

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044950.D
 Acq On : 28 Sep 2021 18:41
 Operator : SY/MD
 Sample : M3893-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

Quant Time: Sep 29 05:46:52 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)

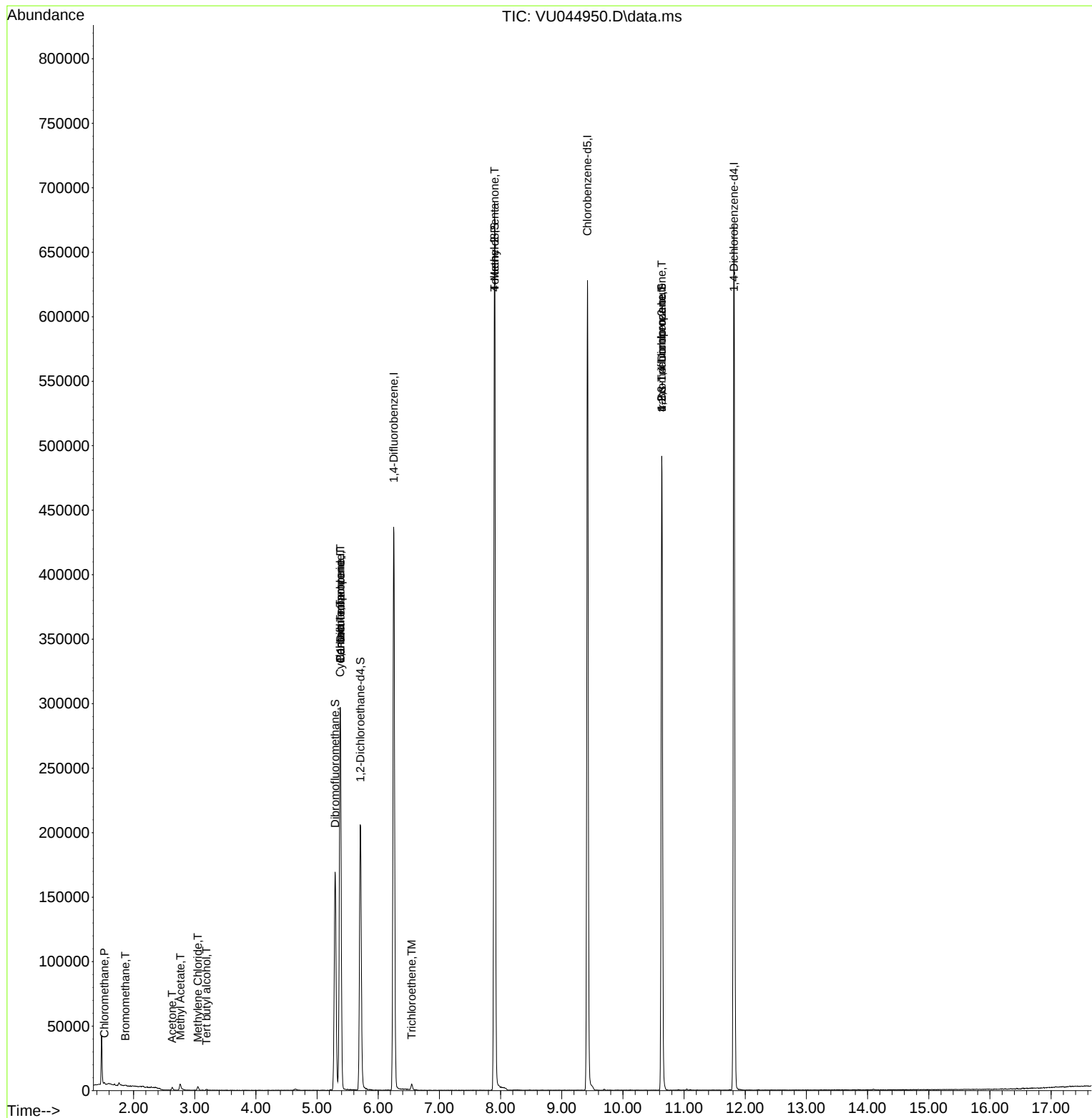
Internal Standards						
1) Pentafluorobenzene	5.378	168	195372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	342594	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	333268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	163751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	157327	48.375	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.760%
35) Dibromofluoromethane	5.295	113	109629	50.726	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.460%
50) Toluene-d8	7.902	98	441760	51.733	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.460%
62) 4-Bromofluorobenzene	10.635	95	163834	46.472	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.940%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	862	0.275	ug/l	95
5) Bromomethane	1.864	94	331	0.270	ug/l	88
11) Tert butyl alcohol	3.189	59	468	0.501	ug/l #	72
16) Acetone	2.629	43	2513	1.302	ug/l	89
18) Methyl Acetate	2.764	43	1712	0.303	ug/l #	52
20) Methylene Chloride	3.050	84	1159	0.399	ug/l	98
31) Cyclohexane	5.375	56	5201	1.053	ug/l #	24
36) 1,1-Dichloropropene	5.378	75	18287	5.104	ug/l #	49
38) Carbon Tetrachloride	5.378	117	20501	6.613	ug/l #	16
44) Trichloroethene	6.545	130	1354	0.538	ug/l	87
51) 4-Methyl-2-Pentanone	7.902	43	2203	0.424	ug/l #	1
76) 1,2,3-Trichloropropane	10.635	75	89298	18.696	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	89298	51.885	ug/l #	9

