

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017013.D
 Acq On : 29 Jun 2020 17:47
 Operator : JC/SP
 Sample : VX0629WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0629WBL01

Quant Time: Jun 30 05:29:09 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	274429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	477591	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	481920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	244535	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	178443	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
35) Dibromofluoromethane	5.47	113	154811	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
50) Toluene-d8	8.70	98	581668	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
62) 4-Bromofluorobenzene	11.12	95	239002	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	

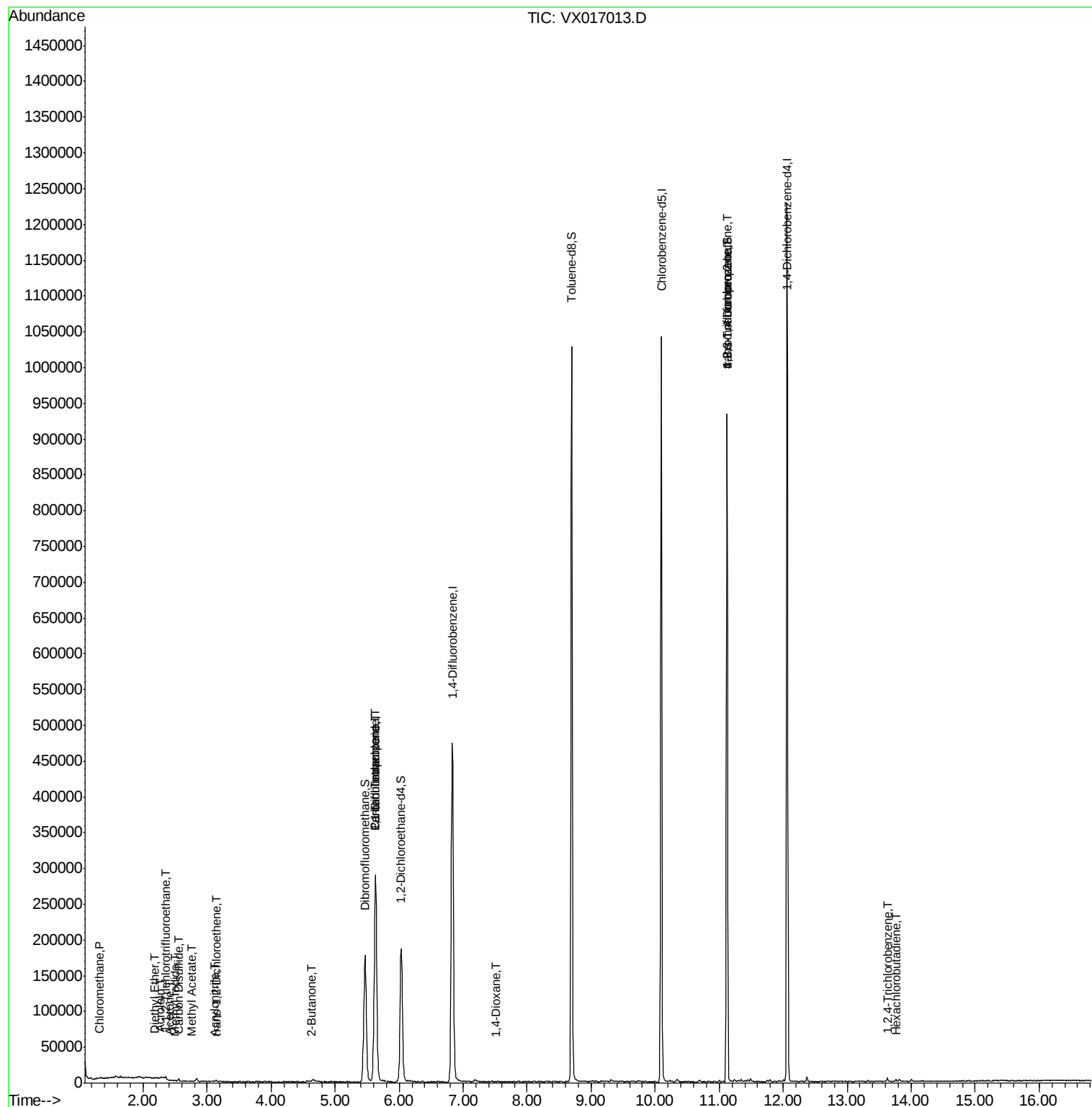
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	968	0.301	ug/l	100
8) Diethyl Ether	2.18	74	105	0.436	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	2.36	101	602	0.228	ug/l #	42
10) Methyl Iodide	2.50	142	1115	0.327	ug/l #	93
13) Acrolein	2.27	56	477	1.236	ug/l #	56
15) Acrylonitrile	3.12	53	662	0.427	ug/l #	68
16) Acetone	2.41	43	342	0.270	ug/l #	17
17) Carbon Disulfide	2.56	76	3858	0.532	ug/l #	78
18) Methyl Acetate	2.75	43	819	0.248	ug/l #	85
20) Methylene Chloride	2.84	84	1894	Below Cal		93
21) trans-1,2-Dichloroethene	3.15	96	655	0.217	ug/l #	84
25) 2-Butanone	4.63	43	613	0.291	ug/l	95
36) 1,1-Dichloropropene	5.63	75	20946	4.640	ug/l #	51
38) Carbon Tetrachloride	5.63	117	27928	5.617	ug/l #	16
44) Trichloroethene	7.20	130	1121	Below Cal		91
49) 1,4-Dioxane	7.50	88	24	0.293	ug/l #	24
76) 1,2,3-Trichloropropane	11.12	75	118500	24.643	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	118500	63.817	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	1186	Below Cal		96
93) 1,2,4-Trichlorobenzene	13.63	180	1213	0.238	ug/l	97
94) Hexachlorobutadiene	13.77	225	479	1.087	ug/l	97

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

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ClientSampled :
VX0629WBL01

Quant Time: Jun 30 05:29:09 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: VX017013.D

Acq: 29 Jun 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

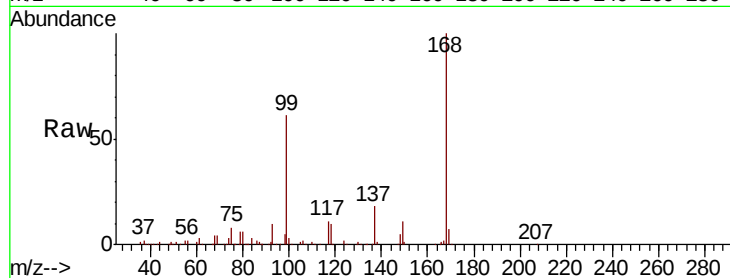
VX0629WBL01

Tot Ion:168 Resp: 274429

Ion Ratio Lower Upper

168 100

99 61.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

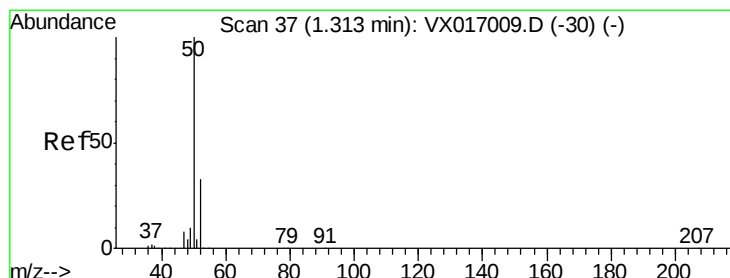
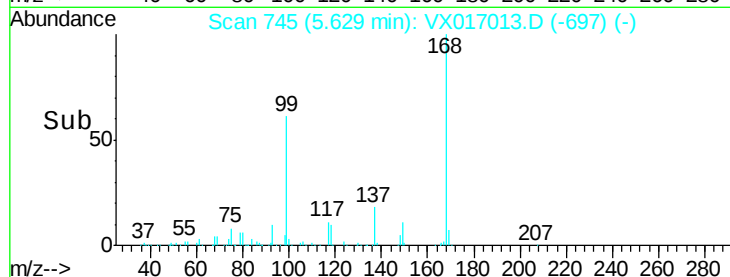
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.301 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017013.D

