

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091820\
 Data File : VX018493.D
 Acq On : 18 Sep 2020 15:32
 Operator : JC/SP
 Sample : L3939-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B44-090820-GW

Quant Time: Sep 19 01:56:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	526429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	843659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	804438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	427726	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	364705	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
35) Dibromofluoromethane	5.47	113	283181	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	8.70	98	1018042	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.12	95	413927	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	

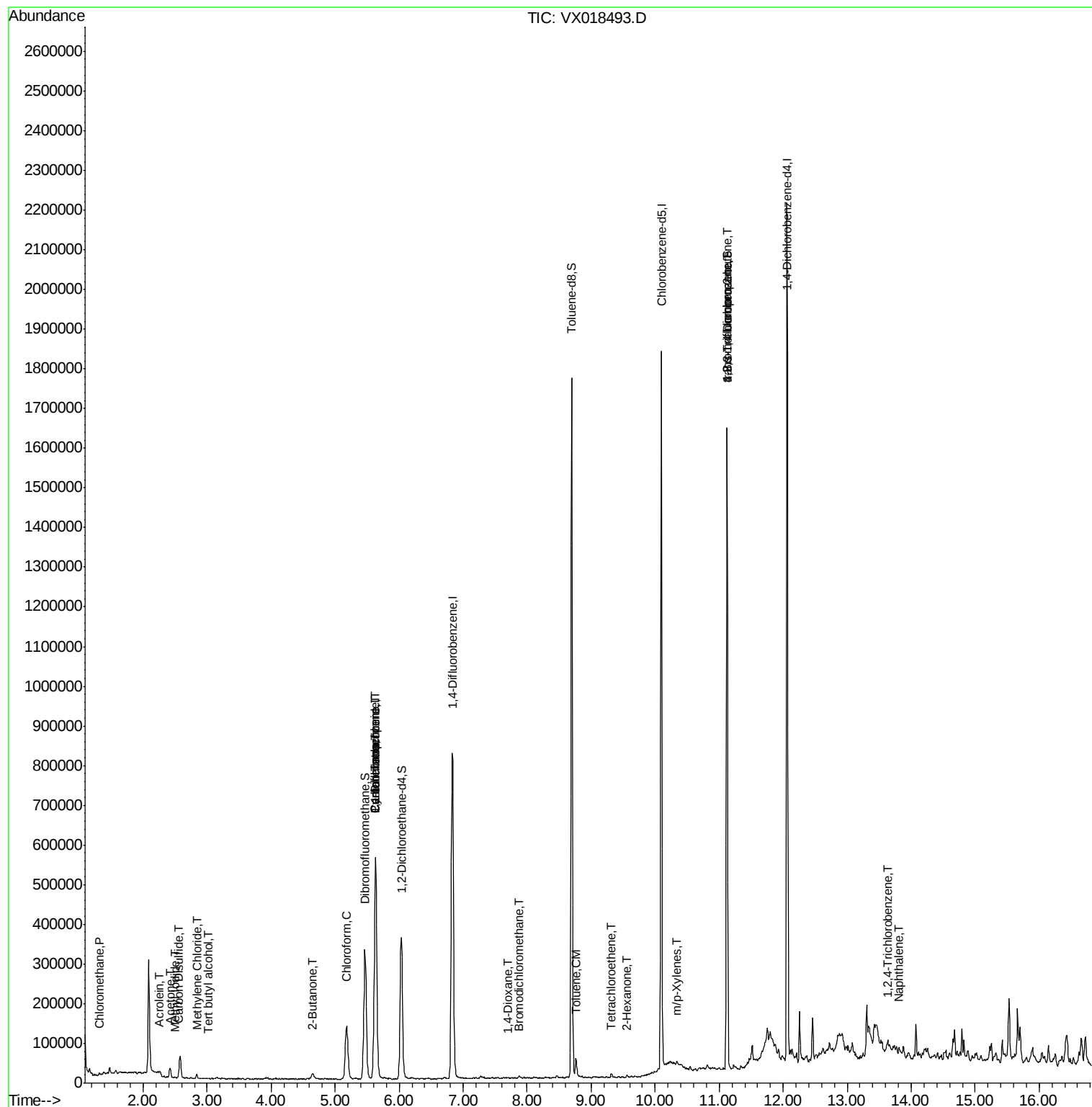
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3417	0.585	ug/l #	84
10) Methyl Iodide	2.50	142	1532	5.135	ug/l #	90
11) Tert butyl alcohol	3.01	59	1641	1.266	ug/l #	83
13) Acrolein	2.26	56	189	0.230	ug/l #	13
16) Acetone	2.42	43	28178	9.894	ug/l	93
17) Carbon Disulfide	2.56	76	7474	0.491	ug/l #	93
20) Methylene Chloride	2.84	84	4781	0.761	ug/l	91
25) 2-Butanone	4.65	43	6909	1.558	ug/l	96
30) Chloroform	5.18	83	165721	15.251	ug/l	100
31) Cyclohexane	5.63	56	13288	1.474	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	40368	4.930	ug/l #	52
38) Carbon Tetrachloride	5.63	117	55035	6.069	ug/l #	18
47) Bromodichloromethane	7.88	83	2728	0.306	ug/l #	69
49) 1,4-Dioxane	7.69	88	259	2.219	ug/l #	9
52) Toluene	8.76	92	13728	0.930	ug/l	92
59) 2-Hexanone	9.56	43	1943	0.296	ug/l	63
64) Tetrachloroethene	9.31	164	2301	0.363	ug/l #	68
68) m/p-Xylenes	10.35	106	2289	0.211	ug/l #	71
76) 1,2,3-Trichloropropane	11.12	75	209943	23.357	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	209943	59.852	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.62	180	2073	0.224	ug/l #	62
95) Naphthalene	13.81	128	11180	0.401	ug/l #	95

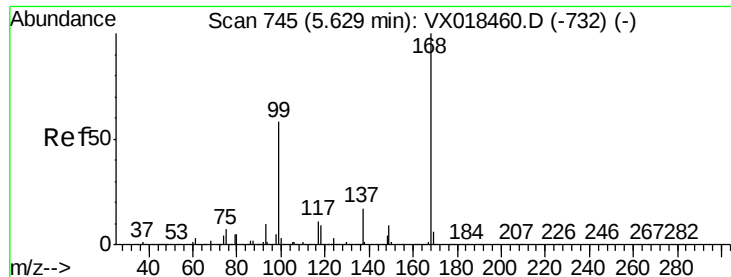
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091820\
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Quant Time: Sep 19 01:56:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

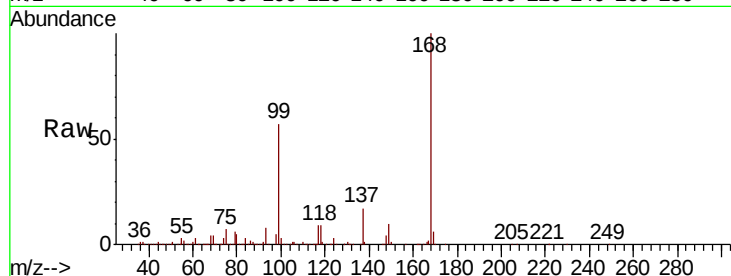
PAV-B44-090820-GW

Tot Ion:168 Resp: 526429

Ion Ratio Lower Upper

168 100

99 57.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

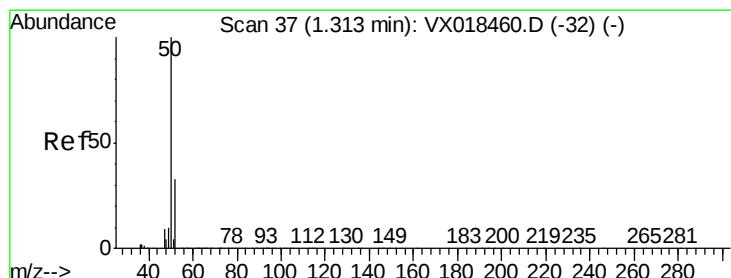
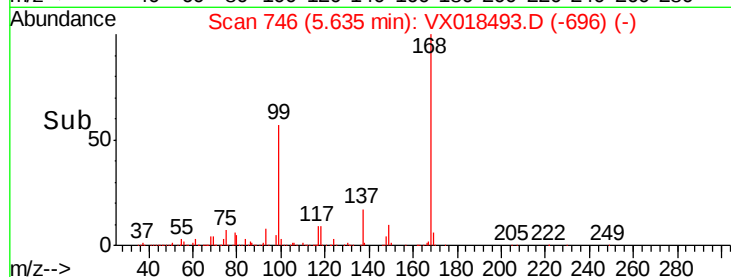
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.585 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018493.D