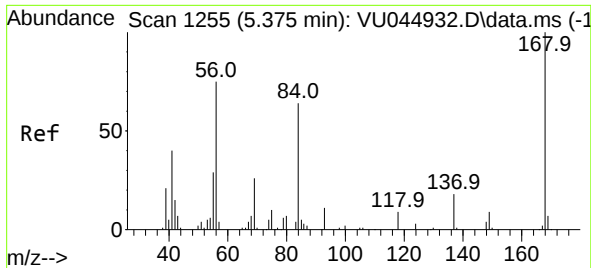
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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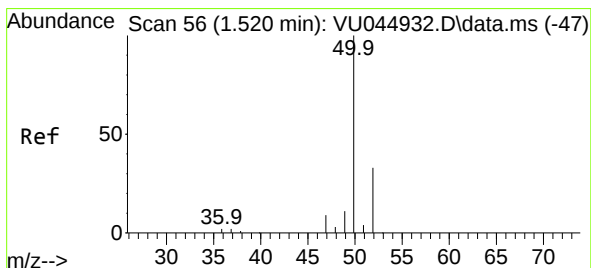
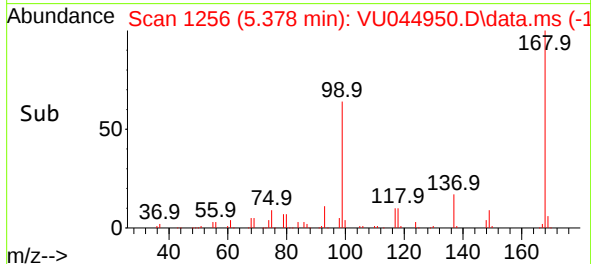
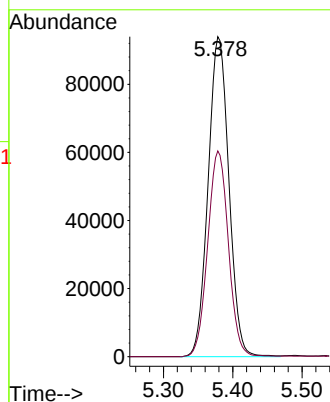
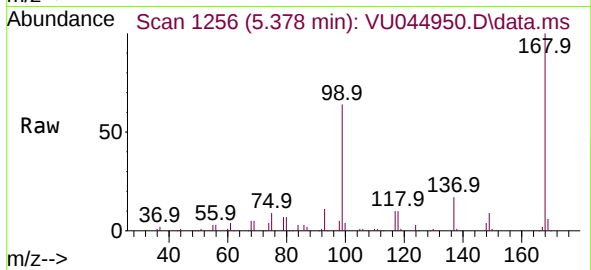




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

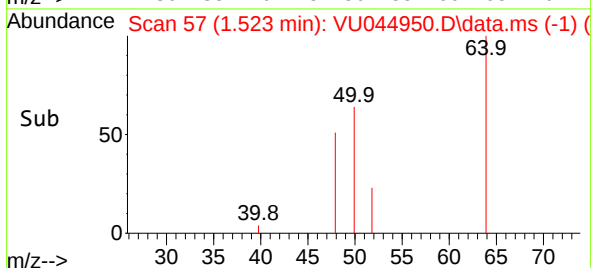
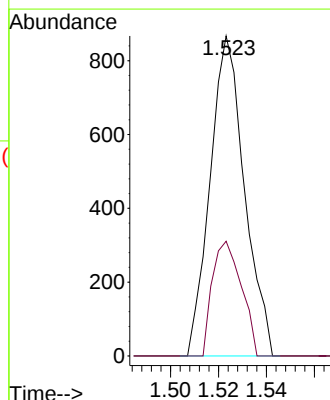
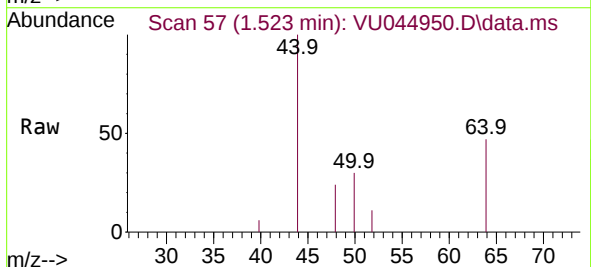
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

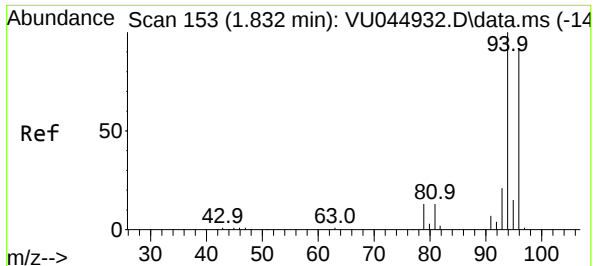
Tgt Ion:168 Resp: 195372
Ion Ratio Lower Upper
168 100
99 64.3 51.4 77.0



#3
Chloromethane
Concen: 0.275 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

Tgt Ion: 50 Resp: 862
Ion Ratio Lower Upper
50 100
52 35.9 26.3 39.5

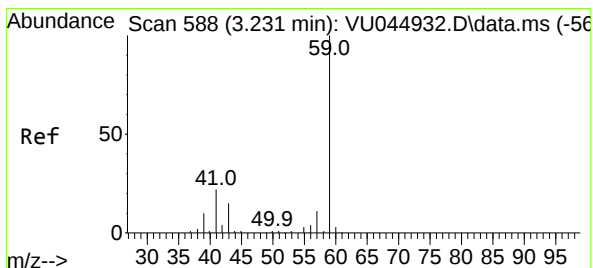
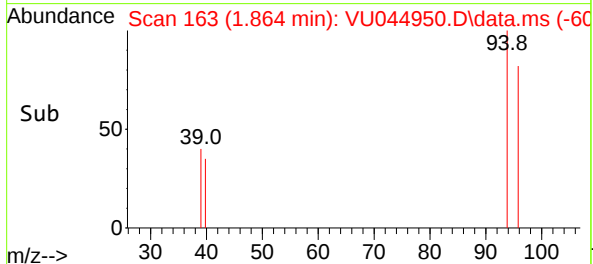
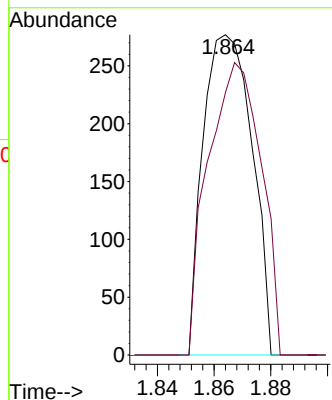
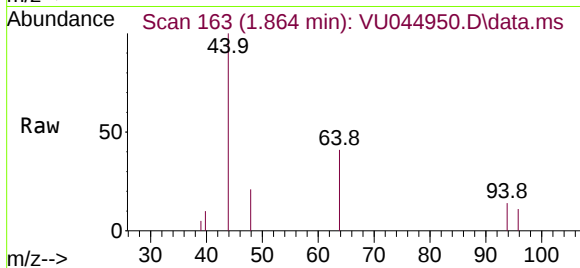




#5
Bromomethane
Concen: 0.270 ug/l
RT: 1.864 min Scan# 1
Delta R.T. 0.032 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

