

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010319\
 Data File : VX006900.D
 Acq On : 03 Jan 2019 17:38
 Operator : JC/MD
 Sample : K1002-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-05-010219-D

Quant Time: Jan 04 00:22:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	641441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	980272	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	926117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	451027	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	336036	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
35) Dibromofluoromethane	5.51	113	297361	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	8.71	98	1186235	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.13	95	422961	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	

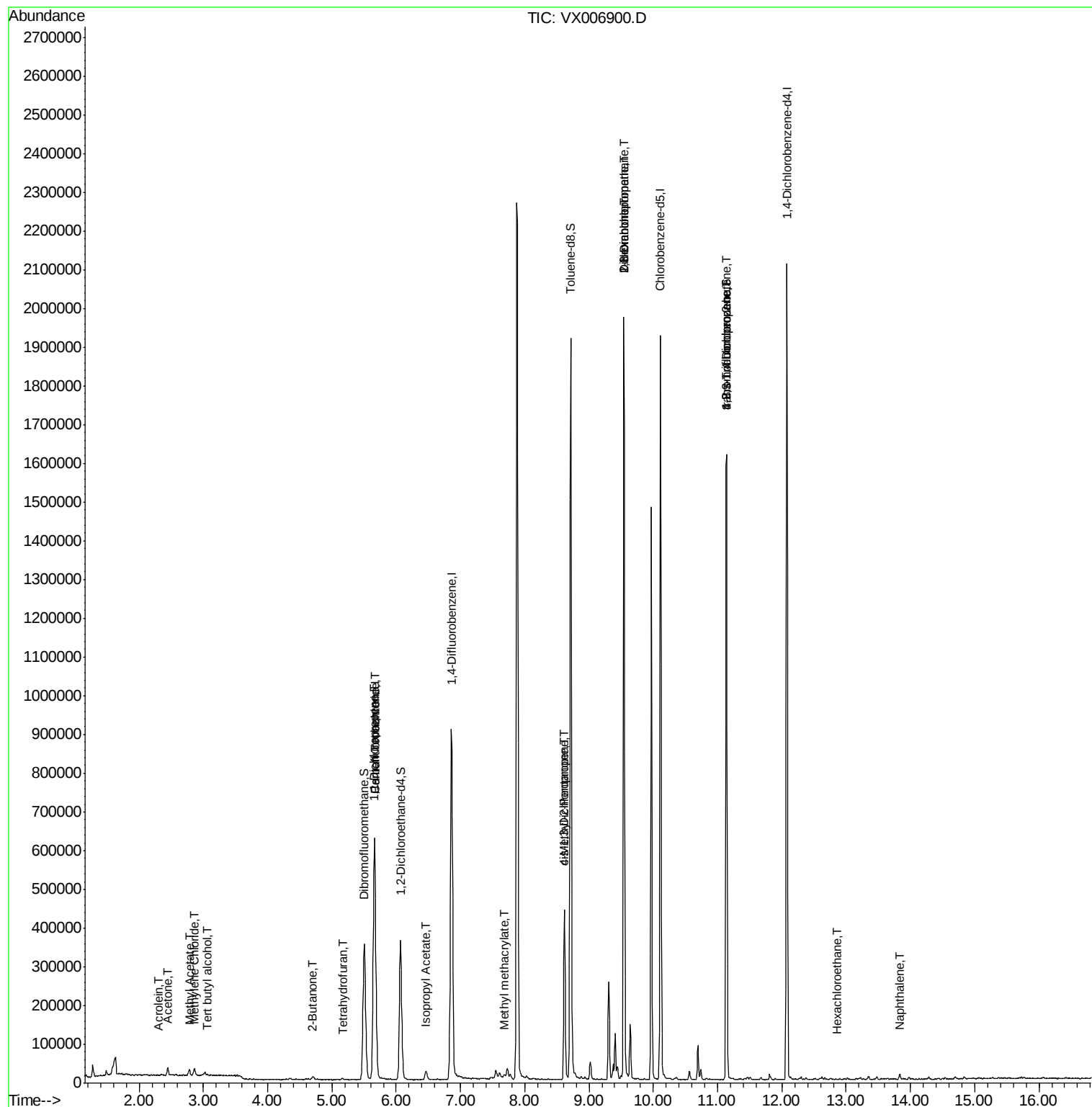
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	958	Below Cal		90
11) Tert butyl alcohol	3.07	59	2218	1.438	ug/l #	29
13) Acrolein	2.30	56	688	0.661	ug/l #	54
16) Acetone	2.45	43	19820	6.240	ug/l	96
18) Methyl Acetate	2.78	43	21052	2.254	ug/l	95
20) Methylene Chloride	2.86	84	8138	1.239	ug/l	94
25) 2-Butanone	4.70	43	13962	3.125	ug/l	95
28) Bromochloromethane	5.04	49	169	Below Cal	#	46
29) Tetrahydrofuran	5.17	42	1466	0.498	ug/l #	66
36) 1,1-Dichloropropene	5.65	75	41348	5.093	ug/l #	49
38) Carbon Tetrachloride	5.66	117	58323	7.392	ug/l #	14
43) Isopropyl Acetate	6.46	43	29504	2.295	ug/l	95
48) Methyl methacrylate	7.68	41	15096	2.309	ug/l #	12
49) 1,4-Dioxane	7.73	88	88	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	138459	16.925	ug/l #	48
54) cis-1,3-Dichloropropene	8.62	75	72816	8.437	ug/l #	63
57) 1,3-Dichloropropane	9.54	76	16809	1.601	ug/l #	45
59) 2-Hexanone	9.54	43	215073	34.360	ug/l #	52
60) Dibromochloromethane	9.54	129	51	2.331	ug/l	86
76) 1,2,3-Trichloropropane	11.13	75	198414	23.672	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	198414	70.174	ug/l #	10
90) Hexachloroethane	12.86	117	50	3.304	ug/l	54
95) Naphthalene	13.83	128	8333	0.252	ug/l	97

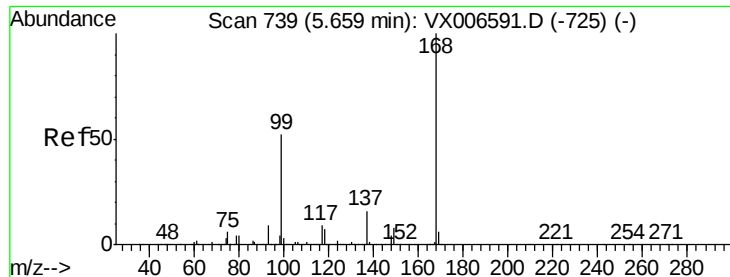
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX010319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

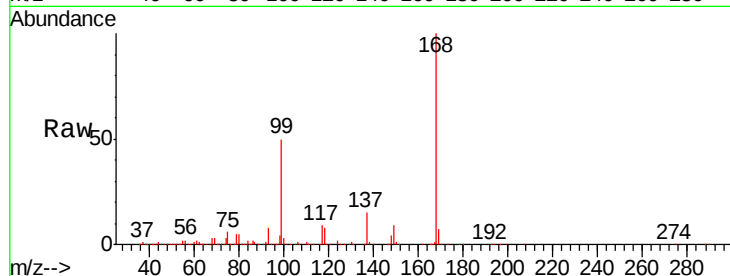
AU-05-010219-D

Tgt Ion:168 Resp: 641441

Ion Ratio Lower Upper

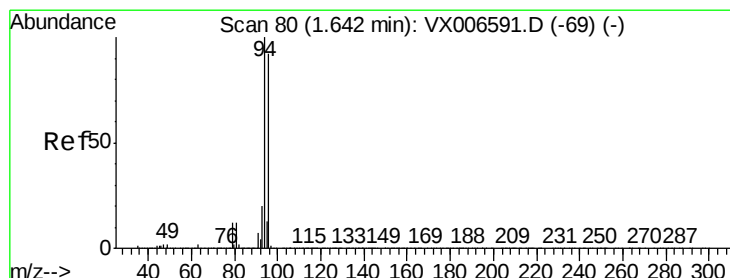
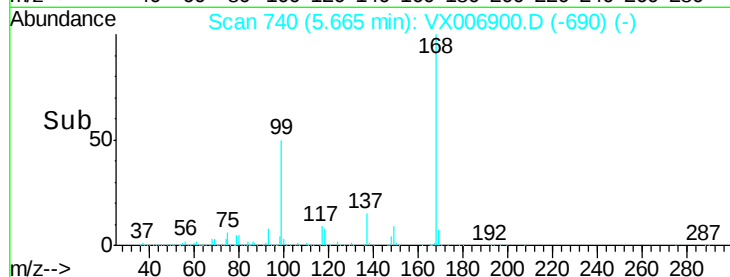
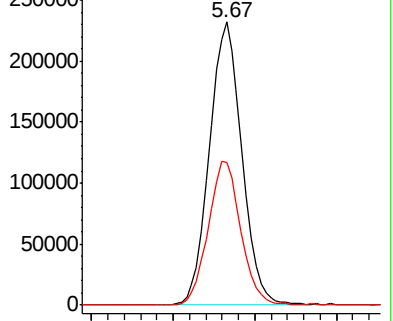
168 100

99 50.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006900.D

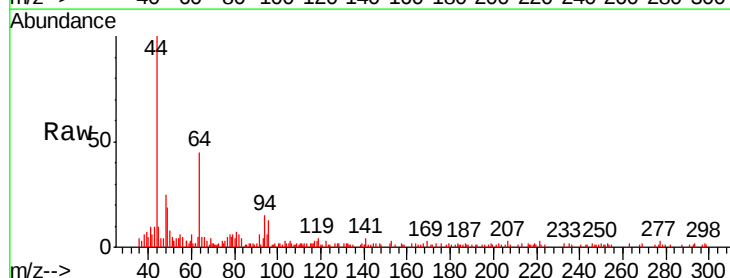
Acq: 03 Jan 2019 17:38

Tgt Ion: 94 Resp: 958

Ion Ratio Lower Upper

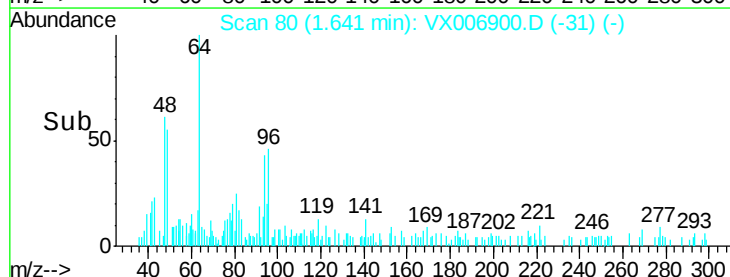
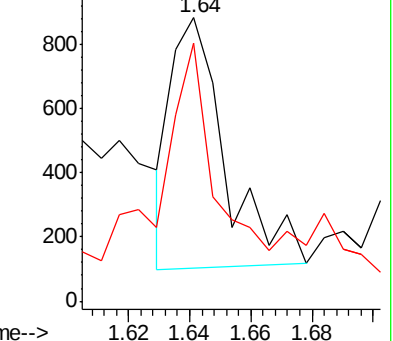
94 100

