

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093021\
 Data File : VU045042.D
 Acq On : 30 Sep 2021 13:19
 Operator : SY/MD
 Sample : M3956-04
 Misc : 6.14g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 30 16:07:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.372	168	212922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	383276	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.426	117	360727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	162008	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	173021	48.816	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.640%
35) Dibromofluoromethane	5.295	113	116843	48.325	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.660%
50) Toluene-d8	7.902	98	488692	51.155	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.300%
62) 4-Bromofluorobenzene	10.642	95	179959	45.627	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.260%

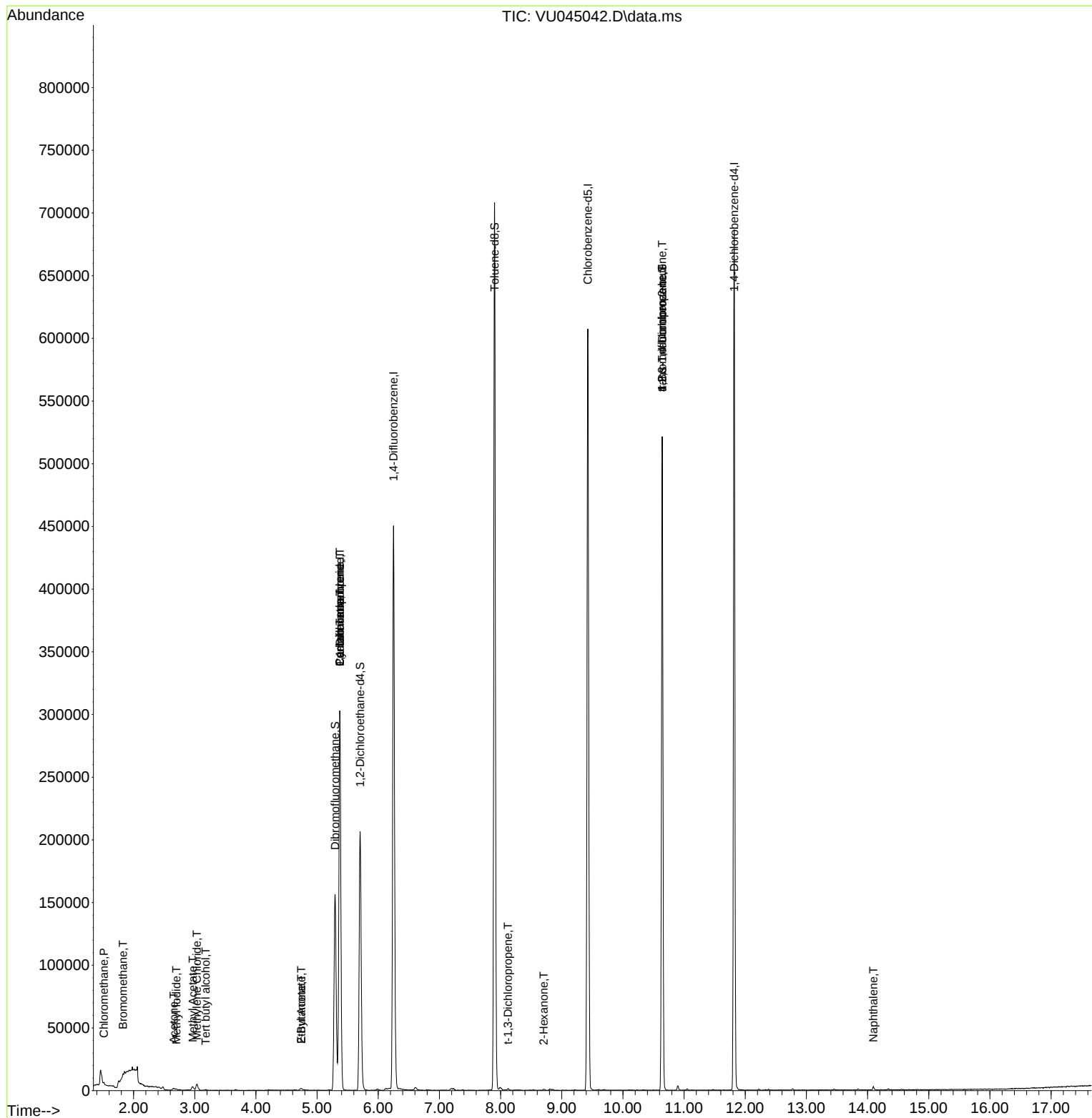
Target Compounds					Qvalue	
3) Chloromethane	1.517	50	1250	0.366	ug/l	94
5) Bromomethane	1.825	94	644	0.481	ug/l	87
10) Methyl Iodide	2.700	142	719	0.263	ug/l #	72
11) Tert butyl alcohol	3.179	59	260	0.256	ug/l #	72
16) Acetone	2.655	43	1091	0.519	ug/l	96
18) Methyl Acetate	2.970	43	4735	0.770	ug/l	93
20) Methylene Chloride	3.034	84	3053	0.963	ug/l	89
25) 2-Butanone	4.742	43	3937	1.317	ug/l	95
31) Cyclohexane	5.372	56	5720	1.062	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	19859	4.955	ug/l #	50
37) Ethyl Acetate	4.742	43	3937	0.742	ug/l #	69
38) Carbon Tetrachloride	5.372	117	21886	6.310	ug/l #	15
53) t-1,3-Dichloropropene	8.121	75	977	0.206	ug/l #	43
59) 2-Hexanone	8.703	43	965	0.204	ug/l	75
76) 1,2,3-Trichloropropane	10.642	75	95963	20.308	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.642	75	95963	56.357	ug/l #	9
95) Naphthalene	14.095	128	2970	0.248	ug/l #	87

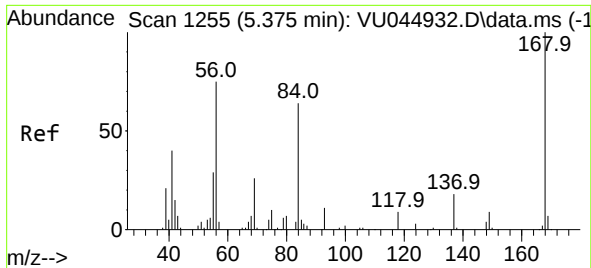
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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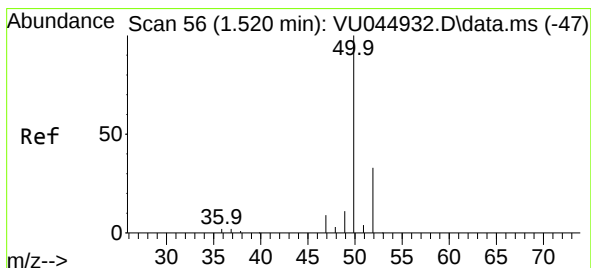
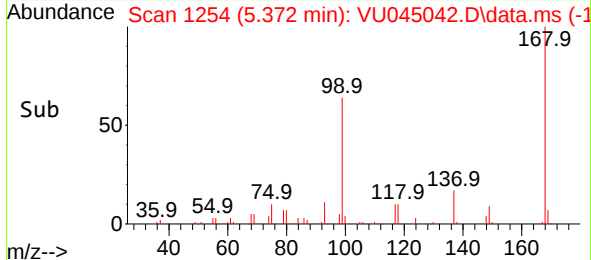
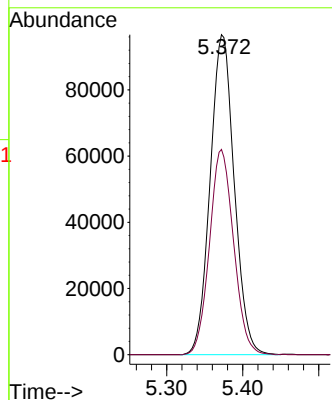
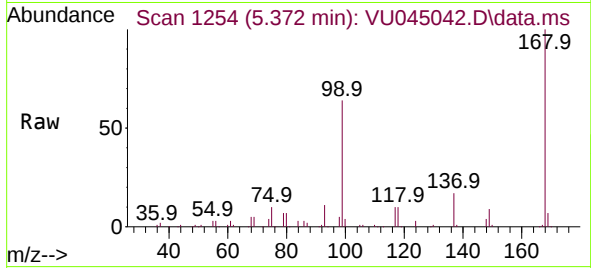