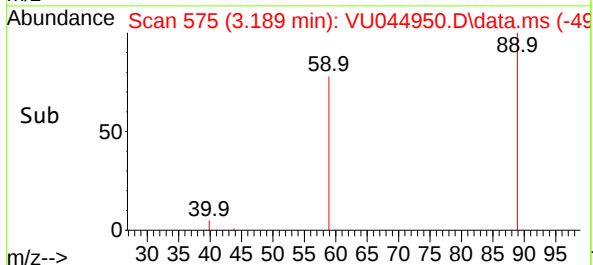
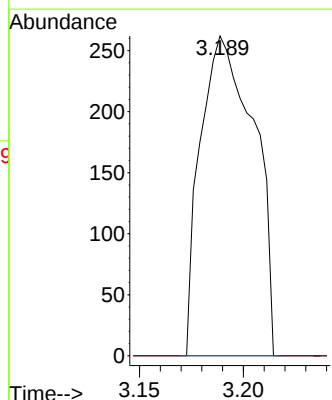
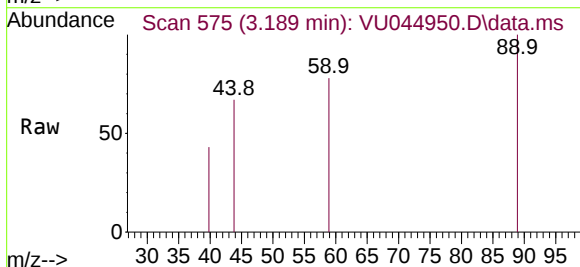
Instrument :
MSVOA_U
ClientSampleId :
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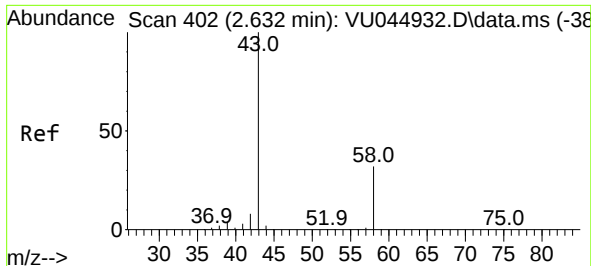
Tgt Ion: 94 Resp: 331
Ion Ratio Lower Upper
94 100
96 81.9 74.5 111.7



#11
Tert butyl alcohol
Concen: 0.501 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.042 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

Tgt Ion: 59 Resp: 468
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

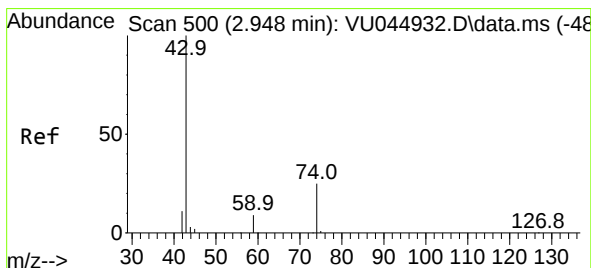
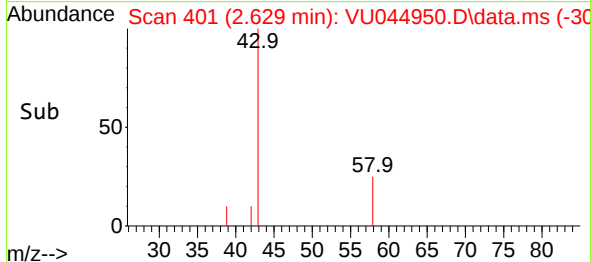
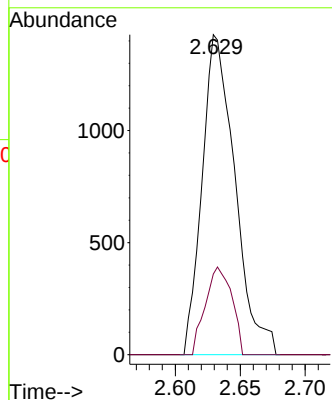
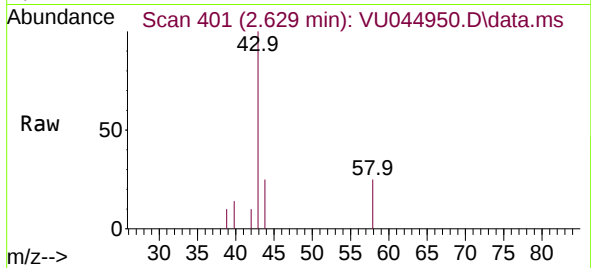




#16
Acetone
Concen: 1.302 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

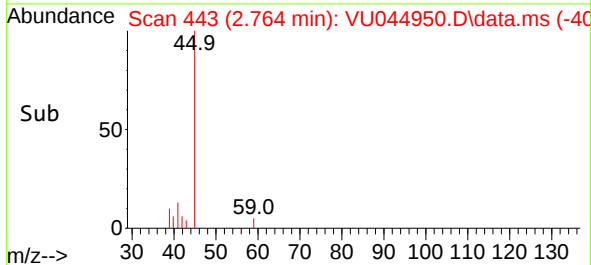
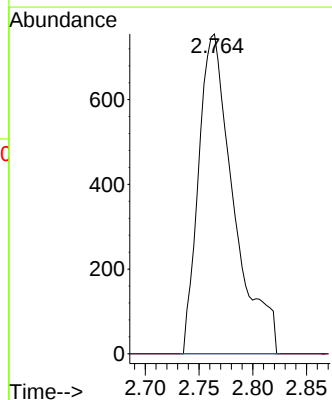
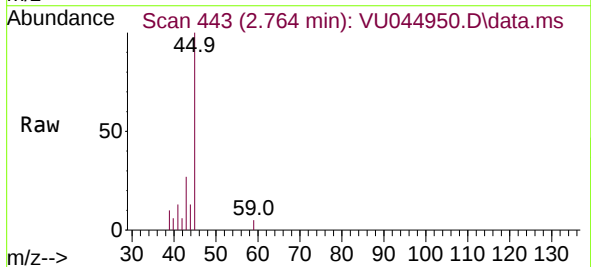
Instrument :
MSVOA_U
ClientSampleId :
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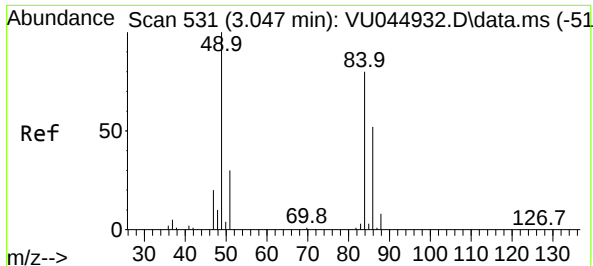
Tgt Ion: 43 Resp: 2513
Ion Ratio Lower Upper
43 100
58 25.2 25.2 37.8



#18
Methyl Acetate
Concen: 0.303 ug/l
RT: 2.764 min Scan# 443
Delta R.T. -0.184 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

