

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016011.D
 Acq On : 01 May 2020 15:08
 Operator : JC/SP
 Sample : L2470-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 02 06:59:33 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	281799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	459063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	440645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	226735	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	178723	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	5.47	113	136182	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	8.70	98	555846	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.12	95	225531	53.71	ug/l	0.00
Spiked Amount			Recovery	=	107.42%	

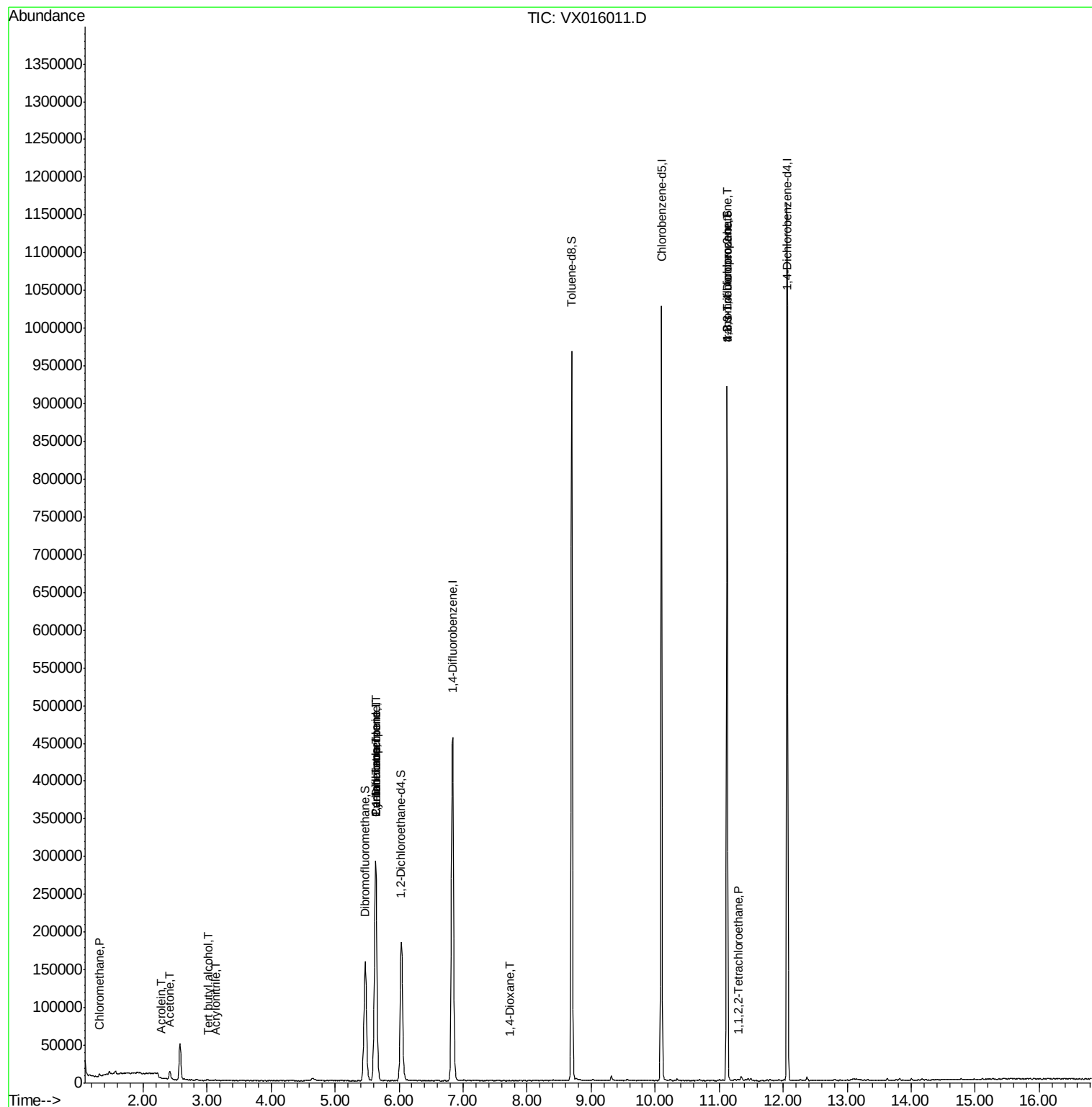
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2019	0.661	ug/l	97
11) Tert butyl alcohol	3.01	59	698	0.780	ug/l #	89
13) Acrolein	2.27	56	328	1.459	ug/l #	80
15) Acrylonitrile	3.12	53	510	0.288	ug/l	93
16) Acetone	2.42	43	11624	7.378	ug/l	98
31) Cyclohexane	5.64	56	5756	1.214	ug/l #	3
36) 1,1-Dichloropropene	5.63	75	21879	5.004	ug/l #	50
38) Carbon Tetrachloride	5.63	117	27567	5.969	ug/l #	17
49) 1,4-Dioxane	7.73	88	40	0.444	ug/l #	24
75) 1,1,2,2-Tetrachloroethane	11.30	83	24	3.707	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	116734	24.536	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	116734	57.982	ug/l #	10

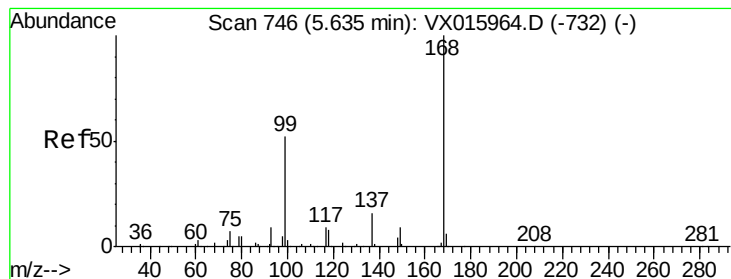
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX016011.D

Acq: 01 May 2020 15:08

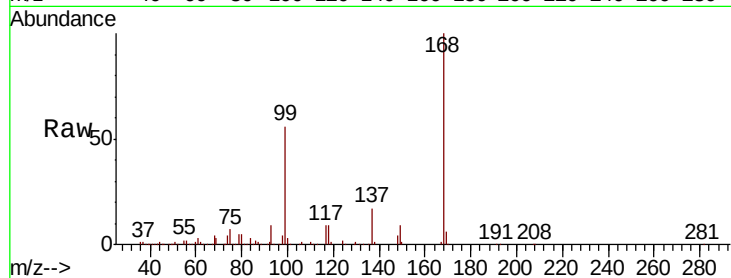
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 281799