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.003 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

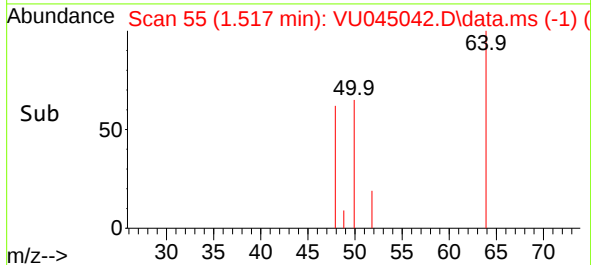
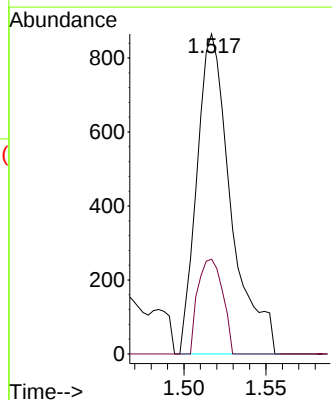
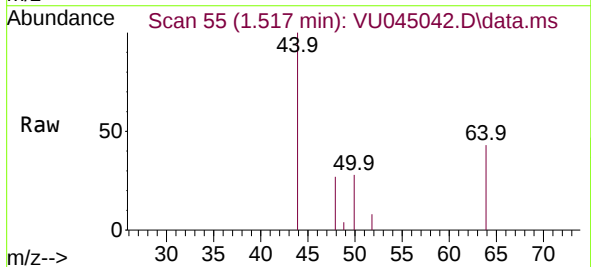
Instrument :
MSVOA_U
ClientSampled :

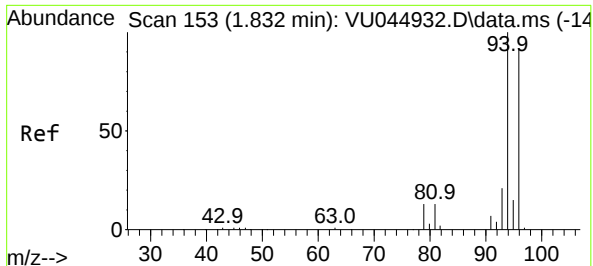
Tgt Ion:168 Resp: 212922
Ion Ratio Lower Upper
168 100
99 64.1 51.4 77.0



#3
Chloromethane
Concen: 0.366 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Tgt Ion: 50 Resp: 1250
Ion Ratio Lower Upper
50 100
52 29.6 26.3 39.5

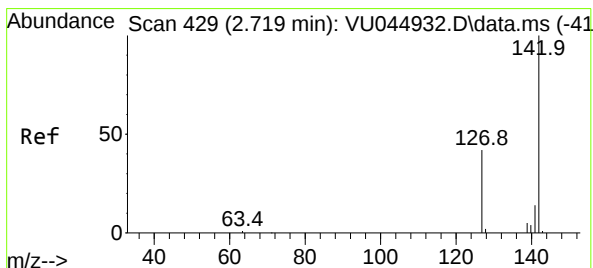
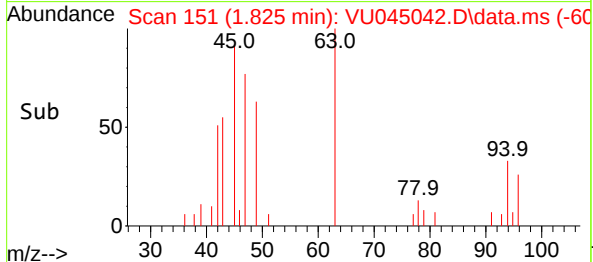
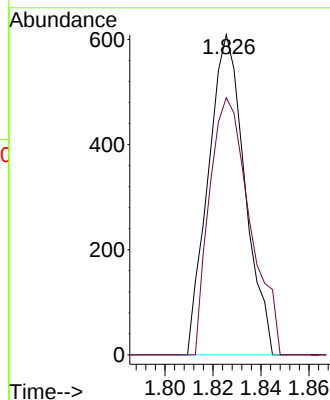
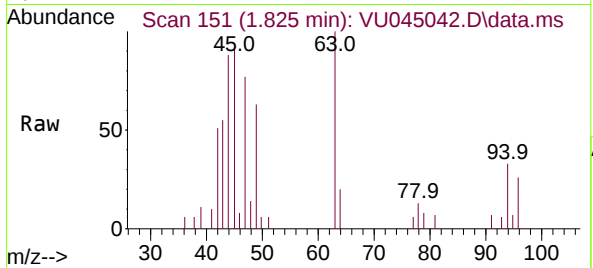




#5
Bromomethane
Concen: 0.481 ug/l
RT: 1.825 min Scan# 151
Delta R.T. -0.007 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

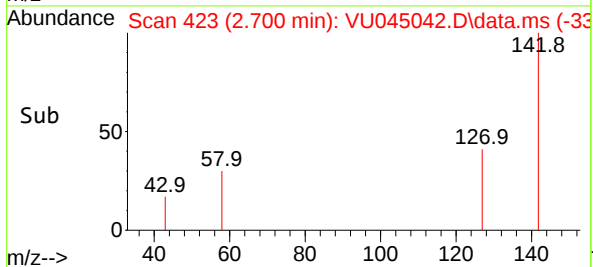
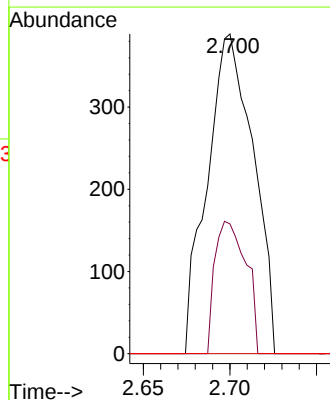
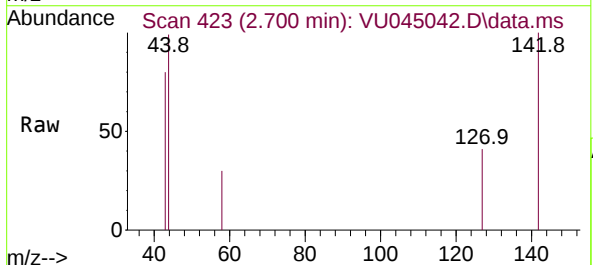
Instrument :
MSVOA_U
ClientSampleId :

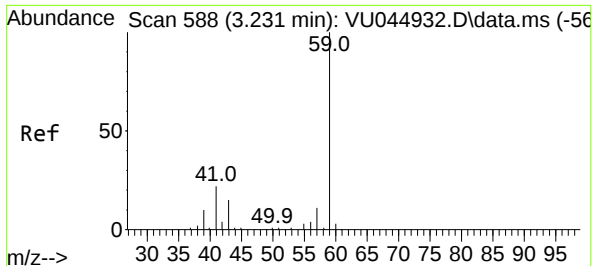
Tgt Ion: 94 Resp: 644
Ion Ratio Lower Upper
94 100
96 80.3 74.5 111.7



#10
Methyl Iodide
Concen: 0.263 ug/l
RT: 2.700 min Scan# 423
Delta R.T. -0.019 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Tgt Ion: 142 Resp: 719
Ion Ratio Lower Upper
142 100
127 28.0 35.6 53.4#
141 0.0 11.3 16.9#



