

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110221\
 Data File : VU045494.D
 Acq On : 01 Nov 2021 18:07
 Operator : SY/MD
 Sample : M4431-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW9-TB-20211027

Quant Time: Nov 02 07:35:33 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	193562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	381479	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	367954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	177201	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	162957	51.712	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.420%	
35) Dibromofluoromethane	5.295	113	120416	49.643	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.280%	
50) Toluene-d8	7.903	98	485279	51.019	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.040%	
62) 4-Bromofluorobenzene	10.636	95	183071	50.508	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.020%	

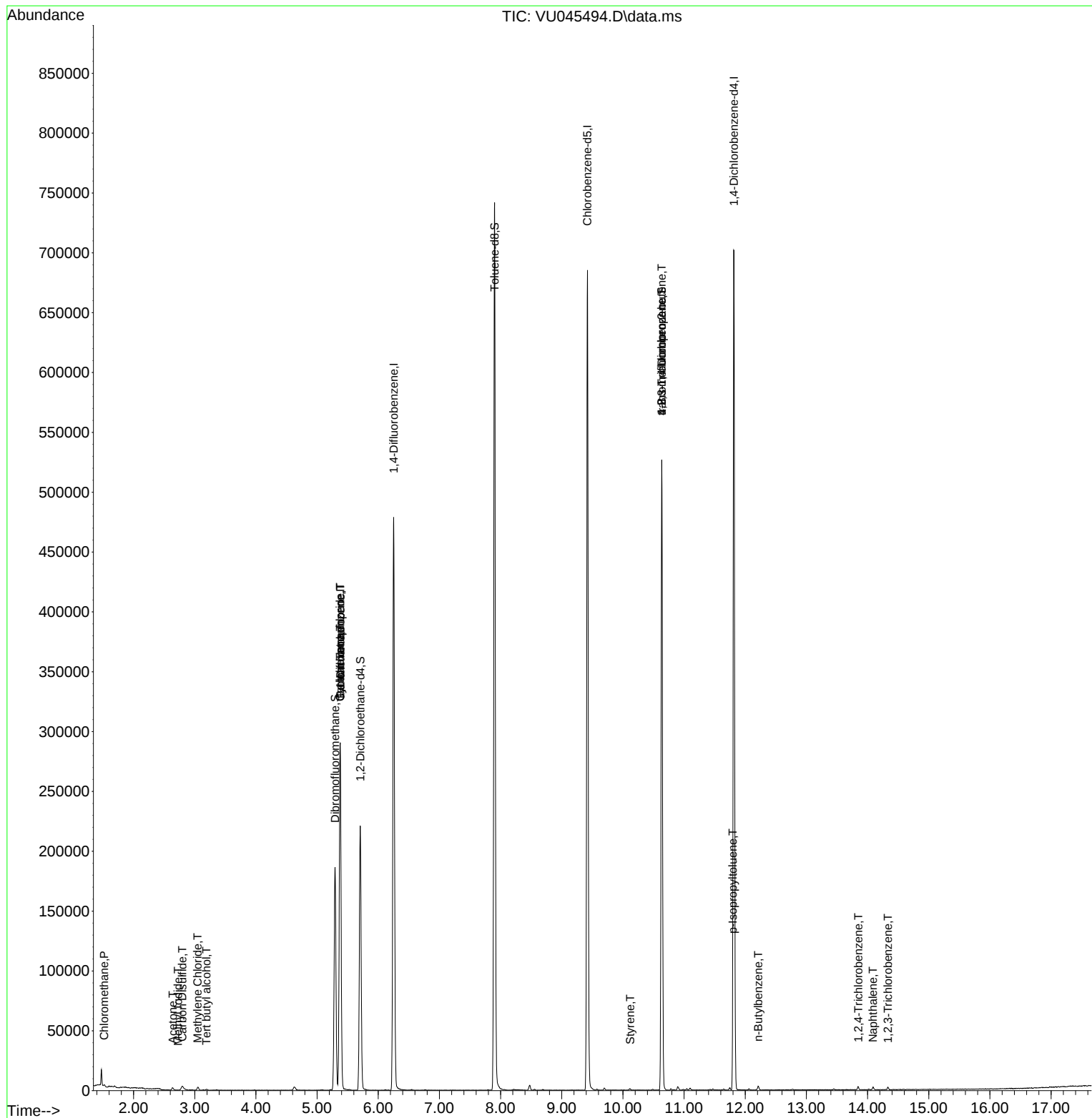
Target Compounds			Qvalue			
3) Chloromethane	1.520	50	1043	0.271	ug/l	98
10) Methyl Iodide	2.726	142	40	9.370	ug/l #	43
11) Tert butyl alcohol	3.189	59	775	1.139	ug/l #	72
16) Acetone	2.642	43	2554	1.785	ug/l	98
17) Carbon Disulfide	2.797	76	1481	0.230	ug/l	96
20) Methylene Chloride	3.047	84	1355	0.475	ug/l	97
31) Cyclohexane	5.375	56	4670	0.995	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	17396	4.790	ug/l #	49
38) Carbon Tetrachloride	5.375	117	20099	6.346	ug/l #	15
70) Styrene	10.121	104	599	1.044	ug/l #	65
76) 1,2,3-Trichloropropane	10.636	75	93524	19.809	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	93524	55.046	ug/l #	12
86) p-Isopropyltoluene	11.793	119	751	0.254	ug/l #	50
89) n-Butylbenzene	12.211	91	1429	1.065	ug/l	94
93) 1,2,4-Trichlorobenzene	13.848	180	993	0.269	ug/l	81
95) Naphthalene	14.089	128	2400	0.265	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.333	180	814	0.219	ug/l	97

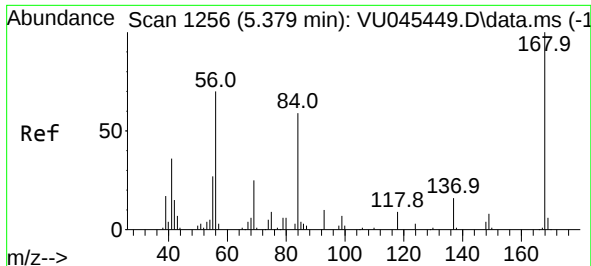
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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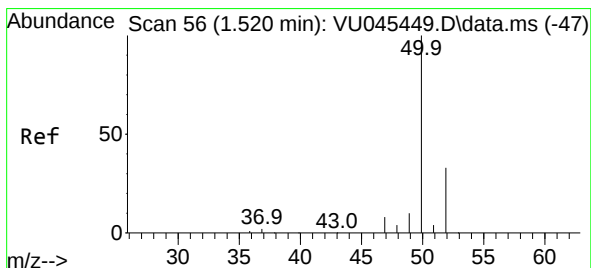
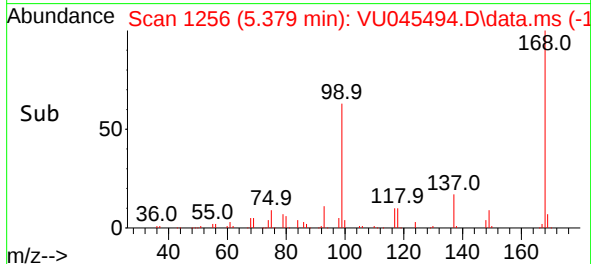
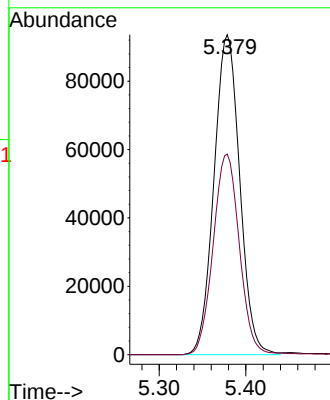
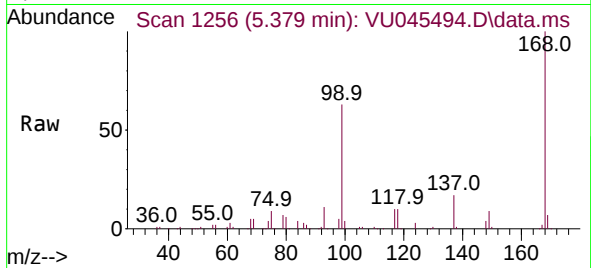




