

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070220\
 Data File : VX017153.D
 Acq On : 02 Jul 2020 17:03
 Operator : JC/SP
 Sample : L3192-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 03 00:53:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	213374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	361690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	369981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201642	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	139588	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
35) Dibromofluoromethane	5.46	113	119400	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
50) Toluene-d8	8.70	98	442317	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.12	95	182252	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	

Target Compounds

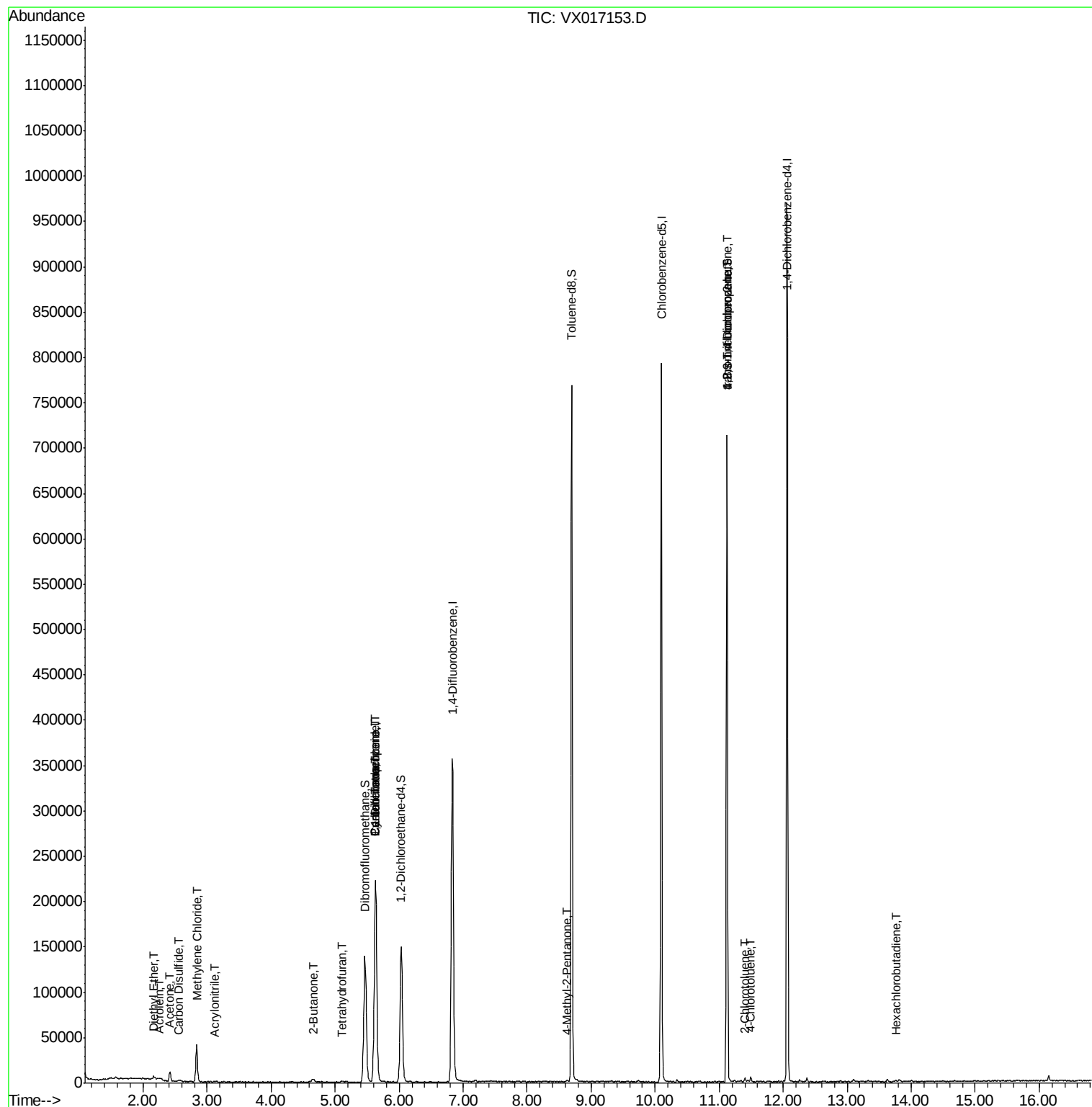
						Qvalue
8) Diethyl Ether	2.17	74	1090	1.303	ug/l	78
13) Acrolein	2.25	56	304	1.013	ug/l #	71
15) Acrylonitrile	3.12	53	247	0.205	ug/l #	65
16) Acetone	2.42	43	10633	10.806	ug/l	91
17) Carbon Disulfide	2.55	76	1455	0.270	ug/l #	71
20) Methylene Chloride	2.84	84	18188	7.392	ug/l	92
25) 2-Butanone	4.65	43	708	0.432	ug/l #	58
29) Tetrahydrofuran	5.10	42	929	0.858	ug/l #	49
31) Cyclohexane	5.63	56	4471	1.259	ug/l #	24
36) 1,1-Dichloropropene	5.64	75	15954	4.667	ug/l #	48
38) Carbon Tetrachloride	5.64	117	21223	5.637	ug/l #	18
44) Trichloroethene	7.20	130	518	Below Cal		83
51) 4-Methyl-2-Pentanone	8.62	43	1021	0.297	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	91488	23.073	ug/l #	37
79) 2-Chlorotoluene	11.40	91	1836	0.203	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	91488	59.751	ug/l #	13
82) 4-Chlorotoluene	11.50	91	2205	0.204	ug/l	100
88) 1,4-Dichlorobenzene	12.01	146	549	Below Cal		86
94) Hexachlorobutadiene	13.76	225	307	1.033	ug/l #	67

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070220\
Data File : VX017153.D
Acq On : 02 Jul 2020 17:03
Operator : JC/SP
Sample : L3192-14
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 03 00:53:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

Instrument :

MSVOA_X

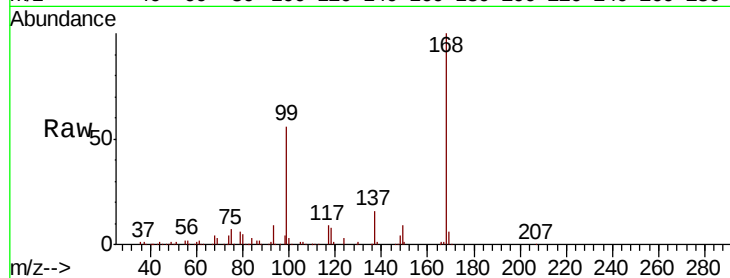
ClientSampleId :

Tot Ion:168 Resp: 213374

Ion Ratio Lower Upper

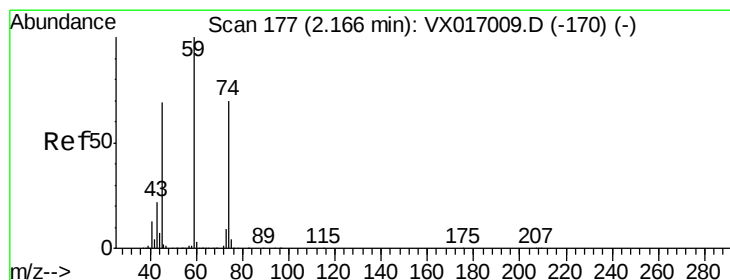
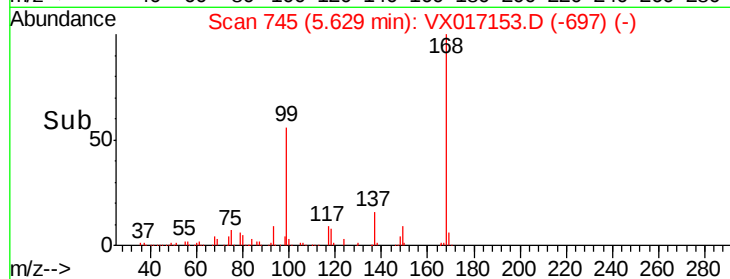
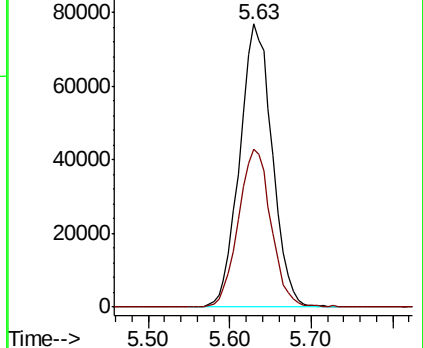
168 100

99 55.7 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.303 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017153.D