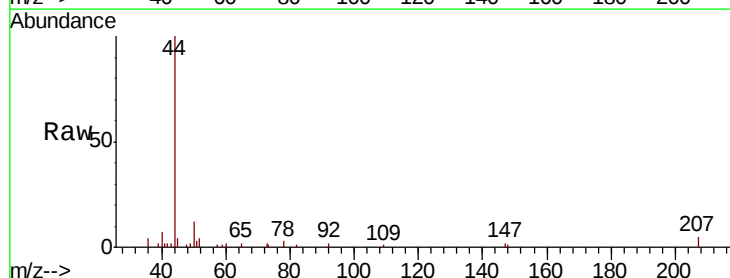
Acq: 29 Jun 2020 17:47

Tgt Ion: 50 Resp: 968

Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

500

400

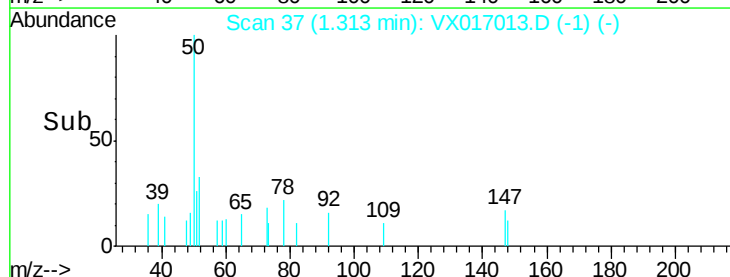
300

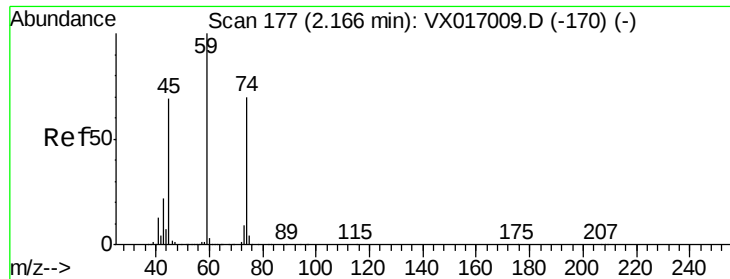
200

100

0

Time-->





#8

Diethyl Ether

Concen: 0.436 ug/l

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

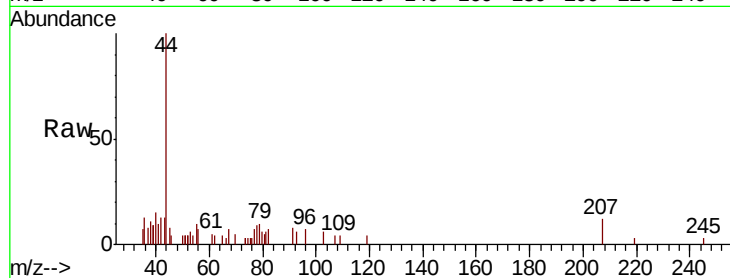
VX0629WBL01

Tot Ion: 74 Resp: 105

Ion Ratio Lower Upper

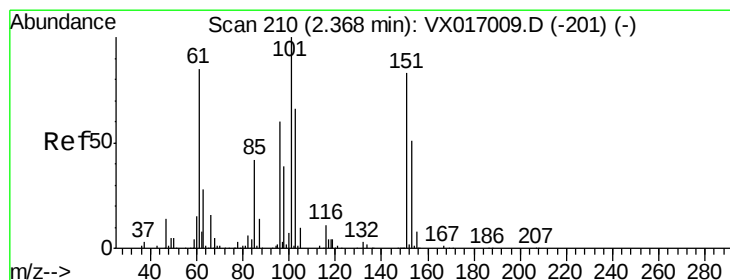
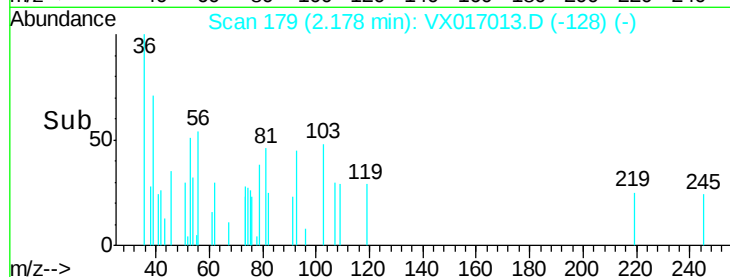
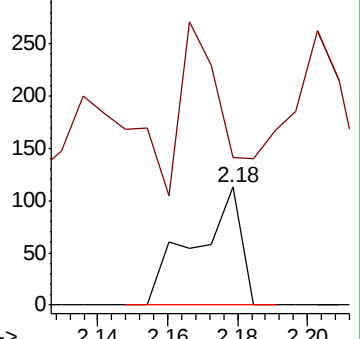
74 100

45 125.7 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.228 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

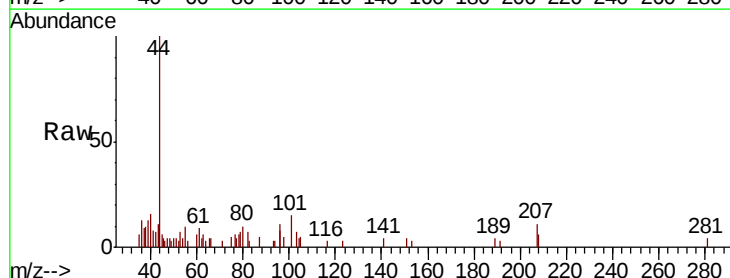
Tgt Ion:101 Resp: 602

Ion Ratio Lower Upper

101 100

85 0.0 33.5 50.3#

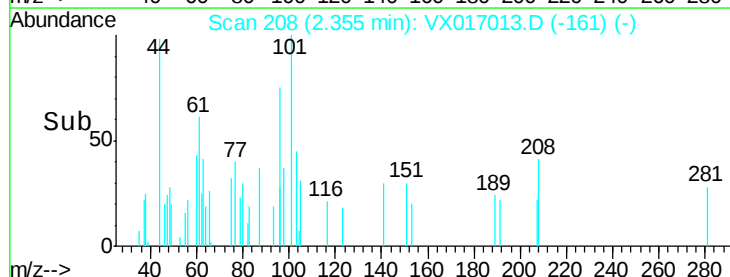
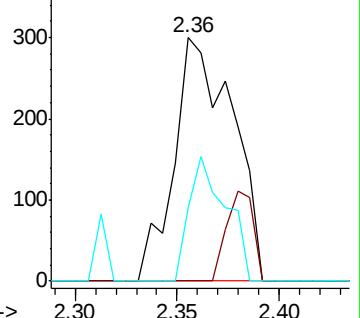
151 32.4 63.8 95.6#

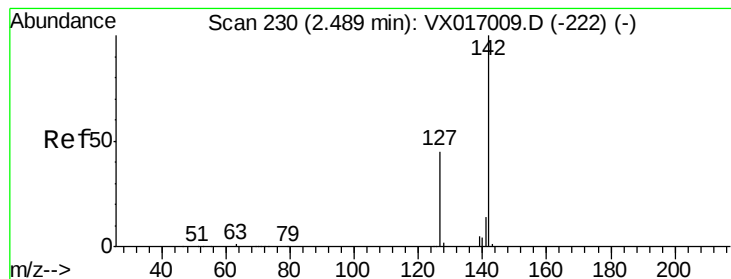


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#10

Methvl Iodide

Concen: 0.327 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0629WBL01

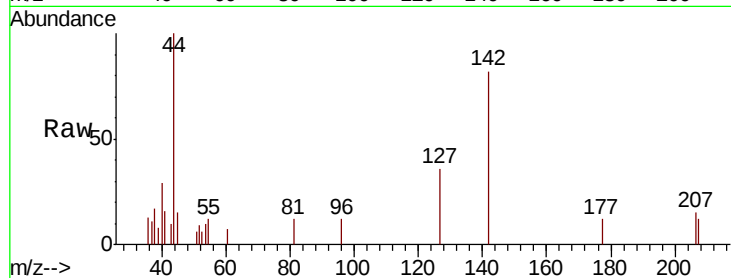
Tot Ion:142 Resp: 1115

Ion Ratio Lower Upper

142 100

127 41.2 36.6 54.8

141 11.2 11.6 17.4#



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

2.50

800

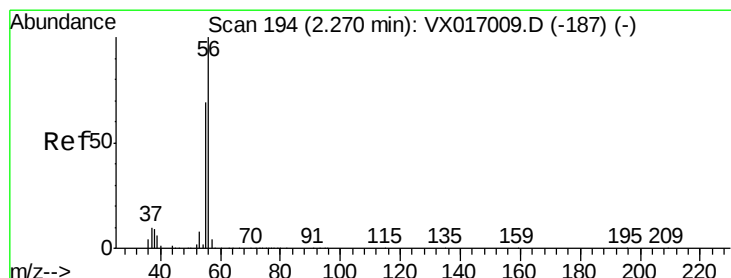
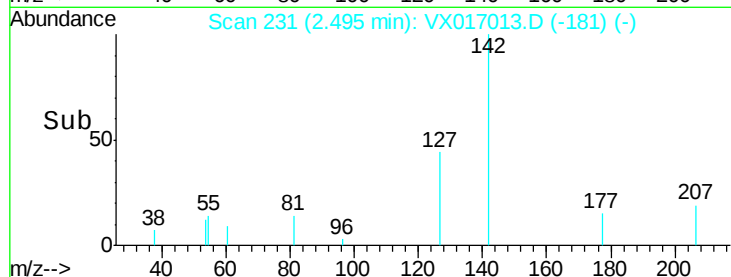
600

