

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040620\
 Data File : VX015517.D
 Acq On : 06 Apr 2020 16:57
 Operator : JC/SP
 Sample : L2110-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-05-040220

Quant Time: Apr 07 05:03:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1179475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1889170	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1834612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	1027045	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	784029	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
35) Dibromofluoromethane	5.47	113	586006	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	8.70	98	2280084	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.12	95	1001779	55.44	ug/l	0.00
Spiked Amount			Recovery	=	110.88%	

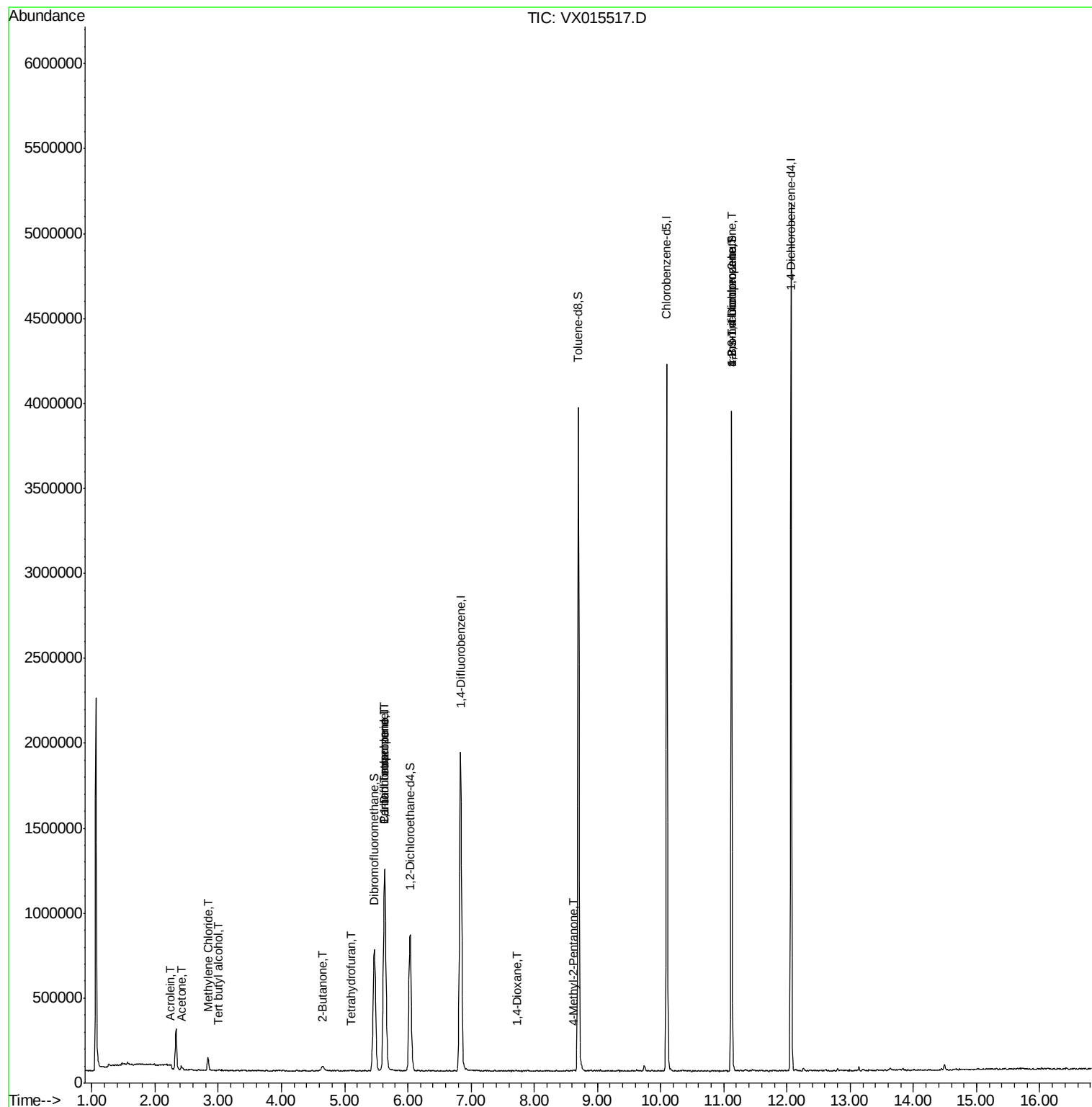
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	524	Below Cal	#	3
11) Tert butyl alcohol	2.99	59	2551	0.641	ug/l #	88
13) Acrolein	2.24	56	653	0.288	ug/l #	81
16) Acetone	2.42	43	26604	3.722	ug/l	95
20) Methylene Chloride	2.84	84	35299	2.644	ug/l	98
25) 2-Butanone	4.64	43	5997	0.522	ug/l #	66
29) Tetrahydrofuran	5.11	42	6526	0.883	ug/l	90
36) 1,1-Dichloropropene	5.64	75	91127	5.235	ug/l #	52
38) Carbon Tetrachloride	5.64	117	113312	6.010	ug/l #	15
49) 1,4-Dioxane	7.73	88	123	0.345	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	4383	0.202	ug/l #	80
76) 1,2,3-Trichloropropane	11.12	75	520041	24.623	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	520041	59.081	ug/l #	10

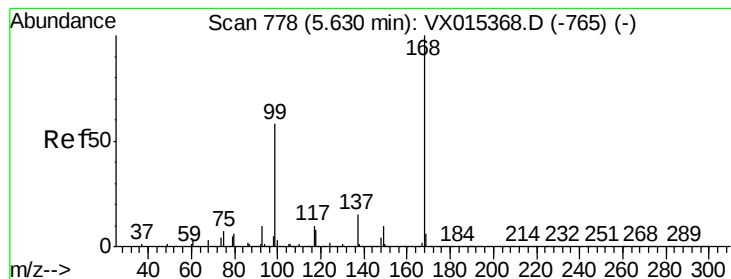
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015517.D

Acq: 06 Apr 2020 16:57

Instrument :

MSVOA_X

ClientSampleId :

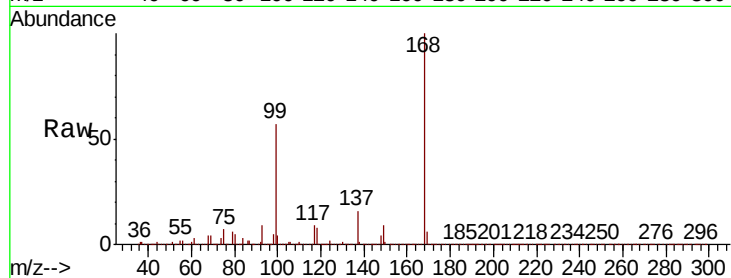
AU-05-040220

Tot Ion:168 Resp: 1179475

Ion Ratio Lower Upper

168 100

99 56.7 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

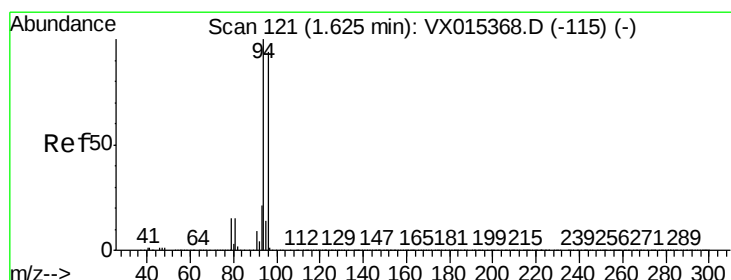
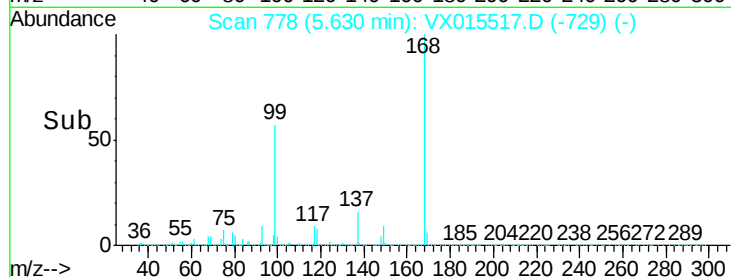
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 127