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

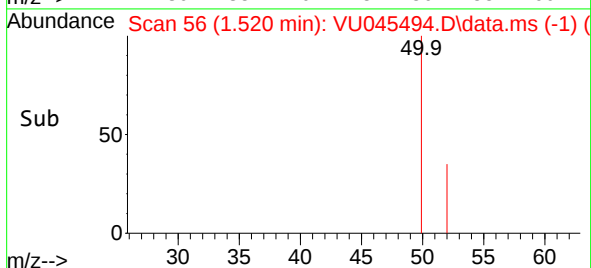
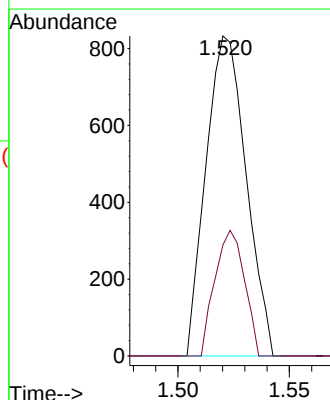
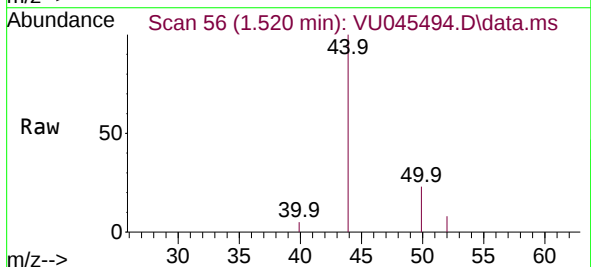
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211027

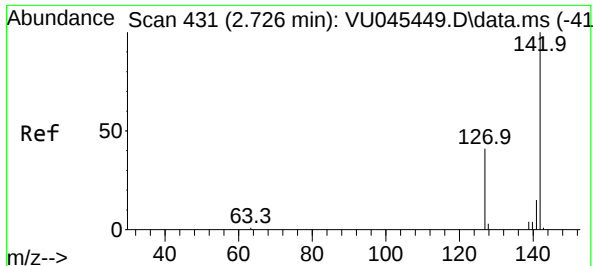
Tgt Ion:168 Resp: 193562
Ion Ratio Lower Upper
168 100
99 62.7 51.0 76.6



#3
Chloromethane
Concen: 0.271 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

Tgt Ion: 50 Resp: 1043
Ion Ratio Lower Upper
50 100
52 34.7 26.6 40.0

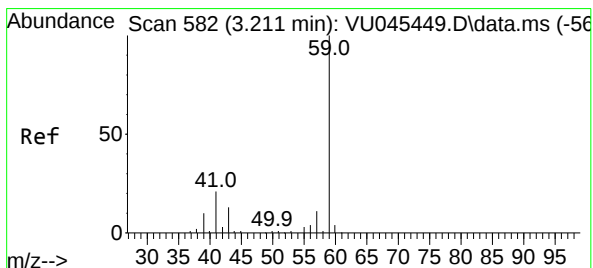
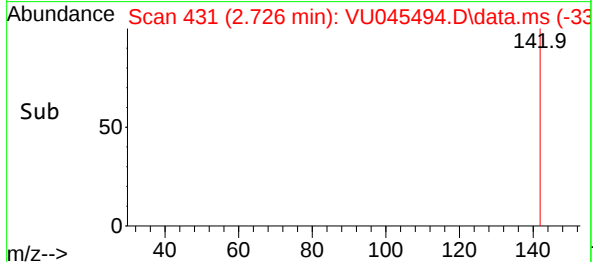
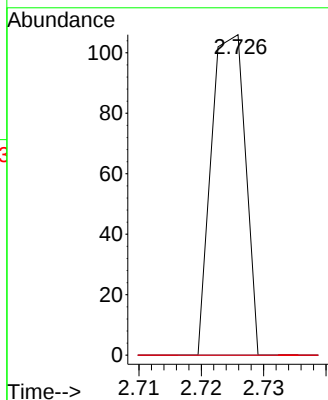
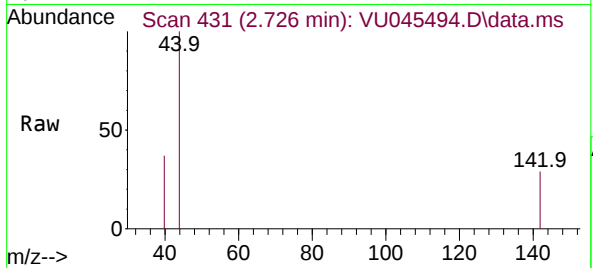




#10
Methyl Iodide
Concen: 9.370 ug/l
RT: 2.726 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

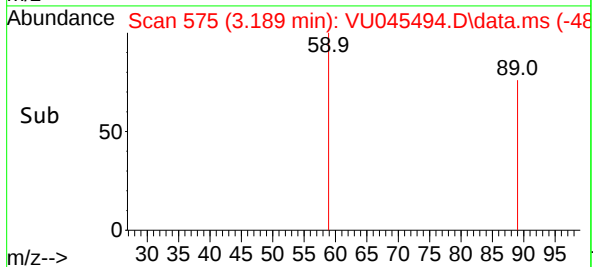
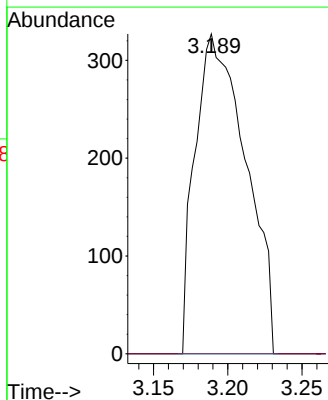
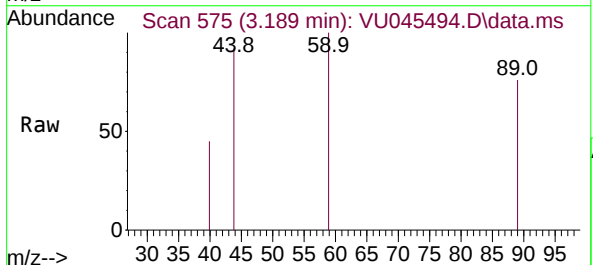
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211027

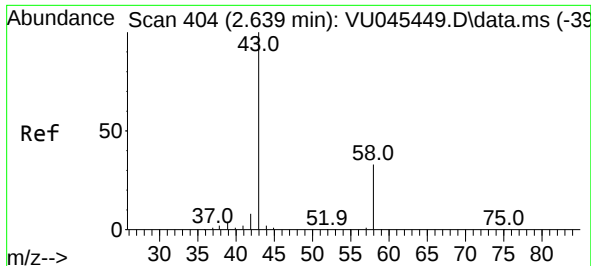
Tgt Ion:142 Resp: 40
Ion Ratio Lower Upper
142 100
127 0.0 32.2 48.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.139 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.022 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

Tgt Ion: 59 Resp: 775
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.785 ug/l

RT: 2.642 min Scan# 405

Delta R.T. 0.003 min

Lab File: VU045494.D

Acq: 01 Nov 2021 18:07

Instrument :

MSVOA_U

ClientSampleId :

