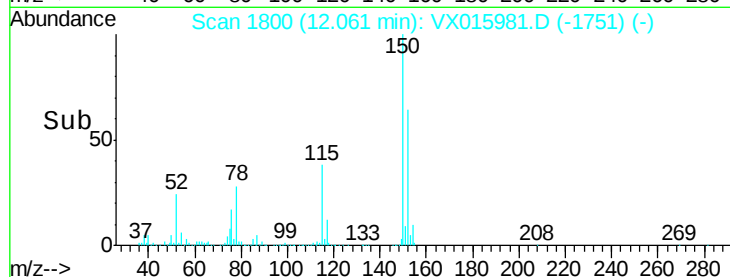
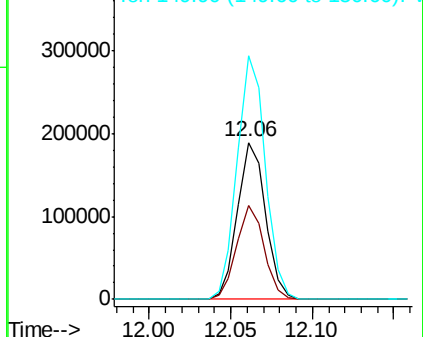
150 156.5 0.0 342.4



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: 3.772 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX015981.D

Acq: 29 Apr 2020 16:48

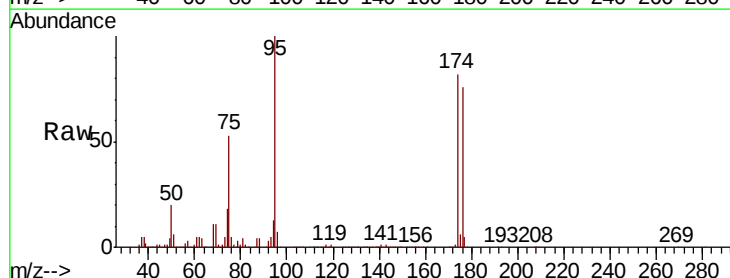
Tgt Ion: 83 Resp: 276

Ion Ratio Lower Upper

83 100

131 121.7 5.1 15.4#

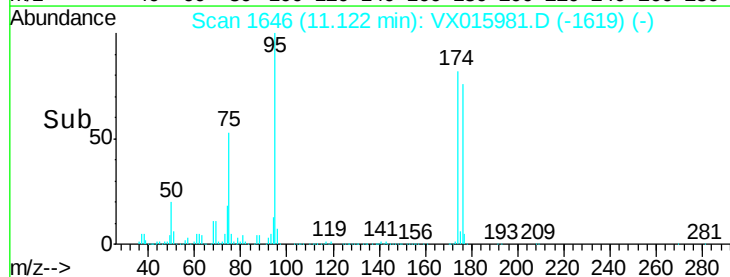
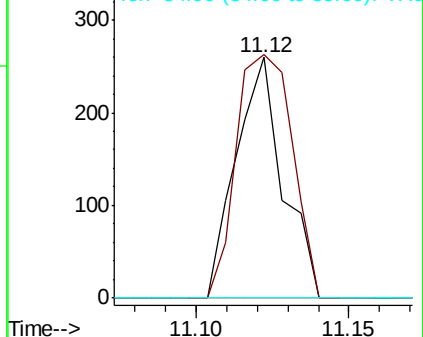
85 0.0 32.2 96.6#

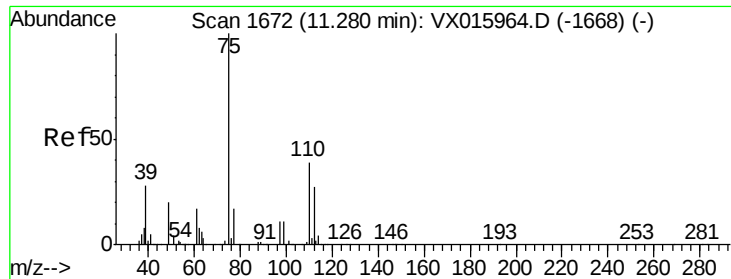


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 24.330 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015981.D