Ion Ratio Lower Upper

168 100

99 55.7 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

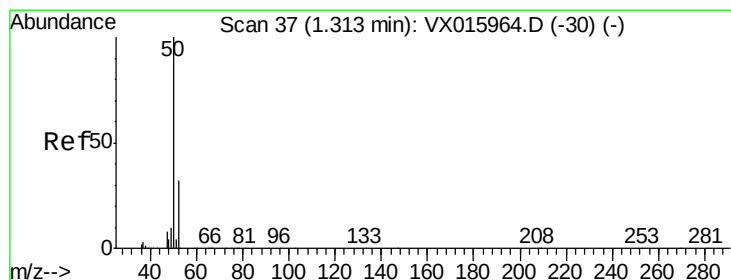
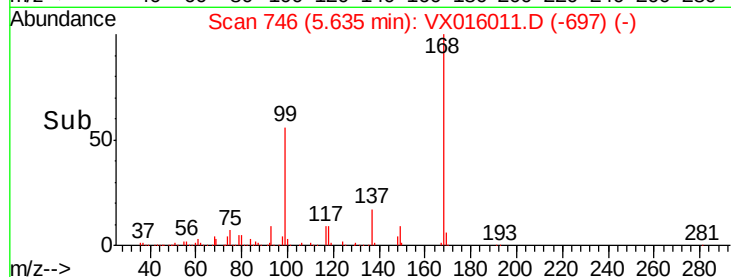
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.661 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016011.D

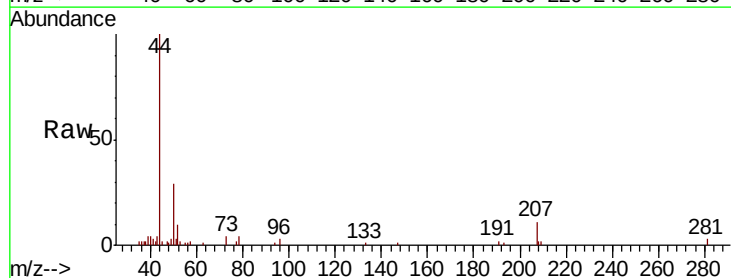
Acq: 01 May 2020 15:08

Tgt Ion: 50 Resp: 2019

Ion Ratio Lower Upper

50 100

52 33.8 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

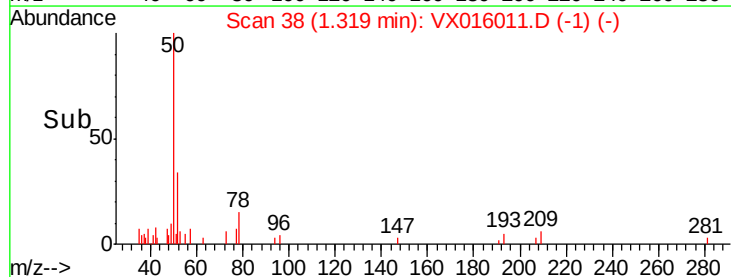
1500

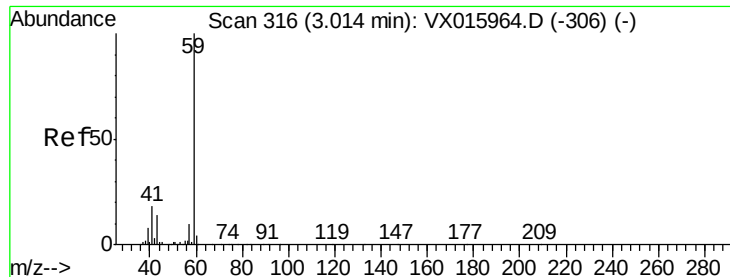
1000

500

0

Time-->



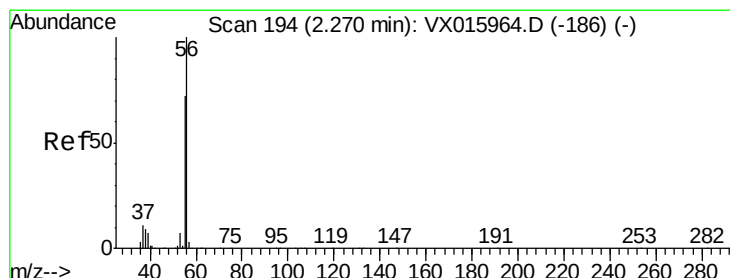
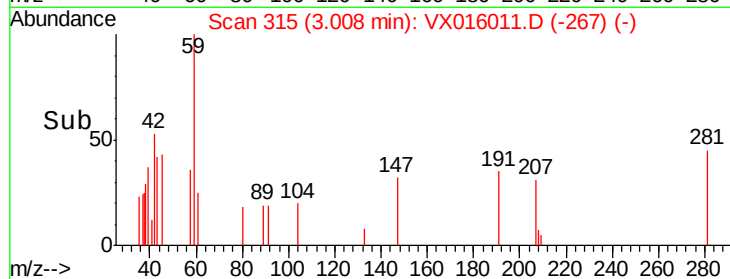
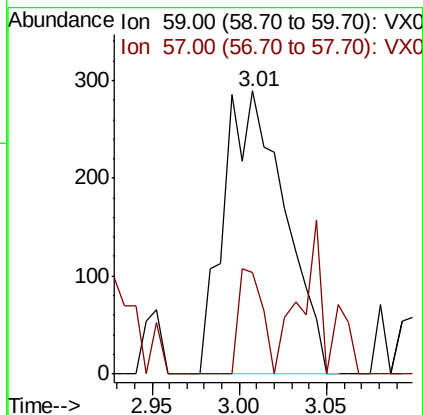
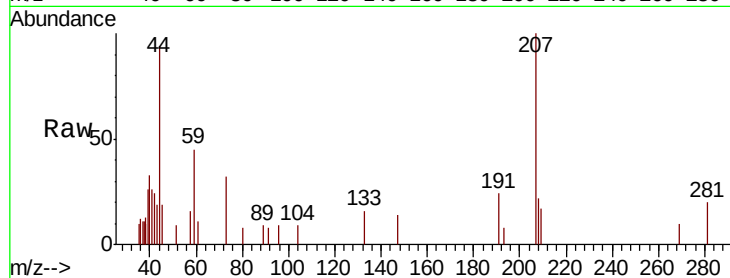


#11

Tert butyl alcohol
Concen: 0.780 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016011.D
Acq: 01 May 2020 15:08

Instrument :
MSVOA_X
ClientSampleId :

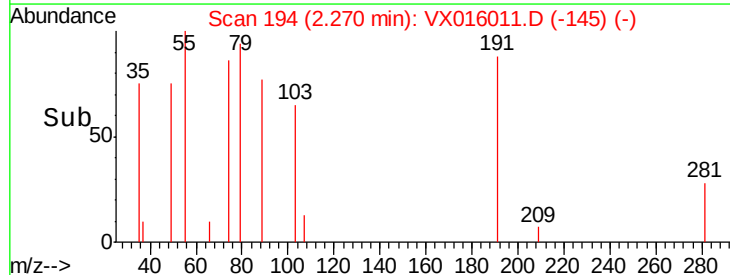
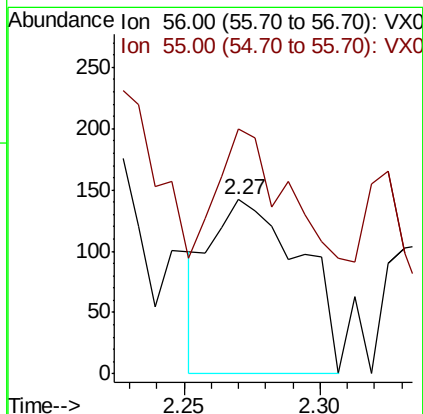
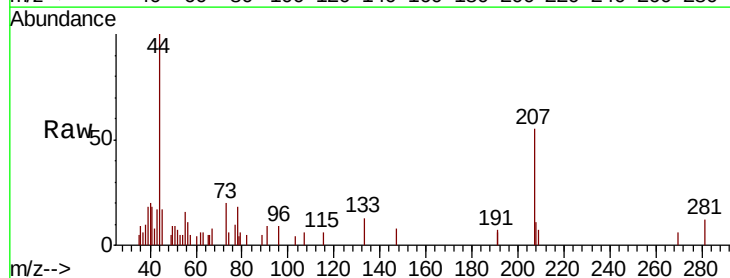
Tot Ion: 59 Resp: 698
Ion Ratio Lower Upper
59 100
57 14.5 8.3 12.5#