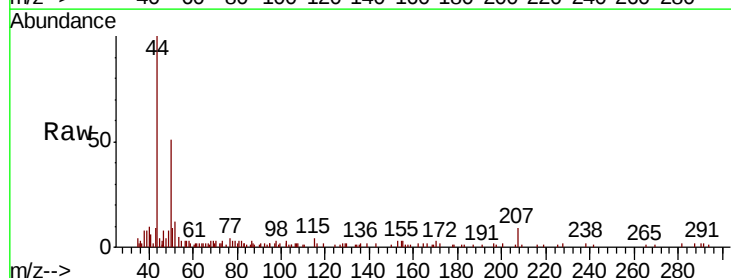
Acq: 18 Sep 2020 15:32

Tgt Ion: 50 Resp: 3417

Ion Ratio Lower Upper

50 100

52 24.3 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

3000

2500

2000

1500

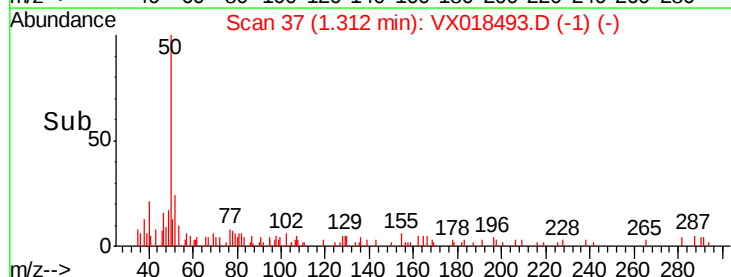
1000

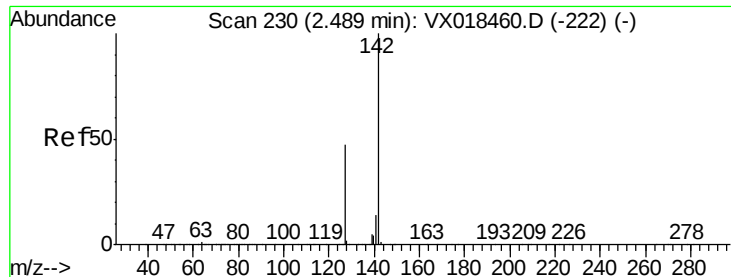
500

0

Time-->

1.25 1.30 1.35

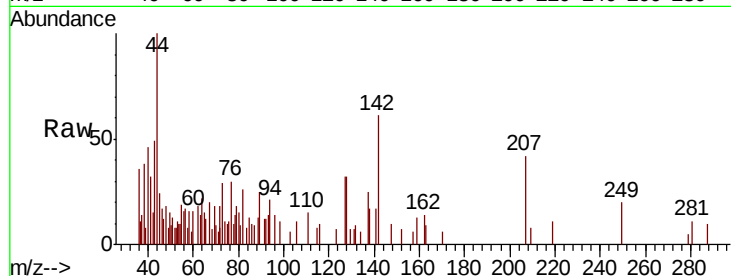




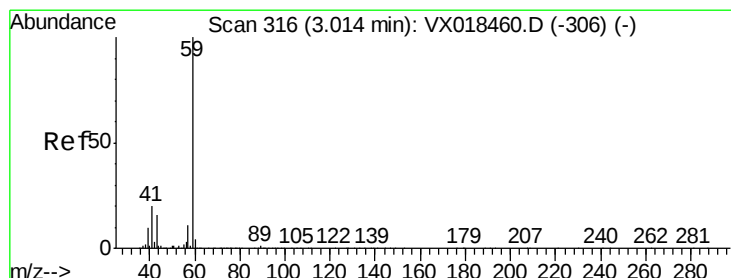
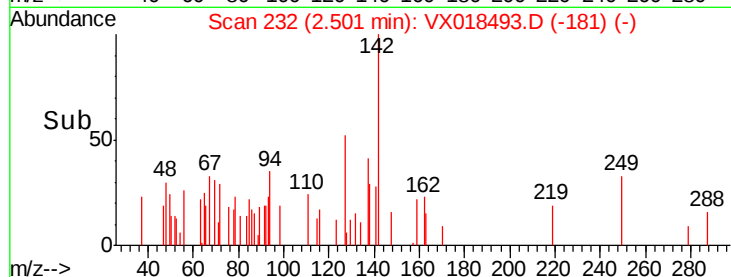
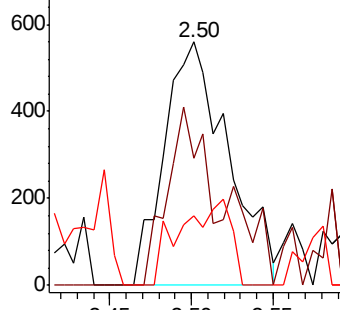
#10
Methyl Iodide
Concen: 5.135 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018493.D
Acq: 18 Sep 2020 15:32

Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090820-GW

Tot Ion:142 Resp: 1532
Ion Ratio Lower Upper
142 100
127 46.3 36.0 54.0
141 0.0 11.9 17.9#

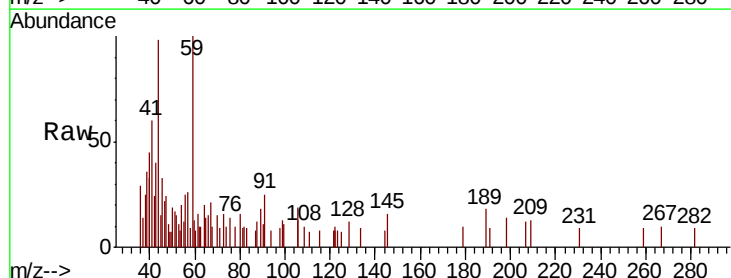


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

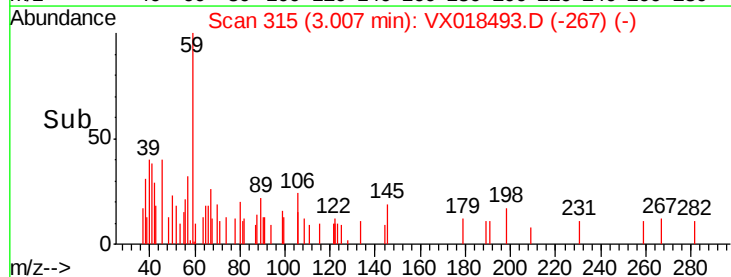
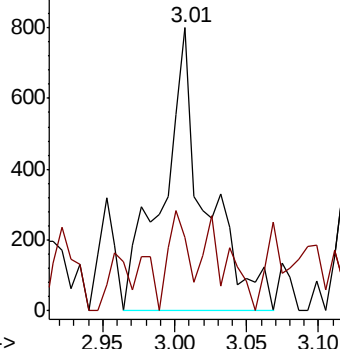


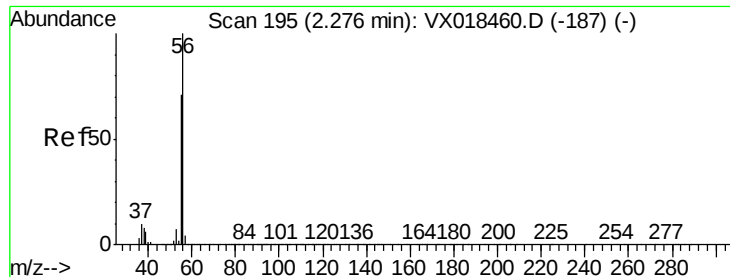
#11
Tert butyl alcohol
Concen: 1.266 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018493.D
Acq: 18 Sep 2020 15:32

Tgt Ion: 59 Resp: 1641
Ion Ratio Lower Upper
59 100
57 16.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.230 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

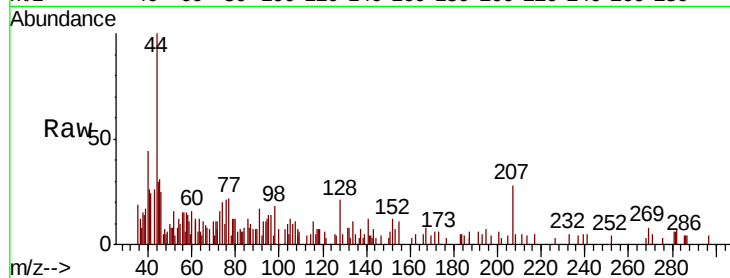
PAV-B44-090820-GW

Tot Ion: 56 Resp: 189

Ion Ratio Lower Upper

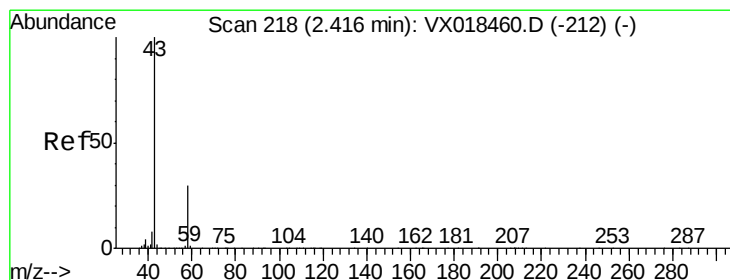
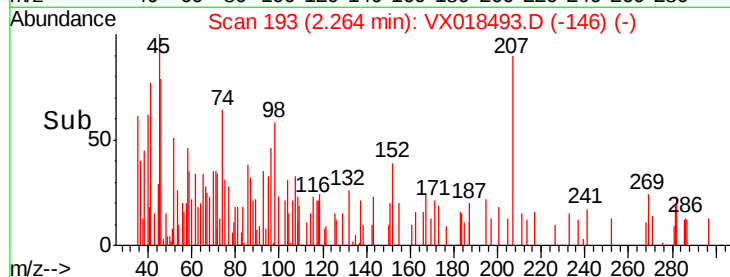
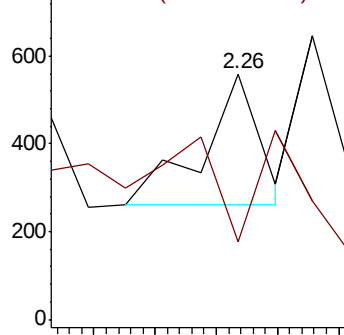
56 100

55 0.0 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 9.894 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018493.D

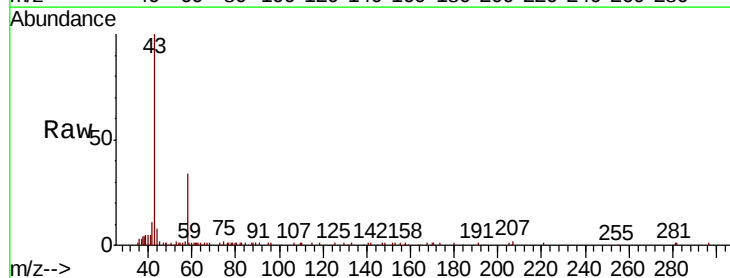
Acq: 18 Sep 2020 15:32

Tgt Ion: 43 Resp: 28178

Ion Ratio Lower Upper

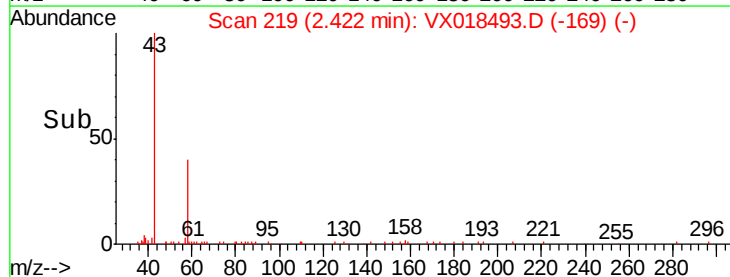
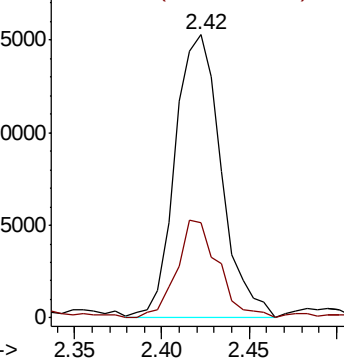
43 100

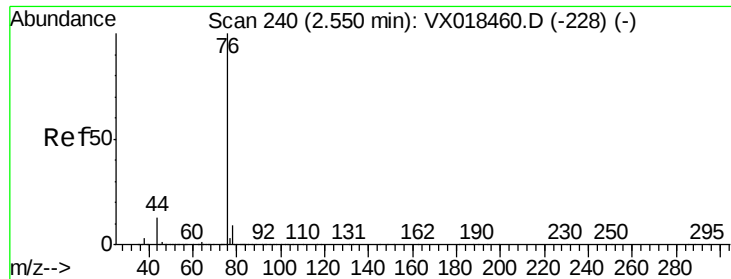
58 33.6 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.491 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