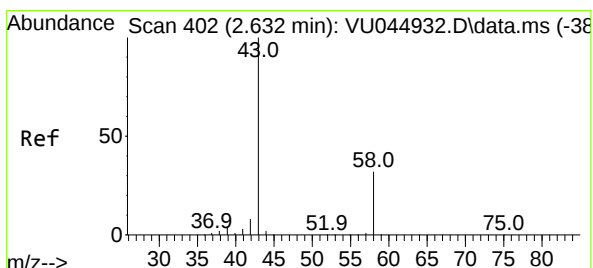
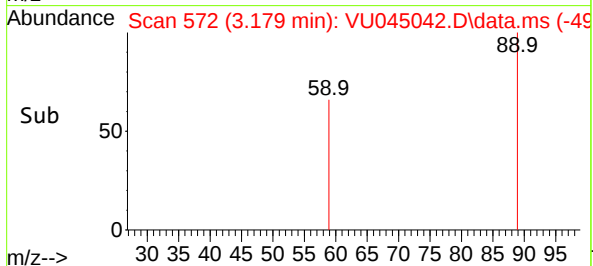
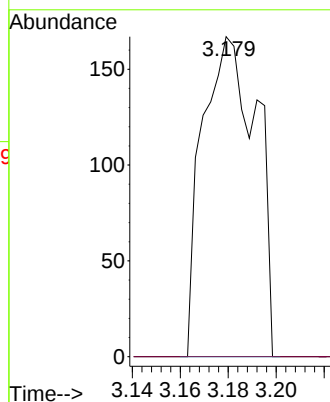
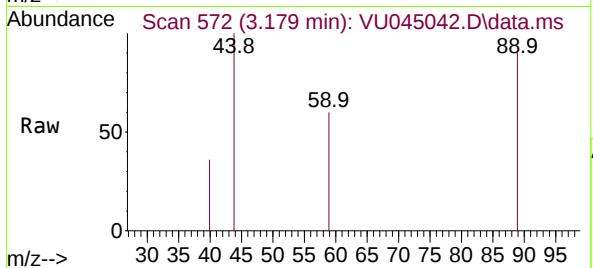


#11

Tert butyl alcohol
Concen: 0.256 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.052 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Instrument :
MSVOA_U
ClientSampled :

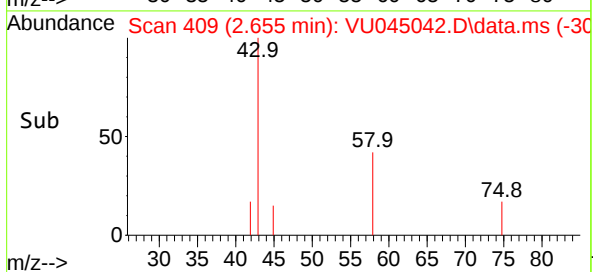
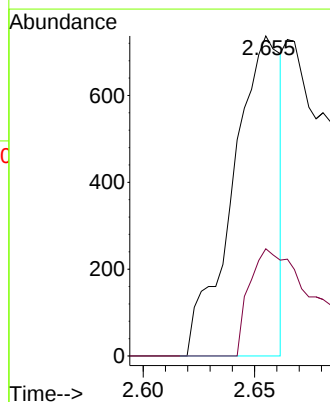
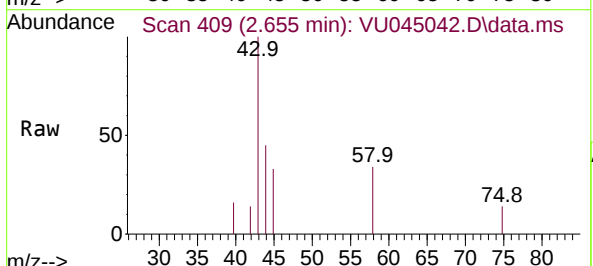
Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

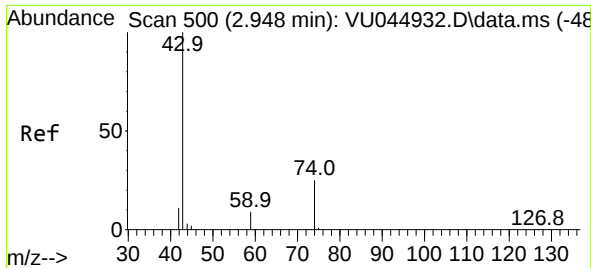


#16

Acetone
Concen: 0.519 ug/l
RT: 2.655 min Scan# 409
Delta R.T. 0.023 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 33.5 25.2 37.8

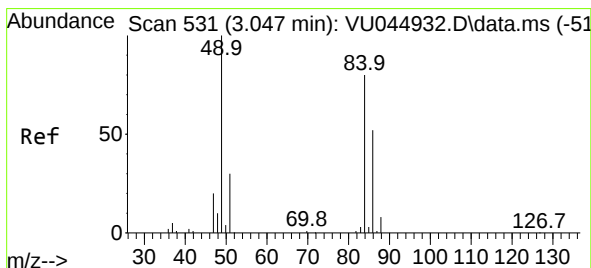
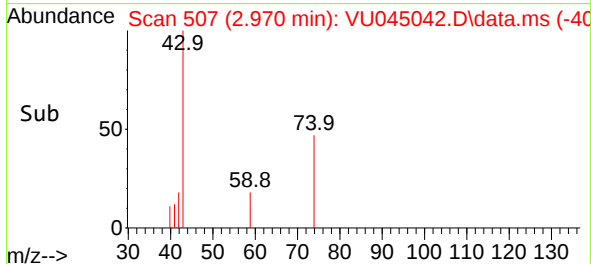
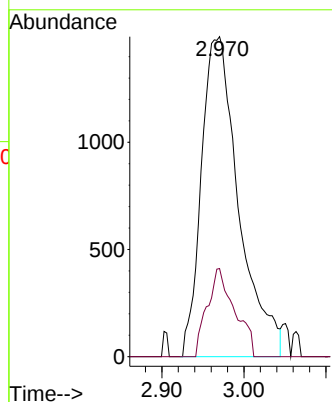
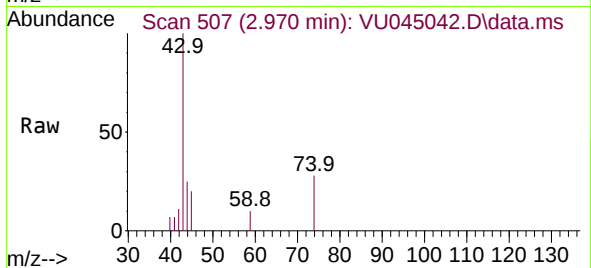




#18
Methyl Acetate
Concen: 0.770 ug/l
RT: 2.970 min Scan# 507
Delta R.T. 0.022 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

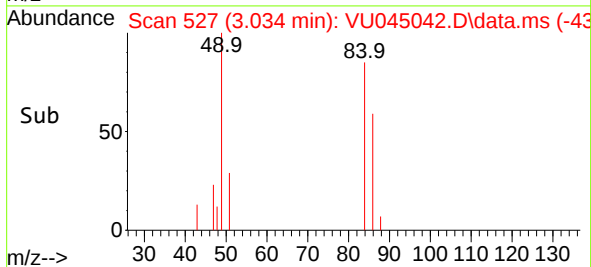
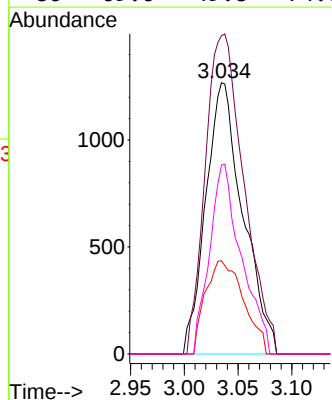
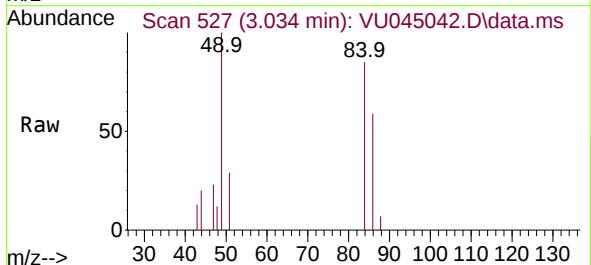
Instrument :
MSVOA_U
ClientSampled :

