

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093021\
 Data File : VU045055.D
 Acq On : 30 Sep 2021 18:24
 Operator : SY/MD
 Sample : M3966-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 01 05:41:18 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)

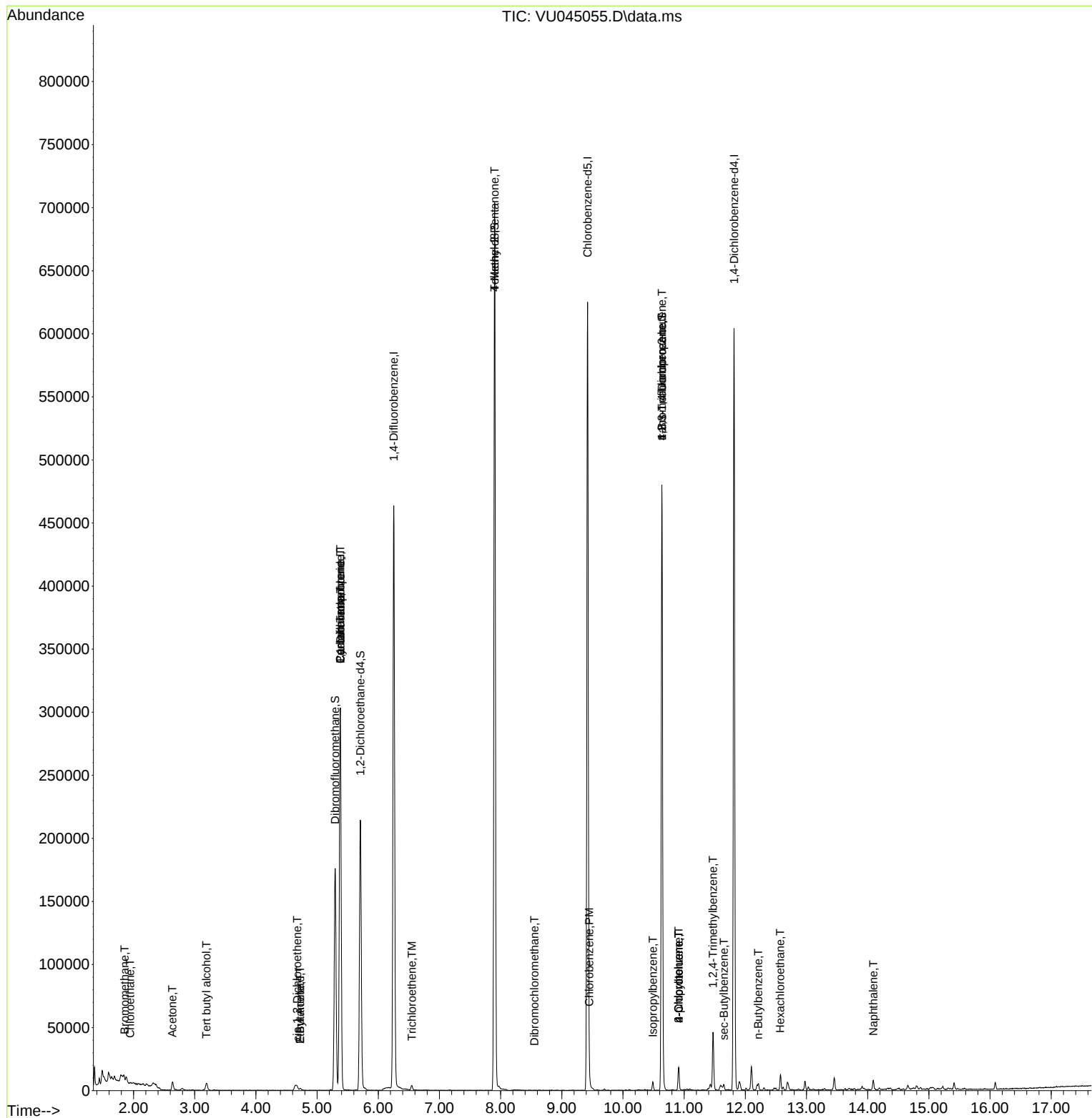
Internal Standards						
1) Pentafluorobenzene	5.379	168	199185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	358976	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	328962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	144814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	163521	49.317	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.640%		
35) Dibromofluoromethane	5.295	113	112573	49.711	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.420%		
50) Toluene-d8	7.903	98	449423	50.228	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.460%		
62) 4-Bromofluorobenzene	10.636	95	155968	42.222	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.440%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.855	94	418	0.334	ug/l	95
6) Chloroethane	1.945	64	670	0.273	ug/l #	47
11) Tert butyl alcohol	3.189	59	4087	4.295	ug/l #	72
16) Acetone	2.636	43	8525	4.332	ug/l	97
25) 2-Butanone	4.723	43	2687	0.961	ug/l	99
27) cis-1,2-Dichloroethene	4.675	96	1236	0.405	ug/l	91
31) Cyclohexane	5.379	56	5098	1.012	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	18267	4.866	ug/l #	50
37) Ethyl Acetate	4.723	43	2687	0.541	ug/l #	69
38) Carbon Tetrachloride	5.379	117	20975	6.457	ug/l #	16
44) Trichloroethene	6.549	130	1219	0.462	ug/l	98
51) 4-Methyl-2-Pentanone	7.900	43	2300	0.423	ug/l #	1
60) Dibromochloromethane	8.552	129	19	2.182	ug/l #	10
65) Chlorobenzene	9.449	112	2409	0.349	ug/l	99
73) Isopropylbenzene	10.488	105	4588	0.425	ug/l	94
76) 1,2,3-Trichloropropane	10.636	75	85621	20.270	ug/l #	41
78) n-propylbenzene	10.909	91	14642	1.114	ug/l	97
79) 2-Chlorotoluene	10.909	91	14642	1.777	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.636	75	85621	56.254	ug/l #	9
82) 4-Chlorotoluene	10.909	91	14642	1.573	ug/l #	47
84) 1,2,4-Trimethylbenzene	11.472	105	17754	1.900	ug/l	99
85) sec-Butylbenzene	11.649	105	3492	0.295	ug/l	90
89) n-Butylbenzene	12.211	91	2487	0.284	ug/l	88
90) Hexachloroethane	12.568	117	732	0.426	ug/l #	15
95) Naphthalene	14.092	128	6242	0.584	ug/l	99

