

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102921\
 Data File : VU045462.D
 Acq On : 29 Oct 2021 14:35
 Operator : SY/MD
 Sample : M4360-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW9-GW-258-260

Quant Time: Oct 30 04:06:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.379	168	196193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	380467	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	374854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	179208	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	165448	51.798	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.600%	
35) Dibromofluoromethane	5.295	113	122242	50.530	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.060%	
50) Toluene-d8	7.903	98	491977	51.860	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.720%	
62) 4-Bromofluorobenzene	10.636	95	186134	51.490	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.980%	

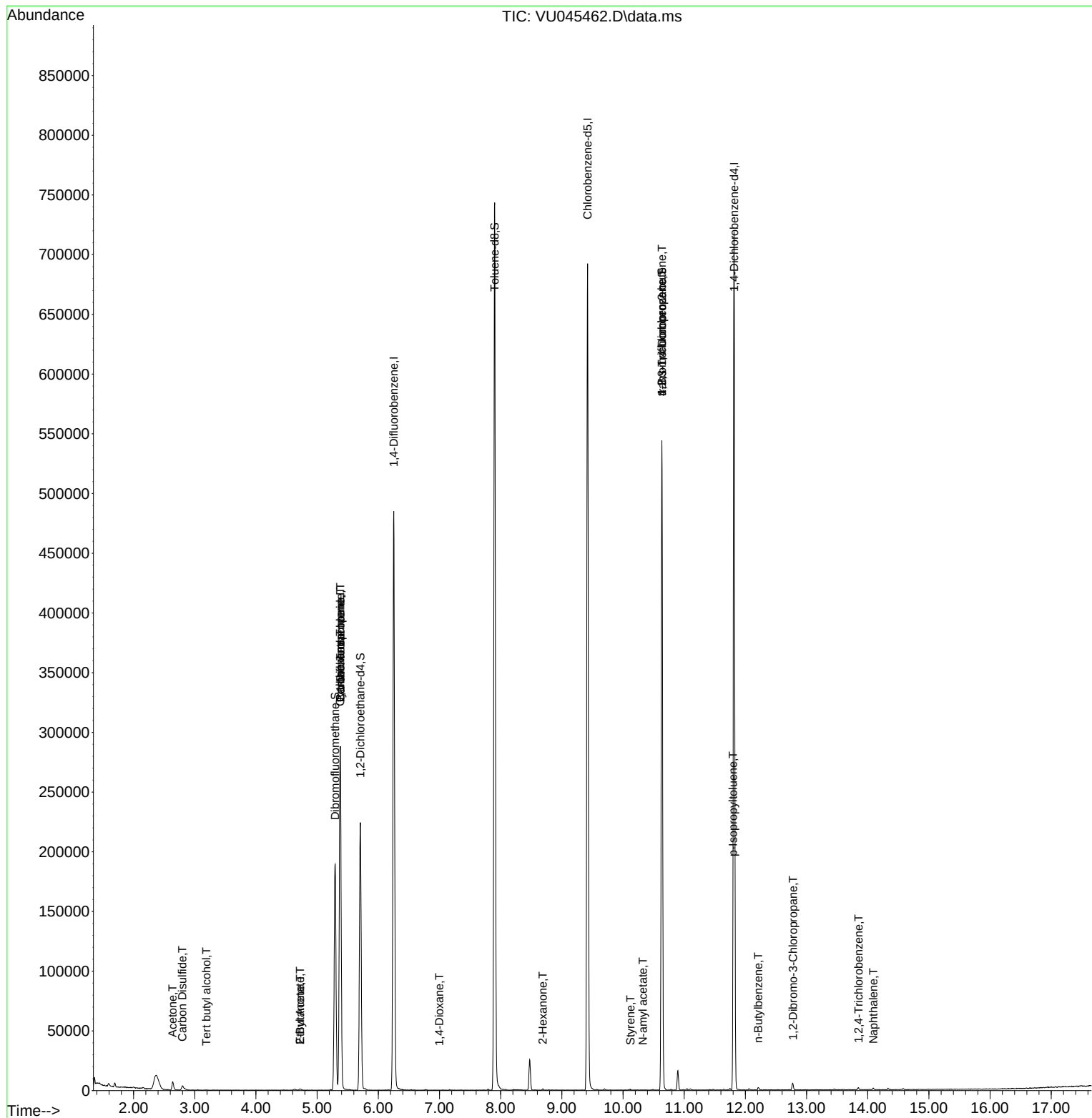
Target Compounds						Qvalue
11) Tert butyl alcohol	3.192	59	147	0.213	ug/l #	72
16) Acetone	2.639	43	8820	6.082	ug/l	98
17) Carbon Disulfide	2.797	76	1657	0.254	ug/l	99
25) 2-Butanone	4.719	43	1973	0.901	ug/l #	81
31) Cyclohexane	5.375	56	4667	0.981	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	17628	4.867	ug/l #	49
37) Ethyl Acetate	4.719	43	1973	0.450	ug/l #	67
38) Carbon Tetrachloride	5.379	117	19432	6.152	ug/l #	16
49) 1,4-Dioxane	6.996	88	62	0.779	ug/l #	13
59) 2-Hexanone	8.687	43	789	0.238	ug/l	87
70) Styrene	10.121	104	290	1.008	ug/l #	61
74) N-amyl acetate	10.324	43	42	1.162	ug/l #	40
76) 1,2,3-Trichloropropane	10.636	75	95847	20.073	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.636	75	95847	55.745	ug/l #	12
86) p-Isopropyltoluene	11.796	119	591	0.240	ug/l #	18
89) n-Butylbenzene	12.211	91	1061	1.031	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.780	75	242	0.210	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.851	180	768	0.206	ug/l	96
95) Naphthalene	14.092	128	1547	0.205	ug/l #	83

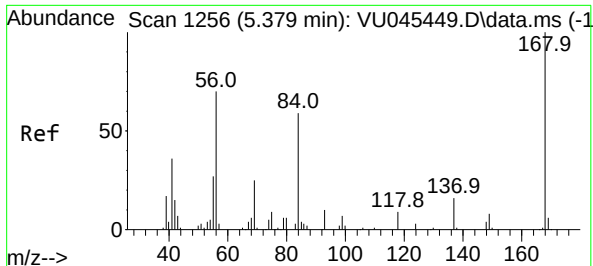
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 29 11:09:42 2021
Response via : Initial Calibration

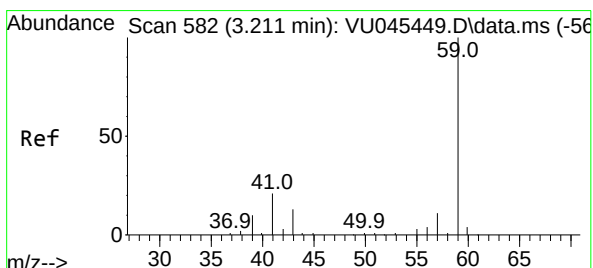
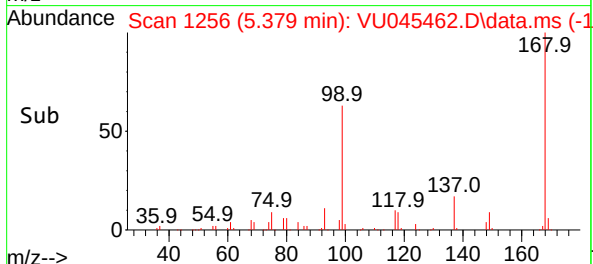
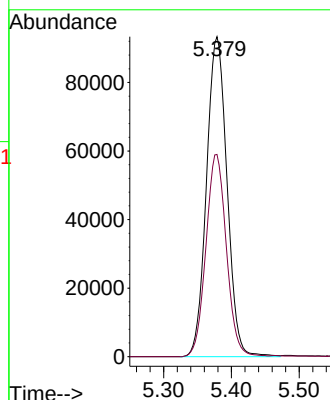
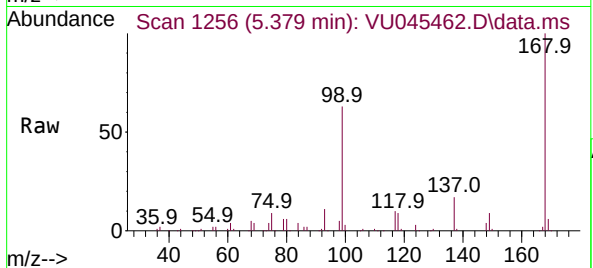