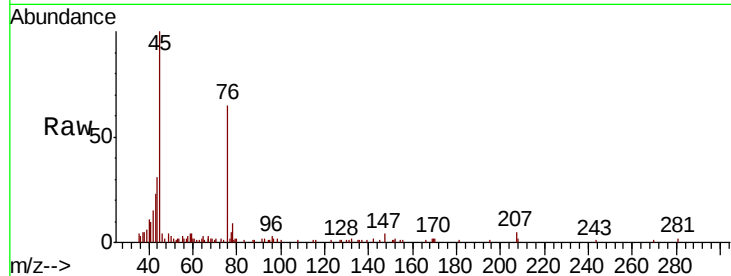
PAV-B44-090820-GW

Tot Ion: 76 Resp: 7474

Ion Ratio Lower Upper

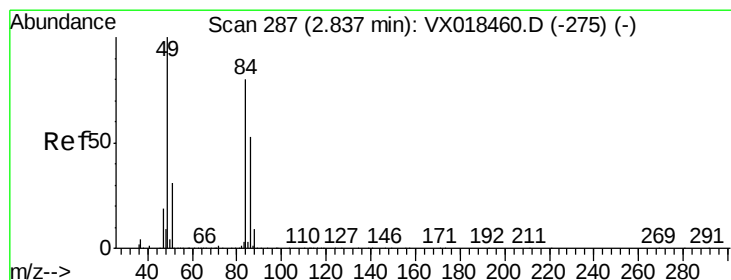
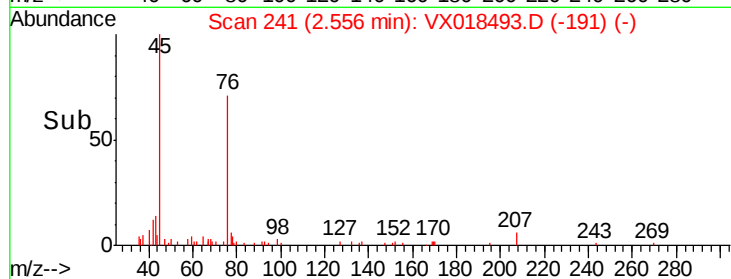
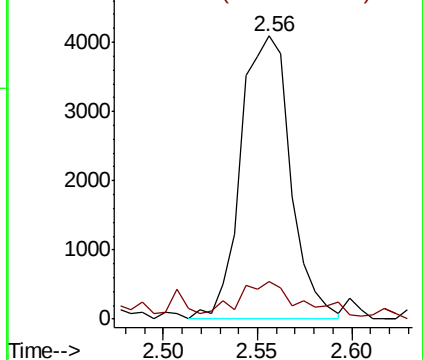
76 100

78 11.2 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.761 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

Tgt Ion: 84 Resp: 4781

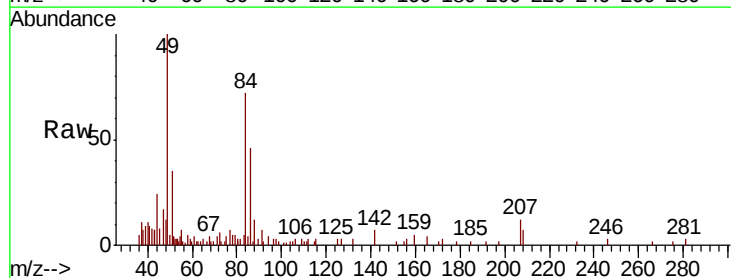
Ion Ratio Lower Upper

84 100

49 138.9 100.6 151.0

51 43.8 30.9 46.3

86 64.2 53.5 80.3

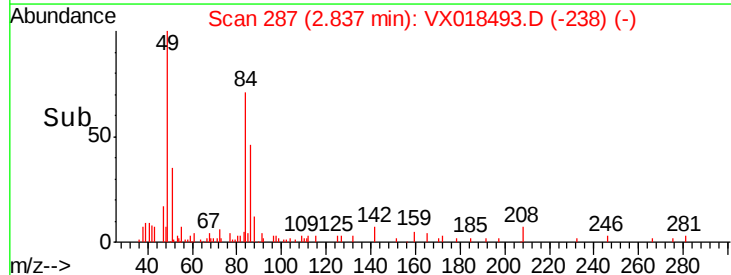
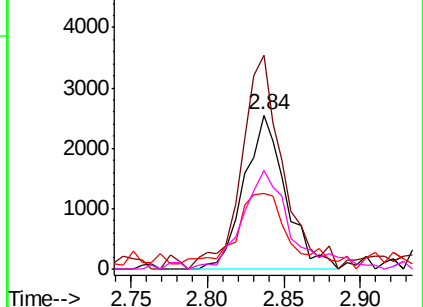


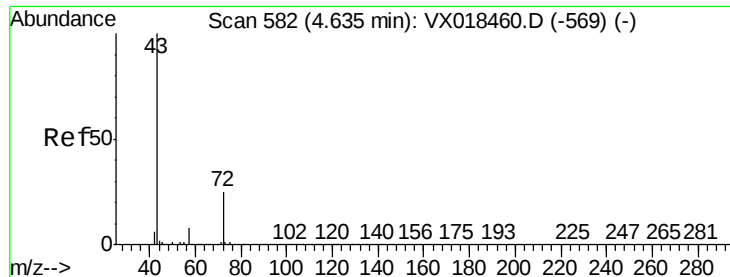
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

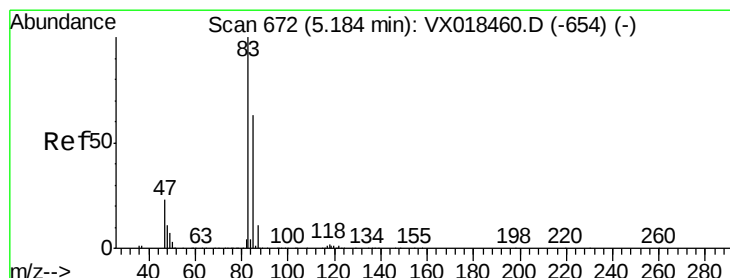
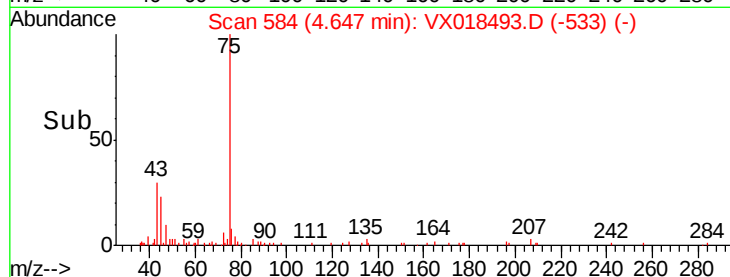
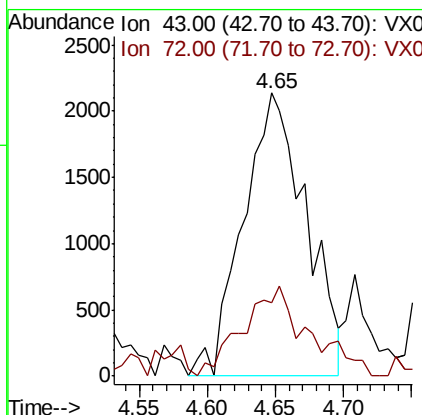
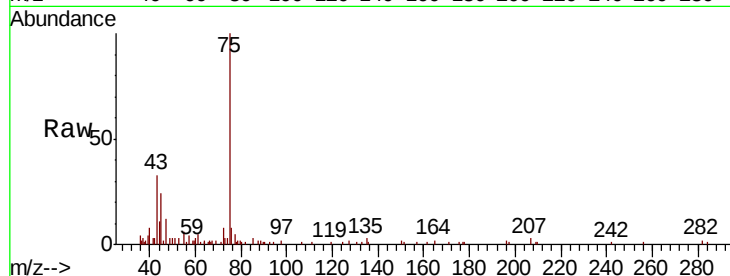




#25
2-Butanone
Concen: 1.558 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018493.D
Acq: 18 Sep 2020 15:32

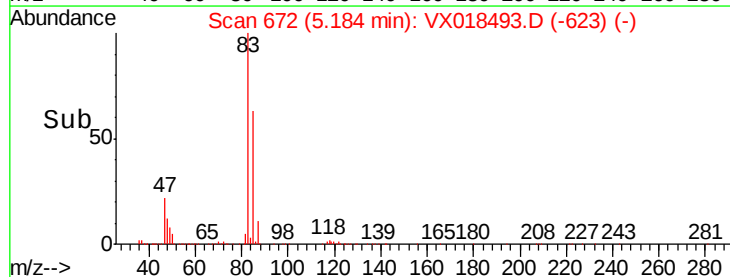
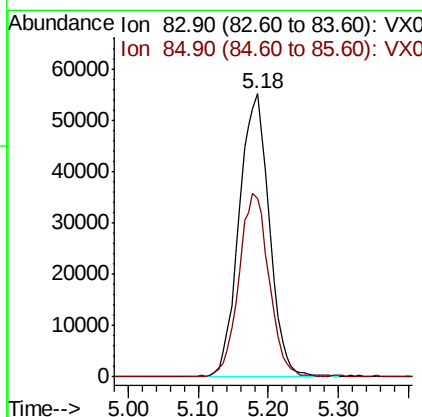
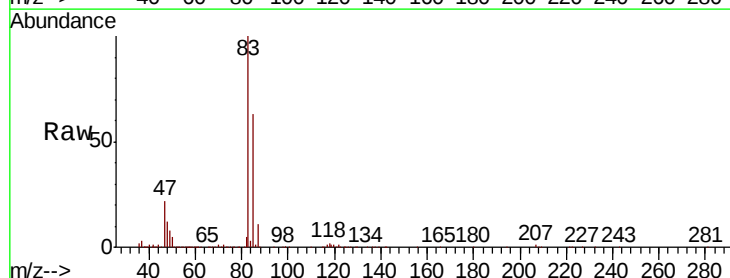
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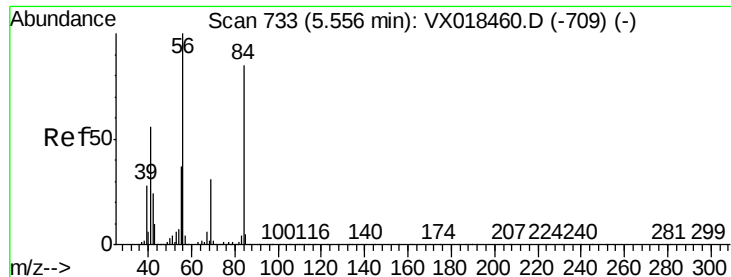
Tot Ion: 43 Resp: 6909
Ion Ratio Lower Upper
43 100
72 23.5 20.2 30.4