Delta R.T. 0.04 min

Lab File: VX015517.D

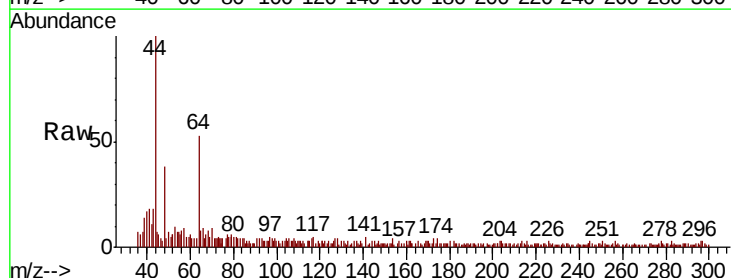
Acq: 06 Apr 2020 16:57

Tgt Ion: 94 Resp: 524

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

800

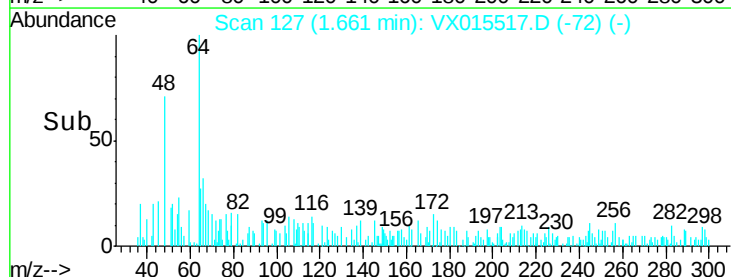
600

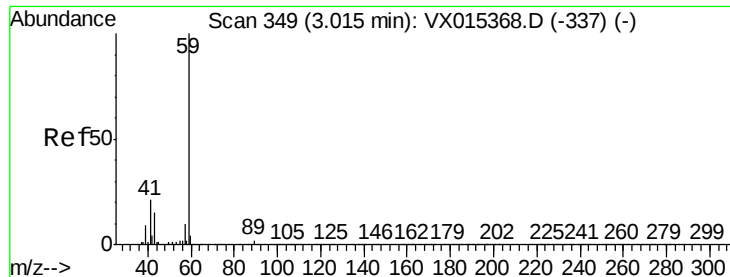
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200

0

Time-->

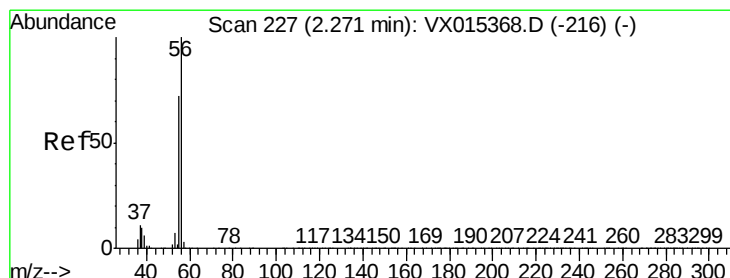
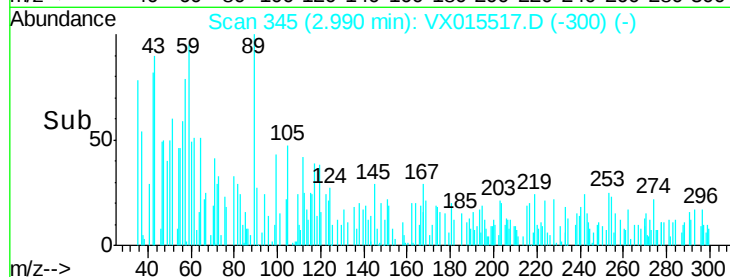
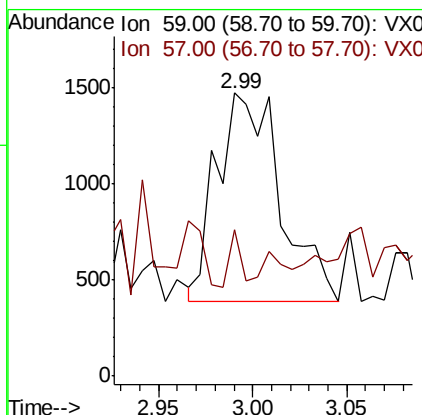
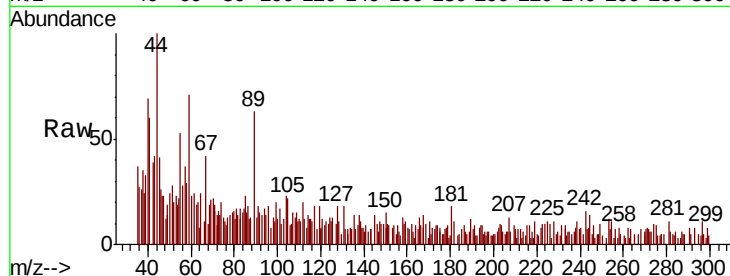




#11
Tert butyl alcohol
Concen: 0.641 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015517.D
Acq: 06 Apr 2020 16:57

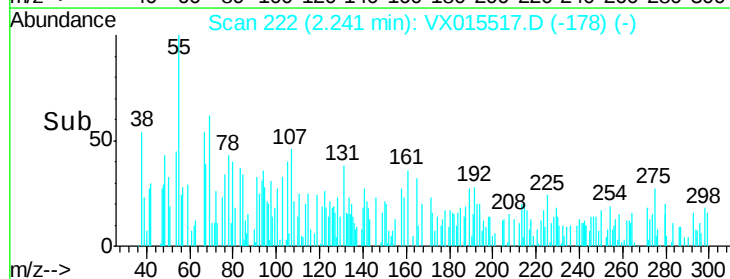
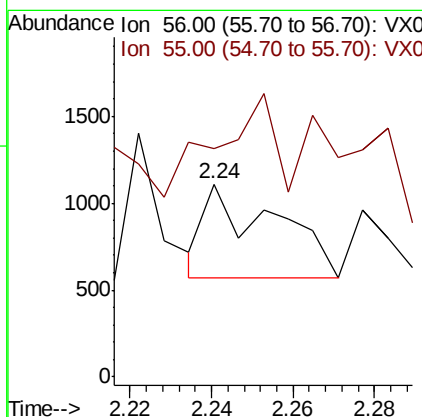
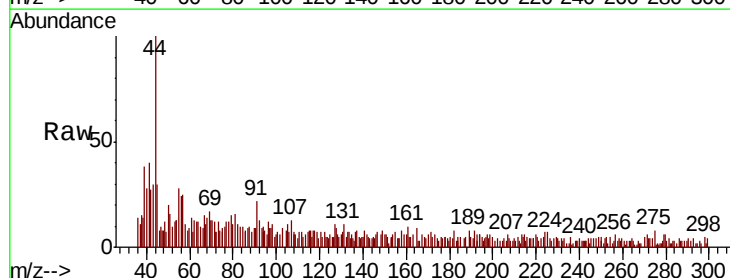
Instrument :
MSVOA_X
ClientSampleId :
AU-05-040220