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

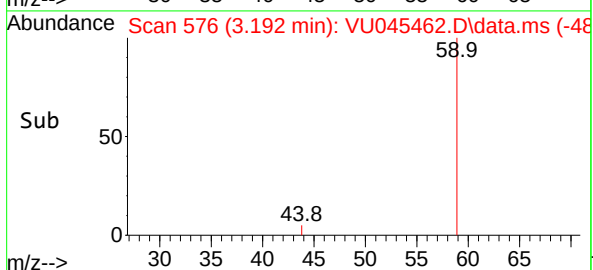
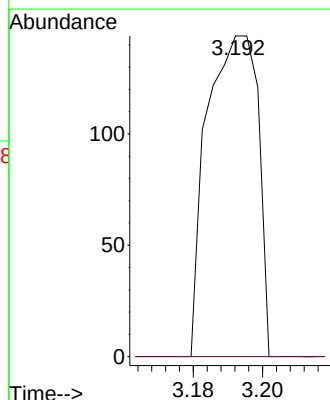
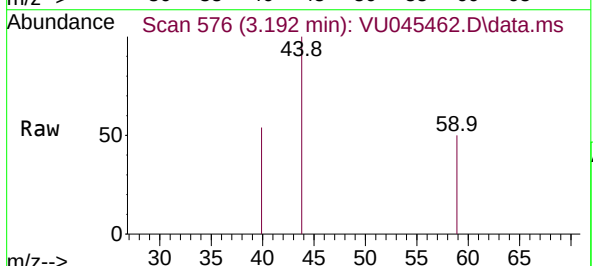
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-258-260

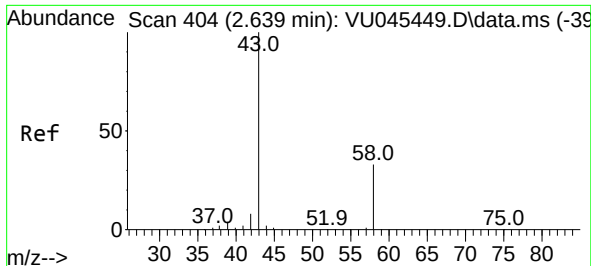
Tgt Ion:168 Resp: 196193
Ion Ratio Lower Upper
168 100
99 63.2 51.0 76.6



#11
Tert butyl alcohol
Concen: 0.213 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.019 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion: 59 Resp: 147
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

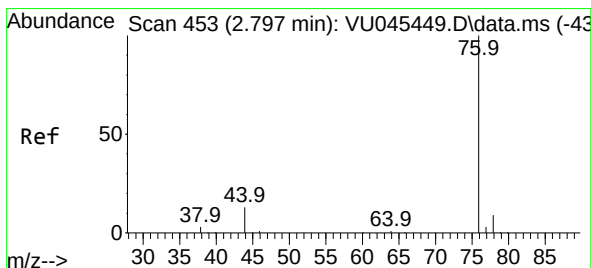
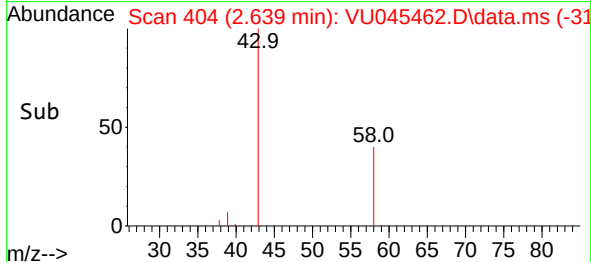
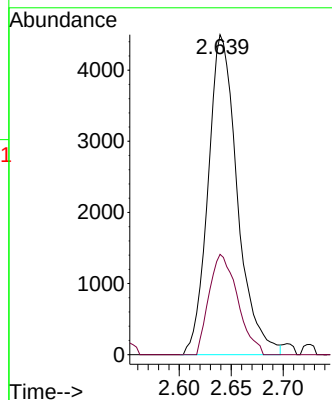
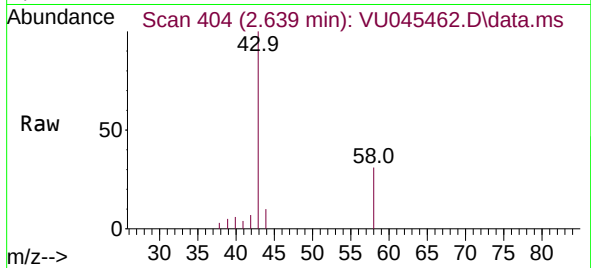




#16
Acetone
Concen: 6.082 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

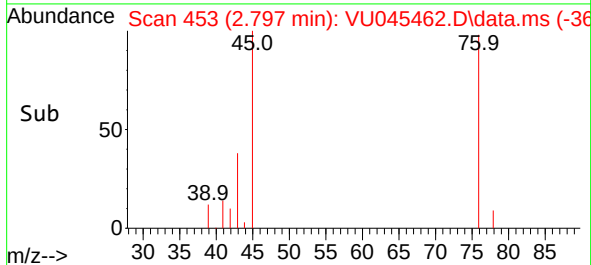
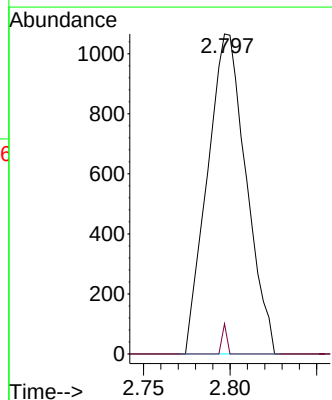
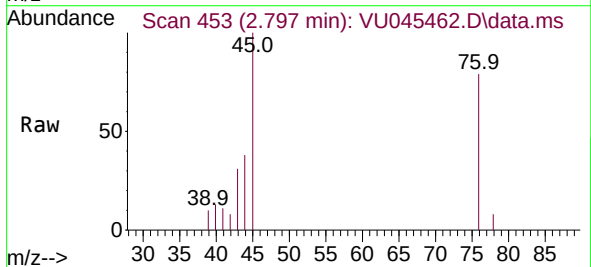
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-258-260

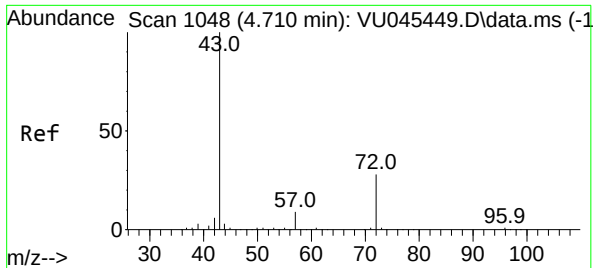
Tgt Ion: 43 Resp: 8820
Ion Ratio Lower Upper
43 100
58 31.4 26.2 39.2



#17
Carbon Disulfide
Concen: 0.254 ug/l
RT: 2.797 min Scan# 453
Delta R.T. 0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion: 76 Resp: 1657
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9





#25

2-Butanone

Concen: 0.901 ug/l

RT: 4.719 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

Instrument :

MSVOA_U

ClientSampleId :

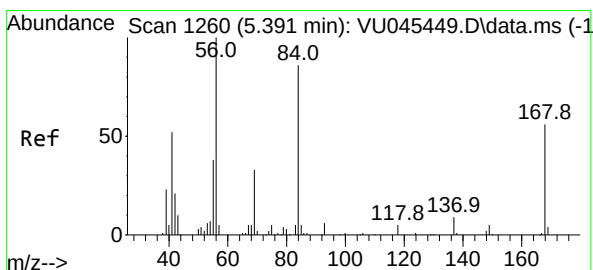
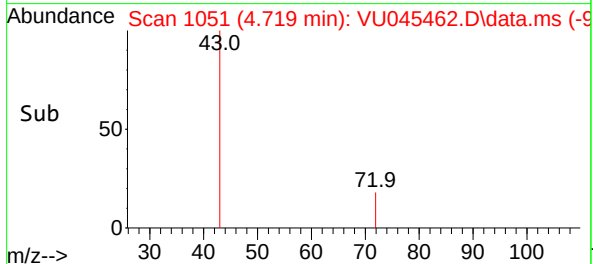
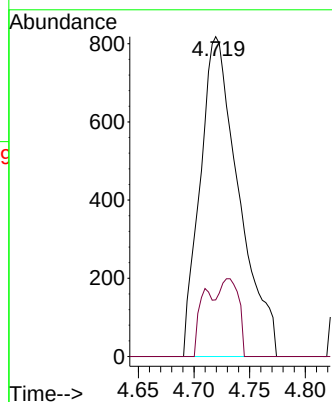
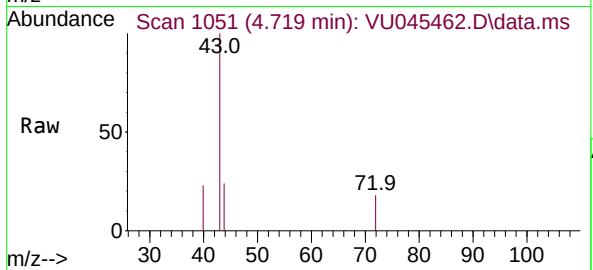
BP-VPB-RW9-GW-258-260