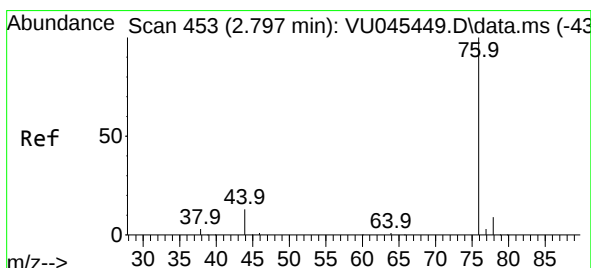
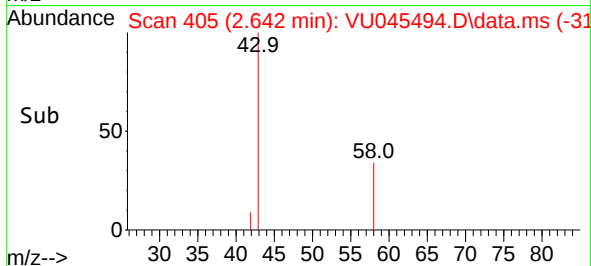
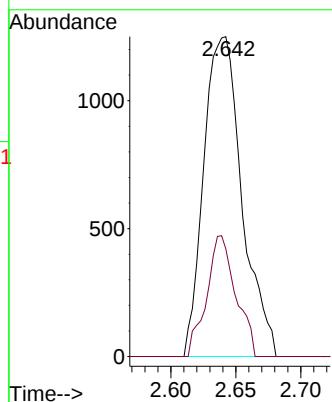
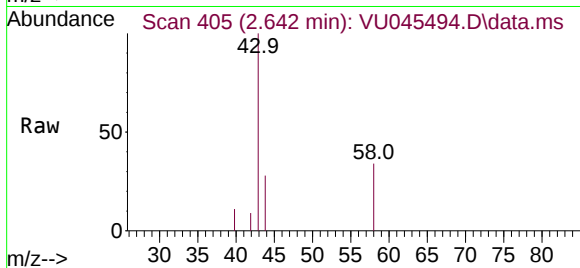
BP-VPB-RW9-TB-20211027

Tgt Ion: 43 Resp: 2554

Ion Ratio Lower Upper

43 100

58 33.7 26.2 39.2



#17

Carbon Disulfide

Concen: 0.230 ug/l

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU045494.D

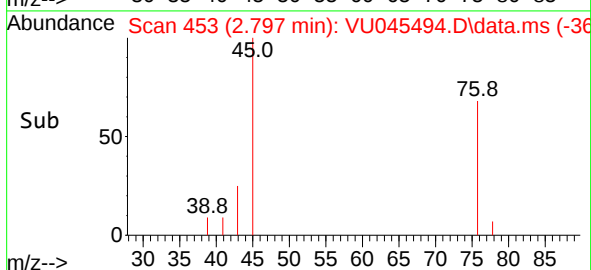
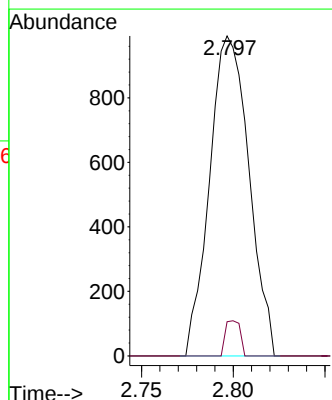
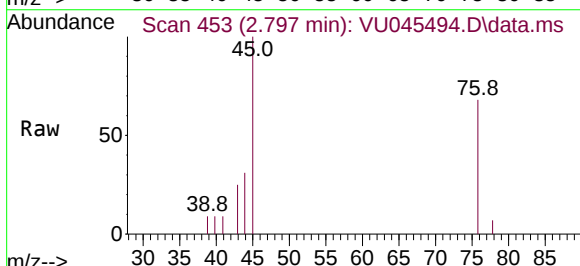
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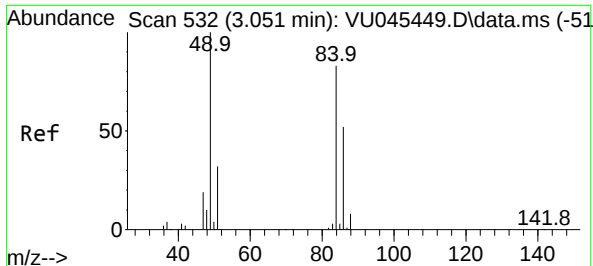
Tgt Ion: 76 Resp: 1481

Ion Ratio Lower Upper

76 100

78 10.7 7.3 10.9

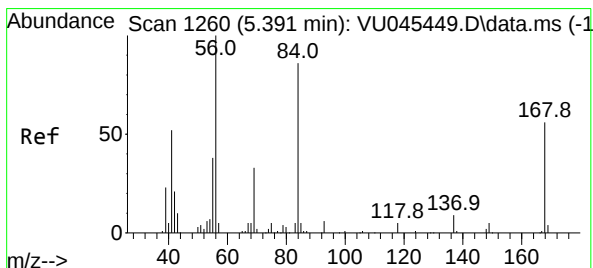
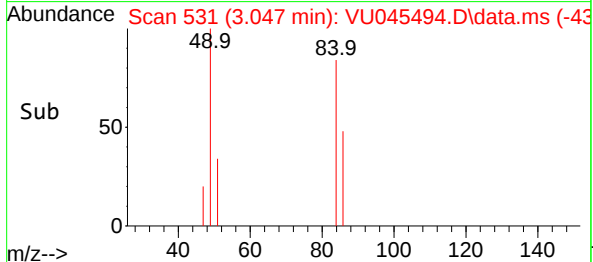
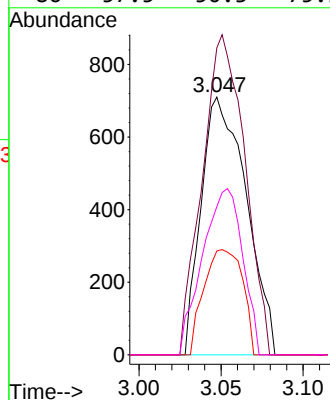
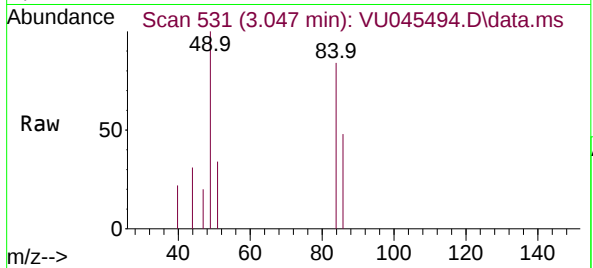




#20
Methylene Chloride
Concen: 0.475 ug/l
RT: 3.047 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

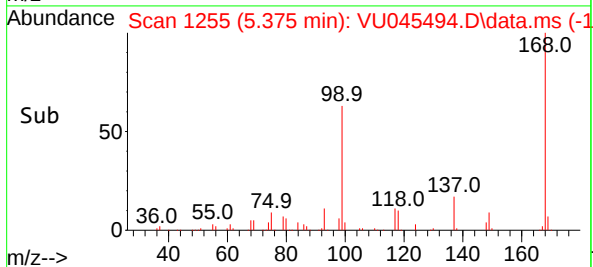
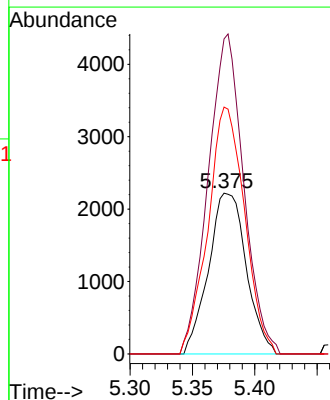
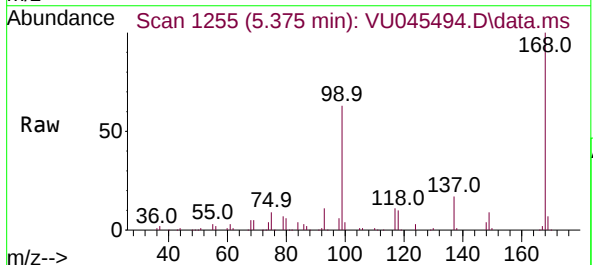
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211027