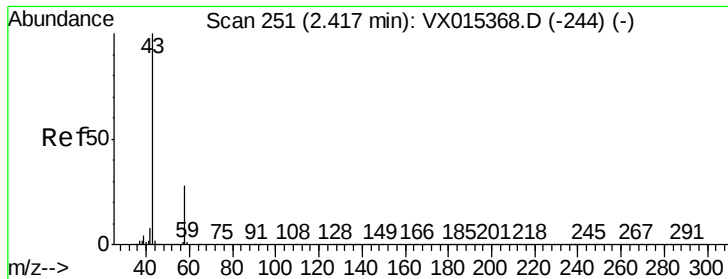
Tot Ion: 59 Resp: 2551
Ion Ratio Lower Upper
59 100
57 5.5 8.1 12.1#



#13
Acrolein
Concen: 0.288 ug/l
RT: 2.24 min Scan# 222
Delta R.T. -0.03 min
Lab File: VX015517.D
Acq: 06 Apr 2020 16:57

Tgt Ion: 56 Resp: 653
Ion Ratio Lower Upper
56 100
55 87.3 57.0 85.4#

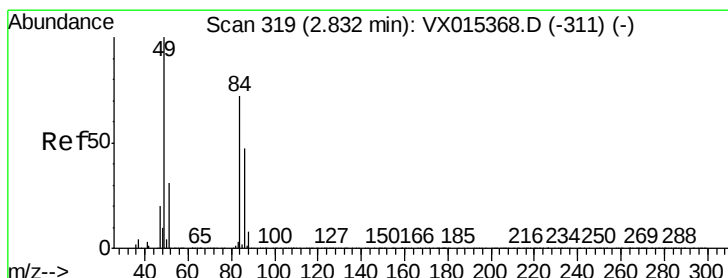
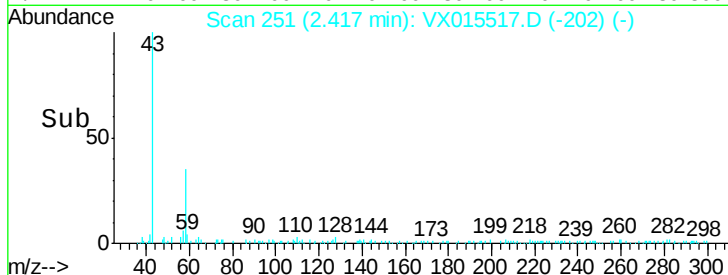
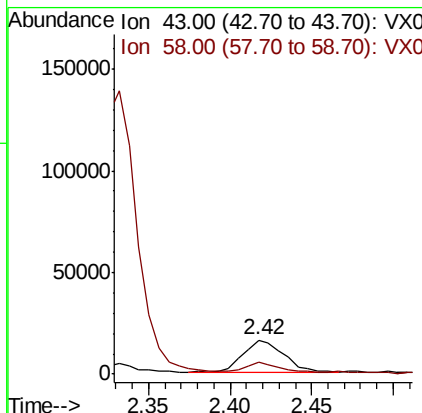
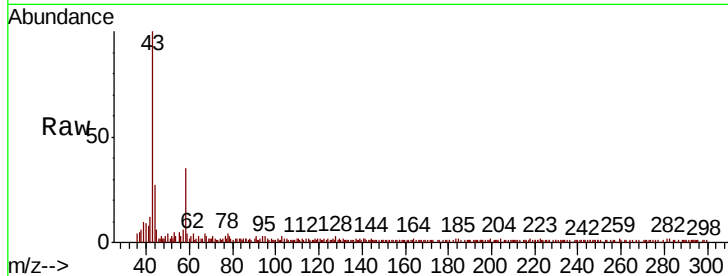




#16
Acetone
Concen: 3.722 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015517.D
Acq: 06 Apr 2020 16:57

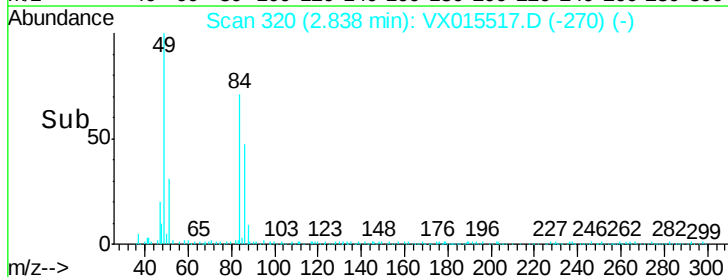
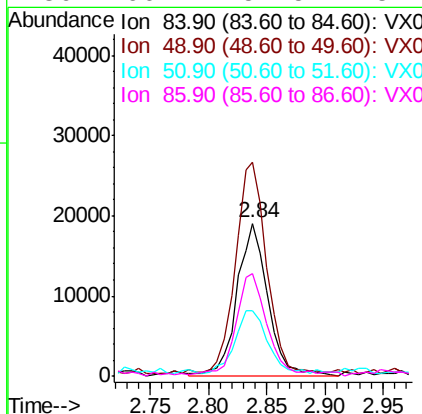
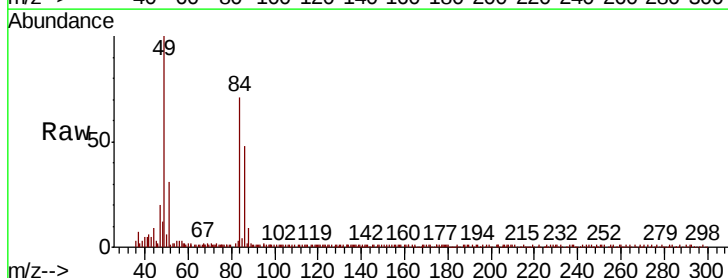
Instrument :
MSVOA_X
ClientSampleId :
AU-05-040220

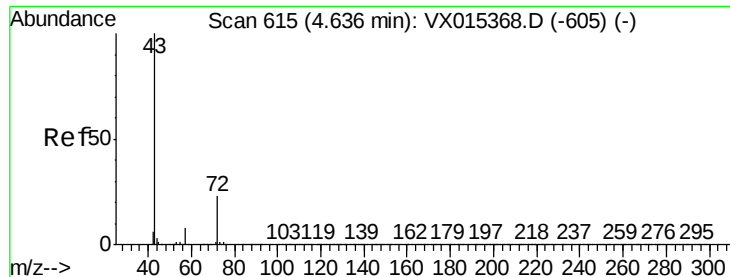
Tot Ion: 43 Resp: 26604
Ion Ratio Lower Upper
43 100
58 30.0 22.1 33.1



#20
Methylene Chloride
Concen: 2.644 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015517.D
Acq: 06 Apr 2020 16:57

Tgt Ion: 84 Resp: 35299
Ion Ratio Lower Upper
84 100
49 136.1 111.3 166.9
51 40.5 34.0 51.0
86 66.1 52.5 78.7





#25

2-Butanone

Concen: 0.522 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015517.D

Acq: 06 Apr 2020 16:57

Instrument :

MSVOA_X

ClientSampleId :