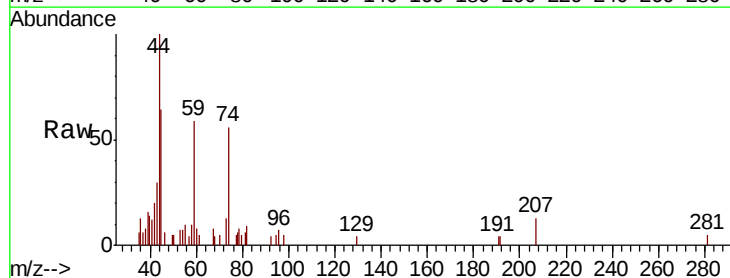
Acq: 02 Jul 2020 17:03

Tgt Ion: 74 Resp: 1090

Ion Ratio Lower Upper

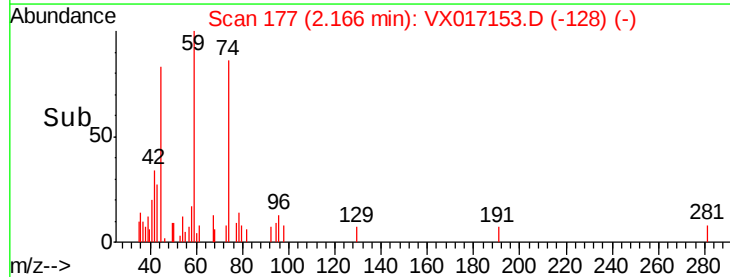
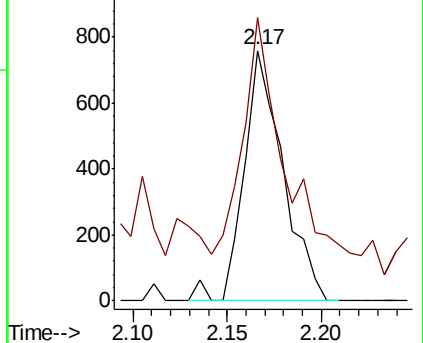
74 100

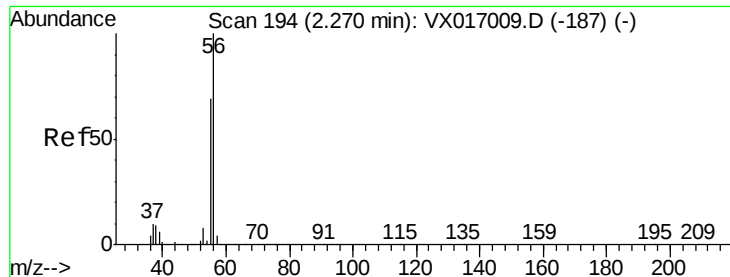
45 121.7 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#13

Acrolein

Concen: 1.013 ug/l

RT: 2.25 min Scan# 191

Delta R.T. -0.02 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

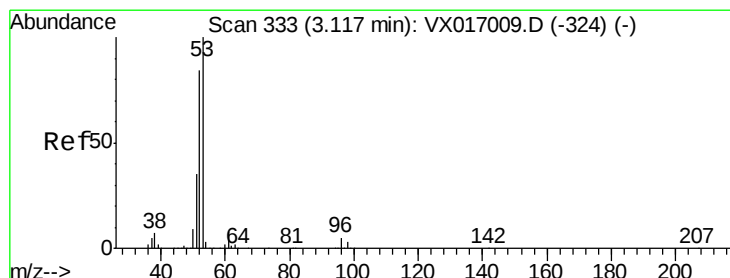
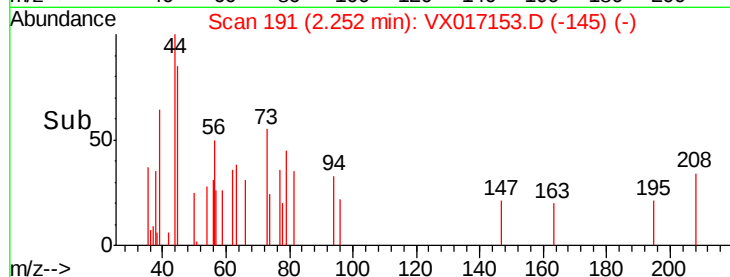
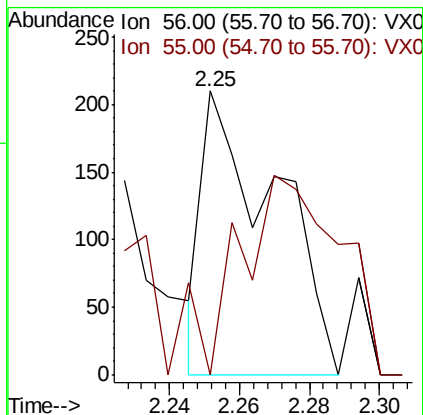
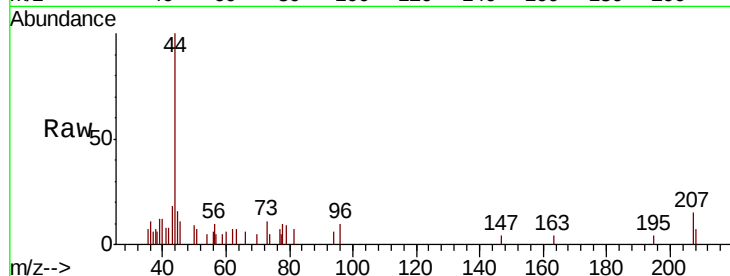
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 304

Ion Ratio Lower Upper

56 100

55 93.1 55.7 83.5#



#15

Acrylonitrile

Concen: 0.205 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

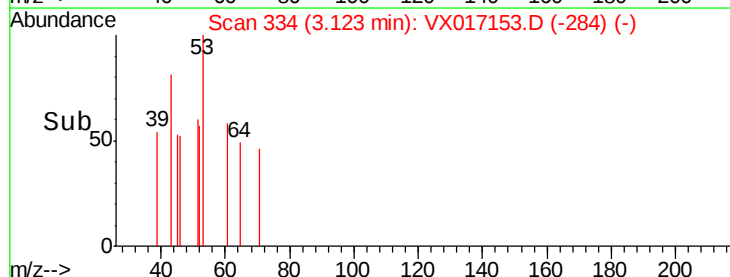
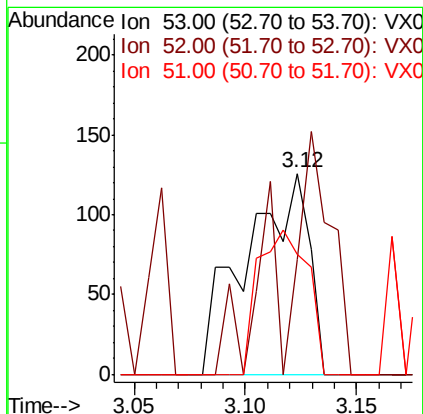
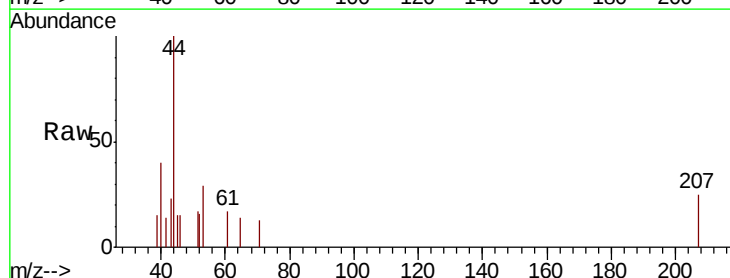
Tgt Ion: 53 Resp: 247

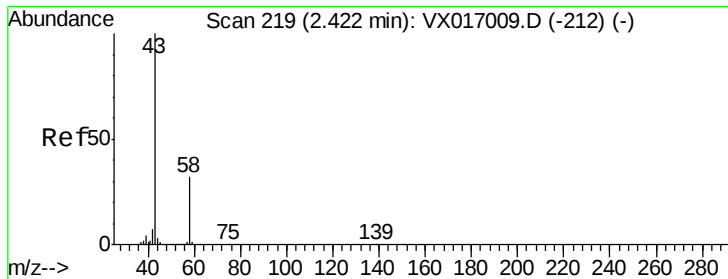
Ion Ratio Lower Upper

53 100

52 60.7 65.6 98.4#

51 0.0 28.3 42.5#





#16

Acetone

Concen: 10.806 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

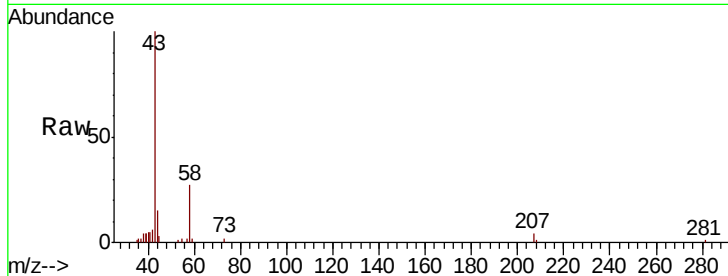
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 10633