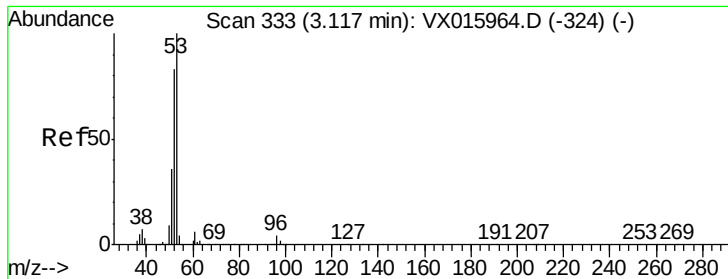


#13

Acrolein
Concen: 1.459 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX016011.D
Acq: 01 May 2020 15:08

Tgt Ion: 56 Resp: 328
Ion Ratio Lower Upper
56 100
55 54.3 56.9 85.3#





#15

Acrylonitrile

Concen: 0.288 ug/l

RT: 3.12 min Scan# 334

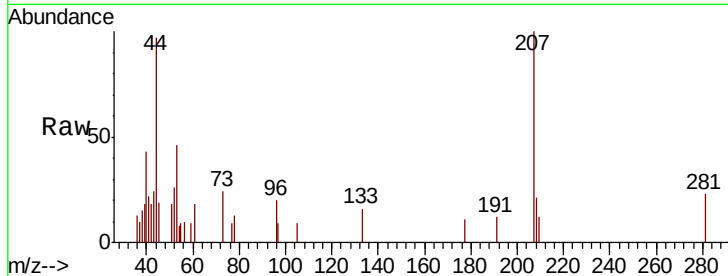
Delta R.T. 0.01 min

Lab File: VX016011.D

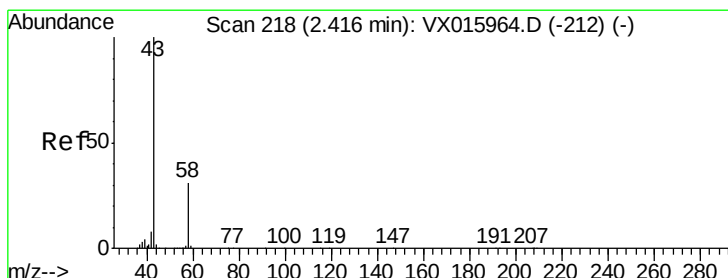
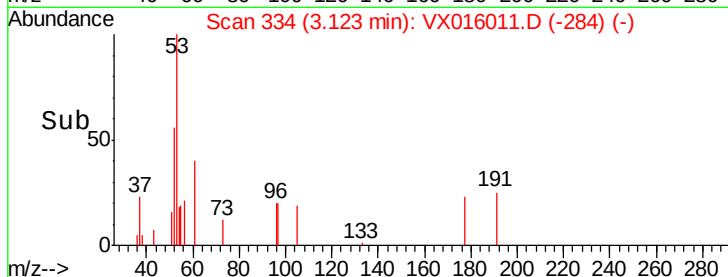
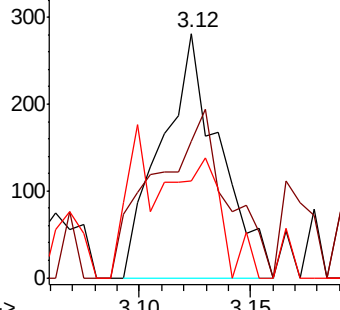
Acq: 01 May 2020 15:08

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	53	Resp:	510
Ion	Ratio	Lower	Upper
53	100		
52	85.7	65.5	98.3
51	29.0	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: 7.378 ug/l

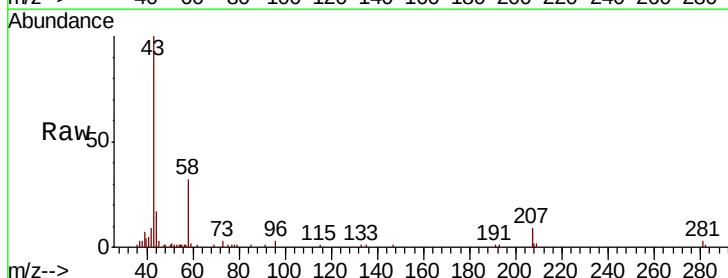
RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

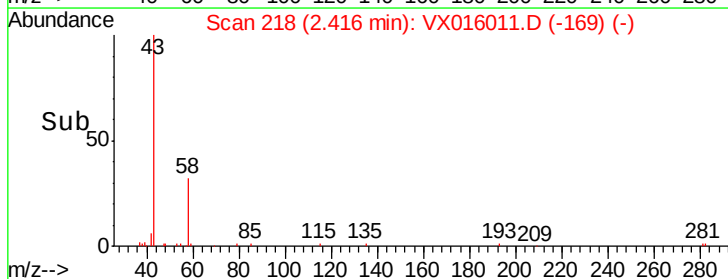
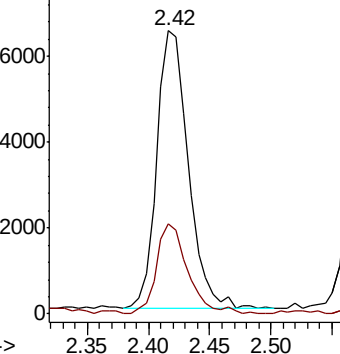
Lab File: VX016011.D

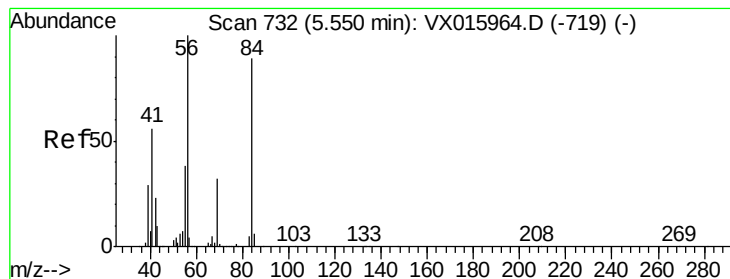
Acq: 01 May 2020 15:08

Tgt Ion:	43	Resp:	11624
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.1	37.7



