

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040620\
 Data File : VX015519.D
 Acq On : 06 Apr 2020 17:42
 Operator : JC/SP
 Sample : L2110-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-05-040220

Quant Time: Apr 07 05:04:36 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	5.64	168	1195071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1990470	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1869714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	1028698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	813407	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
35) Dibromofluoromethane	5.47	113	615673	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	8.70	98	2363500	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.12	95	1060858	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	

Target Compounds

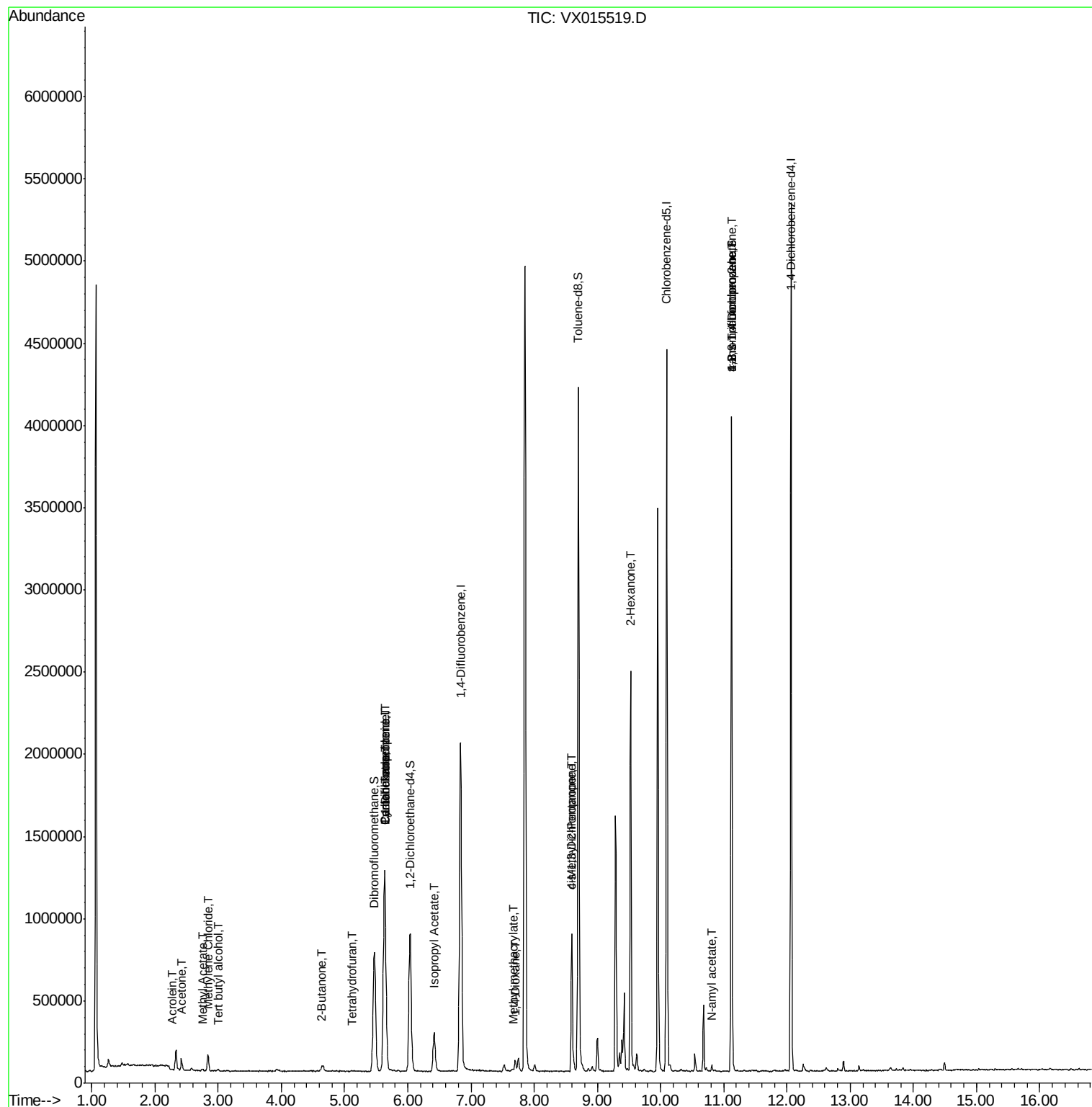
					Qvalue	
5) Bromomethane	1.64	94	674	Below Cal	#	3
11) Tert butyl alcohol	3.00	59	9261	2.296	ug/l	98
13) Acrolein	2.28	56	667	0.290	ug/l	95
16) Acetone	2.42	43	78411	10.828	ug/l	91
18) Methyl Acetate	2.75	43	15028	0.813	ug/l #	82
20) Methylene Chloride	2.84	84	46272	3.421	ug/l	93
25) 2-Butanone	4.65	43	24061	2.066	ug/l #	81
29) Tetrahydrofuran	5.12	42	3802	0.508	ug/l	92
31) Cyclohexane	5.63	56	23957	1.123	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	92054	5.019	ug/l #	51
38) Carbon Tetrachloride	5.64	117	115580	5.819	ug/l #	15
43) Isopropyl Acetate	6.42	43	335370	8.319	ug/l	99
48) Methyl methacrylate	7.66	41	20680	1.027	ug/l #	18
49) 1,4-Dioxane	7.70	88	569	1.515	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	335005	14.664	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	133802	5.452	ug/l #	55
59) 2-Hexanone	9.53	43	306838	17.790	ug/l #	51
74) N-amyl acetate	10.81	43	19907	0.531	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	537123	25.391	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	537123	60.924	ug/l #	10

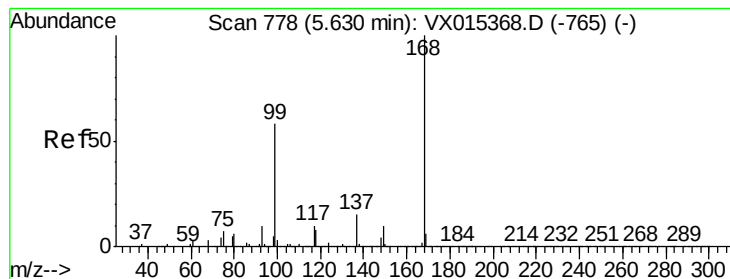
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 07 05:04:36 2020
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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

Instrument :

MSVOA_X

ClientSampleId :

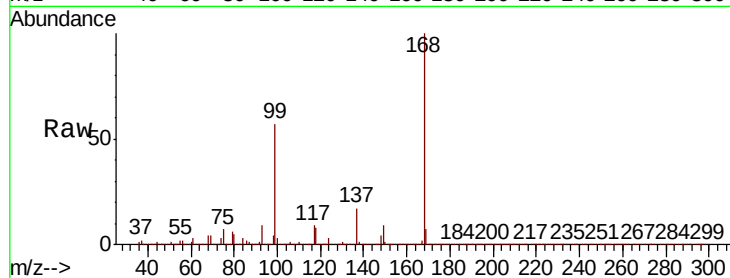
AU-05-040220

Tot Ion:168 Resp: 1195071

Ion Ratio Lower Upper

168 100

99 57.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

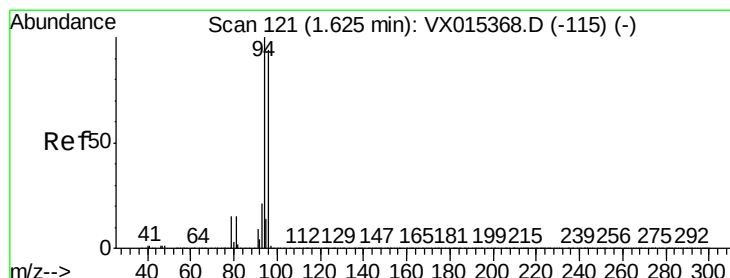
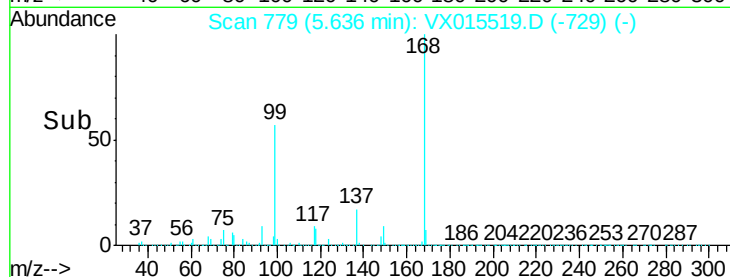
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015519.D