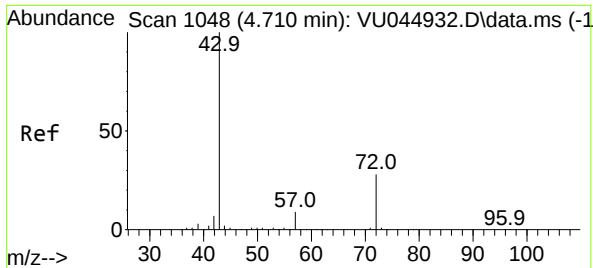
Tgt Ion: 43 Resp: 4735
Ion Ratio Lower Upper
43 100
74 20.1 19.0 28.6



#20
Methylene Chloride
Concen: 0.963 ug/l
RT: 3.034 min Scan# 527
Delta R.T. -0.013 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Tgt Ion: 84 Resp: 3053
Ion Ratio Lower Upper
84 100
49 117.4 104.9 157.3
51 34.3 31.8 47.8
86 69.6 49.8 74.6

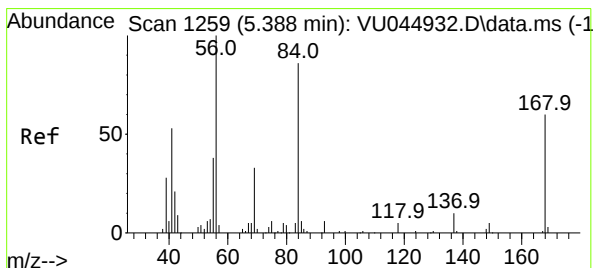
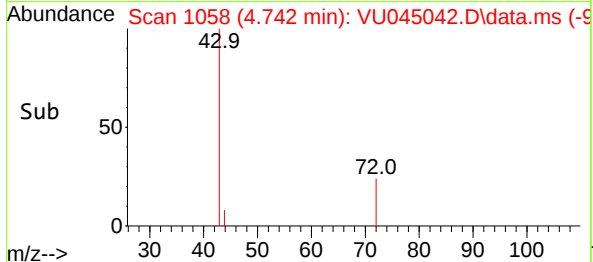
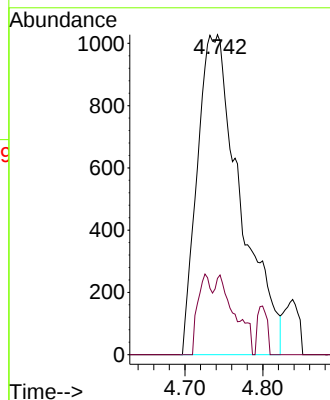
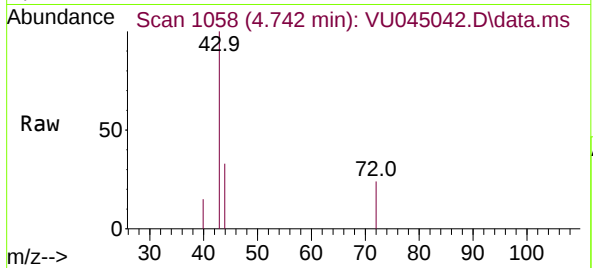




#25
2-Butanone
Concen: 1.317 ug/l
RT: 4.742 min Scan# 1058
Delta R.T. 0.032 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

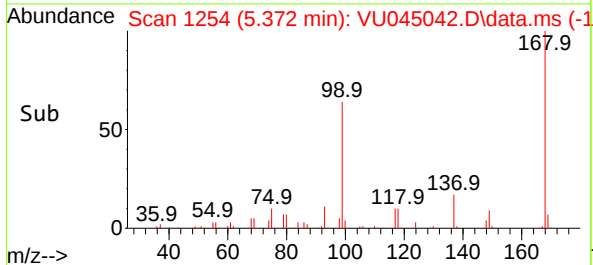
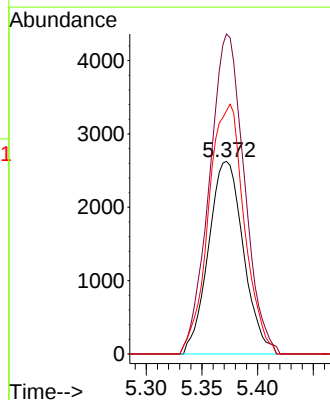
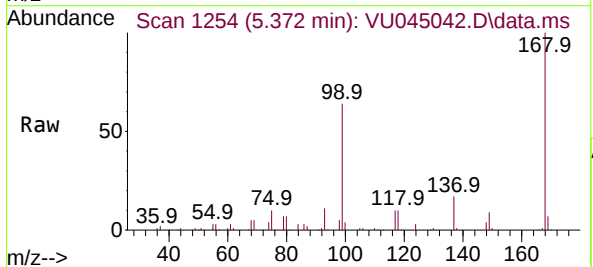
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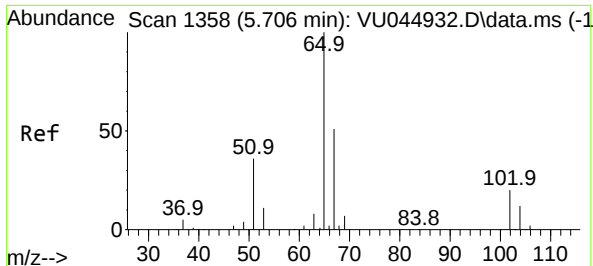
Tgt Ion: 43 Resp: 3937
Ion Ratio Lower Upper
43 100
72 23.8 21.3 31.9



#31
Cyclohexane
Concen: 1.062 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.016 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Tgt Ion: 56 Resp: 5720
Ion Ratio Lower Upper
56 100
69 166.1 25.2 37.8#
84 126.3 66.4 99.6#



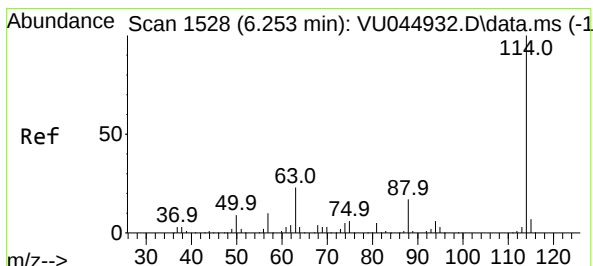
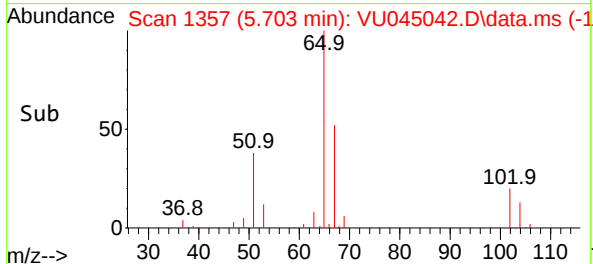
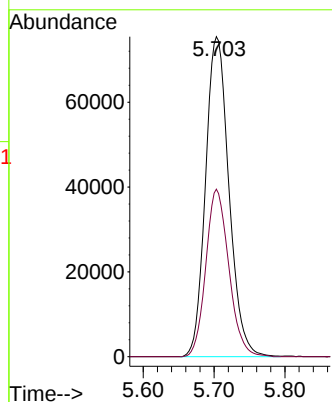
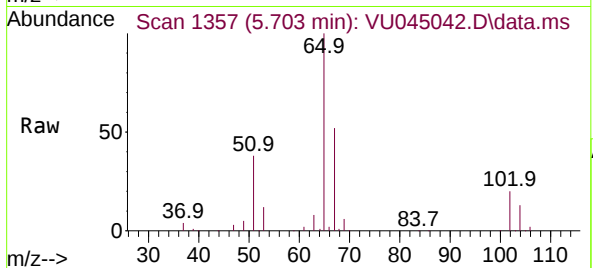