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





#31

Cyclohexane

Concen: 1.214 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016011.D

Acq: 01 May 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

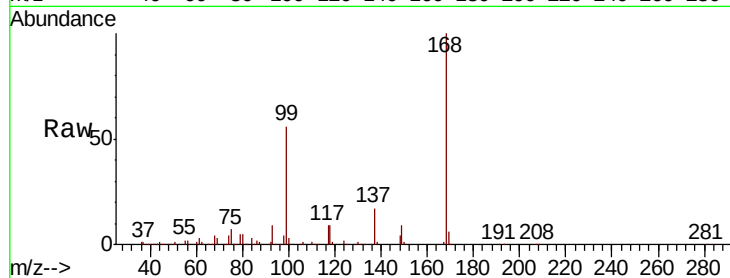
Tot Ion: 56 Resp: 5756

Ion Ratio Lower Upper

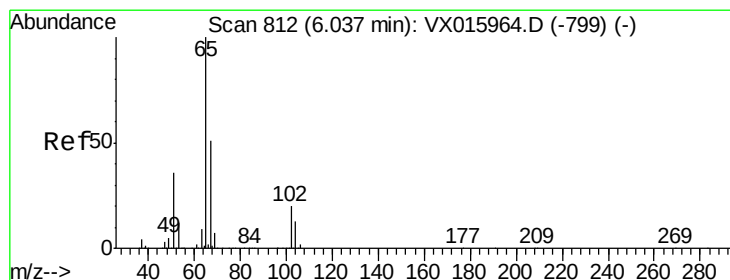
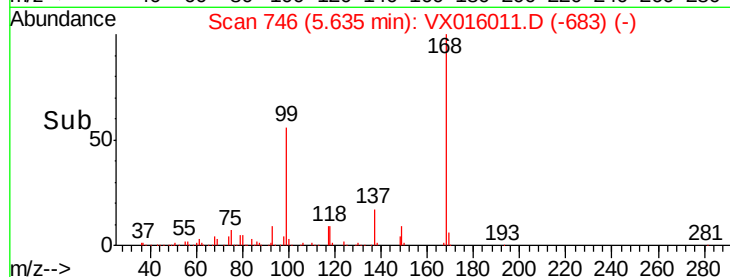
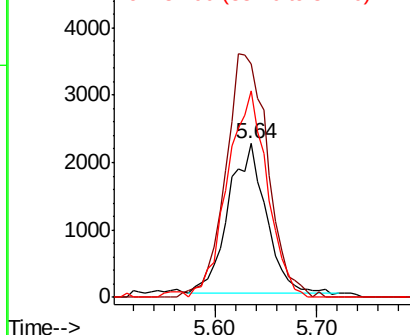
56 100

69 155.9 25.4 38.2#

84 137.7 71.0 106.6#



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: 48.508 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX016011.D

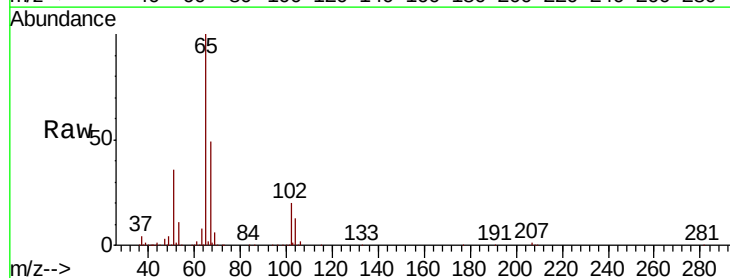
Acq: 01 May 2020 15:08

Tgt Ion: 65 Resp: 178723

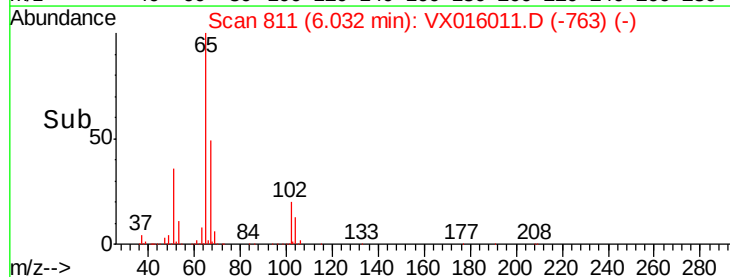
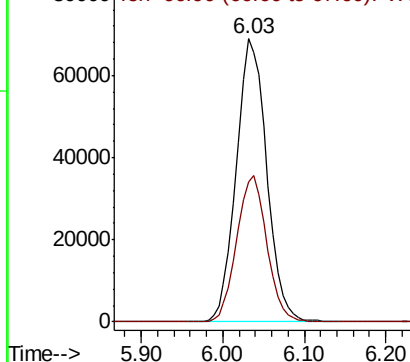
Ion Ratio Lower Upper

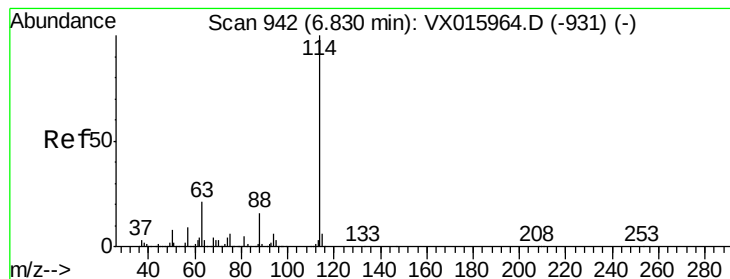
65 100

67 51.2 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: VX016011.D

Acq: 01 May 2020 15:08

Instrument :

MSVOA_X

ClientSampled :

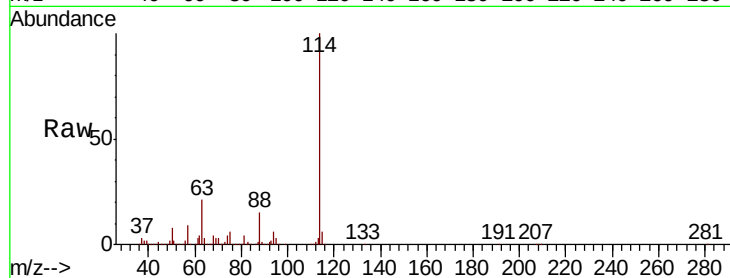
Tot Ion:114 Resp: 459063

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.2

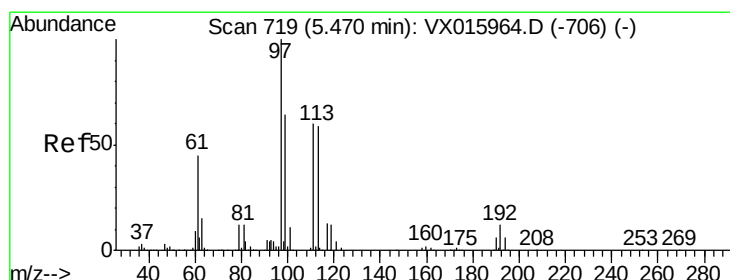
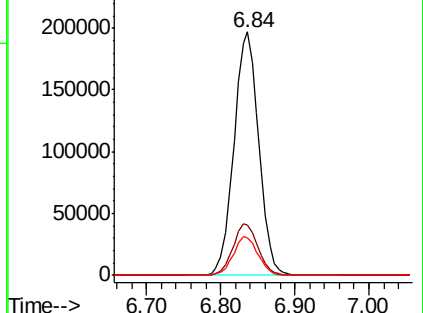
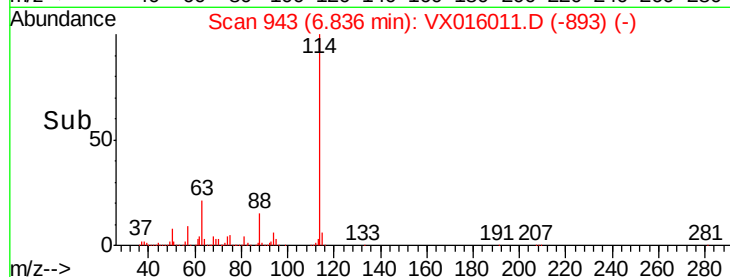
88 15.5 0.0 31.8