400

200

0

Time-->



#13

Acrolein

Concen: 1.236 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017013.D

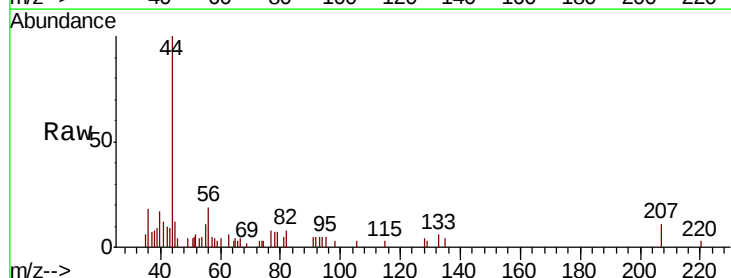
Acq: 29 Jun 2020 17:47

Tgt Ion: 56 Resp: 477

Ion Ratio Lower Upper

56 100

55 105.2 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

400

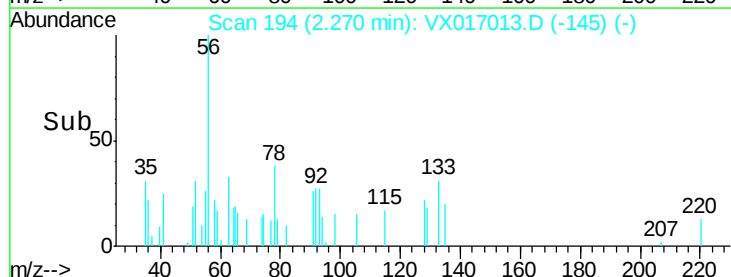
300

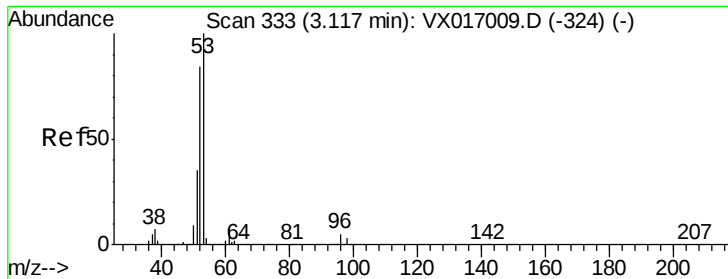
200

100

0

Time-->





#15

Acrylonitrile

Concen: 0.427 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0629WBL01

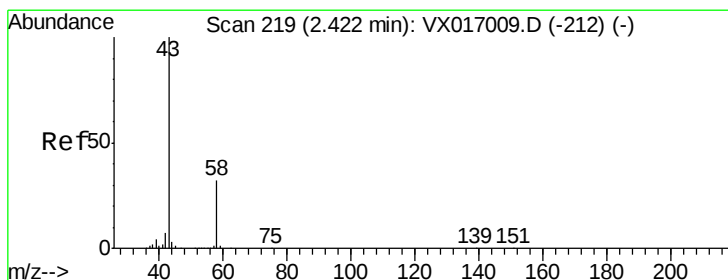
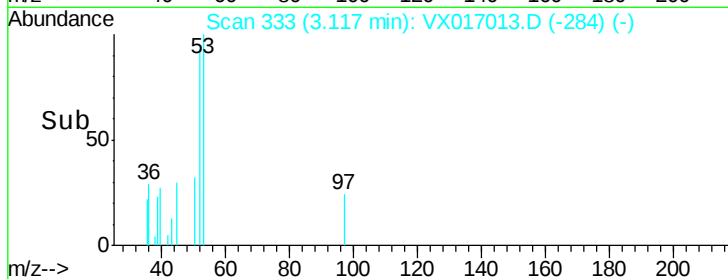
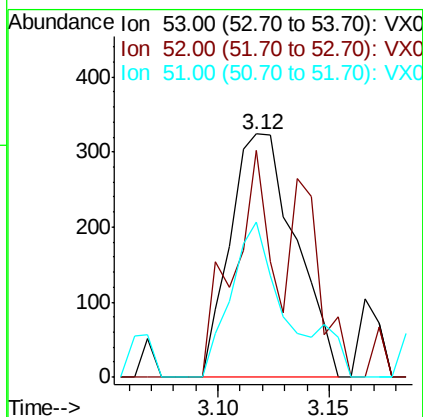
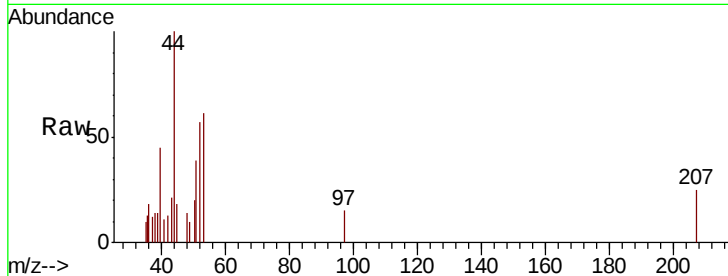
Tot Ion: 53 Resp: 662

Ion Ratio Lower Upper

53 100

52 54.2 65.6 98.4#

51 55.0 28.3 42.5#



#16

Acetone

Concen: 0.270 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX017013.D

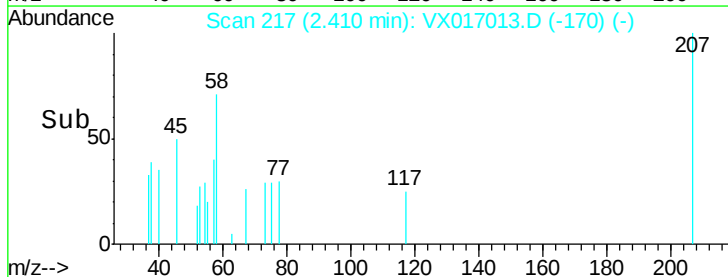
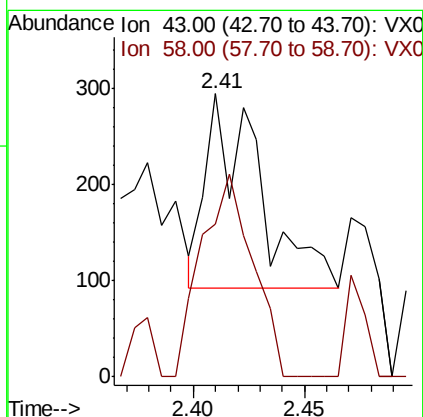
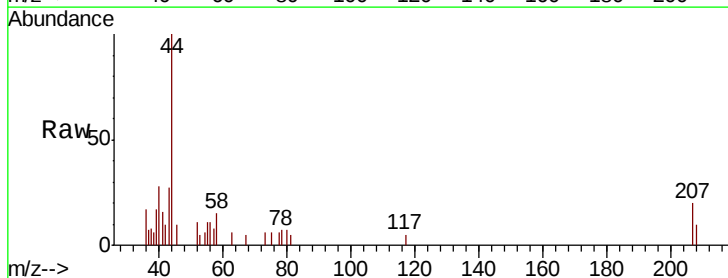
Acq: 29 Jun 2020 17:47