#33

1,2-Dichloroethane-d4
Concen: 48.816 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Instrument :
MSVOA_U
ClientSampleId :

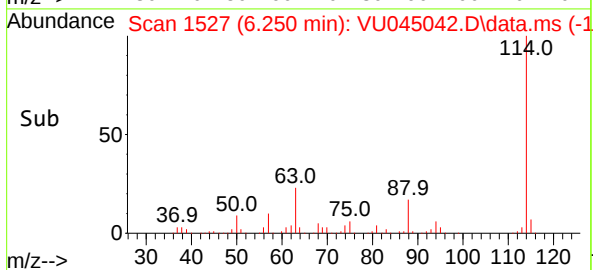
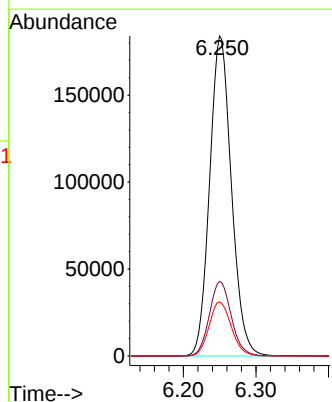
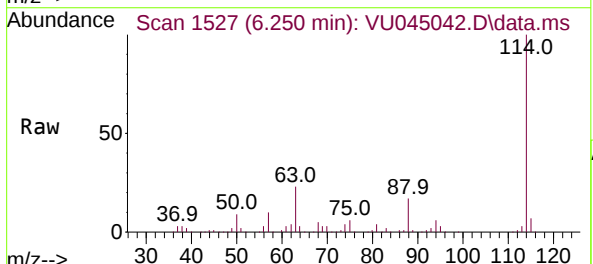
Tgt Ion: 65 Resp: 173021
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.8

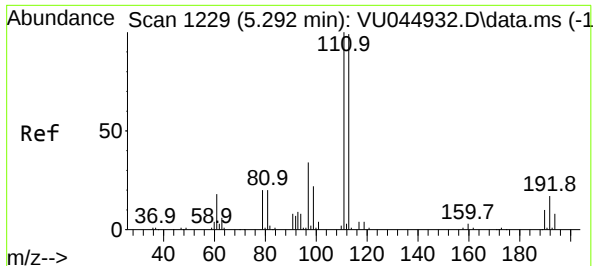


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Tgt Ion: 114 Resp: 383276
Ion Ratio Lower Upper
114 100
63 23.3 0.0 47.8
88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.325 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU045042.D

Acq: 30 Sep 2021 13:19

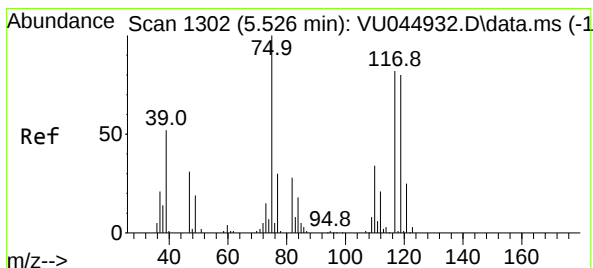
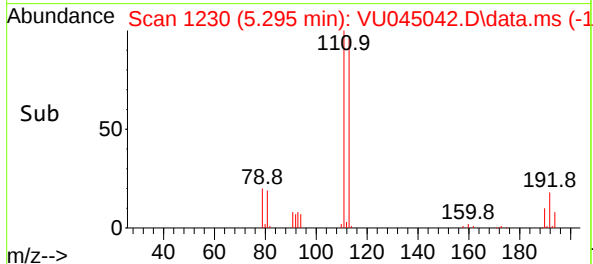
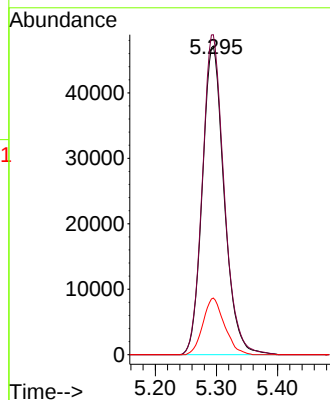
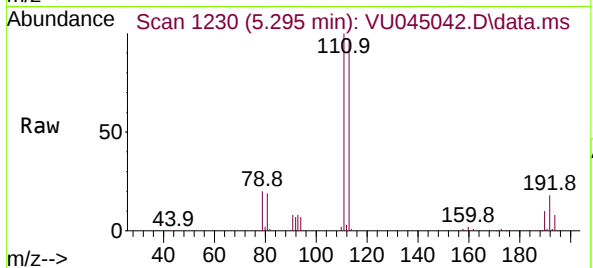
Tgt Ion: 113 Resp: 116843

Ion Ratio Lower Upper

113 100

111 103.5 84.1 126.1

192 18.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.955 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU045042.D

Acq: 30 Sep 2021 13:19

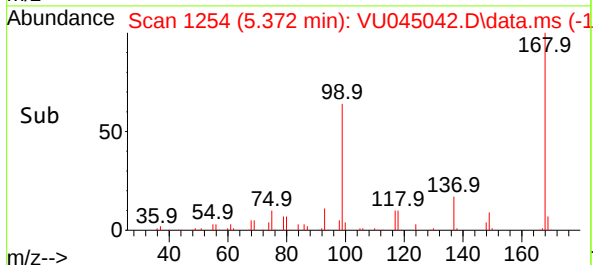
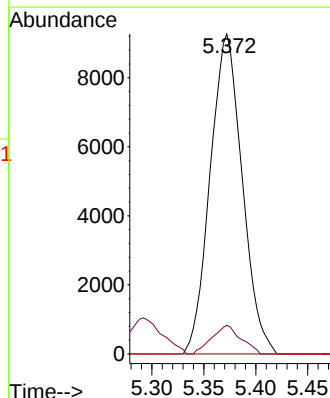
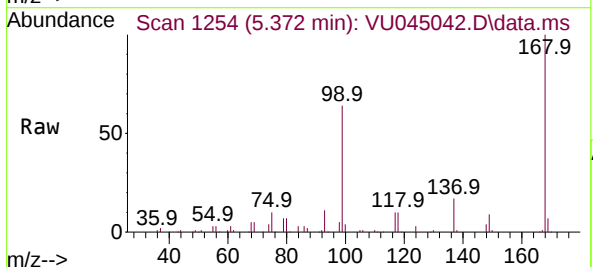
Tgt Ion: 75 Resp: 19859