Tgt Ion: 43 Resp: 1973

Ion Ratio Lower Upper

43 100

72 17.7 22.0 33.0#



#31

Cyclohexane

Concen: 0.981 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.016 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

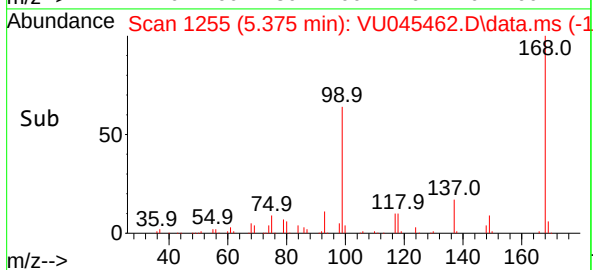
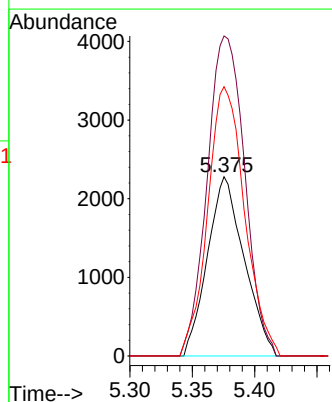
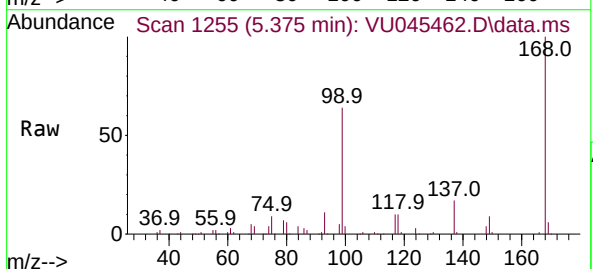
Tgt Ion: 56 Resp: 4667

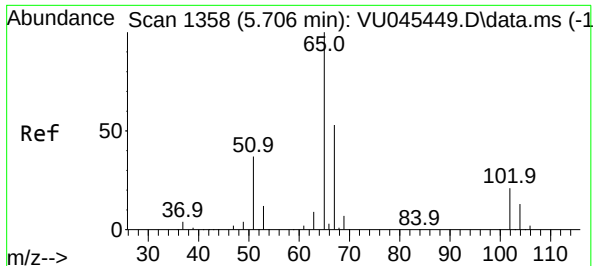
Ion Ratio Lower Upper

56 100

69 178.5 26.4 39.6#

84 150.2 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 51.798 ug/l

RT: 5.707 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

Instrument :

MSVOA_U

ClientSampleId :

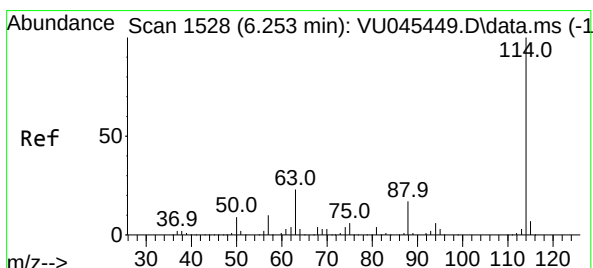
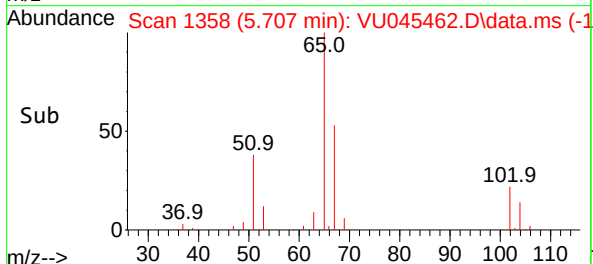
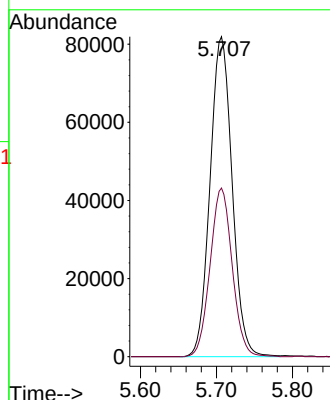
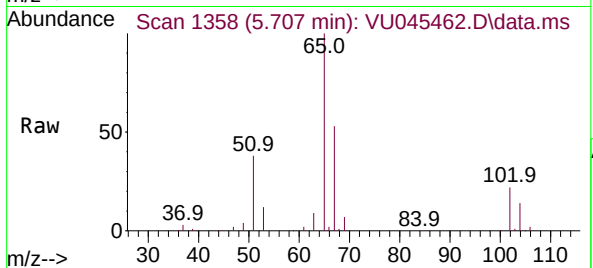
BP-VPB-RW9-GW-258-260

Tgt Ion: 65 Resp: 165448

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

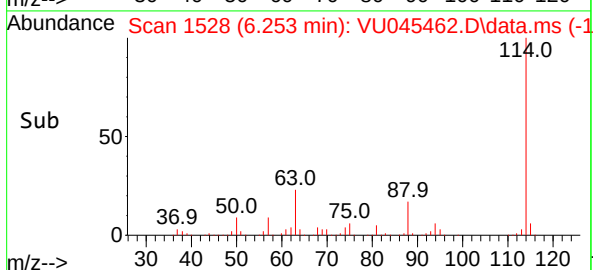
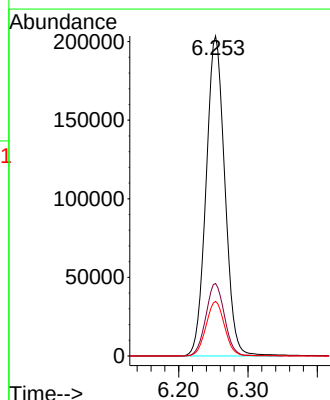
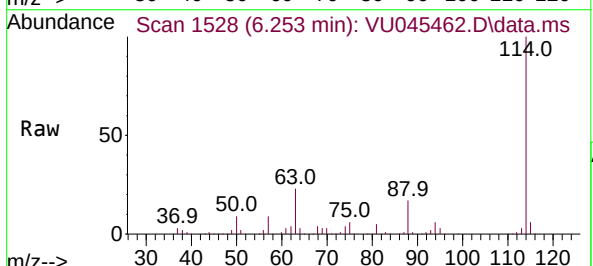
Tgt Ion: 114 Resp: 380467

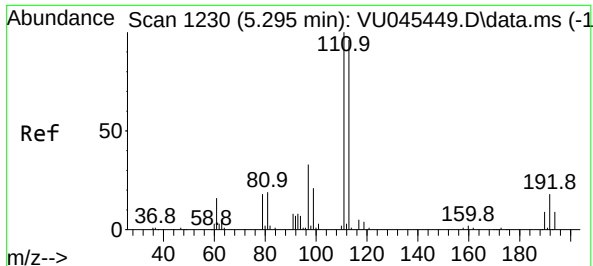
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.530 ug/l