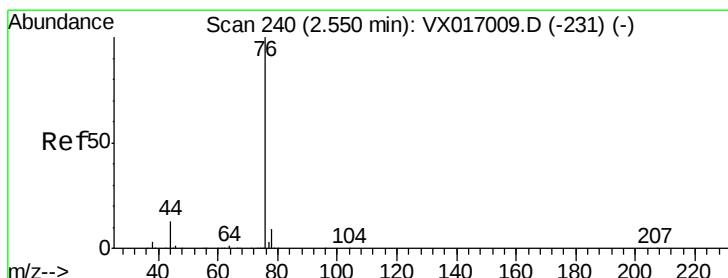
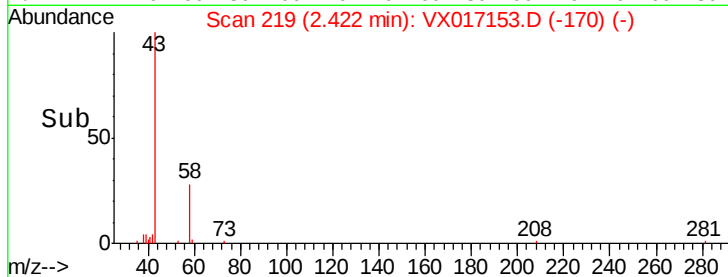
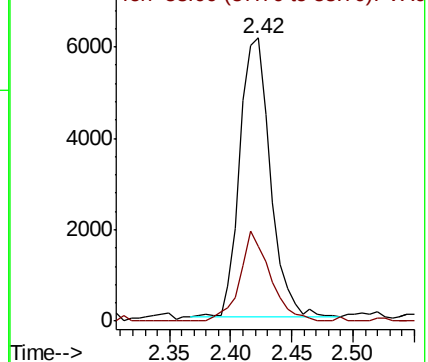
Ion Ratio Lower Upper

43 100

58 26.9 25.7 38.5



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



#17

Carbon Disulfide

Concen: 0.270 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017153.D

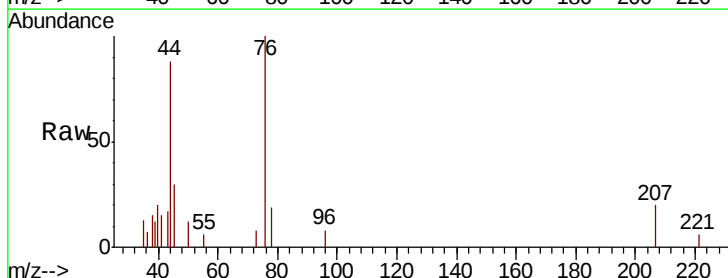
Acq: 02 Jul 2020 17:03

Tgt Ion: 76 Resp: 1455

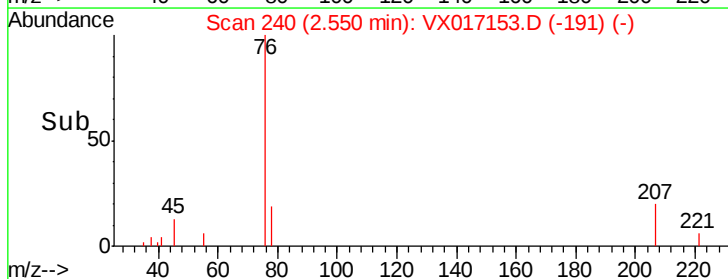
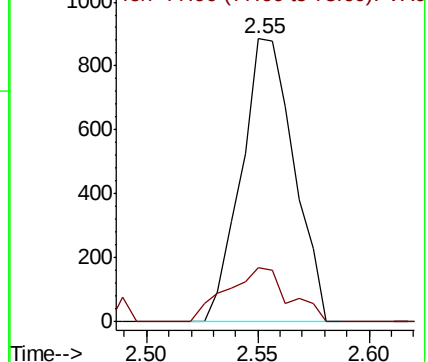
Ion Ratio Lower Upper

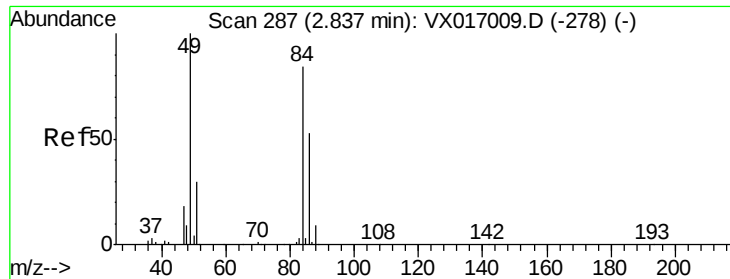
76 100

78 19.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0

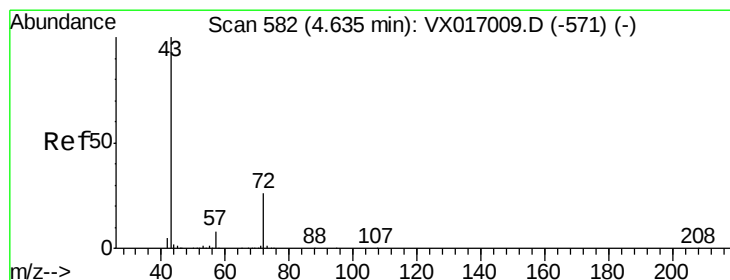
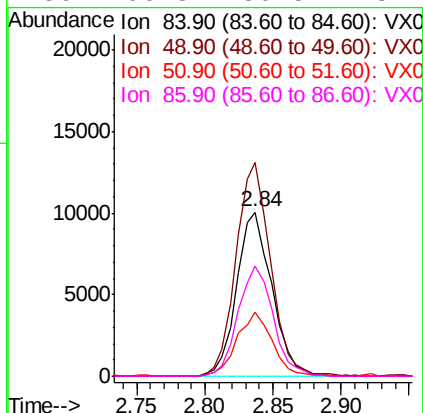
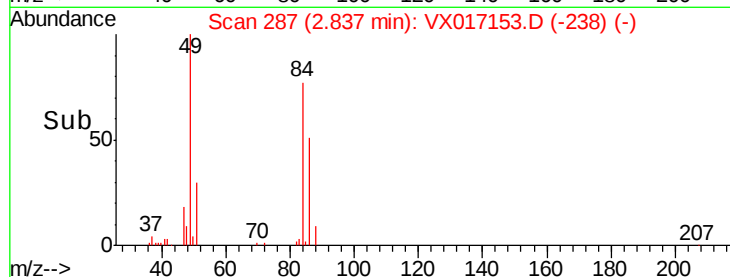
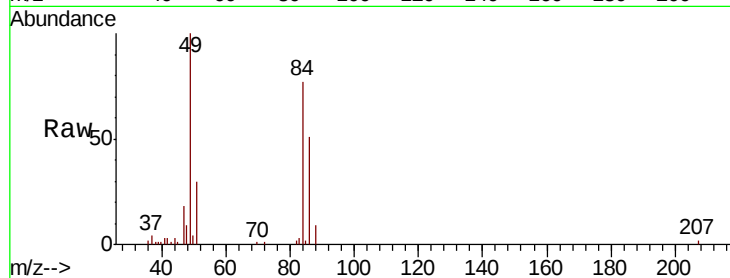




#20
Methvlene Chloride
Concen: 7.392 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017153.D
Acq: 02 Jul 2020 17:03

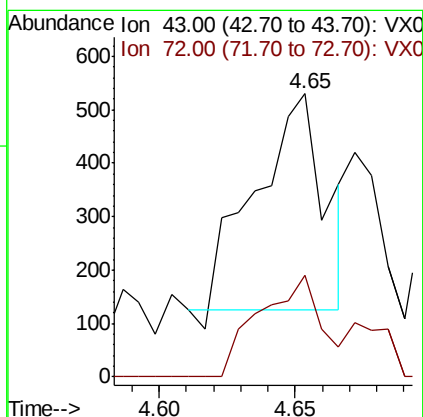
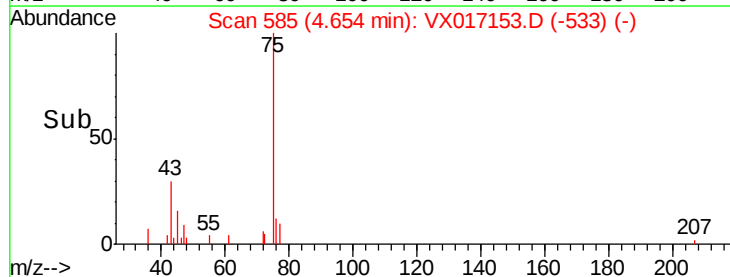
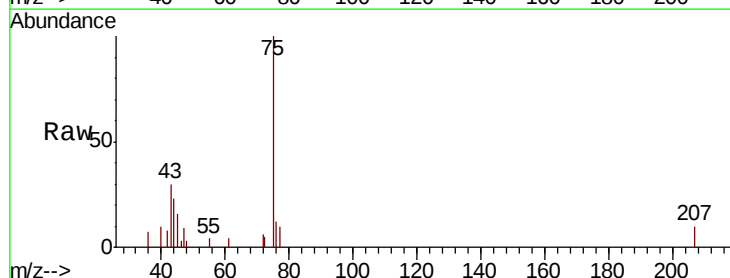
Instrument :
MSVOA_X
ClientSampleId :