#30
Chloroform
Concen: 15.251 ug/l
RT: 5.18 min Scan# 672
Delta R.T. -0.00 min
Lab File: VX018493.D
Acq: 18 Sep 2020 15:32

Tgt Ion: 83 Resp: 165721
Ion Ratio Lower Upper
83 100
85 63.0 50.6 76.0





#31

Cyclohexane

Concen: 1.474 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.07 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090820-GW

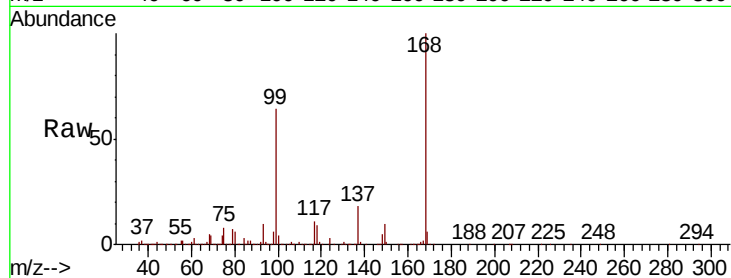
Tot Ion: 56 Resp: 13288

Ion Ratio Lower Upper

56 100

69 183.3 24.8 37.2#

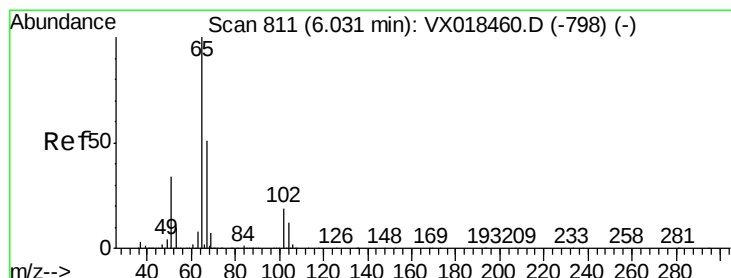
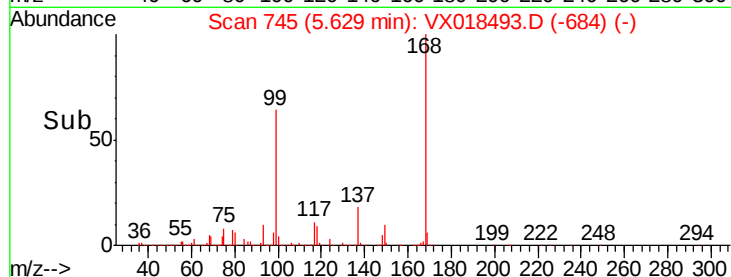
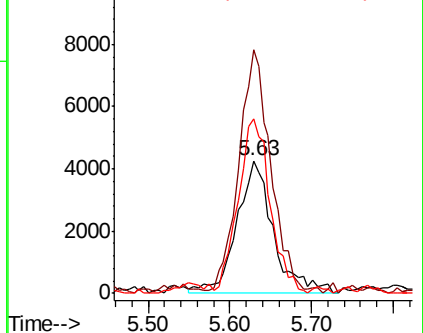
84 130.0 67.6 101.4#



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



#33

1,2-Dichloroethane-d4

Concen: 48.972 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018493.D

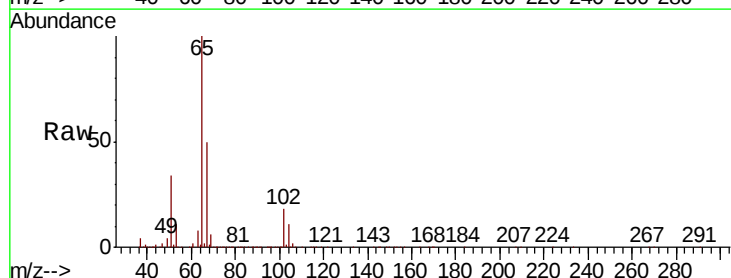
Acq: 18 Sep 2020 15:32

Tgt Ion: 65 Resp: 364705

Ion Ratio Lower Upper

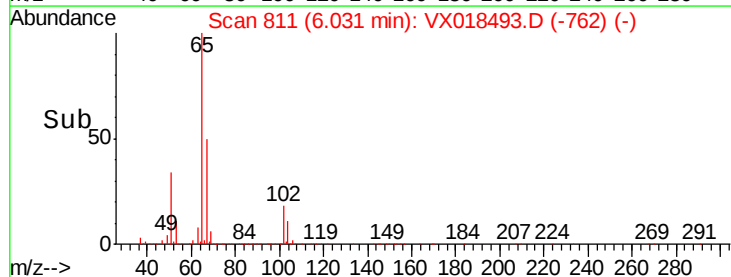
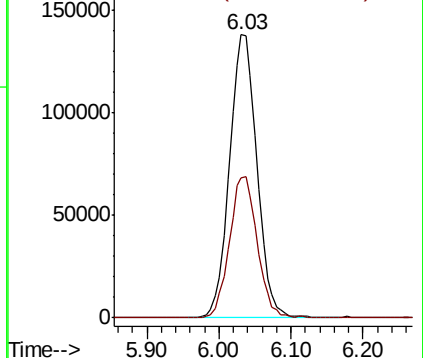
65 100

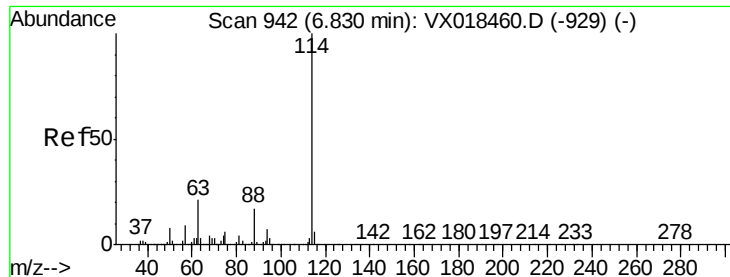
67 50.4 0.0 105.6



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# 943

Delta R.T. 0.01 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090820-GW

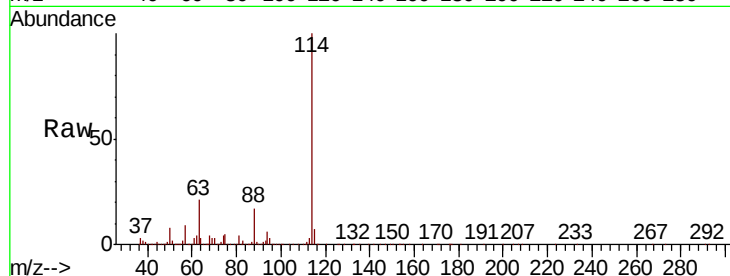
Tot Ion:114 Resp: 843659

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

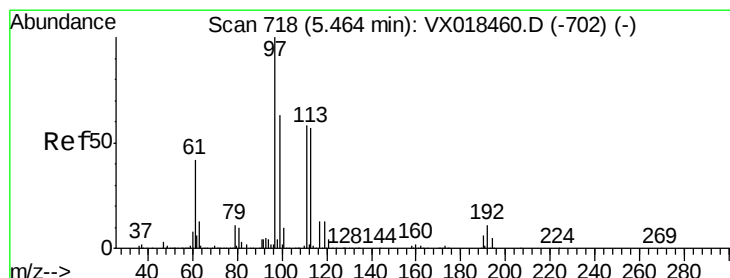
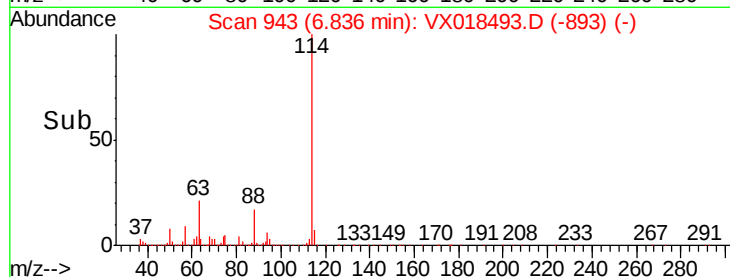
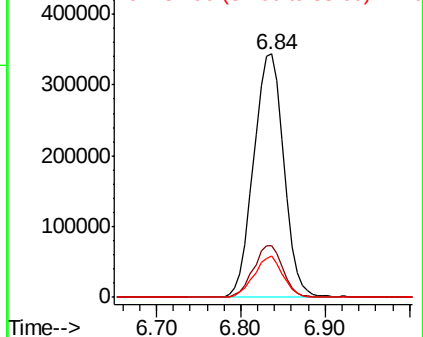
88 16.8 0.0 33.6



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: 48.554 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

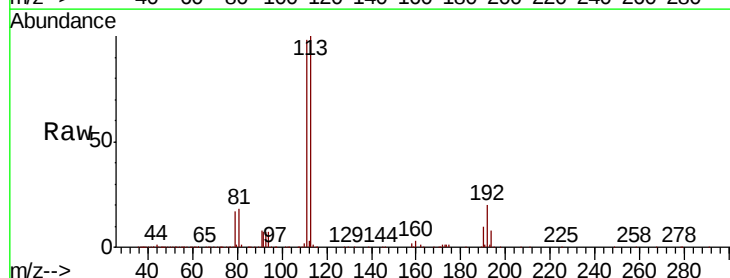
Tgt Ion:113 Resp: 283181

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.2

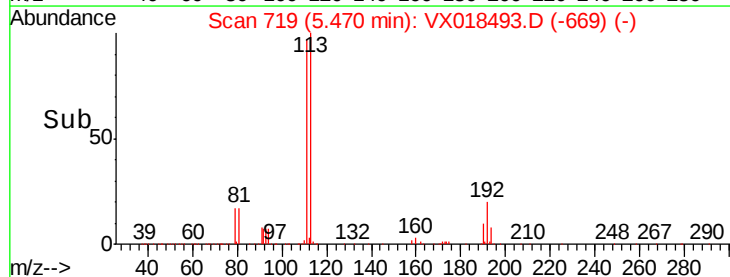
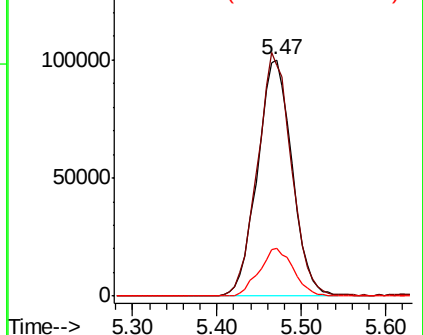
192 20.1 16.6 24.8