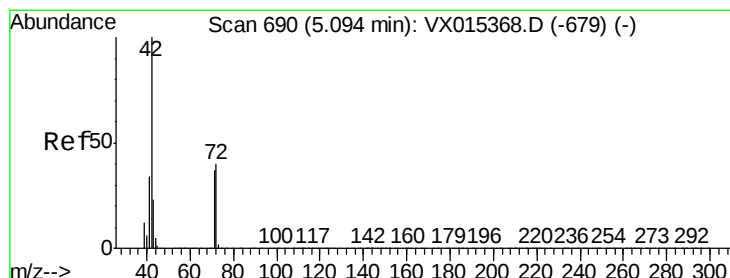
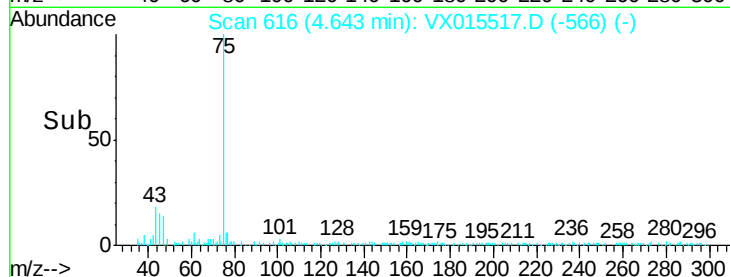
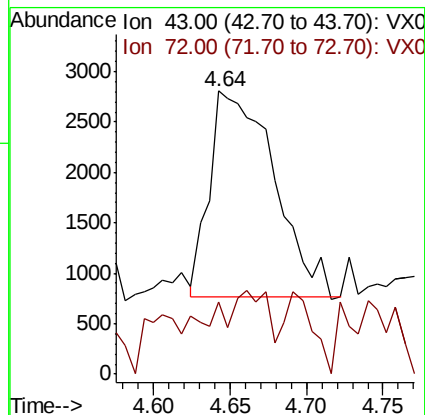
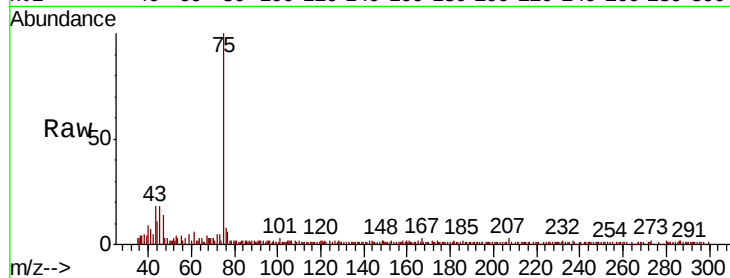
AU-05-040220

Tot Ion: 43 Resp: 5997

Ion Ratio Lower Upper

43 100

72 7.0 19.0 28.4#



#29

Tetrahydrofuran

Concen: 0.883 ug/l

RT: 5.11 min Scan# 692

Delta R.T. 0.01 min

Lab File: VX015517.D

Acq: 06 Apr 2020 16:57

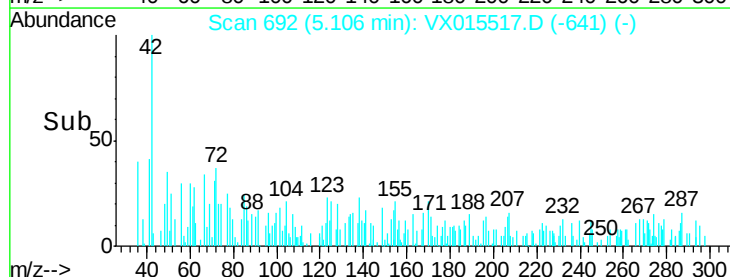
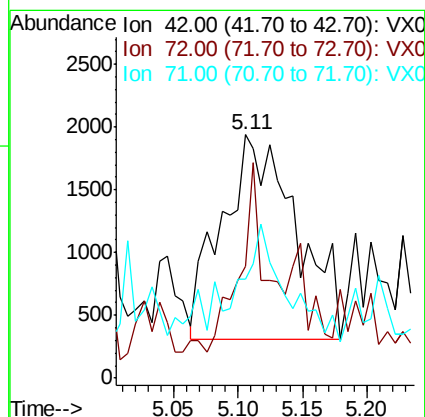
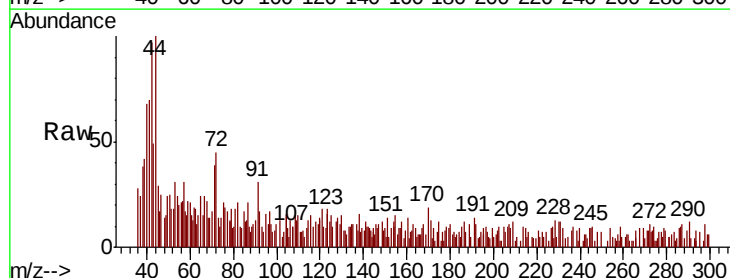
Tgt Ion: 42 Resp: 6526

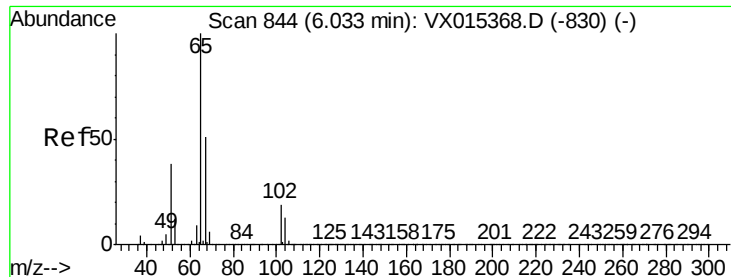
Ion Ratio Lower Upper

42 100

72 33.9 31.7 47.5

71 30.4 29.6 44.4

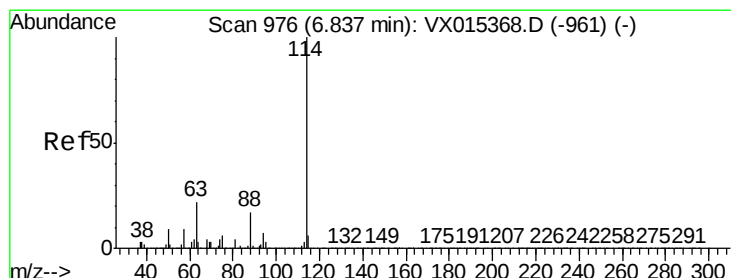
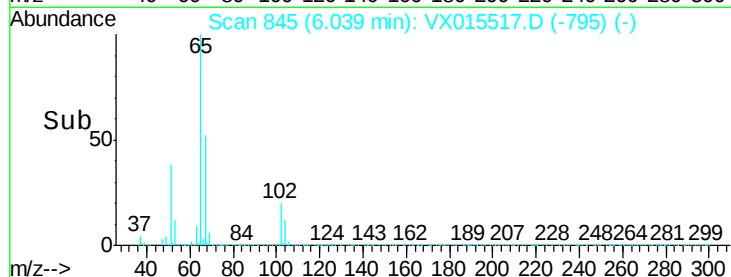
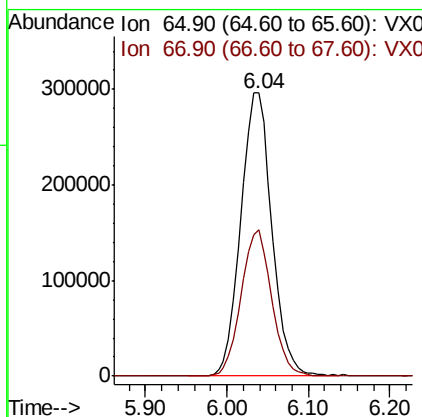
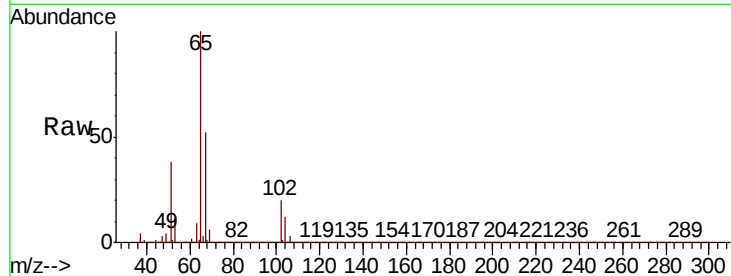




#33
 1,2-Dichloroethane-d4
 Concen: 47.131 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015517.D
 Acq: 06 Apr 2020 16:57