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: 47.555 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016011.D

Acq: 01 May 2020 15:08

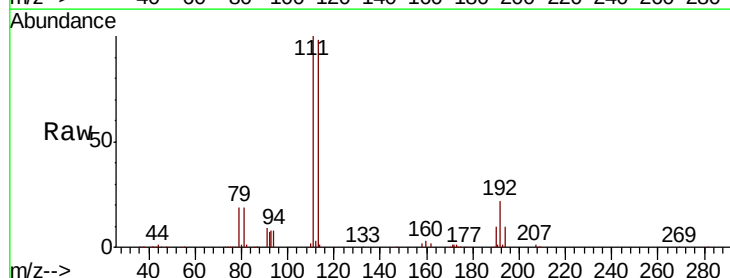
Tgt Ion:113 Resp: 136182

Ion Ratio Lower Upper

113 100

111 100.9 81.8 122.8

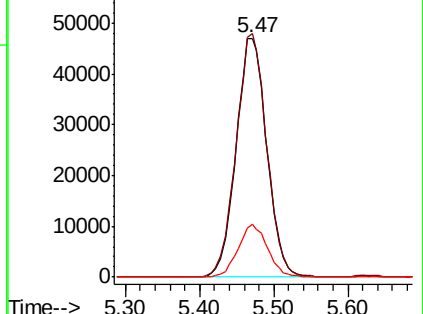
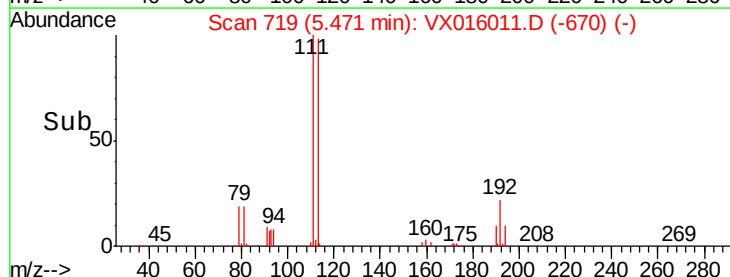
192 21.3 16.8 25.2

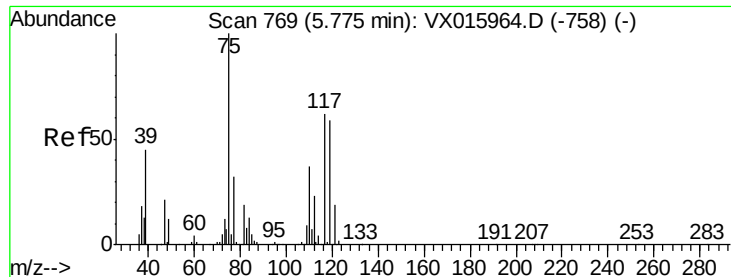


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.004 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.15 min

Lab File: VX016011.D

Acq: 01 May 2020 15:08

Instrument :

MSVOA_X

ClientSampled :

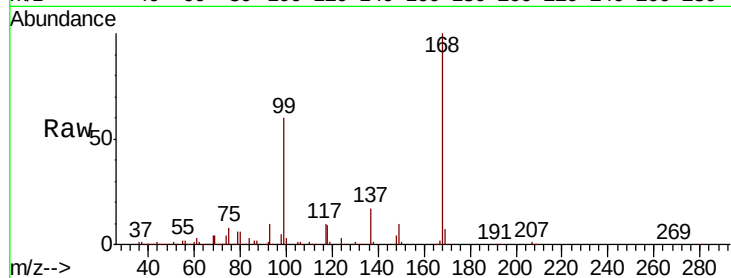
Tot Ion: 75 Resp: 21879

Ion Ratio Lower Upper

75 100

110 9.5 17.9 53.7#

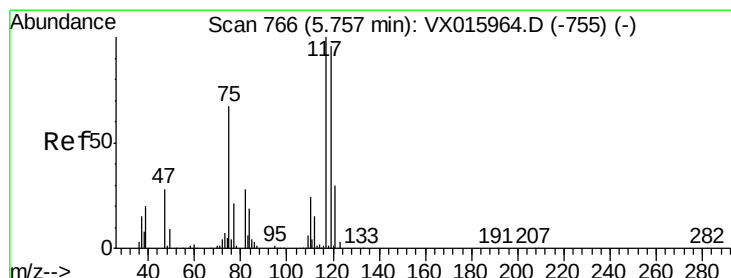
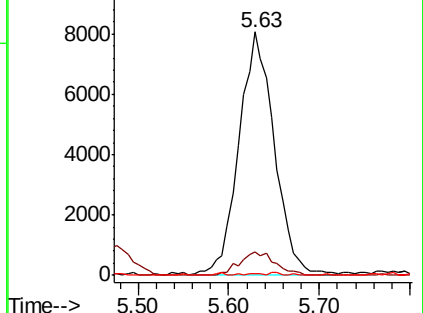
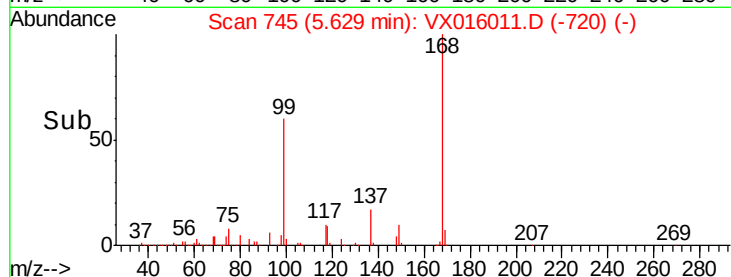
77 0.4 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.969 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016011.D