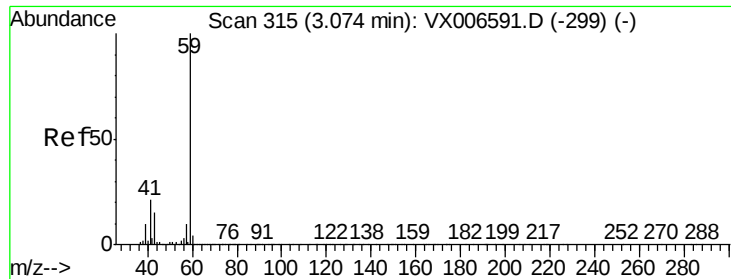
96 82.4 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



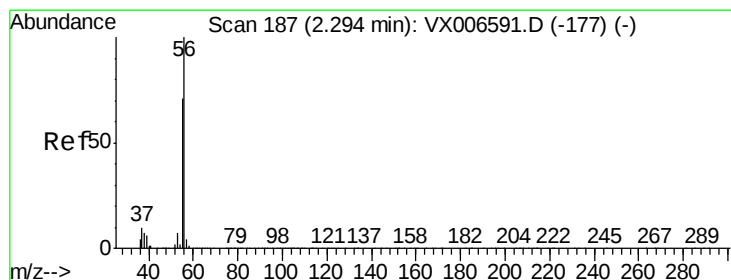
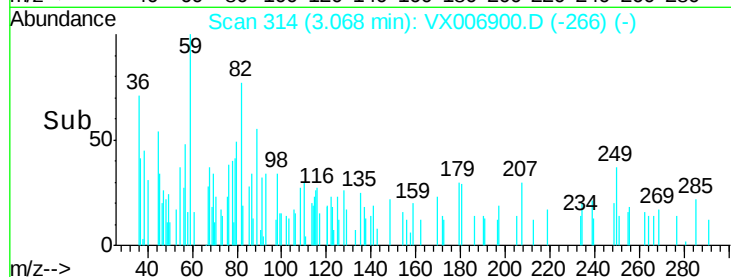
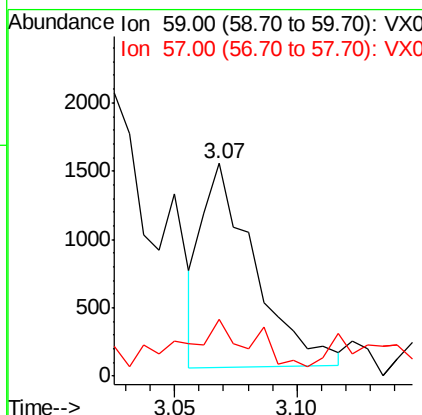
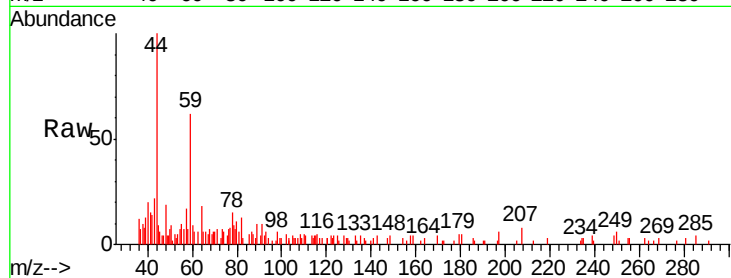


#11

Tert butyl alcohol
Concen: 1.438 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006900.D
Acq: 03 Jan 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
AU-05-010219-D

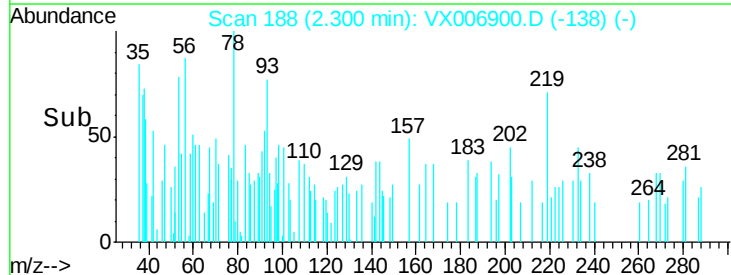
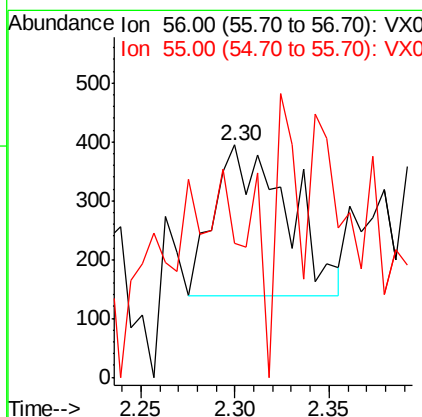
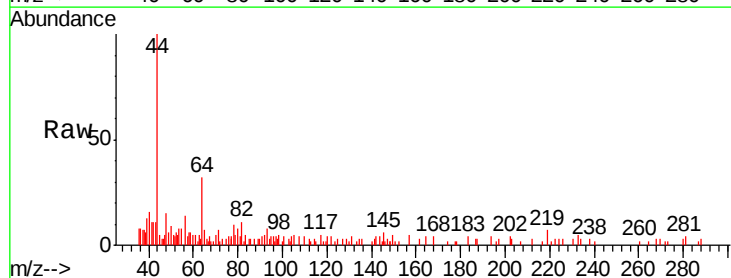
Tgt Ion: 59 Resp: 2218
Ion Ratio Lower Upper
59 100
57 37.1 8.5 12.7#

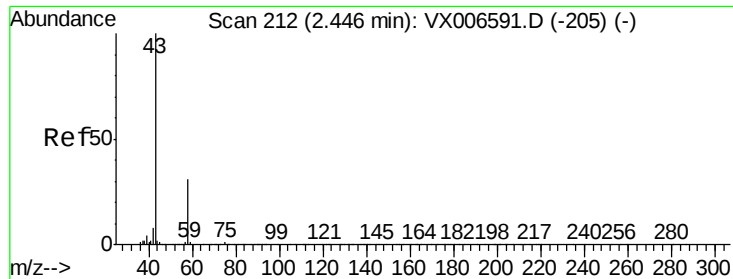


#13

Acrolein
Concen: 0.661 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006900.D
Acq: 03 Jan 2019 17:38

Tgt Ion: 56 Resp: 688
Ion Ratio Lower Upper
56 100
55 34.2 58.2 87.4#





#16

Acetone

Concen: 6.240 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

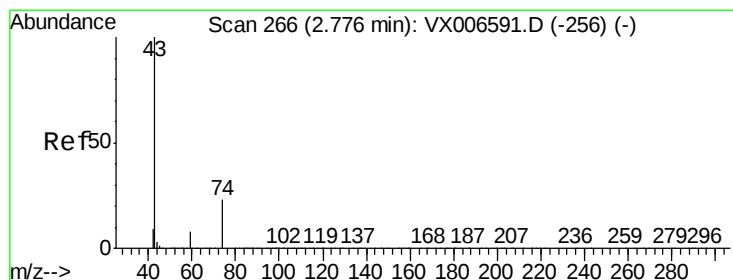
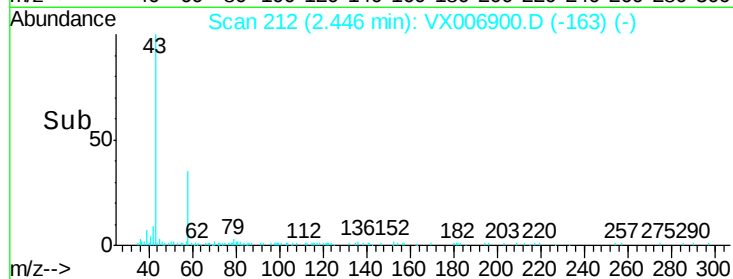
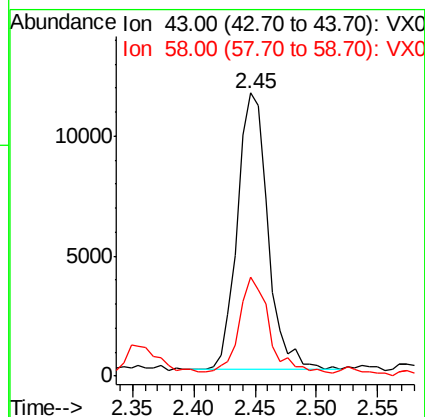
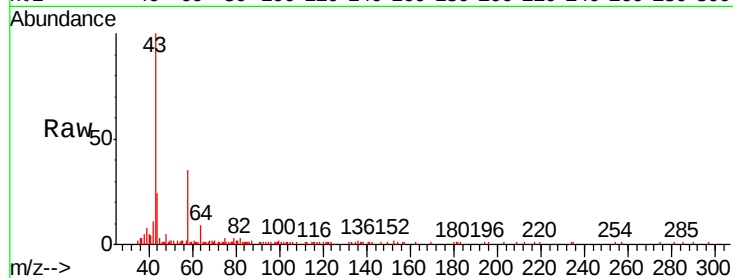
AU-05-010219-D

Tgt Ion: 43 Resp: 19820

Ion Ratio Lower Upper

43 100

58 33.5 25.0 37.6



#18

Methyl Acetate

Concen: 2.254 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006900.D

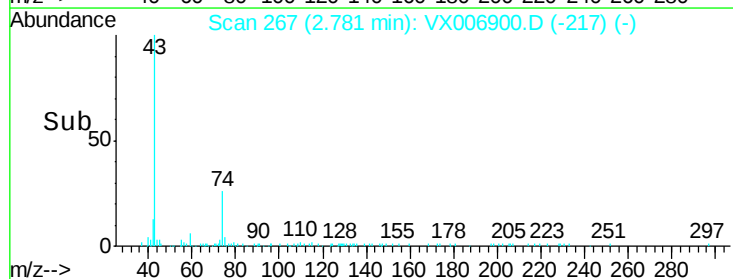
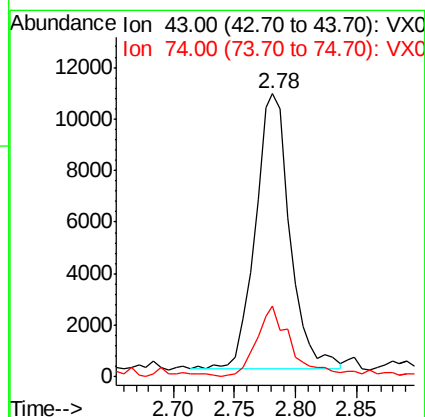
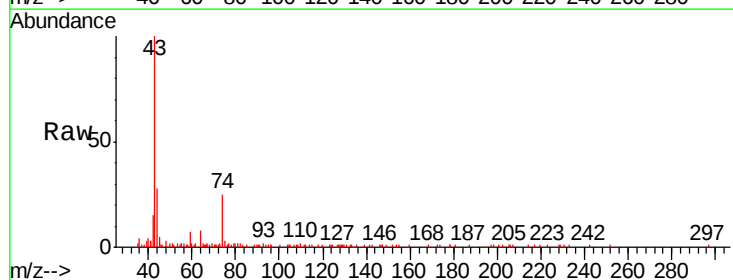
Acq: 03 Jan 2019 17:38