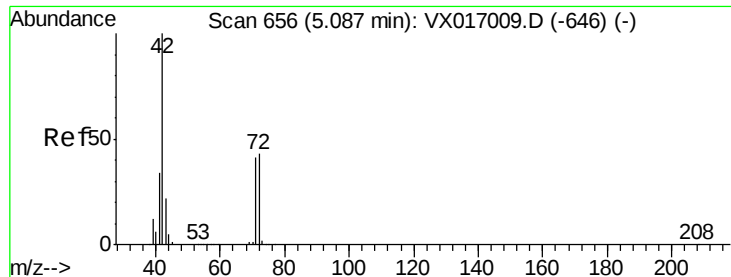
Tot Ion: 84 Resp: 18188
Ion Ratio Lower Upper
84 100
49 130.0 94.7 142.1
51 38.7 28.6 42.8
86 66.8 50.5 75.7



#25
2-Butanone
Concen: 0.432 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX017153.D
Acq: 02 Jul 2020 17:03

Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
72 47.3 20.8 31.2#





#29

Tetrahydrofuran

Concen: 0.858 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

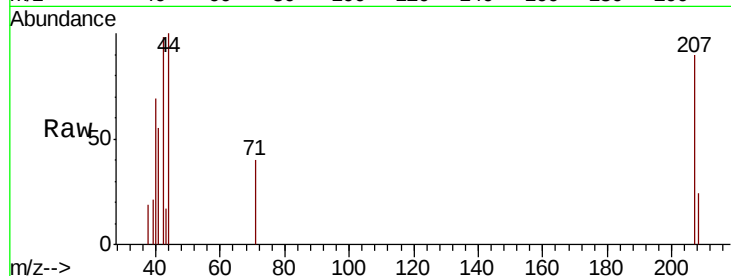
Tot Ion: 42 Resp: 929

Ion Ratio Lower Upper

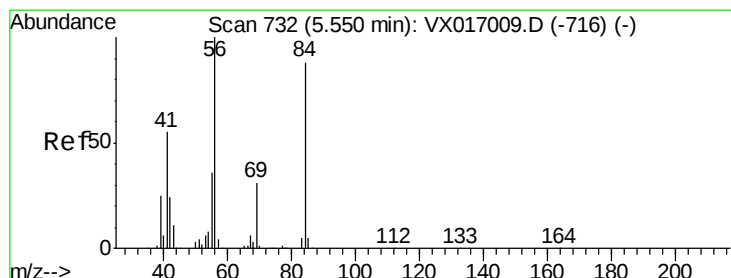
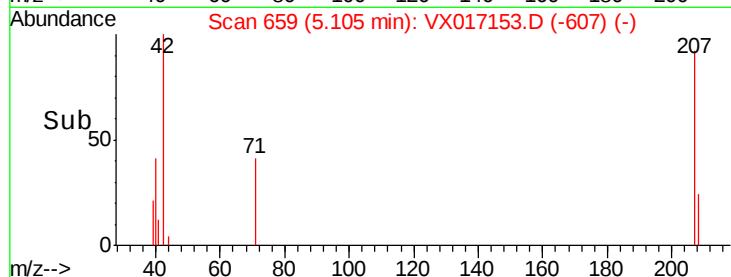
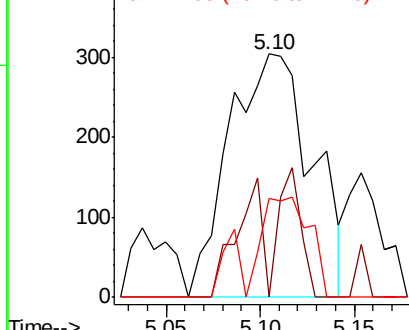
42 100

72 15.3 35.3 52.9#

71 5.6 33.1 49.7#



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



#31

Cyclohexane

Concen: 1.259 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

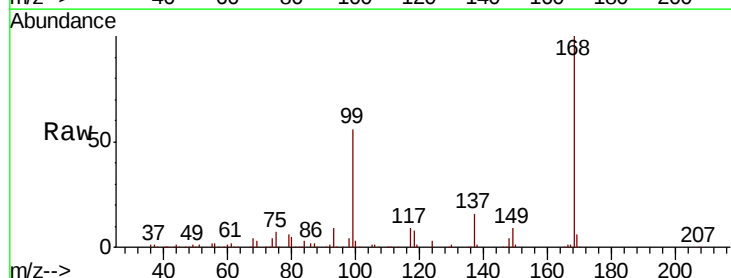
Tgt Ion: 56 Resp: 4471

Ion Ratio Lower Upper

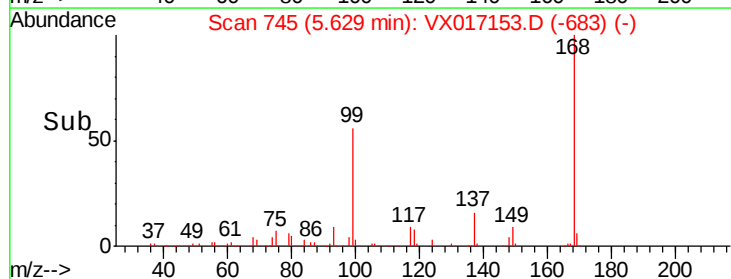
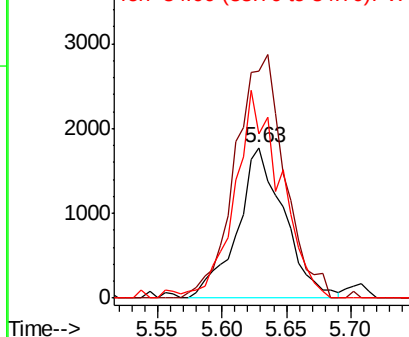
56 100

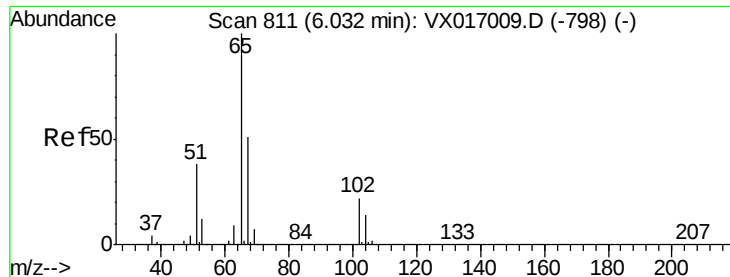
69 151.2 25.0 37.4#

84 108.9 69.1 103.7#



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: 53.066 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

Instrument :

MSVOA_X

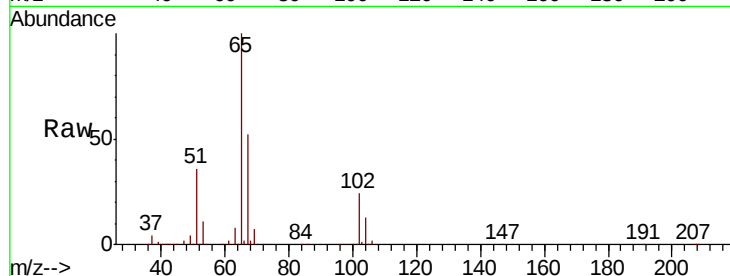
ClientSampleId :

Tot Ion: 65 Resp: 139588

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

60000

50000

40000

30000

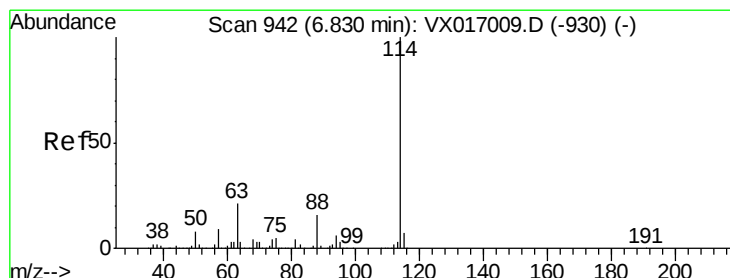
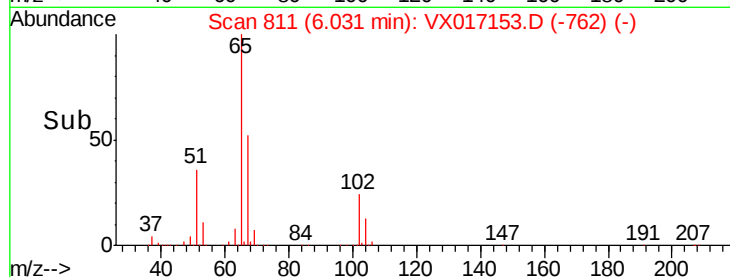
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