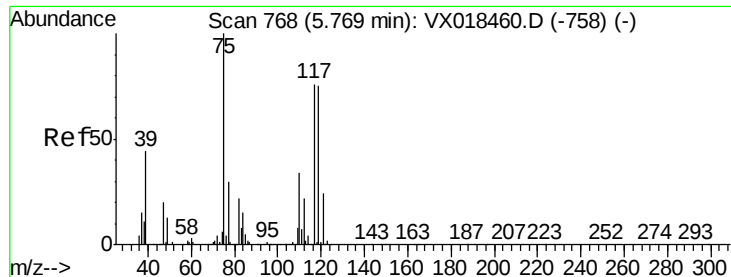


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

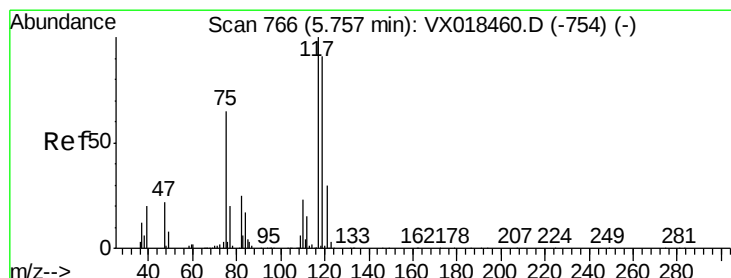
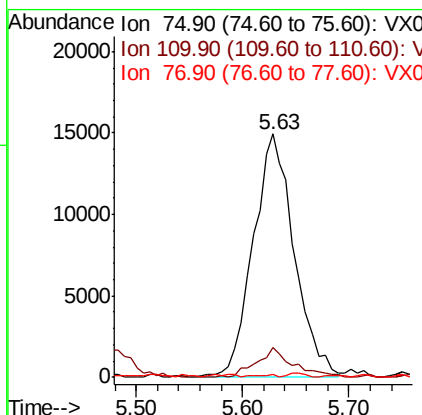
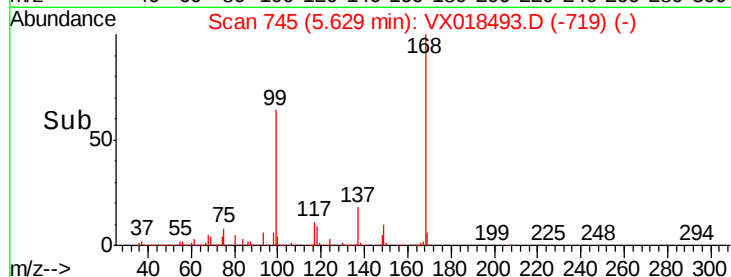
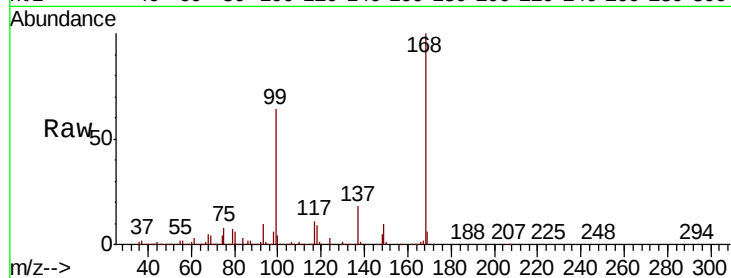




#36
 1,1-Dichloropropene
 Concen: 4.930 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018493.D
 Acq: 18 Sep 2020 15:32

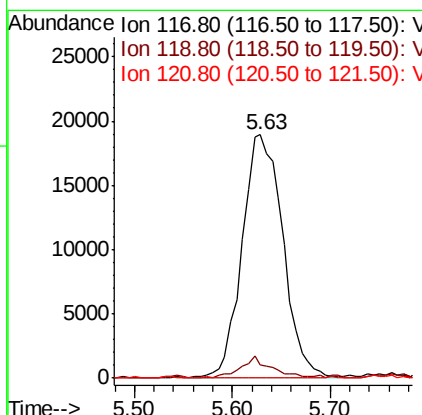
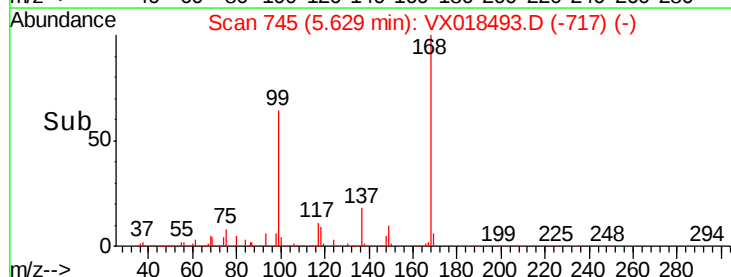
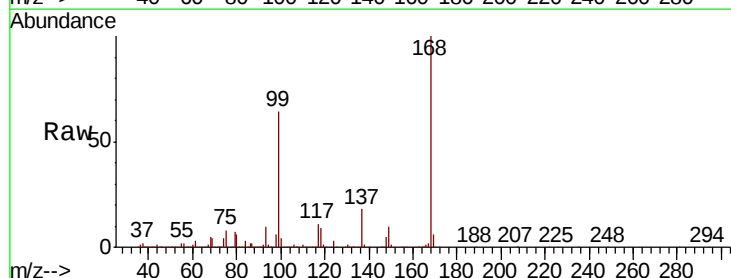
Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B44-090820-GW

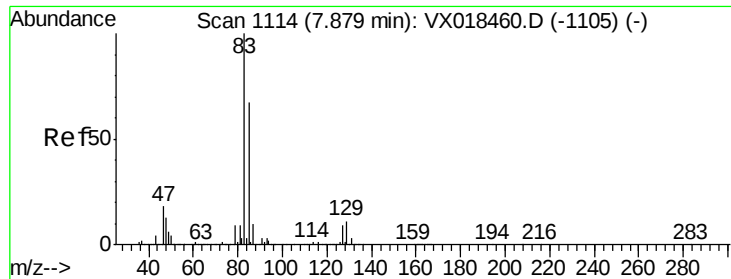
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	17.6	52.8#
77	0.5	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.069 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX018493.D
 Acq: 18 Sep 2020 15:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	72.3	108.5#
121	0.0	23.8	35.8#





#47

Bromodichloromethane

Concen: 0.306 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090820-GW

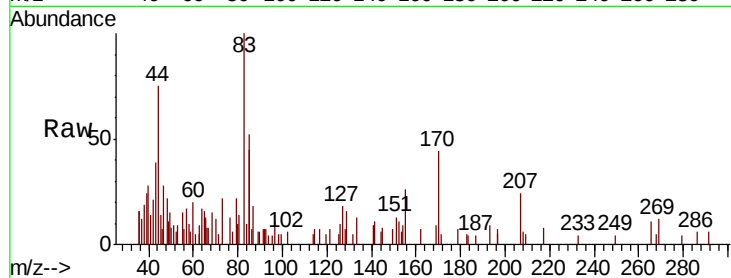
Tot Ion: 83 Resp: 2728

Ion Ratio Lower Upper

83 100

85 92.3 53.3 79.9#

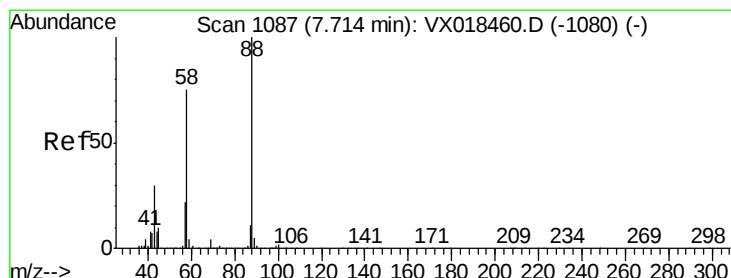
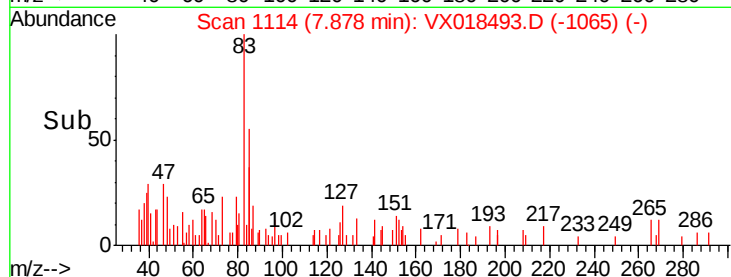
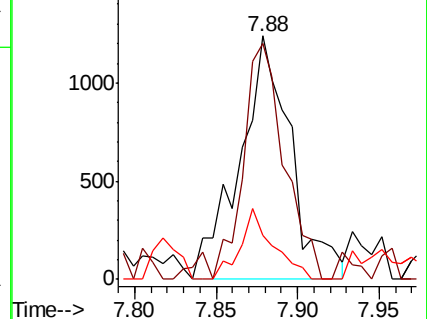
127 18.2 7.4 11.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#49

1,4-Dioxane

Concen: 2.219 ug/l

RT: 7.69 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

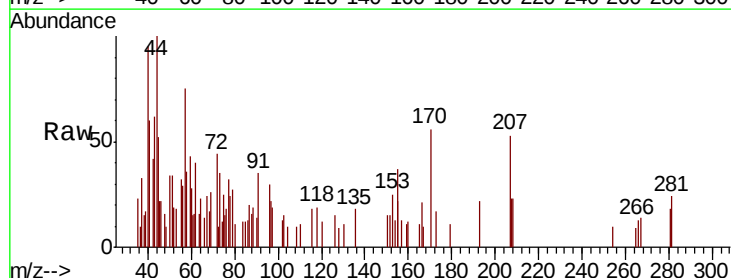
Tgt Ion: 88 Resp: 259

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

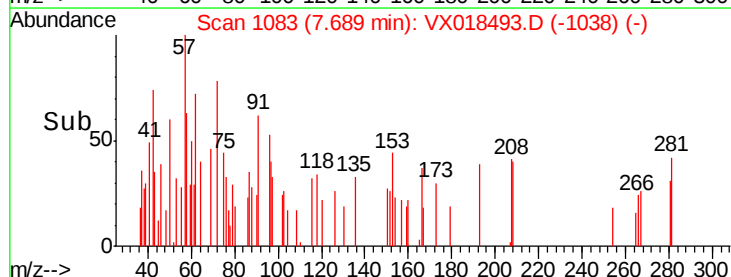
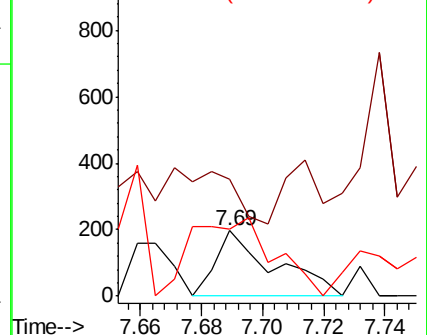
58 162.5 59.0 88.6#

