

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071720\
 Data File : VX017418.D
 Acq On : 17 Jul 2020 14:40
 Operator : JC/SP
 Sample : PB130263TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 18 06:58:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	236124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	418363	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	442072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	230455	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	168551	56.87	ug/l	0.00
Spiked Amount			Recovery	=	113.74%	
35) Dibromofluoromethane	5.46	113	145294	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
50) Toluene-d8	8.70	98	526420	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	11.12	95	208102	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

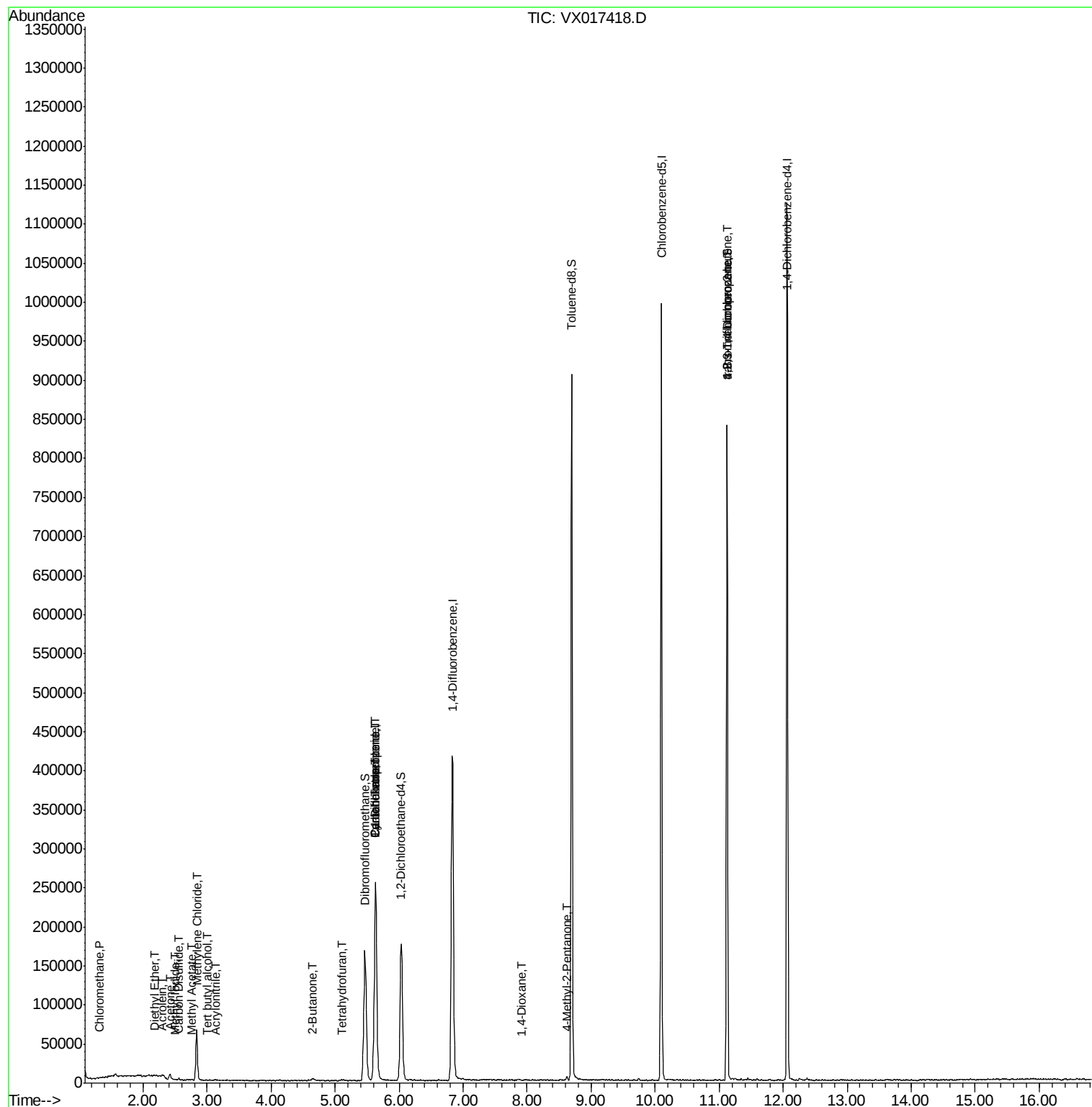
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	673	0.299	ug/l #	79
8) Diethyl Ether	2.17	74	810	0.610	ug/l	95
10) Methyl Iodide	2.50	142	204	2.442	ug/l	90
11) Tert butyl alcohol	3.01	59	551	1.104	ug/l #	71
13) Acrolein	2.30	56	386	1.410	ug/l #	14
15) Acrylonitrile	3.13	53	285	0.235	ug/l #	35
16) Acetone	2.42	43	6612	6.254	ug/l	89
17) Carbon Disulfide	2.56	76	1336	0.213	ug/l #	92
18) Methyl Acetate	2.75	43	566	0.217	ug/l #	79
20) Methylene Chloride	2.84	84	29055	11.263	ug/l	94
25) 2-Butanone	4.64	43	2051	1.221	ug/l #	61
29) Tetrahydrofuran	5.10	42	1206	1.109	ug/l #	75
31) Cyclohexane	5.63	56	4510	1.322	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18322	4.761	ug/l #	51
38) Carbon Tetrachloride	5.63	117	23837	5.291	ug/l #	18
49) 1,4-Dioxane	7.92	88	62	0.993	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	2856	0.737	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	104400	24.516	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	104400	62.192	ug/l #	11

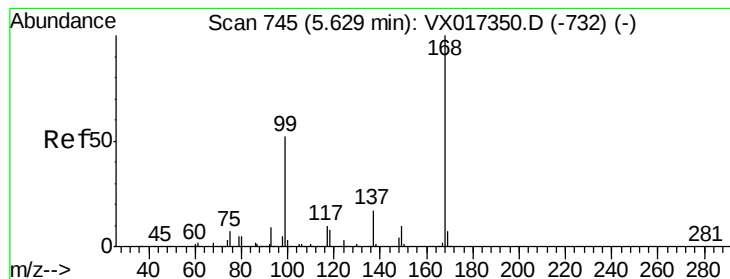
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071720\
Data File : VX017418.D
Acq On : 17 Jul 2020 14:40
Operator : JC/SP
Sample : PB130263TB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 18 06:58:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017418.D

Acq: 17 Jul 2020 14:40

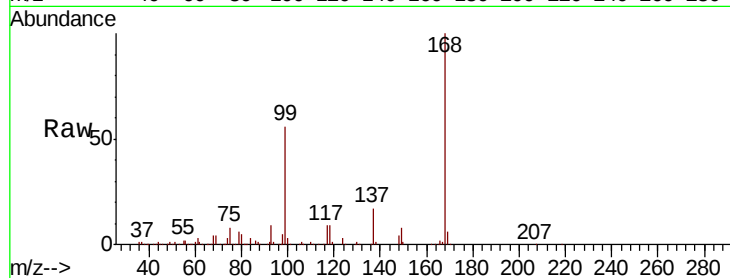
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 236124

Ion Ratio Lower Upper

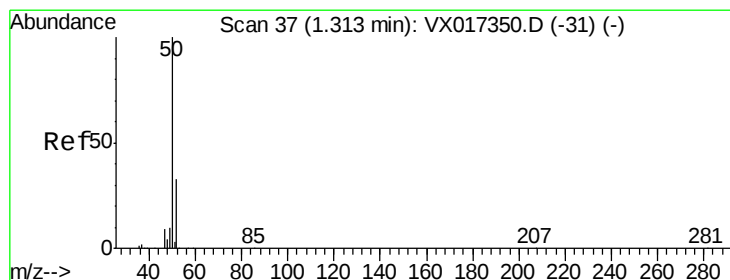
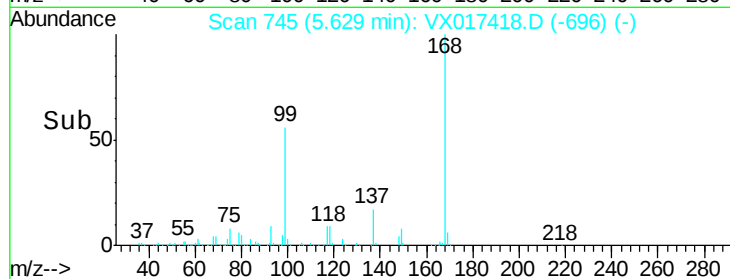
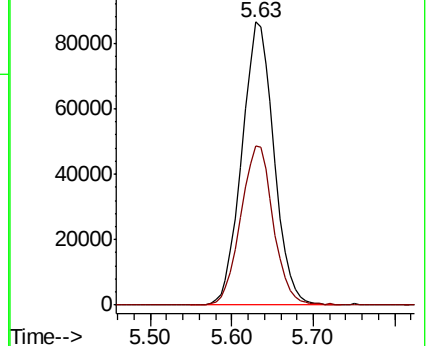
168 100

99 56.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.299 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017418.D

