

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072020\
 Data File : VX017431.D
 Acq On : 20 Jul 2020 11:10
 Operator : JC/SP
 Sample : VX0720WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBL01

Quant Time: Jul 21 02:01:48 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	5.62	168	254034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	426594	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	434635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	235986	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	163672	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
35) Dibromofluoromethane	5.46	113	145141	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	8.70	98	518729	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.12	95	217671	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	

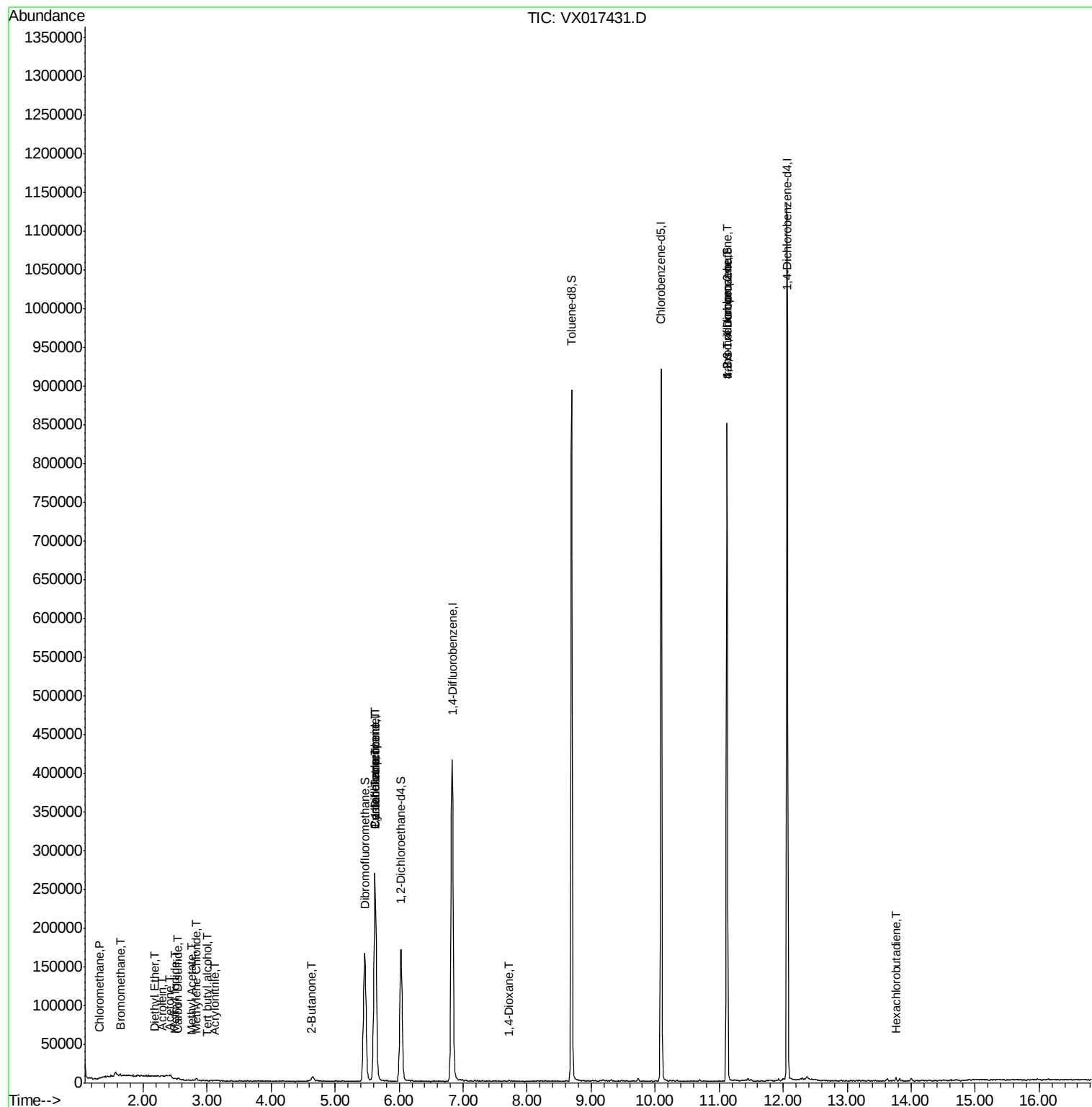
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	759	0.314	ug/l #	85
5) Bromomethane	1.64	94	1292	0.829	ug/l	81
8) Diethyl Ether	2.17	74	335	0.235	ug/l	73
10) Methyl Iodide	2.50	142	2056	3.016	ug/l	93
11) Tert butyl alcohol	3.01	59	311	0.579	ug/l #	64
13) Acrolein	2.29	56	214	0.727	ug/l #	68
15) Acrylonitrile	3.12	53	874	0.671	ug/l #	89
16) Acetone	2.41	43	695	0.611	ug/l	92
17) Carbon Disulfide	2.55	76	2441	0.362	ug/l #	94
18) Methyl Acetate	2.76	43	783	0.279	ug/l #	69
20) Methylene Chloride	2.84	84	1344	0.484	ug/l #	75
25) 2-Butanone	4.63	43	410	0.227	ug/l #	50
31) Cyclohexane	5.62	56	5403	1.472	ug/l #	21
36) 1,1-Dichloropropene	5.62	75	19352	4.932	ug/l #	49
38) Carbon Tetrachloride	5.62	117	24239	5.276	ug/l #	18
49) 1,4-Dioxane	7.71	88	69	1.084	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	107101	24.561	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	107101	62.305	ug/l #	11
94) Hexachlorobutadiene	13.77	225	593	0.296	ug/l	84

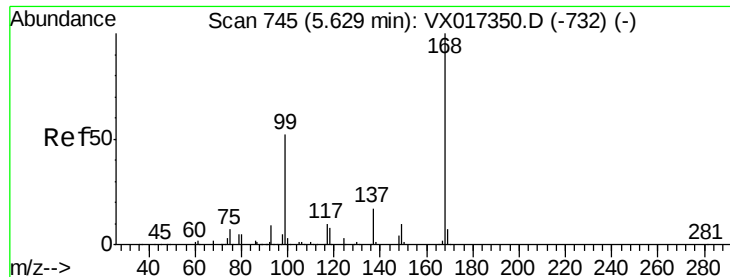
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072020\
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Acq On : 20 Jul 2020 11:10
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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
MSVOA_X
ClientSampled :
VX0720WBL01

Quant Time: Jul 21 02:01:48 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: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

Instrument :

MSVOA_X

ClientSampled :

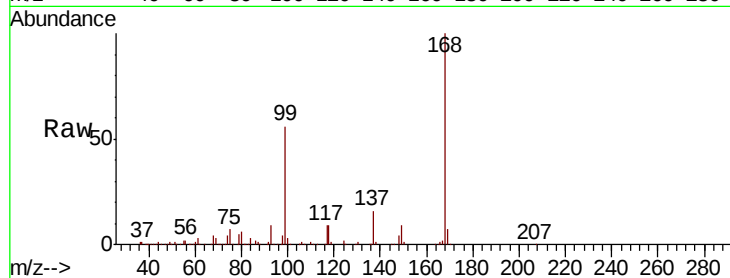
VX0720WBL01

Tot Ion:168 Resp: 254034

Ion Ratio Lower Upper

168 100

99 55.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

100000

80000

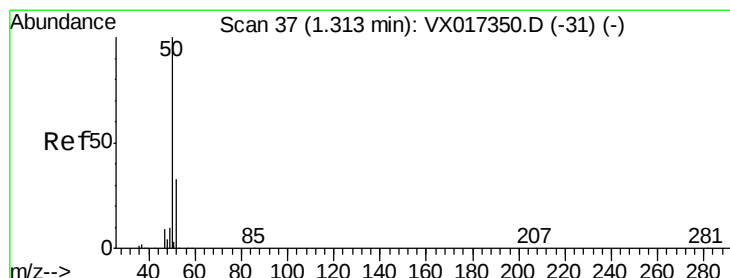
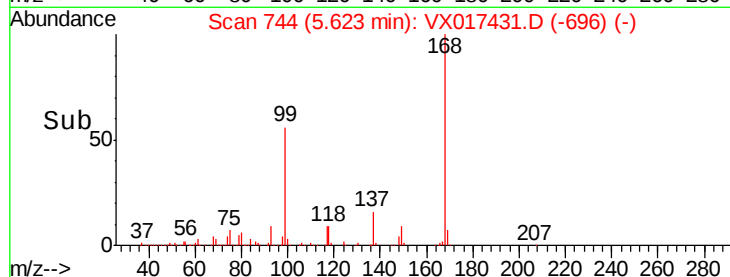
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.314 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017431.D