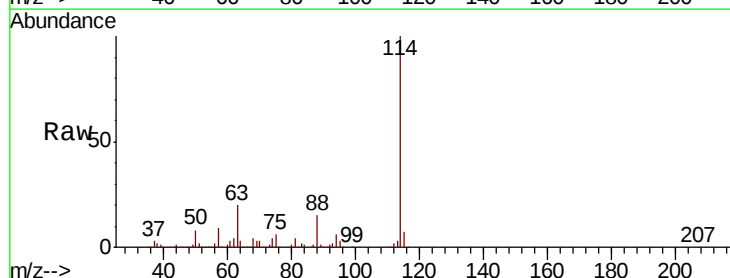
Tgt Ion: 114 Resp: 361690

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

88 14.9 0.0 32.4



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

200000

150000

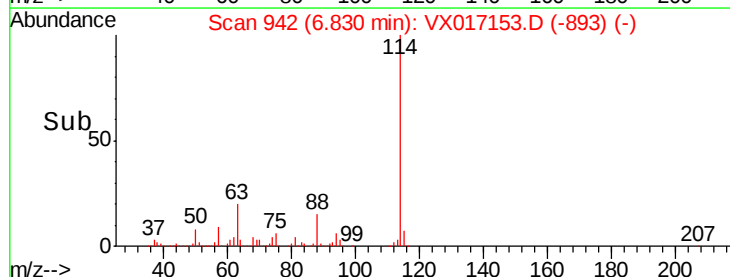
100000

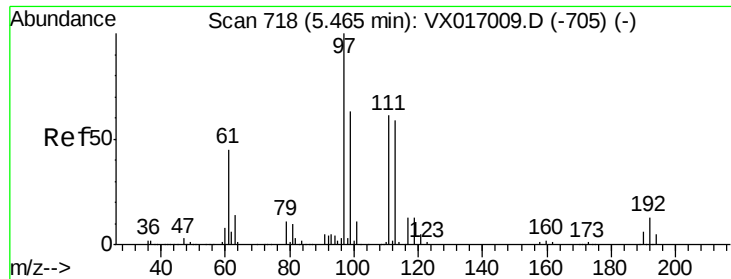
50000

0

Time-->

6.70 6.80 6.90 7.00

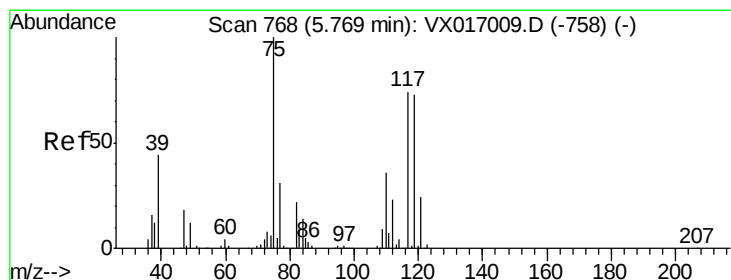
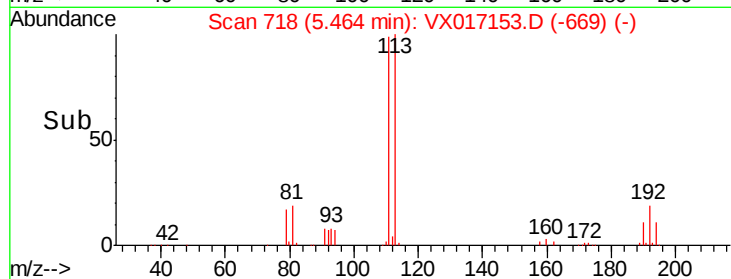
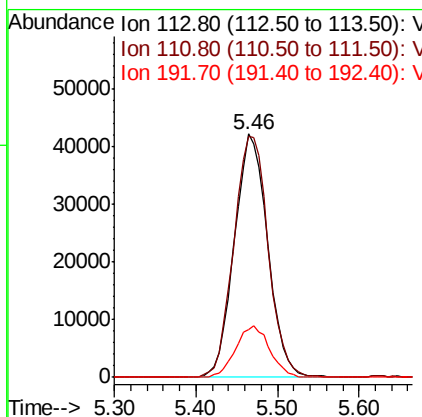
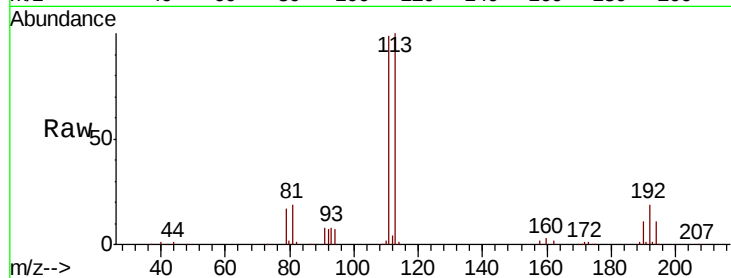




#35
 Dibromofluoromethane
 Concen: 52.187 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX017153.D
 Acq: 02 Jul 2020 17:03

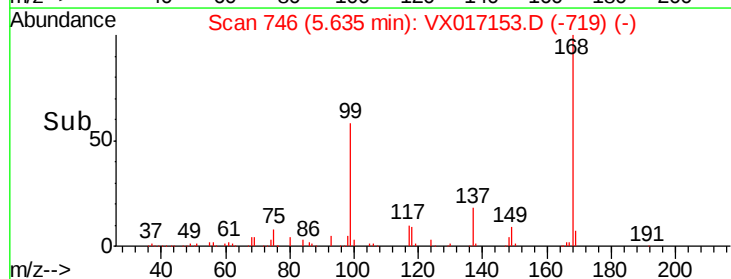
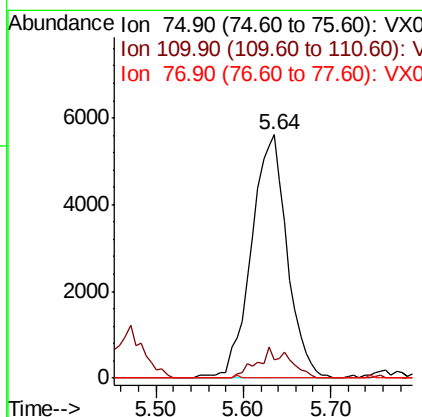
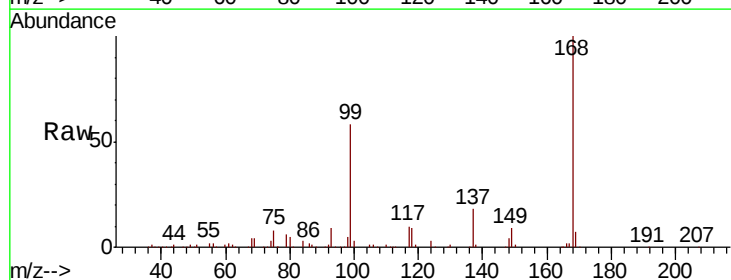
Instrument :
 MSVOA_X
 ClientSampled :

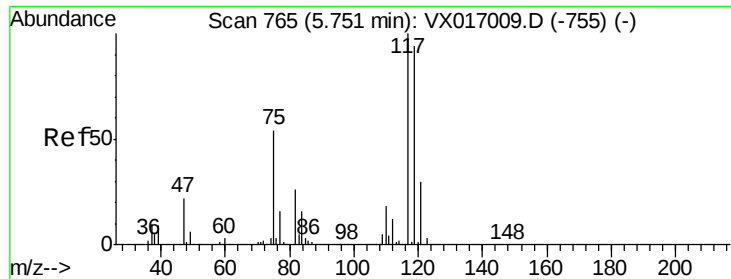
Tot Ion:113 Resp: 119400
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.9 122.9
 192 21.6 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.667 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017153.D
 Acq: 02 Jul 2020 17:03

Tgt Ion: 75 Resp: 15954
 Ion Ratio Lower Upper
 75 100
 110 7.2 18.1 54.1#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.637 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