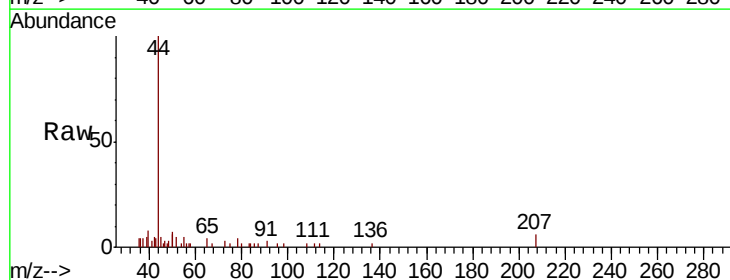
Acq: 17 Jul 2020 14:40

Tgt Ion: 50 Resp: 673

Ion Ratio Lower Upper

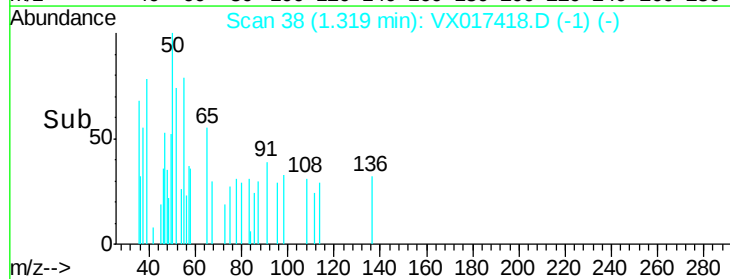
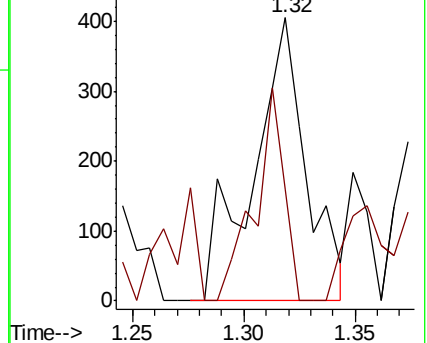
50 100

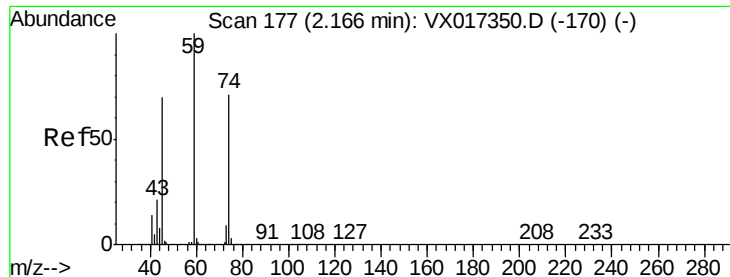
52 21.7 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#8

Diethyl Ether

Concen: 0.610 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017418.D

Acq: 17 Jul 2020 14:40

Instrument :

MSVOA_X

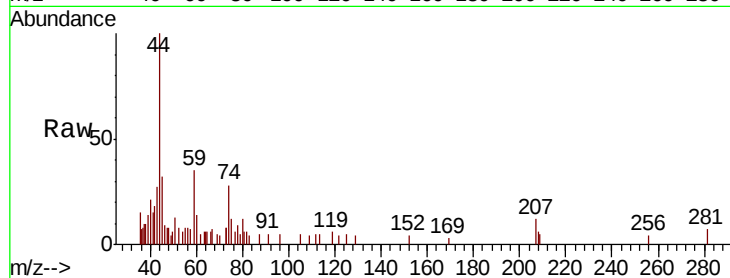
ClientSampleId :

Tot Ion: 74 Resp: 810

Ion Ratio Lower Upper

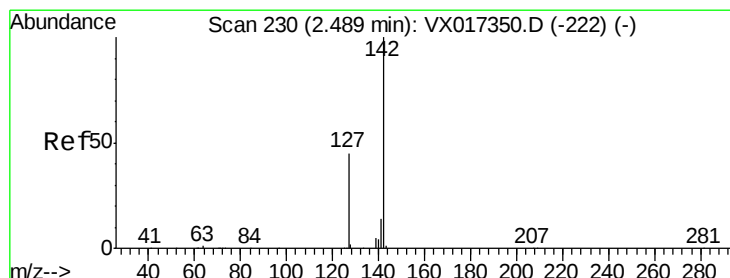
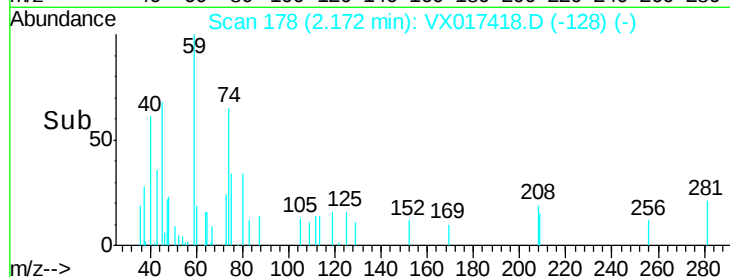
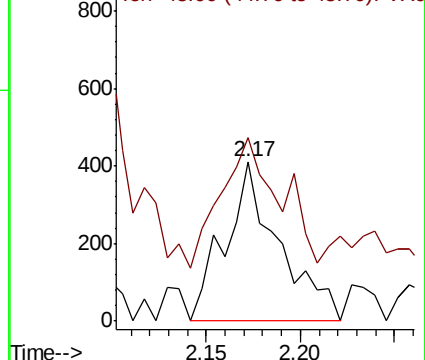
74 100

45 90.0 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 2.442 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX017418.D

Acq: 17 Jul 2020 14:40

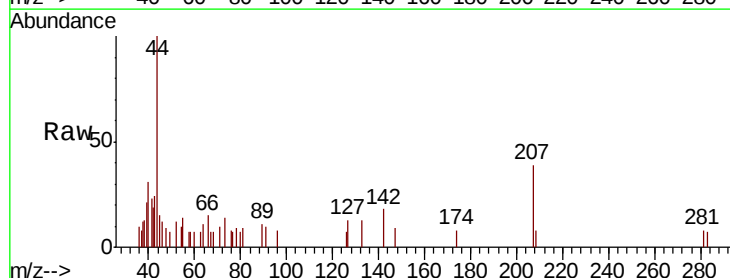
Tgt Ion: 142 Resp: 204

Ion Ratio Lower Upper

142 100

127 54.9 36.8 55.2

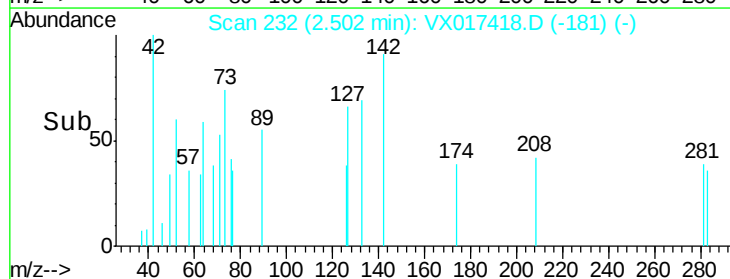
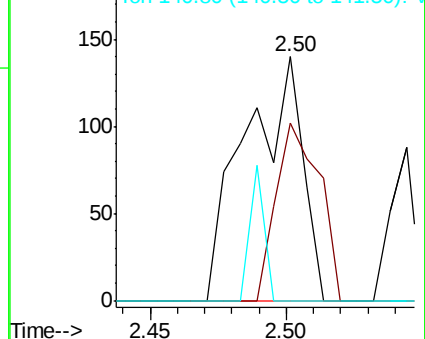
141 14.2 11.4 17.0

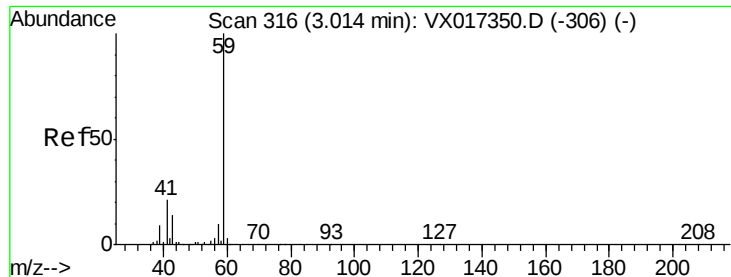


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

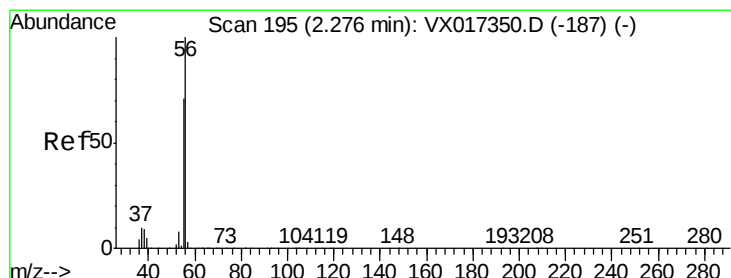
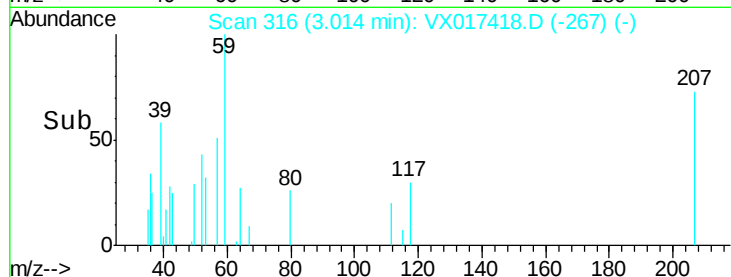
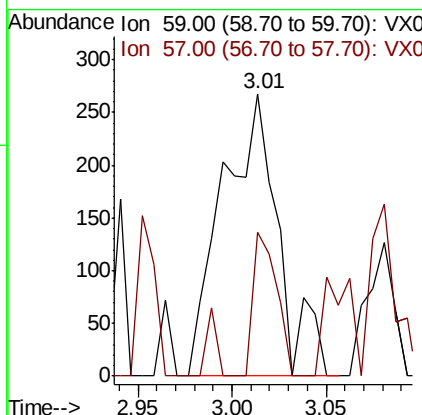
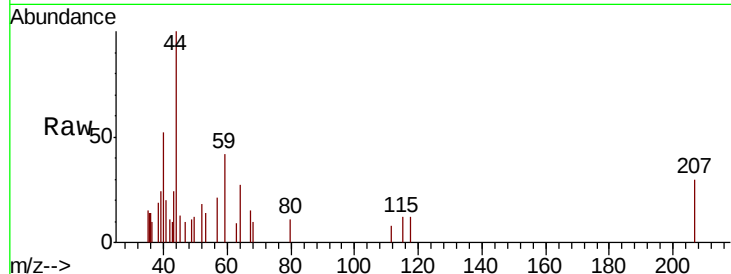