RT: 5.295 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

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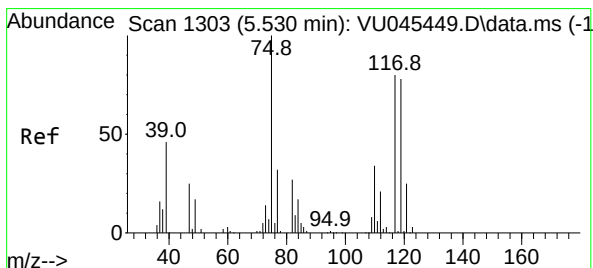
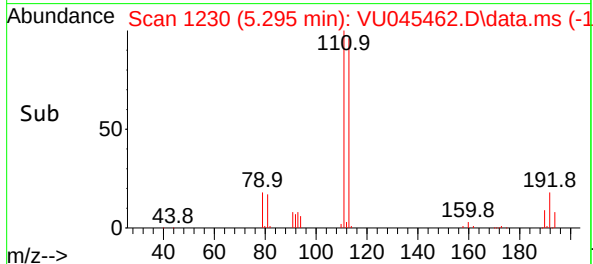
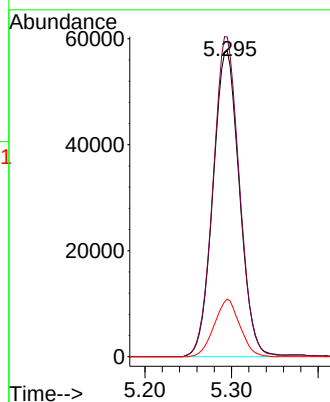
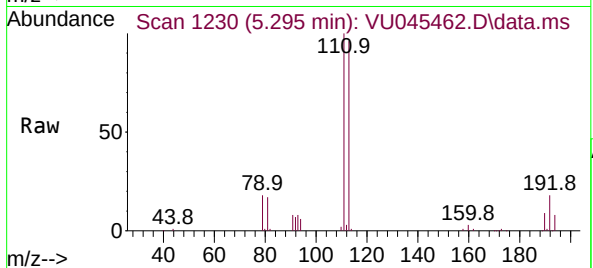
Tgt Ion:113 Resp: 122242

Ion Ratio Lower Upper

113 100

111 103.9 82.8 124.2

192 18.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.867 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

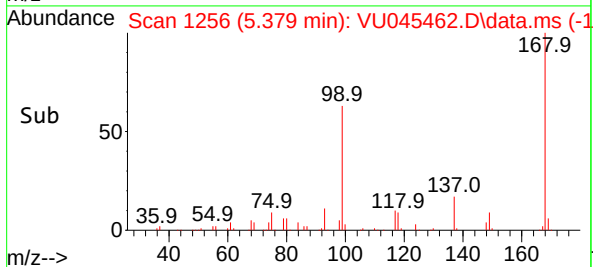
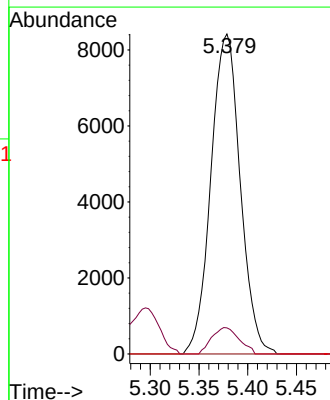
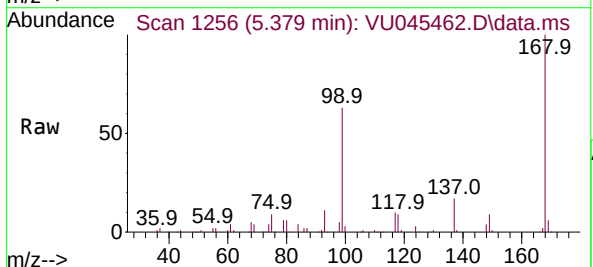
Tgt Ion: 75 Resp: 17628

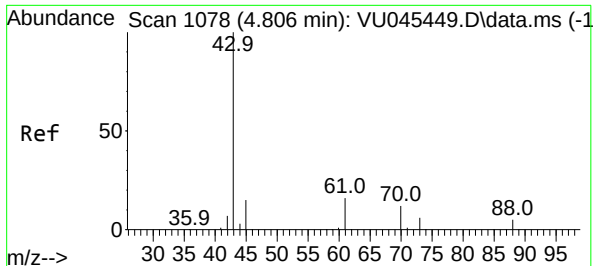
Ion Ratio Lower Upper

75 100

110 7.7 16.7 50.0#

77 0.0 25.0 37.4#

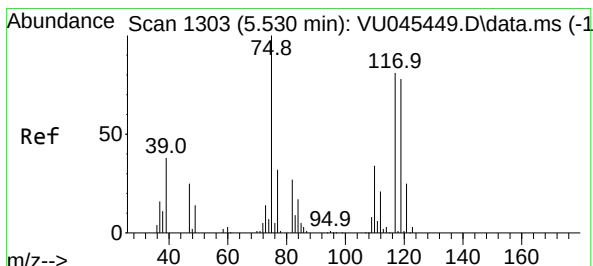
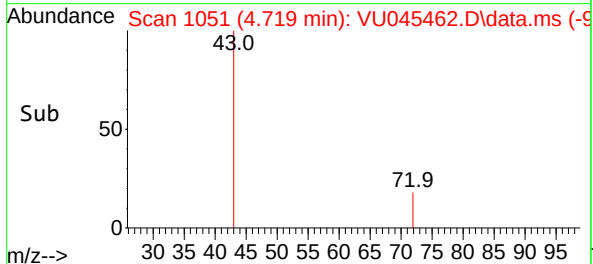
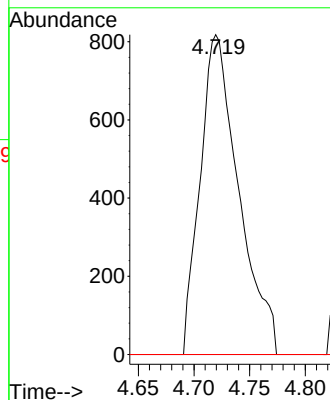
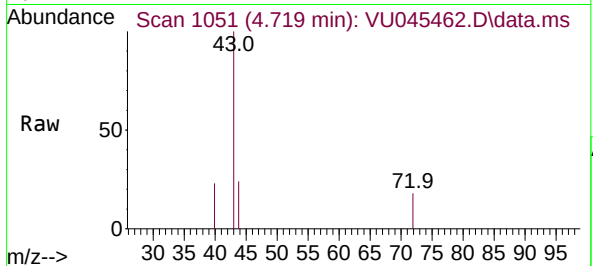




#37
Ethyl Acetate
Concen: 0.450 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. -0.087 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

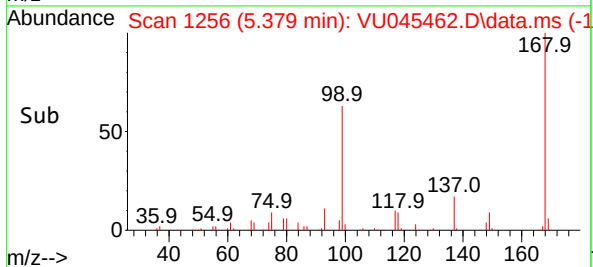
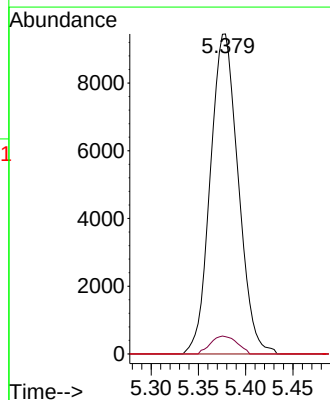
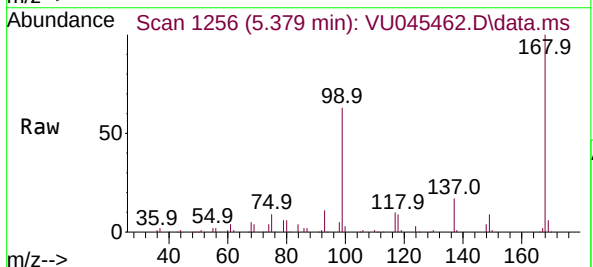
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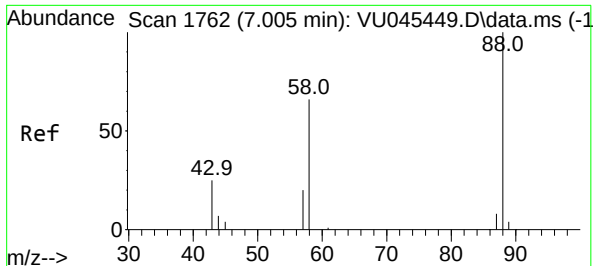
Tgt Ion: 43 Resp: 1973
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 6.152 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion: 117 Resp: 19432
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.0#
121 0.0 24.8 37.2#