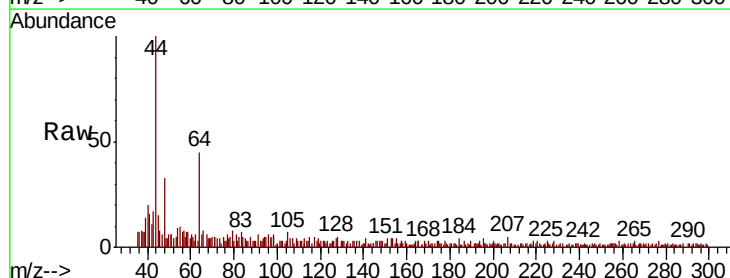
Acq: 06 Apr 2020 17:42

Tgt Ion: 94 Resp: 674

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

1000

800

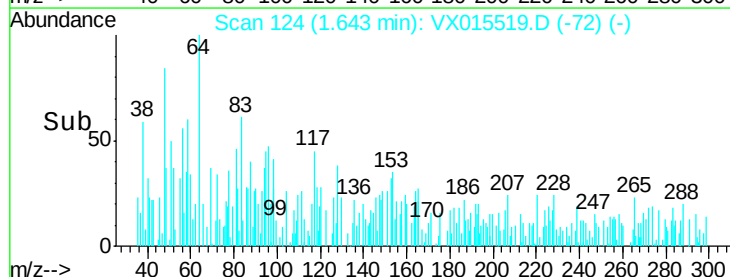
600

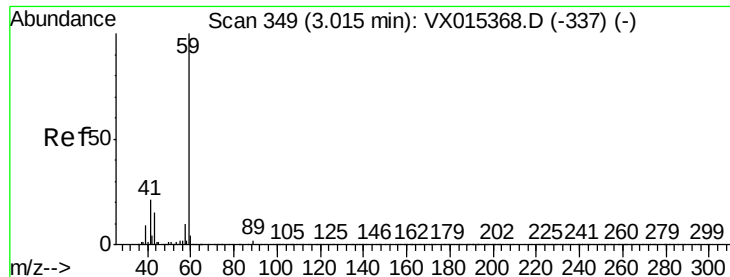
400

200

0

Time-->



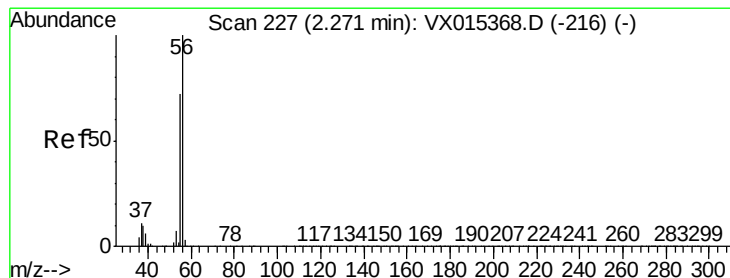
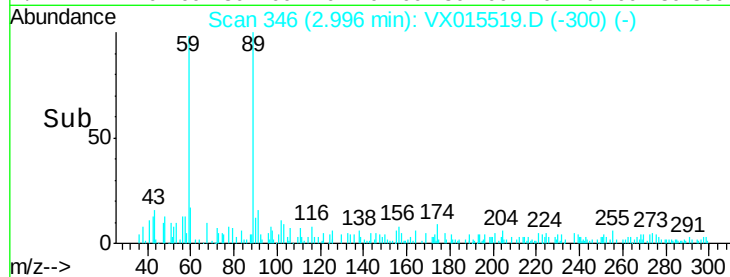
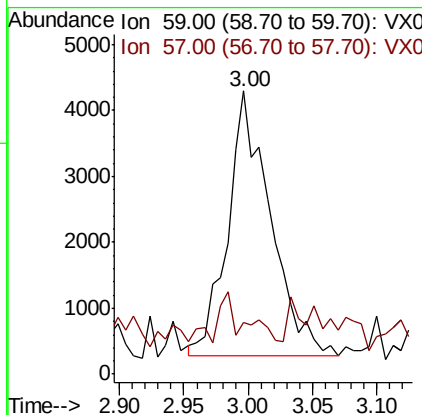
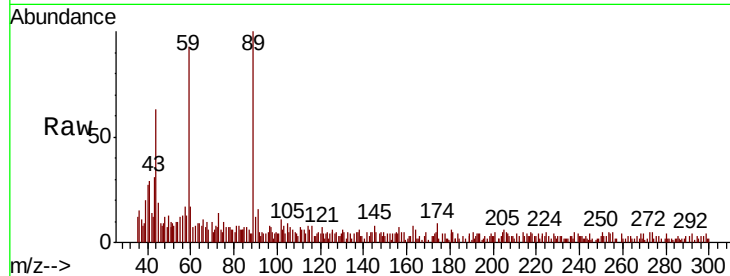


#11

Tert butyl alcohol
Concen: 2.296 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015519.D
Acq: 06 Apr 2020 17:42

Instrument :
MSVOA_X
ClientSampleId :
AU-05-040220

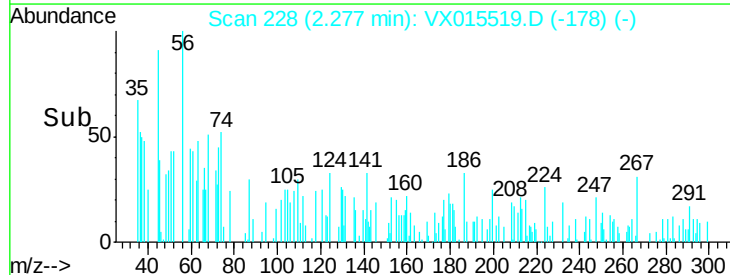
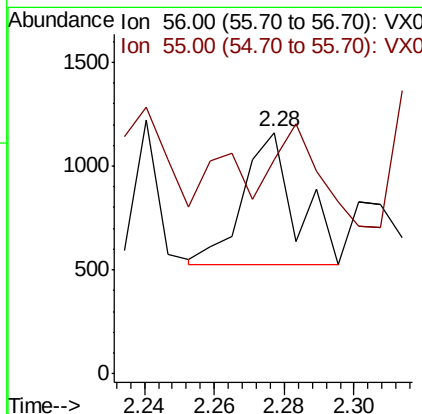
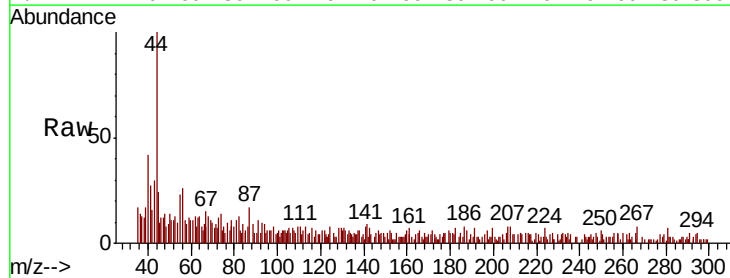
Tot Ion: 59 Resp: 9261
Ion Ratio Lower Upper
59 100
57 9.5 8.1 12.1

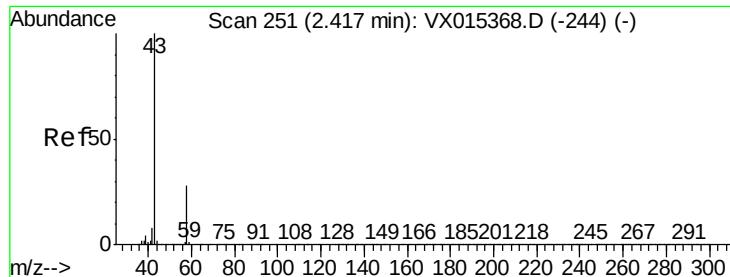


#13

Acrolein
Concen: 0.290 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015519.D
Acq: 06 Apr 2020 17:42

Tgt Ion: 56 Resp: 667
Ion Ratio Lower Upper
56 100
55 66.9 57.0 85.4





#16

Acetone

Concen: 10.828 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

Instrument :

MSVOA_X

ClientSampleId :

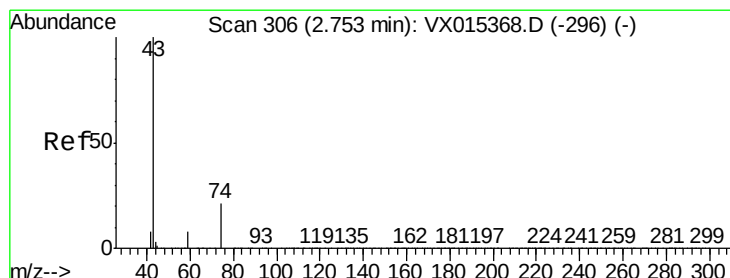
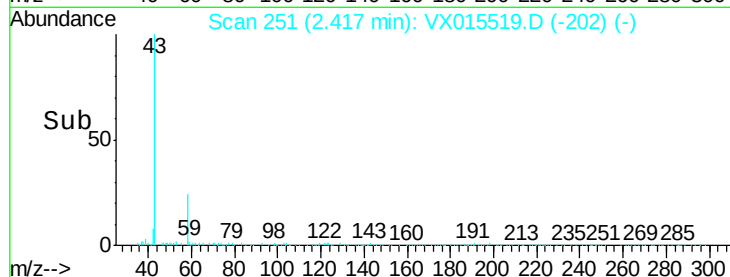
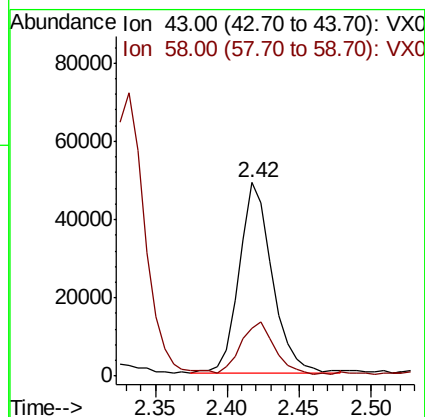
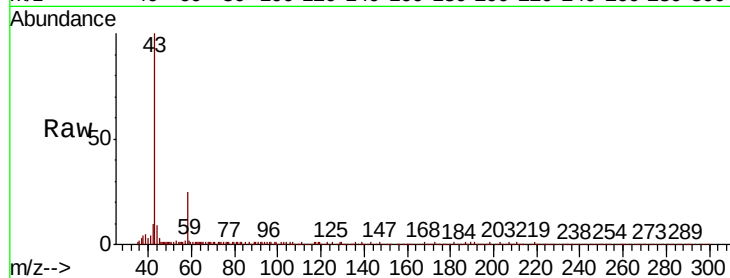
AU-05-040220

Tot Ion: 43 Resp: 78411

Ion Ratio Lower Upper

43 100

58 22.9 22.1 33.1



#18

Methyl Acetate

Concen: 0.813 ug/l

RT: 2.75 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX015519.D

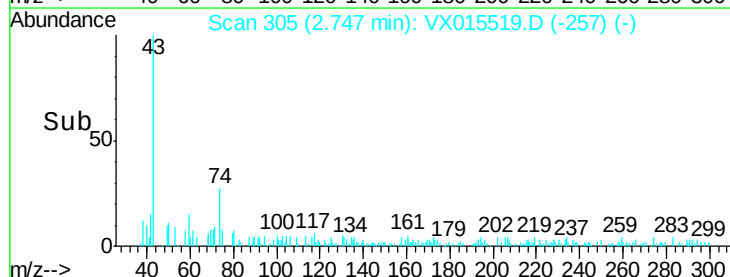
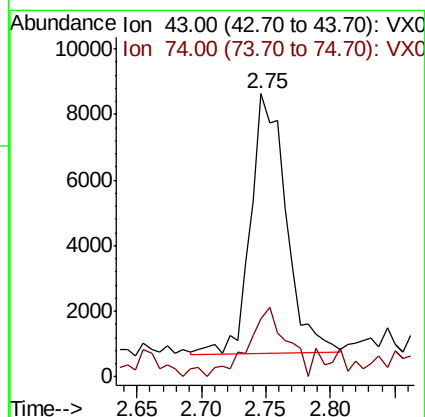
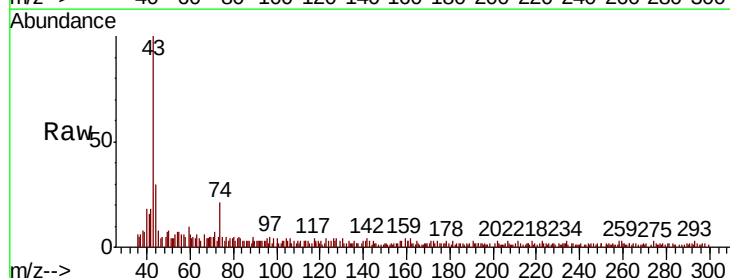
Acq: 06 Apr 2020 17:42