Tgt Ion: 43 Resp: 1712
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#

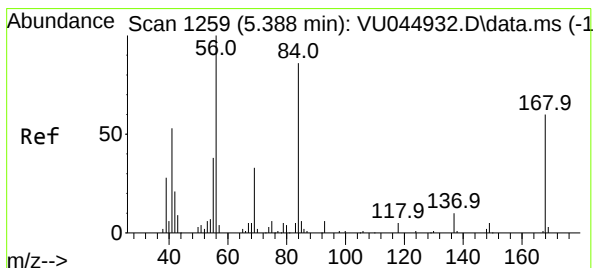
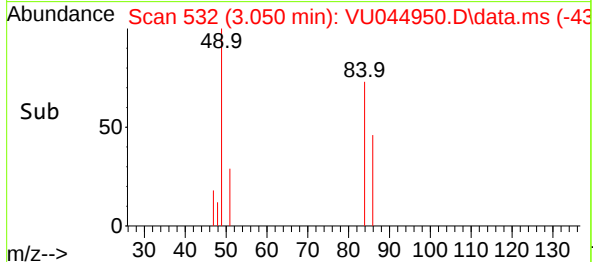
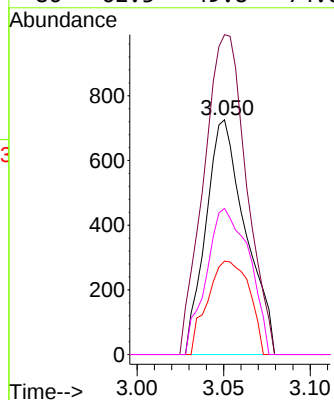
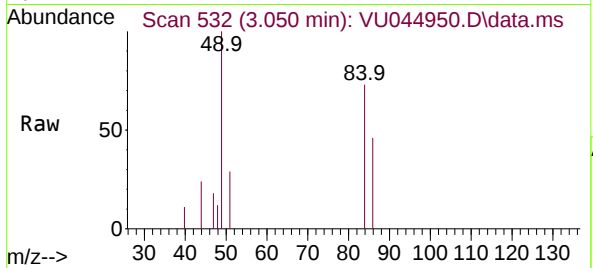




#20
Methylene Chloride
Concen: 0.399 ug/l
RT: 3.050 min Scan# 511
Delta R.T. 0.003 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

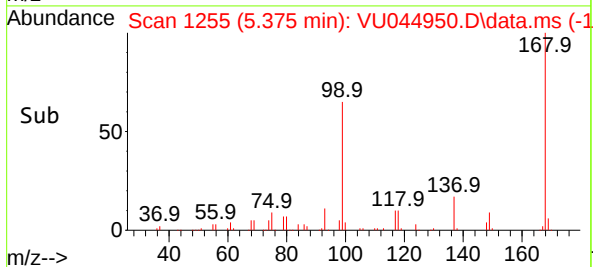
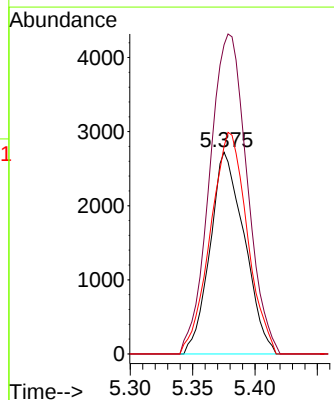
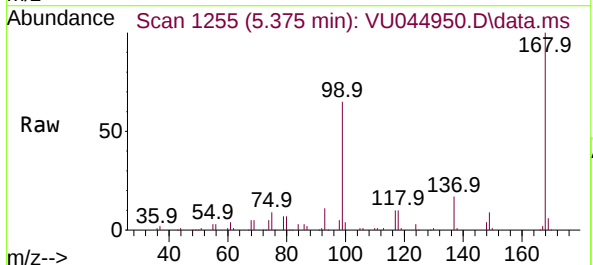
Instrument :
MSVOA_U
ClientSampleId :
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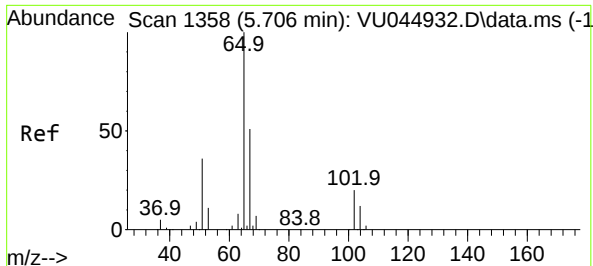
Tgt Ion:	84	Resp:	1159
Ion	Ratio	Lower	Upper
84	100		
49	136.2	104.9	157.3
51	39.8	31.8	47.8
86	62.3	49.8	74.6



#31
Cyclohexane
Concen: 1.053 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.013 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

Tgt Ion:	56	Resp:	5201
Ion	Ratio	Lower	Upper
56	100		
69	153.2	25.2	37.8#
84	102.9	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.375 ug/l

RT: 5.710 min Scan# 1

Delta R.T. 0.004 min

Lab File: VU044950.D

Acq: 28 Sep 2021 18:41

Instrument :

MSVOA_U

ClientSampleId :

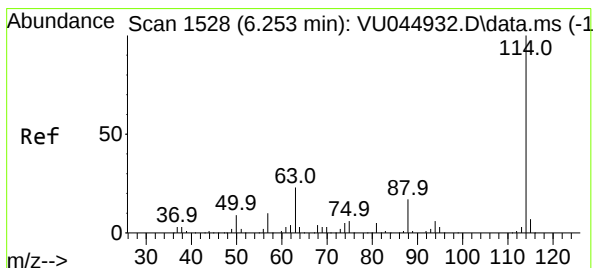
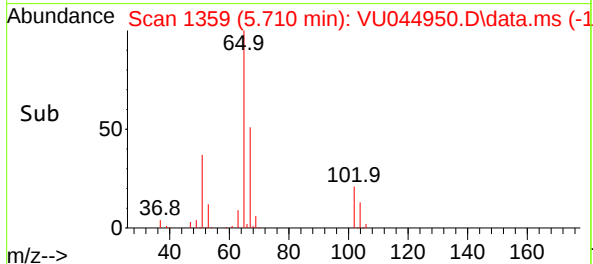
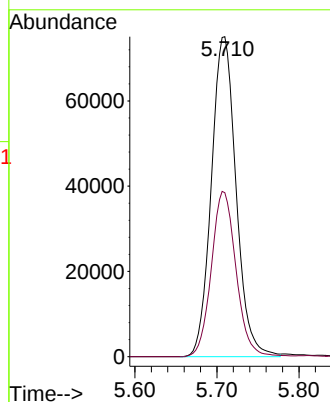
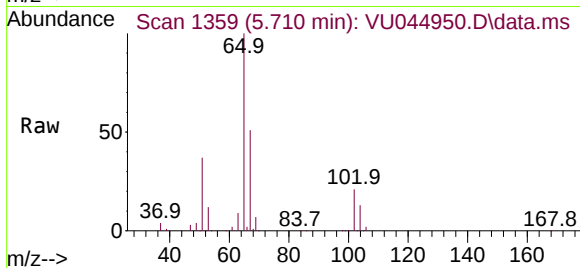
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Tgt Ion: 65 Resp: 157327