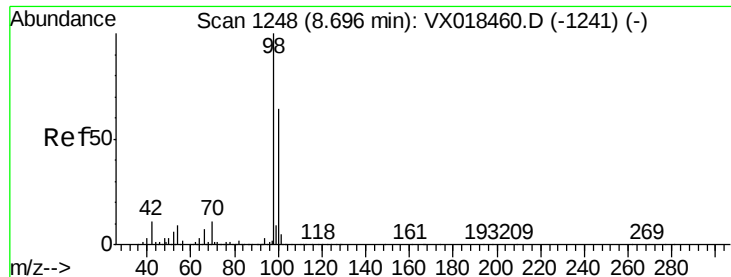


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

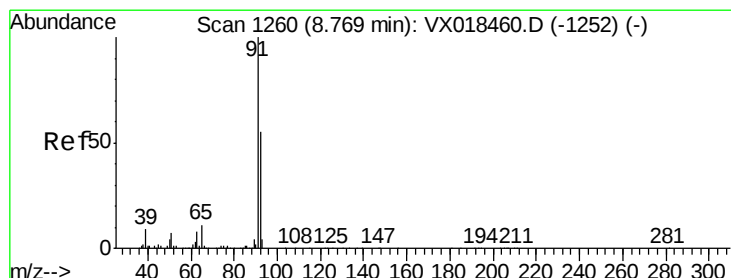
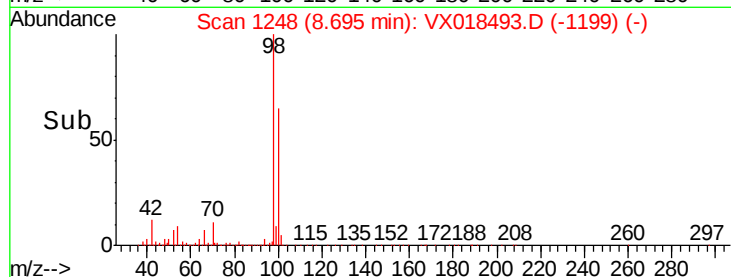
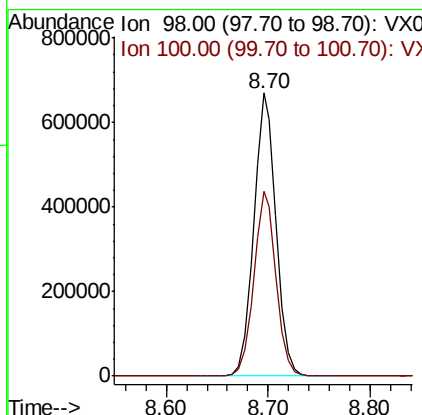
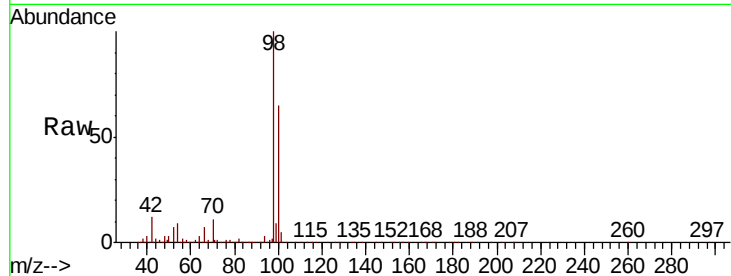




#50
Toluene-d8
Concen: 48.042 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018493.D
Acq: 18 Sep 2020 15:32

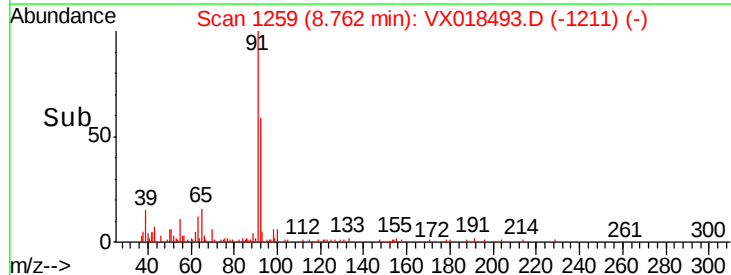
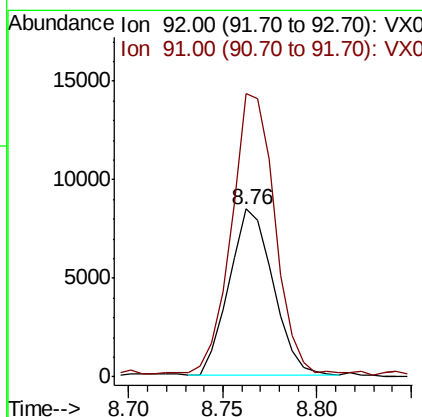
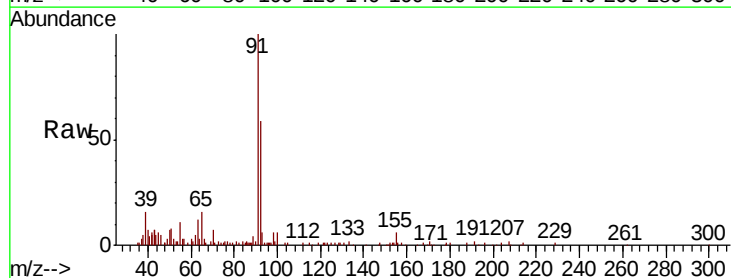
Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090820-GW

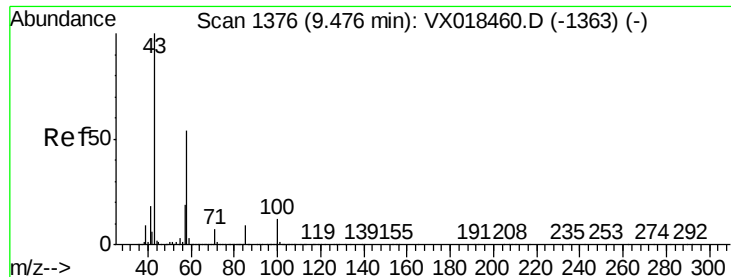
Tot Ion: 98 Resp: 1018042
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



#52
Toluene
Concen: 0.930 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX018493.D
Acq: 18 Sep 2020 15:32

Tgt Ion: 92 Resp: 13728
Ion Ratio Lower Upper
92 100
91 165.2 140.6 210.8

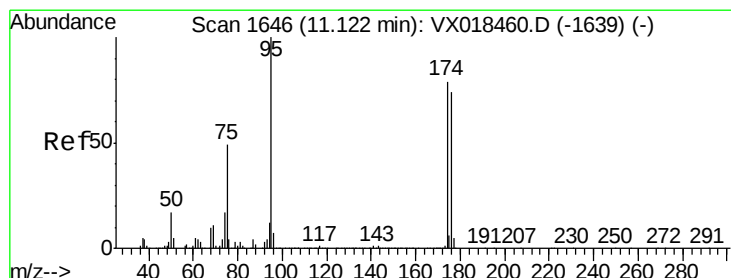
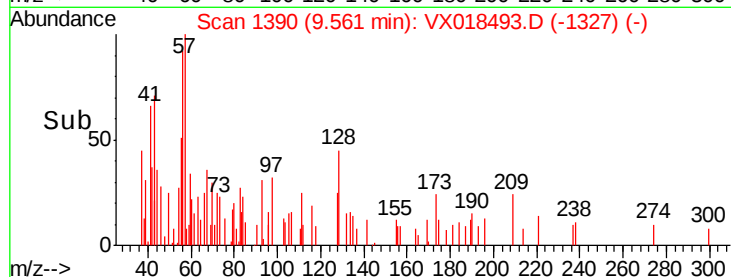
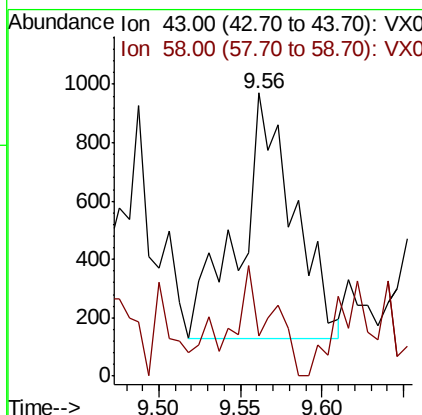
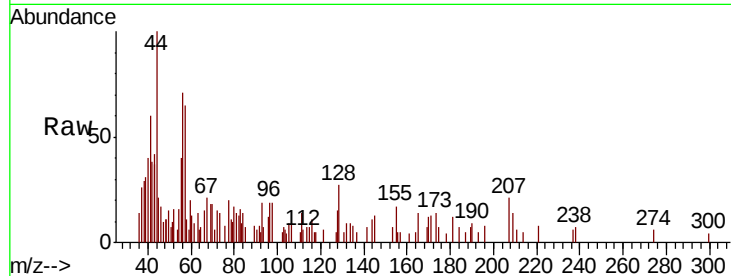




#59
2-Hexanone
Concen: 0.296 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. 0.09 min
Lab File: VX018493.D
Acq: 18 Sep 2020 15:32

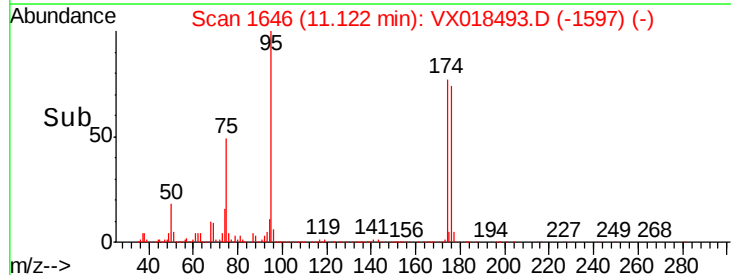
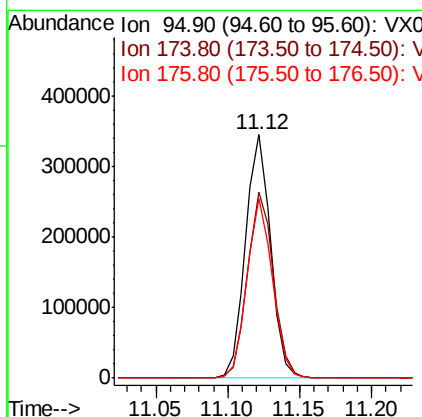
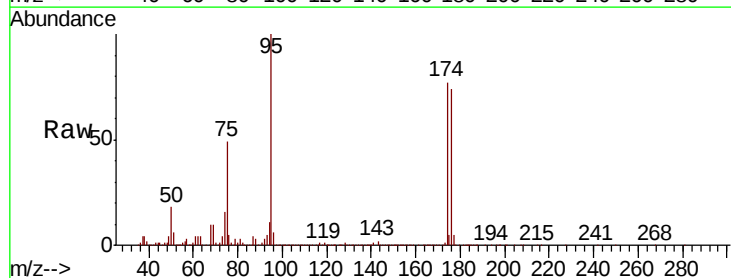
Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090820-GW