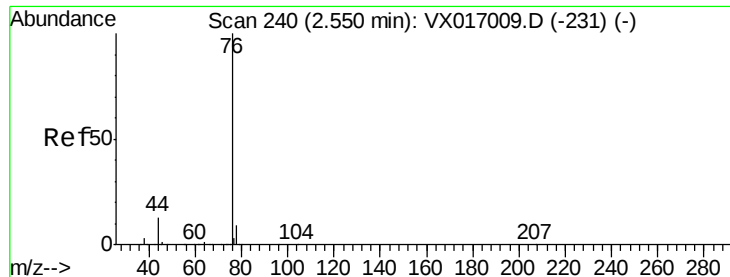
Tgt Ion: 43 Resp: 342

Ion Ratio Lower Upper

43 100

58 78.7 25.7 38.5#





#17

Carbon Disulfide

Concen: 0.532 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

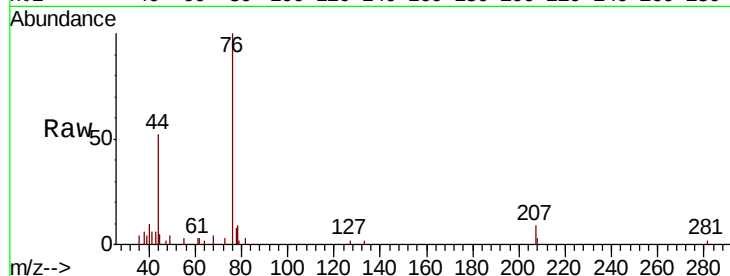
VX0629WBL01

Tot Ion: 76 Resp: 3858

Ion Ratio Lower Upper

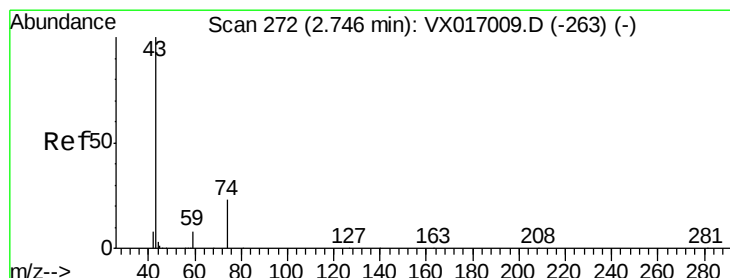
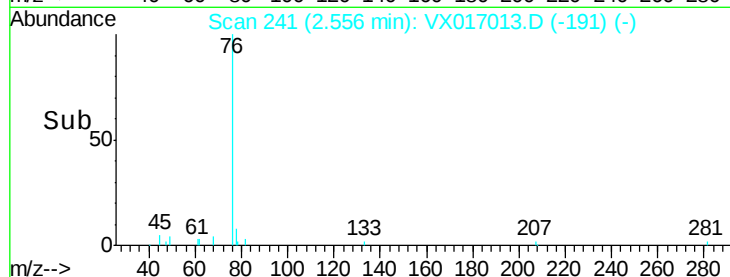
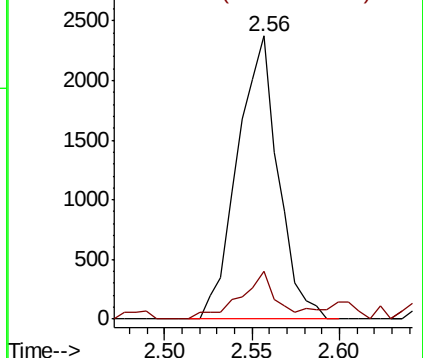
76 100

78 16.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.248 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017013.D

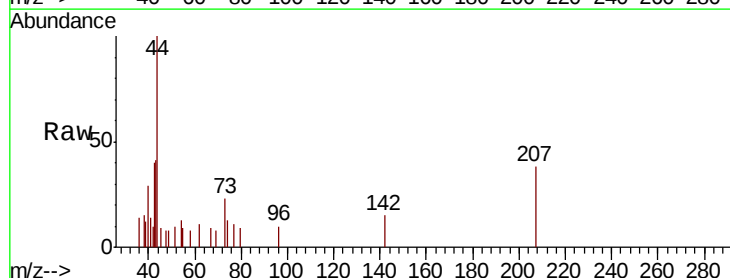
Acq: 29 Jun 2020 17:47

Tgt Ion: 43 Resp: 819

Ion Ratio Lower Upper

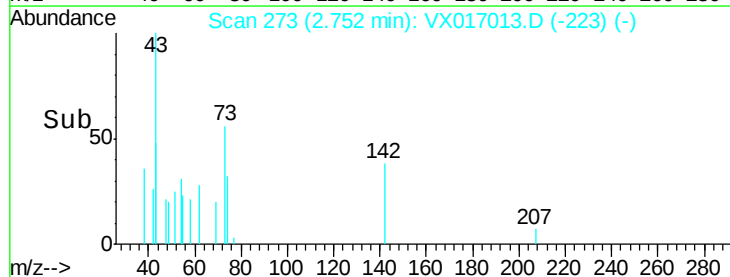
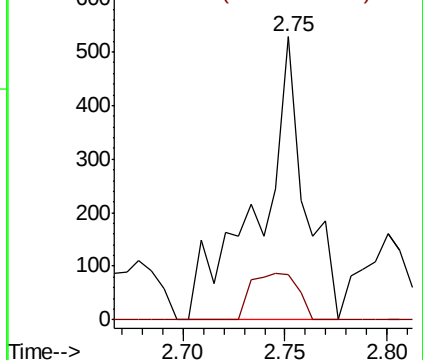
43 100

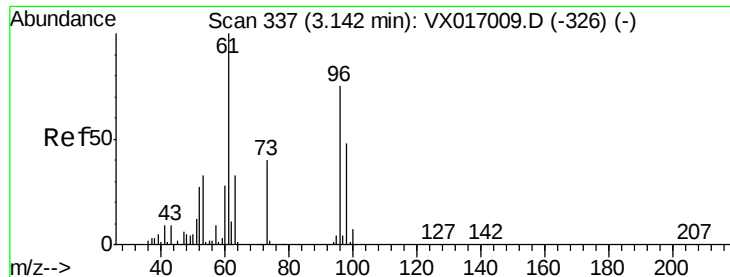
74 16.8 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.217 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

Instrument :

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ClientSampleId :

VX0629WBL01

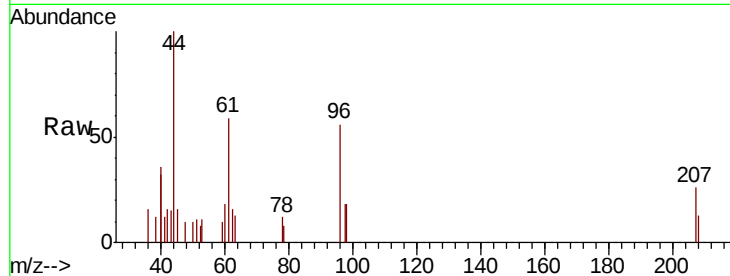
Tot Ion: 96 Resp: 655

Ion Ratio Lower Upper

96 100

61 105.7 107.0 160.6#

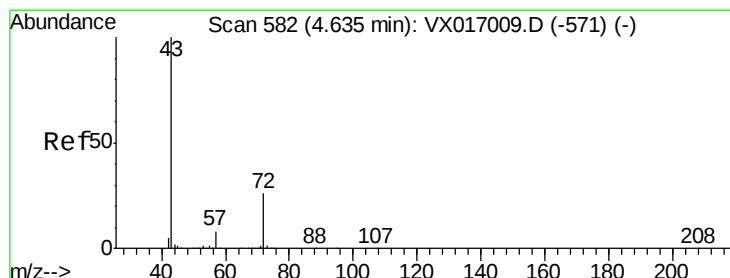
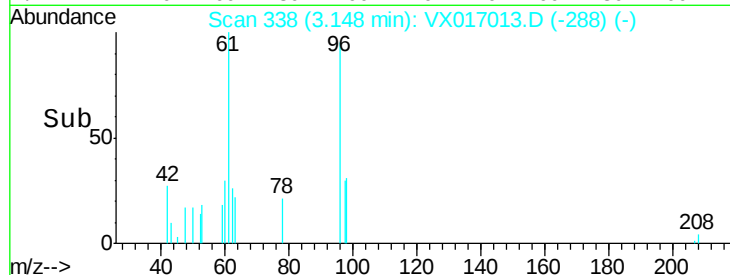
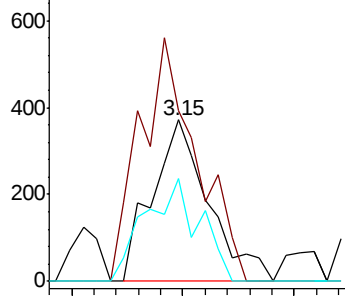
98 63.6 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.291 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX017013.D

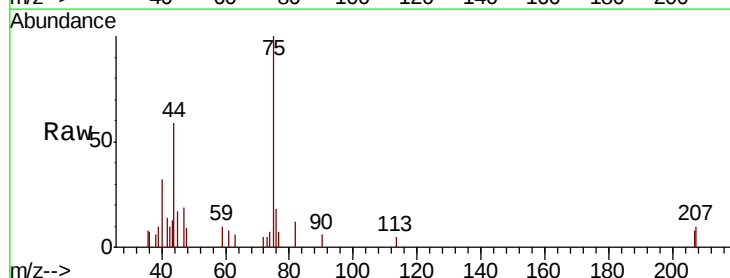
Acq: 29 Jun 2020 17:47

Tgt Ion: 43 Resp: 613

Ion Ratio Lower Upper

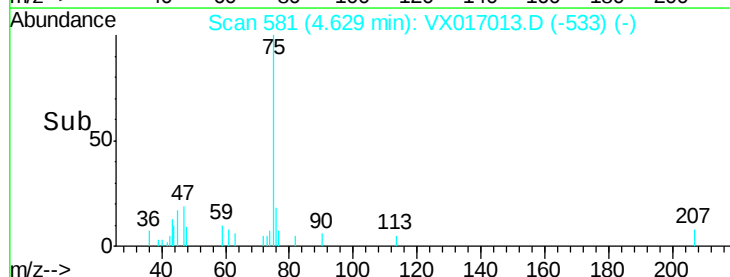
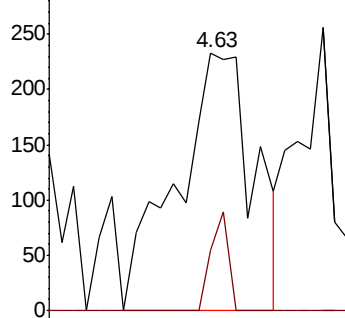
43 100