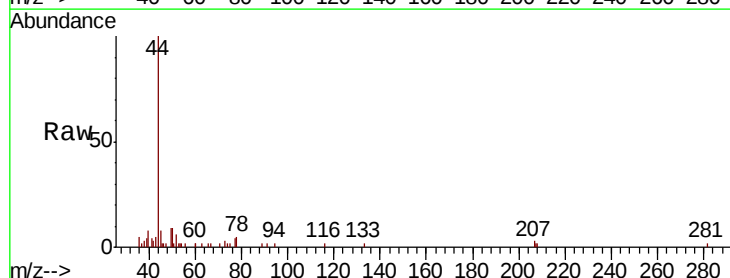
Acq: 20 Jul 2020 11:10

Tgt Ion: 50 Resp: 759

Ion Ratio Lower Upper

50 100

52 24.9 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

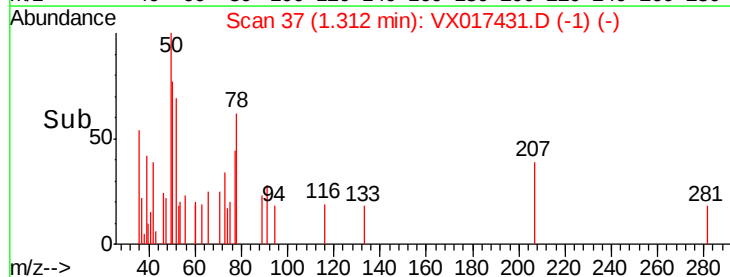
600

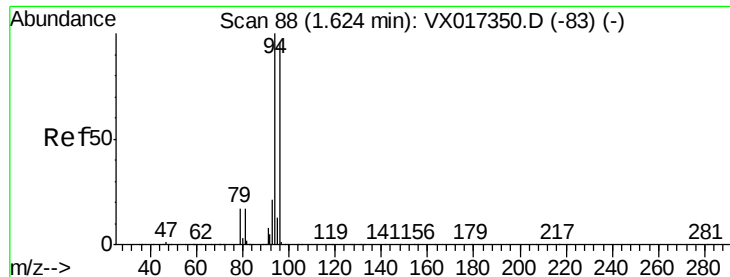
400

200

0

Time-->





#5

Bromomethane

Concen: 0.829 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

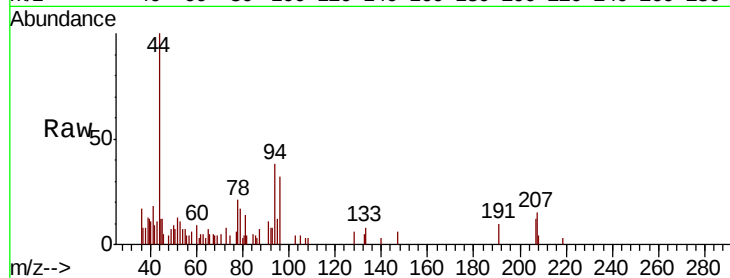
VX0720WBL01

Tot Ion: 94 Resp: 1292

Ion Ratio Lower Upper

94 100

96 76.8 76.6 115.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

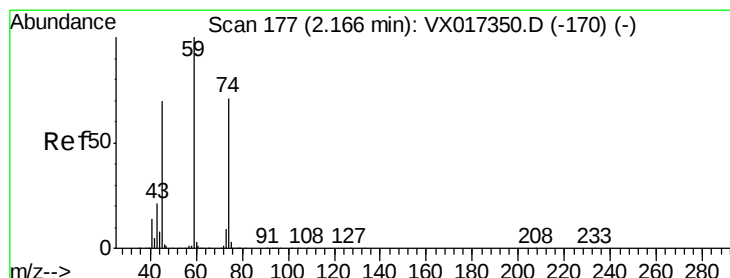
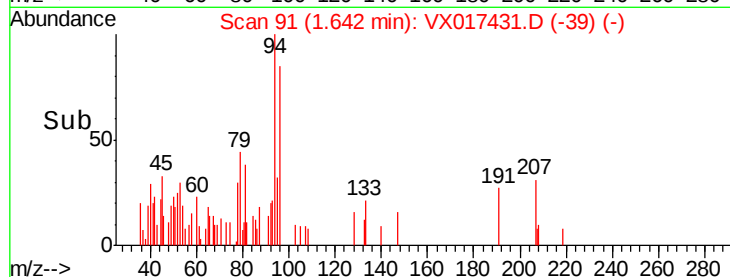
600

400

200

0

Time-->



#8

Diethyl Ether

Concen: 0.235 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017431.D

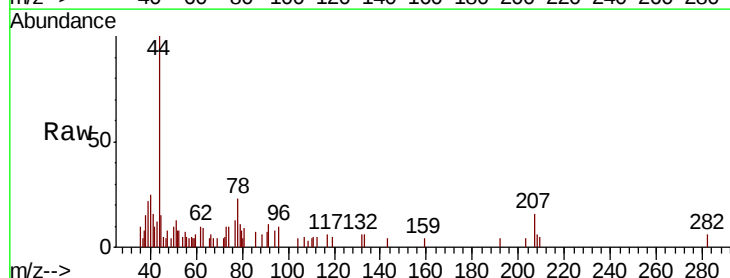
Acq: 20 Jul 2020 11:10

Tgt Ion: 74 Resp: 335

Ion Ratio Lower Upper

74 100

45 120.6 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

400

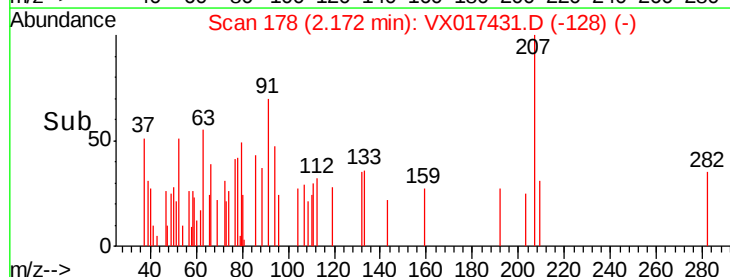
300

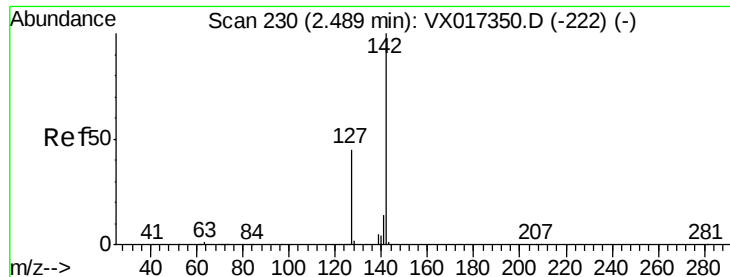
200

100

0

Time-->

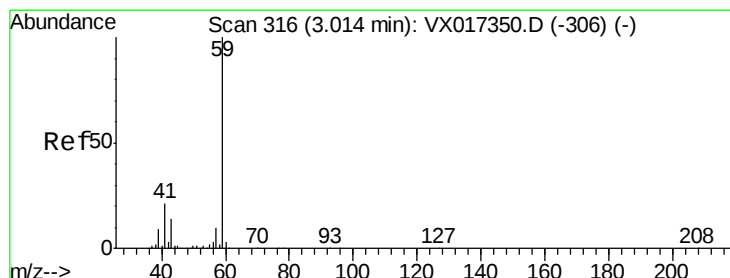
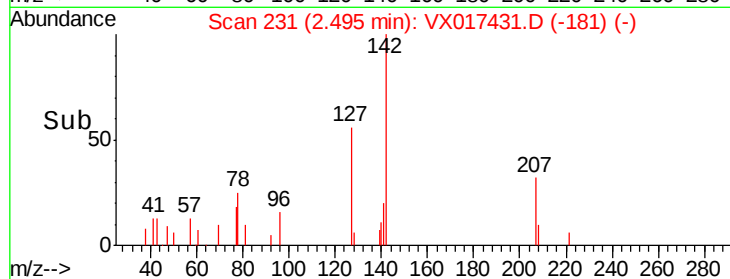
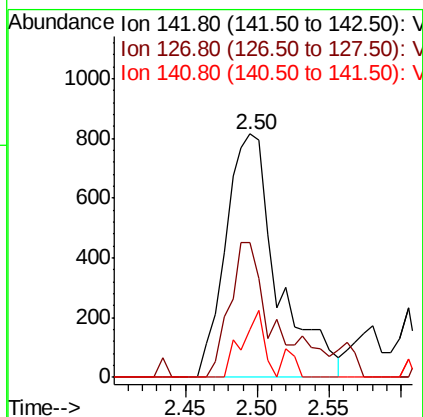
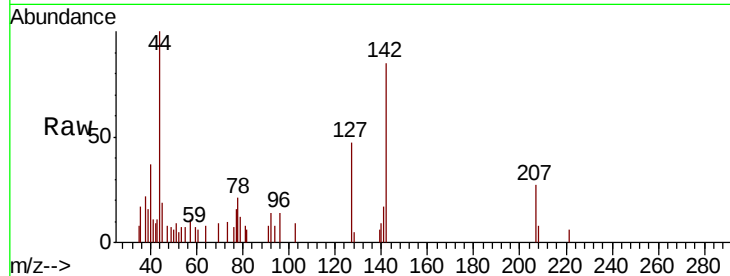




#10
Methyl Iodide
Concen: 3.016 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX017431.D
Acq: 20 Jul 2020 11:10