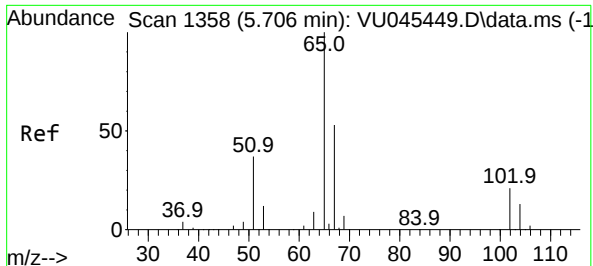
Tgt Ion:	84	Resp:	1355
Ion	Ratio	Lower	Upper
84	100		
49	119.2	96.4	144.6
51	40.3	30.5	45.7
86	57.5	50.3	75.5



#31
Cyclohexane
Concen: 0.995 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

Tgt Ion:	56	Resp:	4670
Ion	Ratio	Lower	Upper
56	100		
69	195.9	26.4	39.6#
84	153.6	68.4	102.6#





#33

1,2-Dichloroethane-d4

Concen: 51.712 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045494.D

Acq: 01 Nov 2021 18:07

Instrument :

MSVOA_U

ClientSampleId :

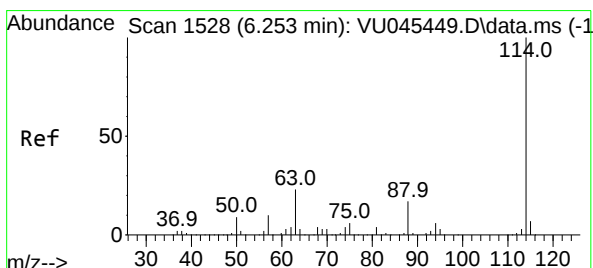
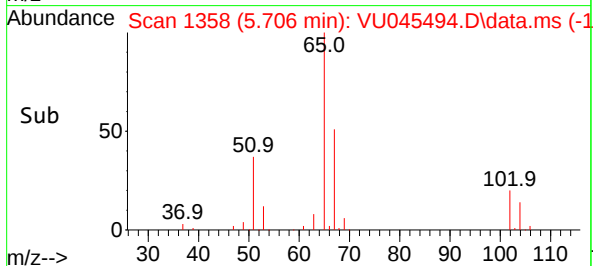
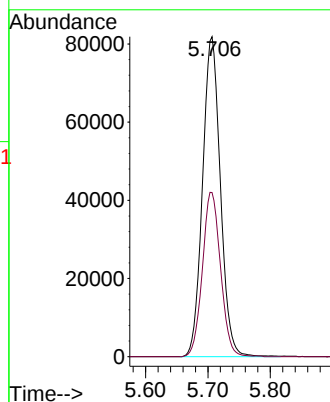
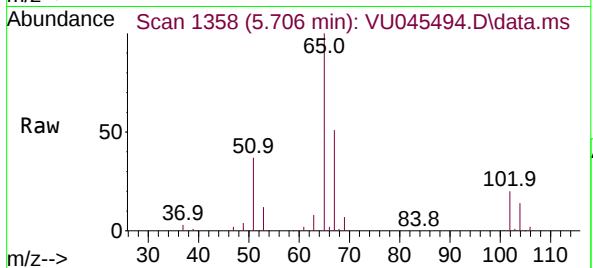
BP-VPB-RW9-TB-20211027

Tgt Ion: 65 Resp: 162957

Ion Ratio Lower Upper

65 100

67 52.1 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: VU045494.D

Acq: 01 Nov 2021 18:07

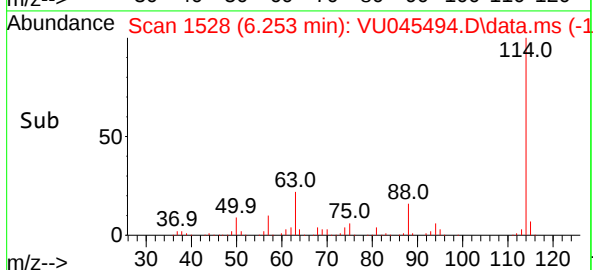
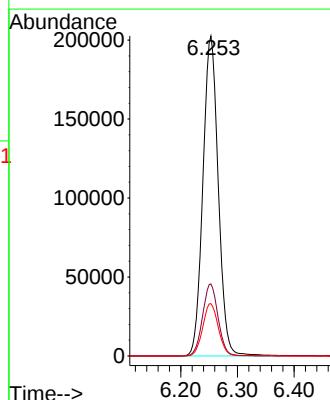
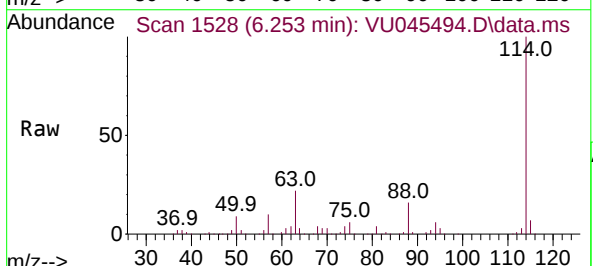
Tgt Ion: 114 Resp: 381479

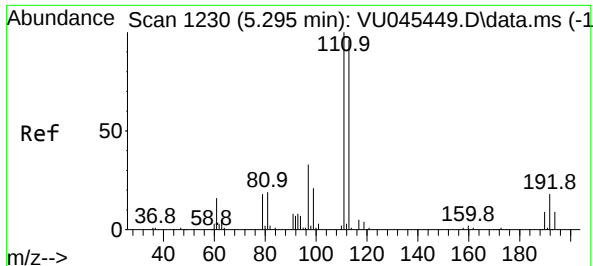
Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.6

88 16.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.643 ug/l

RT: 5.295 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045494.D

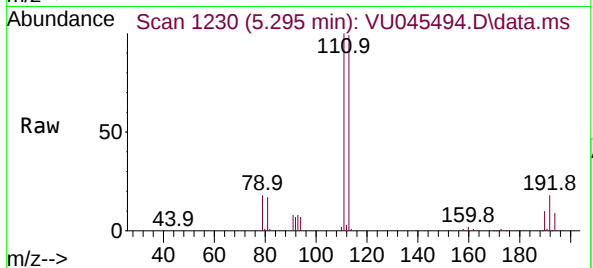
Acq: 01 Nov 2021 18:07

Instrument :

MSVOA_U

ClientSampleId :

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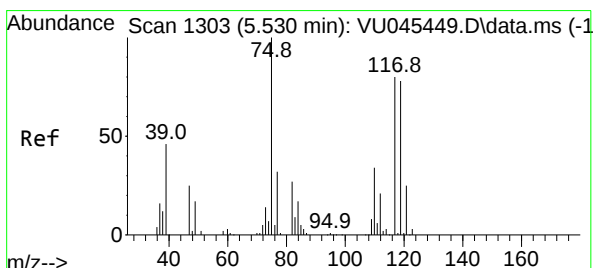
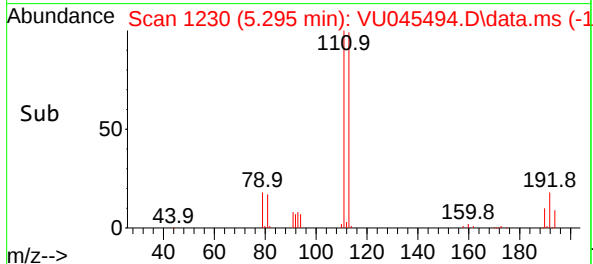
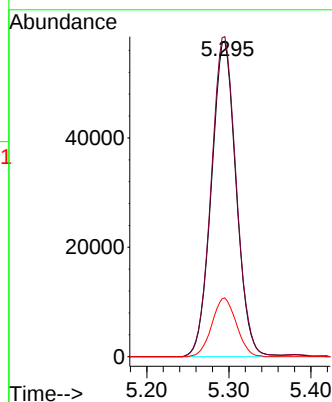
Tgt Ion:113 Resp: 120416