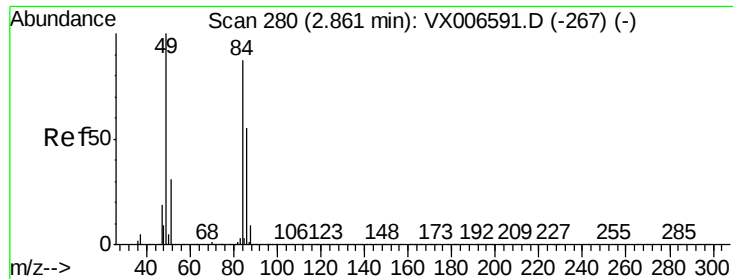
Tgt Ion: 43 Resp: 21052

Ion Ratio Lower Upper

43 100

74 25.5 18.6 28.0

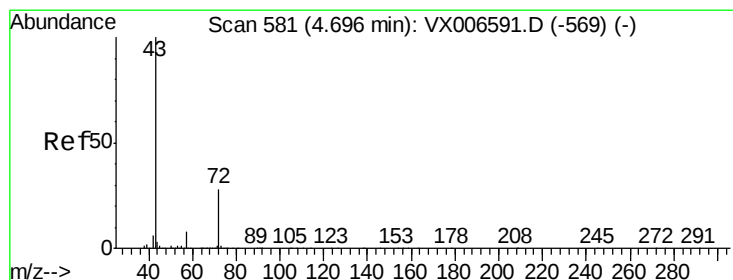
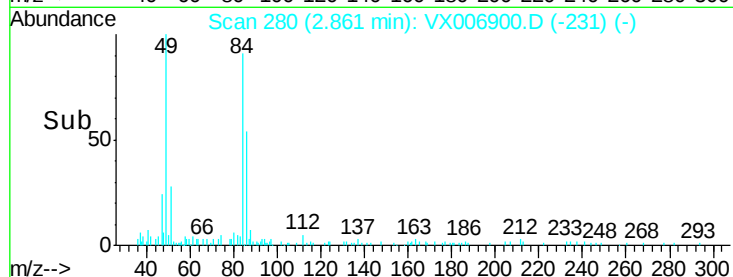
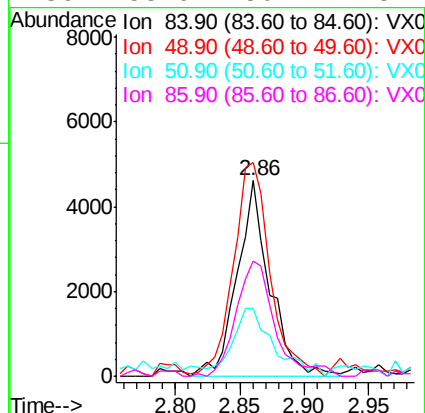
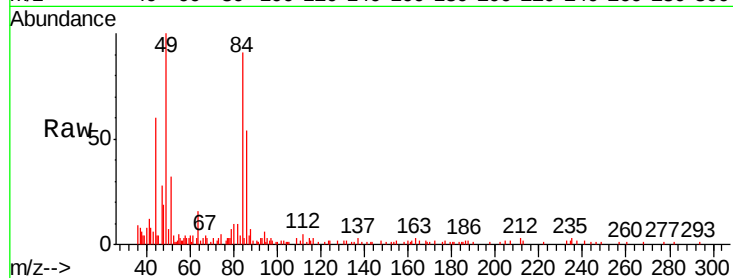




#20
Methylene Chloride
Concen: 1.239 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006900.D
Acq: 03 Jan 2019 17:38

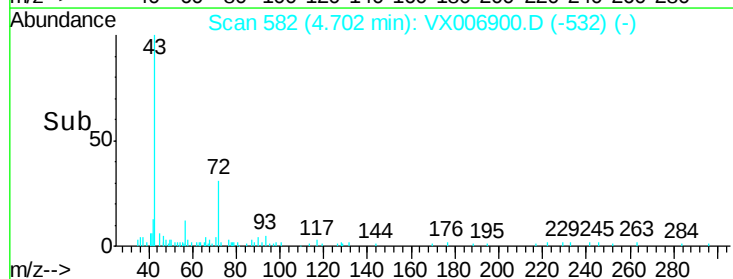
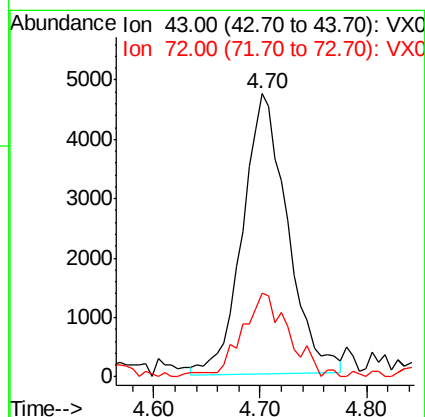
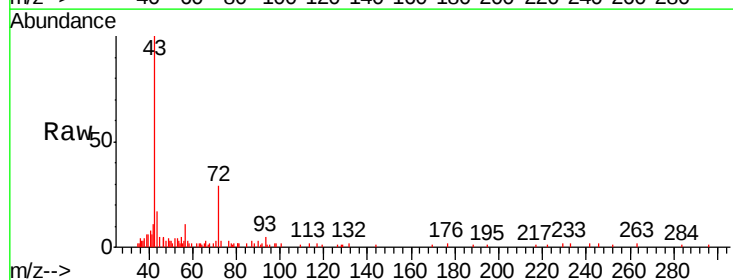
Instrument :
MSVOA_X
ClientSampleId :
AU-05-010219-D

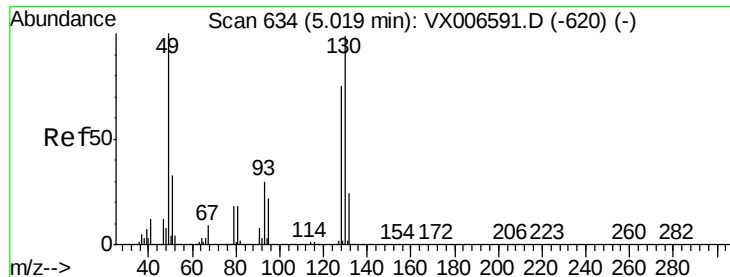
Tgt Ion:	84	Resp:	8138
Ion	Ratio	Lower	Upper
84	100		
49	108.0	91.8	137.6
51	30.0	28.5	42.7
86	58.9	50.2	75.2



#25
2-Butanone
Concen: 3.125 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX006900.D
Acq: 03 Jan 2019 17:38

Tgt Ion:	43	Resp:	13962
Ion	Ratio	Lower	Upper
43	100		
72	30.4	22.4	33.6





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

Instrument :

MSVOA_X

ClientSampled :

AU-05-010219-D

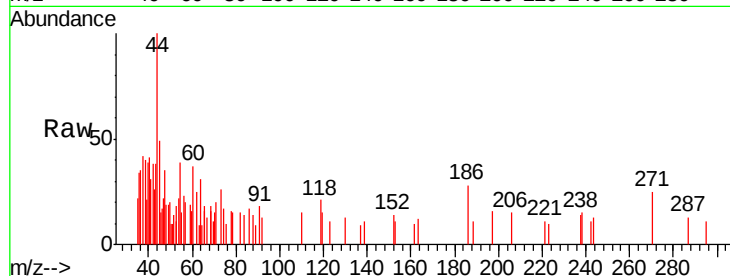
Tgt Ion: 49 Resp: 169

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

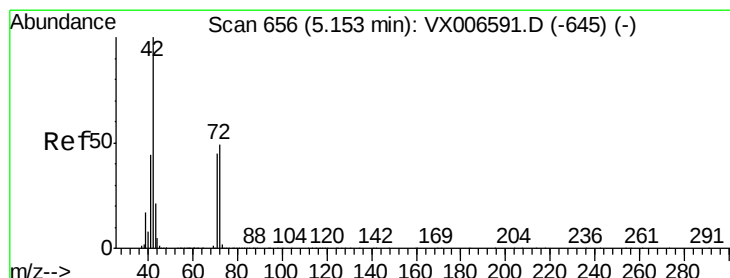
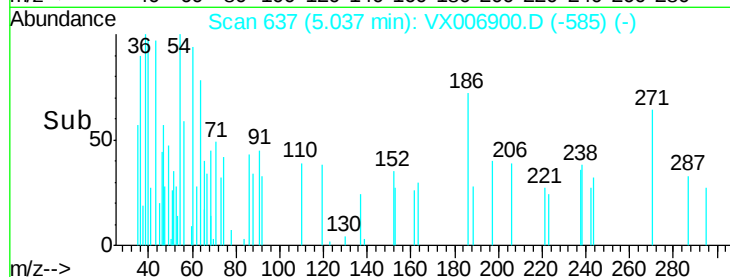
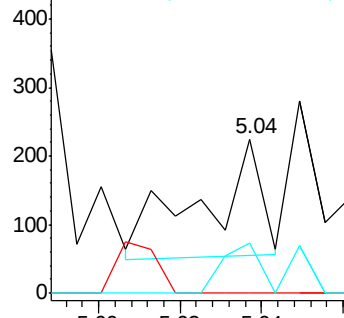
130 43.2 77.7 116.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): VX0

Ion 129.80 (129.50 to 130.50): VX0



#29

Tetrahydrofuran

Concen: 0.498 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

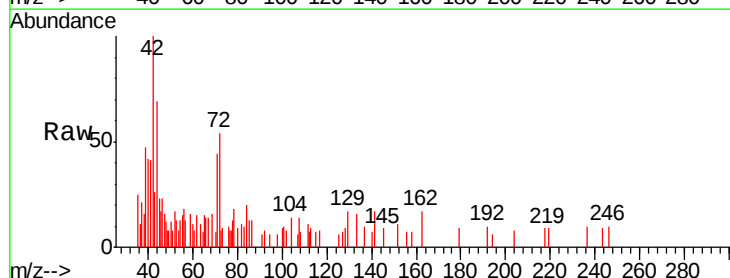
Tgt Ion: 42 Resp: 1466

Ion Ratio Lower Upper

42 100

72 21.8 38.9 58.3#

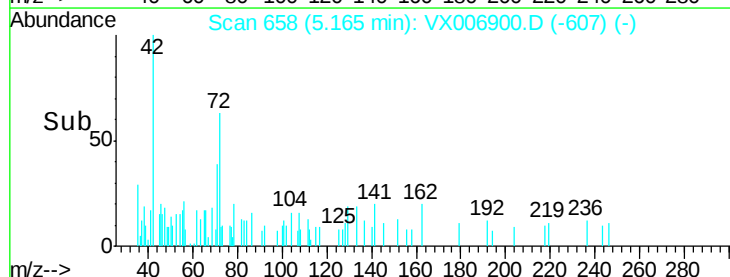
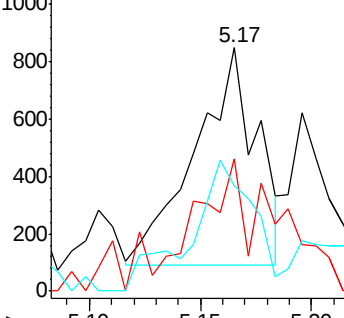
71 63.2 36.2 54.4#