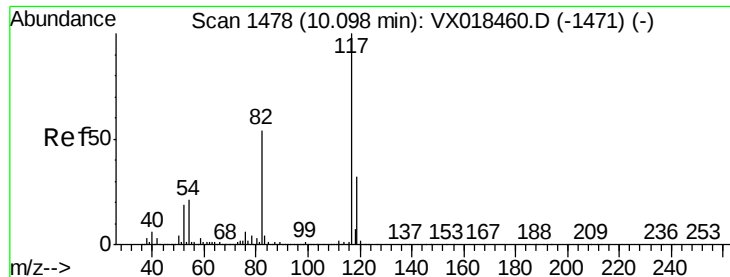
Tot Ion: 43 Resp: 1943
Ion Ratio Lower Upper
43 100
58 26.9 26.5 79.4



#62
4-Bromofluorobenzene
Concen: 49.106 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018493.D
Acq: 18 Sep 2020 15:32

Tgt Ion: 95 Resp: 413927
Ion Ratio Lower Upper
95 100
174 79.1 0.0 161.4
176 75.1 0.0 151.4

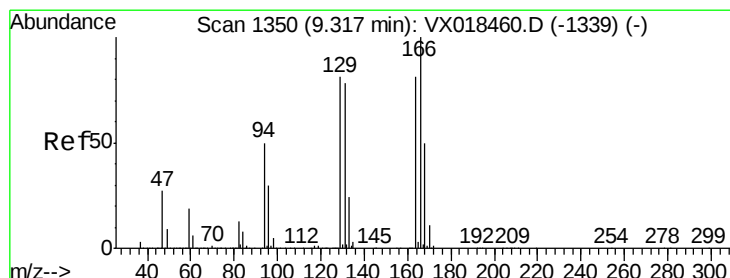
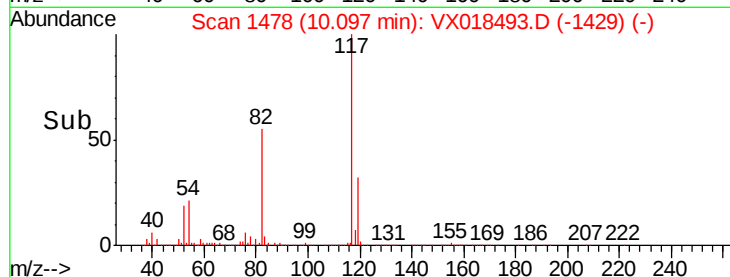
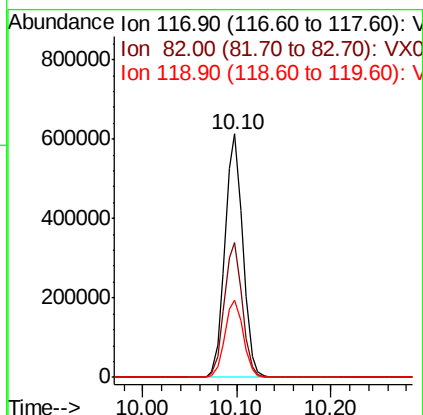
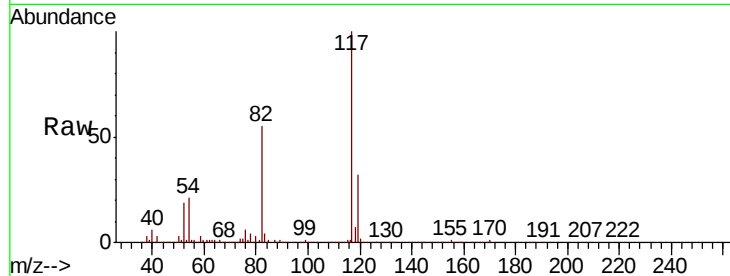




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018493.D
Acq: 18 Sep 2020 15:32

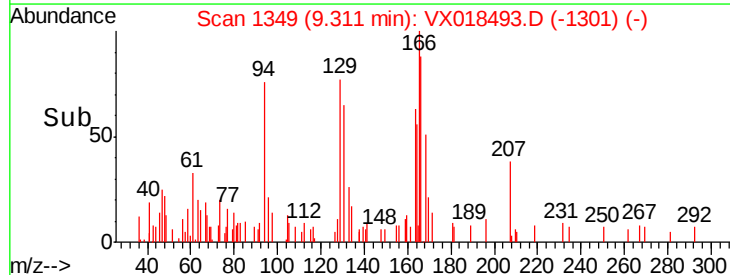
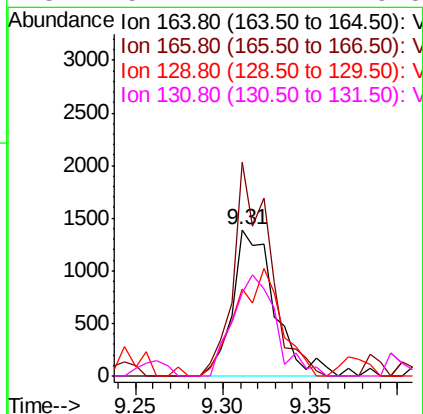
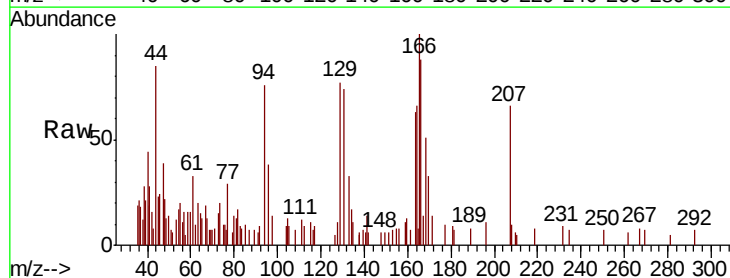
Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090820-GW

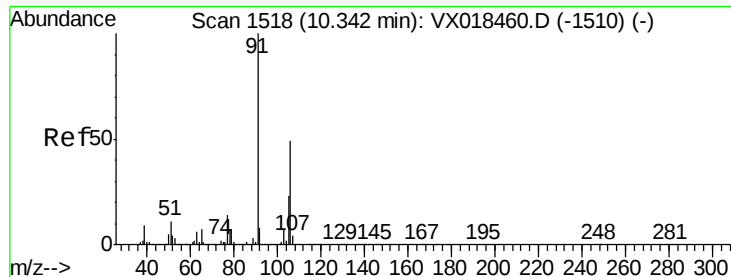
Tot Ion:117 Resp: 804438
Ion Ratio Lower Upper
117 100
82 55.2 43.3 64.9
119 31.5 25.9 38.9



#64
Tetrachloroethene
Concen: 0.363 ug/l
RT: 9.31 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VX018493.D
Acq: 18 Sep 2020 15:32

Tgt Ion:164 Resp: 2301
Ion Ratio Lower Upper
164 100
166 146.4 99.3 148.9
129 60.1 80.7 121.1#
131 57.2 77.2 115.8#





#68

m/p-Xvlenes

Concen: 0.211 ug/l

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

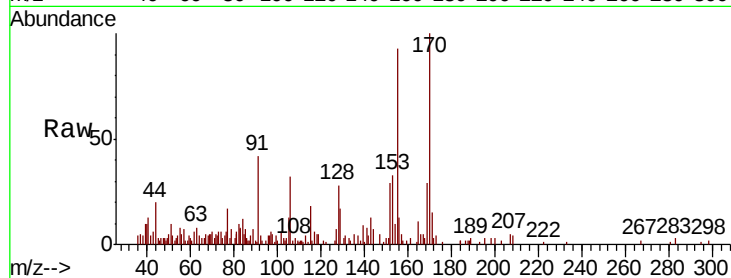
PAV-B44-090820-GW

Tot Ion:106 Resp: 2289

Ion Ratio Lower Upper

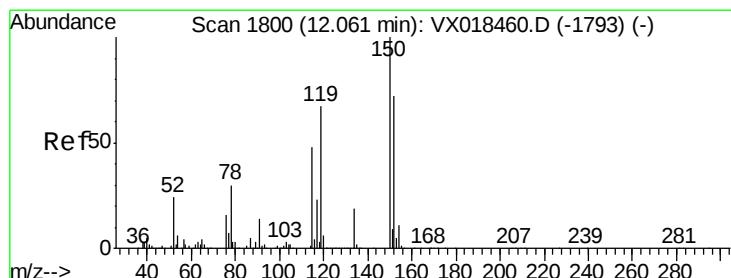
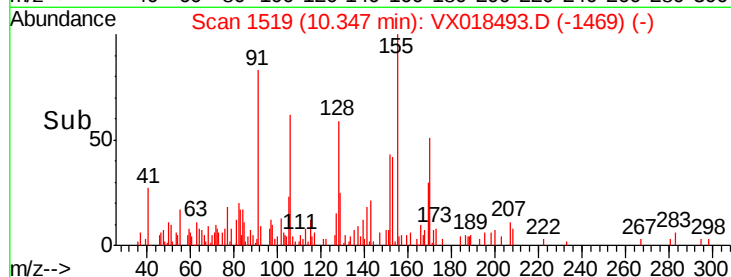
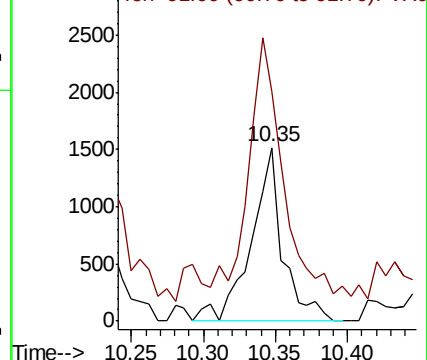
106 100