#11
Tert butyl alcohol
Concen: 1.104 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX017418.D
Acq: 17 Jul 2020 14:40

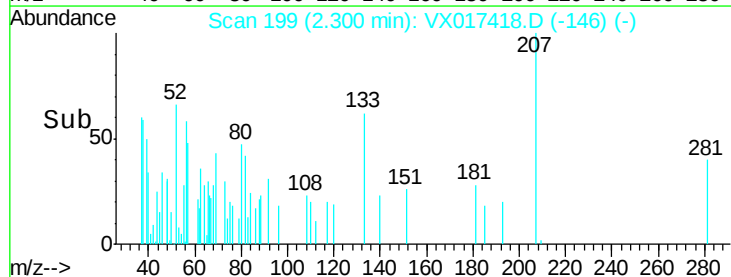
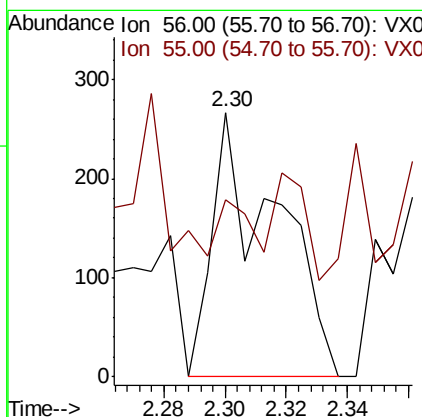
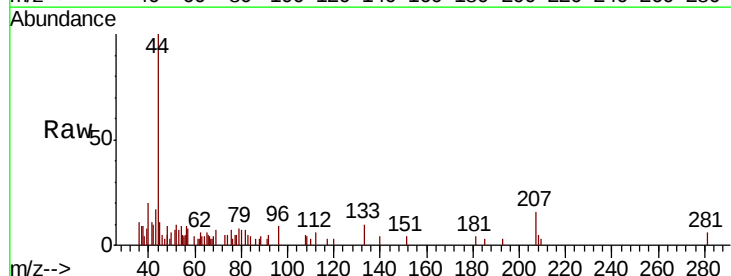
Instrument :
MSVOA_X
ClientSampled :

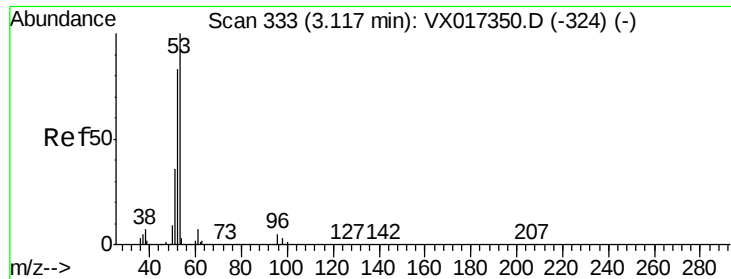
Tot Ion: 59 Resp: 551
Ion Ratio Lower Upper
59 100
57 21.4 8.3 12.5#



#13
Acrolein
Concen: 1.410 ug/l
RT: 2.30 min Scan# 199
Delta R.T. 0.02 min
Lab File: VX017418.D
Acq: 17 Jul 2020 14:40

Tgt Ion: 56 Resp: 386
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#





#15

Acrylonitrile

Concen: 0.235 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX017418.D

Acq: 17 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampled :

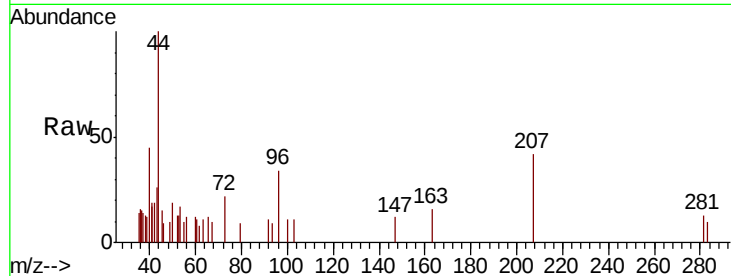
Tot Ion: 53 Resp: 285

Ion Ratio Lower Upper

53 100

52 22.5 65.8 98.6#

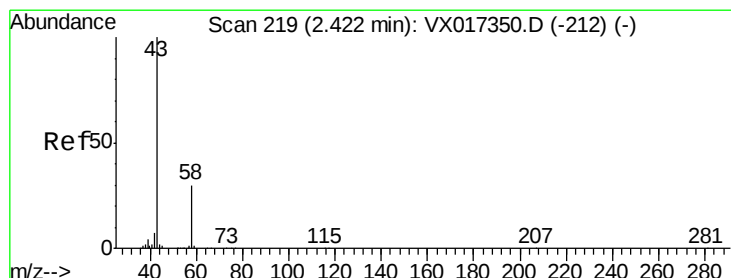
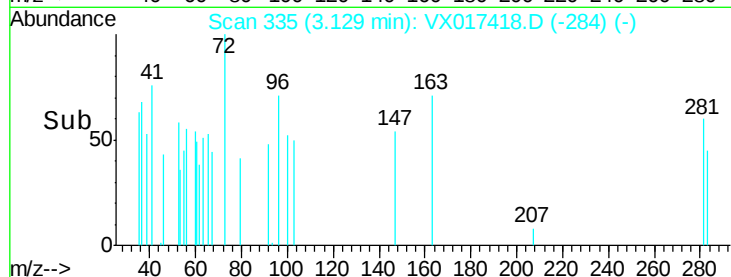
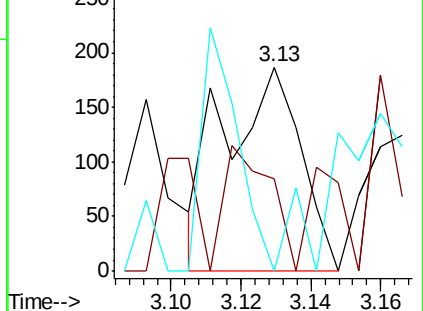
51 0.0 29.2 43.8#



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: 6.254 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017418.D

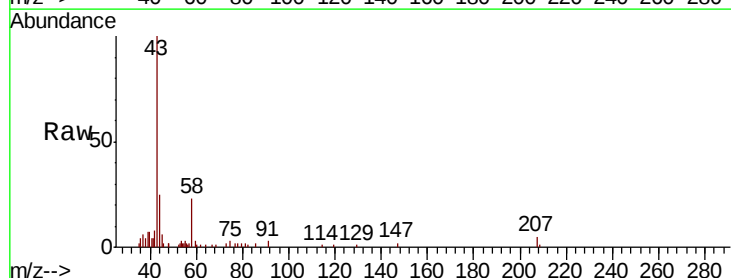
Acq: 17 Jul 2020 14:40

Tgt Ion: 43 Resp: 6612

Ion Ratio Lower Upper

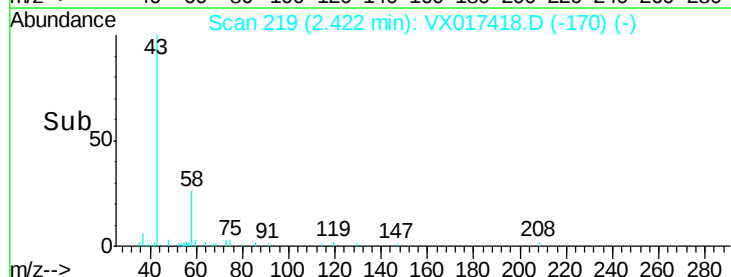
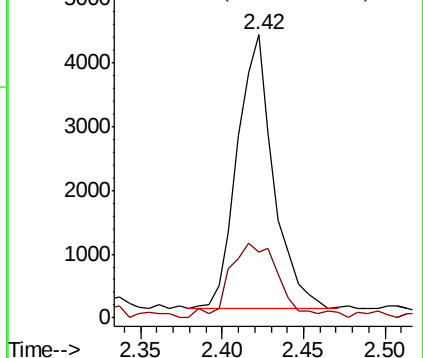
43 100

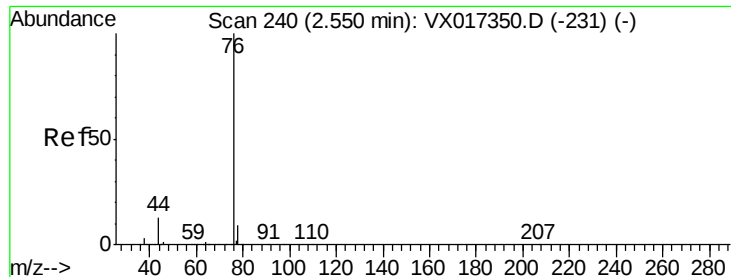
58 24.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.213 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017418.D

Acq: 17 Jul 2020 14:40

Instrument :

MSVOA_X

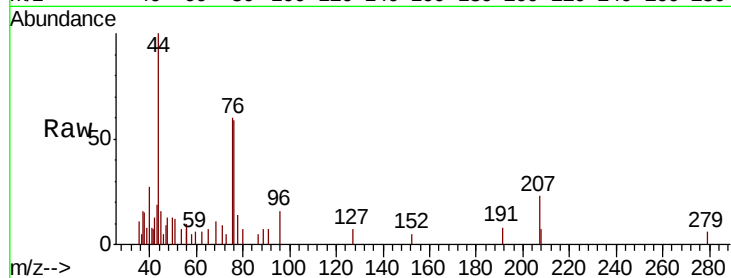
ClientSampleId :