Acq: 01 May 2020 15:08

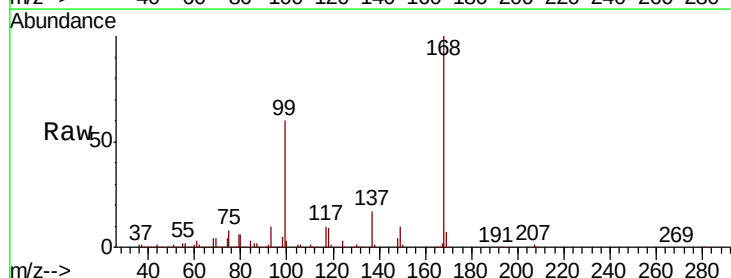
Tgt Ion: 117 Resp: 27567

Ion Ratio Lower Upper

117 100

119 5.9 76.2 114.4#

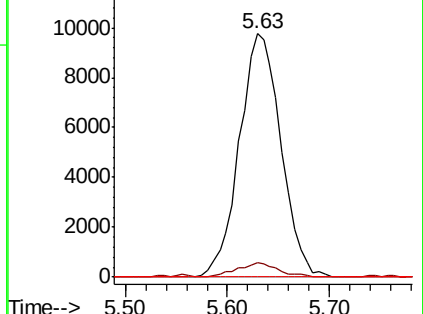
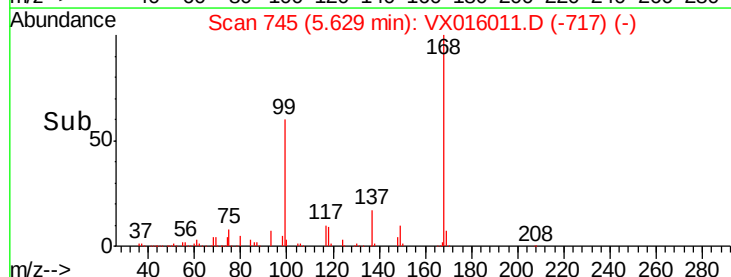
121 0.0 24.2 36.4#

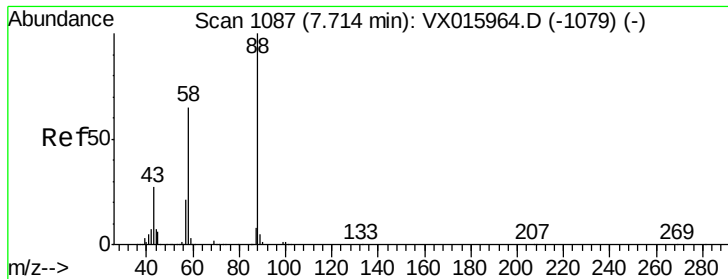


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

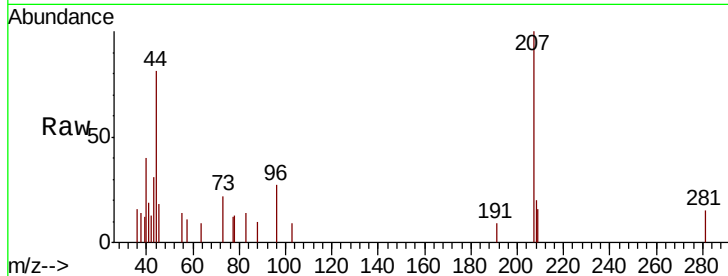




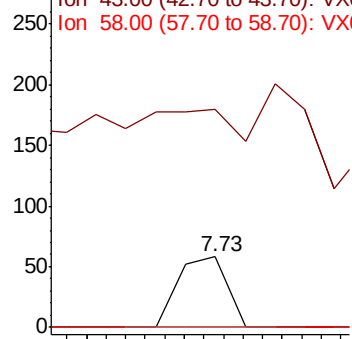
#49
1,4-Dioxane
Concen: 0.444 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX016011.D
Acq: 01 May 2020 15:08

Instrument :
MSVOA_X
ClientSampled :

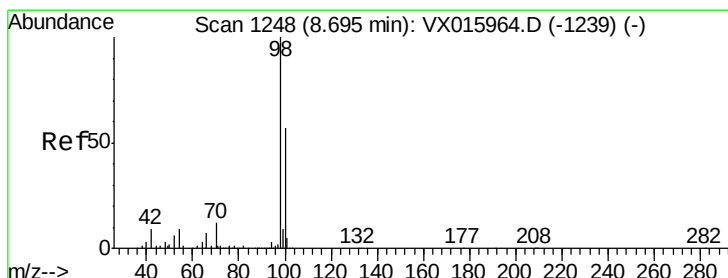
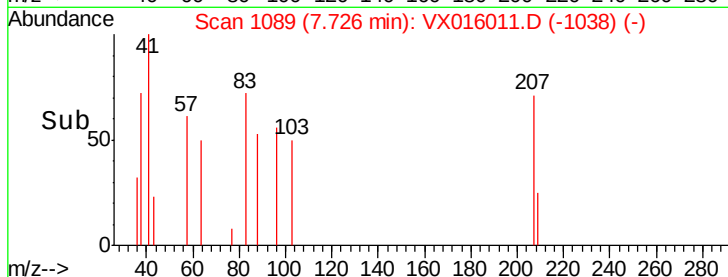
Tot Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8#
58 0.0 54.8 82.2#



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

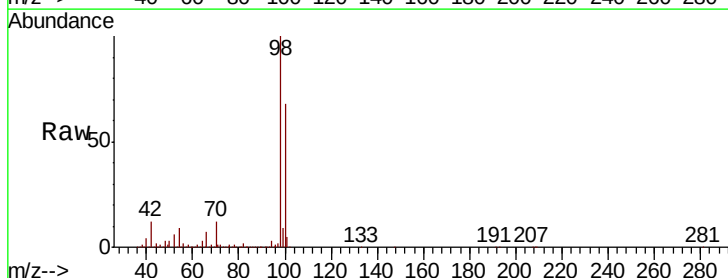


Time-->

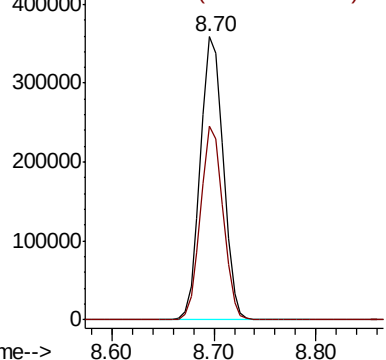


#50
Toluene-d8
Concen: 51.915 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016011.D
Acq: 01 May 2020 15:08

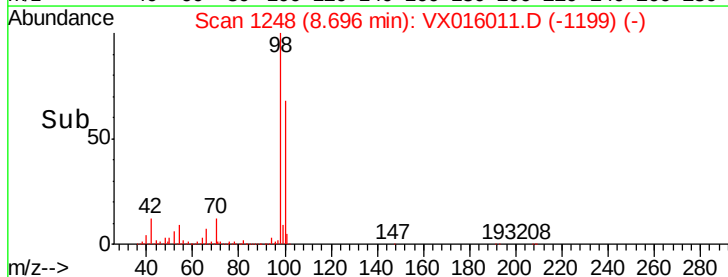
Tgt Ion: 98 Resp: 555846
Ion Ratio Lower Upper
98 100
100 67.3 53.1 79.7