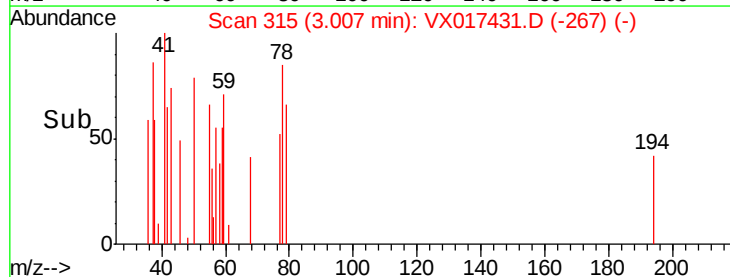
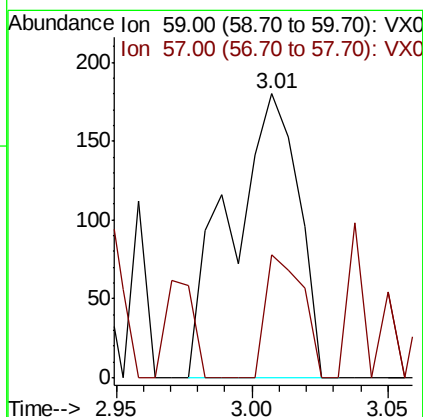
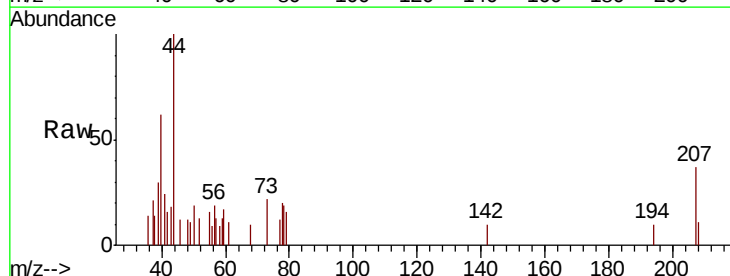
Instrument :
MSVOA_X
ClientSampled :
VX0720WBL01

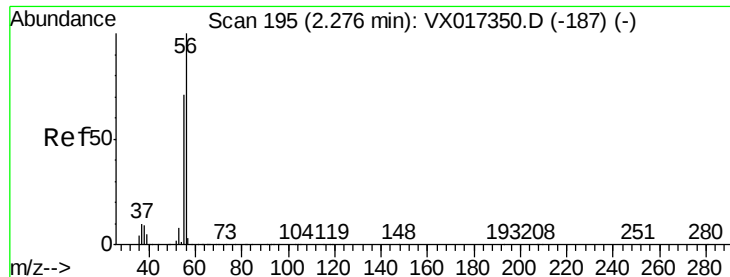
Tot Ion:142 Resp: 2056
Ion Ratio Lower Upper
142 100
127 41.1 36.8 55.2
141 11.8 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.579 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017431.D
Acq: 20 Jul 2020 11:10

Tgt Ion: 59 Resp: 311
Ion Ratio Lower Upper
59 100
57 23.8 8.3 12.5#





#13

Acrolein

Concen: 0.727 ug/l

RT: 2.29 min Scan# 198

Delta R.T. 0.02 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

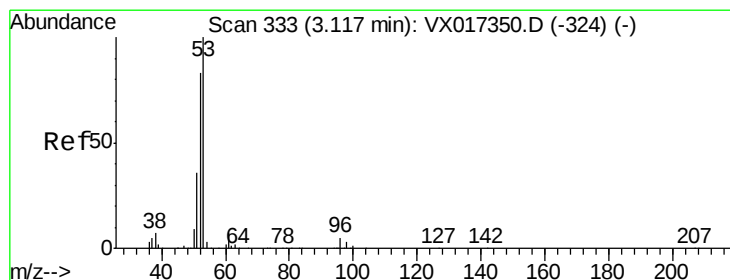
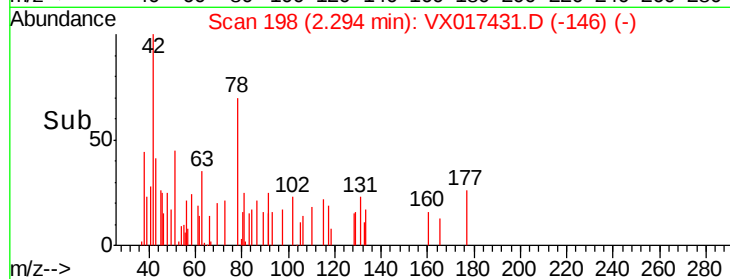
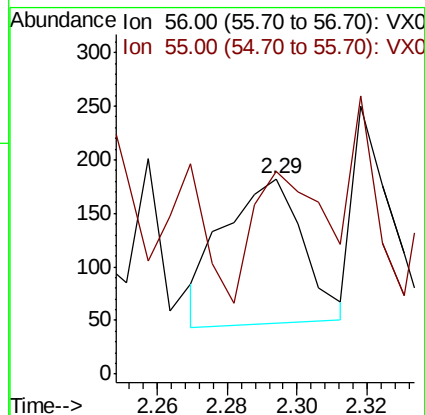
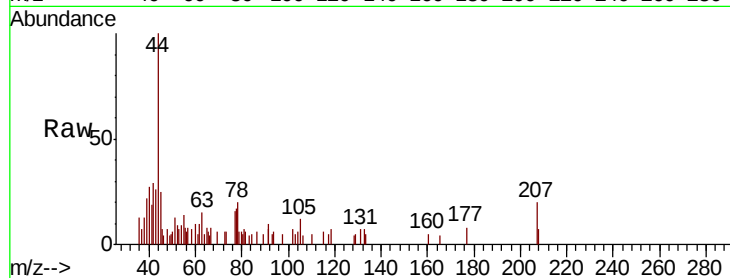
VX0720WBL01

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 98.1 57.1 85.7#



#15

Acrylonitrile

Concen: 0.671 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

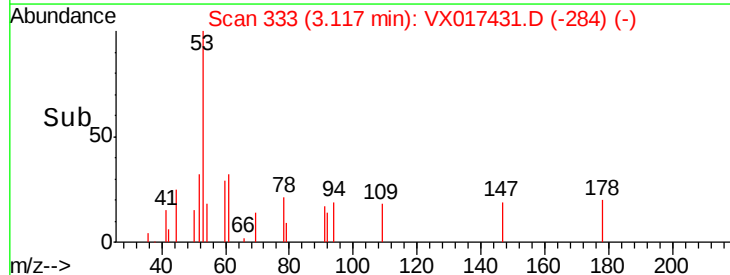
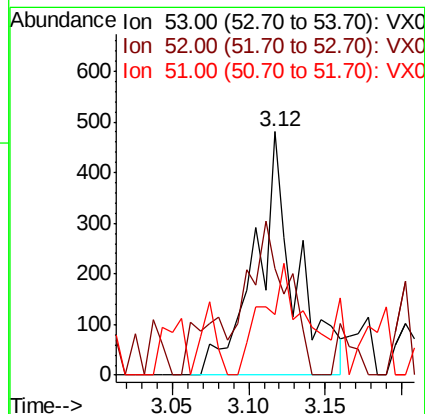
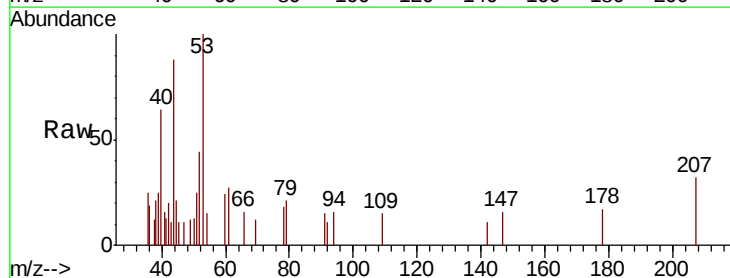
Tgt Ion: 53 Resp: 874

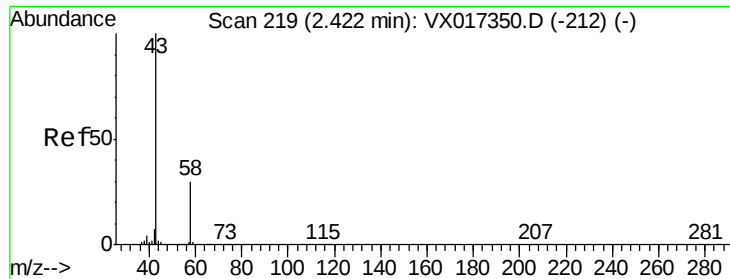
Ion Ratio Lower Upper

53 100

52 80.8 65.8 98.6

51 54.9 29.2 43.8#





#16

Acetone

Concen: 0.611 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

Instrument :

MSVOA_X

ClientSampled :

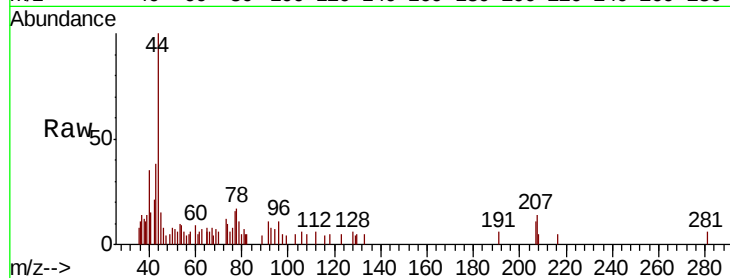
VX0720WBL01

Tot Ion: 43 Resp: 695

Ion Ratio Lower Upper

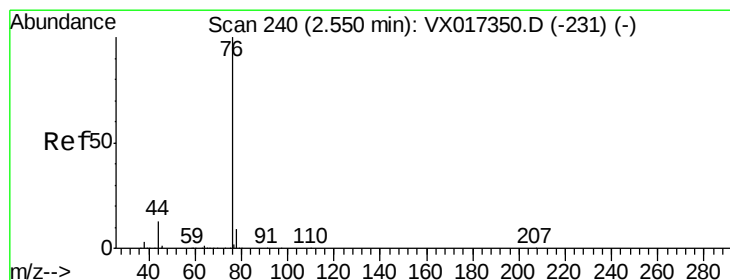
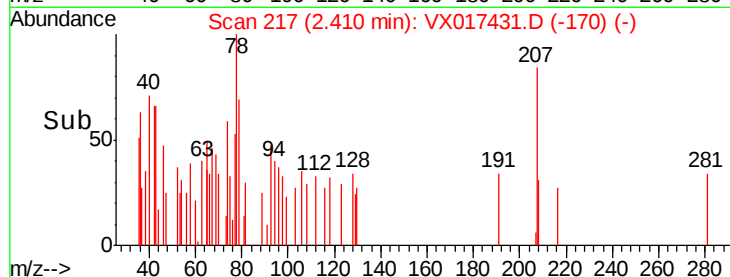
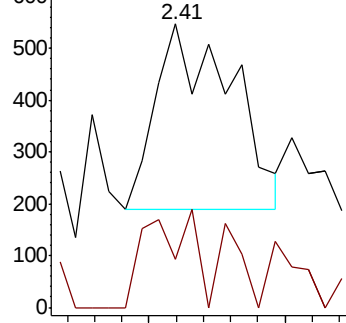
43 100