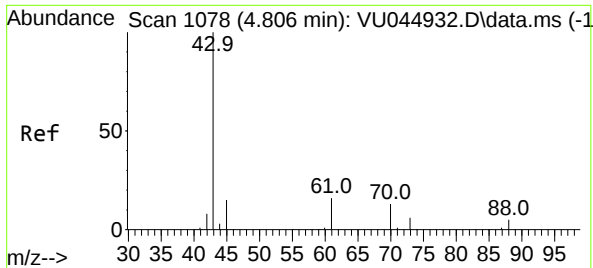
Ion Ratio Lower Upper

75 100

110 8.1 16.3 48.9#

77 0.0 25.0 37.4#

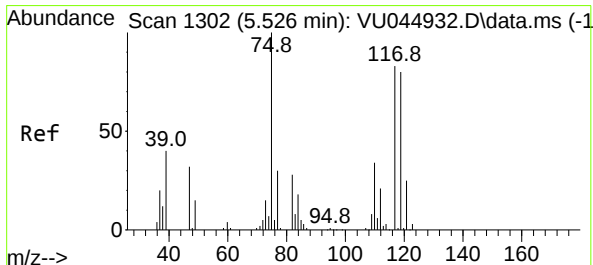
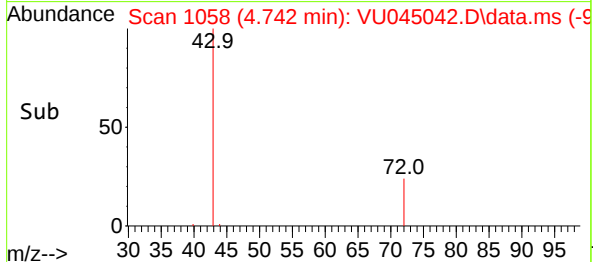
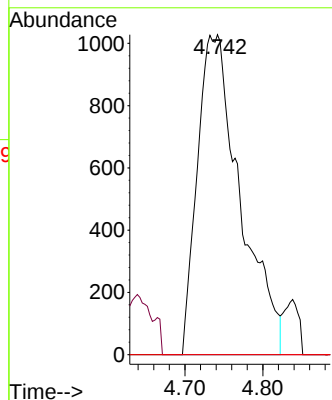
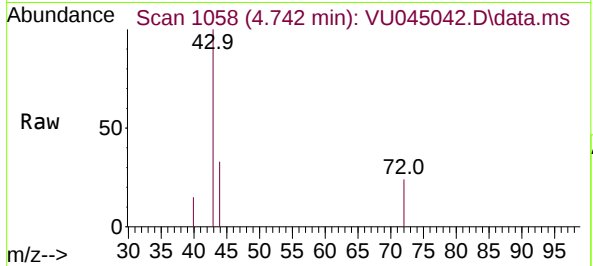




#37
Ethyl Acetate
Concen: 0.742 ug/l
RT: 4.742 min Scan# 1058
Delta R.T. -0.064 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

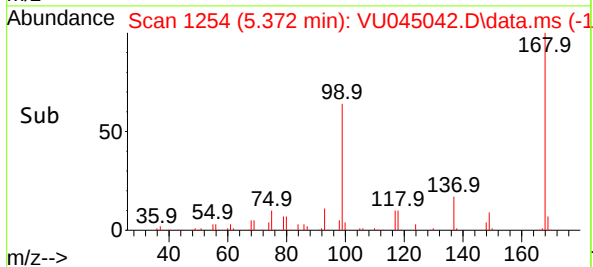
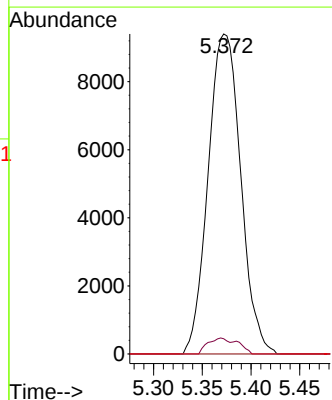
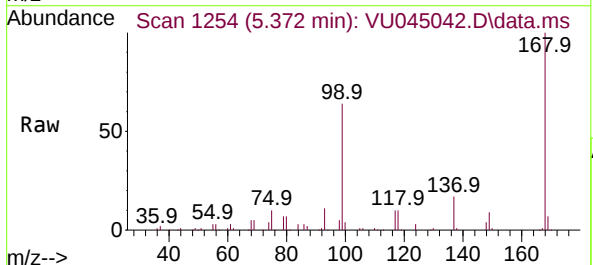
Instrument :
MSVOA_U
ClientSampled :

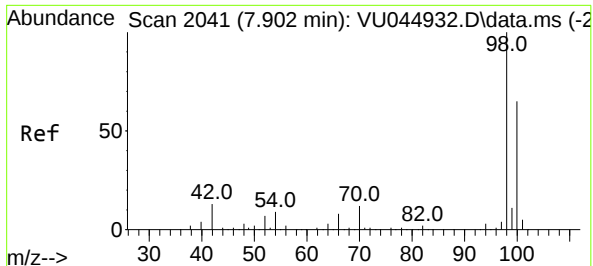
Tgt Ion:	43	Resp:	3937
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



#38
Carbon Tetrachloride
Concen: 6.310 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Tgt Ion:	117	Resp:	21886
Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.4	116.2#
121	0.0	24.5	36.7#

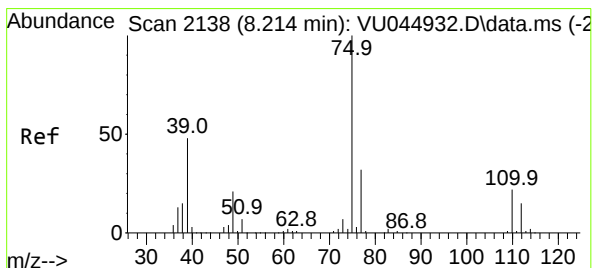
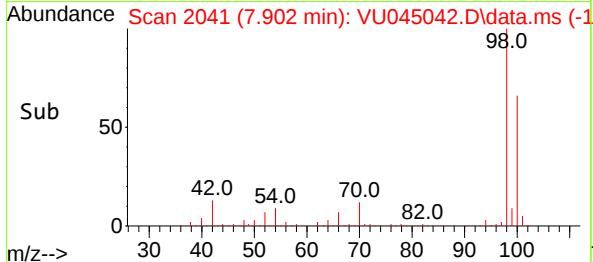
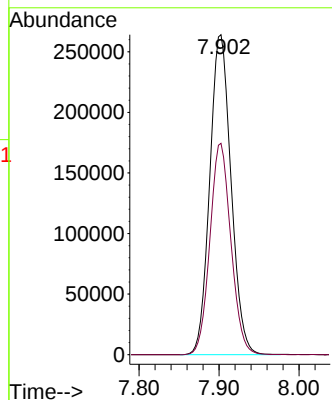
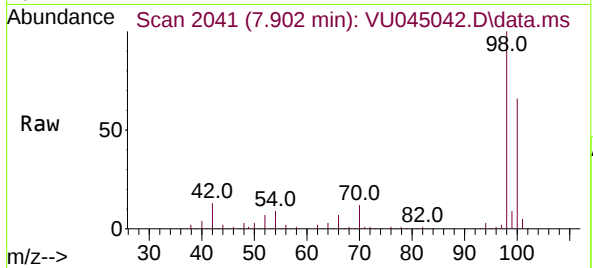




#50
Toluene-d8
Concen: 51.155 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

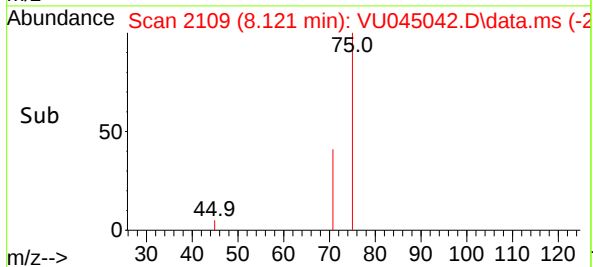
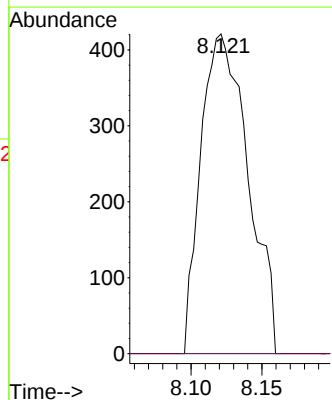
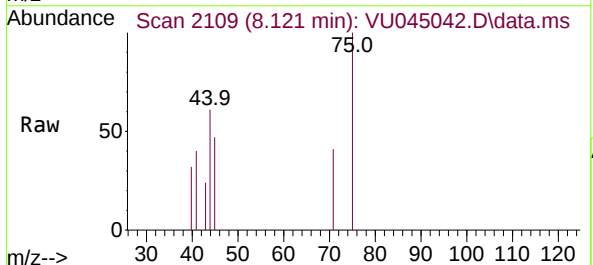
Instrument :
MSVOA_U
ClientSampled :