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU044950.D

Acq: 28 Sep 2021 18:41

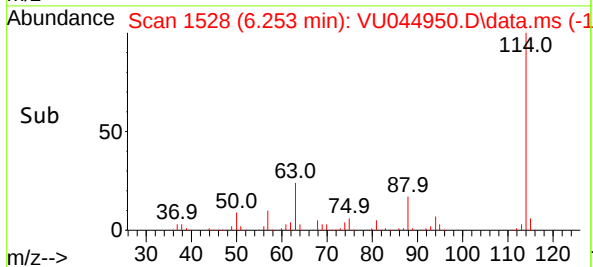
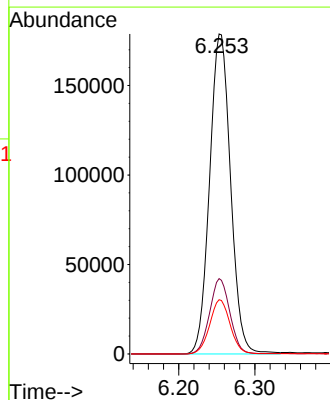
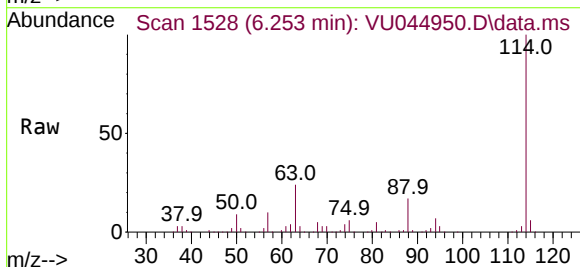
Tgt Ion: 114 Resp: 342594

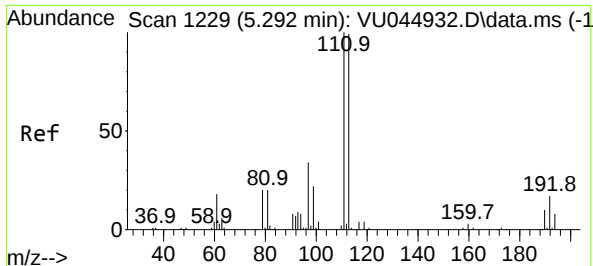
Ion Ratio Lower Upper

114 100

63 23.5 0.0 47.8

88 17.0 0.0 32.8

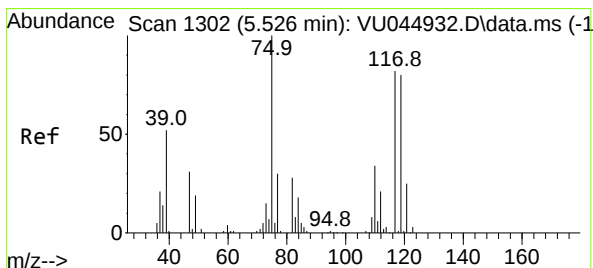
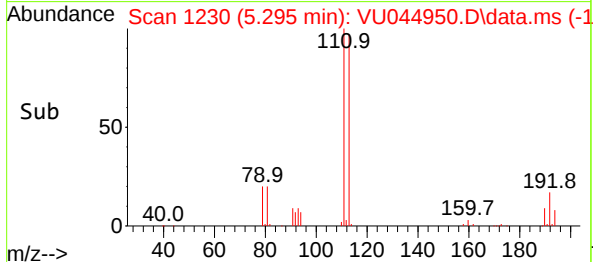
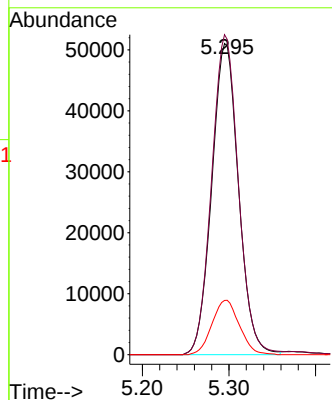
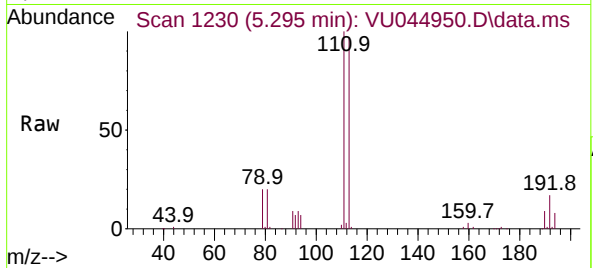




#35
Dibromofluoromethane
Concen: 50.726 ug/l
RT: 5.295 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

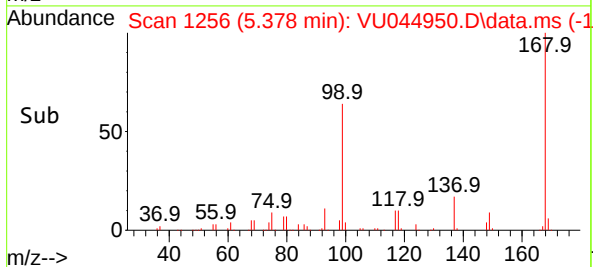
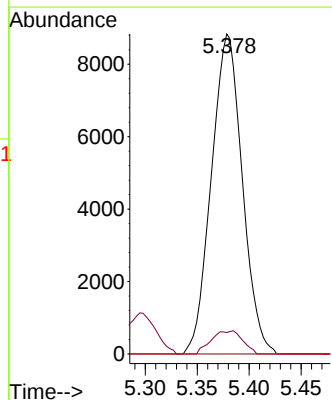
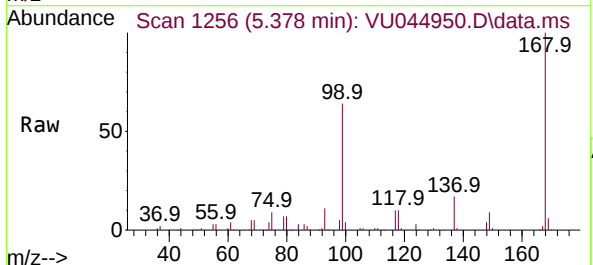
Instrument :
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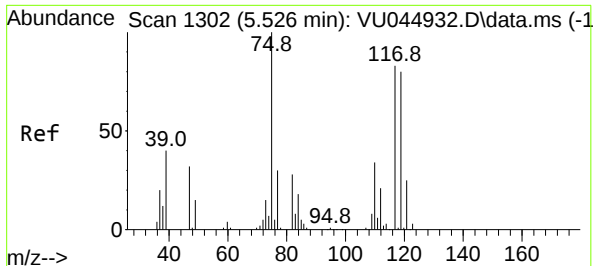
Tgt Ion:113 Resp: 109629
Ion Ratio Lower Upper
113 100
111 102.9 84.1 126.1
192 17.9 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.104 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.148 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