Tot Ion: 76 Resp: 1336

Ion Ratio Lower Upper

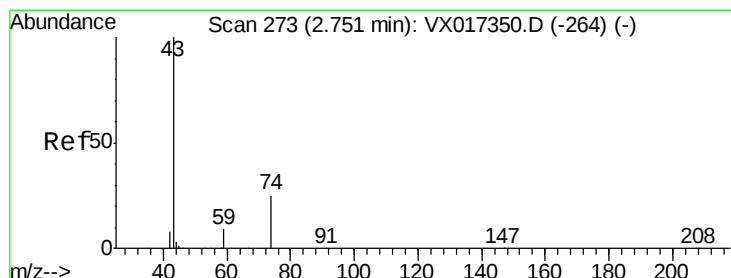
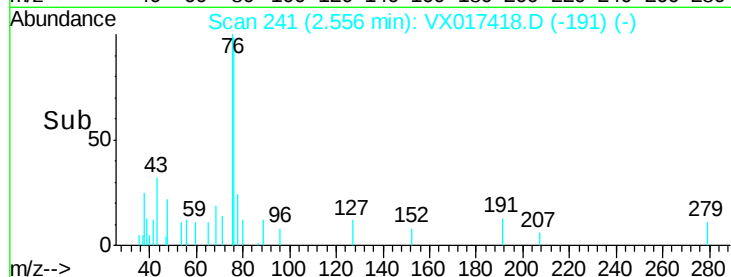
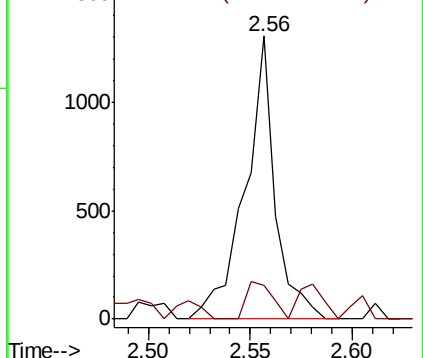
76 100

78 12.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.217 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017418.D

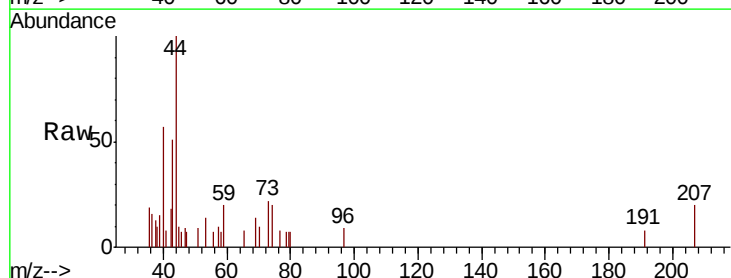
Acq: 17 Jul 2020 14:40

Tgt Ion: 43 Resp: 566

Ion Ratio Lower Upper

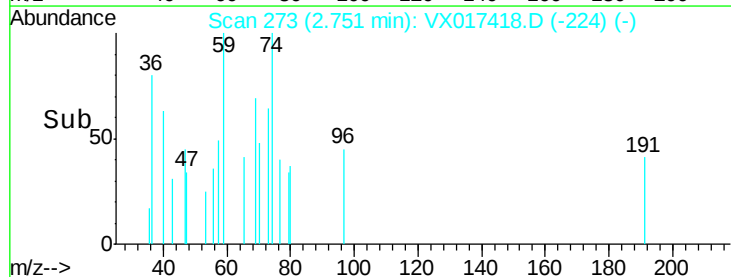
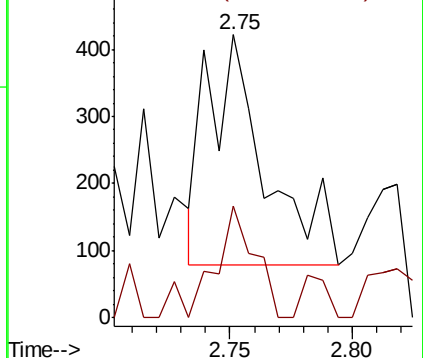
43 100

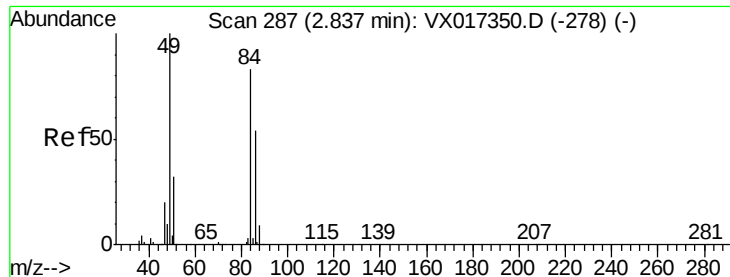
74 34.8 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

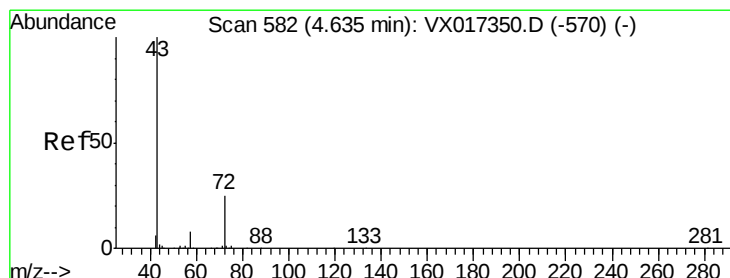
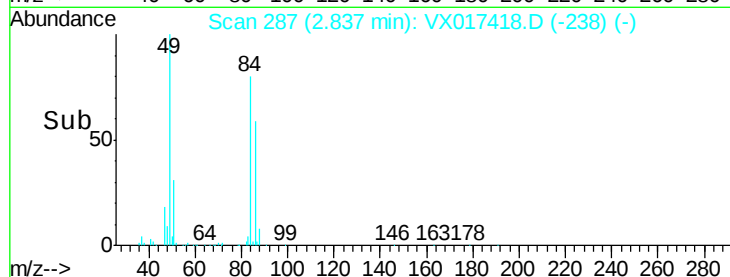
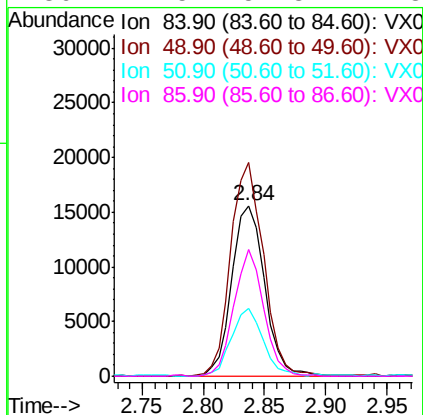
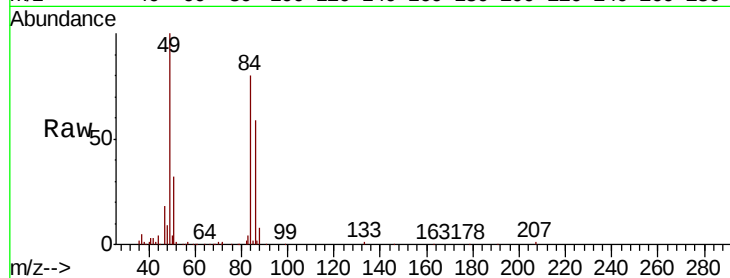




#20
Methvlene Chloride
Concen: 11.263 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017418.D
Acq: 17 Jul 2020 14:40

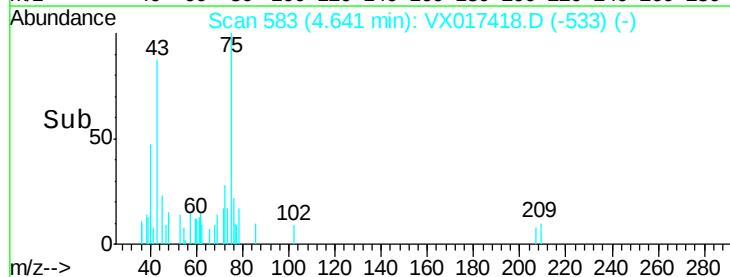
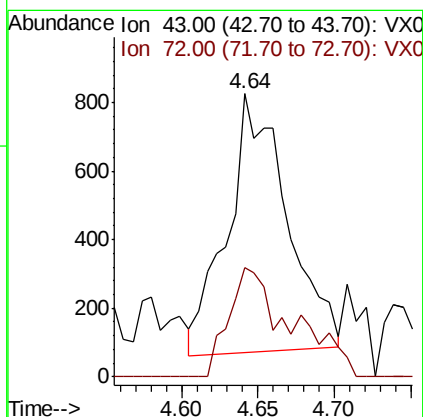
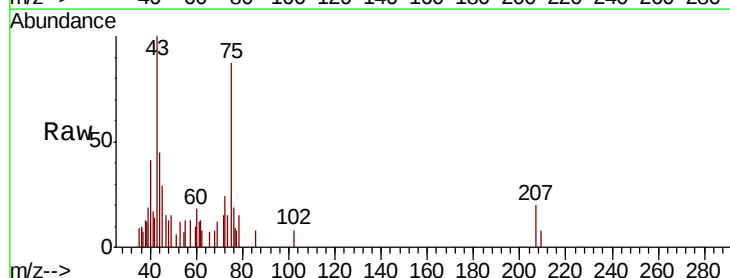
Instrument :
MSVOA_X
ClientSampleId :