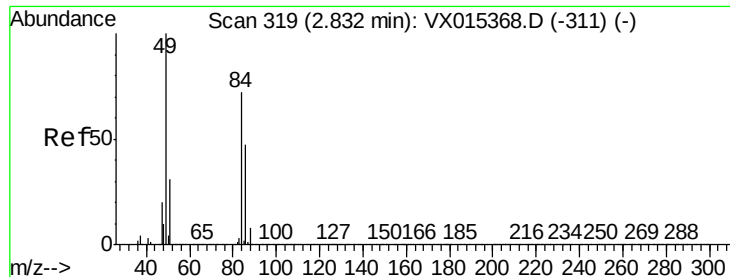
Tgt Ion: 43 Resp: 15028

Ion Ratio Lower Upper

43 100

74 28.9 16.5 24.7#

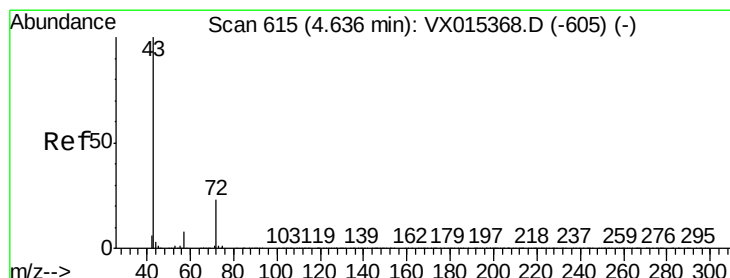
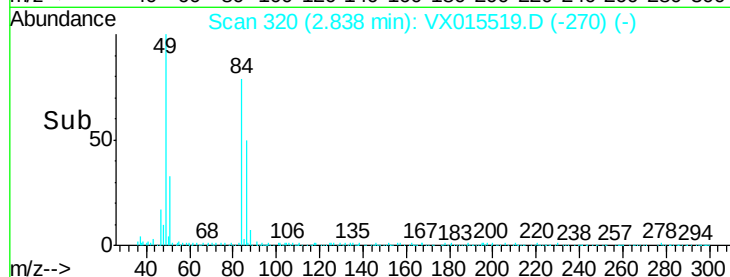
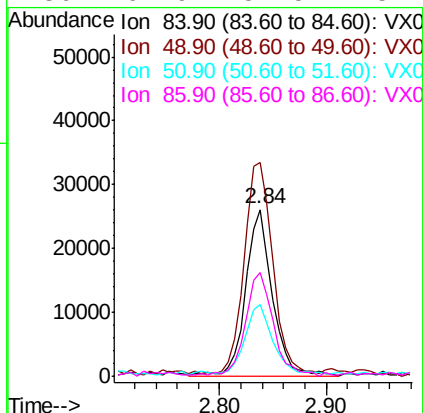
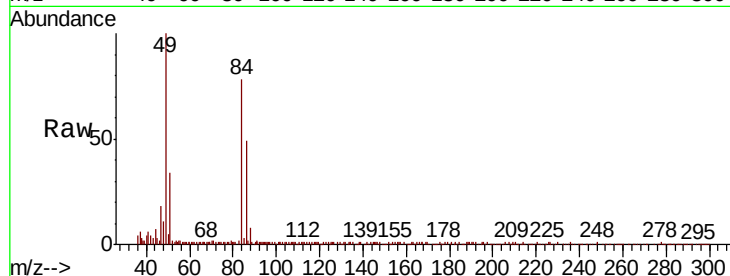




#20
Methylene Chloride
Concen: 3.421 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015519.D
Acq: 06 Apr 2020 17:42

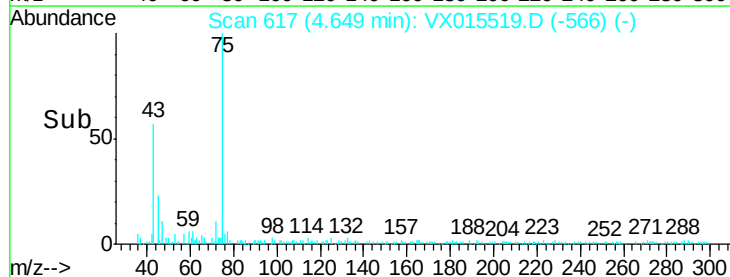
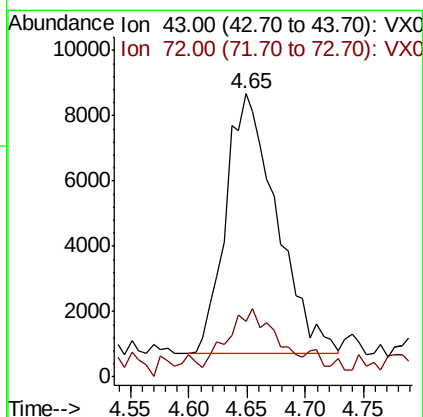
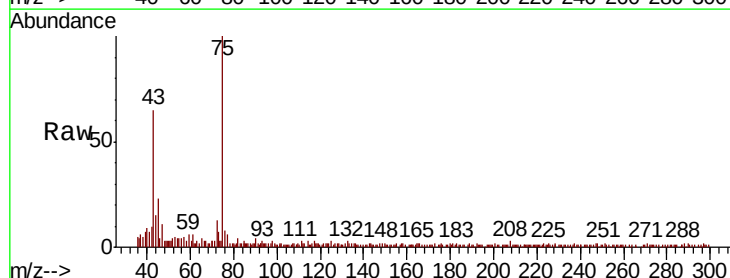
Instrument :
MSVOA_X
ClientSampleId :
AU-05-040220

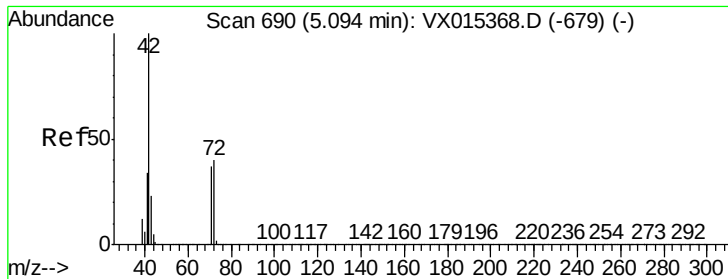
Tot Ion: 84 Resp: 46272
Ion Ratio Lower Upper
84 100
49 127.7 111.3 166.9
51 42.3 34.0 51.0
86 61.9 52.5 78.7



#25
2-Butanone
Concen: 2.066 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015519.D
Acq: 06 Apr 2020 17:42

Tgt Ion: 43 Resp: 24061
Ion Ratio Lower Upper
43 100
72 14.6 19.0 28.4#

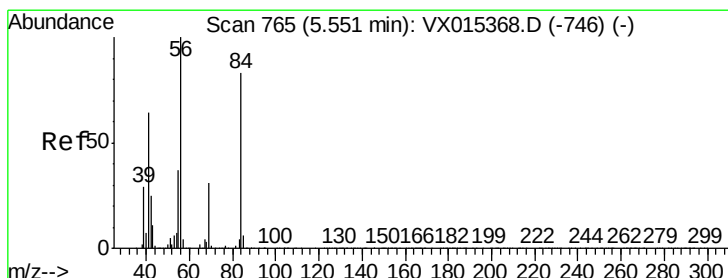
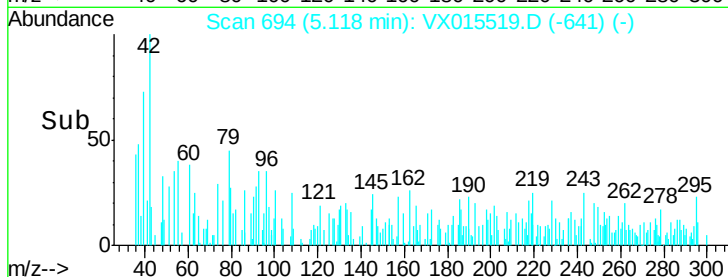
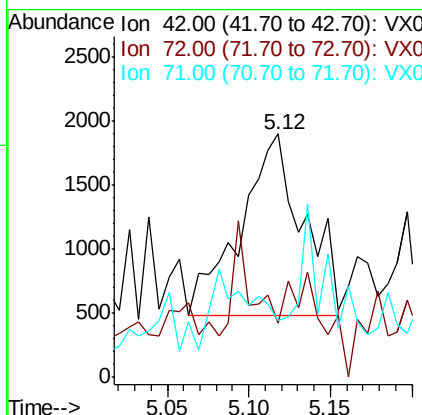
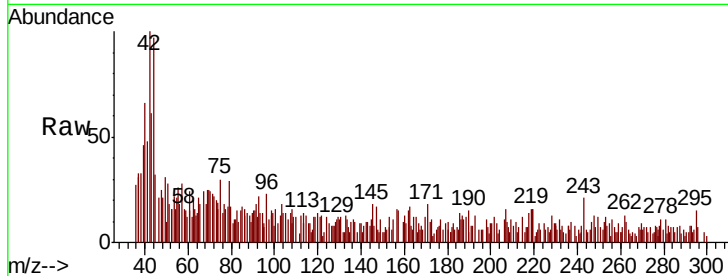