58 25.9 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: 0.362 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017431.D

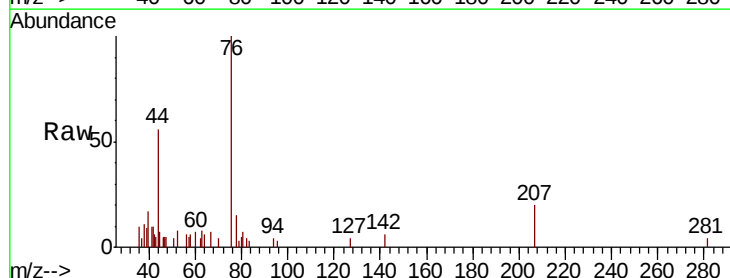
Acq: 20 Jul 2020 11:10

Tgt Ion: 76 Resp: 2441

Ion Ratio Lower Upper

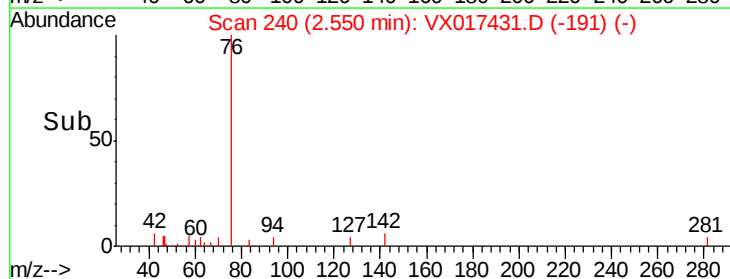
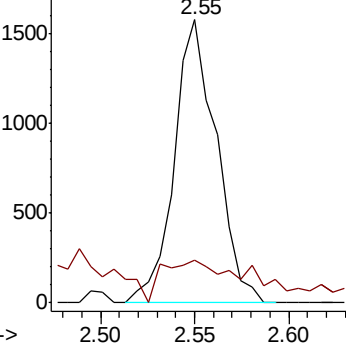
76 100

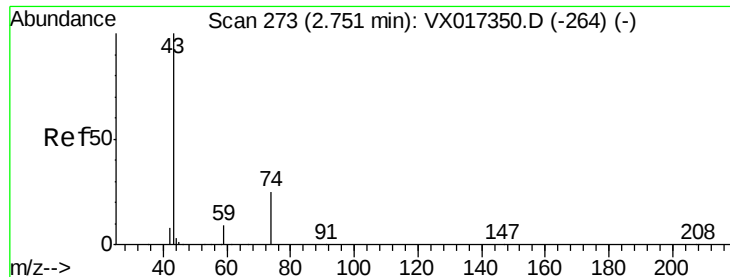
78 6.9 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methyl Acetate

Concen: 0.279 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

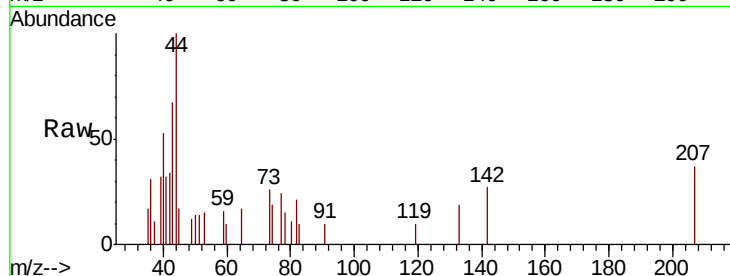
VX0720WBL01

Tot Ion: 43 Resp: 783

Ion Ratio Lower Upper

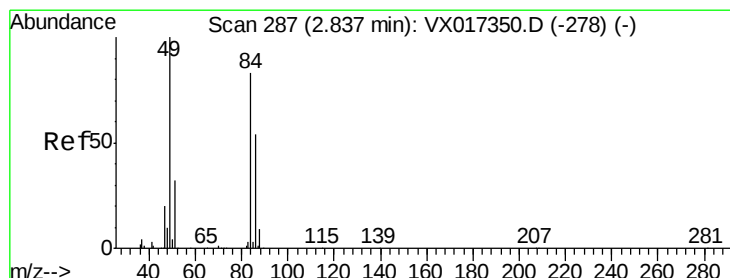
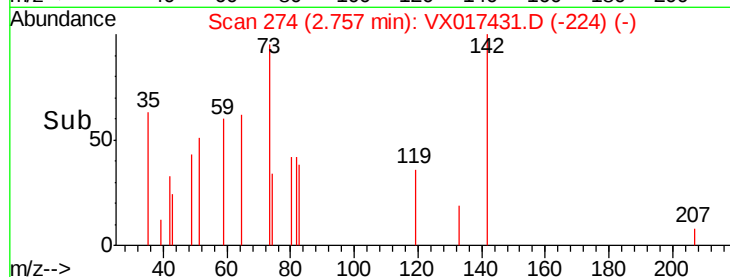
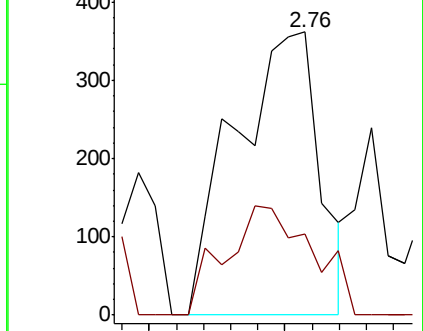
43 100

74 39.5 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 0.484 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

Tgt Ion: 84 Resp: 1344

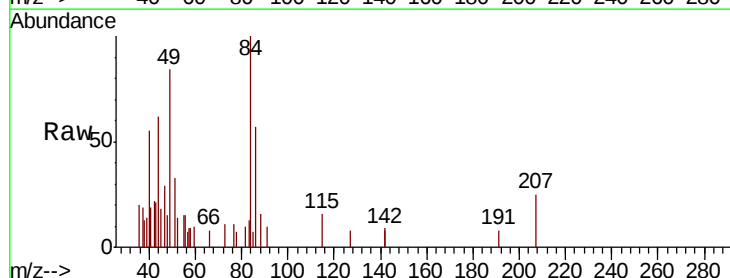
Ion Ratio Lower Upper

84 100

49 83.9 95.8 143.8#

51 21.5 31.0 46.4#

86 56.7 51.8 77.8

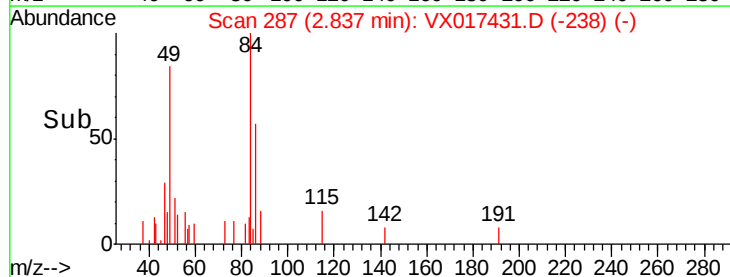
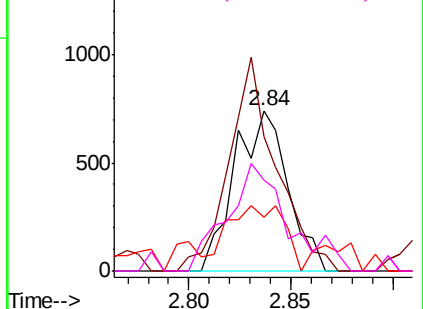


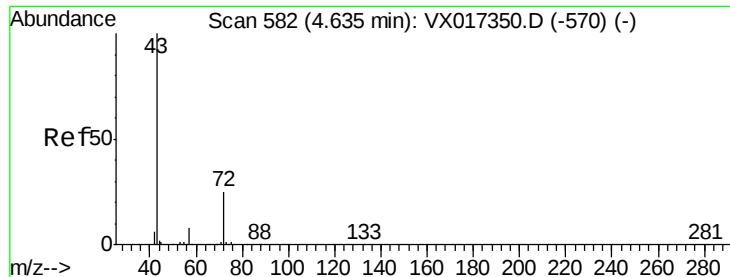
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.227 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

Instrument :

MSVOA_X

ClientSampled :