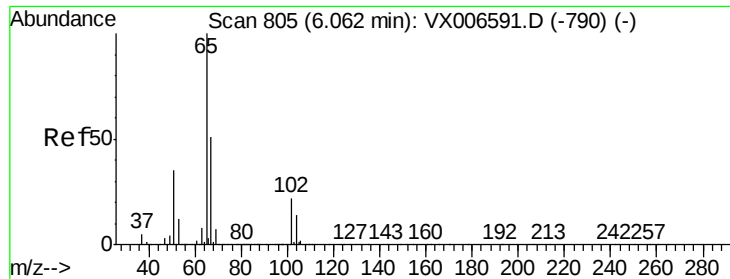


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

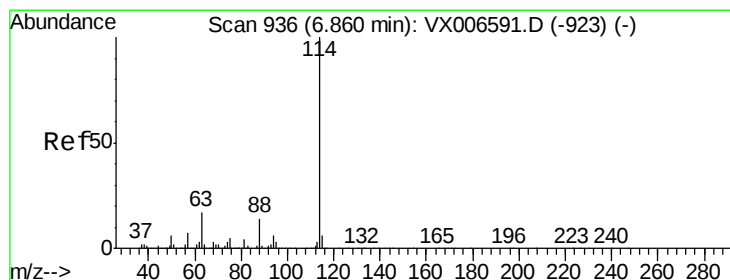
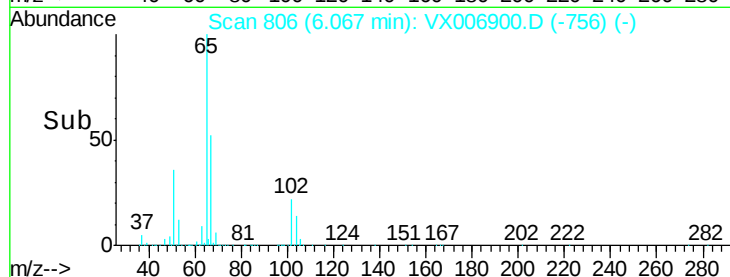
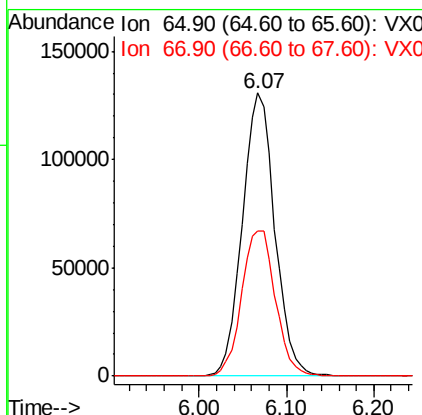
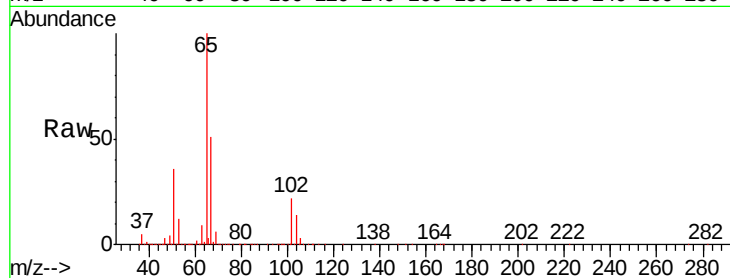




#33
 1,2-Dichloroethane-d4
 Concen: 48.608 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006900.D
 Acq: 03 Jan 2019 17:38

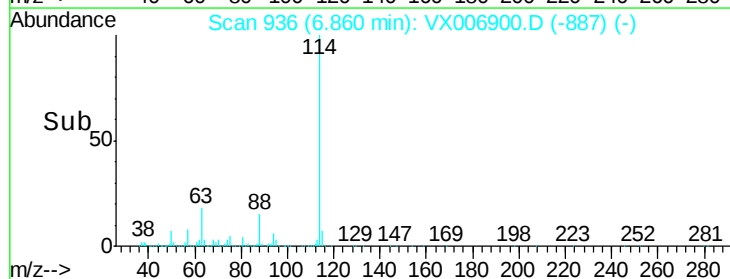
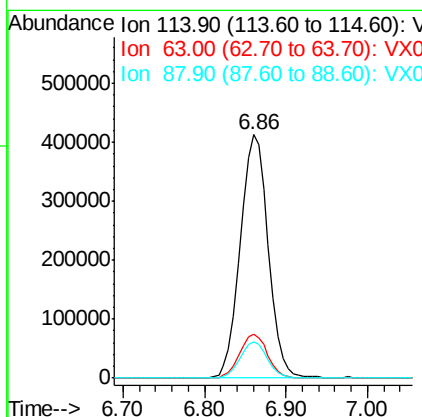
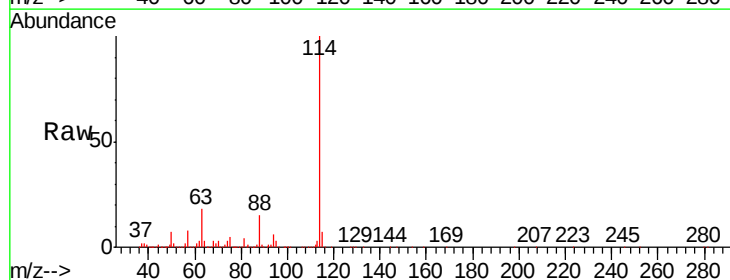
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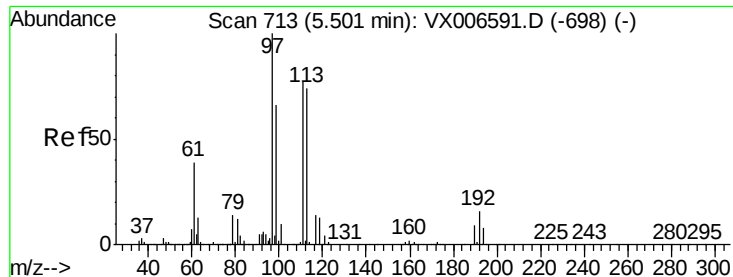
Tgt Ion: 65 Resp: 336036
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006900.D
 Acq: 03 Jan 2019 17:38

Tgt Ion: 114 Resp: 980272
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.8
 88 14.8 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.969 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

AU-05-010219-D

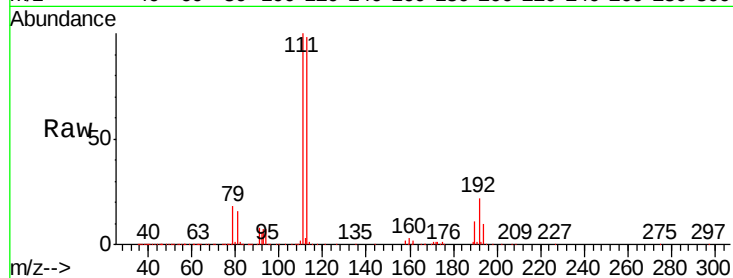
Tgt Ion:113 Resp: 297361

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

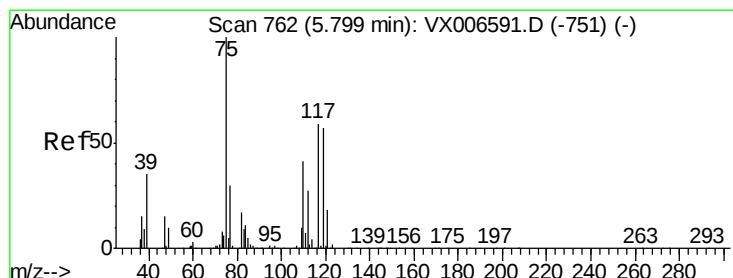
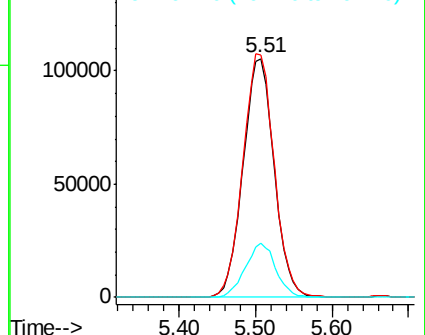
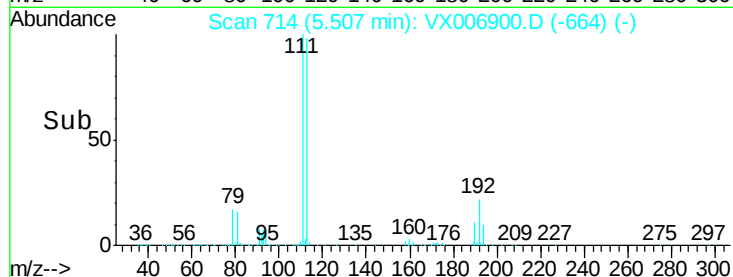
192 22.2 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.093 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

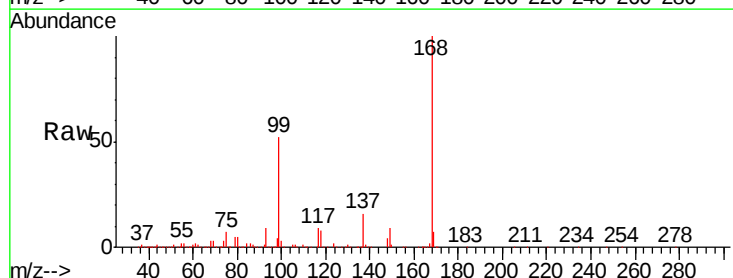
Tgt Ion: 75 Resp: 41348

Ion Ratio Lower Upper

75 100

110 11.2 20.2 60.5#

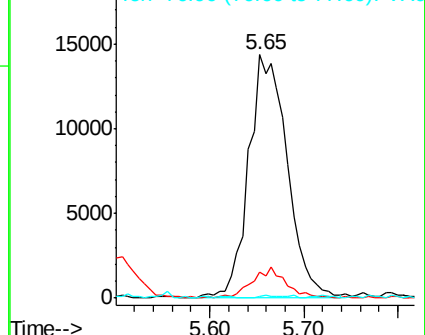
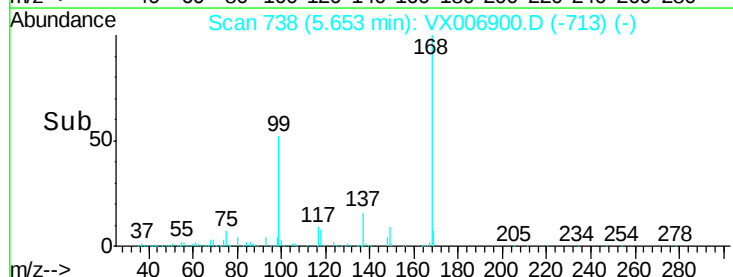
77 0.4 24.8 37.2#