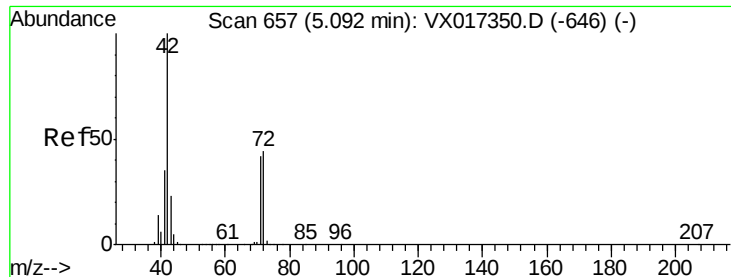
Tot Ion:	84	Resp:	29055
Ion	Ratio	Lower	Upper
84	100		
49	125.3	95.8	143.8
51	39.5	31.0	46.4
86	74.5	51.8	77.8



#25
2-Butanone
Concen: 1.221 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017418.D
Acq: 17 Jul 2020 14:40

Tgt Ion:	43	Resp:	2051
Ion	Ratio	Lower	Upper
43	100		
72	45.0	20.4	30.6#

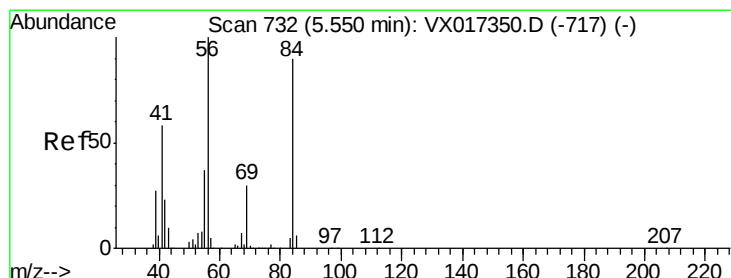
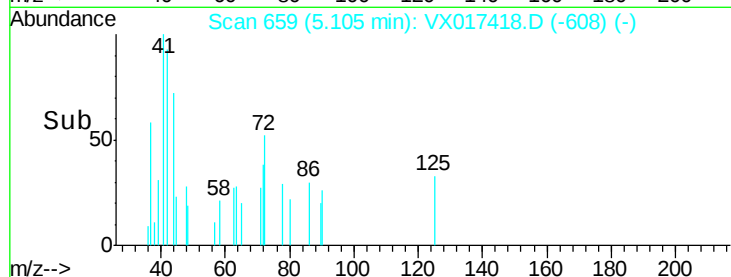
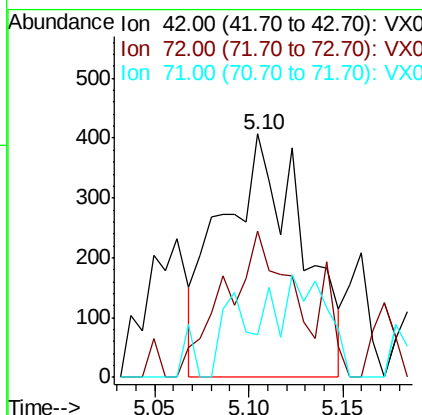
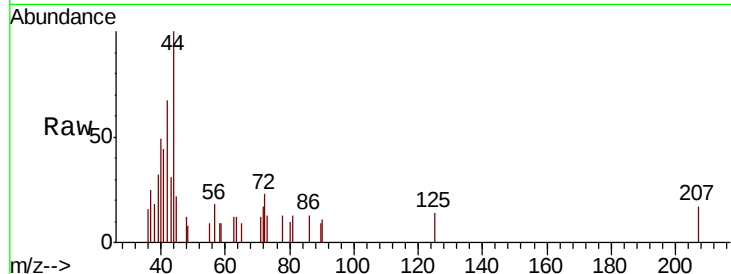




#29
Tetrahydrofuran
Concen: 1.109 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX017418.D
Acq: 17 Jul 2020 14:40

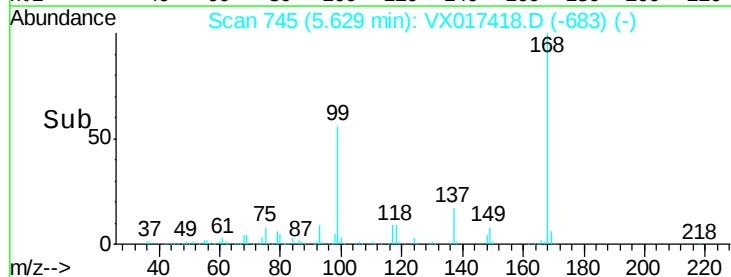
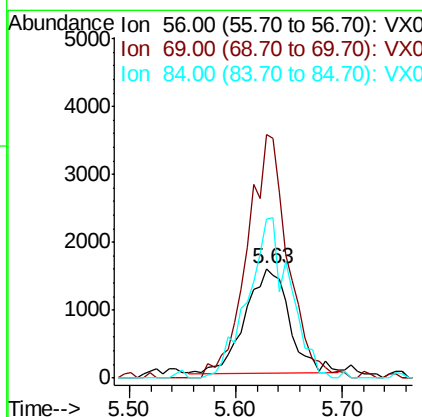
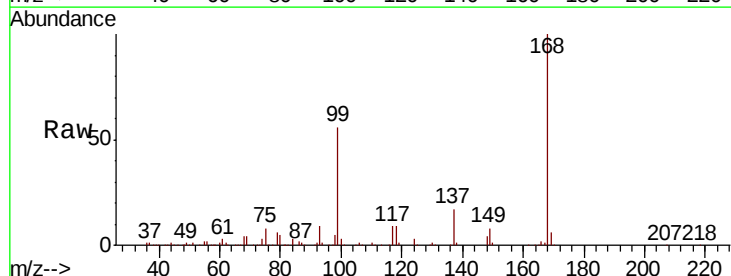
Instrument :
MSVOA_X
ClientSampled :

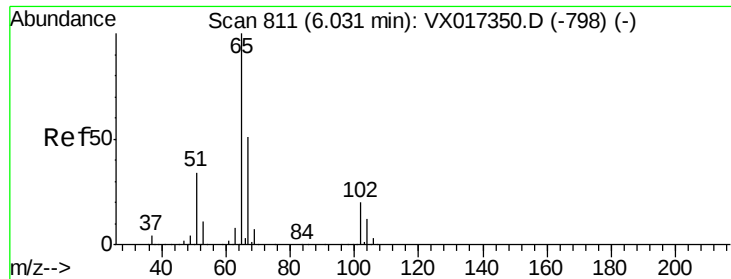
Tot Ion: 42 Resp: 1206
Ion Ratio Lower Upper
42 100
72 48.7 37.2 55.8
71 12.3 34.4 51.6#



#31
Cyclohexane
Concen: 1.322 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017418.D
Acq: 17 Jul 2020 14:40

Tgt Ion: 56 Resp: 4510
Ion Ratio Lower Upper
56 100
69 234.4 23.7 35.5#
84 153.6 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 56.875 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017418.D

Acq: 17 Jul 2020 14:40

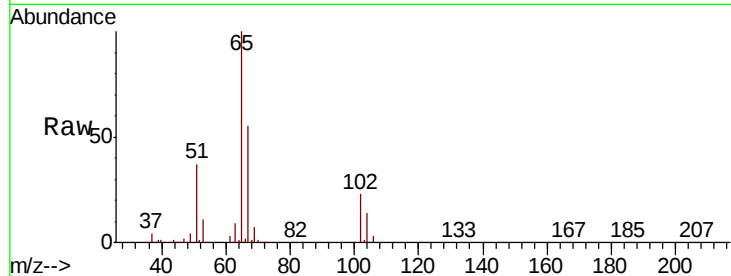
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 168551

Ion Ratio Lower Upper

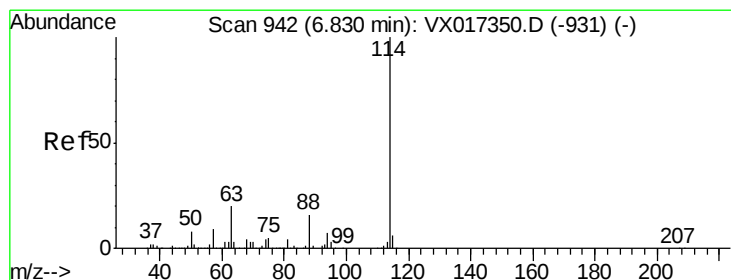
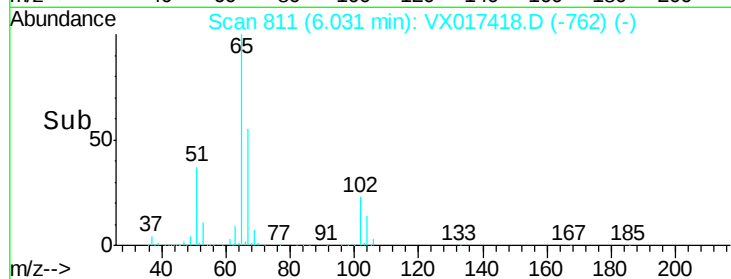
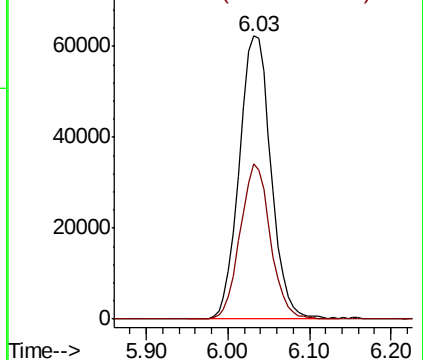
65 100