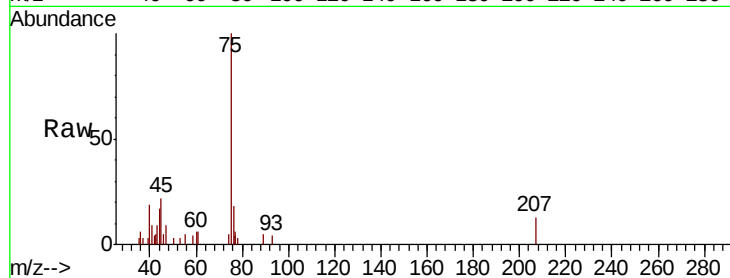
VX0720WBL01

Tot Ion: 43 Resp: 410

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250

200

150

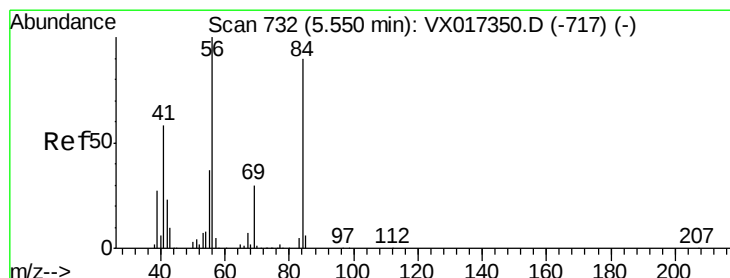
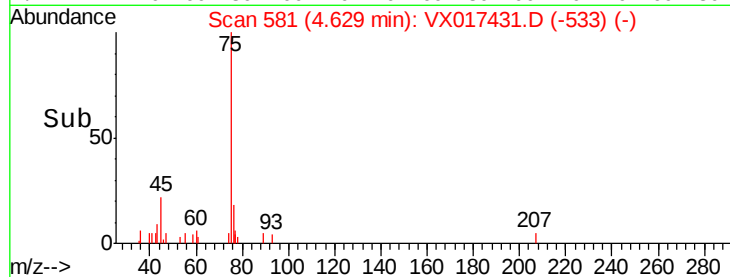
100

50

0

4.58 4.60 4.62 4.64

Time-->



#31

Cyclohexane

Concen: 1.472 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

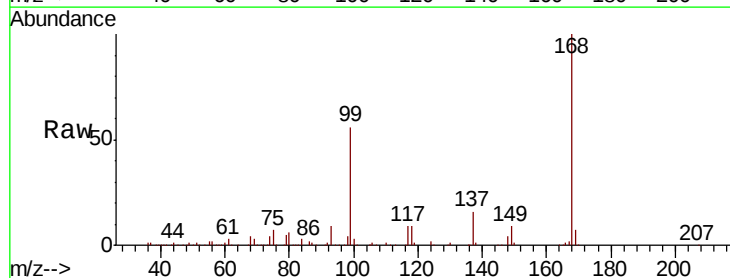
Tgt Ion: 56 Resp: 5403

Ion Ratio Lower Upper

56 100

69 154.9 23.7 35.5#

84 115.9 71.8 107.6#



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

4000

3000

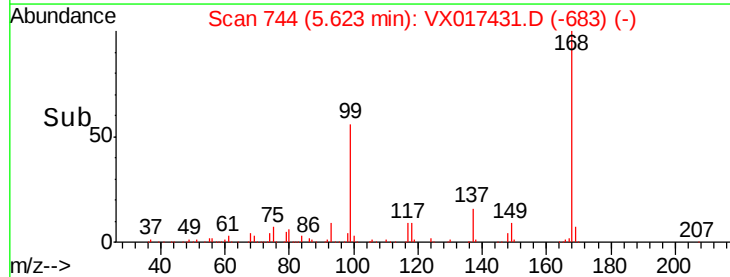
2000

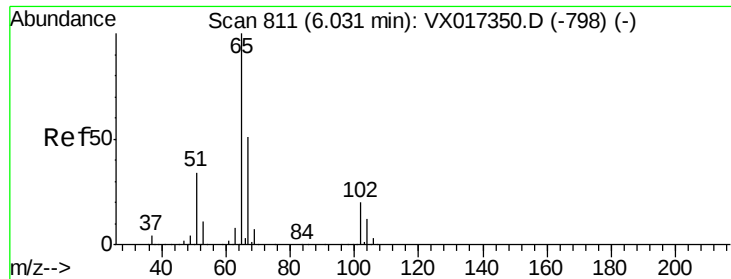
1000

0

5.50 5.55 5.60 5.65 5.70

Time-->

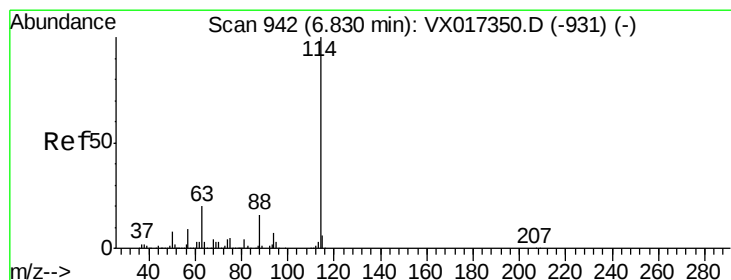
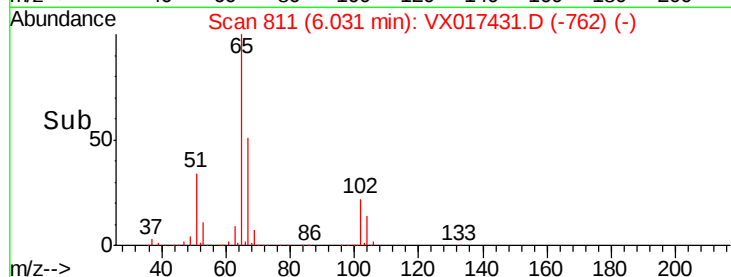
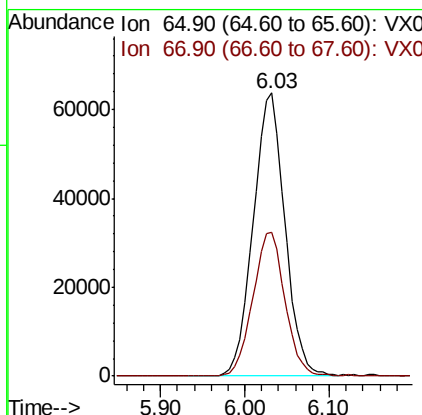
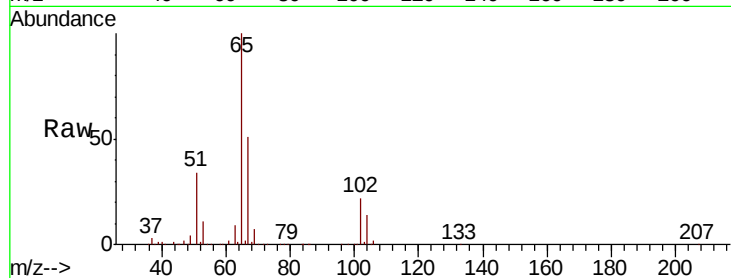




#33
 1,2-Dichloroethane-d4
 Concen: 51.335 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017431.D
 Acq: 20 Jul 2020 11:10

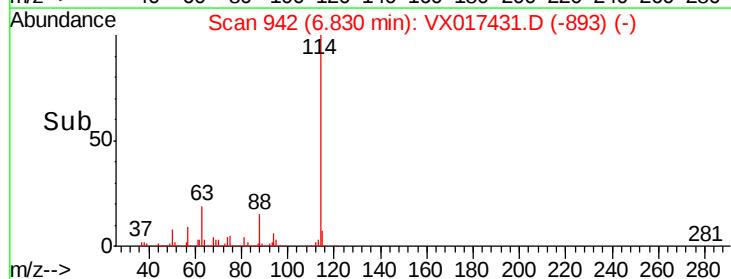
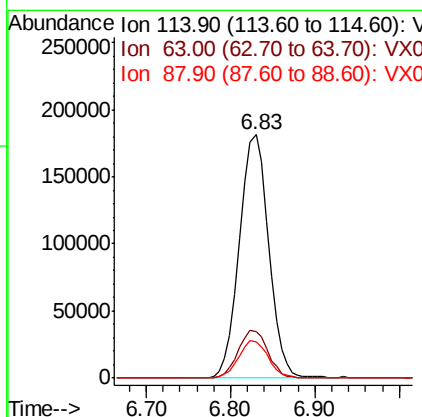
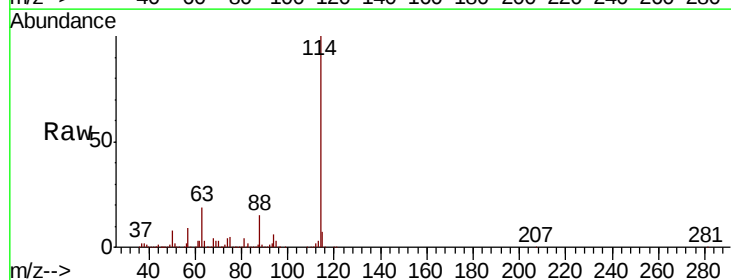
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBL01

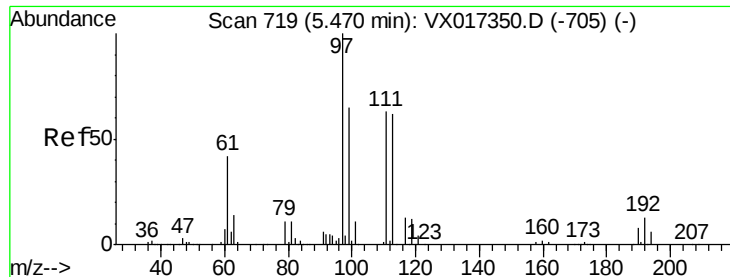
Tot Ion: 65 Resp: 163672
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017431.D
 Acq: 20 Jul 2020 11:10