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 18.4 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.790 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045494.D

Acq: 01 Nov 2021 18:07

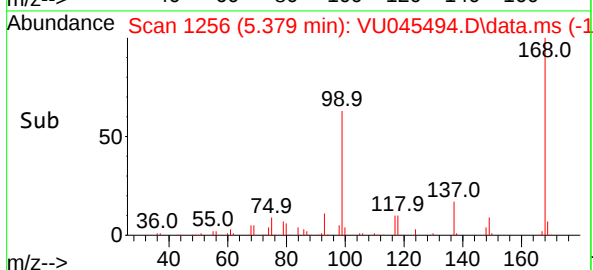
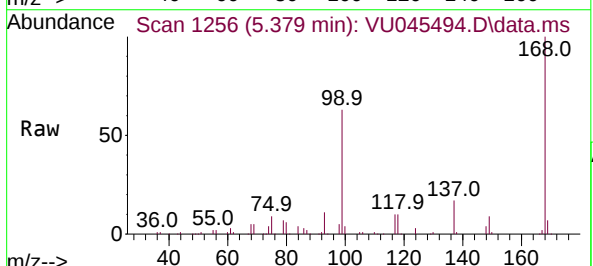
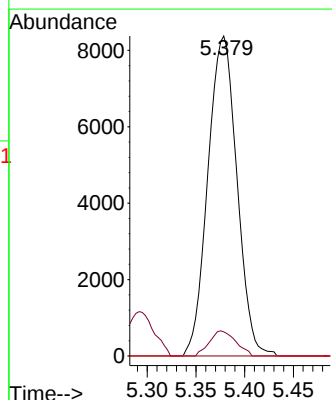
Tgt Ion: 75 Resp: 17396

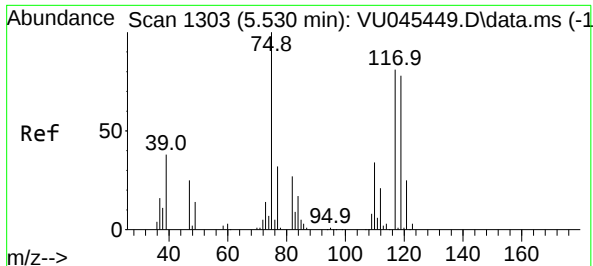
Ion Ratio Lower Upper

75 100

110 7.1 16.7 50.0#

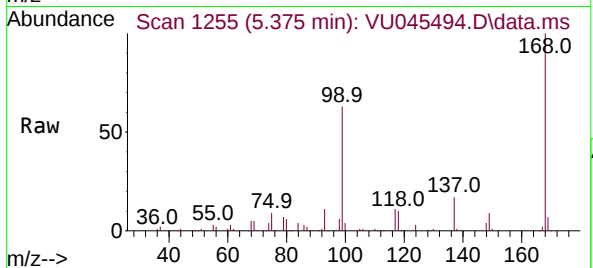
77 0.0 25.0 37.4#



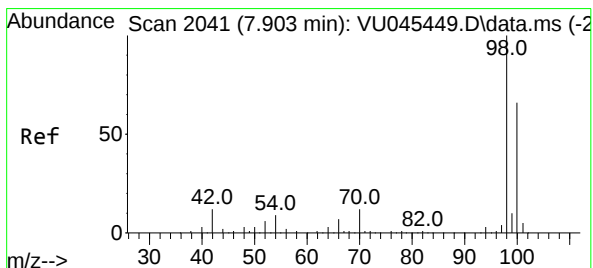
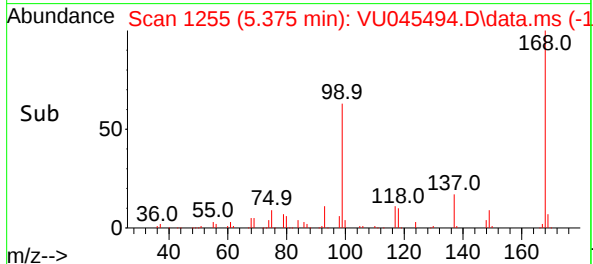
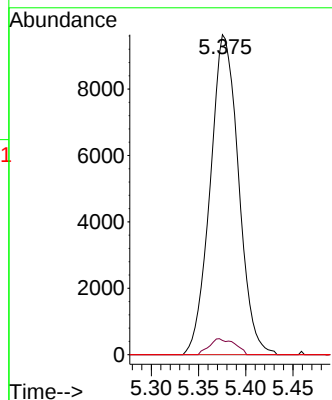


#38
Carbon Tetrachloride
Concen: 6.346 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

Instrument : MSVOA_U
ClientSampleId : BP-VPB-RW9-TB-20211027

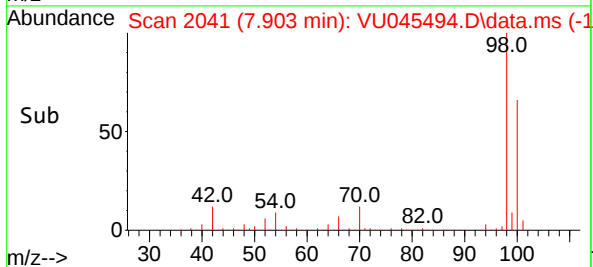
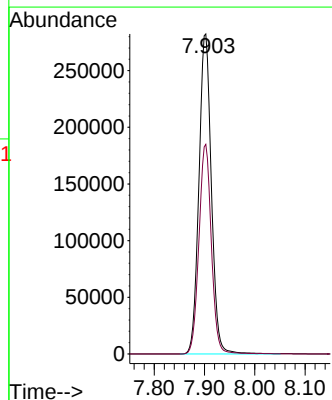
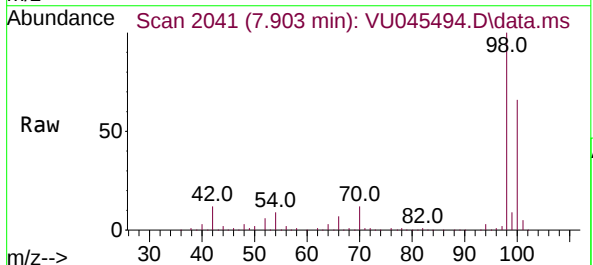


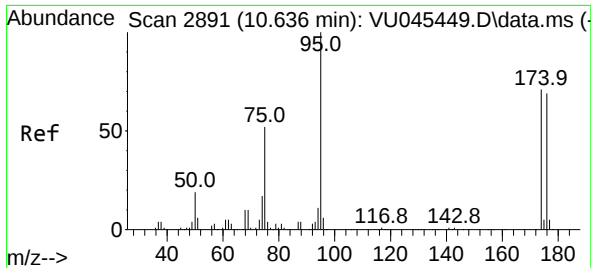
Tgt Ion:117 Resp: 20099
Ion Ratio Lower Upper
117 100
119 4.4 77.4 116.0#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.019 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