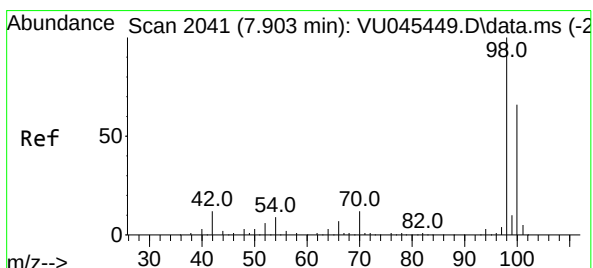
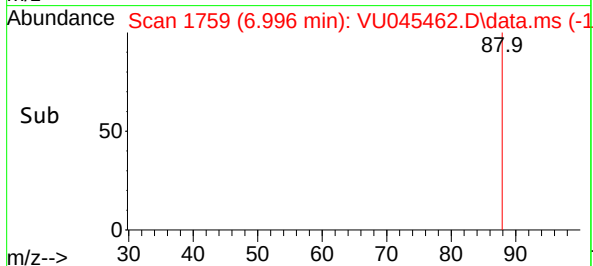
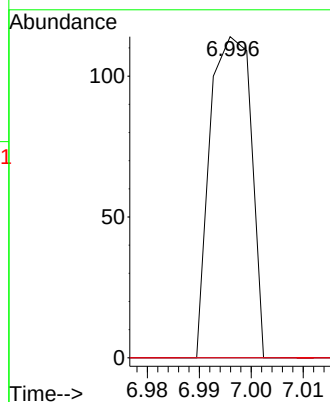
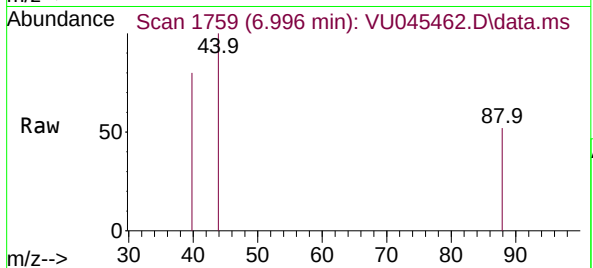




#49
1,4-Dioxane
Concen: 0.779 ug/l
RT: 6.996 min Scan# 1759
Delta R.T. -0.010 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

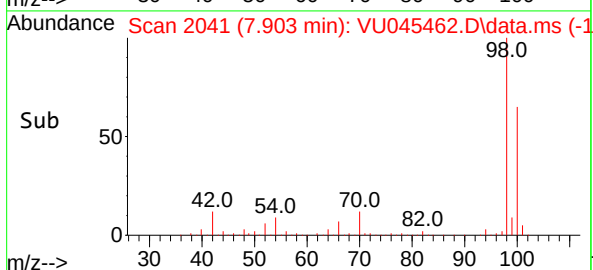
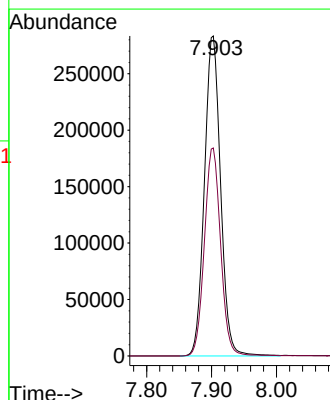
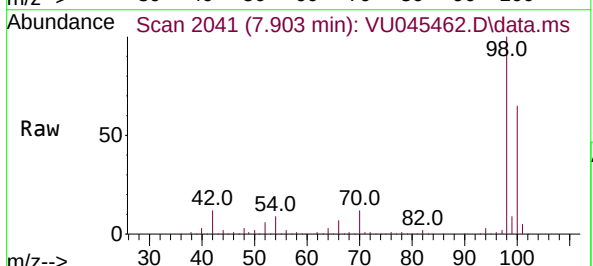
Instrument :
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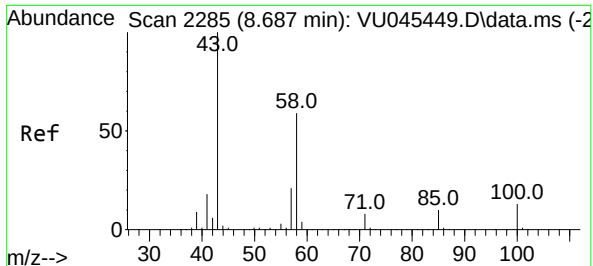
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 58.7 88.1#



#50
Toluene-d8
Concen: 51.860 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion: 98 Resp: 491977
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

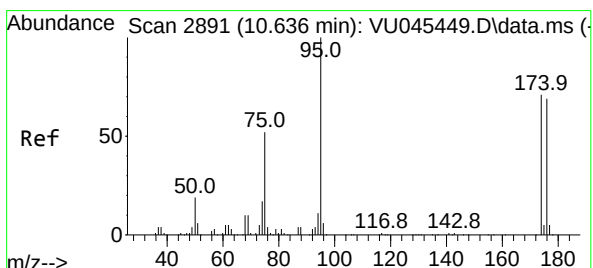
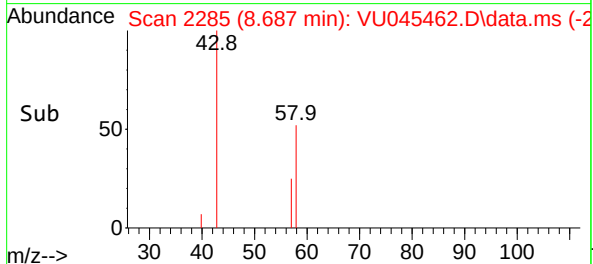
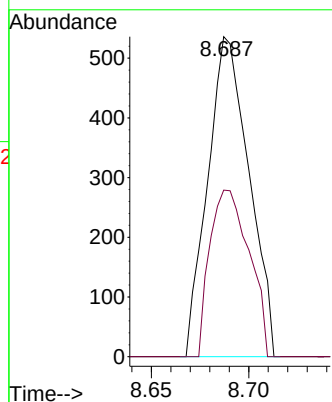
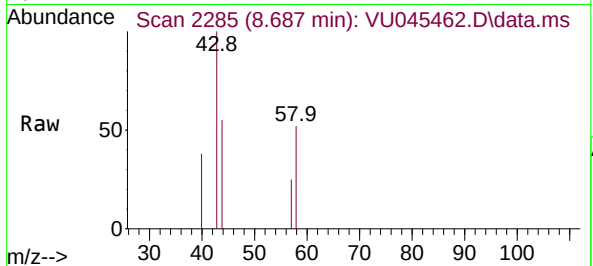




#59
2-Hexanone
Concen: 0.238 ug/l
RT: 8.687 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

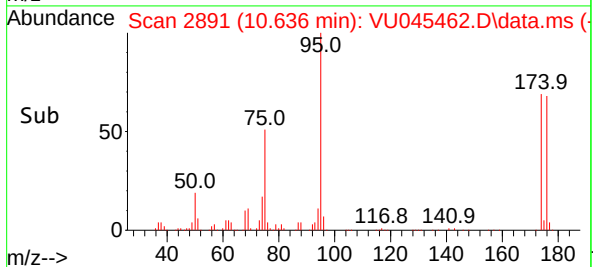
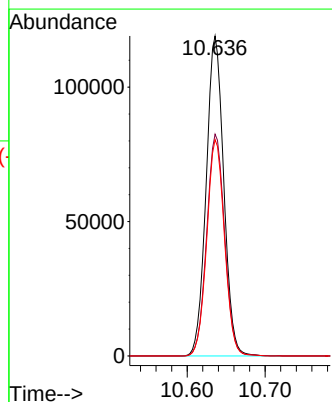
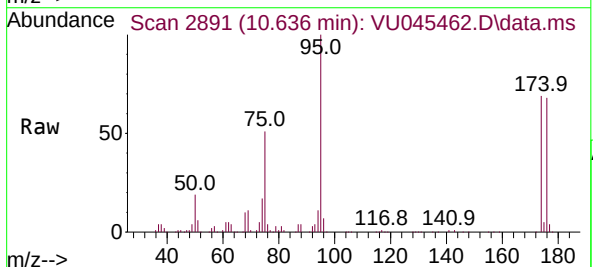
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-258-260