Tgt Ion: 114 Resp: 426594
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.0
 88 15.1 0.0 32.8

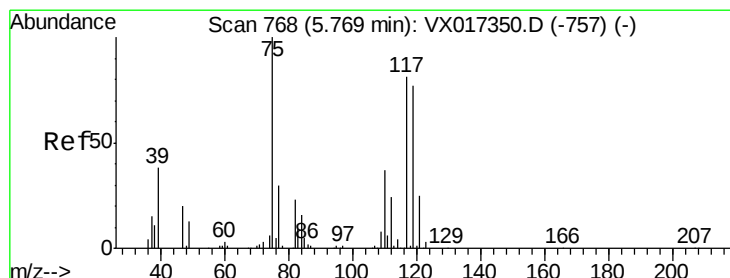
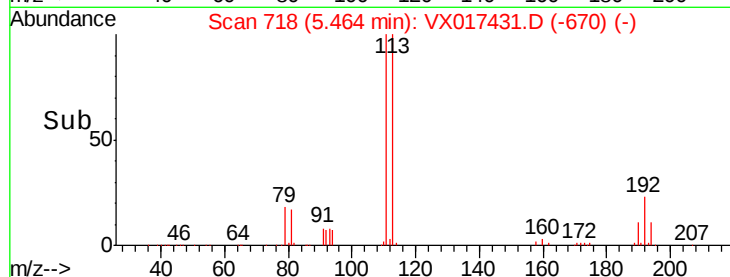
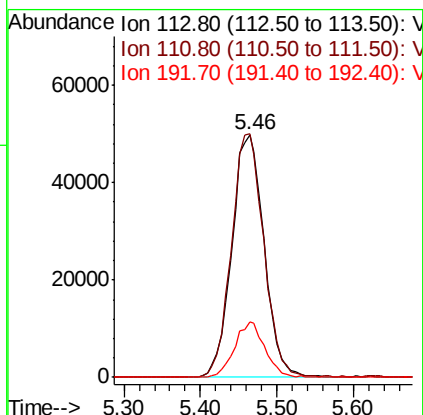
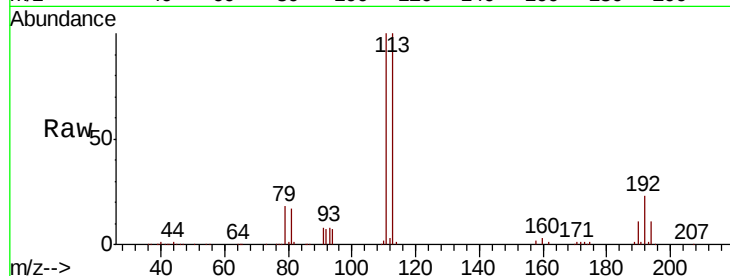




#35
 Dibromofluoromethane
 Concen: 50.508 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017431.D
 Acq: 20 Jul 2020 11:10

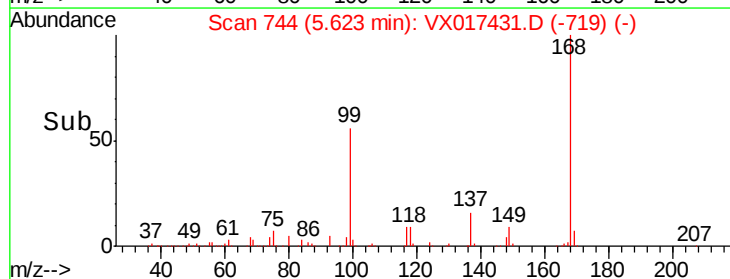
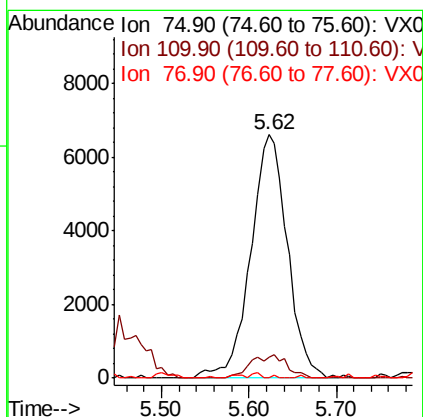
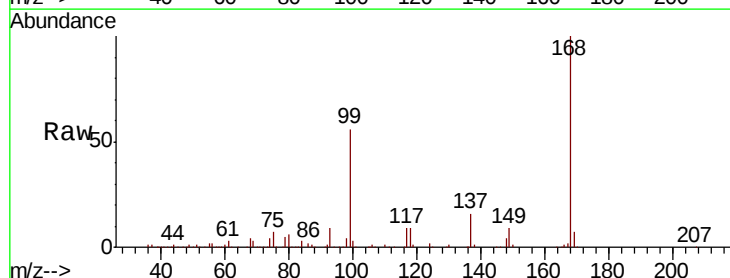
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBL01

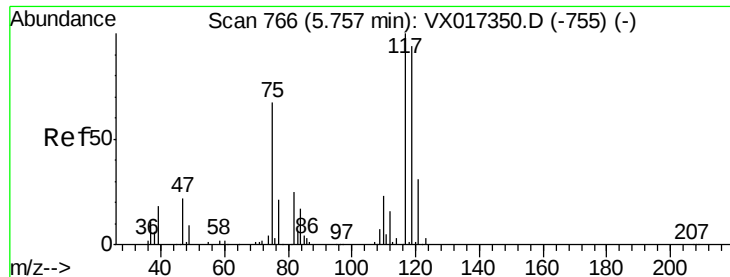
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.4	123.6
192	21.4	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 4.932 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX017431.D
 Acq: 20 Jul 2020 11:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.6	55.8#
77	0.1	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.276 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBL01

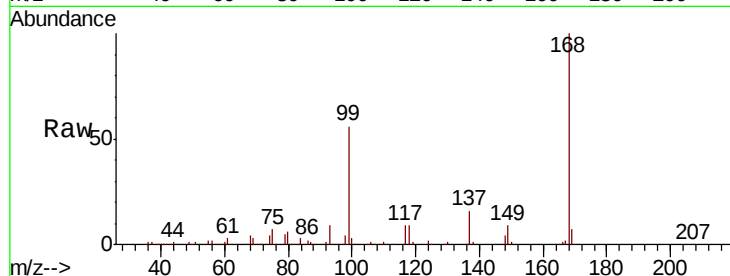
Tot Ion:117 Resp: 24239

Ion Ratio Lower Upper

117 100

119 6.4 74.7 112.1#

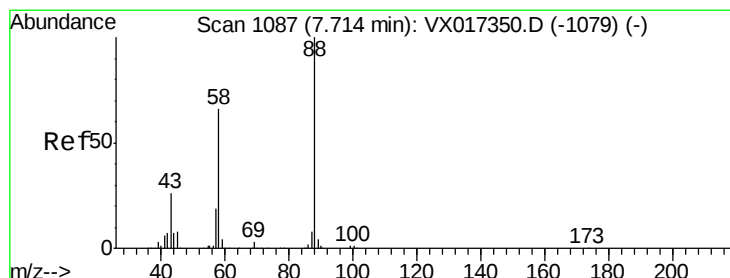
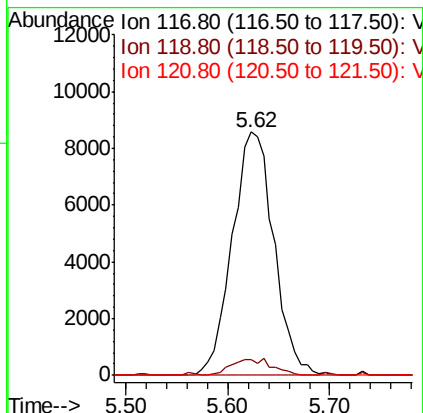
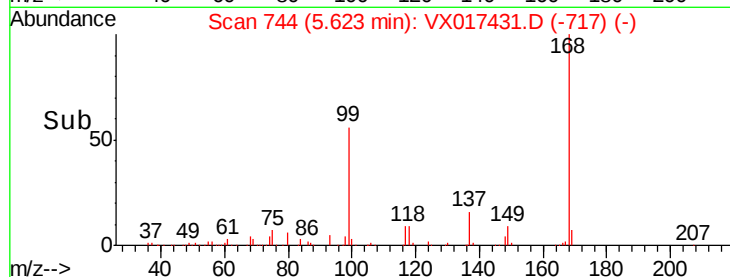
121 0.0 24.5 36.7#



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: 1.084 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

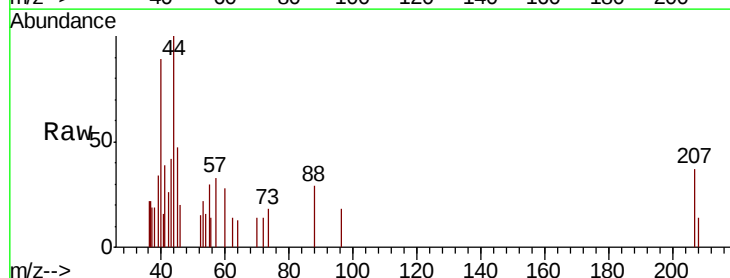
Tgt Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