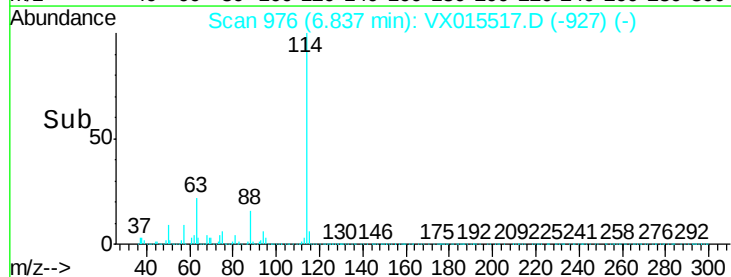
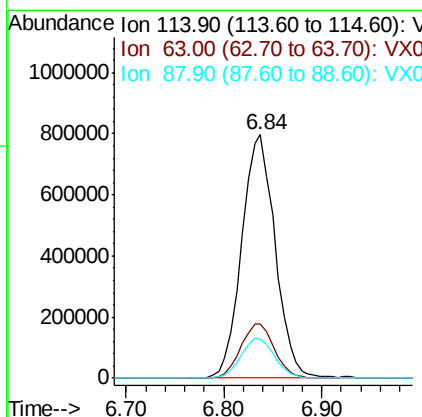
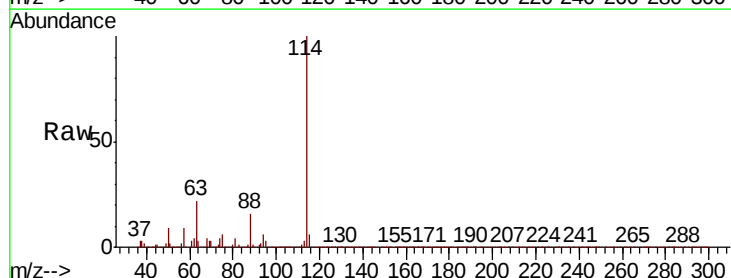
Instrument :
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 AU-05-040220

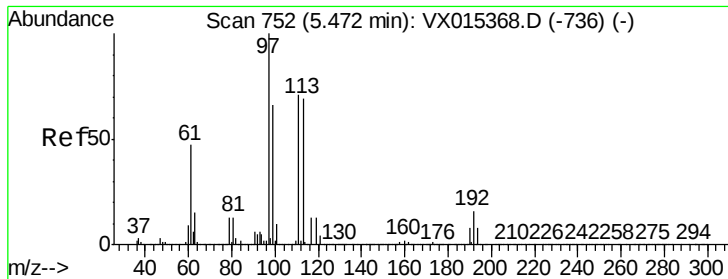
Tot Ion: 65 Resp: 784029
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015517.D
 Acq: 06 Apr 2020 16:57

Tgt Ion: 114 Resp: 1889170
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.2
 88 16.1 0.0 33.8

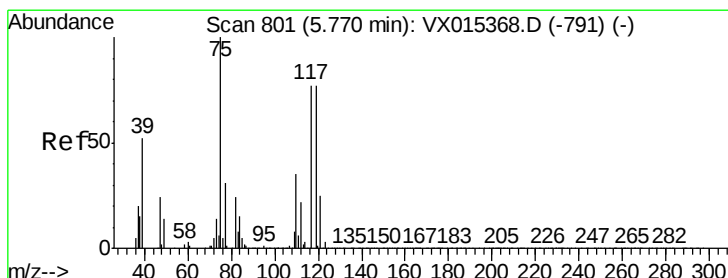
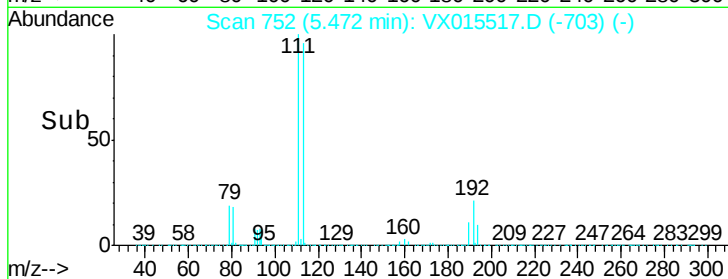
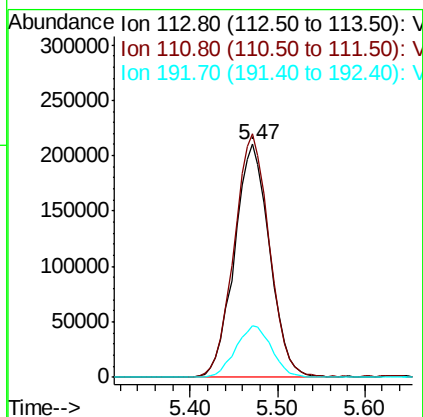
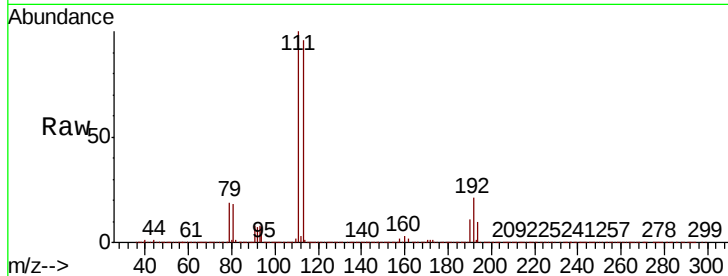




#35
 Dibromofluoromethane
 Concen: 48.526 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015517.D
 Acq: 06 Apr 2020 16:57

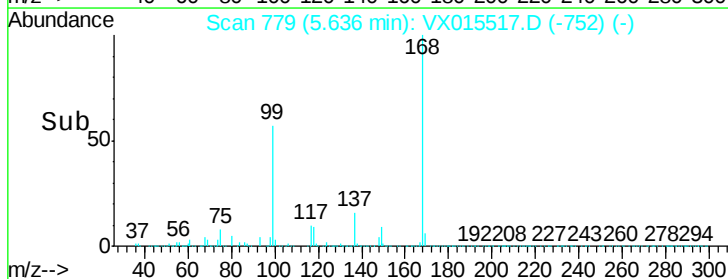
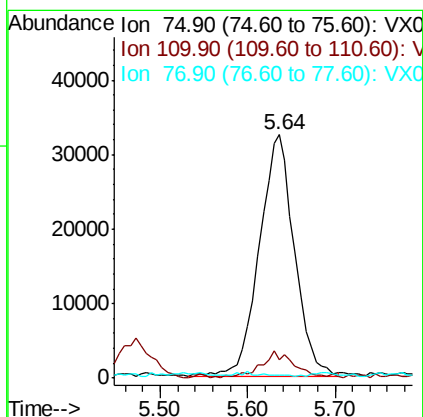
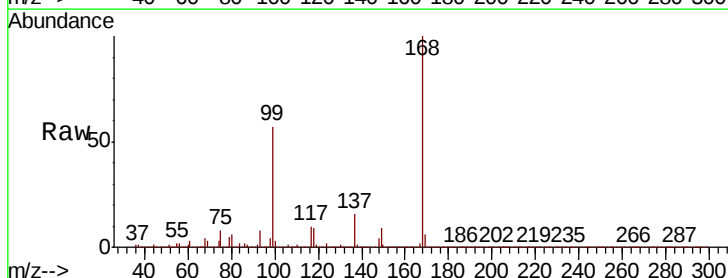
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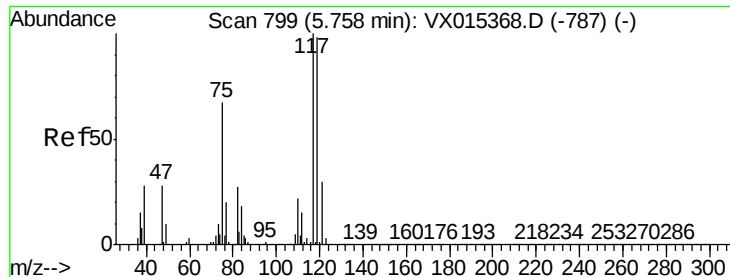
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.5	122.3
192	22.7	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.235 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015517.D
 Acq: 06 Apr 2020 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.1	51.3#
77	0.2	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.010 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015517.D