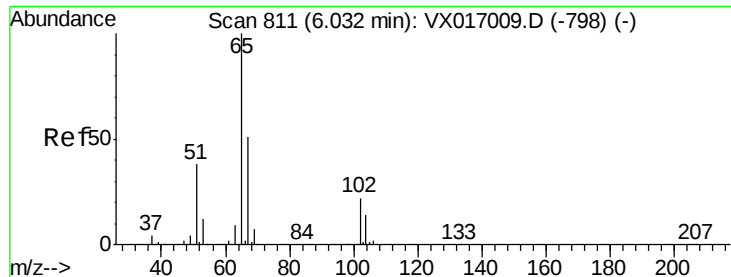
72 23.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.745 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

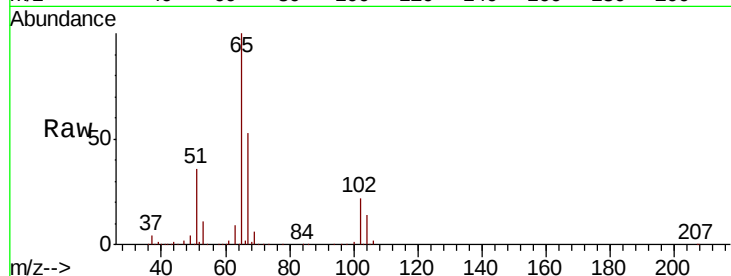
VX0629WBL01

Tot Ion: 65 Resp: 178443

Ion Ratio Lower Upper

65 100

67 52.2 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

80000

60000

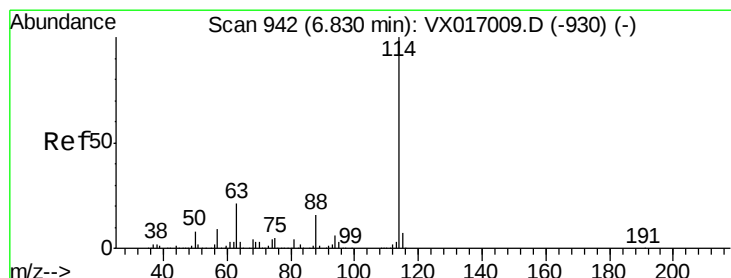
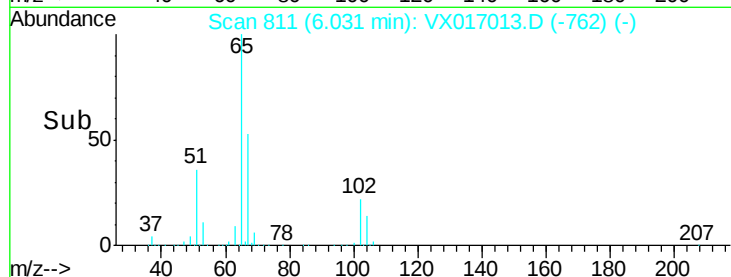
40000

20000

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: VX017013.D

Acq: 29 Jun 2020 17:47

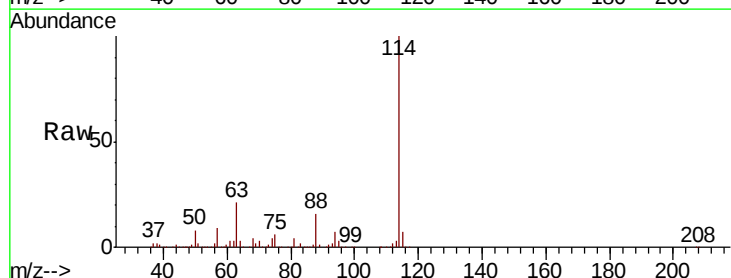
Tgt Ion: 114 Resp: 477591

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.4

88 16.3 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

250000

200000

150000

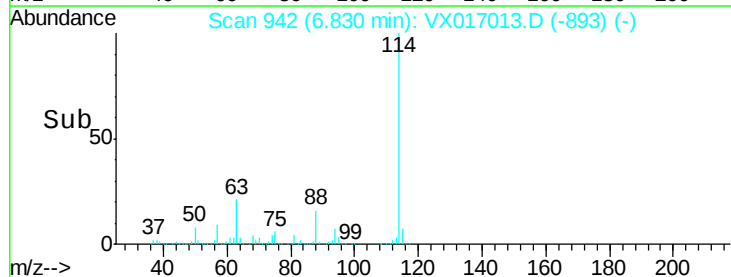
100000

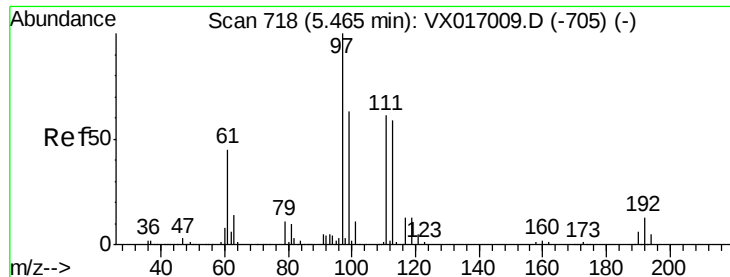
50000

0

Time-->

6.70 6.80 6.90 7.00

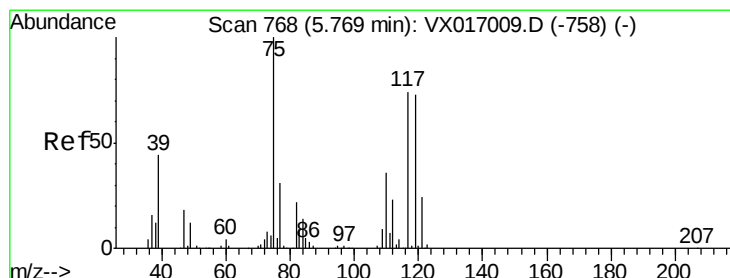
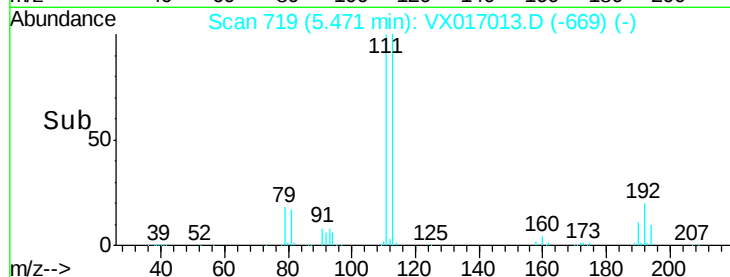
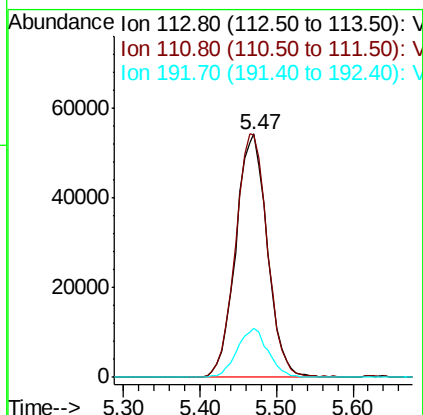
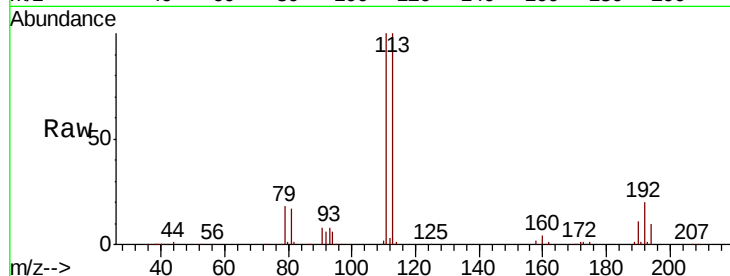




#35
 Dibromofluoromethane
 Concen: 51.243 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017013.D
 Acq: 29 Jun 2020 17:47

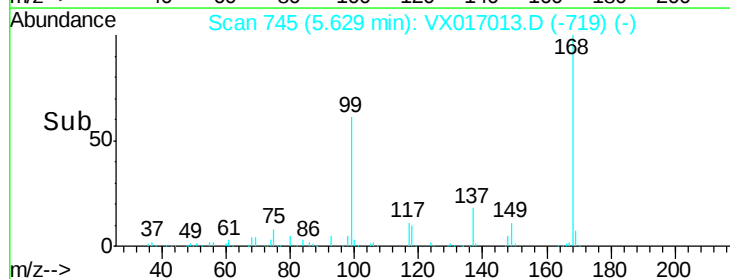
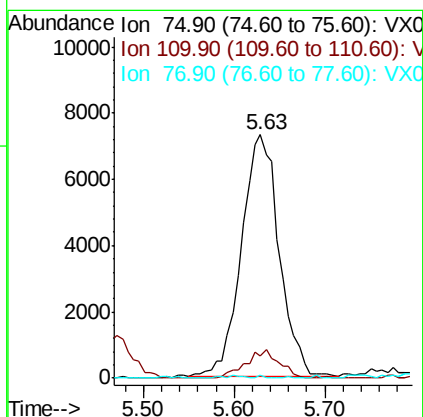
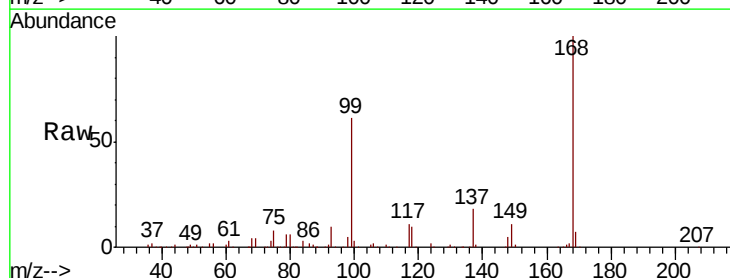
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0629WBL01