#29
Tetrahydrofuran
Concen: 0.508 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.02 min
Lab File: VX015519.D
Acq: 06 Apr 2020 17:42

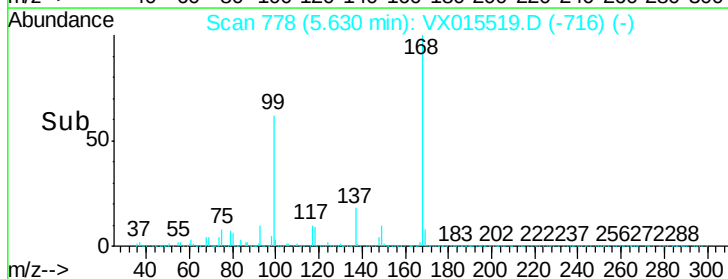
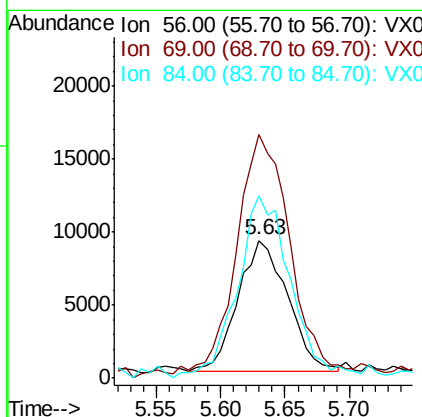
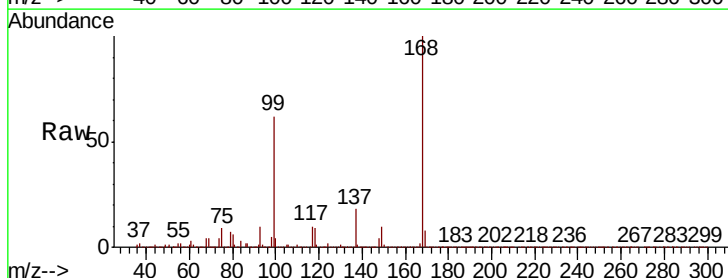
Instrument :
MSVOA_X
ClientSampled :
AU-05-040220

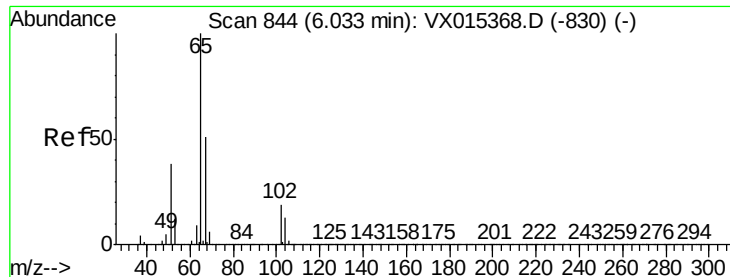
Tot Ion:	42	Resp:	3802
Ion	Ratio	Lower	Upper
42	100		
72	32.7	31.7	47.5
71	34.8	29.6	44.4



#31
Cyclohexane
Concen: 1.123 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015519.D
Acq: 06 Apr 2020 17:42

Tgt Ion:	56	Resp:	23957
Ion	Ratio	Lower	Upper
56	100		
69	180.0	24.6	36.8#
84	135.4	66.1	99.1#





#33

1,2-Dichloroethane-d4

Concen: 48.259 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

Instrument :

MSVOA_X

ClientSampleId :

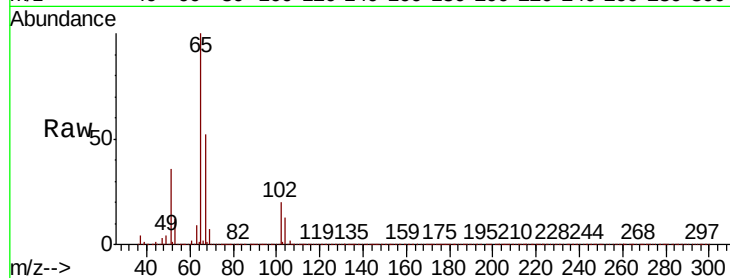
AU-05-040220

Tot Ion: 65 Resp: 813407

Ion Ratio Lower Upper

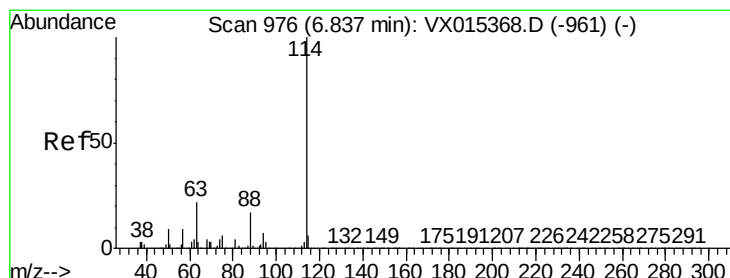
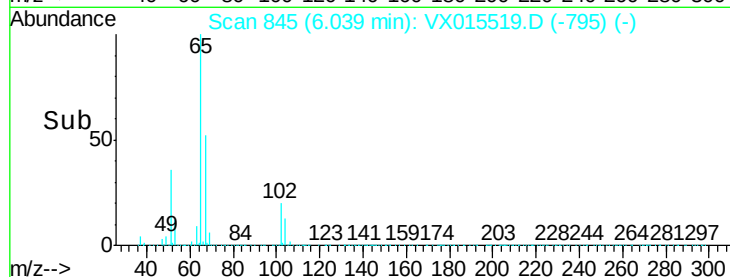
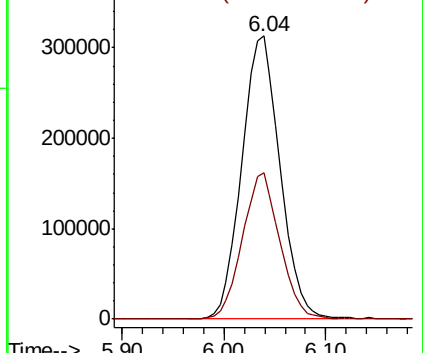
65 100

67 50.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

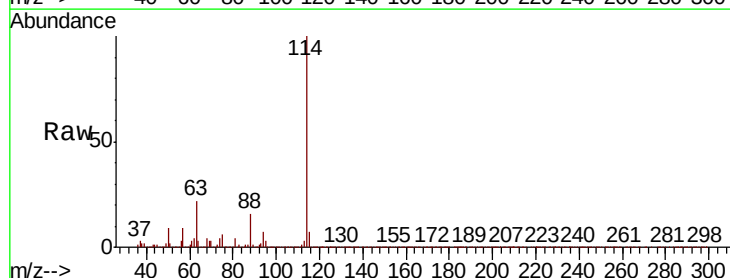
Tgt Ion: 114 Resp: 1990470

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.2

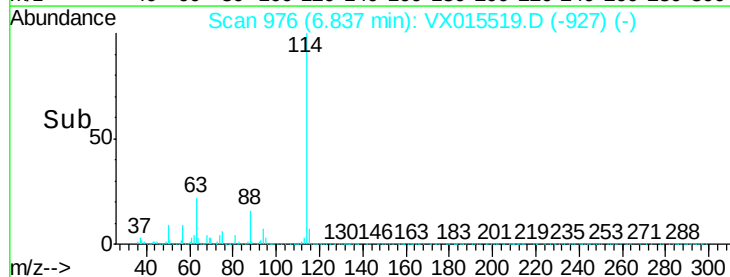
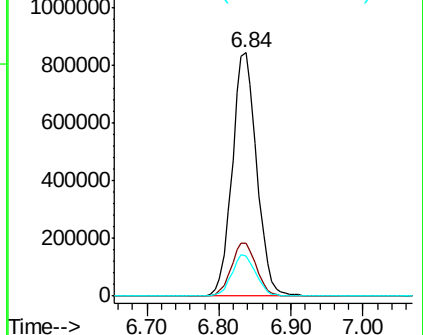
88 16.3 0.0 33.8

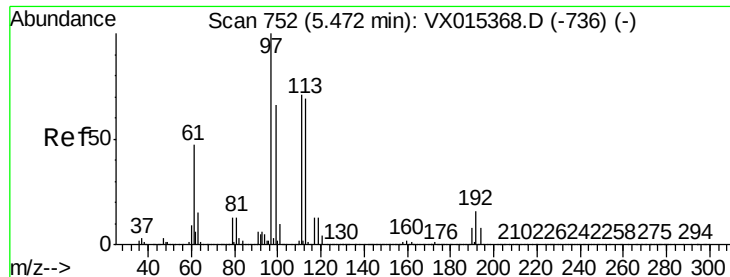


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

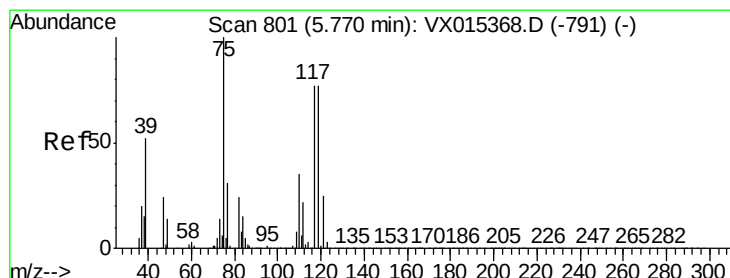
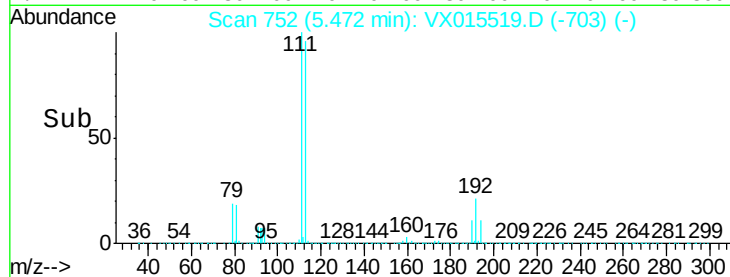
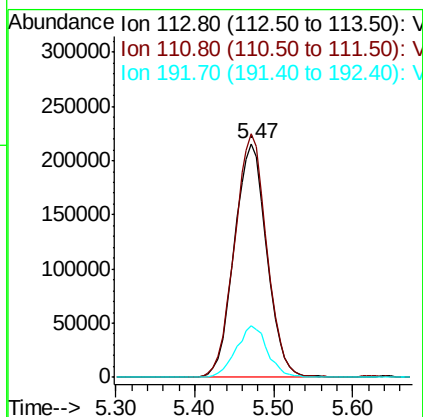
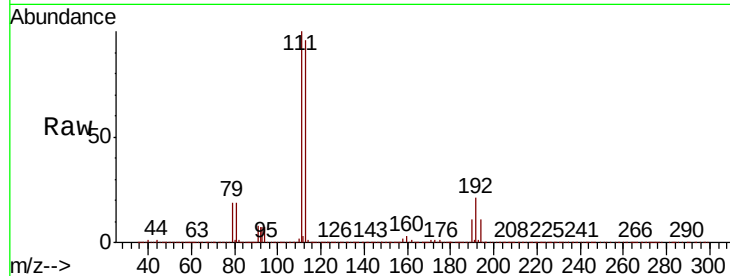