Acq: 06 Apr 2020 16:57

Instrument :

MSVOA_X

ClientSampled :

AU-05-040220

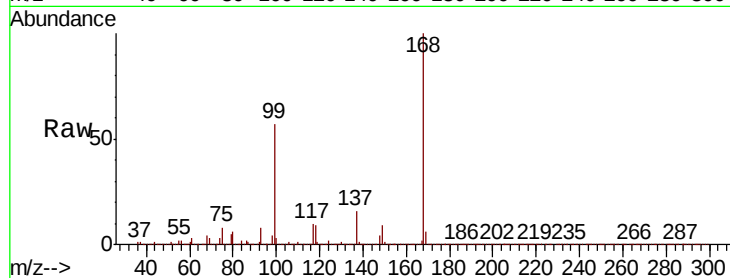
Tot Ion:117 Resp: 113312

Ion Ratio Lower Upper

117 100

119 5.0 78.0 117.0#

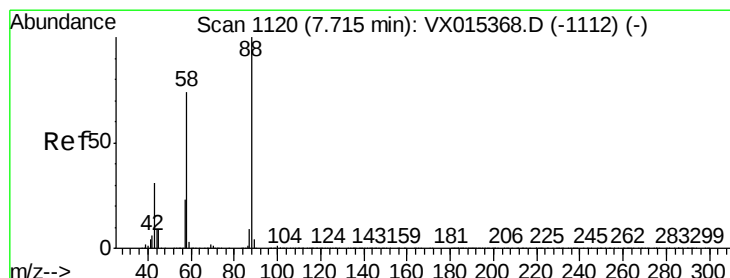
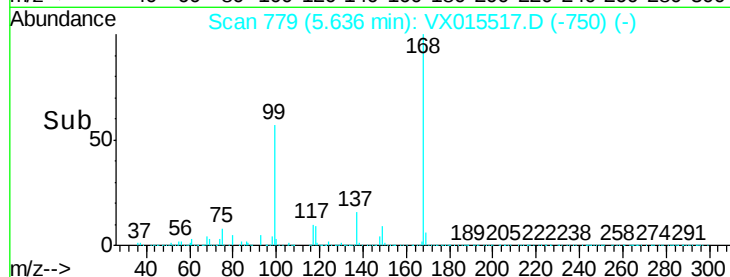
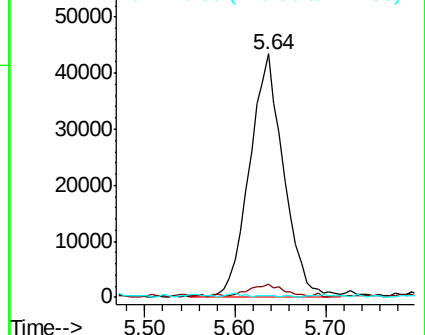
121 0.2 23.8 35.8#



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: 0.345 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VX015517.D

Acq: 06 Apr 2020 16:57

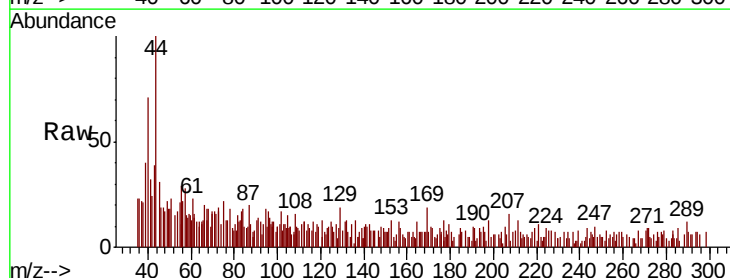
Tgt Ion: 88 Resp: 123

Ion Ratio Lower Upper

88 100

43 3001.6 30.1 45.1#

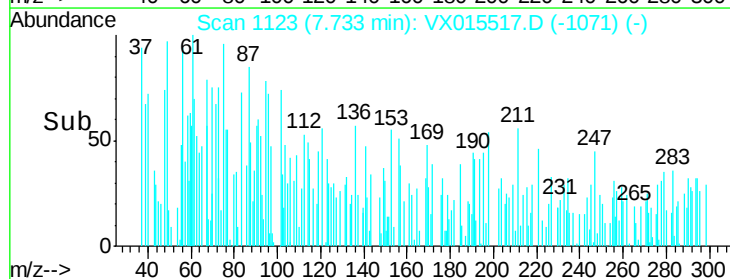
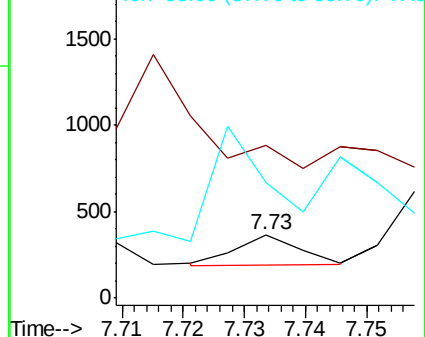
58 348.8 60.6 90.8#

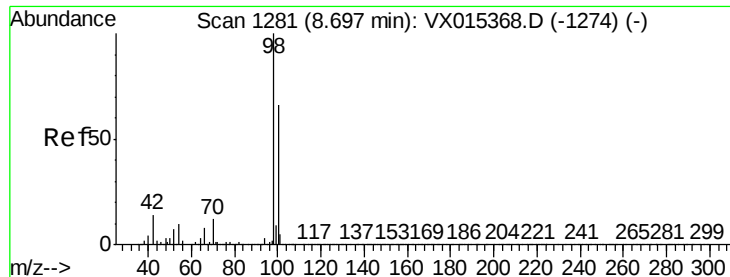


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.283 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015517.D

Acq: 06 Apr 2020 16:57

Instrument :

MSVOA_X

ClientSampleId :

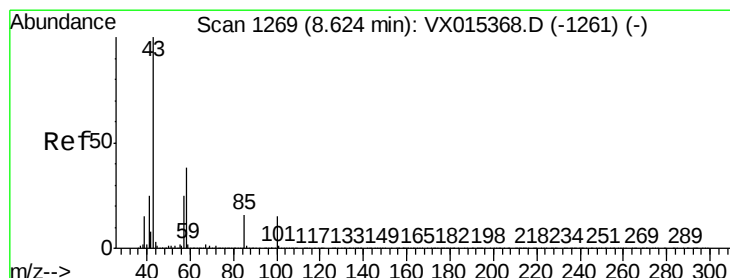
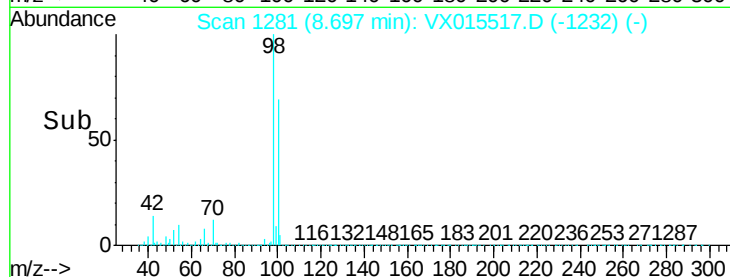
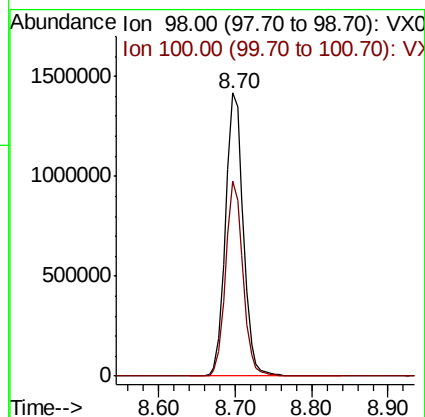
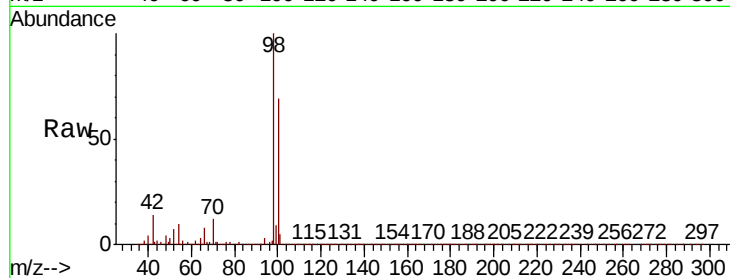
AU-05-040220