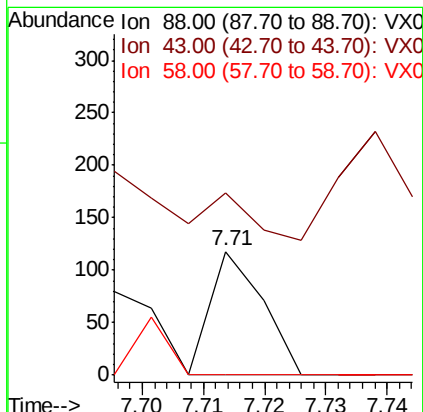
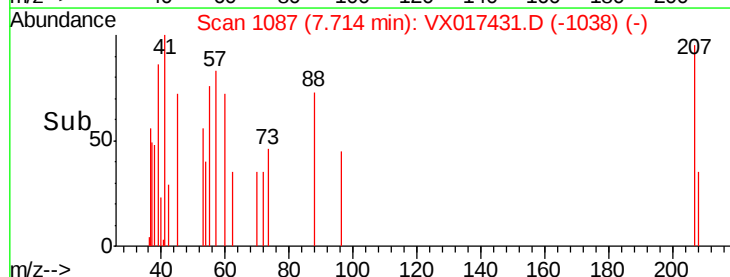
58 0.0 53.9 80.9#

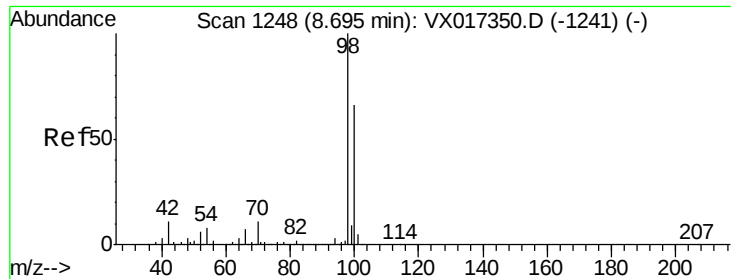


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.044 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

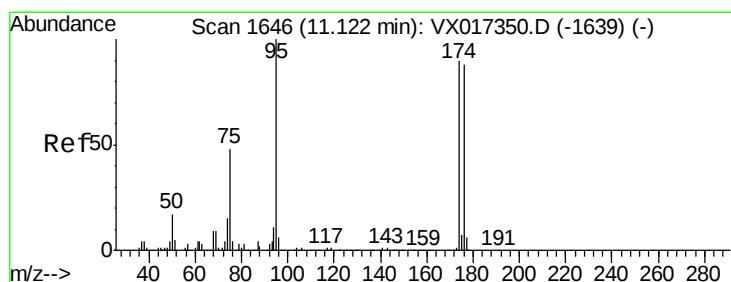
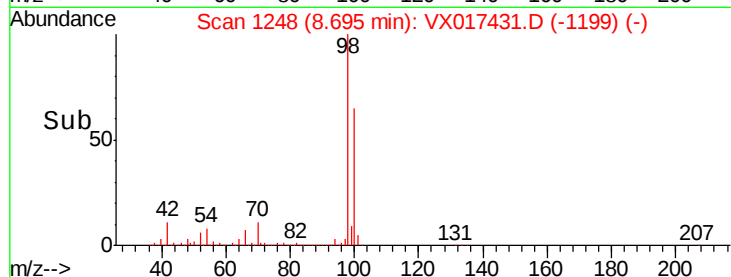
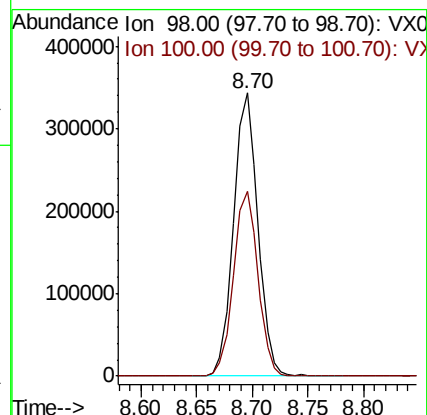
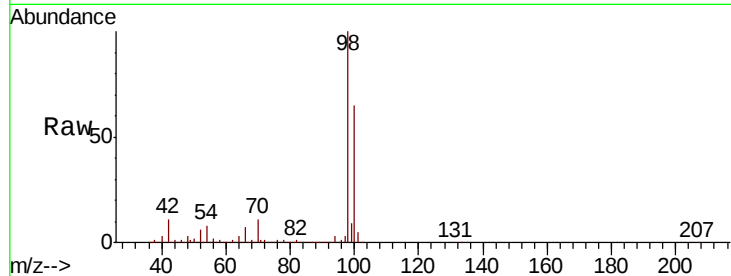
VX0720WBL01

Tot Ion: 98 Resp: 518729

Ion Ratio Lower Upper

98 100

100 66.0 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 52.866 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017431.D

Acq: 20 Jul 2020 11:10

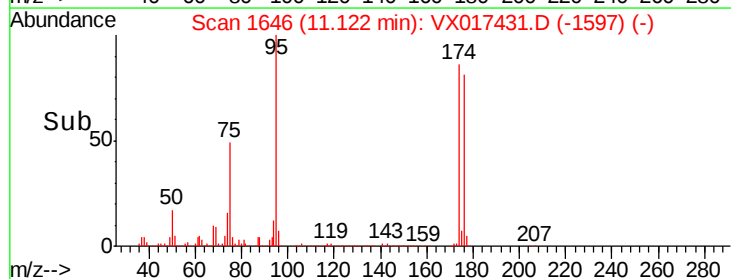
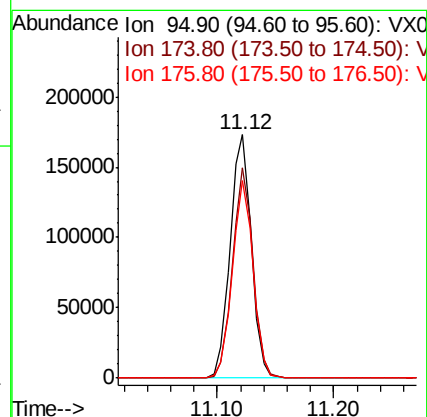
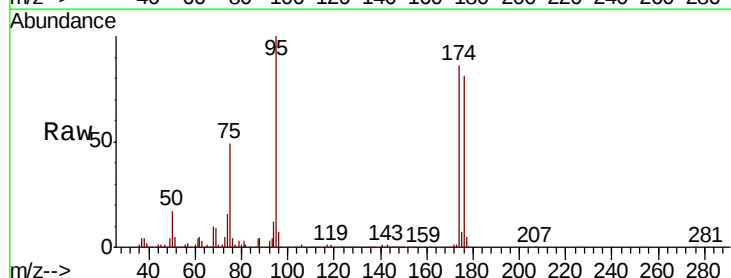
Tgt Ion: 95 Resp: 217671

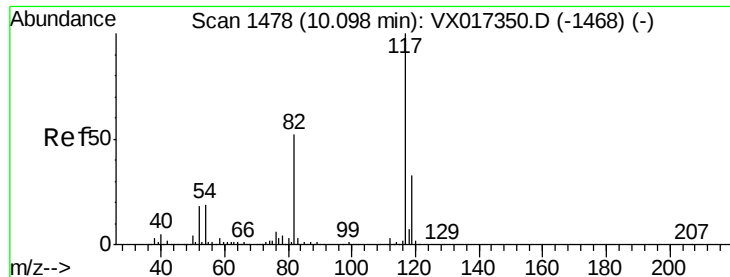
Ion Ratio Lower Upper

95 100

174 83.9 0.0 175.8

176 79.9 0.0 164.6

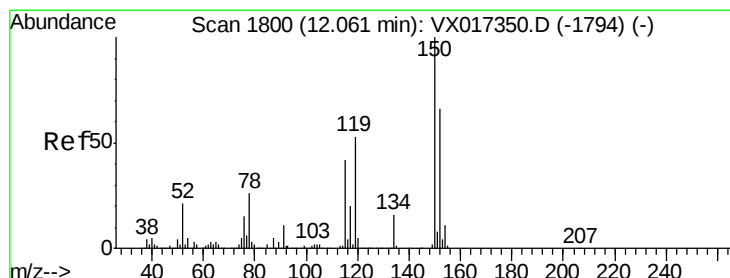
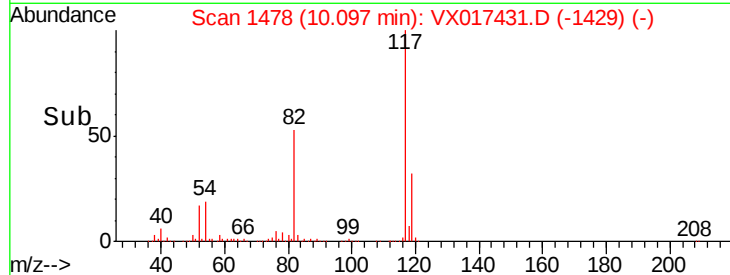
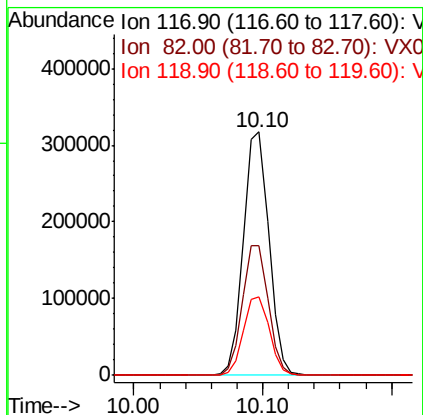
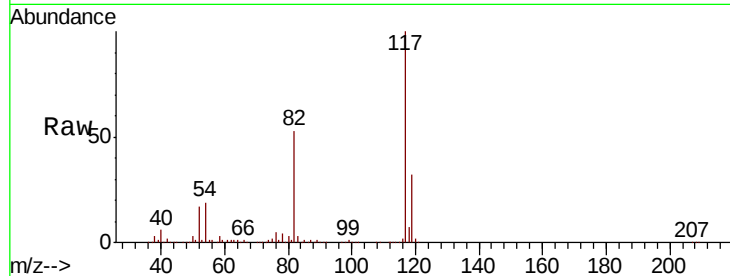