#35
 Dibromofluoromethane
 Concen: 48.388 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015519.D
 Acq: 06 Apr 2020 17:42

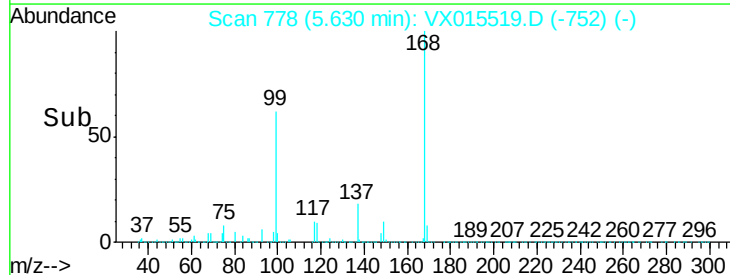
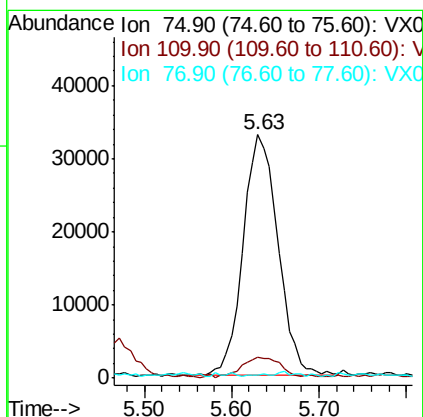
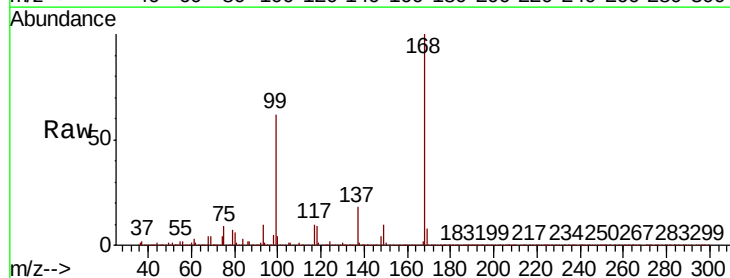
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 AU-05-040220

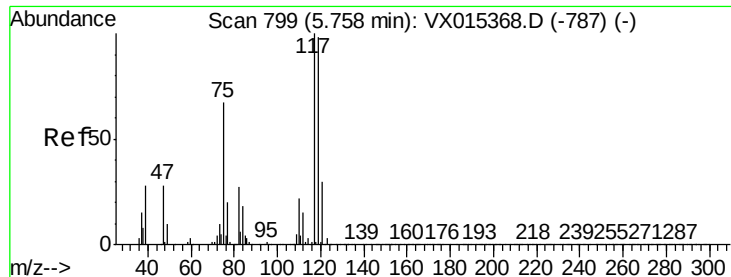
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.5	122.3
192	21.4	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.019 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015519.D
 Acq: 06 Apr 2020 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.1	51.3#
77	0.3	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.819 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

Instrument :

MSVOA_X

ClientSampled :

AU-05-040220

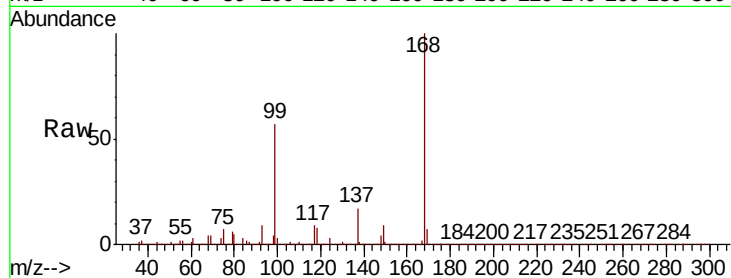
Tot Ion:117 Resp: 115580

Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

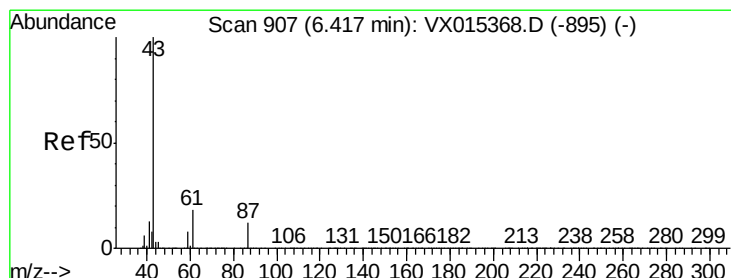
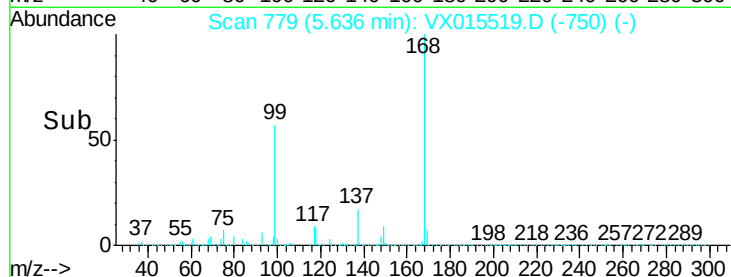
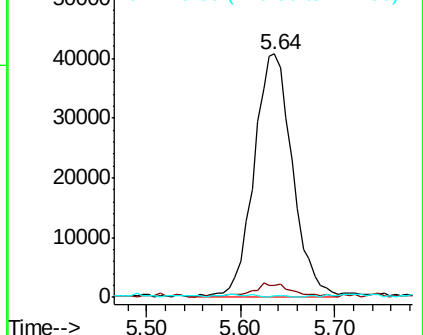
121 0.5 23.8 35.8#



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



#43

Isopropyl Acetate

Concen: 8.319 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

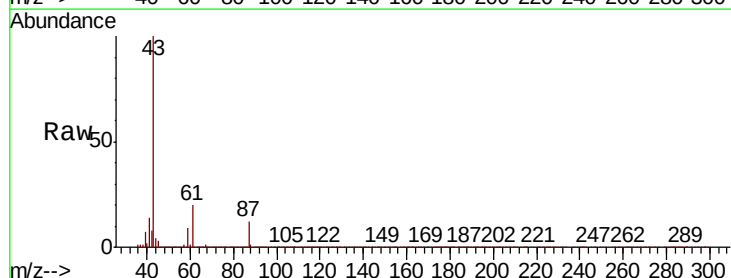
Tgt Ion: 43 Resp: 335370

Ion Ratio Lower Upper

43 100

61 19.0 14.8 22.2

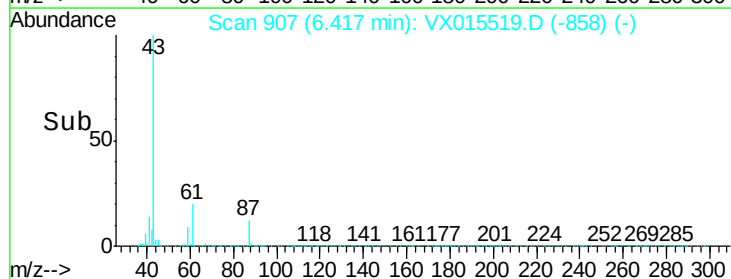
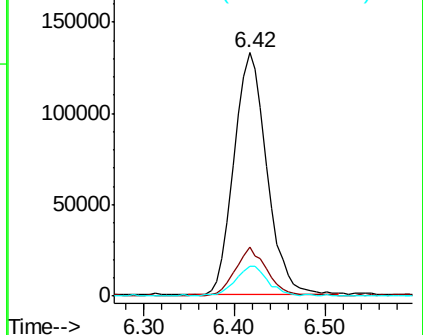
87 11.7 9.4 14.0