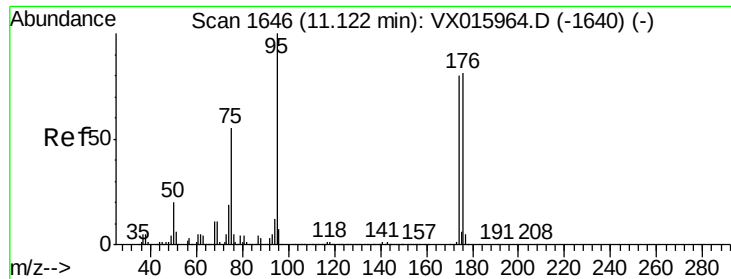


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V



Time-->





#62

4-Bromofluorobenzene

Concen: 53.705 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016011.D

Acq: 01 May 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

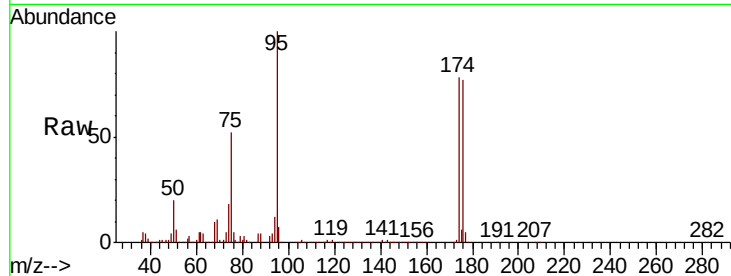
Tot Ion: 95 Resp: 225531

Ion Ratio Lower Upper

95 100

174 79.5 0.0 165.0

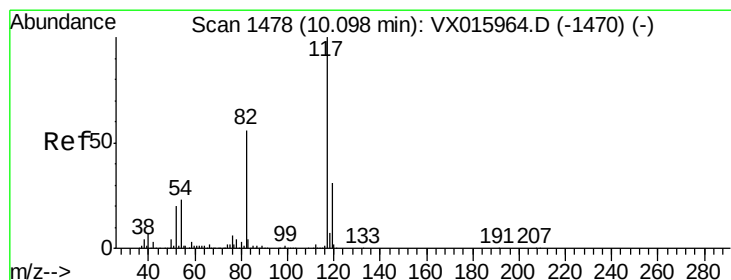
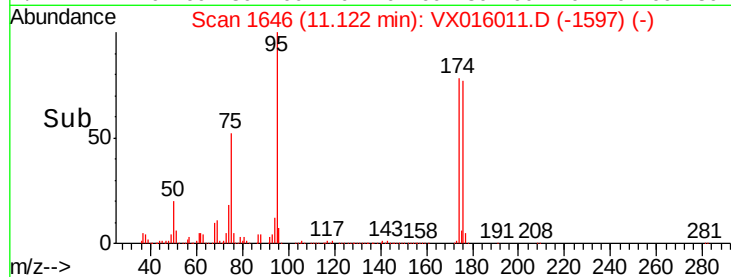
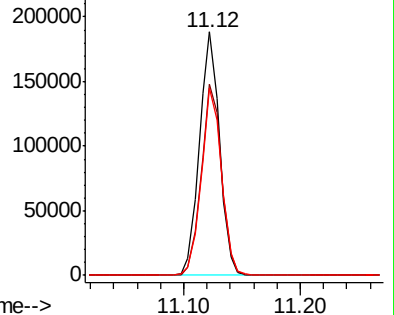
176 77.3 0.0 163.2



Abundance Ion 94.90 (94.60 to 95.60): VX015964.D (-1640) (-)

Ion 173.80 (173.50 to 174.50): VX015964.D (-1640) (-)

Ion 175.80 (175.50 to 176.50): VX015964.D (-1640) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016011.D

Acq: 01 May 2020 15:08

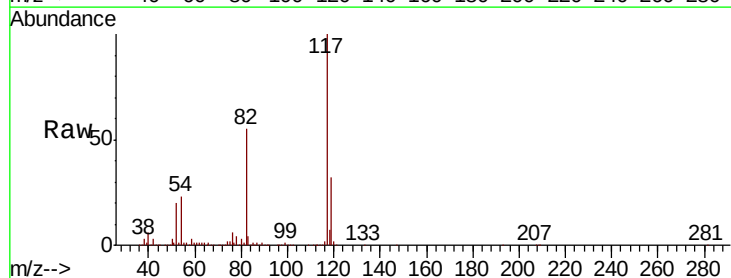
Tgt Ion: 117 Resp: 440645

Ion Ratio Lower Upper

117 100

82 55.4 44.5 66.7

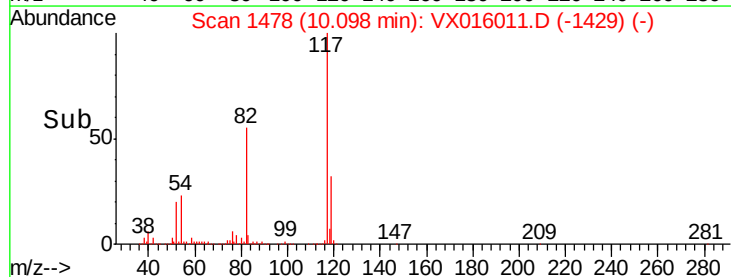
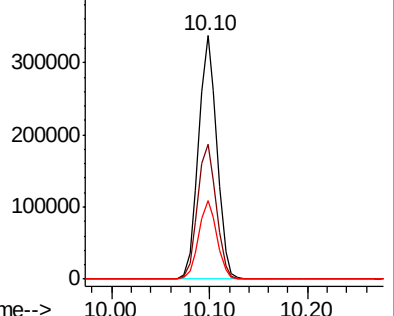
119 32.3 25.0 37.6

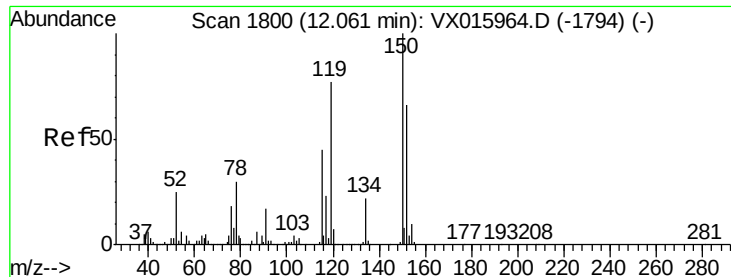


Abundance Ion 116.90 (116.60 to 117.60): VX015964.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX015964.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX015964.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016011.D