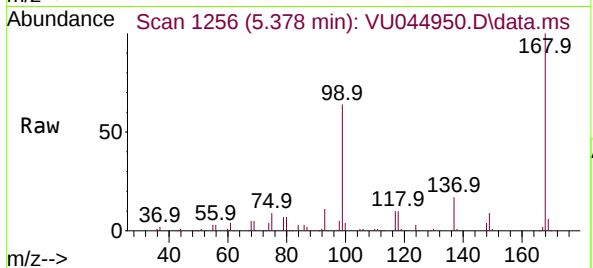
Tgt Ion: 75 Resp: 18287
Ion Ratio Lower Upper
75 100
110 7.3 16.3 48.9#
77 0.0 25.0 37.4#



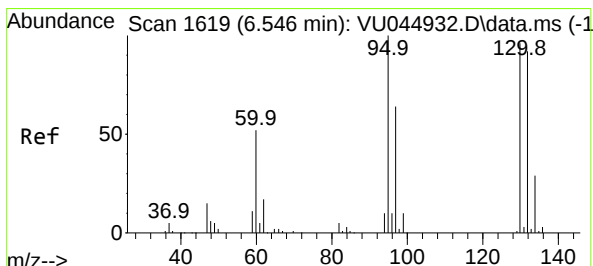
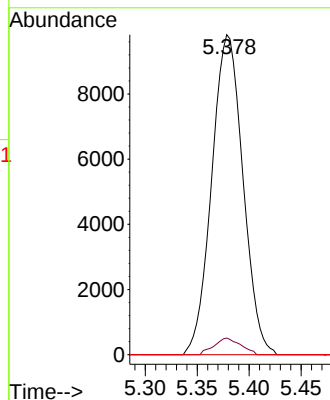
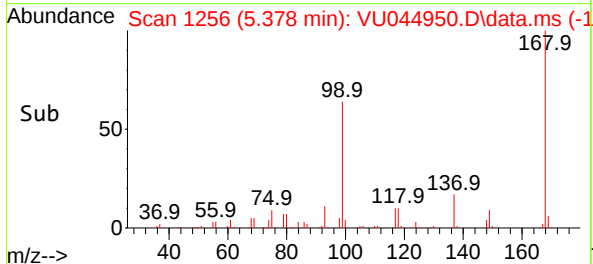


#38
Carbon Tetrachloride
Concen: 6.613 ug/l
RT: 5.378 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

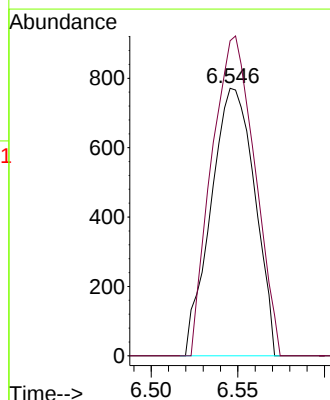
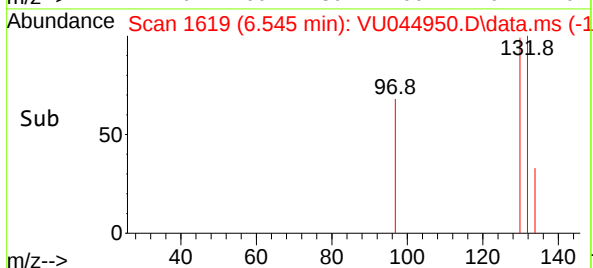
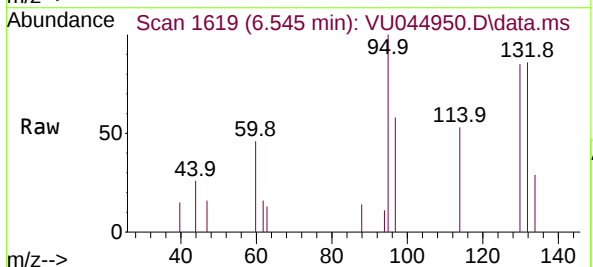


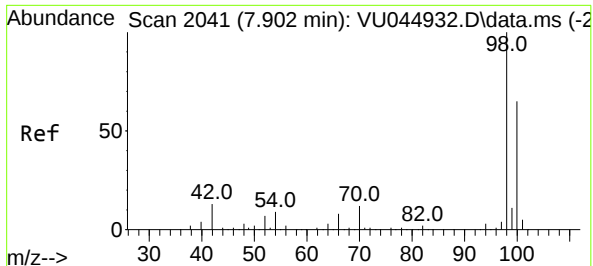
Tgt Ion:117 Resp: 20501
Ion Ratio Lower Upper
117 100
119 5.2 77.4 116.2#
121 0.0 24.5 36.7#



#44
Trichloroethene
Concen: 0.538 ug/l
RT: 6.545 min Scan# 1619
Delta R.T. -0.001 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