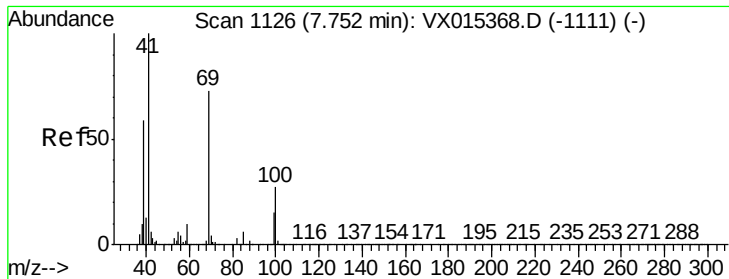


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

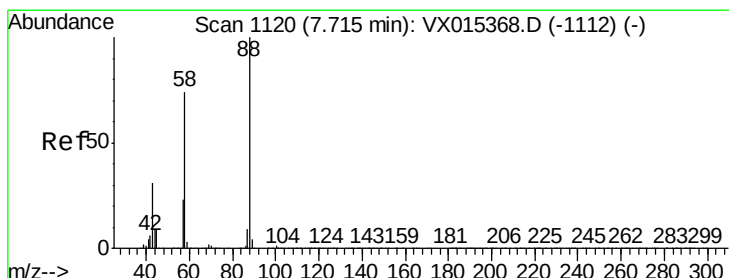
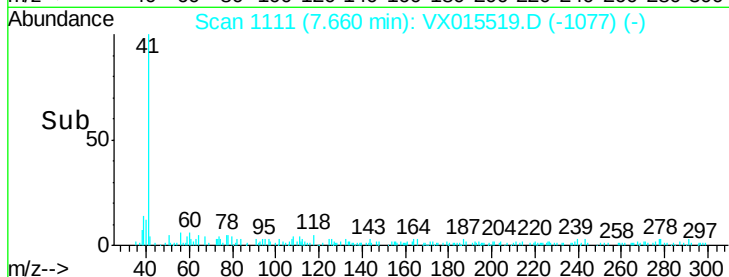
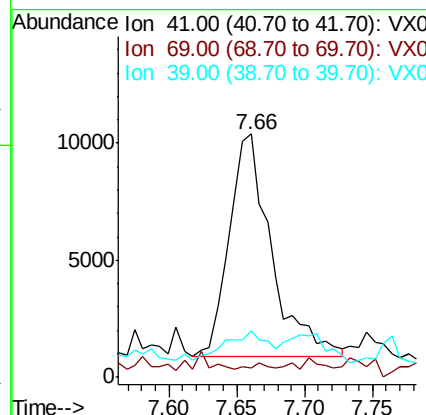
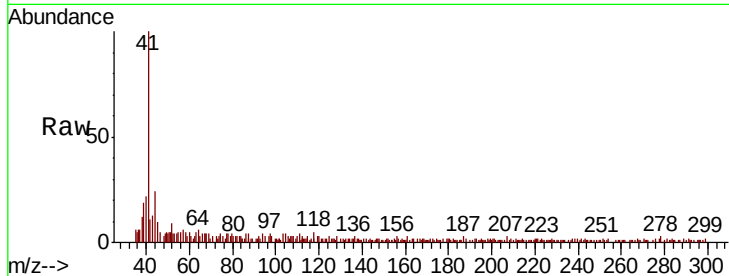




#48
Methvl methacrylate
Concen: 1.027 ug/l
RT: 7.66 min Scan# 1111
Delta R.T. -0.09 min
Lab File: VX015519.D
Acq: 06 Apr 2020 17:42

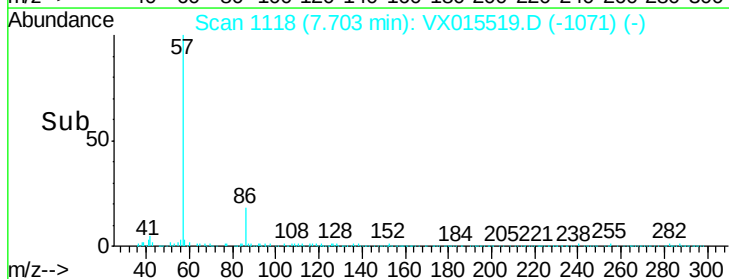
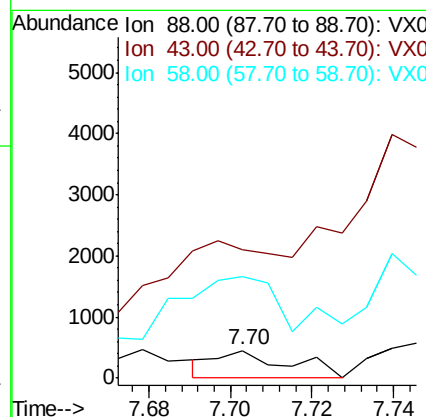
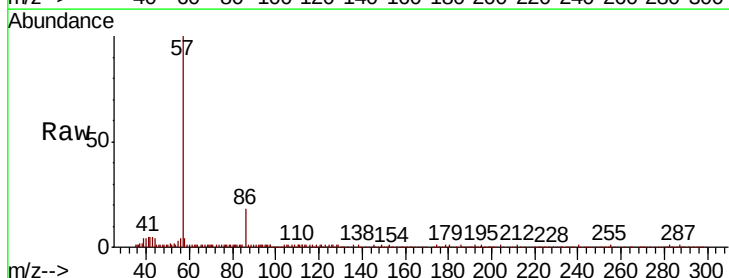
Instrument :
MSVOA_X
ClientSampled :
AU-05-040220

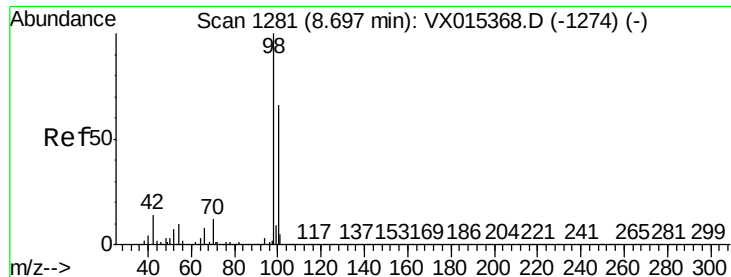
Tot Ion: 41 Resp: 20680
Ion Ratio Lower Upper
41 100
69 1.1 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 1.515 ug/l
RT: 7.70 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VX015519.D
Acq: 06 Apr 2020 17:42

Tgt Ion: 88 Resp: 569
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 458.7 60.6 90.8#

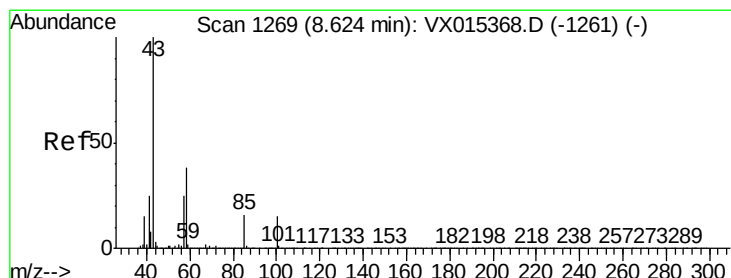
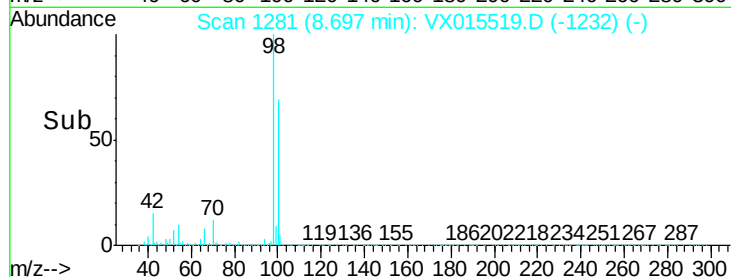
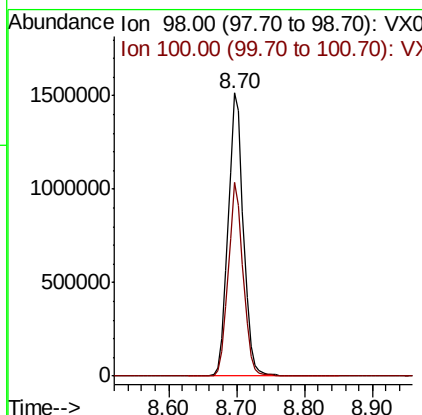
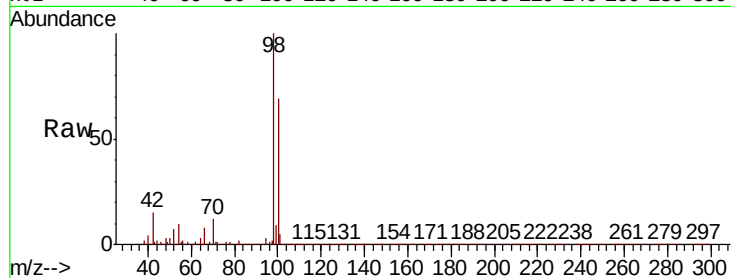




#50
Toluene-d8
Concen: 50.454 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015519.D
Acq: 06 Apr 2020 17:42

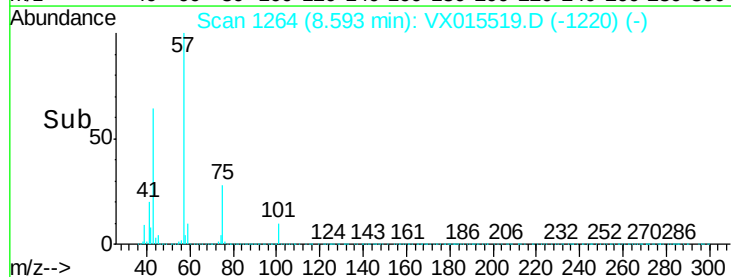
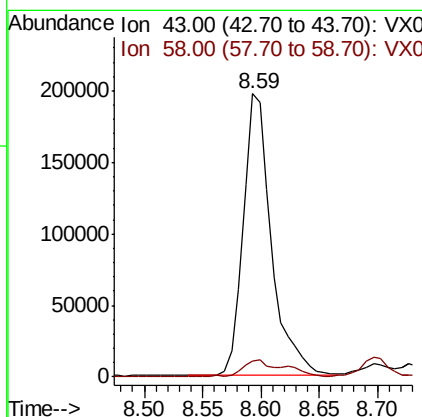
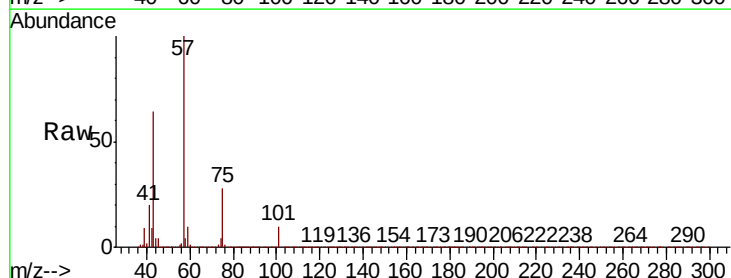
Instrument :
MSVOA_X
ClientSampleId :
AU-05-040220