Tgt Ion: 98 Resp: 485279
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

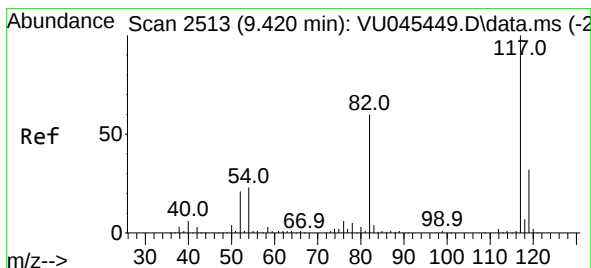
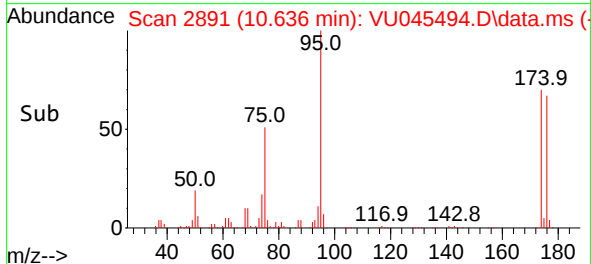
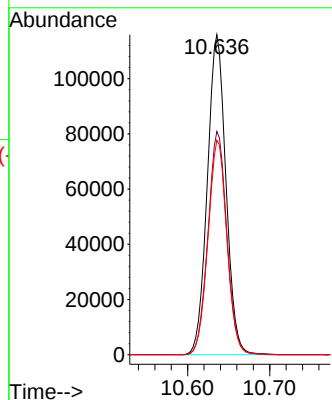
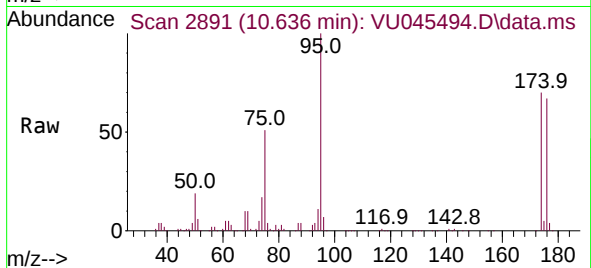




#62
4-Bromofluorobenzene
Concen: 50.508 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

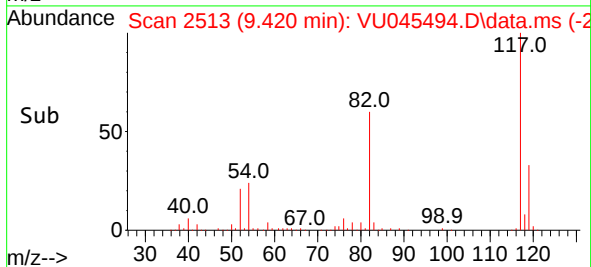
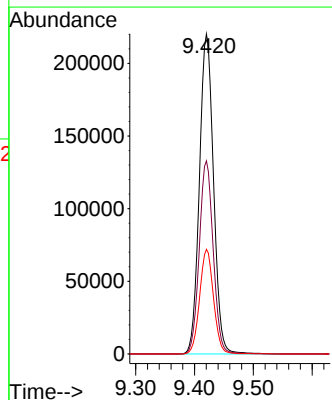
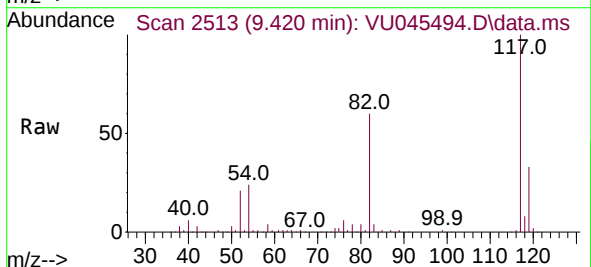
Instrument : MSVOA_U
ClientSampleId : BP-VPB-RW9-TB-20211027

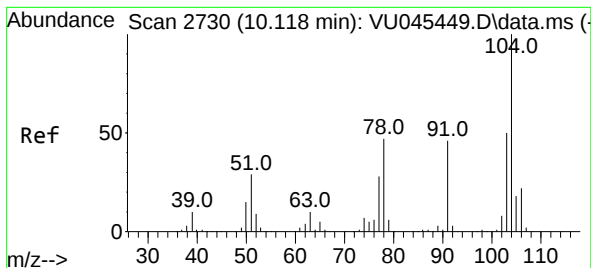
Tgt Ion: 95 Resp: 183071
Ion Ratio Lower Upper
95 100
174 70.7 0.0 141.8
176 67.8 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

Tgt Ion: 117 Resp: 367954
Ion Ratio Lower Upper
117 100
82 60.4 47.8 71.8
119 32.7 25.8 38.8





#70

Styrene

Concen: 1.044 ug/l

RT: 10.121 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU045494.D

Acq: 01 Nov 2021 18:07

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-TB-20211027

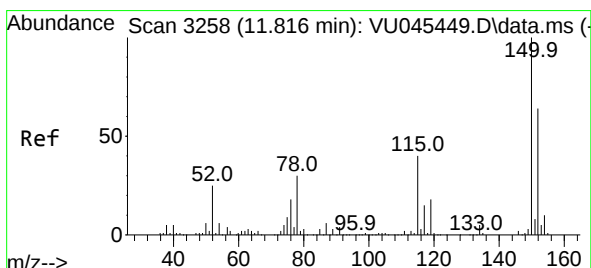
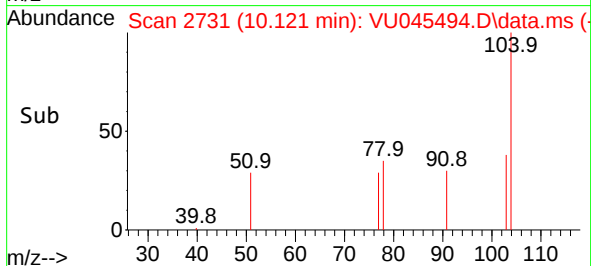
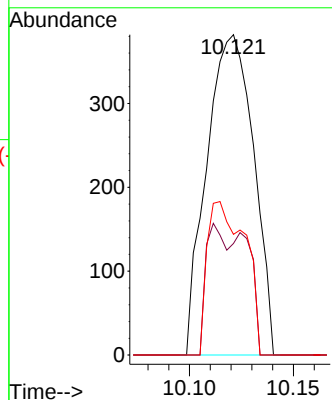
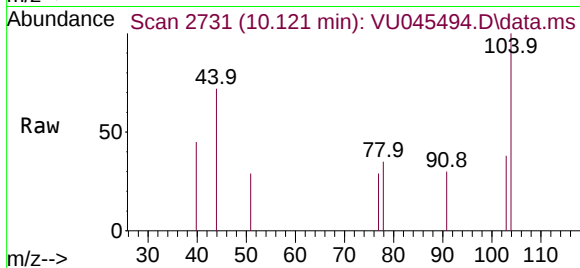
Tgt Ion:104 Resp: 599

Ion Ratio Lower Upper

104 100

78 18.0 41.8 62.6#

103 38.6 43.8 65.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.816 min Scan# 3258

Delta R.T. -0.000 min

Lab File: VU045494.D

Acq: 01 Nov 2021 18:07

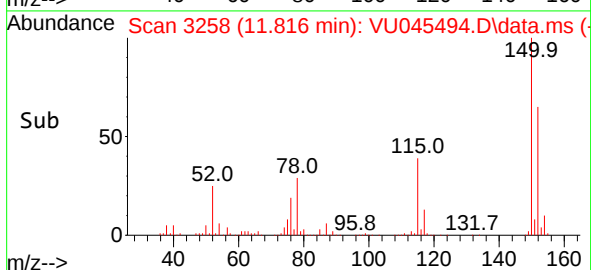
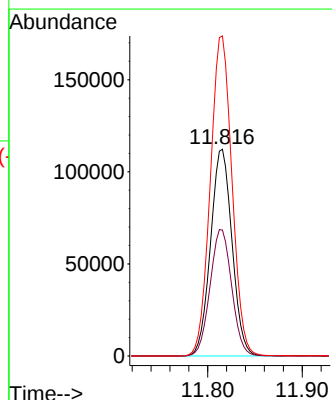
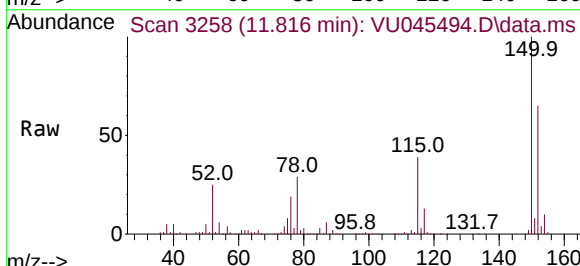
Tgt Ion:152 Resp: 177201