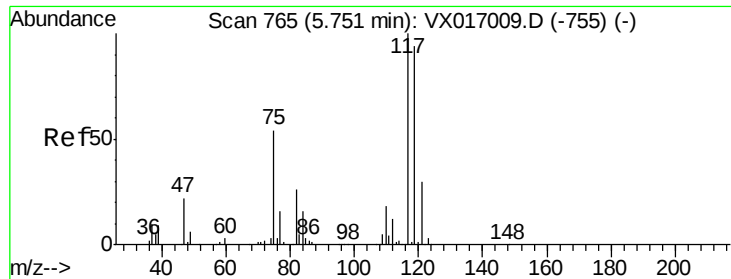
Tot Ion:113 Resp: 154811
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.9 122.9
 192 19.8 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.640 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017013.D
 Acq: 29 Jun 2020 17:47

Tgt Ion: 75 Resp: 20946
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.1 54.1#
 77 0.2 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.617 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

Instrument :

MSVOA_X

ClientSampled :

VX0629WBL01

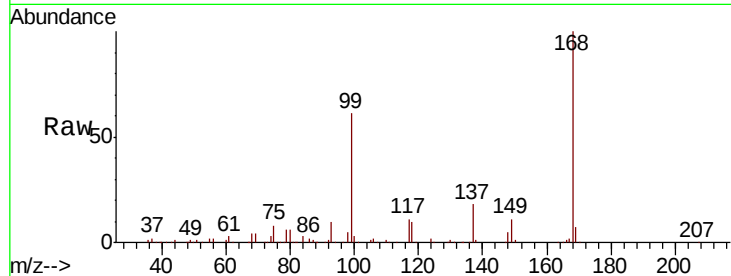
Tot Ion:117 Resp: 27928

Ion Ratio Lower Upper

117 100

119 3.9 75.4 113.0#

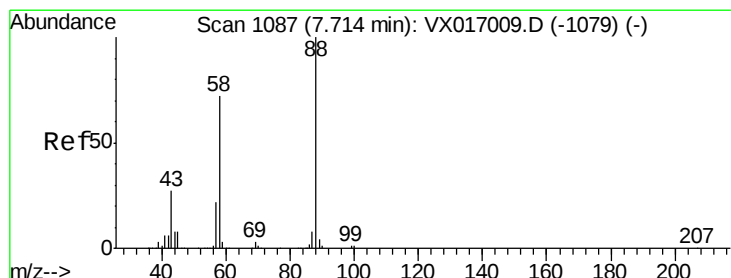
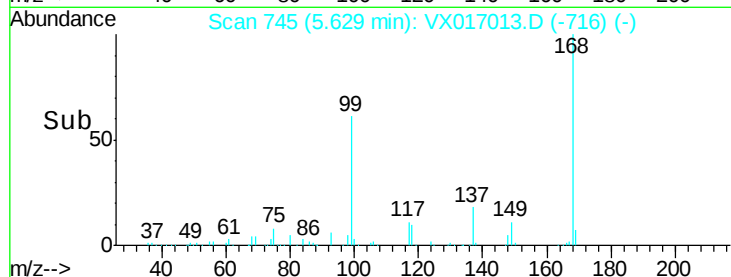
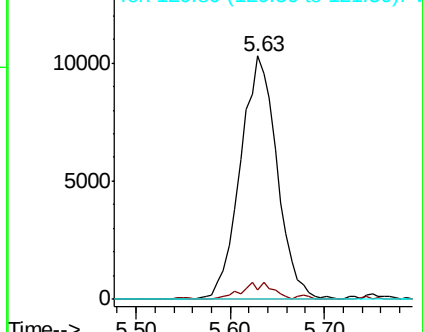
121 0.0 23.8 35.6#



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



#49

1,4-Dioxane

Concen: 0.293 ug/l

RT: 7.50 min Scan# 1052

Delta R.T. -0.21 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

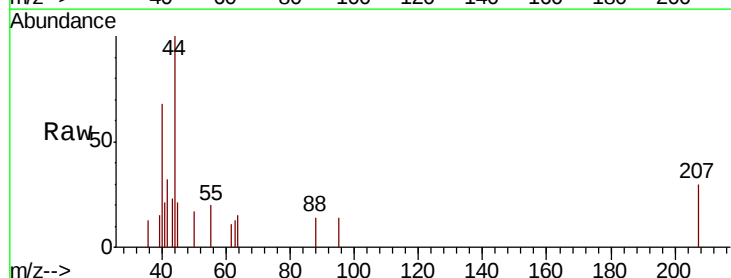
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.8#

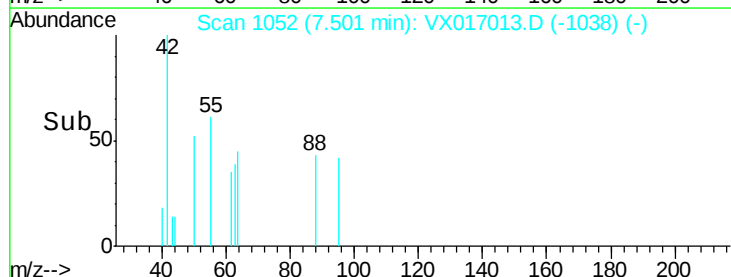
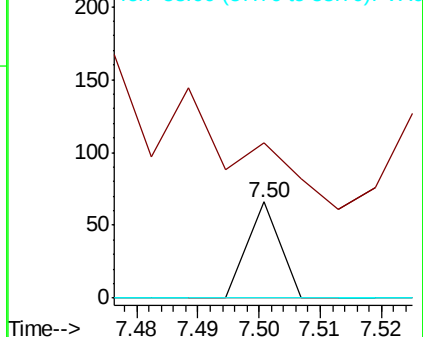
58 0.0 54.8 82.2#

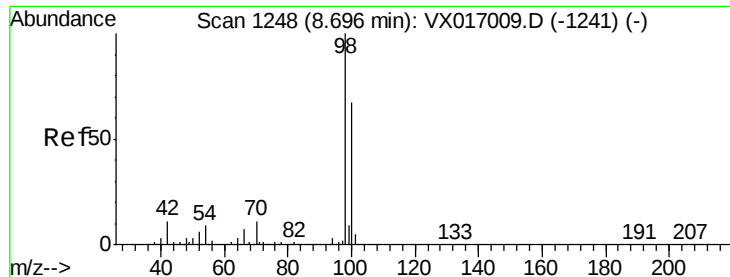


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.068 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

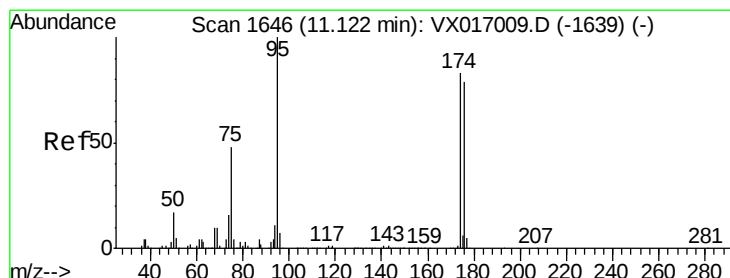
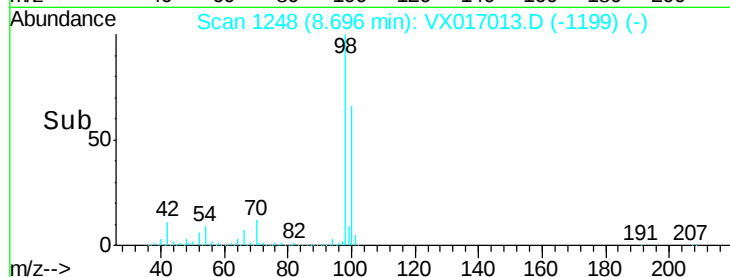
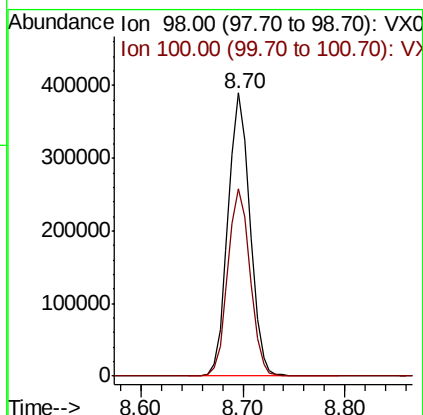
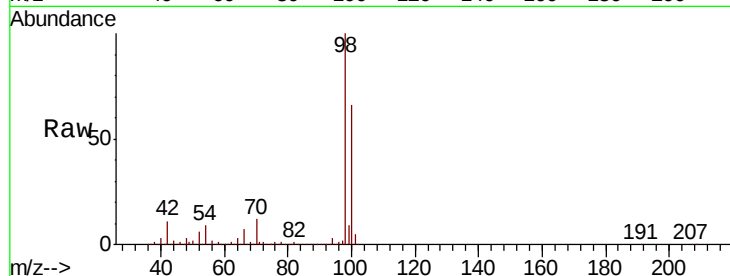
VX0629WBL01