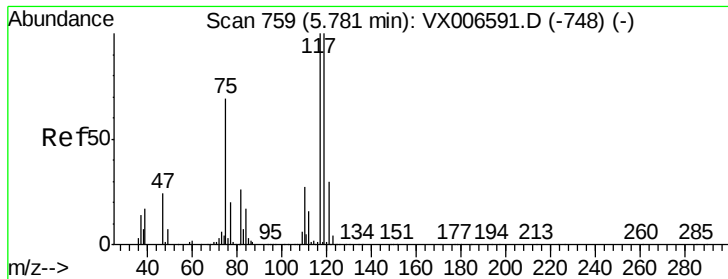


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.392 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

AU-05-010219-D

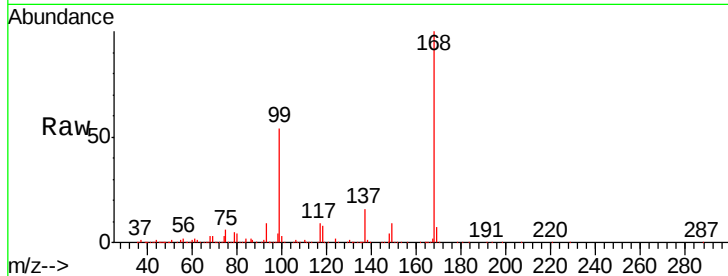
Tgt Ion:117 Resp: 58323

Ion Ratio Lower Upper

117 100

119 5.0 79.4 119.2#

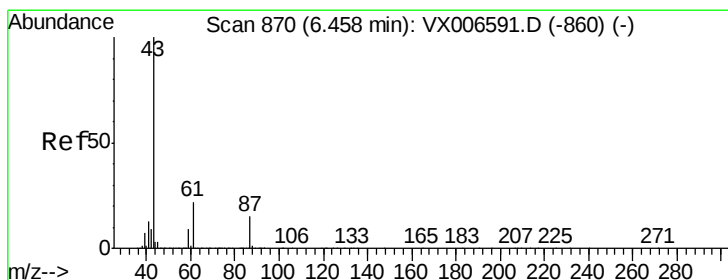
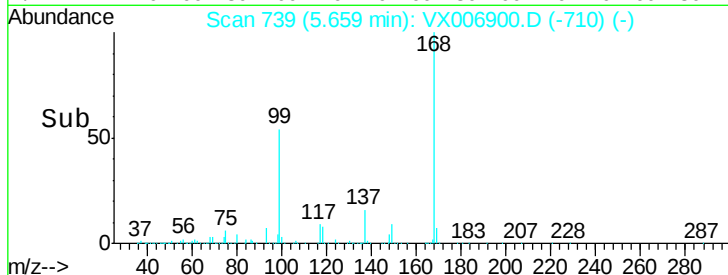
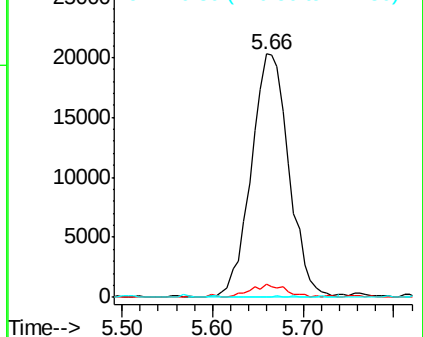
121 0.0 24.0 36.0#



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: 2.295 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

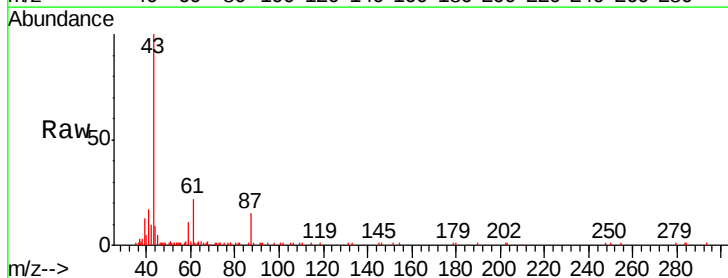
Tgt Ion: 43 Resp: 29504

Ion Ratio Lower Upper

43 100

61 23.4 16.8 25.2

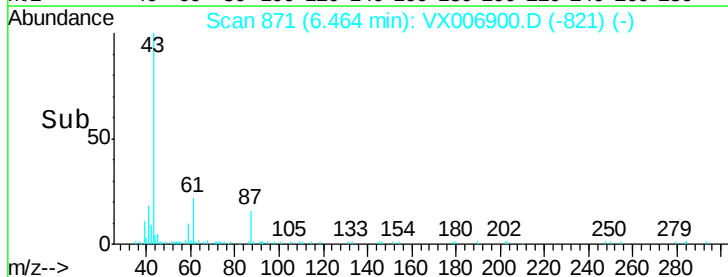
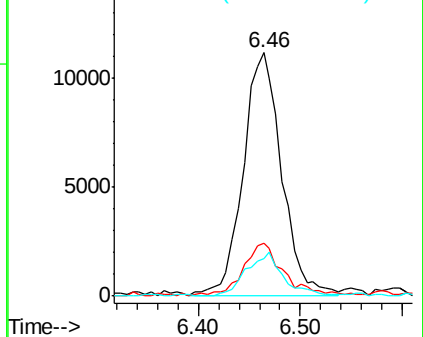
87 17.2 12.4 18.6

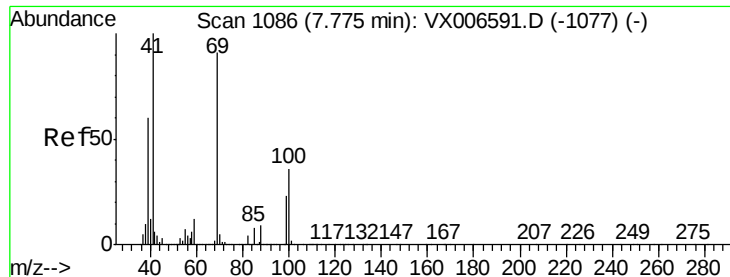


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 2.309 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

AU-05-010219-D

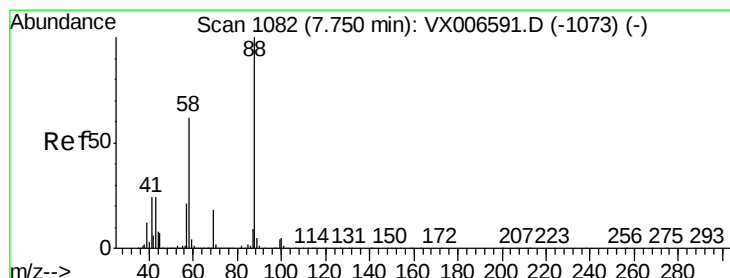
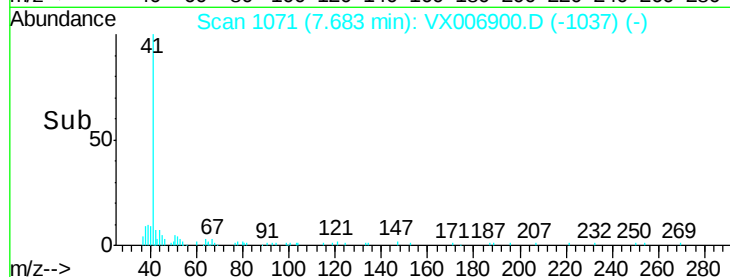
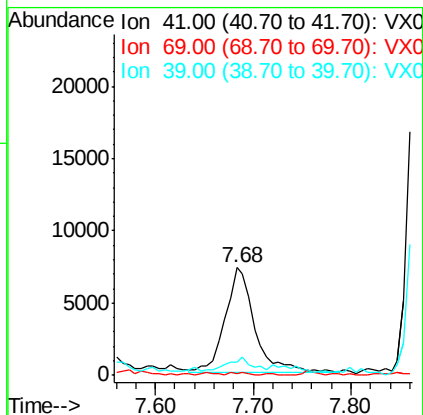
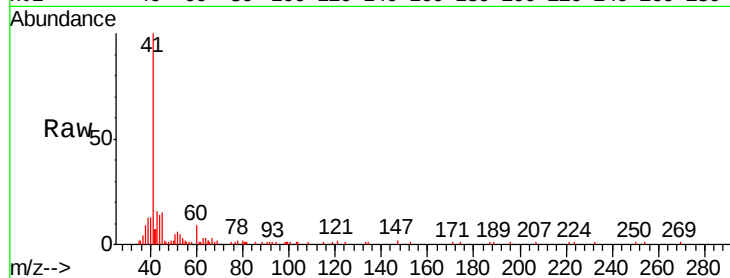
Tgt Ion: 41 Resp: 15096

Ion Ratio Lower Upper

41 100

69 0.9 72.4 108.6#

39 0.0 45.8 68.8#



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

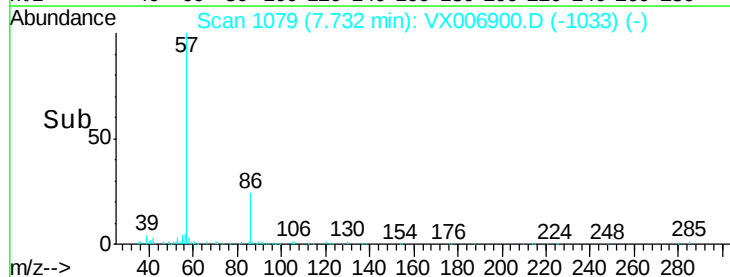
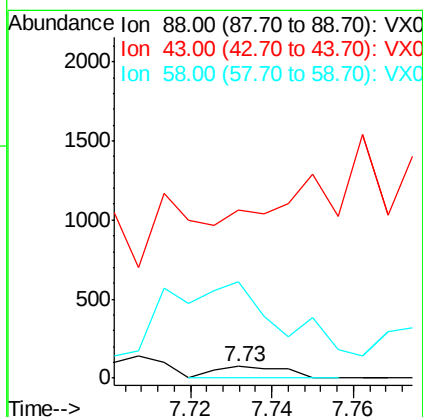
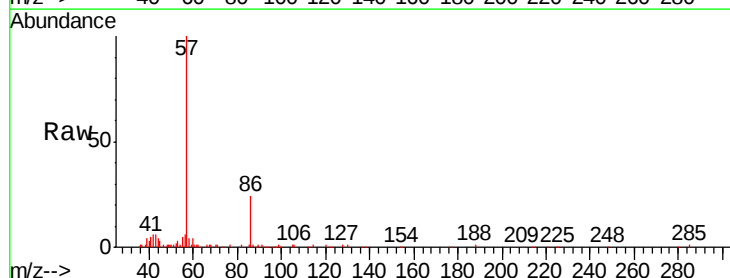
Tgt Ion: 88 Resp: 88