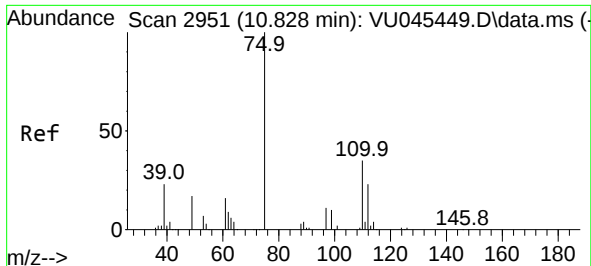
Ion Ratio Lower Upper

152 100

115 61.6 42.7 128.1

150 156.2 0.0 346.8

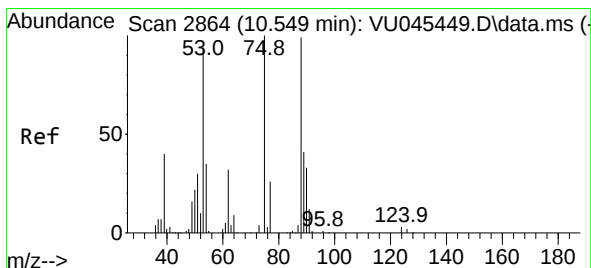
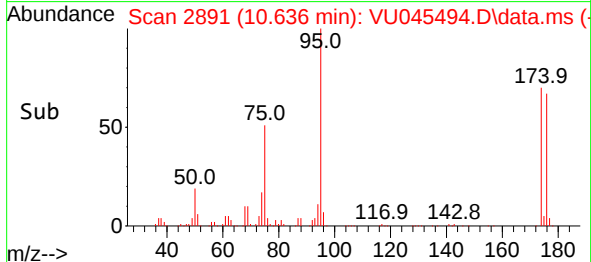
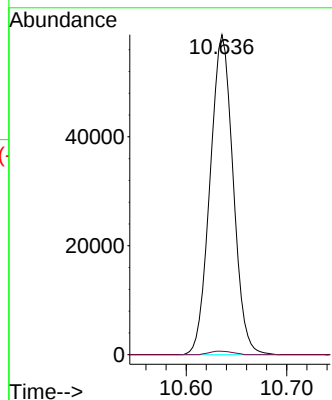
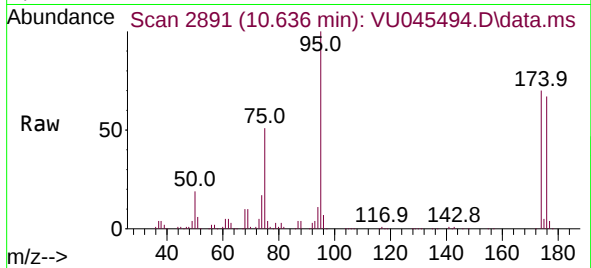




#76
1,2,3-Trichloropropane
Concen: 19.809 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

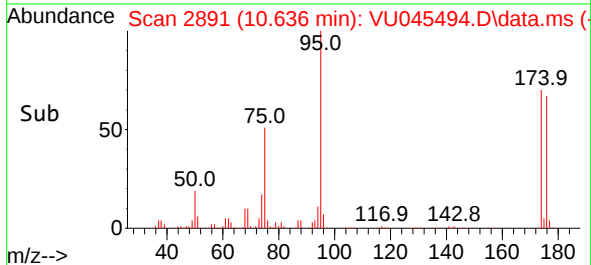
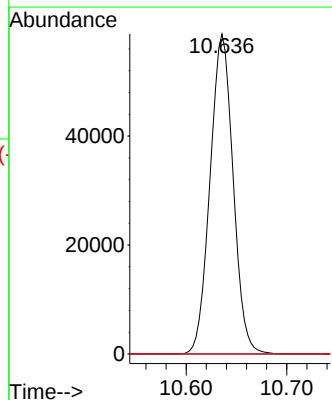
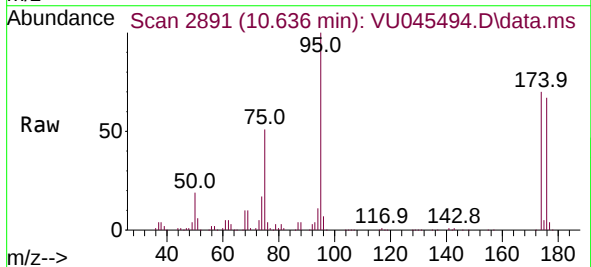
Instrument : MSVOA_U
ClientSampleId : BP-VPB-RW9-TB-20211027

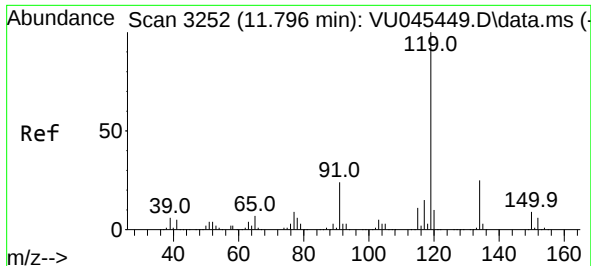
Tgt Ion: 75 Resp: 93524
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.046 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.087 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

Tgt Ion: 75 Resp: 93524
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#

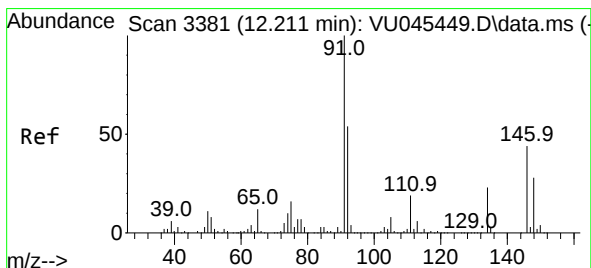
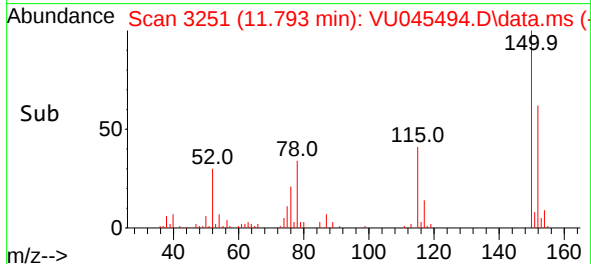
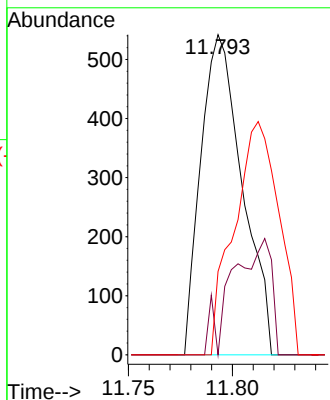
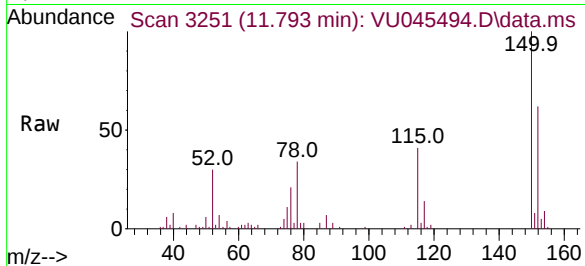




#86
p-Isopropyltoluene
Concen: 0.254 ug/l
RT: 11.793 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