Tot Ion: 98 Resp: 581668

Ion Ratio Lower Upper

98 100

100 66.8 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 54.729 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

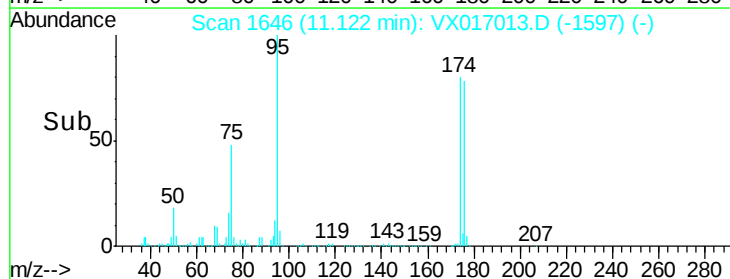
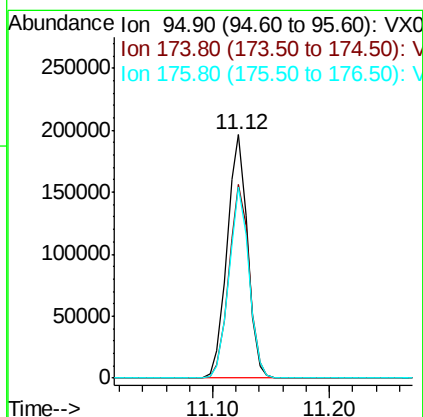
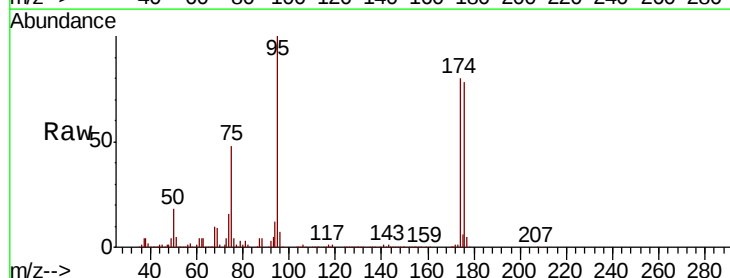
Tgt Ion: 95 Resp: 239002

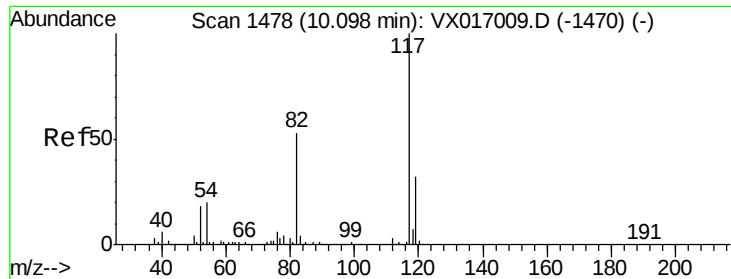
Ion Ratio Lower Upper

95 100

174 79.5 0.0 164.0

176 77.0 0.0 157.6

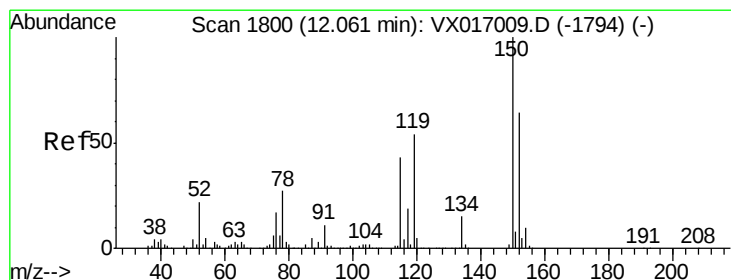
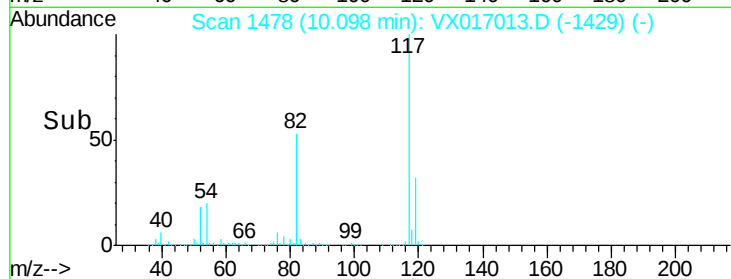
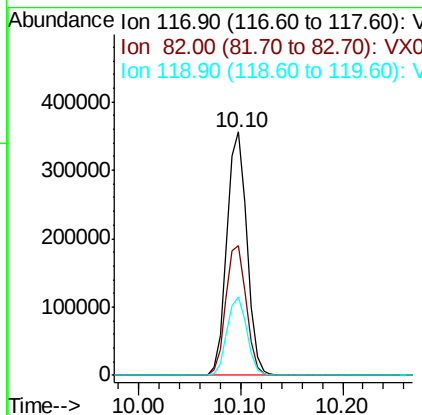
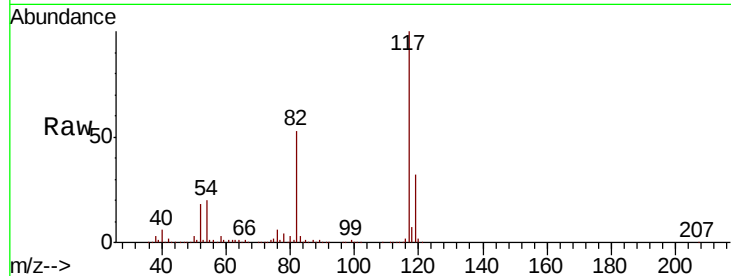




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017013.D
Acq: 29 Jun 2020 17:47

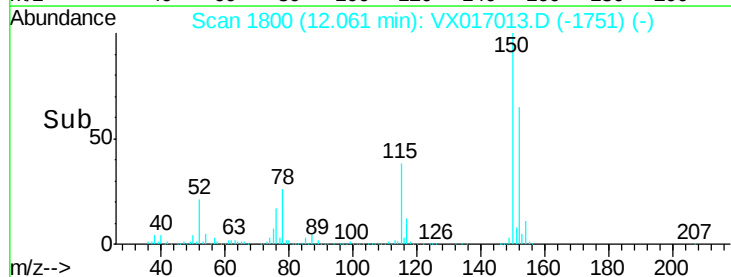
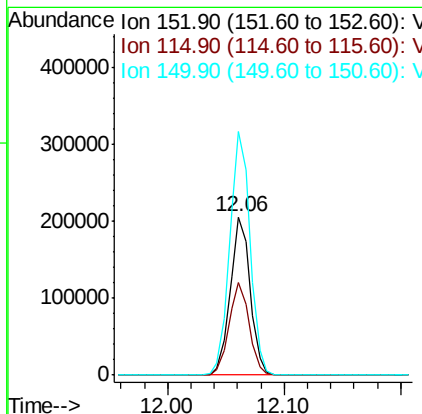
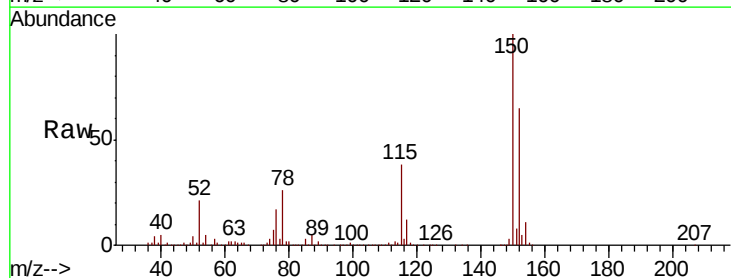
Instrument :
MSVOA_X
ClientSampleId :
VX0629WBL01