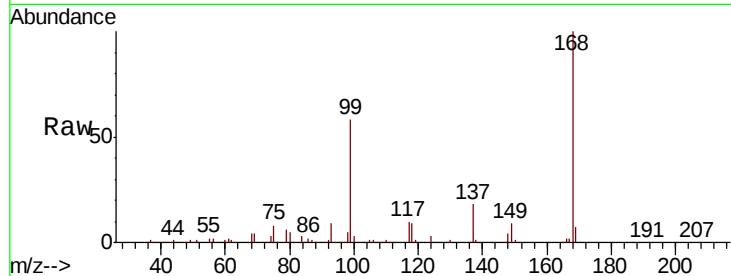
Tot Ion:117 Resp: 21223

Ion Ratio Lower Upper

117 100

119 6.1 75.4 113.0#

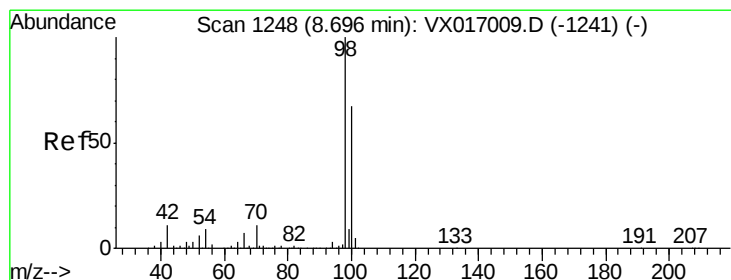
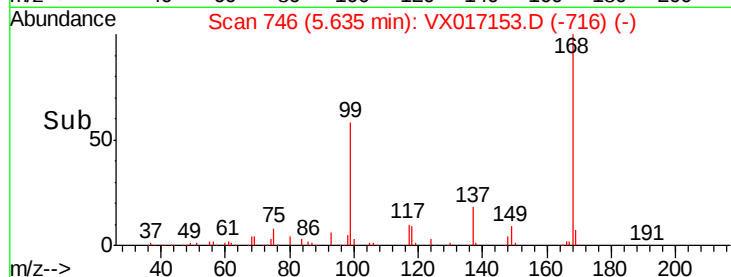
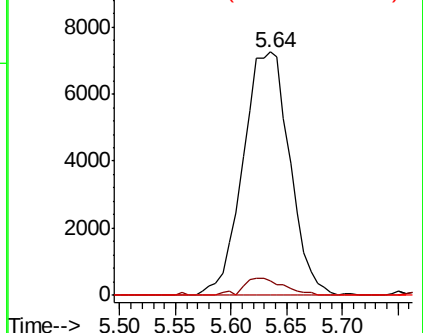
121 0.0 23.8 35.6#



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: 52.281 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017153.D

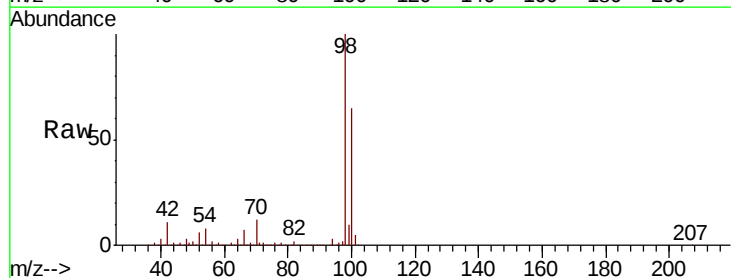
Acq: 02 Jul 2020 17:03

Tgt Ion: 98 Resp: 442317

Ion Ratio Lower Upper

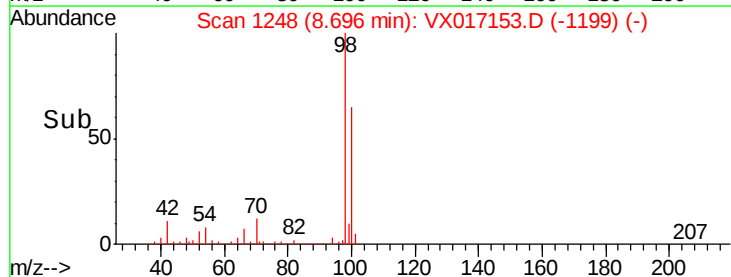
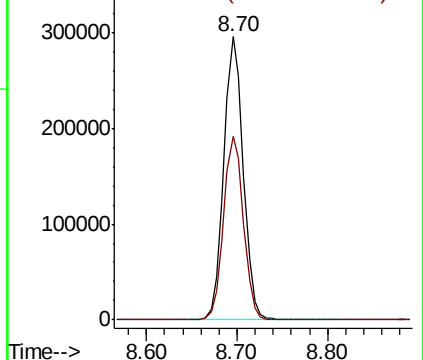
98 100

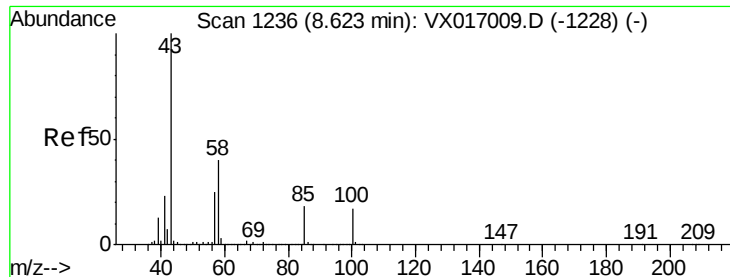
100 65.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.297 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

Instrument :

MSVOA_X

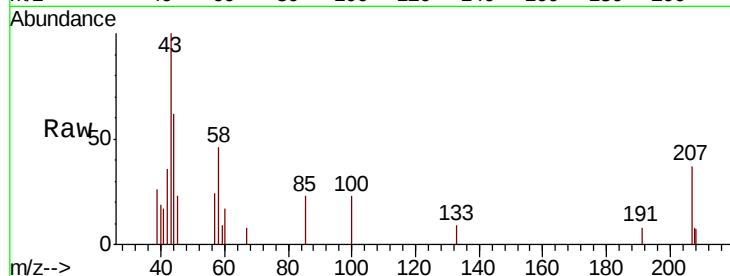
ClientSampled :

Tot Ion: 43 Resp: 1021

Ion Ratio Lower Upper

43 100

58 44.1 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VX017009.D (-1228) (-)

Ion 58.00 (57.70 to 58.70): VX017009.D (-1228) (-)

2500

2000

1500

1000

500

0

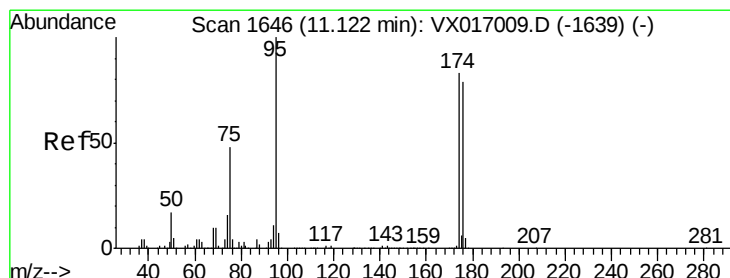
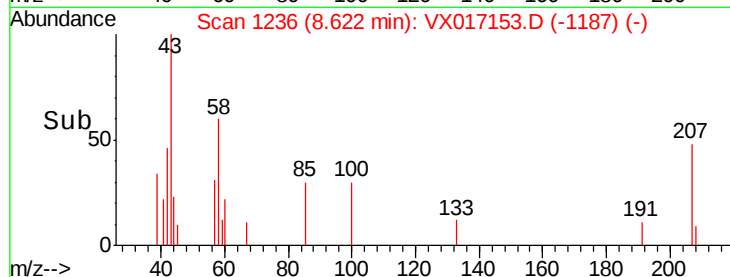
8.55

8.60

8.62

8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 55.107 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

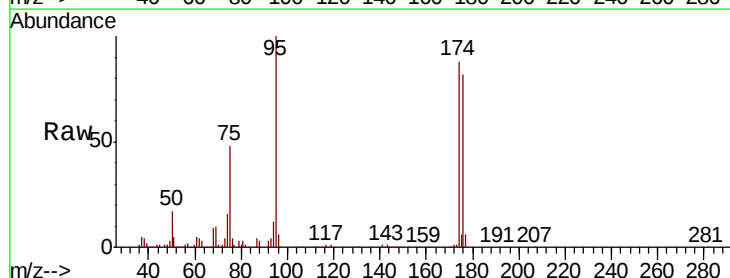
Tgt Ion: 95 Resp: 182252

Ion Ratio Lower Upper

95 100

174 84.6 0.0 164.0

176 80.7 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX017009.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017009.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017009.D (-1639) (-)