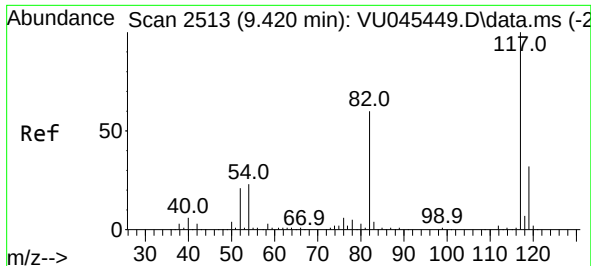
Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
58 49.7 29.5 88.6



#62
4-Bromofluorobenzene
Concen: 51.490 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion: 95 Resp: 186134
Ion Ratio Lower Upper
95 100
174 70.9 0.0 141.8
176 68.1 0.0 138.2

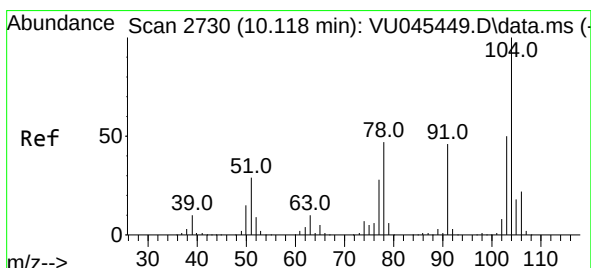
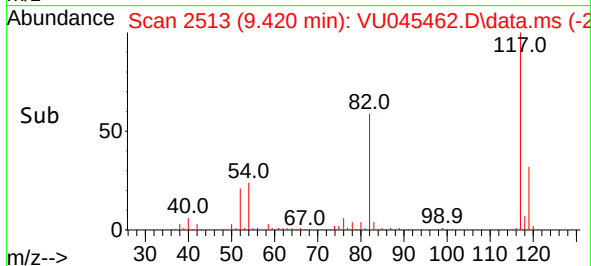
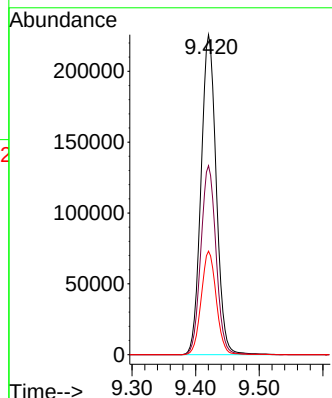
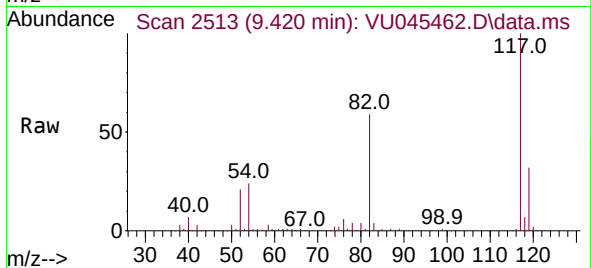




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

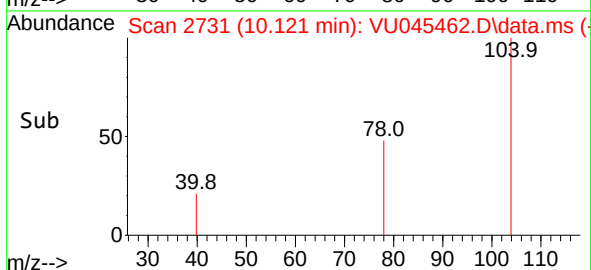
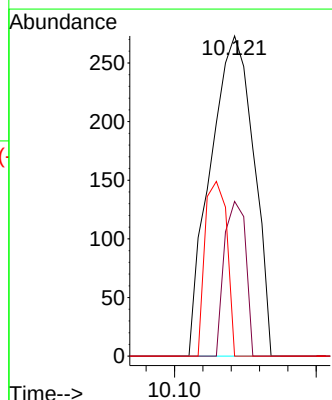
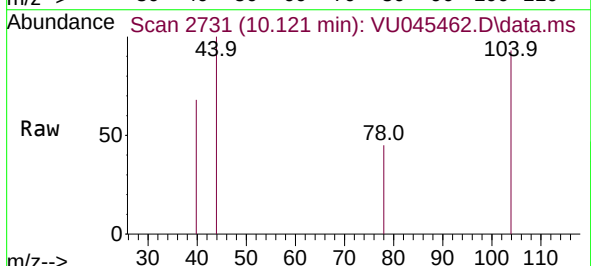
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-258-260

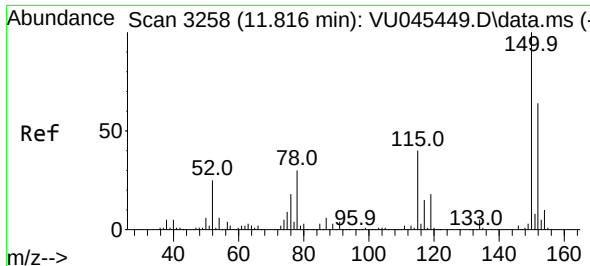
Tgt Ion:117 Resp: 374854
Ion Ratio Lower Upper
117 100
82 59.1 47.8 71.8
119 32.4 25.8 38.8



#70
Styrene
Concen: 1.008 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. 0.003 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion:104 Resp: 290
Ion Ratio Lower Upper
104 100
78 23.8 41.8 62.6#
103 27.2 43.8 65.6#

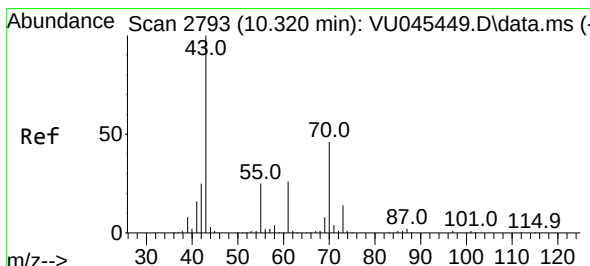
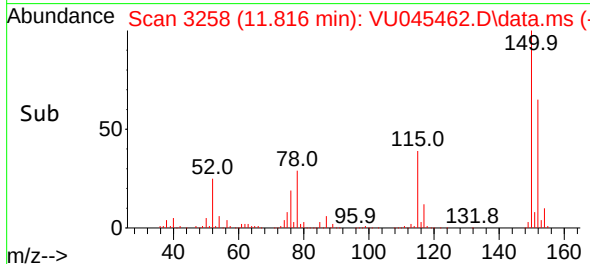
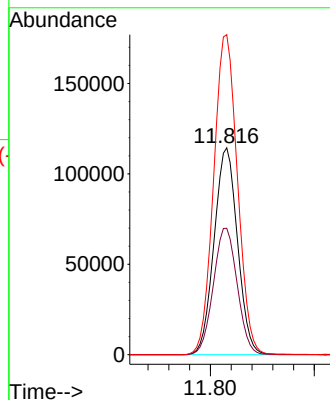
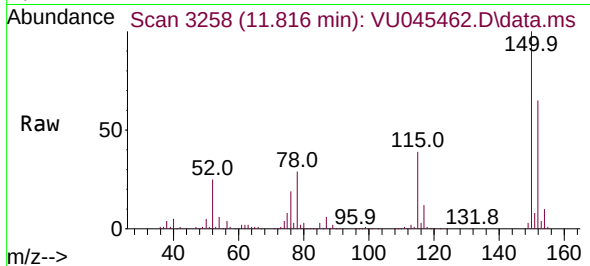




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

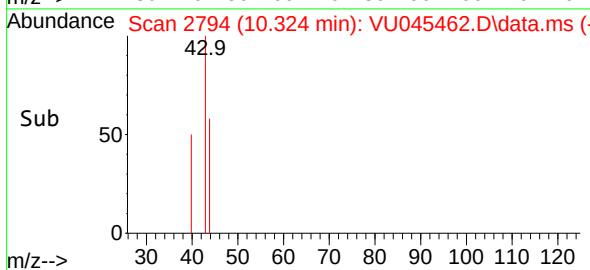
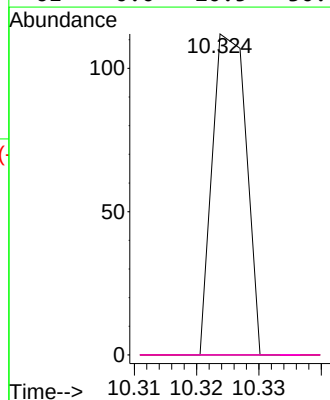
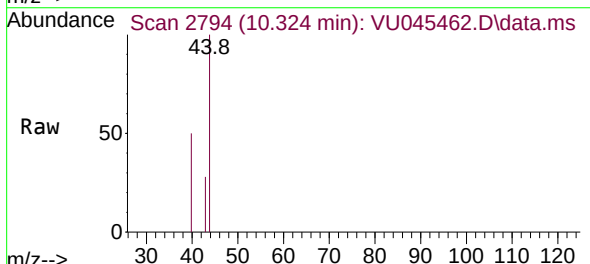
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-258-260