67 52.0 0.0 101.6



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: VX017418.D

Acq: 17 Jul 2020 14:40

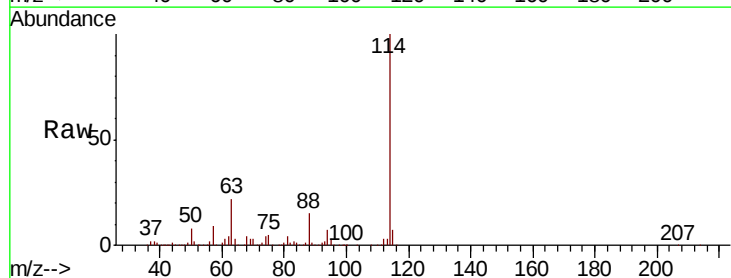
Tgt Ion: 114 Resp: 418363

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

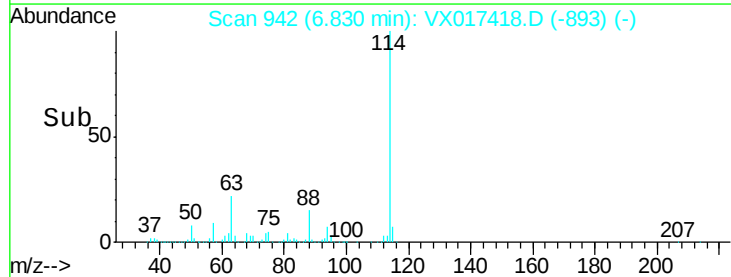
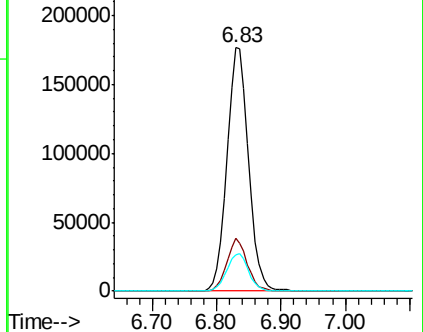
88 15.0 0.0 32.8

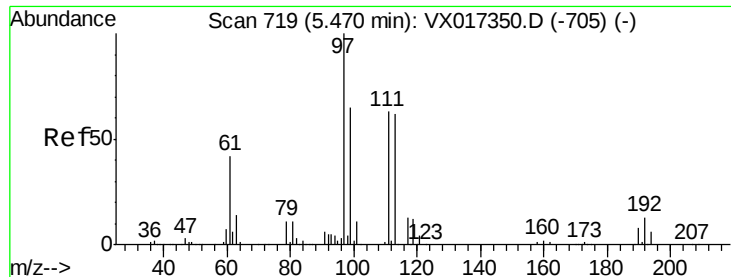


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

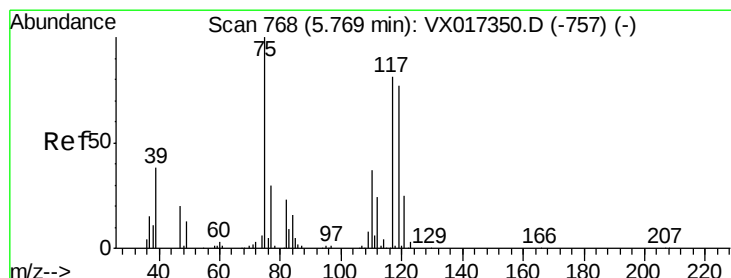
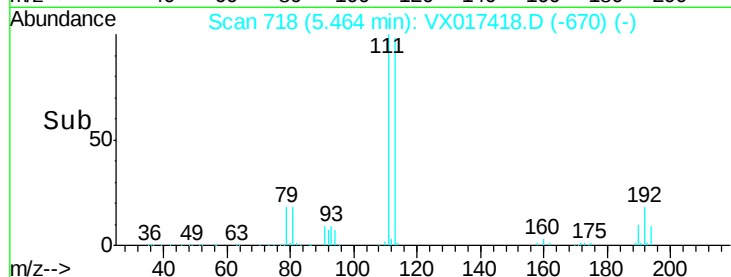
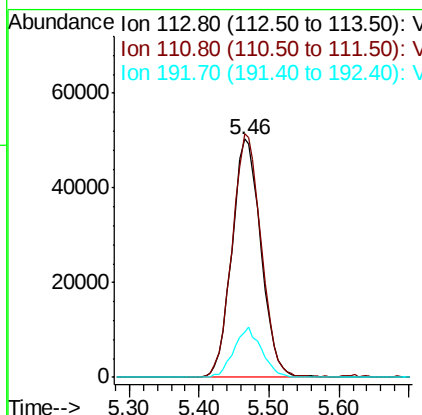
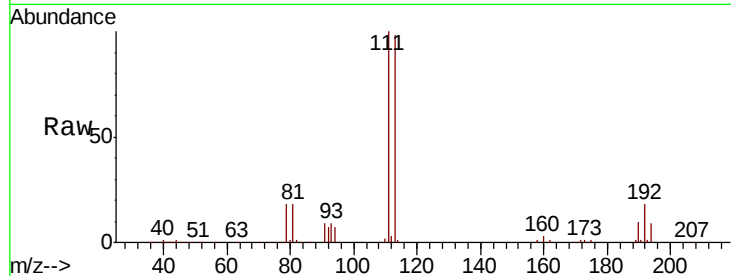




#35
 Dibromofluoromethane
 Concen: 51.556 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017418.D
 Acq: 17 Jul 2020 14:40

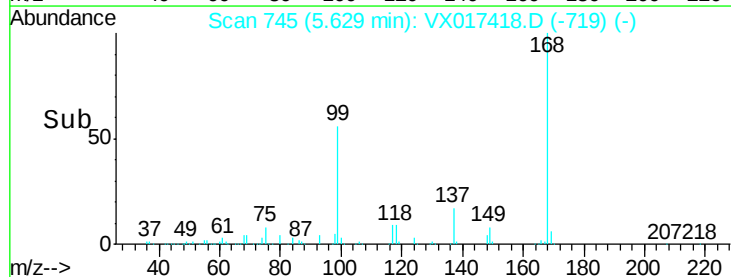
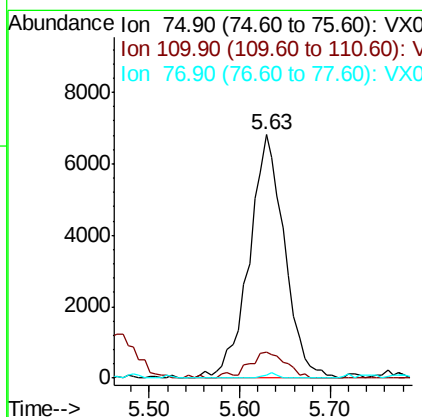
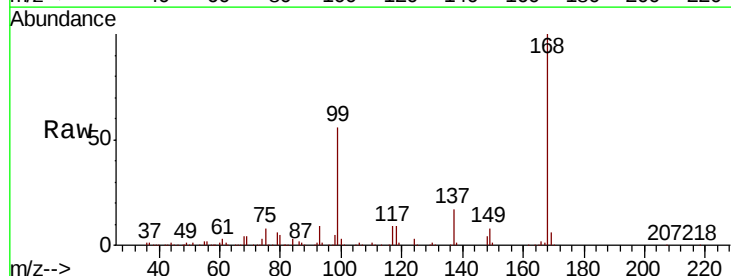
Instrument :
 MSVOA_X
 ClientSampleId :

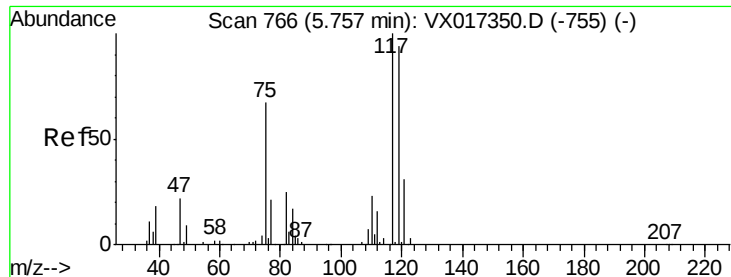
Tot Ion:113 Resp: 145294
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.4 123.6
 192 20.1 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 4.761 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017418.D
 Acq: 17 Jul 2020 14:40

Tgt Ion: 75 Resp: 18322
 Ion Ratio Lower Upper
 75 100
 110 11.2 18.6 55.8#
 77 0.8 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.291 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017418.D

Acq: 17 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

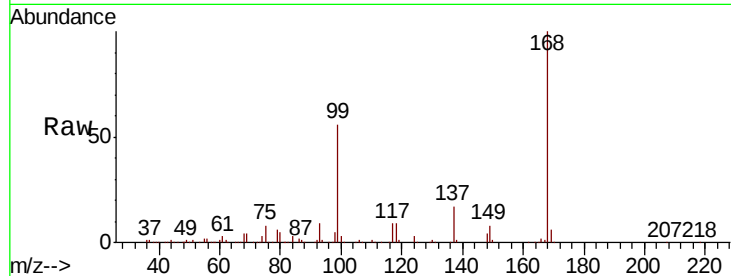
Tot Ion:117 Resp: 23837

Ion Ratio Lower Upper

117 100

119 6.6 74.7 112.1#

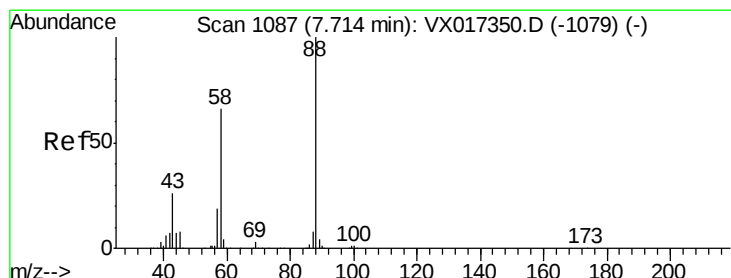
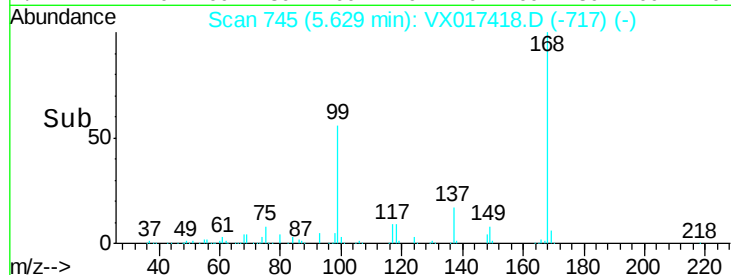
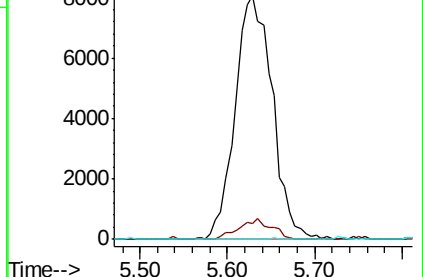
121 0.0 24.5 36.7#