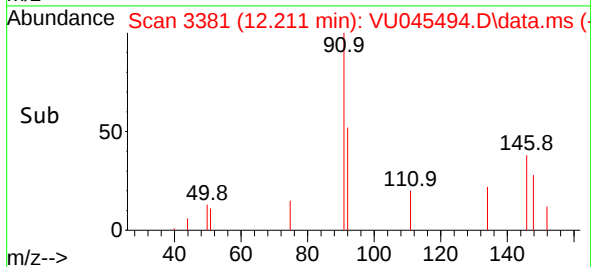
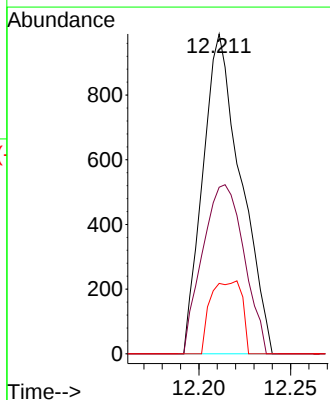
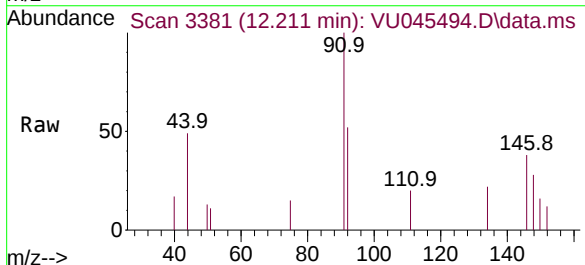
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211027

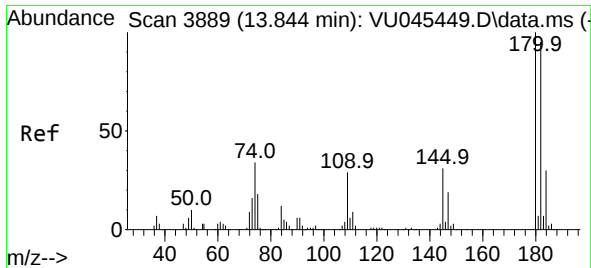
Tgt Ion:119 Resp: 751
Ion Ratio Lower Upper
119 100
134 0.0 12.7 38.1#
91 0.0 12.2 36.4#



#89
n-Butylbenzene
Concen: 1.065 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

Tgt Ion: 91 Resp: 1429
Ion Ratio Lower Upper
91 100
92 57.6 27.1 81.2
134 18.8 11.8 35.4

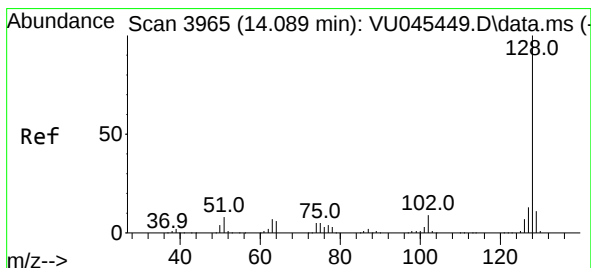
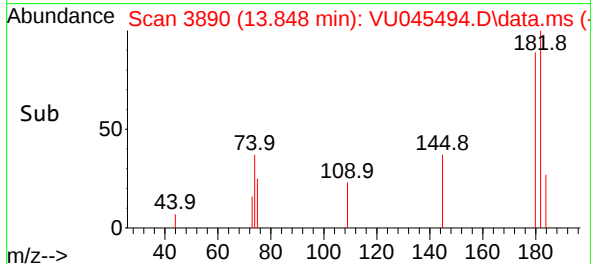
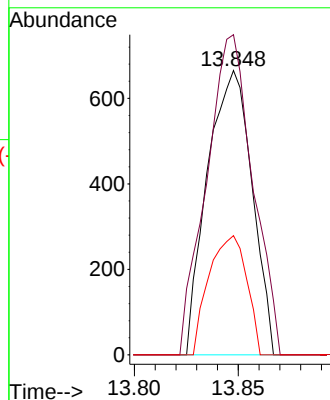
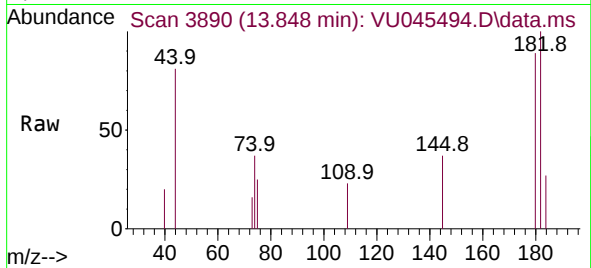




#93
1,2,4-Trichlorobenzene
Concen: 0.269 ug/l
RT: 13.848 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

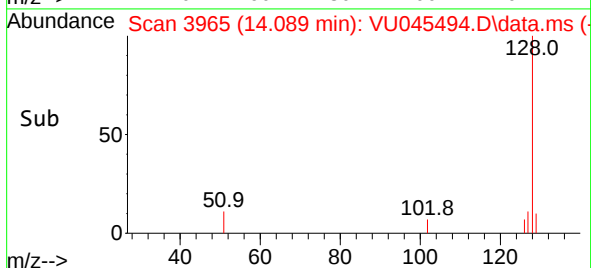
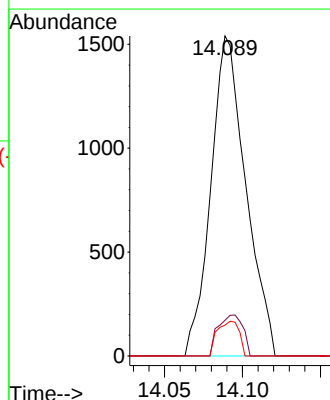
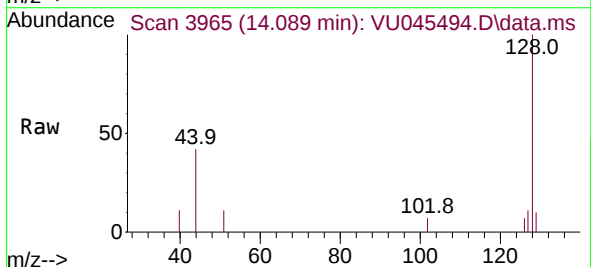
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211027

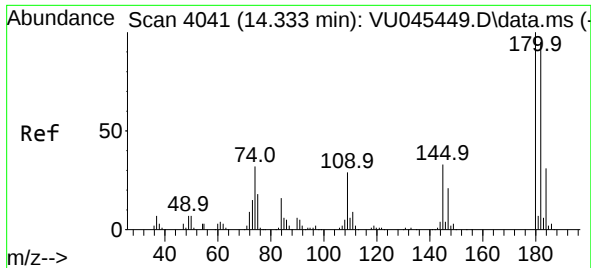
Tgt Ion:180 Resp: 993
Ion Ratio Lower Upper
180 100
182 116.4 47.0 141.2
145 35.3 15.6 46.7



#95
Naphthalene
Concen: 0.265 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU045494.D
Acq: 01 Nov 2021 18:07

Tgt Ion:128 Resp: 2400
Ion Ratio Lower Upper
128 100
127 9.1 10.6 15.8#
129 6.8 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.219 ug/l

RT: 14.333 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU045494.D

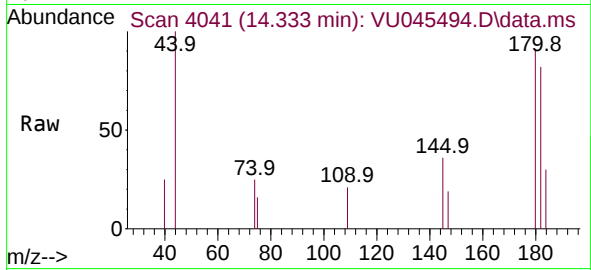
Acq: 01 Nov 2021 18:07

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-TB-20211027



Tgt Ion:180 Resp: 814

Ion Ratio Lower Upper

180 100

182 96.1 47.7 143.1

145 39.1 16.7 50.0