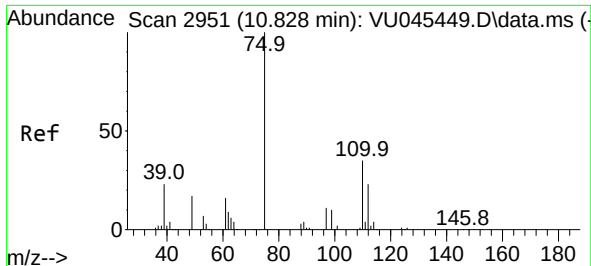
Tgt Ion:152 Resp: 179208
Ion Ratio Lower Upper
152 100
115 62.3 42.7 128.1
150 157.2 0.0 346.8



#74
N-ethyl acetate
Concen: 1.162 ug/l
RT: 10.324 min Scan# 2794
Delta R.T. 0.004 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion: 43 Resp: 42
Ion Ratio Lower Upper
43 100
70 0.0 36.9 55.3#
55 0.0 20.6 31.0#
61 0.0 20.5 30.7#

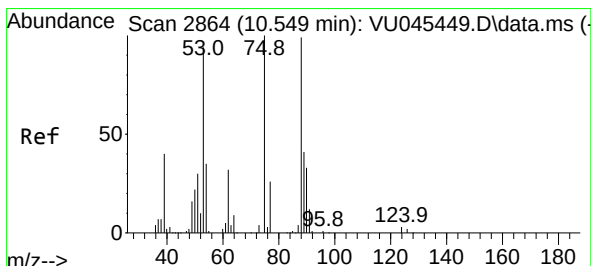
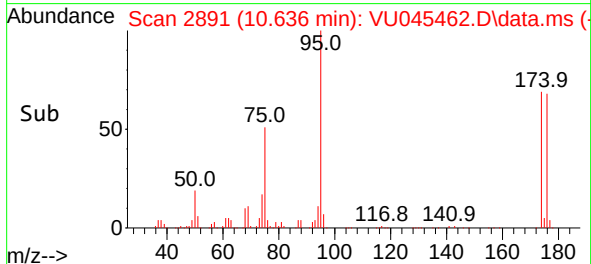
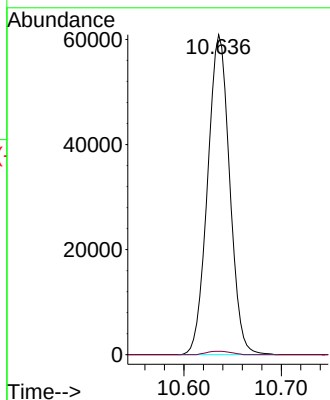
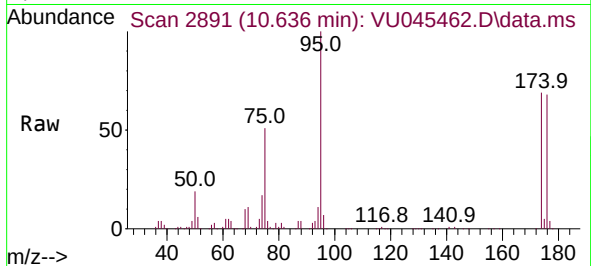




#76
1,2,3-Trichloropropane
Concen: 20.073 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

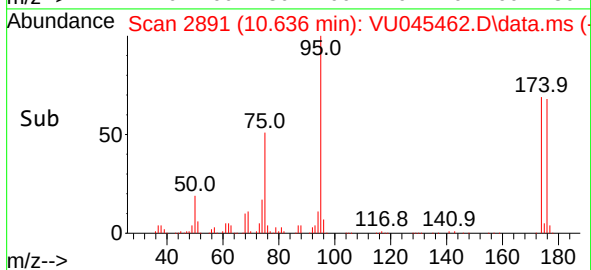
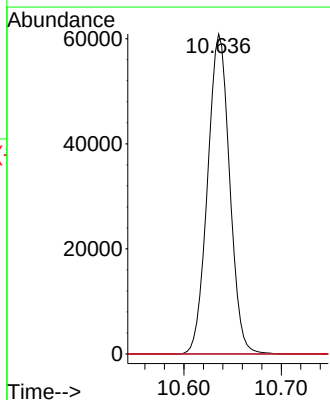
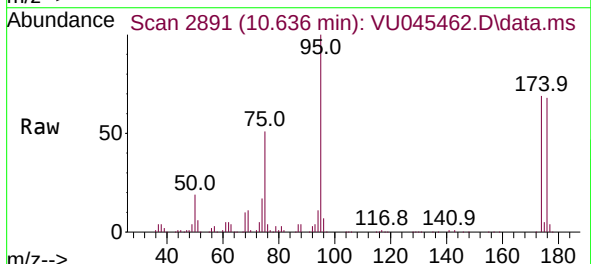
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-258-260

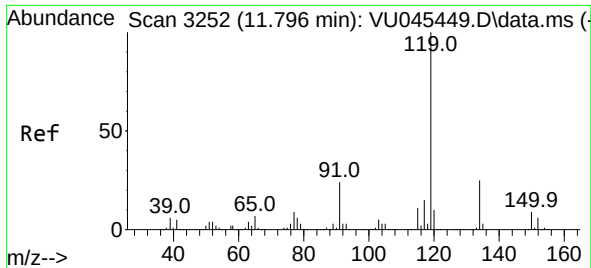
Tgt Ion: 75 Resp: 95847
Ion Ratio Lower Upper
75 100
77 1.2 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.745 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.087 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion: 75 Resp: 95847
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#

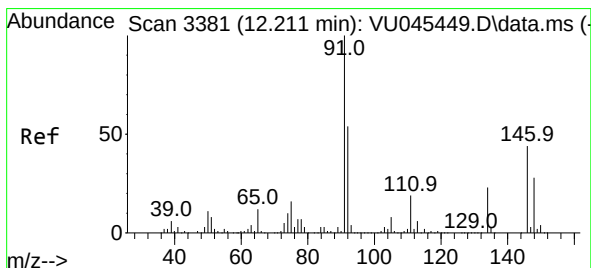
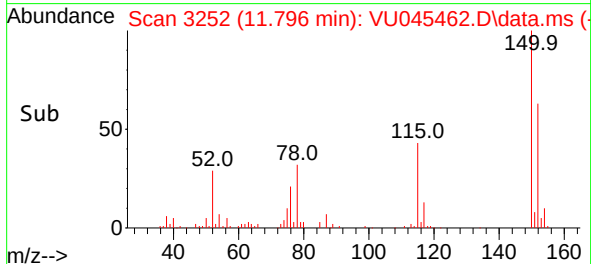
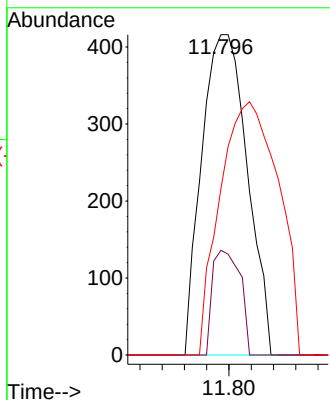
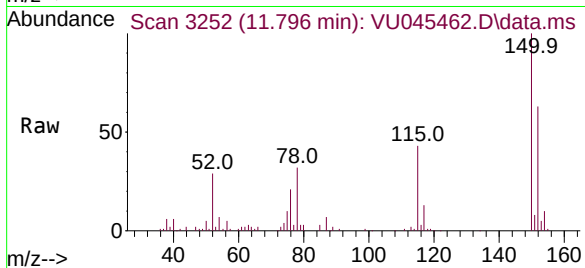




#86
p-Isopropyltoluene
Concen: 0.240 ug/l
RT: 11.796 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