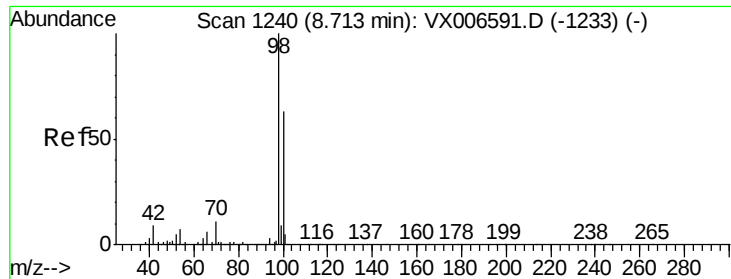
Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

58 1365.9 51.0 76.4#





#50

Toluene-d8

Concen: 50.757 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

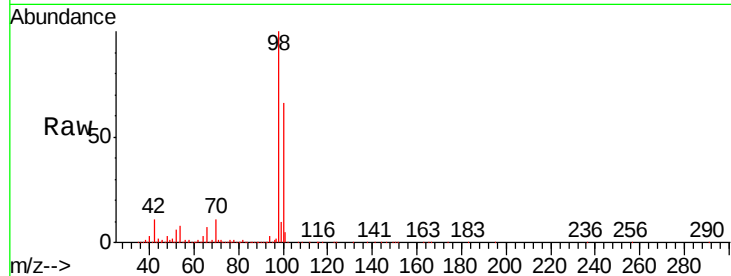
AU-05-010219-D

Tgt Ion: 98 Resp: 1186235

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

800000

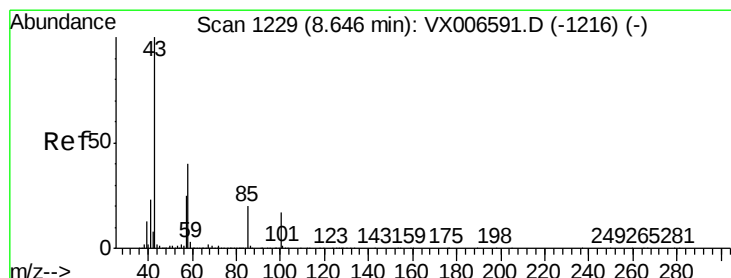
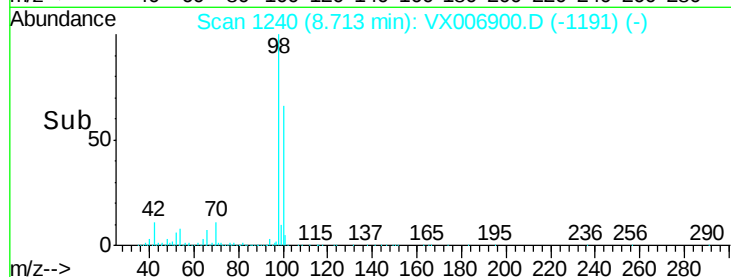
600000

400000

200000

0

Time--> 8.60 8.70 8.80



#51

4-Methyl-2-Pentanone

Concen: 16.925 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX006900.D

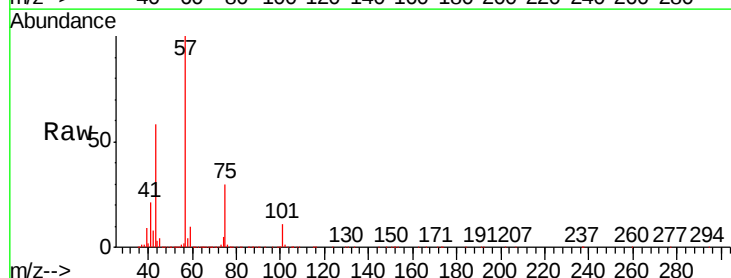
Acq: 03 Jan 2019 17:38

Tgt Ion: 43 Resp: 138459

Ion Ratio Lower Upper

43 100

58 7.5 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

100000

80000

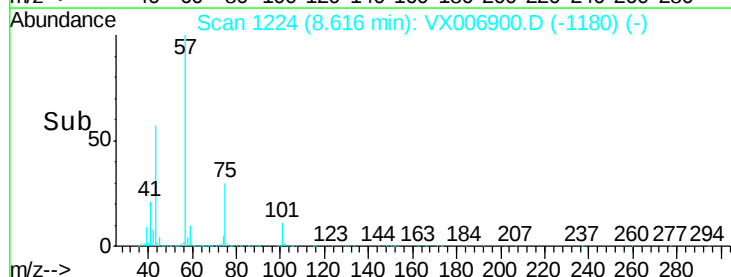
60000

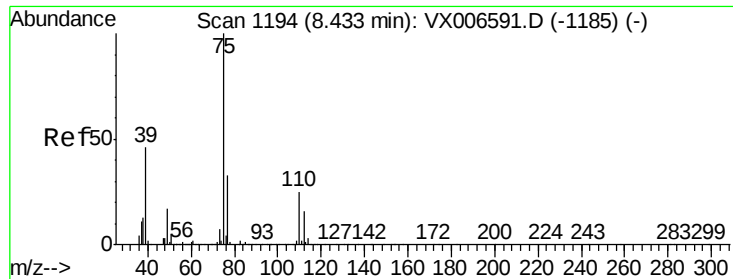
40000

20000

0

Time--> 8.55 8.60 8.65 8.70





#54

cis-1,3-Dichloropropene

Concen: 8.437 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

AU-05-010219-D

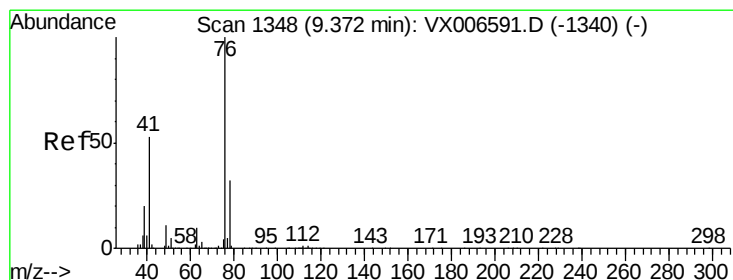
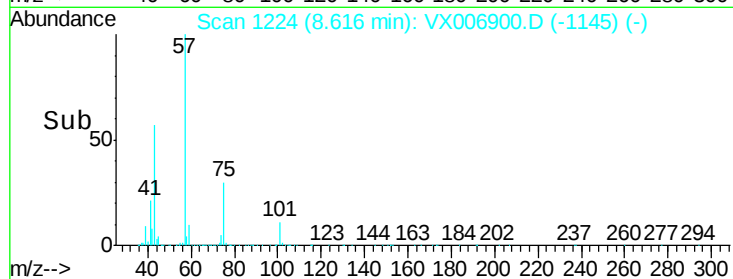
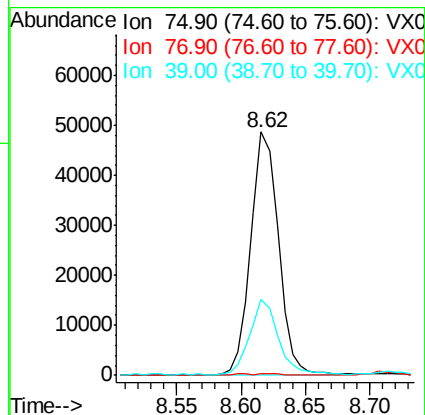
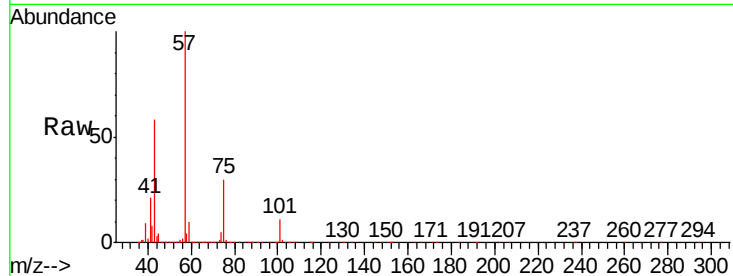
Tgt Ion: 75 Resp: 72816

Ion Ratio Lower Upper

75 100

77 0.7 26.2 39.2#

39 30.5 36.7 55.1#



#57

1,3-Dichloropropene

Concen: 1.601 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006900.D

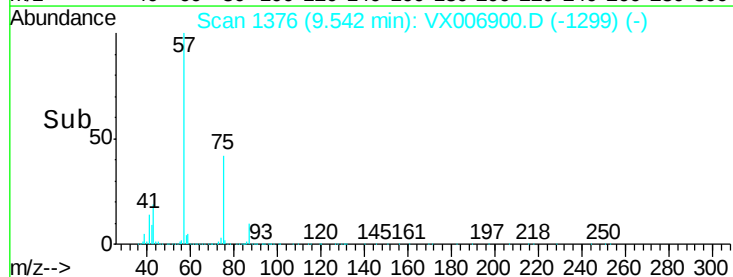
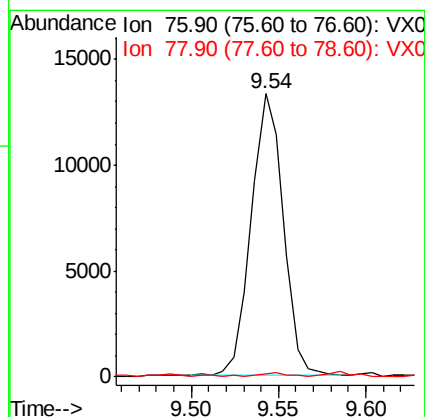
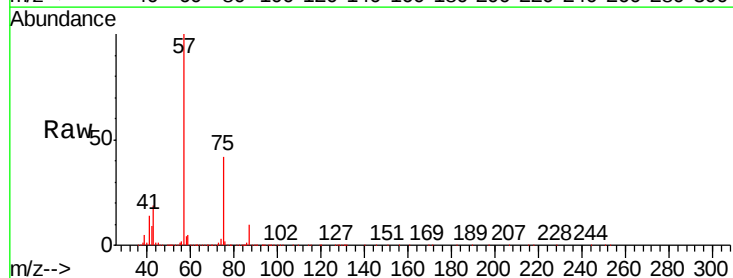
Acq: 03 Jan 2019 17:38