Tot Ion: 98 Resp: 2280084

Ion Ratio Lower Upper

98 100

100 66.9 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 0.202 ug/l

RT: 8.62 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX015517.D

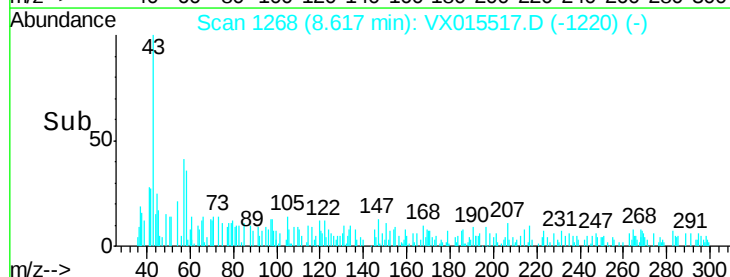
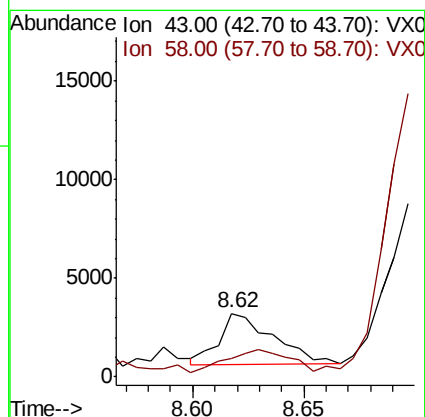
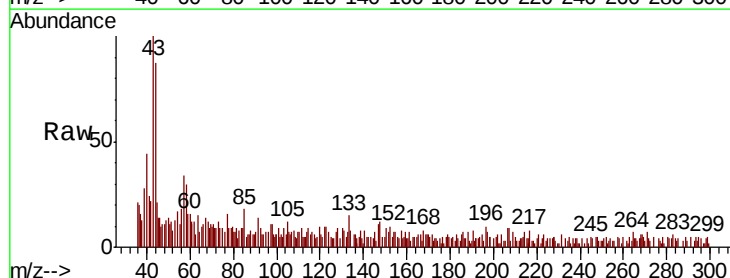
Acq: 06 Apr 2020 16:57

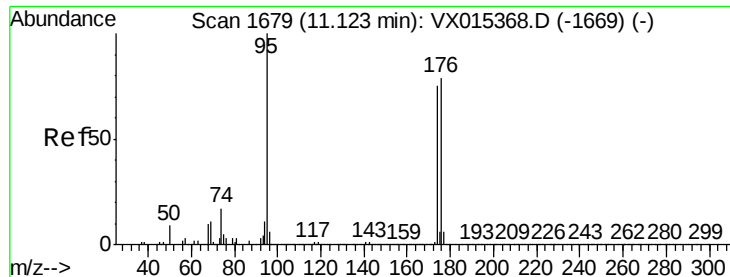
Tgt Ion: 43 Resp: 4383

Ion Ratio Lower Upper

43 100

58 49.3 29.7 44.5#





#62

4-Bromofluorobenzene

Concen: 55.442 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015517.D

Acq: 06 Apr 2020 16:57

Instrument :

MSVOA_X

ClientSampleId :

AU-05-040220

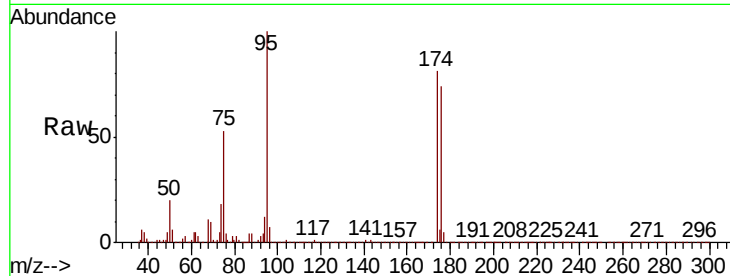
Tot Ion: 95 Resp: 1001779

Ion Ratio Lower Upper

95 100

174 82.1 0.0 158.6

176 76.6 0.0 159.0



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

11.12

800000

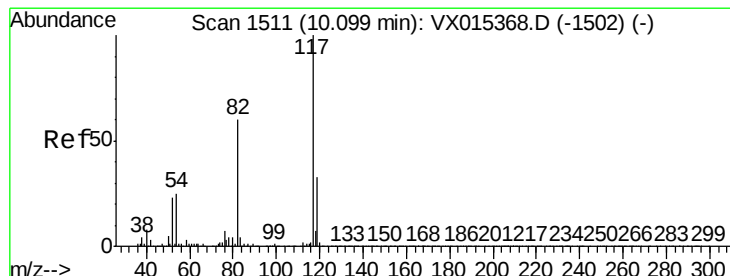
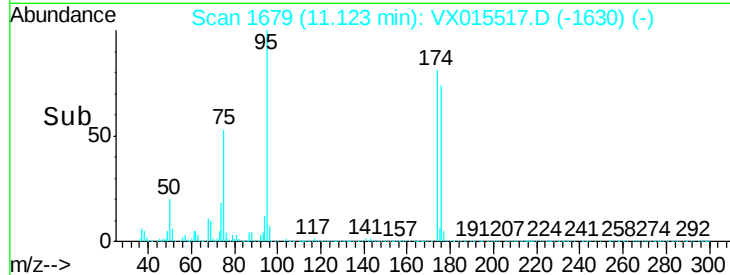
600000