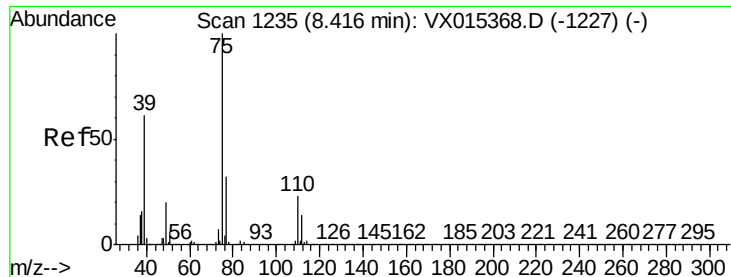
Tot Ion: 98 Resp: 2363500
Ion Ratio Lower Upper
98 100
100 66.9 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 14.664 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015519.D
Acq: 06 Apr 2020 17:42

Tgt Ion: 43 Resp: 335005
Ion Ratio Lower Upper
43 100
58 5.4 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 5.452 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. 0.18 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

Instrument :

MSVOA_X

ClientSampleId :

AU-05-040220

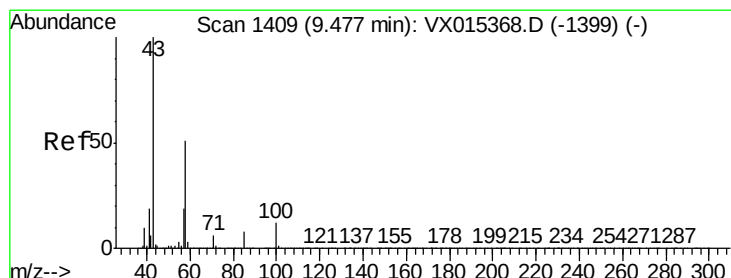
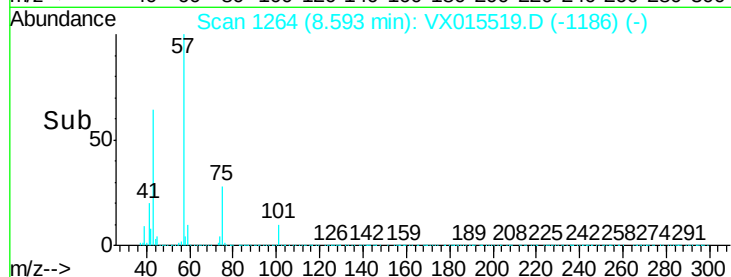
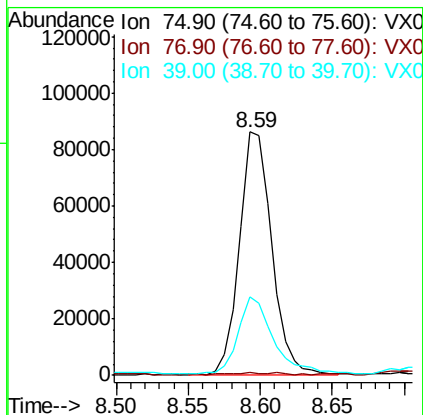
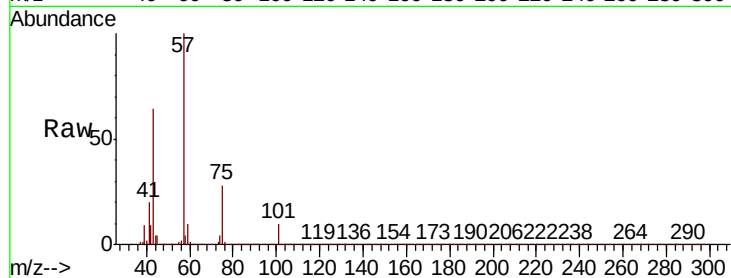
Tot Ion: 75 Resp: 133802

Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.6#

39 31.7 49.0 73.4#



#59

2-Hexanone

Concen: 17.790 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.05 min

Lab File: VX015519.D

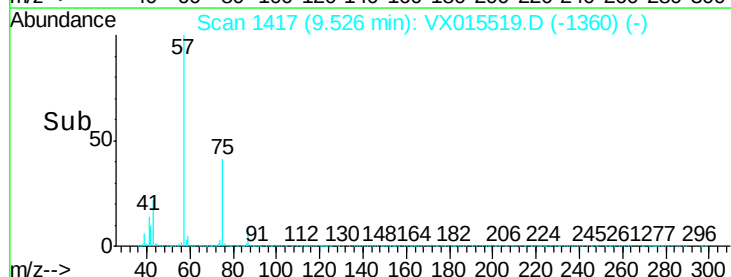
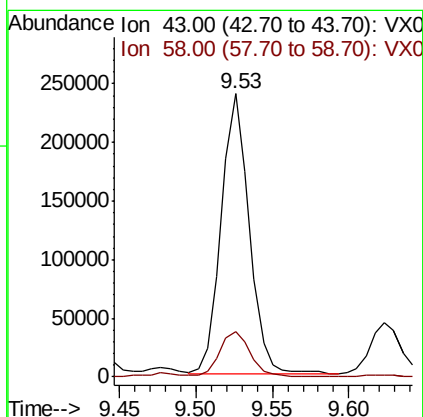
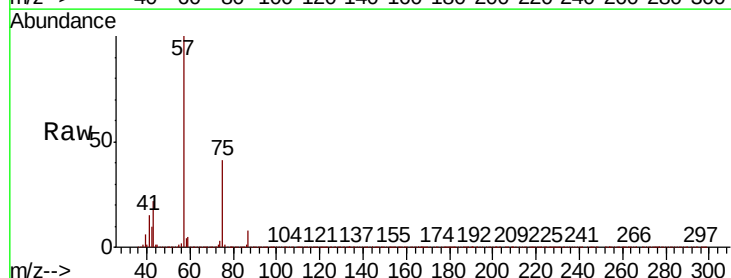
Acq: 06 Apr 2020 17:42

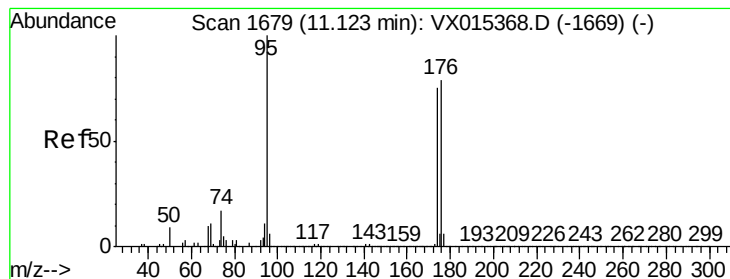
Tgt Ion: 43 Resp: 306838

Ion Ratio Lower Upper

43 100

58 17.1 25.6 76.6#





#62

4-Bromofluorobenzene

Concen: 55.723 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

Instrument :

MSVOA_X

ClientSampled :

AU-05-040220

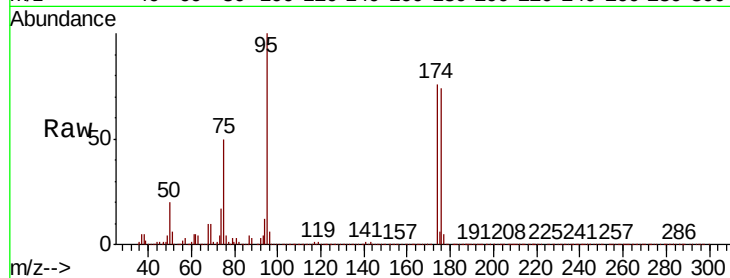
Tot Ion: 95 Resp: 1060858

Ion Ratio Lower Upper

95 100

174 78.2 0.0 158.6

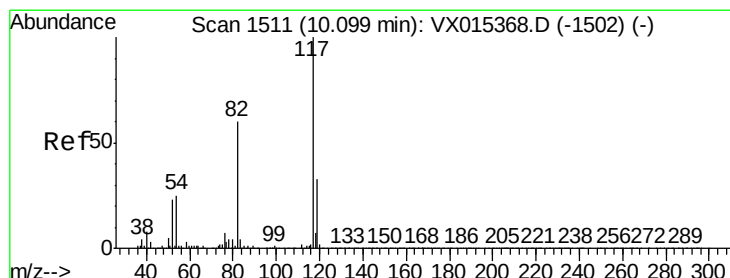
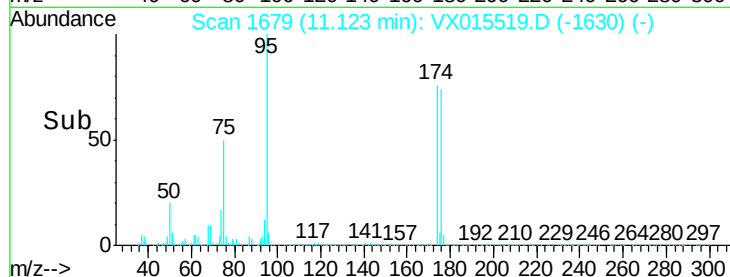
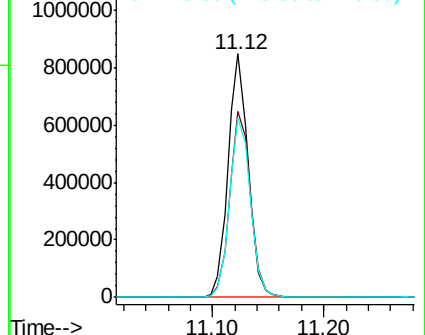
176 76.0 0.0 159.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

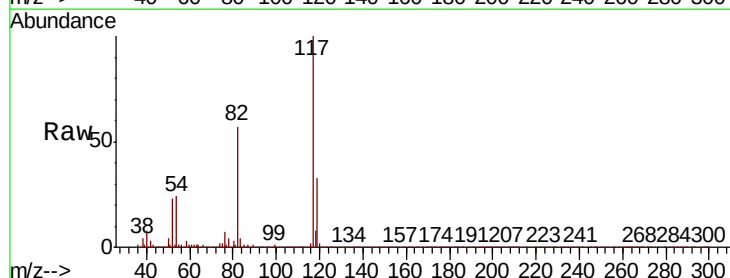
Tgt Ion: 117 Resp: 1869714

Ion Ratio Lower Upper

117 100

82 57.1 47.8 71.8

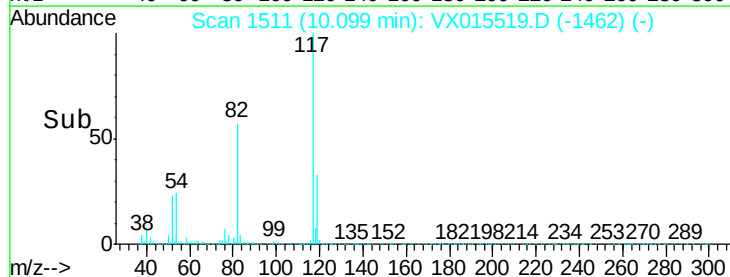
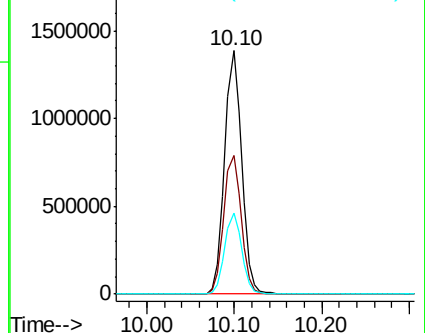
119 33.4 26.8 40.2