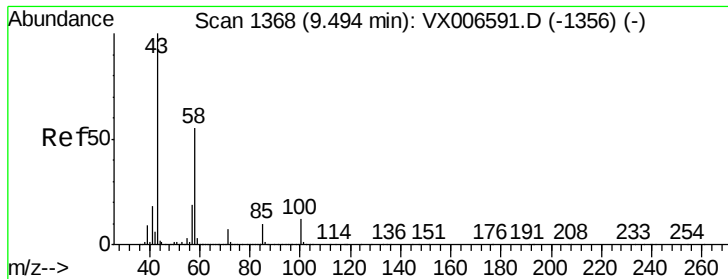
Tgt Ion: 76 Resp: 16809

Ion Ratio Lower Upper

76 100

78 1.6 26.0 39.0#

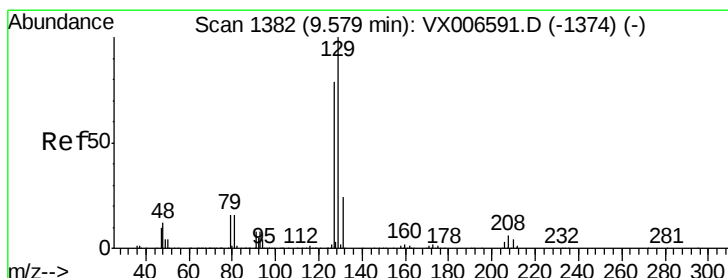
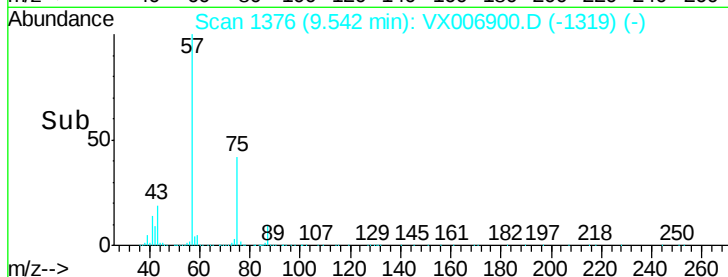
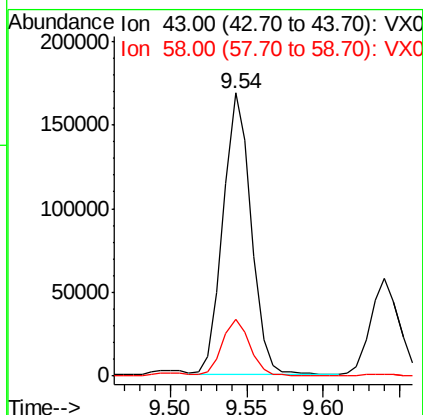
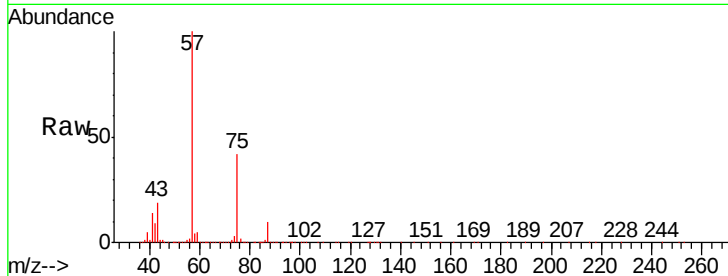




#59
2-Hexanone
Concen: 34.360 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX006900.D
Acq: 03 Jan 2019 17:38

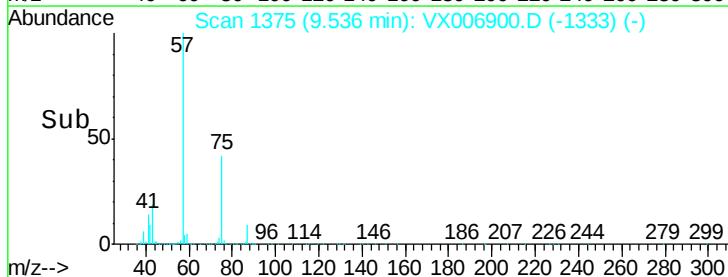
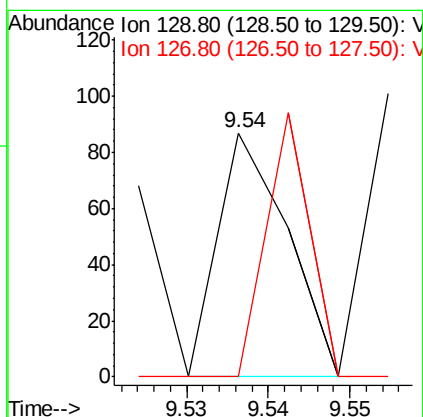
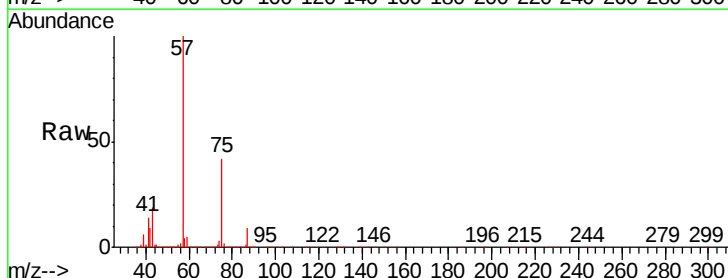
Instrument :
MSVOA_X
ClientSampleId :
AU-05-010219-D

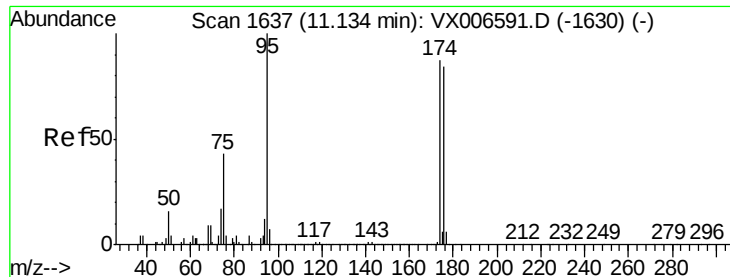
Tgt Ion: 43 Resp: 215073
Ion Ratio Lower Upper
43 100
58 20.3 27.7 83.1#



#60
Dibromochloromethane
Concen: 2.331 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. -0.04 min
Lab File: VX006900.D
Acq: 03 Jan 2019 17:38

Tgt Ion: 129 Resp: 51
Ion Ratio Lower Upper
129 100
127 66.7 39.3 117.8





#62

4-Bromofluorobenzene

Concen: 49.415 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

AU-05-010219-D

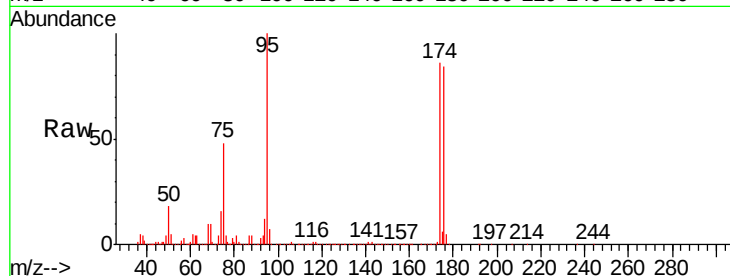
Tgt Ion: 95 Resp: 422961

Ion Ratio Lower Upper

95 100

174 92.6 0.0 182.2

176 90.2 0.0 178.8

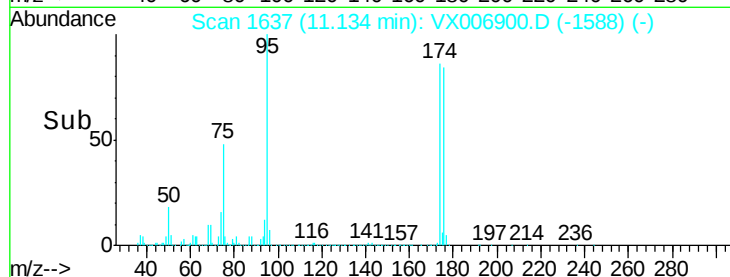


Abundance Ion 94.90 (94.60 to 95.60): VX0

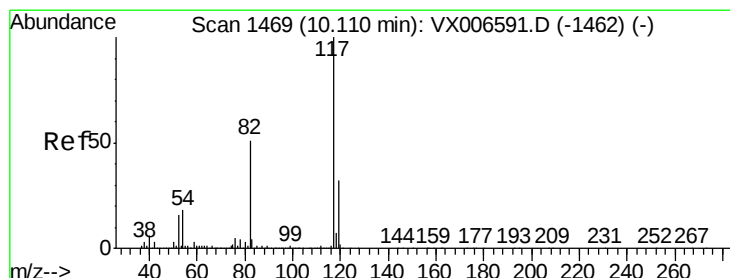
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX006900.D

Acq: 03 Jan 2019 17:38

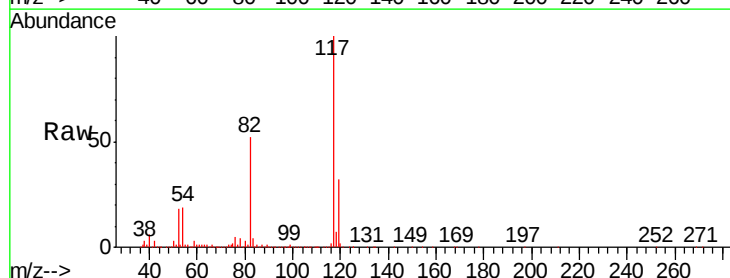
Tgt Ion: 117 Resp: 926117

Ion Ratio Lower Upper

117 100

82 52.0 41.0 61.6

119 32.1 25.4 38.0

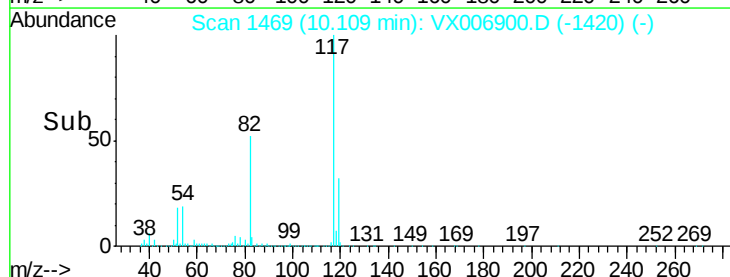


Abundance Ion 116.90 (116.60 to 117.60): V

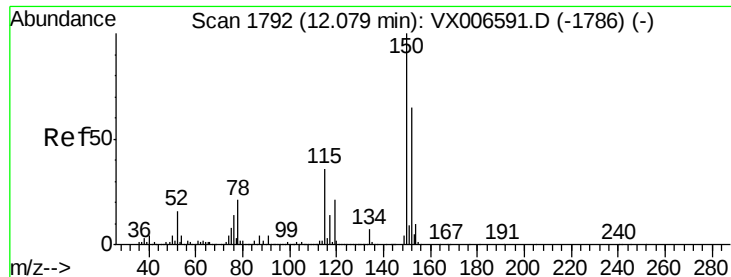
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