Tgt Ion:130 Resp: 1354
Ion Ratio Lower Upper
130 100
95 117.8 0.0 209.0

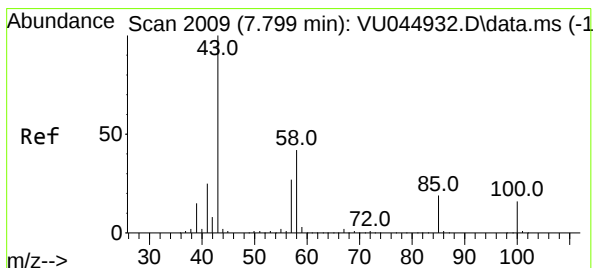
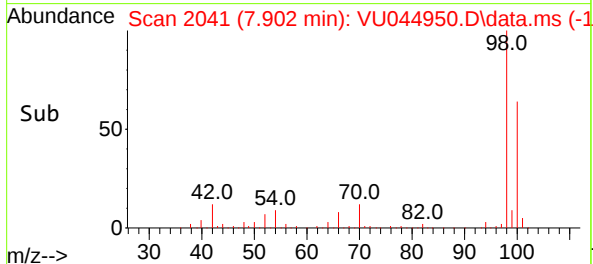
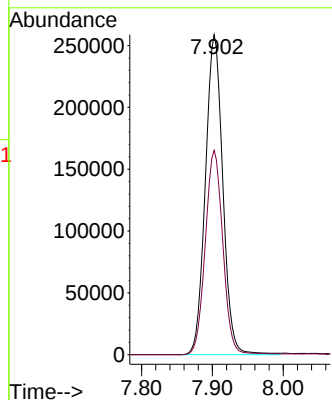
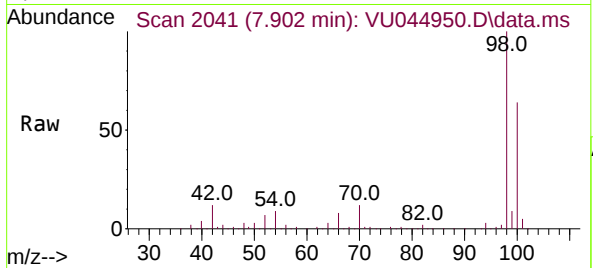




#50
Toluene-d8
Concen: 51.733 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

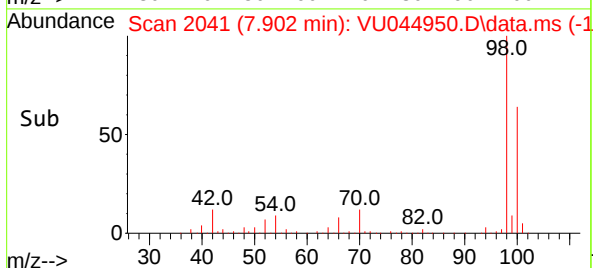
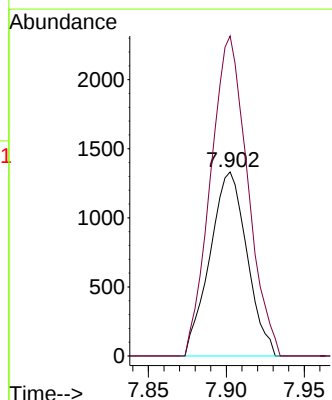
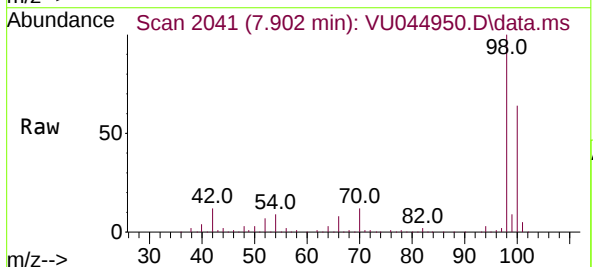
Instrument :
MSVOA_U
ClientSampleId :
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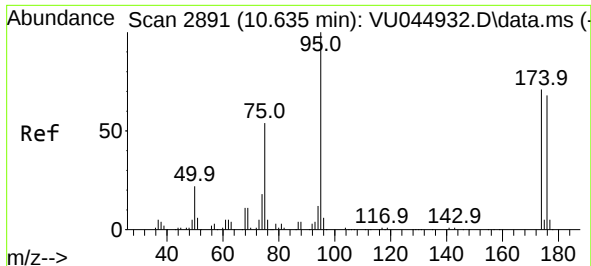
Tgt Ion: 98 Resp: 441760
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.424 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.103 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

Tgt Ion: 43 Resp: 2203
Ion Ratio Lower Upper
43 100
58 173.8 32.4 48.6#

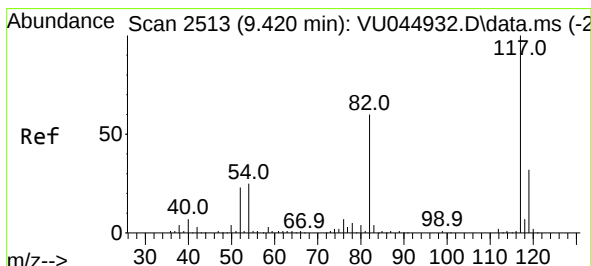
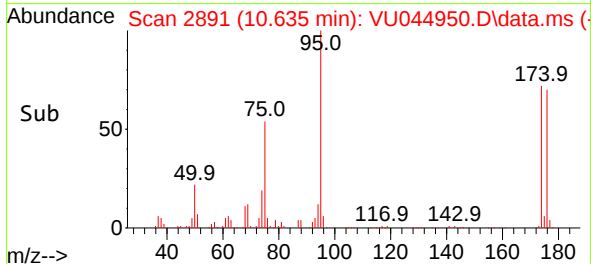
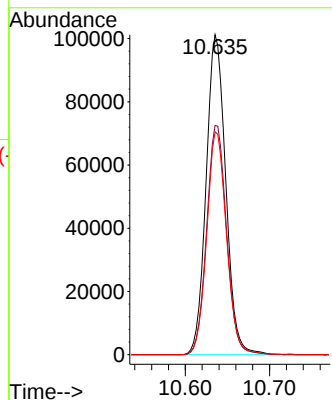
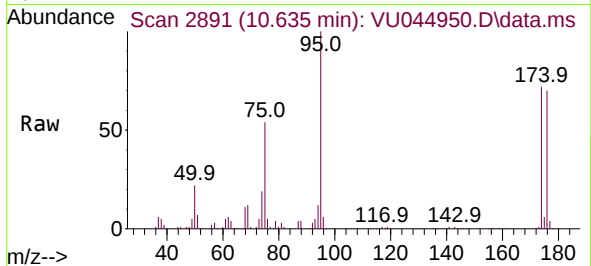




#62
4-Bromofluorobenzene
Concen: 46.472 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