200000

150000

100000

50000

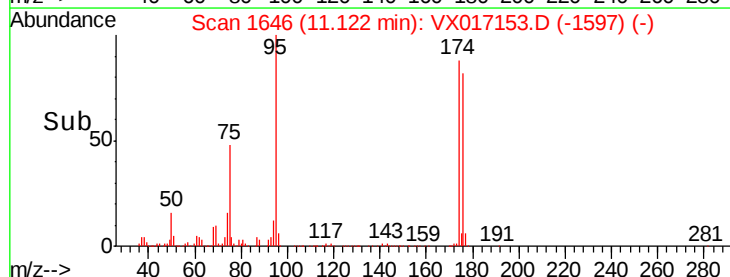
0

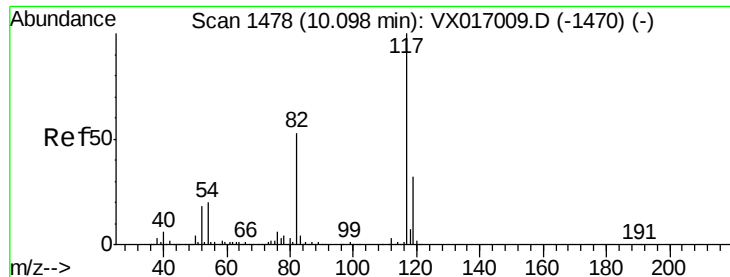
11.10

11.12

11.20

Time-->

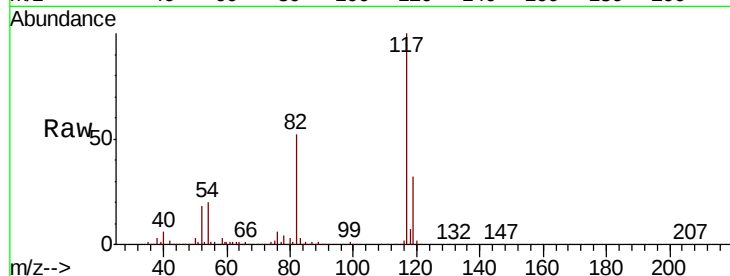




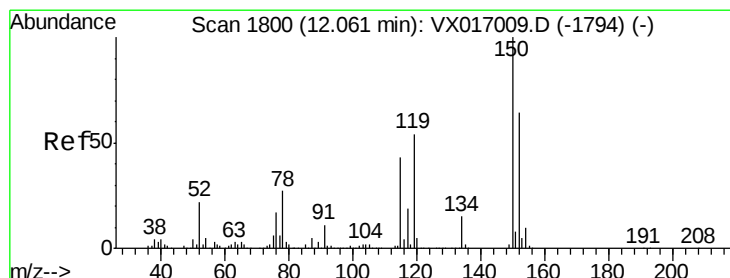
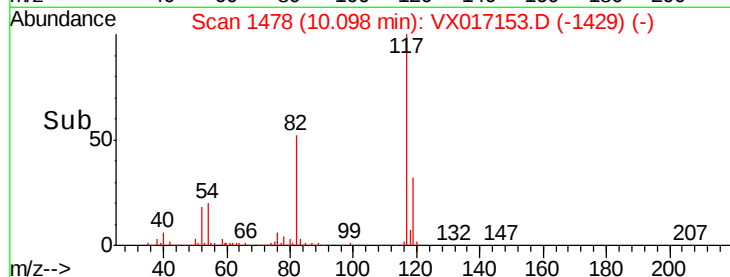
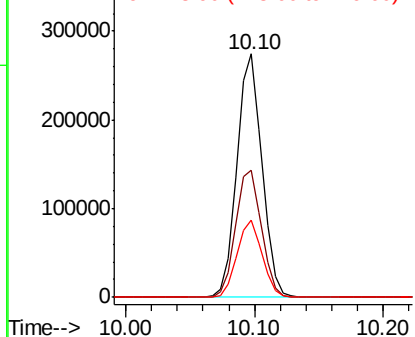
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017153.D
Acq: 02 Jul 2020 17:03

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.6	63.8
119	31.9	25.4	38.2

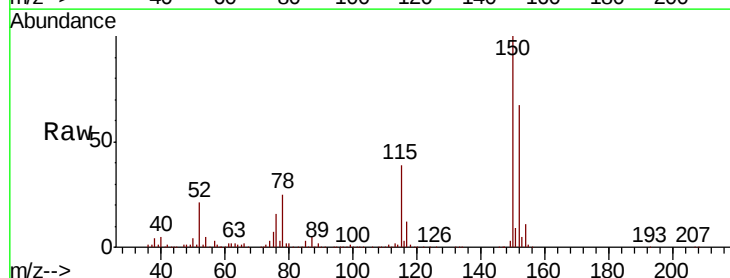


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

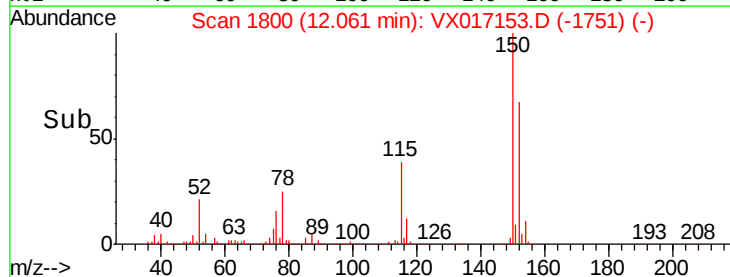
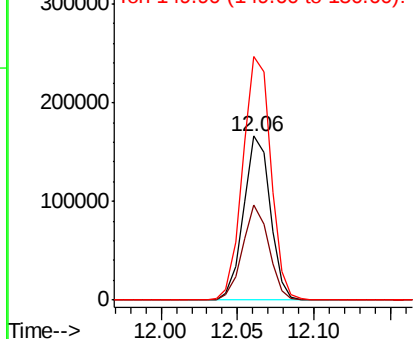


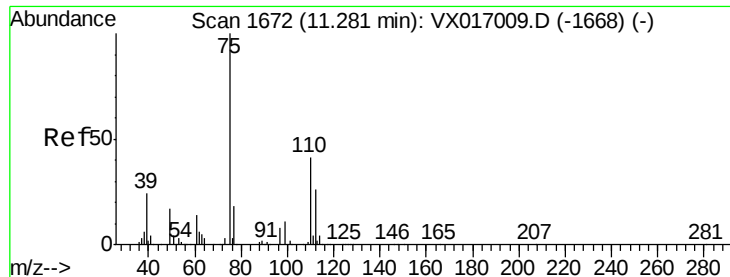
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017153.D
Acq: 02 Jul 2020 17:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	40.9	122.7
150	155.1	0.0	351.6



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: 23.073 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

Instrument :

MSVOA_X

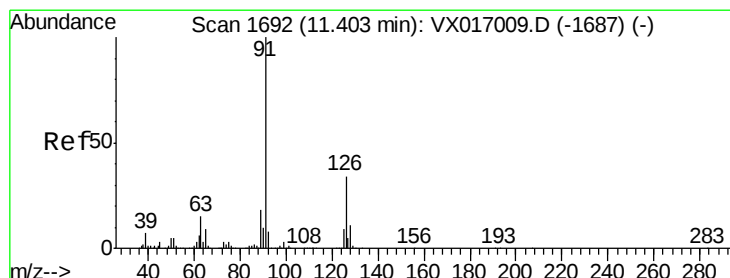
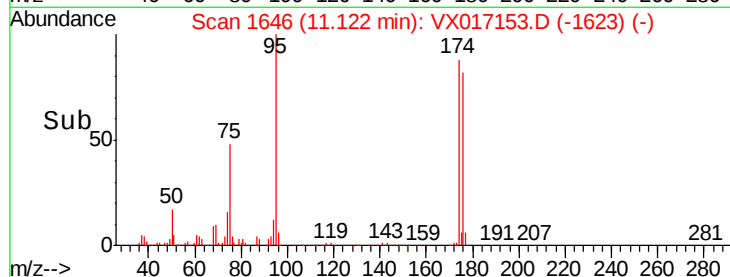
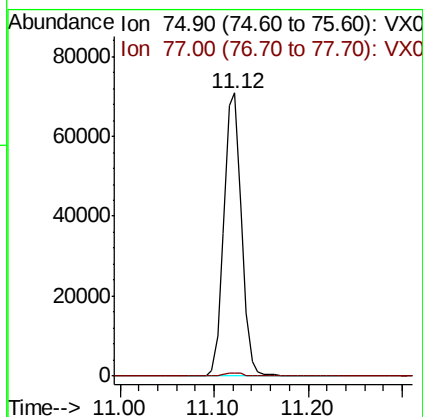
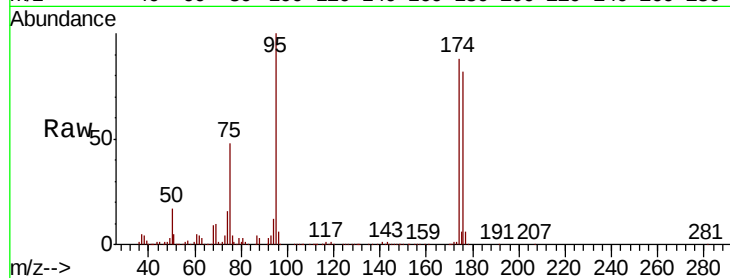
ClientSampled :

Tot Ion: 75 Resp: 91488

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#79

2-Chlorotoluene

Concen: 0.203 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017153.D

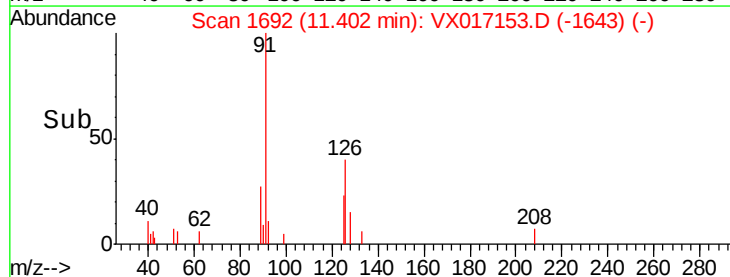
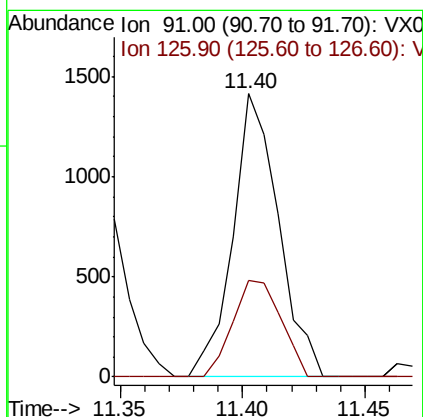
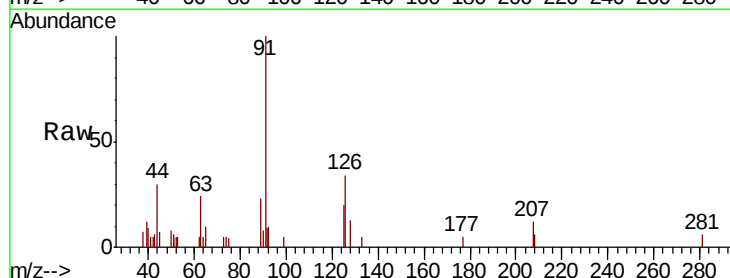
Acq: 02 Jul 2020 17:03