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: 0.993 ug/l

RT: 7.92 min Scan# 1120

Delta R.T. 0.20 min

Lab File: VX017418.D

Acq: 17 Jul 2020 14:40

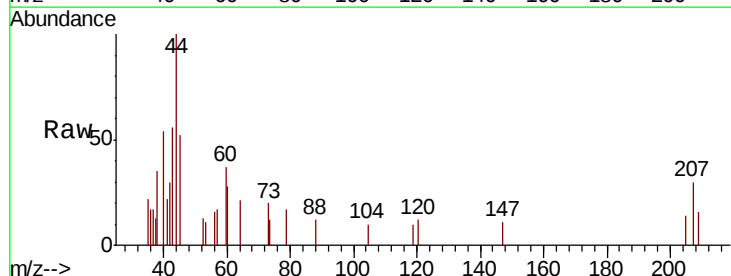
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

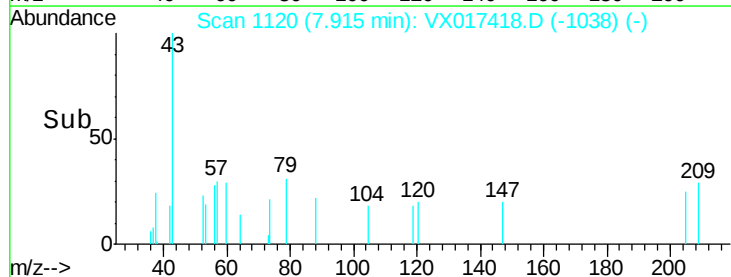
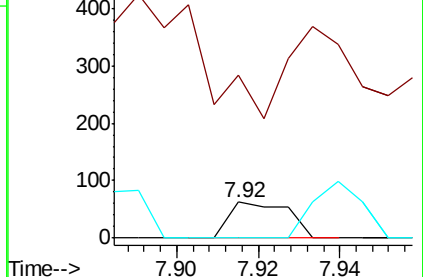
58 0.0 53.9 80.9#

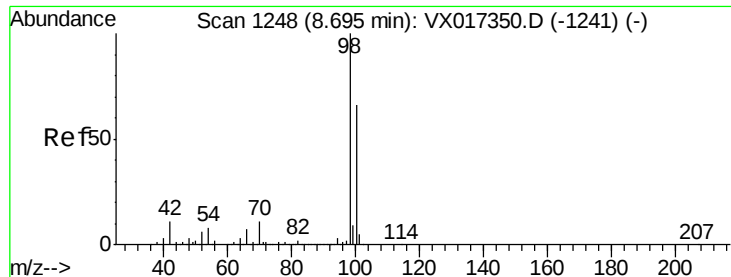


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.785 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017418.D

Acq: 17 Jul 2020 14:40

Instrument :

MSVOA_X

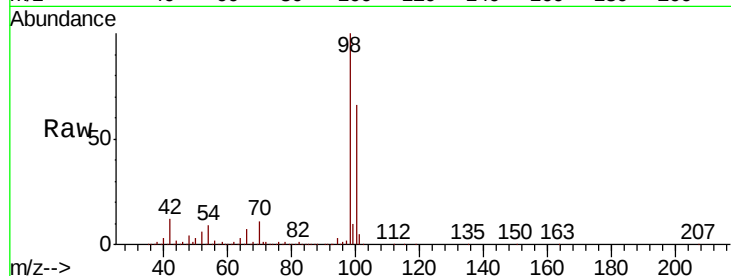
ClientSampleId :

Tot Ion: 98 Resp: 526420

Ion Ratio Lower Upper

98 100

100 65.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX017350.D (-1241) (-)

Ion 100.00 (99.70 to 100.70): VX017350.D (-1241) (-)

8.70

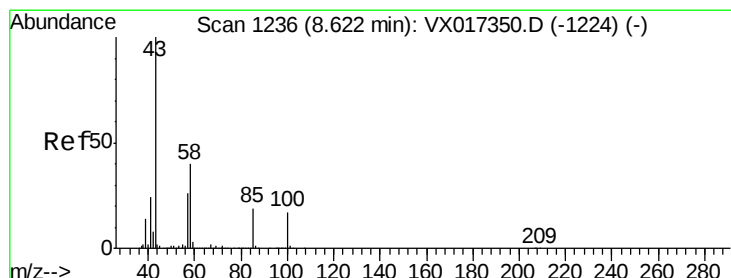
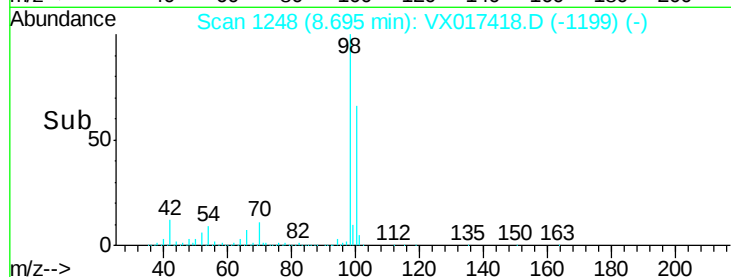
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#51

4-Methyl-2-Pentanone

Concen: 0.737 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017418.D

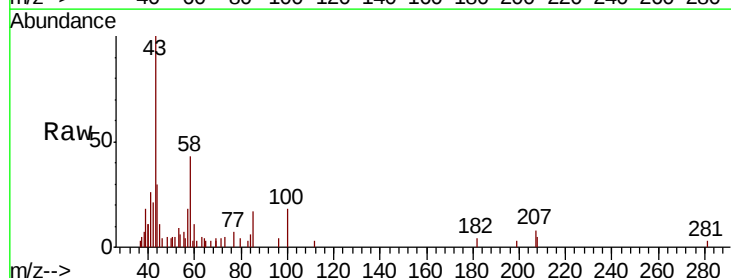
Acq: 17 Jul 2020 14:40

Tgt Ion: 43 Resp: 2856

Ion Ratio Lower Upper

43 100

58 46.0 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VX017350.D (-1224) (-)

Ion 58.00 (57.70 to 58.70): VX017350.D (-1224) (-)