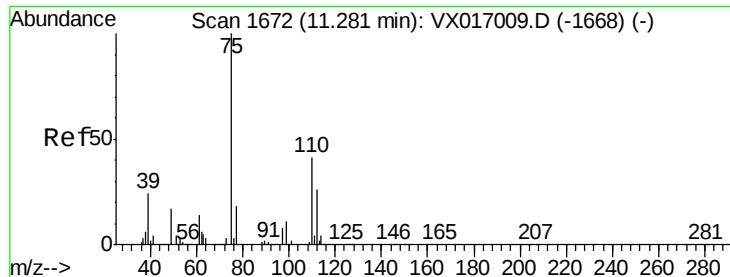
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.6	63.8
119	32.3	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017013.D
Acq: 29 Jun 2020 17:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	40.9	122.7
150	156.6	0.0	351.6





#76

1,2,3-Trichloropropane

Concen: 24.643 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

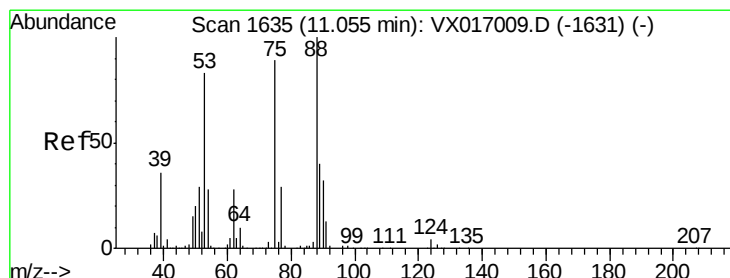
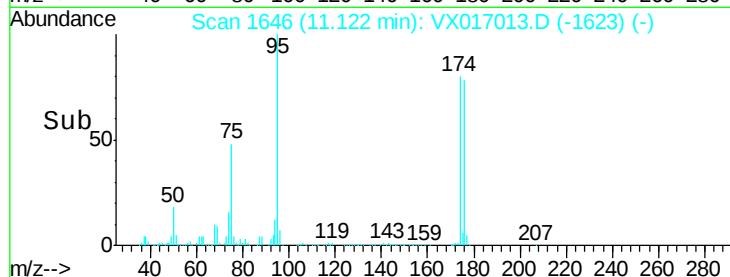
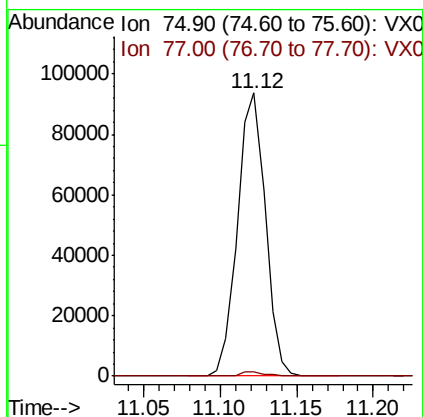
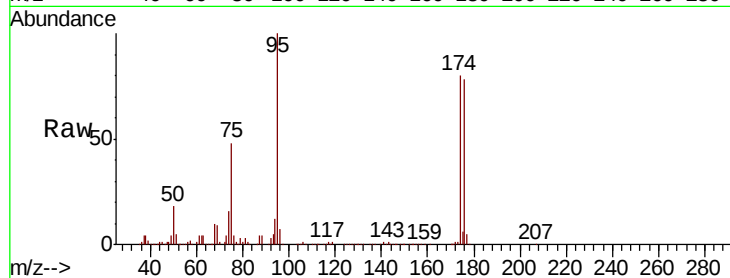
VX0629WBL01

Tot Ion: 75 Resp: 118500

Ion Ratio Lower Upper

75 100

77 1.5 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.817 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017013.D

Acq: 29 Jun 2020 17:47

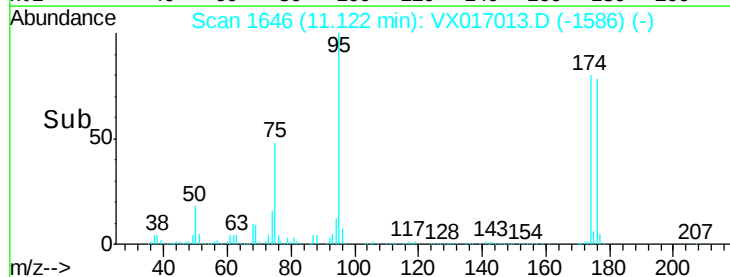
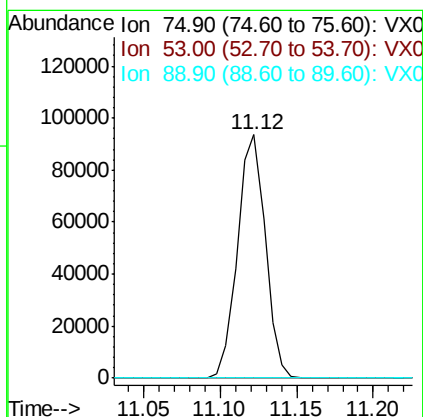
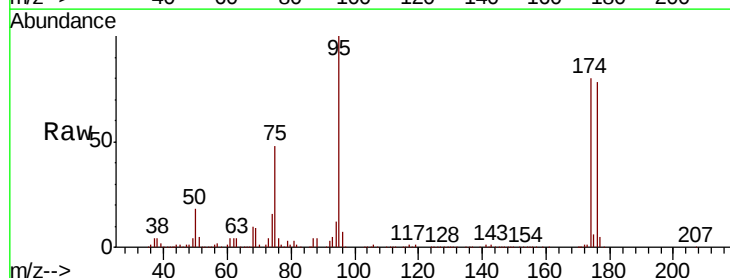
Tgt Ion: 75 Resp: 118500

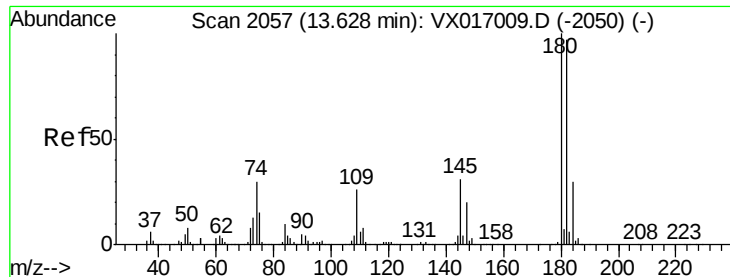
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#

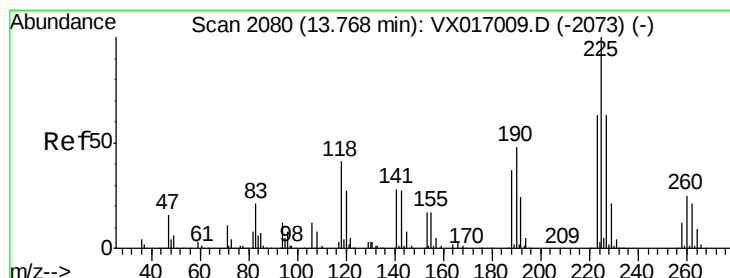
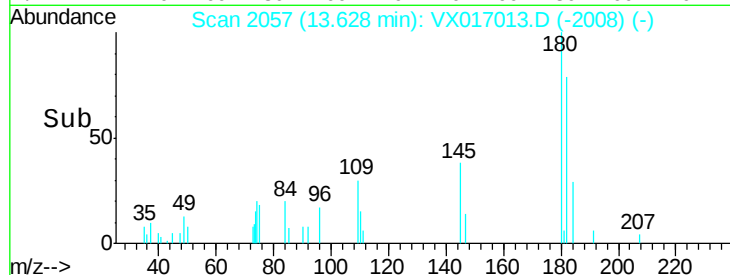
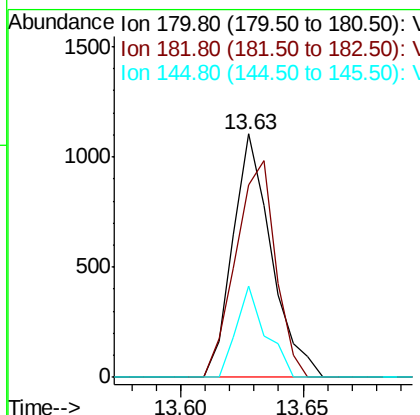
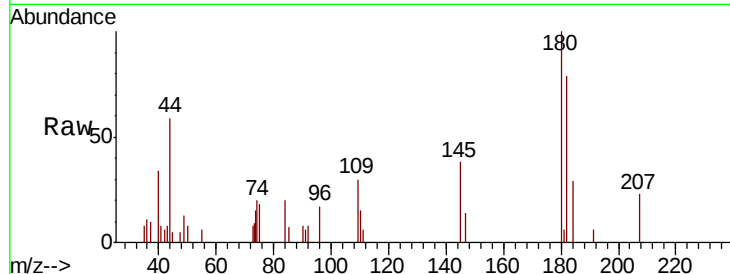




#93
 1,2,4-Trichlorobenzene
 Concen: 0.238 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017013.D
 Acq: 29 Jun 2020 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0629WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.3	141.9
145	28.4	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 1.087 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX017013.D
 Acq: 29 Jun 2020 17:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.5	97.5
227	64.1	33.1	99.2