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017431.D
Acq: 20 Jul 2020 11:10

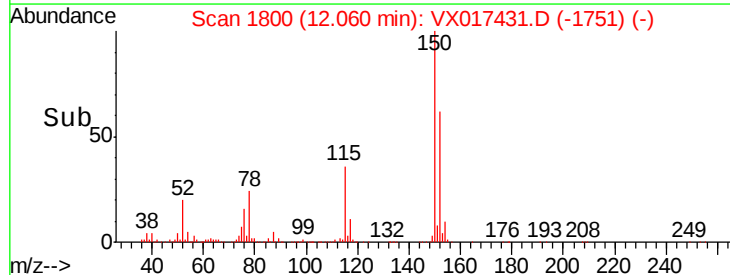
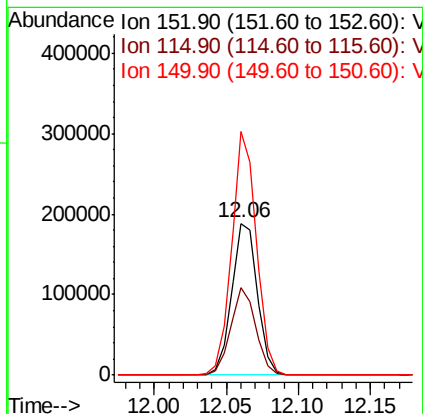
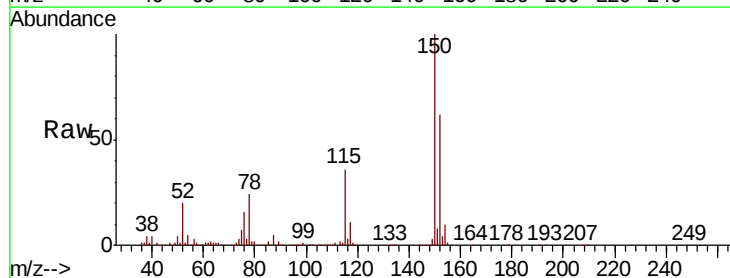
Instrument :
MSVOA_X
ClientSampleId :
VX0720WBL01

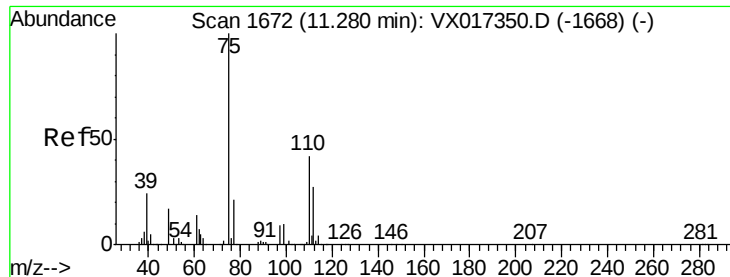
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.0	63.0
119	32.1	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017431.D
Acq: 20 Jul 2020 11:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	39.9	119.7
150	154.3	0.0	343.4

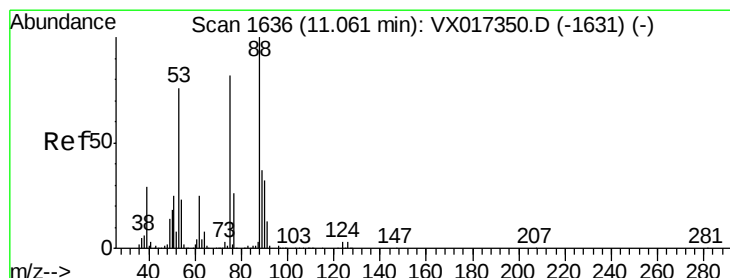
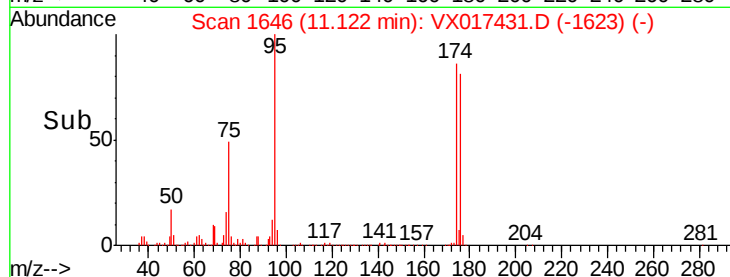
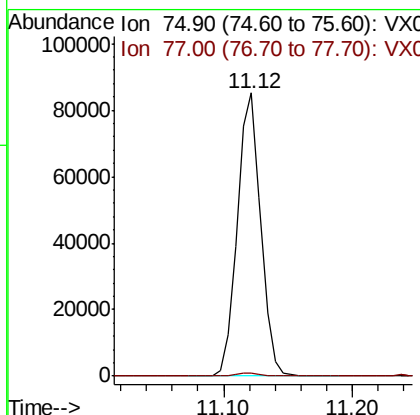
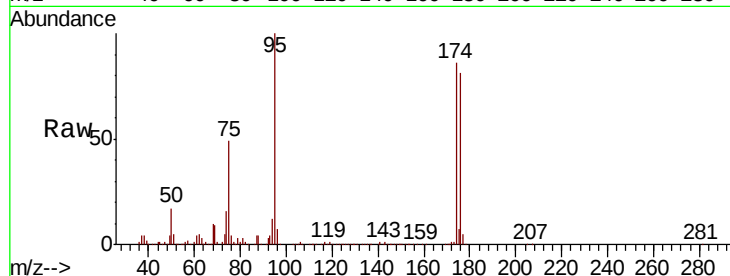




#76
 1,2,3-Trichloropropane
 Concen: 24.561 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017431.D
 Acq: 20 Jul 2020 11:10

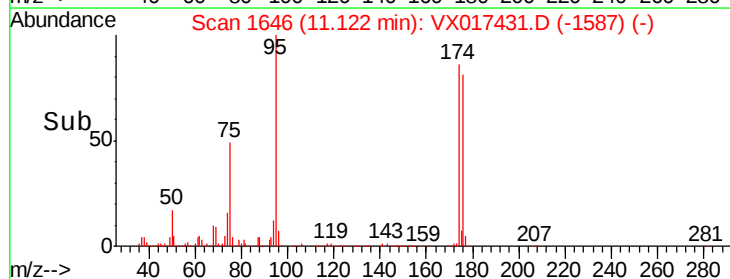
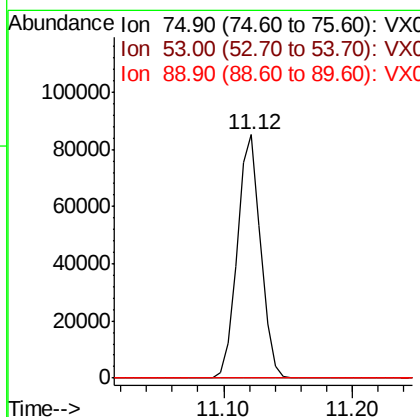
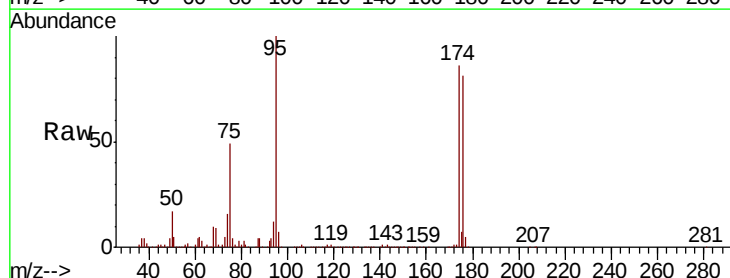
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBL01

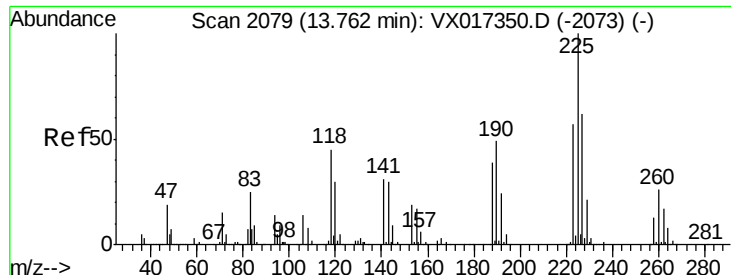
Tot Ion: 75 Resp: 107101
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.305 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017431.D
 Acq: 20 Jul 2020 11:10

Tgt Ion: 75 Resp: 107101
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.5 114.7#
 89 0.1 38.1 57.1#





#94
 Hexachlorobutadiene
 Concen: 0.296 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX017431.D
 Acq: 20 Jul 2020 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBL01

Tot Ion	Ratio	Lower	Upper
225	100		
223	73.9	31.3	93.8
227	76.2	31.6	95.0