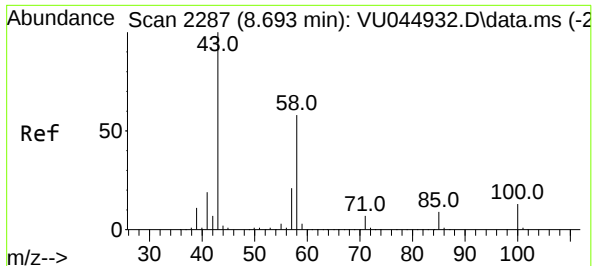
Tgt Ion: 98 Resp: 488692
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#53
t-1,3-Dichloropropene
Concen: 0.206 ug/l
RT: 8.121 min Scan# 2109
Delta R.T. -0.093 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Tgt Ion: 75 Resp: 977
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#

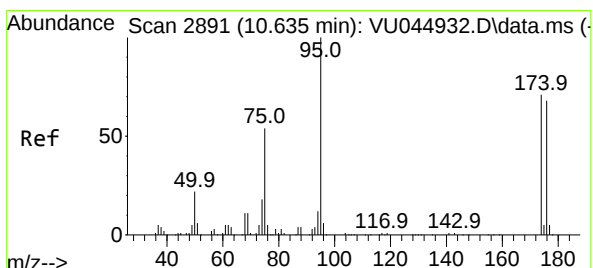
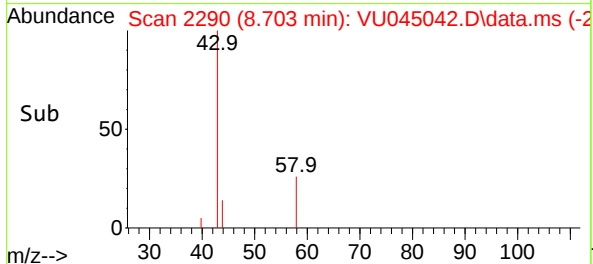
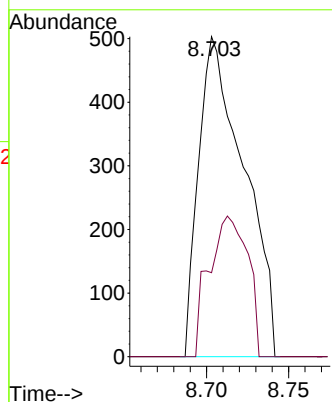
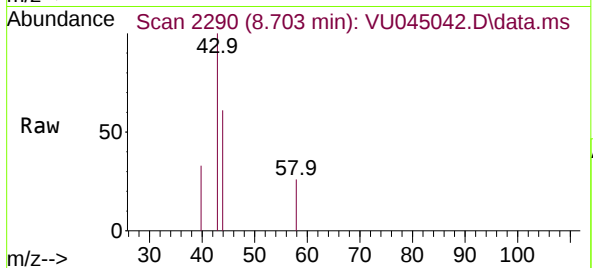




#59
2-Hexanone
Concen: 0.204 ug/l
RT: 8.703 min Scan# 2290
Delta R.T. 0.010 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

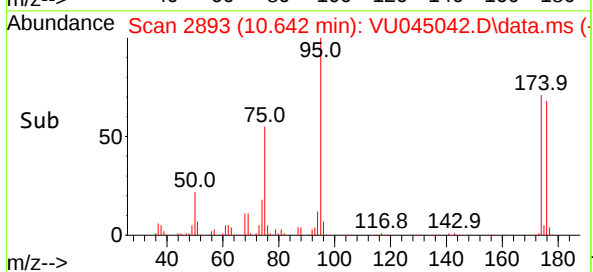
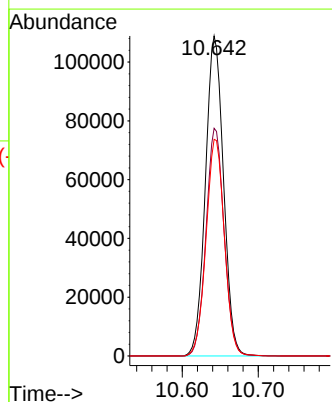
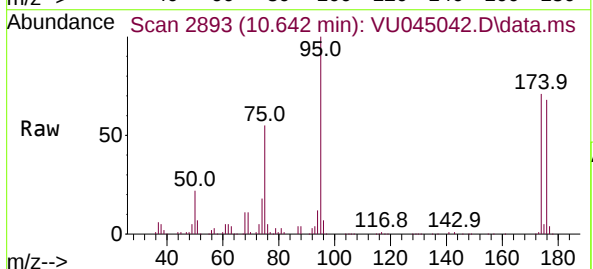
Instrument :
MSVOA_U
ClientSampled :

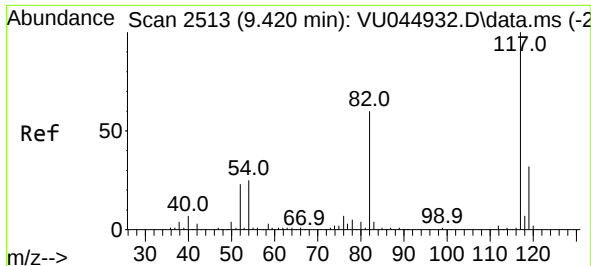
Tgt Ion: 43 Resp: 965
Ion Ratio Lower Upper
43 100
58 37.4 28.0 84.0



#62
4-Bromofluorobenzene
Concen: 45.627 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.007 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Tgt Ion: 95 Resp: 179959
Ion Ratio Lower Upper
95 100
174 71.0 0.0 146.6
176 68.5 0.0 141.2

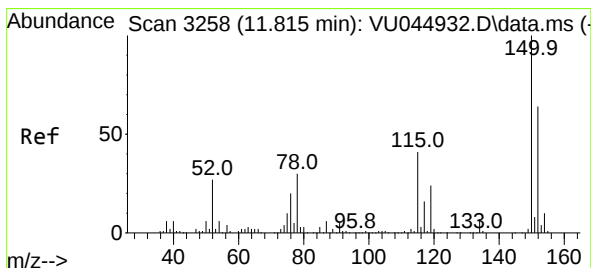
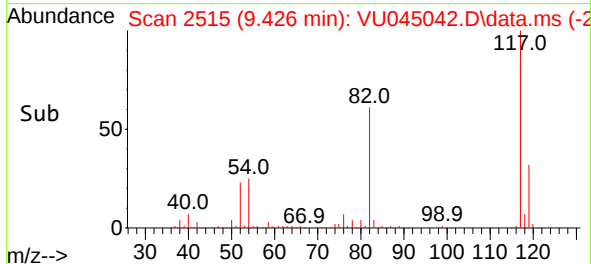
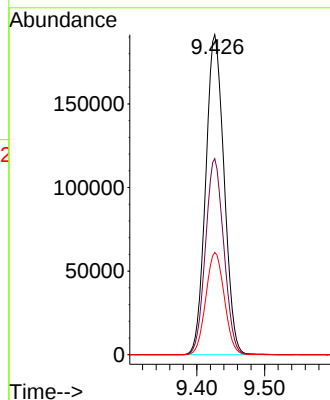
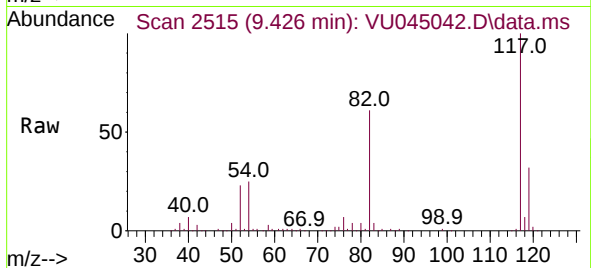