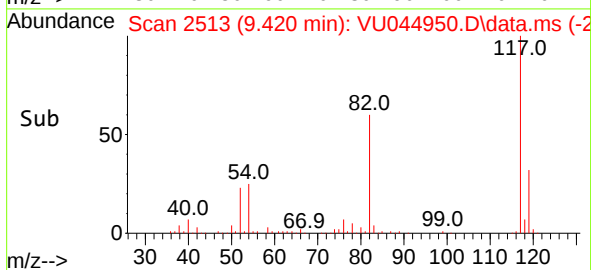
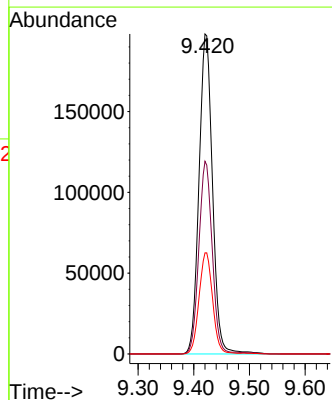
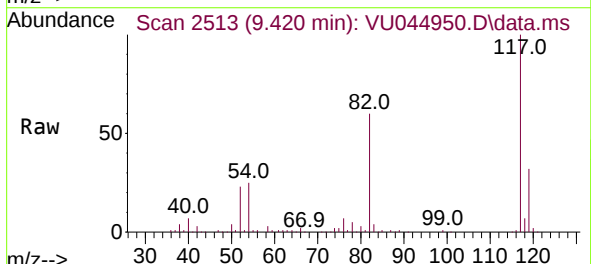
Instrument :
MSVOA_U
ClientSampleId :
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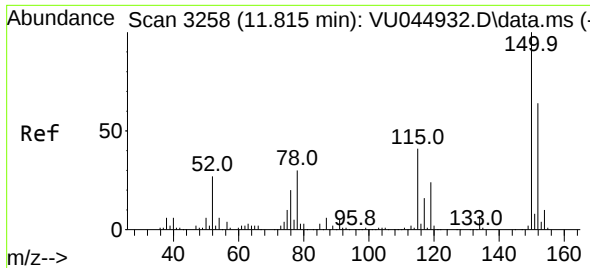
Tgt Ion: 95 Resp: 163834
Ion Ratio Lower Upper
95 100
174 73.1 0.0 146.6
176 70.1 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044950.D
Acq: 28 Sep 2021 18:41

Tgt Ion: 117 Resp: 333268
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 31.6 25.8 38.6

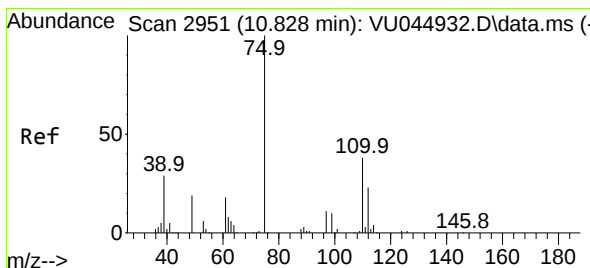
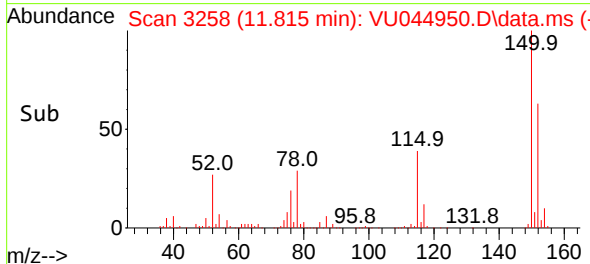
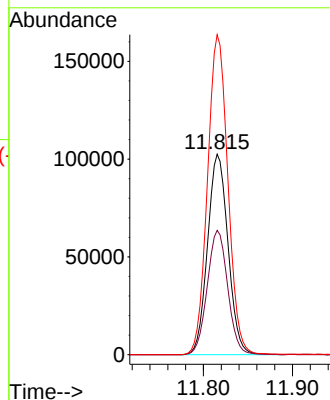
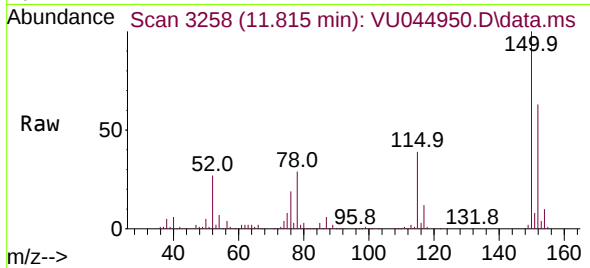




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU044950.D
 Acq: 28 Sep 2021 18:41

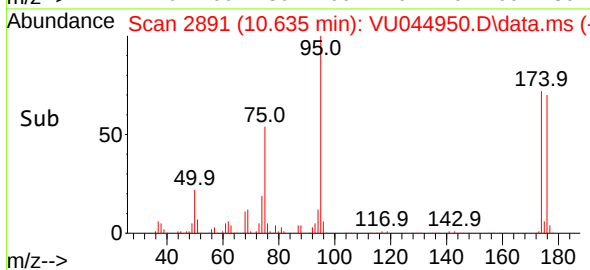
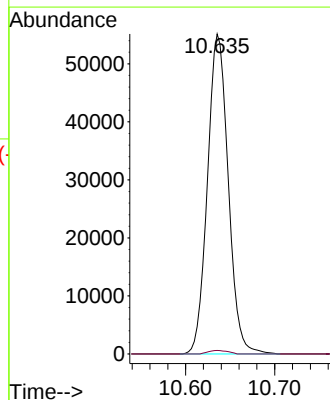
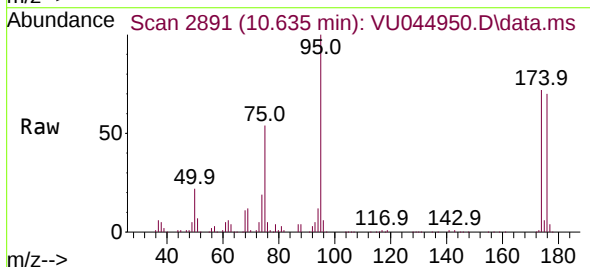
Instrument :
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 ClientSampleId :
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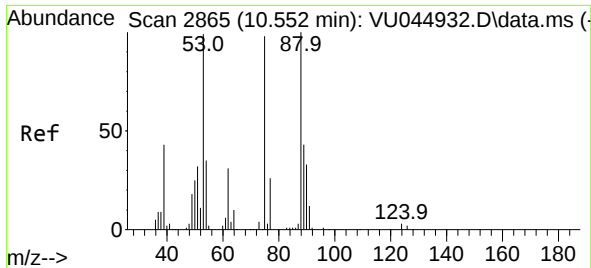
Tgt Ion:152 Resp: 163751
 Ion Ratio Lower Upper
 152 100
 115 62.0 43.5 130.7
 150 158.8 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 18.696 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU044950.D
 Acq: 28 Sep 2021 18:41

Tgt Ion: 75 Resp: 89298
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.885 ug/l
 RT: 10.635 min Scan# 21
 Delta R.T. 0.083 min
 Lab File: VU044950.D
 Acq: 28 Sep 2021 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

Tgt Ion: 75 Resp: 89298
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