Acq: 29 Apr 2020 16:48

Instrument :

MSVOA_X

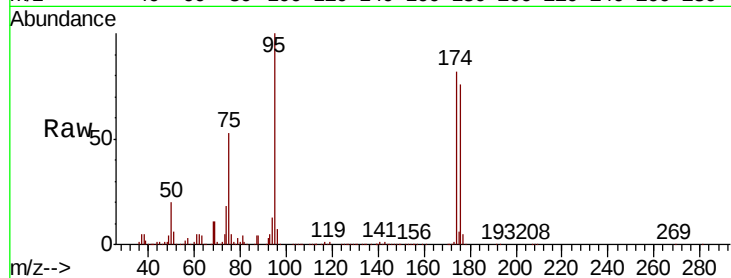
ClientSampleId :

Tot Ion: 75 Resp: 116253

Ion Ratio Lower Upper

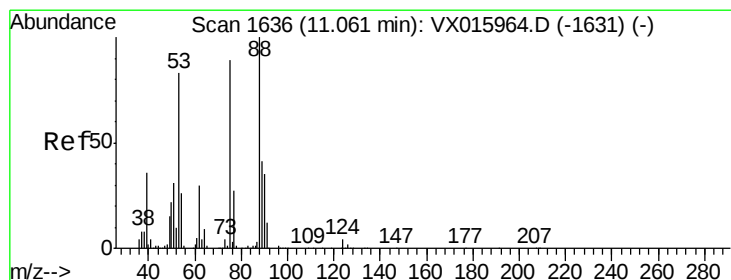
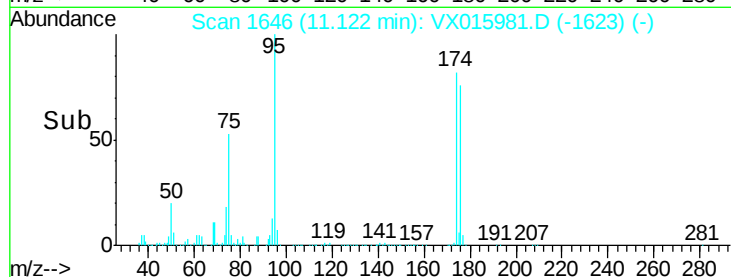
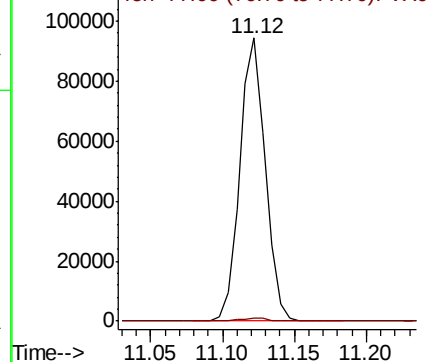
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 57.496 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015981.D

Acq: 29 Apr 2020 16:48

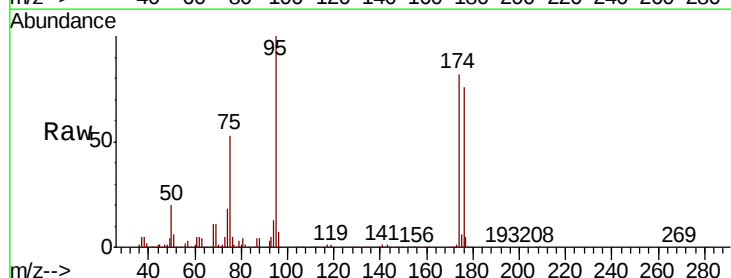
Tgt Ion: 75 Resp: 116253

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

89 0.1 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