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.426 min Scan# 2515
Delta R.T. 0.006 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

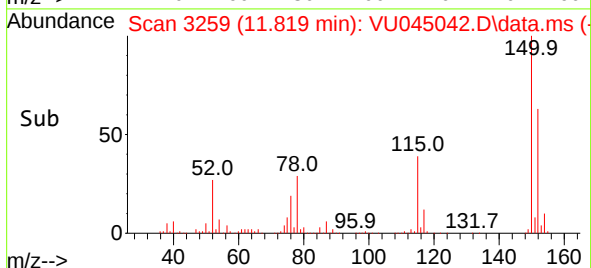
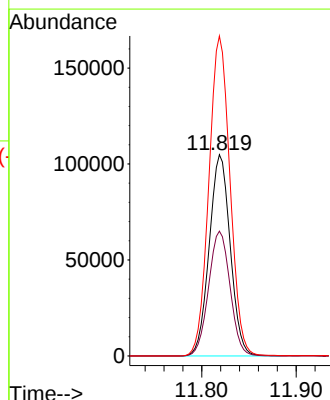
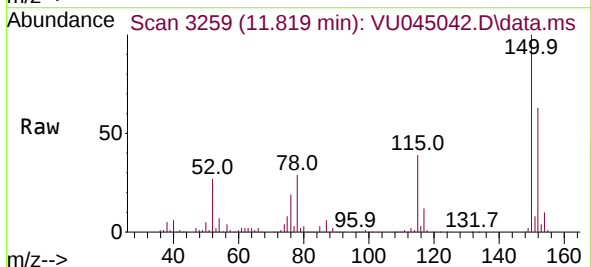
Instrument :
MSVOA_U
ClientSampleId :

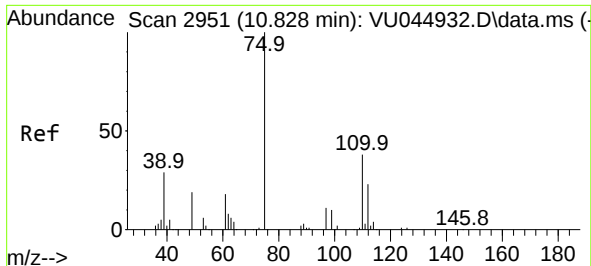
Tgt Ion:117 Resp: 360727
Ion Ratio Lower Upper
117 100
82 61.2 47.8 71.8
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.004 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Tgt Ion:152 Resp: 162008
Ion Ratio Lower Upper
152 100
115 63.3 43.5 130.7
150 159.5 0.0 350.0

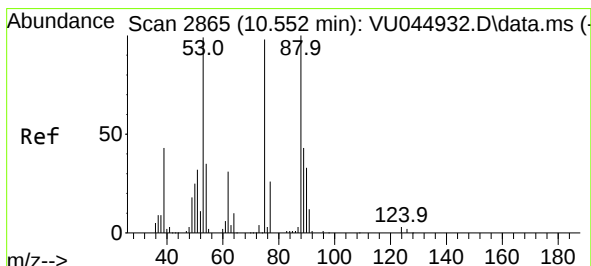
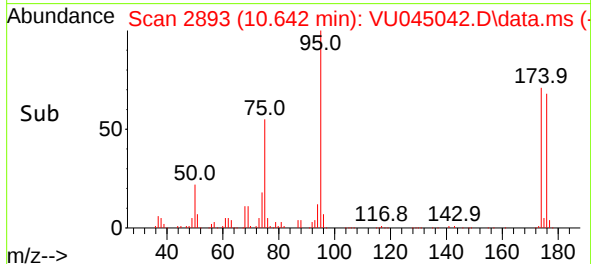
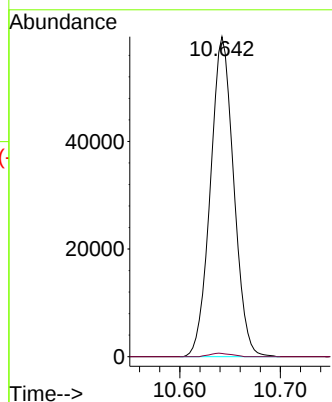
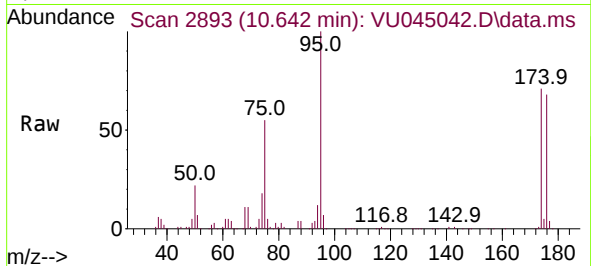




#76
1,2,3-Trichloropropane
Concen: 20.308 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.186 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

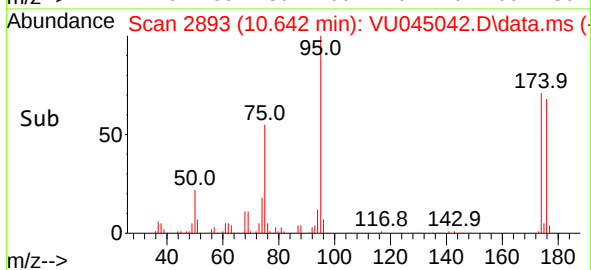
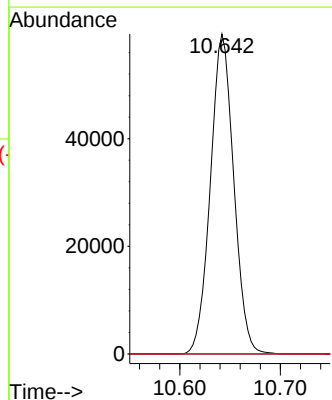
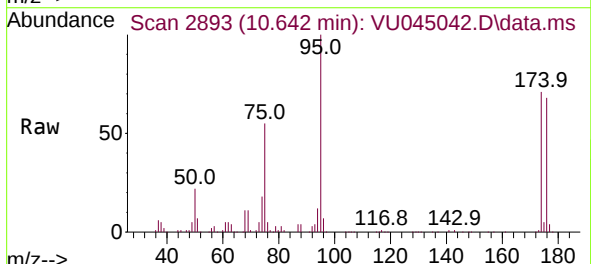
Instrument :
MSVOA_U
ClientSampled :

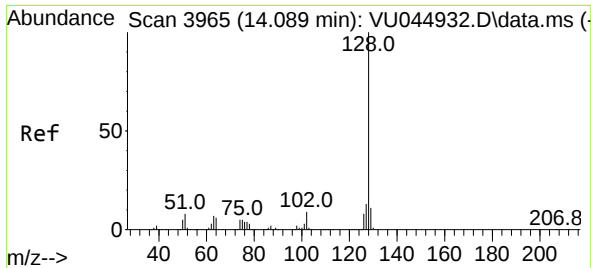
Tgt Ion: 75 Resp: 95963
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.357 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.090 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

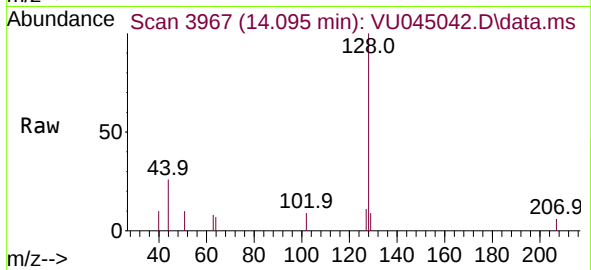
Tgt Ion: 75 Resp: 95963
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#





#95
Naphthalene
Concen: 0.248 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.006 min
Lab File: VU045042.D
Acq: 30 Sep 2021 13:19

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 2970
Ion Ratio Lower Upper
128 100
127 7.7 10.4 15.6#
129 6.3 8.6 13.0#