Acq: 01 May 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

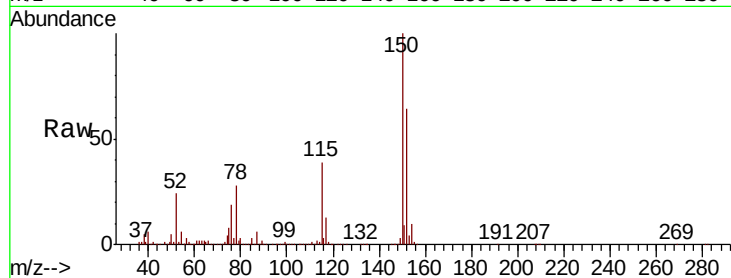
Tot Ion:152 Resp: 226735

Ion Ratio Lower Upper

152 100

115 58.4 40.9 122.7

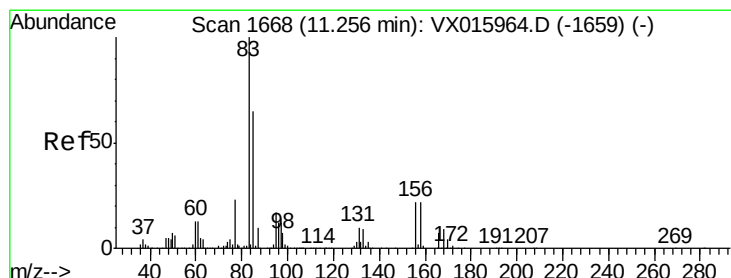
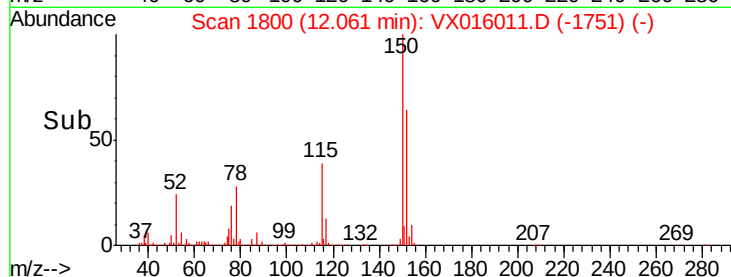
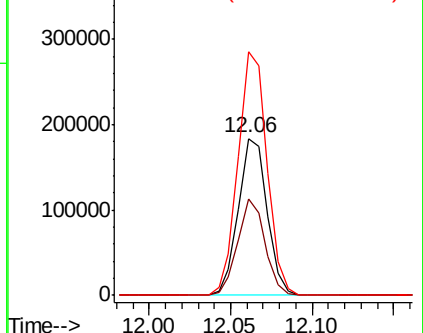
150 156.1 0.0 342.4



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: 3.707 ug/l

RT: 11.30 min Scan# 1676

Delta R.T. 0.05 min

Lab File: VX016011.D

Acq: 01 May 2020 15:08

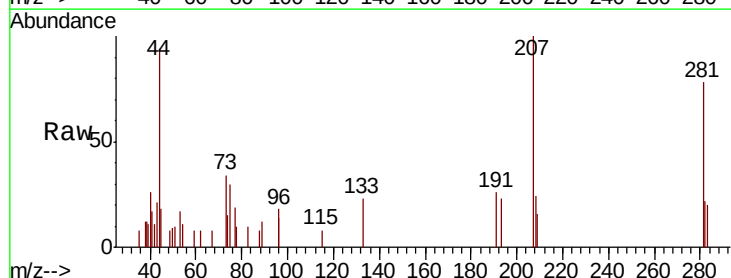
Tgt Ion: 83 Resp: 24

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

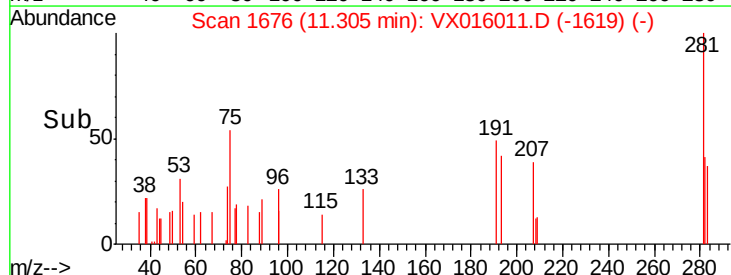
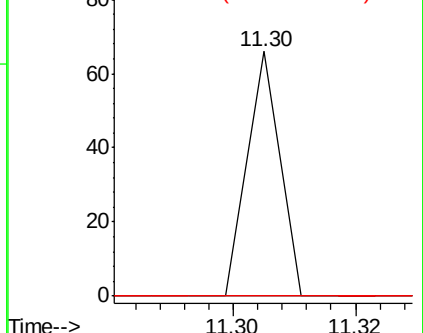
85 0.0 32.2 96.6#

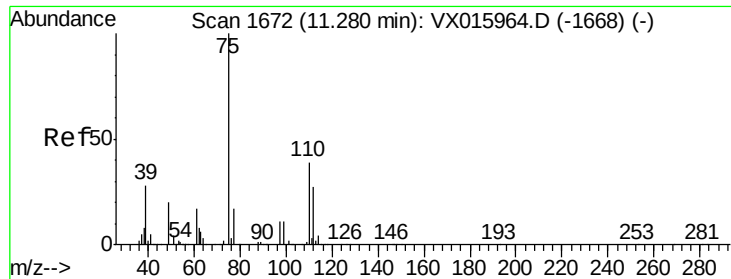


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

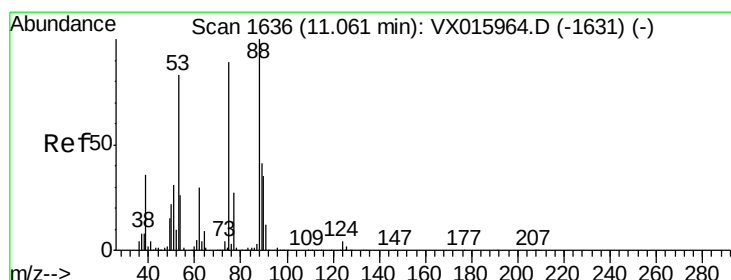
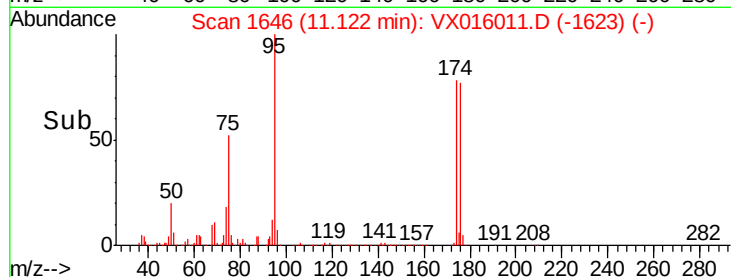
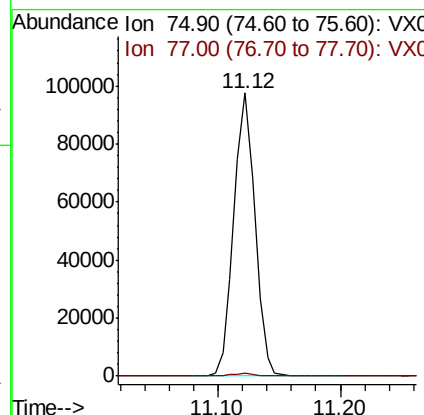
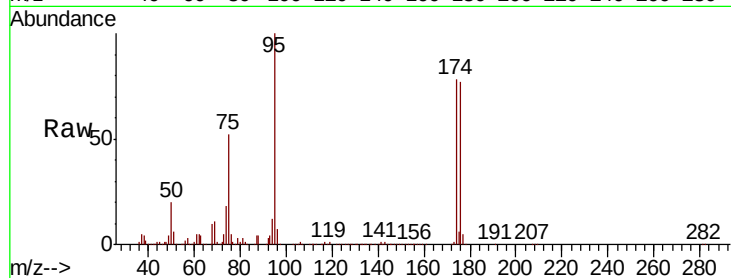




#76
 1,2,3-Trichloropropane
 Concen: 24.536 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016011.D
 Acq: 01 May 2020 15:08

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 116734
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.6 65.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.982 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016011.D
 Acq: 01 May 2020 15:08

Tgt Ion: 75 Resp: 116734
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.3 117.5#
 89 0.0 37.2 55.8#