91 160.6 163.8 245.6#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

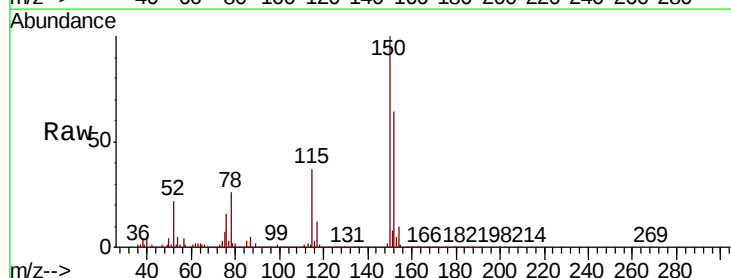
Tgt Ion:152 Resp: 427726

Ion Ratio Lower Upper

152 100

115 59.4 41.8 125.4

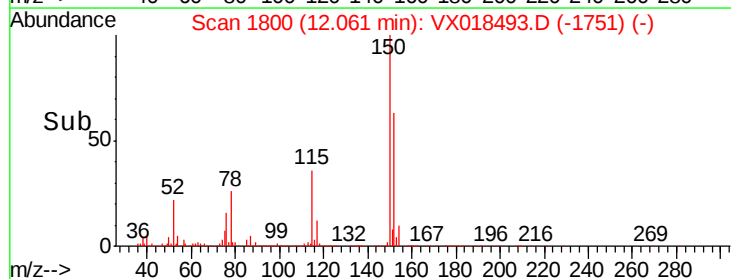
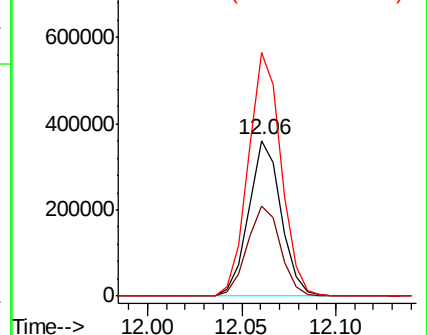
150 159.6 0.0 342.4

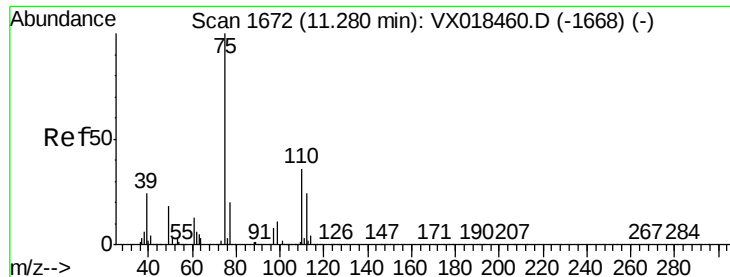


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.357 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

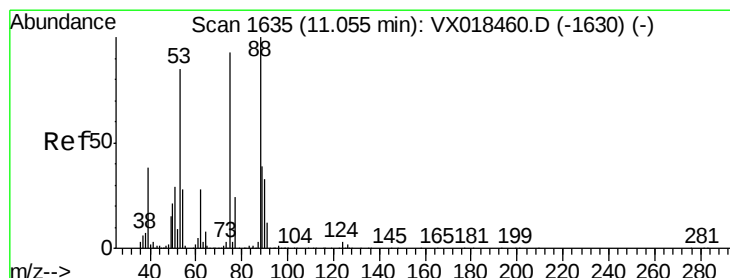
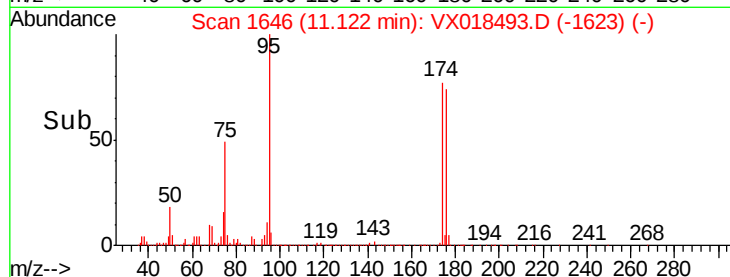
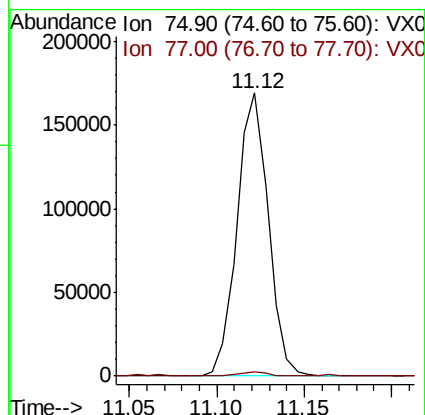
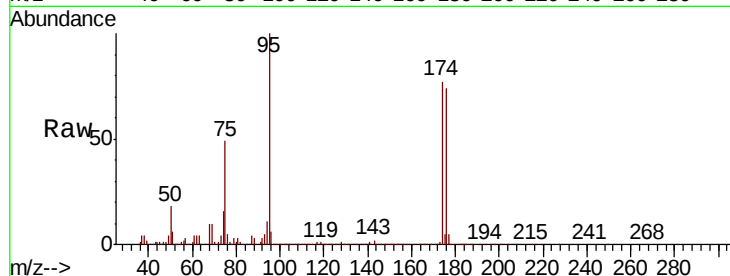
PAV-B44-090820-GW

Tot Ion: 75 Resp: 209943

Ion Ratio Lower Upper

75 100

77 1.5 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.852 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018493.D

Acq: 18 Sep 2020 15:32

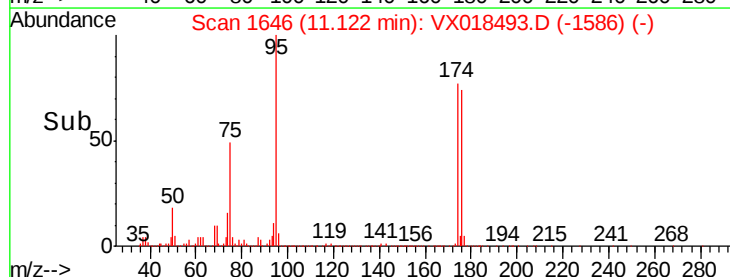
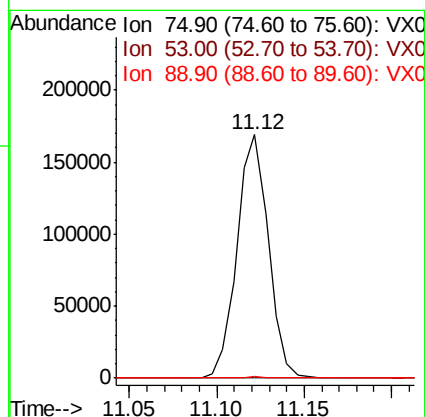
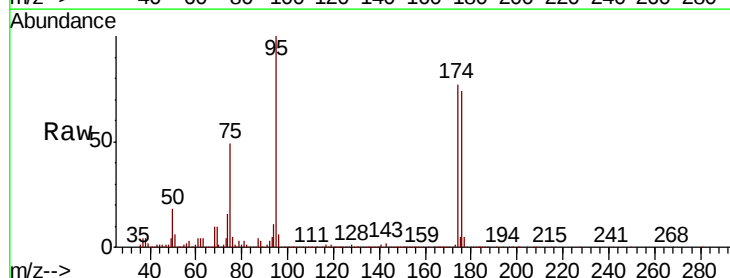
Tgt Ion: 75 Resp: 209943

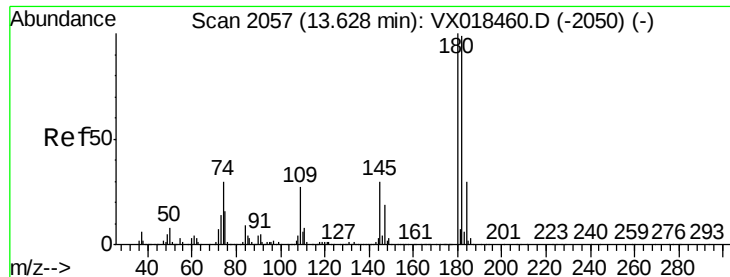
Ion Ratio Lower Upper

75 100

53 0.1 74.6 111.8#

89 0.4 36.2 54.4#

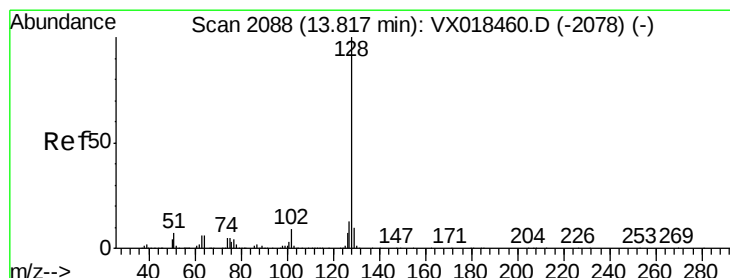
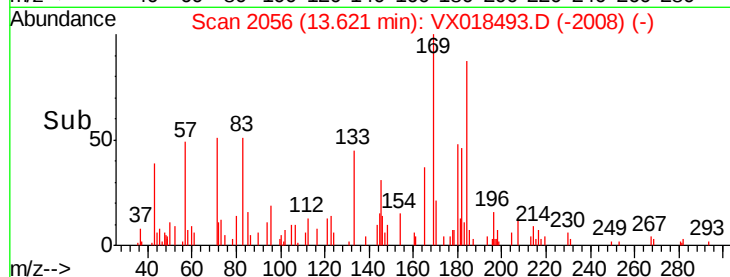
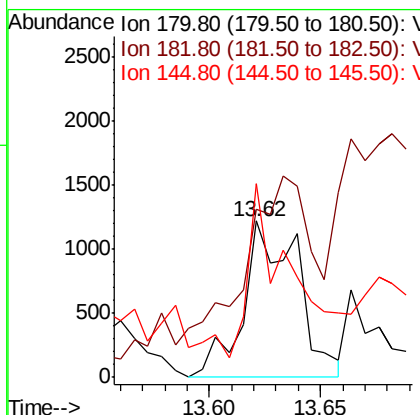
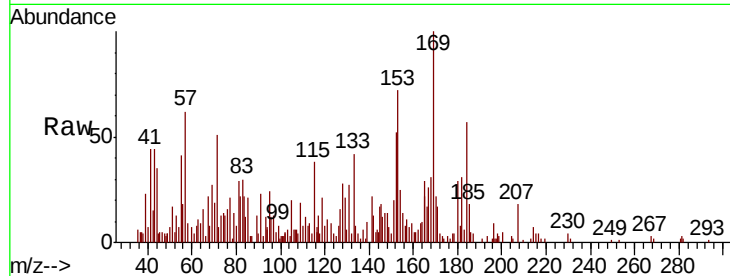




#93
 1,2,4-Trichlorobenzene
 Concen: 0.224 ug/l
 RT: 13.62 min Scan# 2056
 Delta R.T. -0.01 min
 Lab File: VX018493.D
 Acq: 18 Sep 2020 15:32

Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B44-090820-GW

Tot Ion:180 Resp: 2073
 Ion Ratio Lower Upper
 180 100
 182 126.9 50.2 150.6
 145 72.6 15.7 47.1#



#95
 Naphthalene
 Concen: 0.401 ug/l
 RT: 13.81 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VX018493.D
 Acq: 18 Sep 2020 15:32

Tgt Ion:128 Resp: 11180
 Ion Ratio Lower Upper
 128 100
 127 14.7 10.3 15.5
 129 13.3 8.7 13.1#