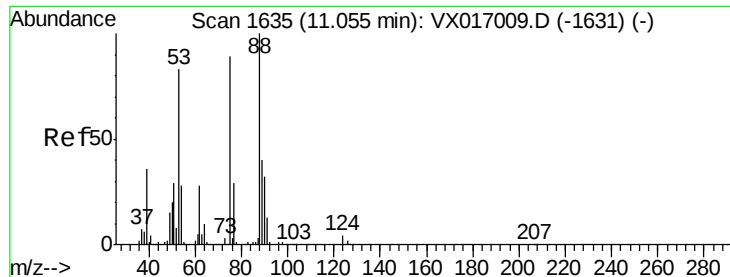
Tgt Ion: 91 Resp: 1836

Ion Ratio Lower Upper

91 100

126 36.2 17.4 52.3





#81

trans-1,4-Dichloro-2-butene

Concen: 59.751 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

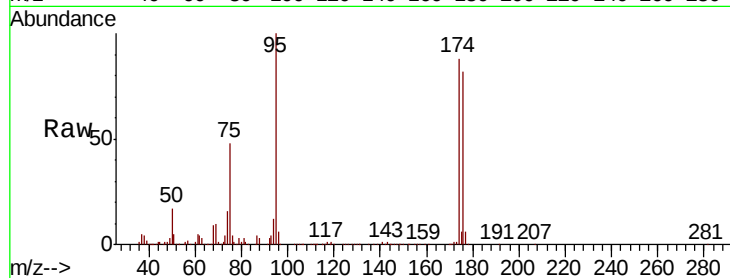
Tot Ion: 75 Resp: 91488

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

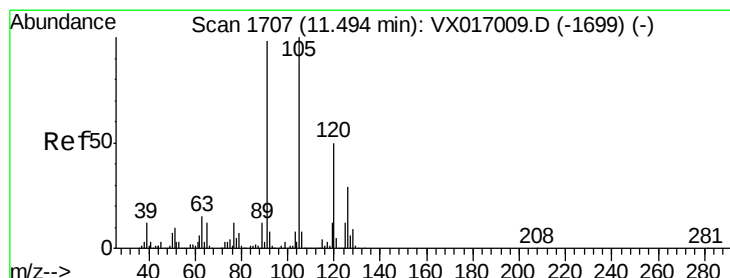
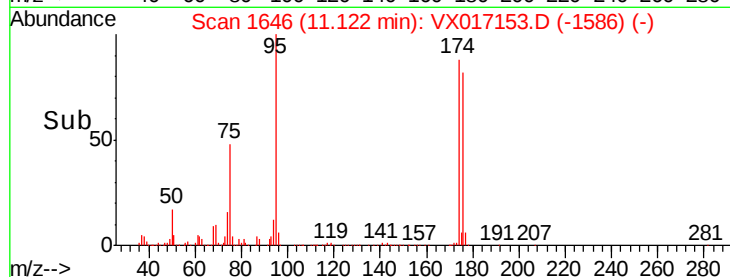
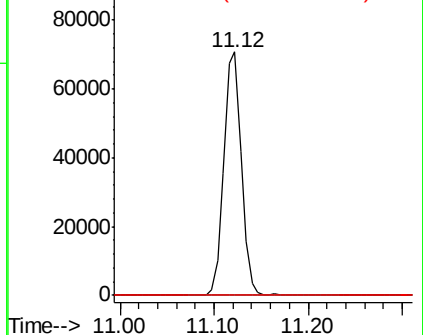
89 0.0 37.0 55.4#



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



#82

4-Chlorotoluene

Concen: 0.204 ug/l

RT: 11.50 min Scan# 1708

Delta R.T. 0.01 min

Lab File: VX017153.D

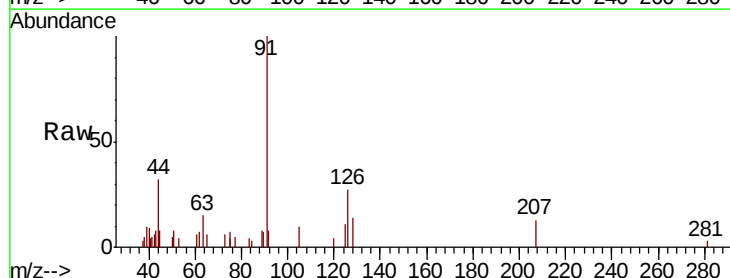
Acq: 02 Jul 2020 17:03

Tgt Ion: 91 Resp: 2205

Ion Ratio Lower Upper

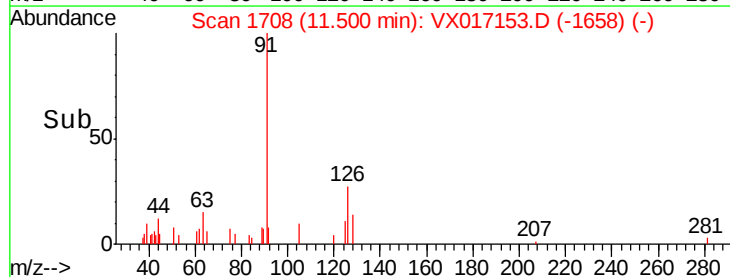
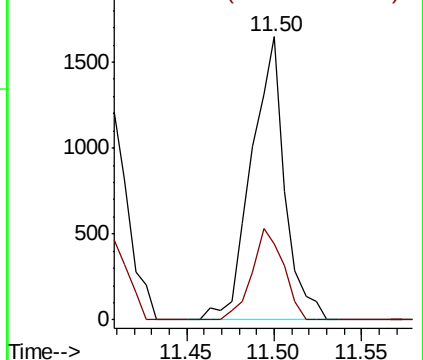
91 100

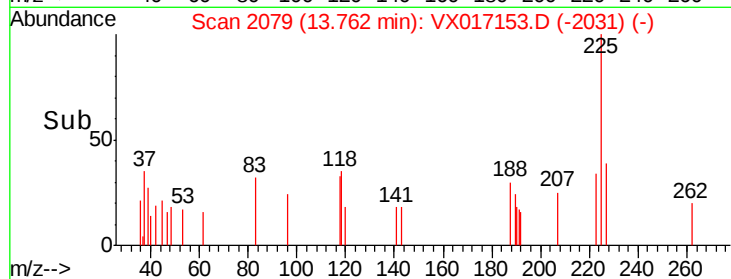
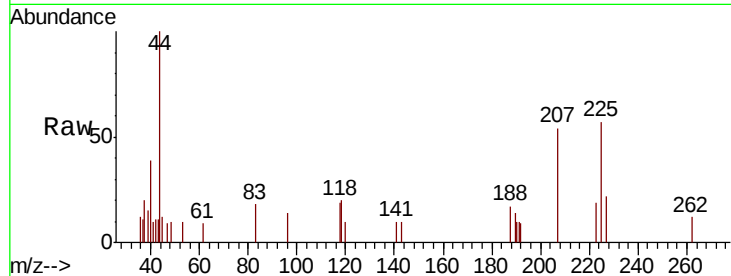
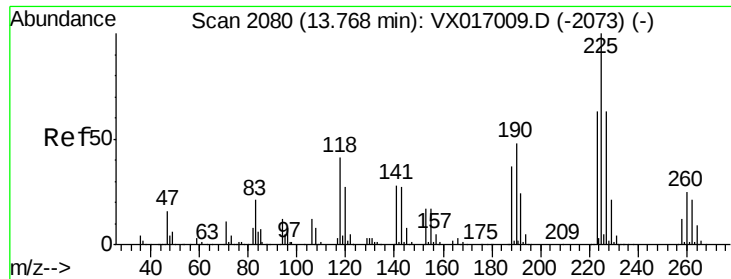
126 30.4 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#94

Hexachlorobutadiene

Concen: 1.033 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017153.D

Acq: 02 Jul 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	225	Resp:	307
Ion	Ratio	Lower	Upper
225	100		
223	46.6	32.5	97.5
227	31.6	33.1	99.2