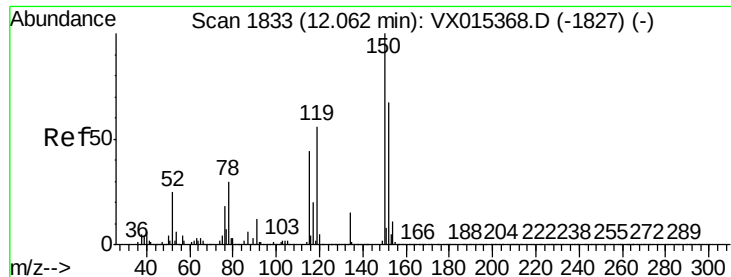


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

Instrument :

MSVOA_X

ClientSampleId :

AU-05-040220

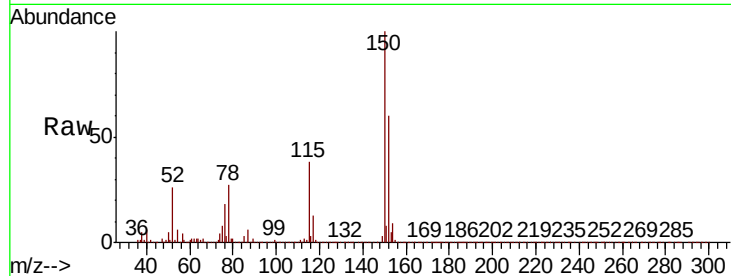
Tot Ion:152 Resp: 1028698

Ion Ratio Lower Upper

152 100

115 60.8 39.0 116.9

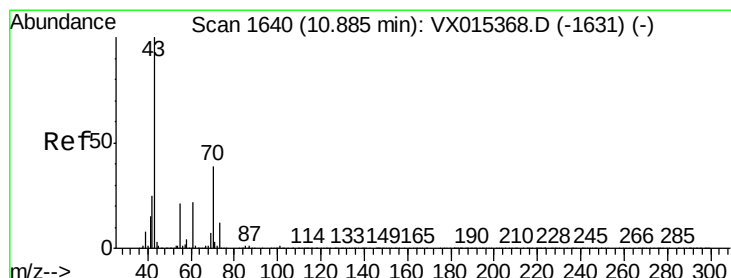
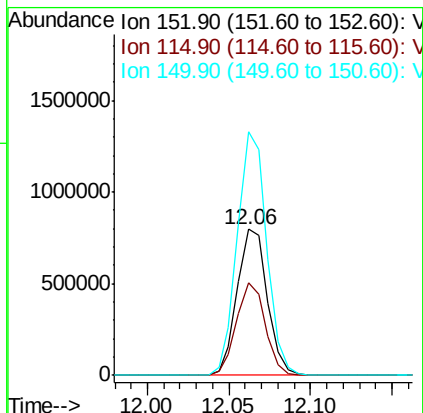
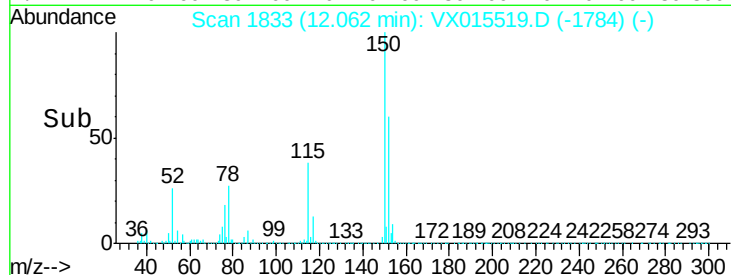
150 162.2 0.0 340.8



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



#74

N-aryl acetate

Concen: 0.531 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

Tgt Ion: 43 Resp: 19907

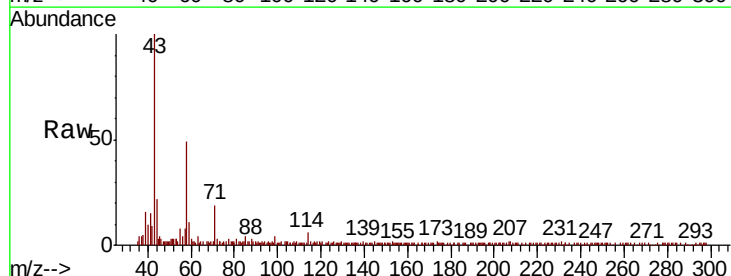
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 7.6 16.8 25.2#

61 0.0 18.2 27.2#

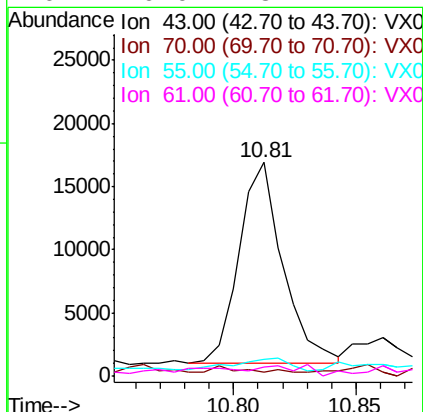
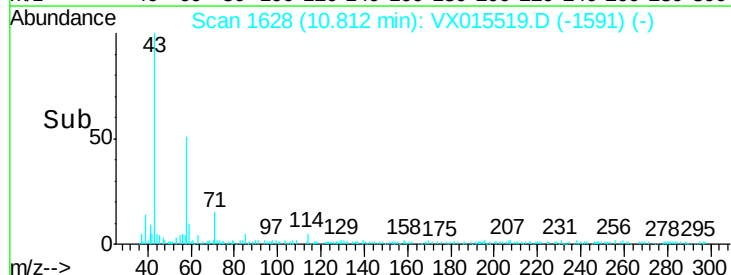


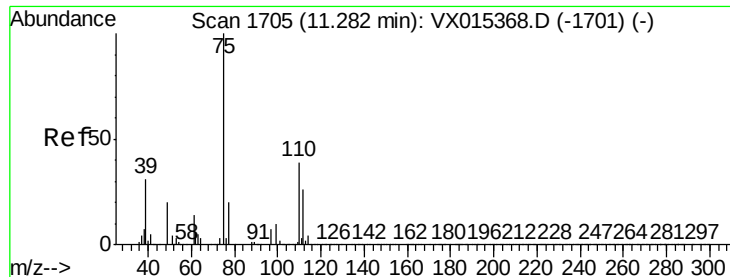
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 25.391 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

Instrument :

MSVOA_X

ClientSampleId :

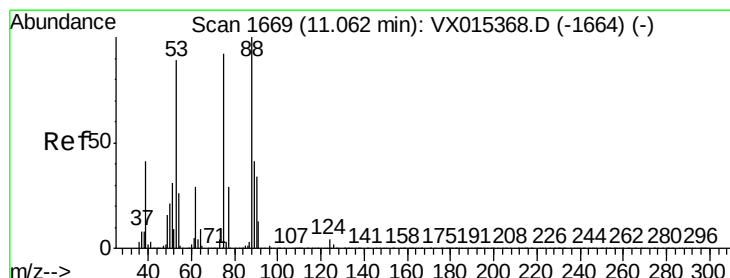
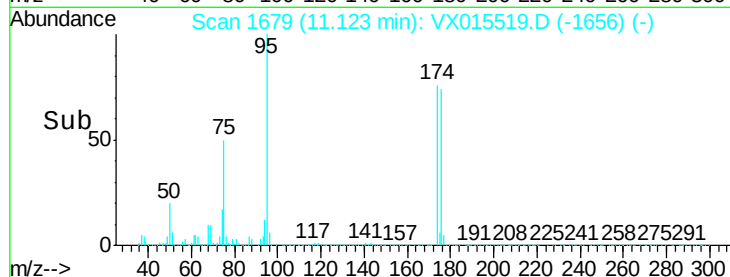
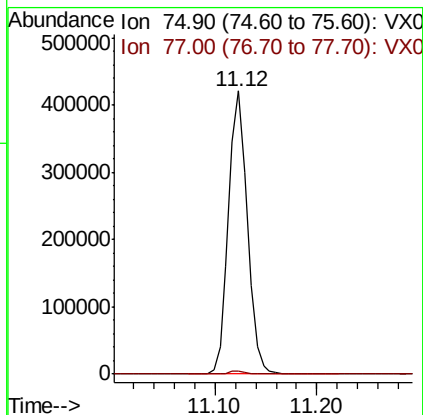
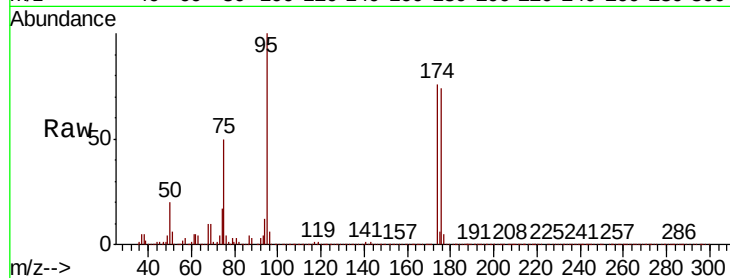
AU-05-040220

Tot Ion: 75 Resp: 537123

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.924 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015519.D

Acq: 06 Apr 2020 17:42

Tgt Ion: 75 Resp: 537123

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 36.1 54.1#