Time-->



Time-->

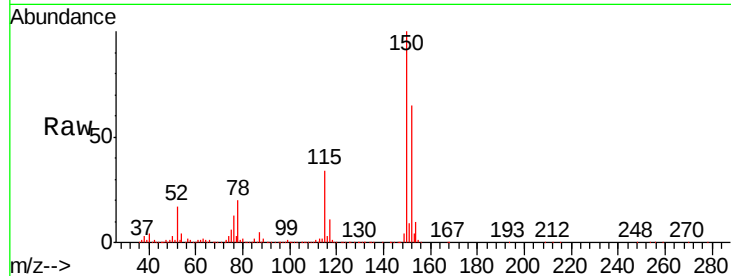


#72

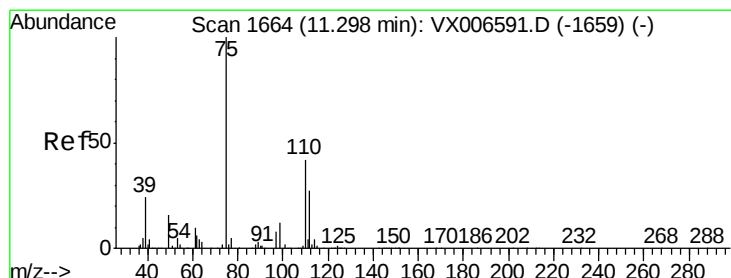
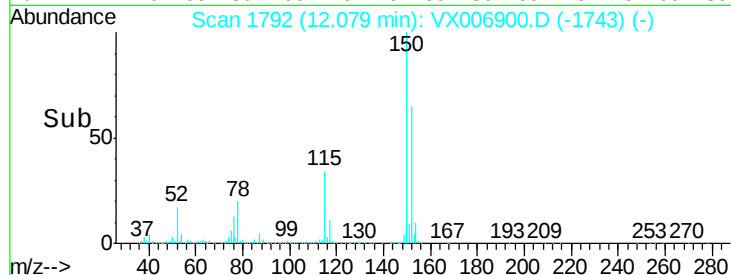
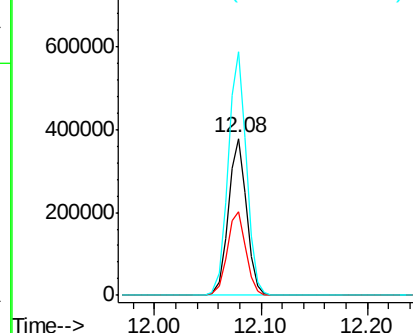
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006900.D
Acq: 03 Jan 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
AU-05-010219-D

Tgt Ion:152 Resp: 451027
Ion Ratio Lower Upper
152 100
115 54.7 39.1 117.2
150 156.0 0.0 344.8



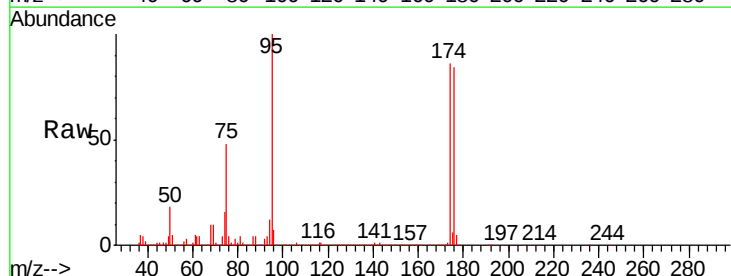
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



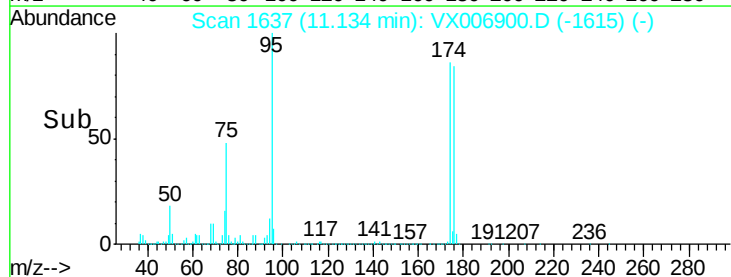
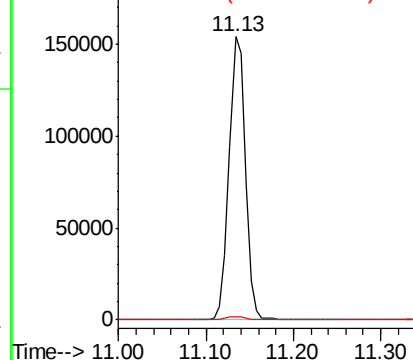
#76

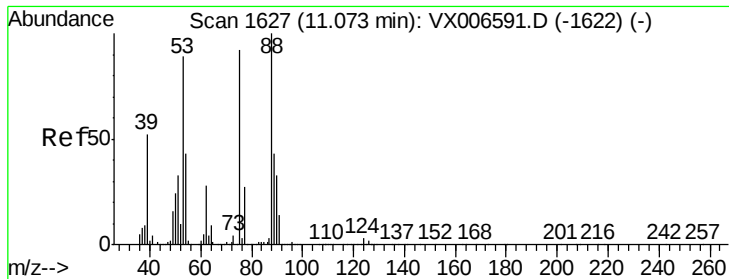
1,2,3-Trichloropropane
Concen: 23.672 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006900.D
Acq: 03 Jan 2019 17:38

Tgt Ion: 75 Resp: 198414
Ion Ratio Lower Upper
75 100
77 1.4 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

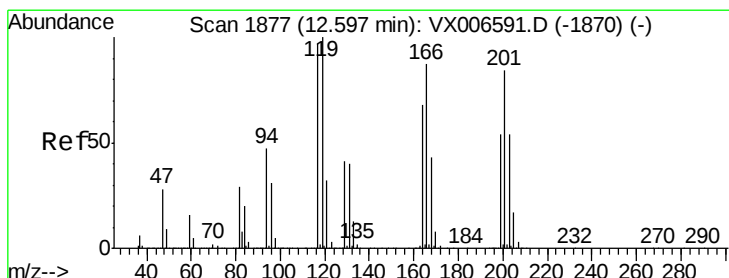
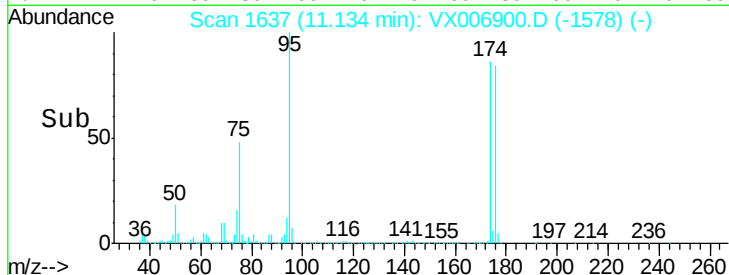
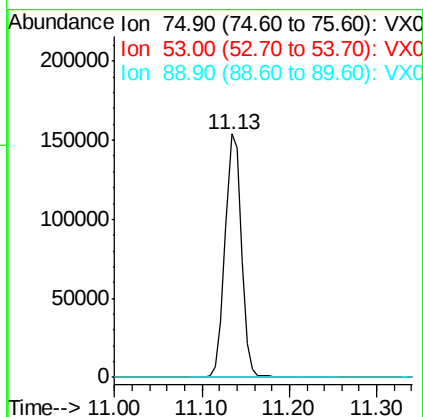
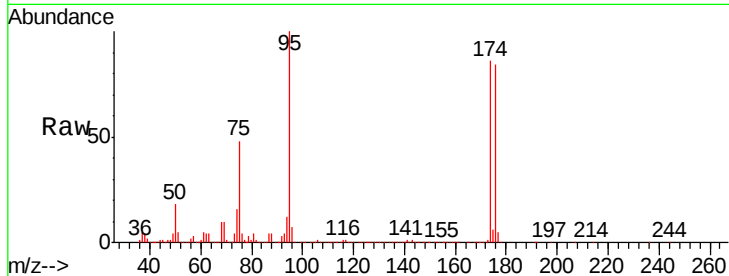




#81
trans-1,4-Dichloro-2-butene
Concen: 70.174 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006900.D
Acq: 03 Jan 2019 17:38

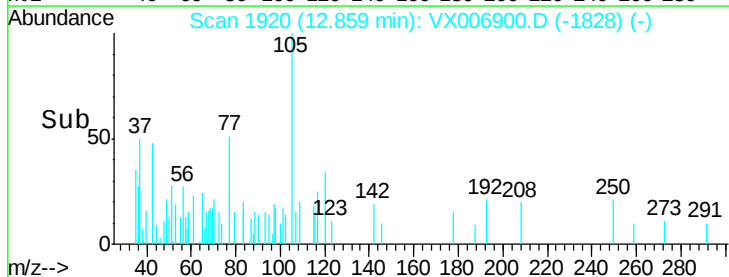
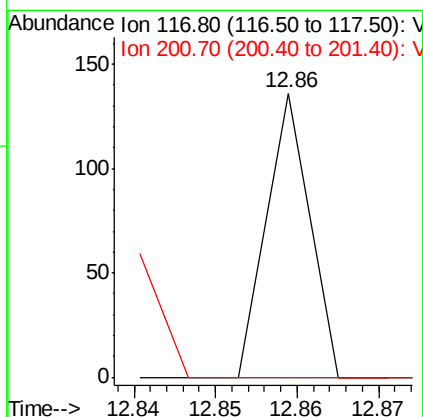
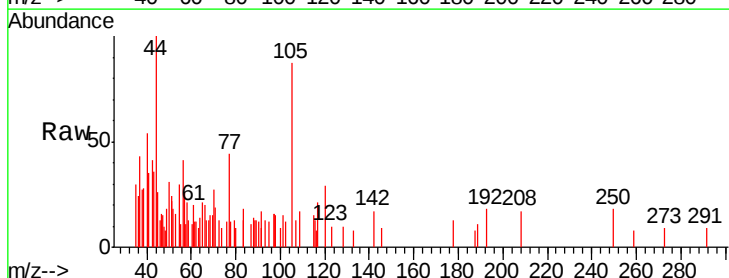
Instrument :
MSVOA_X
ClientSampleId :
AU-05-010219-D

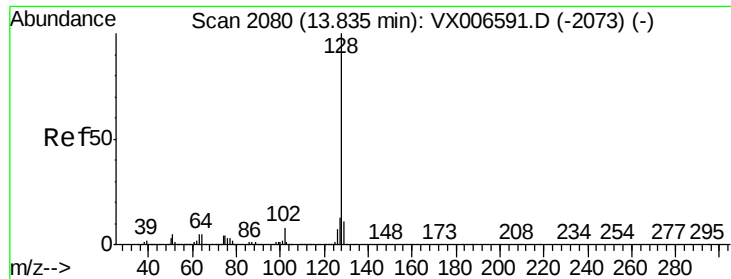
Tgt Ion: 75 Resp: 198414
Ion Ratio Lower Upper
75 100
53 0.1 79.7 119.5#
89 0.1 38.0 57.0#



#90
Hexachloroethane
Concen: 3.304 ug/l
RT: 12.86 min Scan# 1920
Delta R.T. 0.26 min
Lab File: VX006900.D
Acq: 03 Jan 2019 17:38

Tgt Ion: 117 Resp: 50
Ion Ratio Lower Upper
117 100
201 44.0 42.9 128.7





#95
Naphthalene
Concen: 0.252 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006900.D
Acq: 03 Jan 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
AU-05-010219-D

Tgt Ion:128 Resp: 8333
Ion Ratio Lower Upper
128 100
127 13.7 10.1 15.1
129 11.7 8.6 13.0