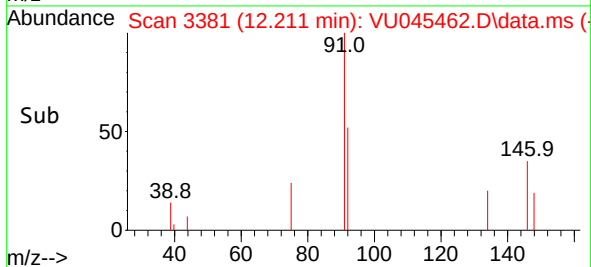
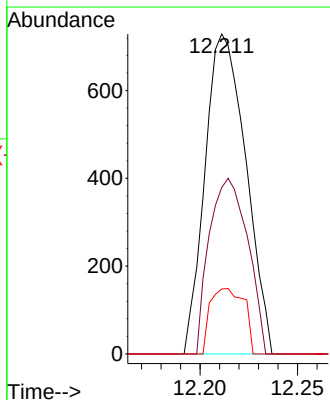
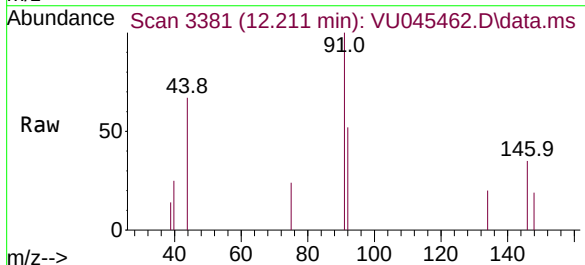
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-258-260

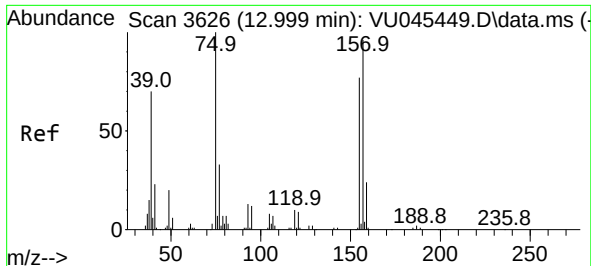
Tgt Ion:119 Resp: 591
Ion Ratio Lower Upper
119 100
134 19.8 12.7 38.1
91 101.7 12.2 36.4#



#89
n-Butylbenzene
Concen: 1.031 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU045462.D
Acq: 29 Oct 2021 14:35

Tgt Ion: 91 Resp: 1061
Ion Ratio Lower Upper
91 100
92 51.6 27.1 81.2
134 16.9 11.8 35.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.210 ug/l

RT: 12.780 min Scan# 31

Delta R.T. -0.219 min

Lab File: VU045462.D

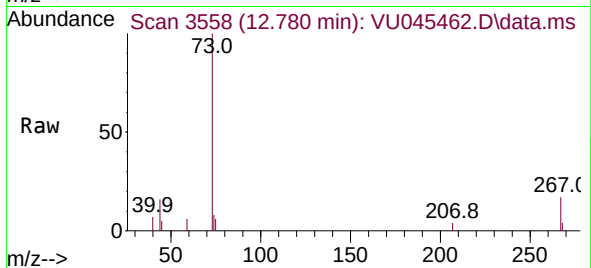
Acq: 29 Oct 2021 14:35

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-GW-258-260



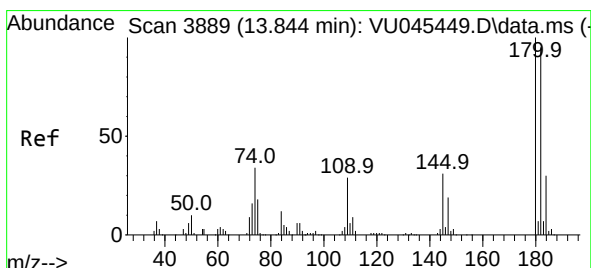
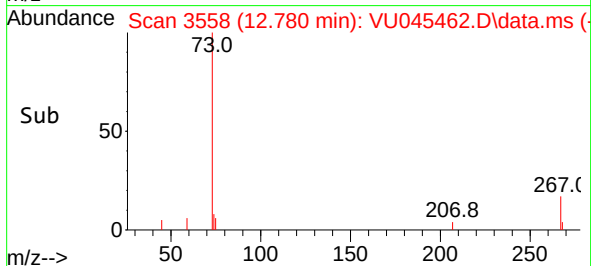
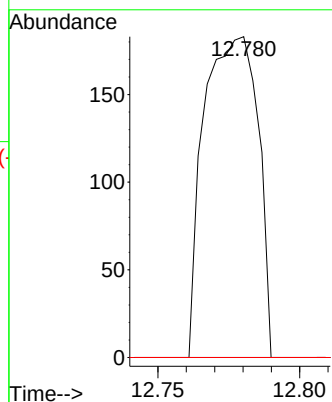
Tgt Ion: 75 Resp: 242

Ion Ratio Lower Upper

75 100

155 0.0 37.8 113.3#

157 0.0 48.4 145.2#



#93

1,2,4-Trichlorobenzene

Concen: 0.206 ug/l

RT: 13.851 min Scan# 3891

Delta R.T. 0.007 min

Lab File: VU045462.D

Acq: 29 Oct 2021 14:35

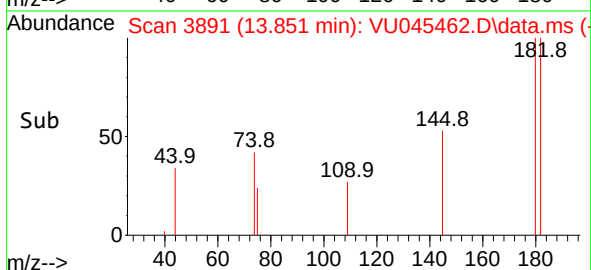
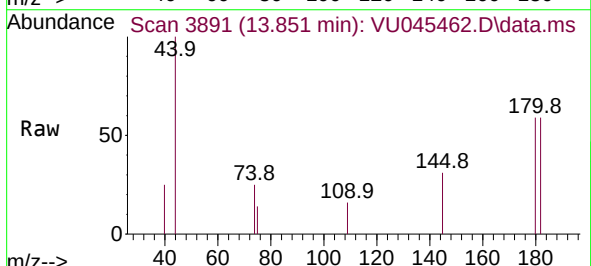
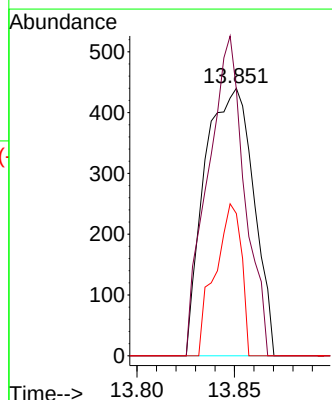
Tgt Ion:180 Resp: 768

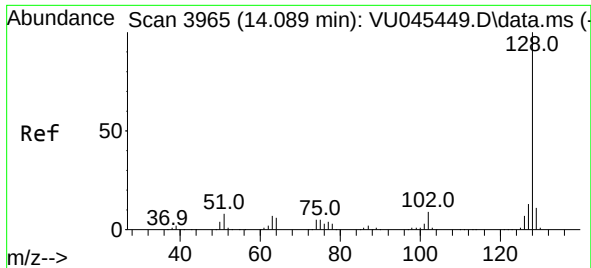
Ion Ratio Lower Upper

180 100

182 89.8 47.0 141.2

145 30.6 15.6 46.7





#95

Naphthalene

Concen: 0.205 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.003 min

Lab File: VU045462.D

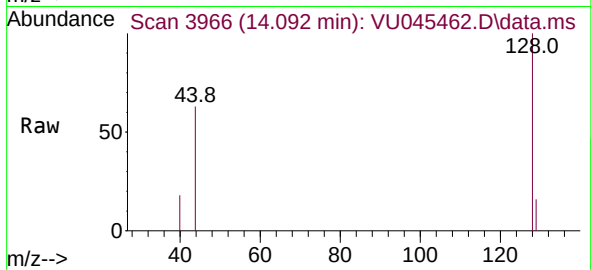
Acq: 29 Oct 2021 14:35

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:128 Resp: 1547

Ion Ratio Lower Upper

128 100

127 3.2 10.6 15.8#

129 8.0 8.6 13.0#