8.62

4000

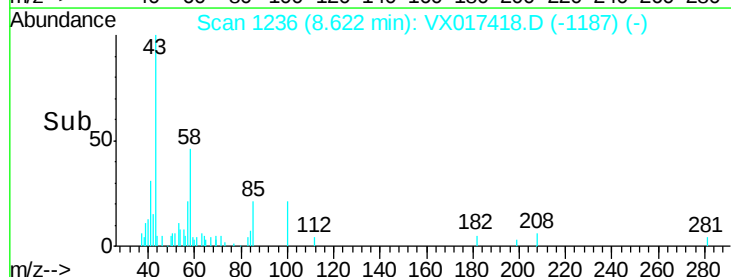
3000

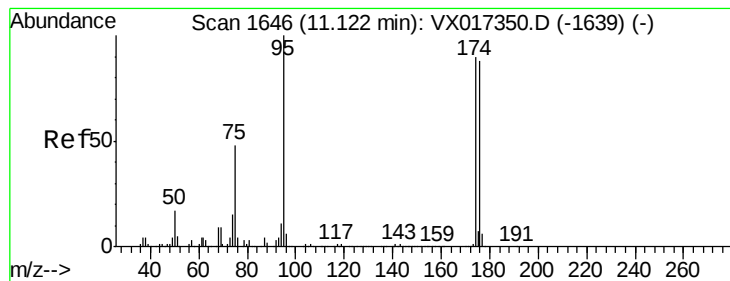
2000

1000

0

Time--> 8.55 8.60 8.65





#62

4-Bromofluorobenzene

Concen: 51.537 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017418.D

Acq: 17 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

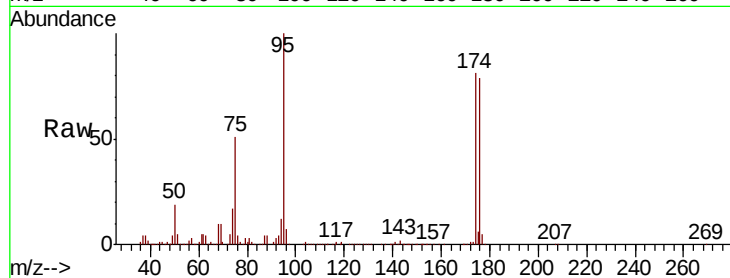
Tot Ion: 95 Resp: 208102

Ion Ratio Lower Upper

95 100

174 82.8 0.0 175.8

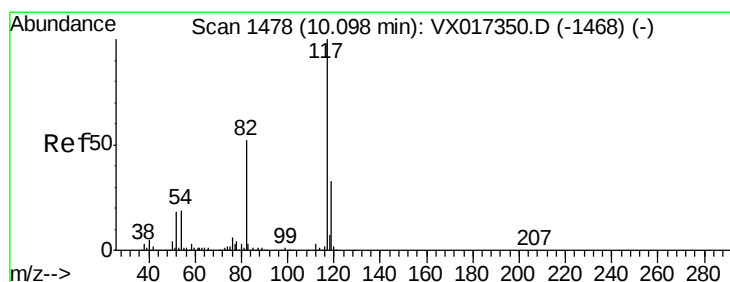
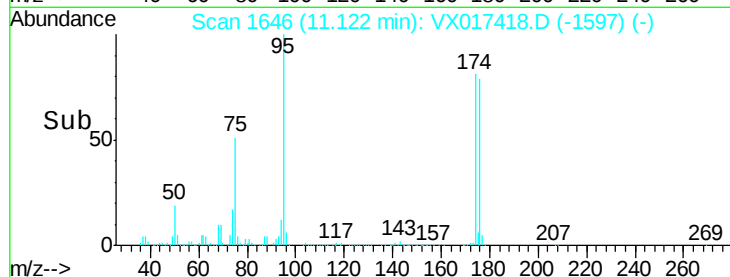
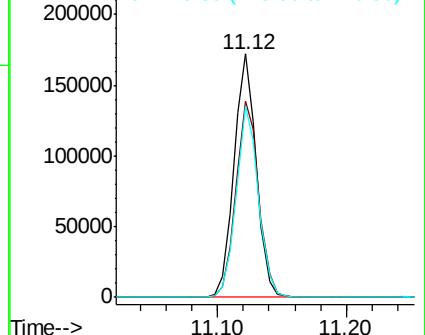
176 78.1 0.0 164.6



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: VX017418.D

Acq: 17 Jul 2020 14:40

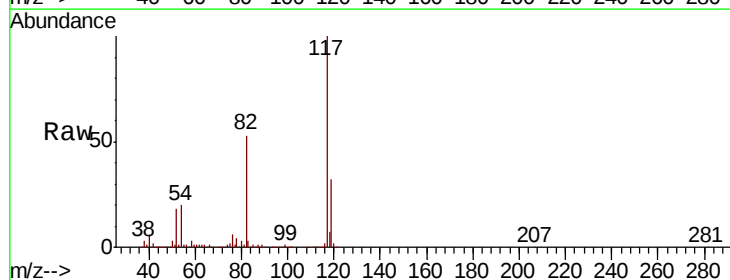
Tgt Ion: 117 Resp: 442072

Ion Ratio Lower Upper

117 100

82 52.8 42.0 63.0

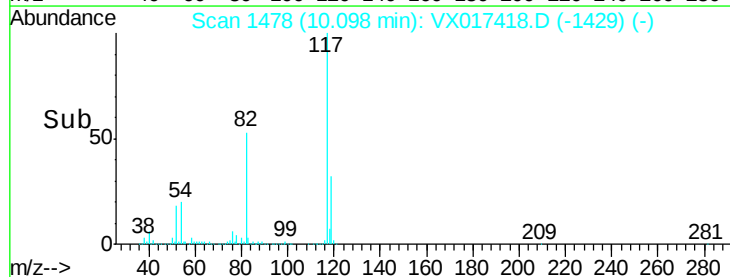
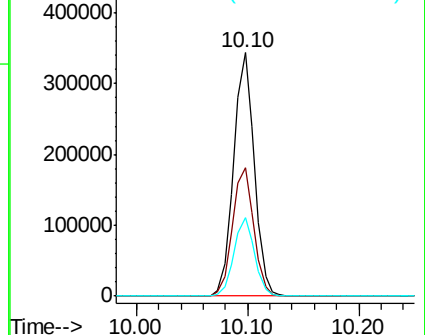
119 32.3 26.3 39.5

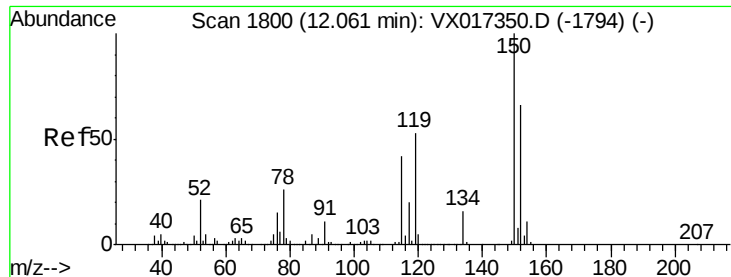


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX017418.D

Acq: 17 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

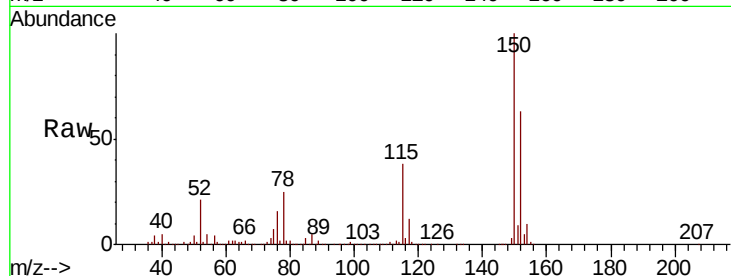
Tot Ion:152 Resp: 230455

Ion Ratio Lower Upper

152 100

115 56.5 39.9 119.7

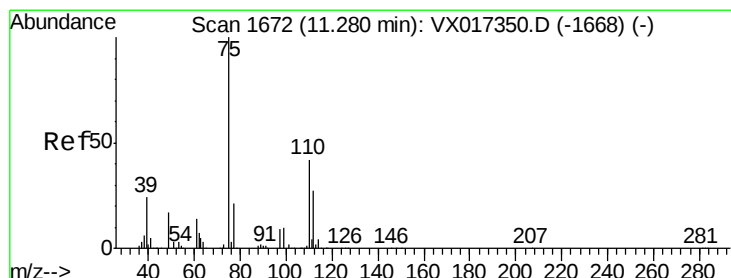
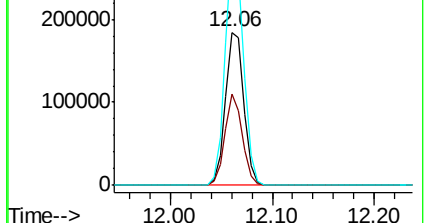
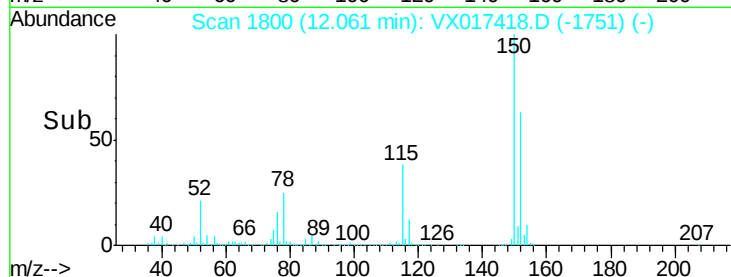
150 153.5 0.0 343.4



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



#76

1,2,3-Trichloropropane

Concen: 24.516 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017418.D

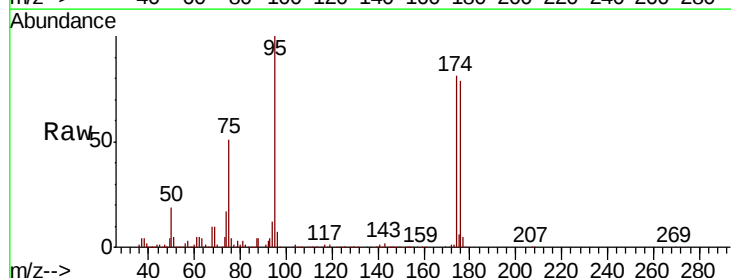
Acq: 17 Jul 2020 14:40

Tgt Ion: 75 Resp: 104400

Ion Ratio Lower Upper

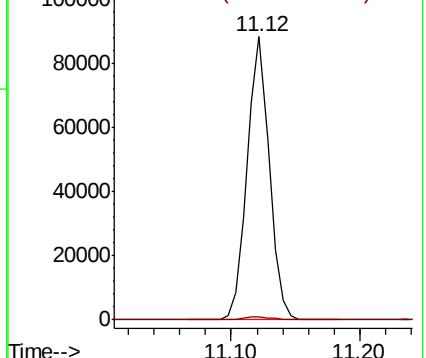
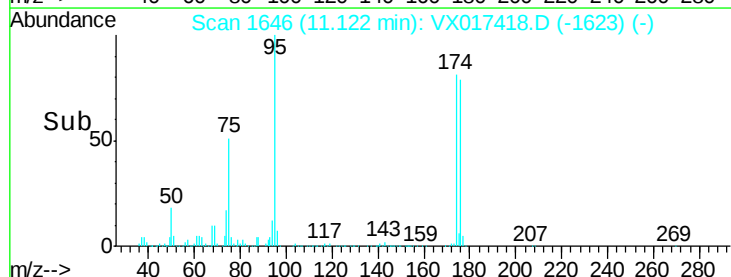
75 100

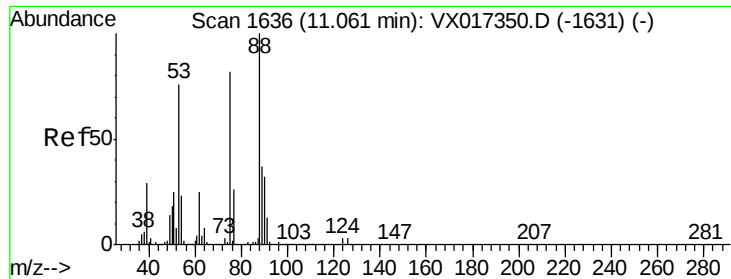
77 1.5 20.3 60.9#



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: 62.192 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017418.D
 Acq: 17 Jul 2020 14:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 104400
 Ion Ratio Lower Upper
 75 100
 53 0.6 76.5 114.7#
 89 0.1 38.1 57.1#