400000

200000

0

Time--> 11.00 11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015517.D

Acq: 06 Apr 2020 16:57

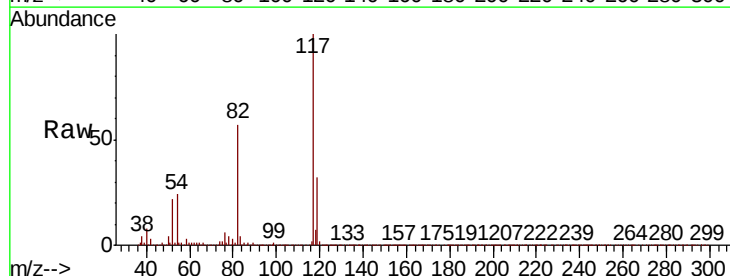
Tgt Ion: 117 Resp: 1834612

Ion Ratio Lower Upper

117 100

82 57.1 47.8 71.8

119 32.2 26.8 40.2



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

10.10

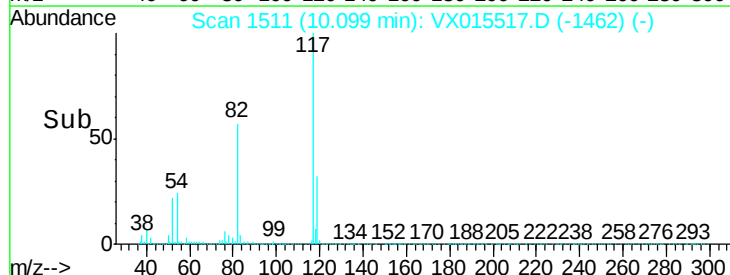
1500000

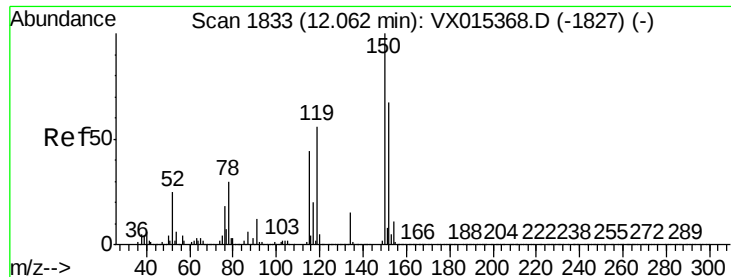
1000000

500000

0

Time--> 10.00 10.10 10.20



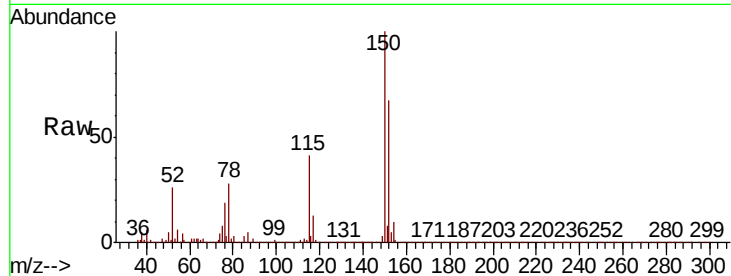


#72

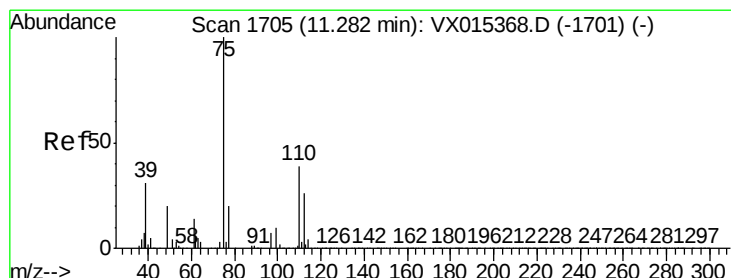
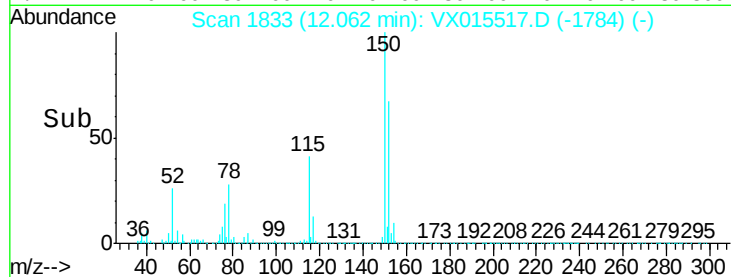
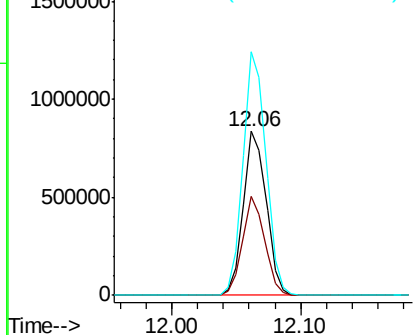
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015517.D
Acq: 06 Apr 2020 16:57

Instrument :
MSVOA_X
ClientSampleId :
AU-05-040220

Tot Ion:152 Resp: 1027045
Ion Ratio Lower Upper
152 100
115 58.1 39.0 116.9
150 148.9 0.0 340.8



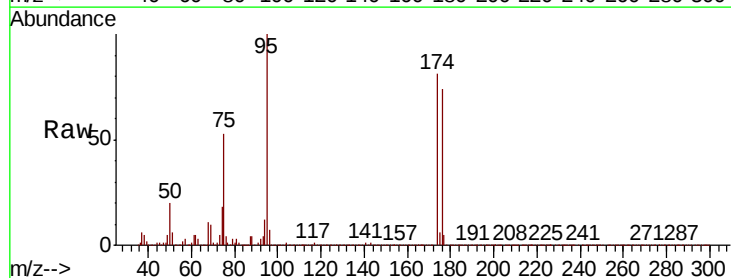
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



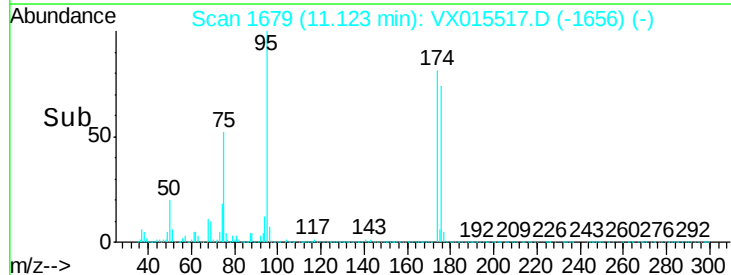
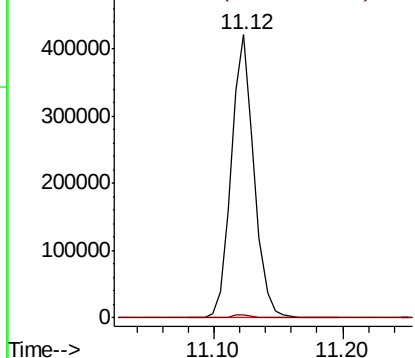
#76

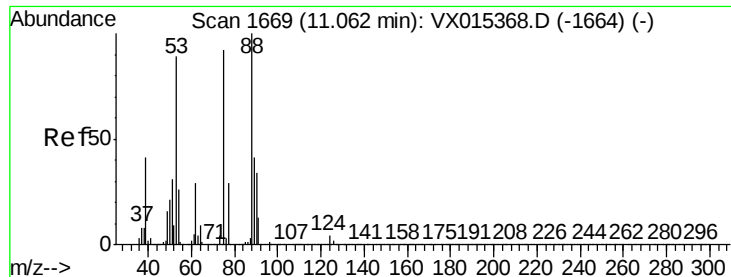
1,2,3-Trichloropropane
Concen: 24.623 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015517.D
Acq: 06 Apr 2020 16:57

Tgt Ion: 75 Resp: 520041
Ion Ratio Lower Upper
75 100
77 1.1 21.2 63.6#



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: 59.081 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015517.D

Acq: 06 Apr 2020 16:57

Instrument :

MSVOA_X

ClientSampleId :

AU-05-040220

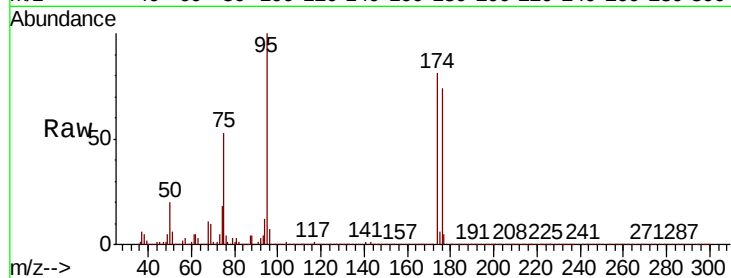
Tot Ion: 75 Resp: 520041

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.1 36.1 54.1#



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