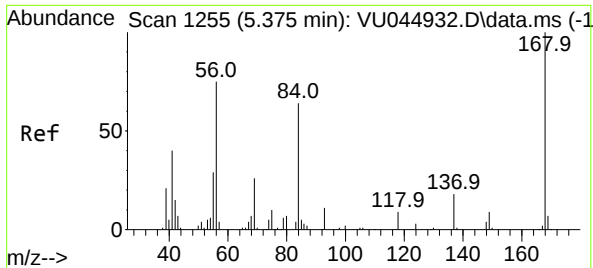
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Oct 01 05:41:18 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

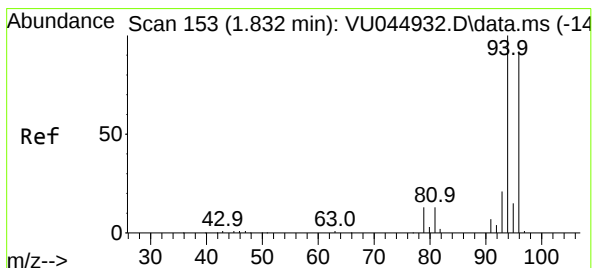
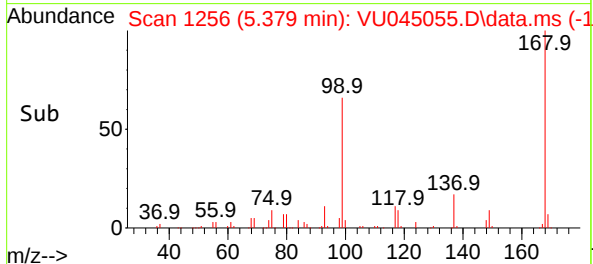
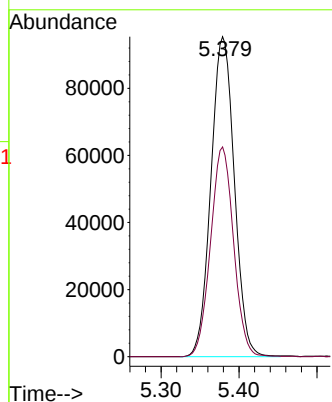
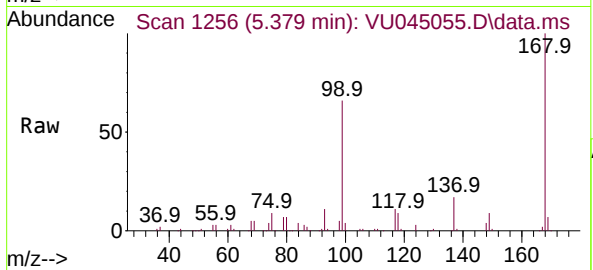




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.004 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

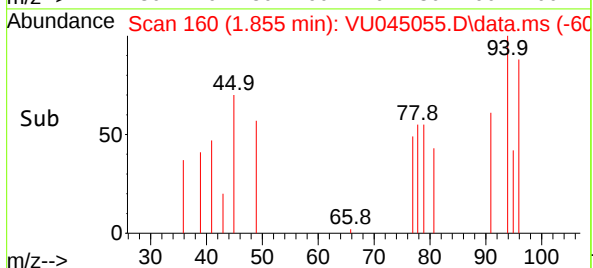
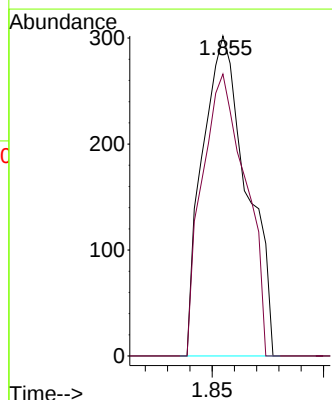
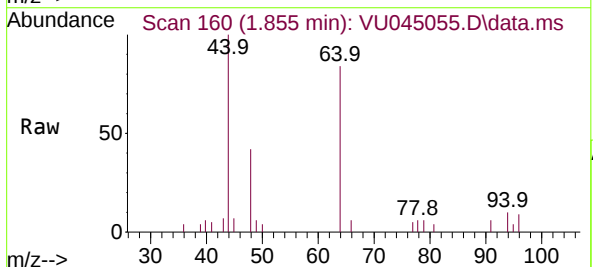
Instrument :
MSVOA_U
ClientSampleId :

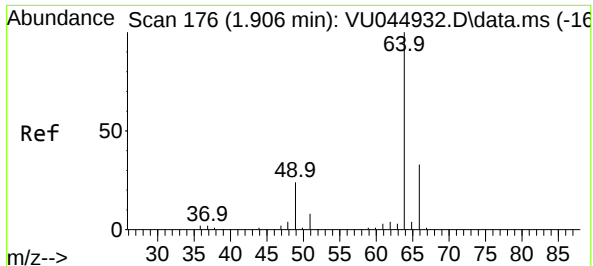
Tgt Ion:168 Resp: 199185
Ion Ratio Lower Upper
168 100
99 65.6 51.4 77.0



#5
Bromomethane
Concen: 0.334 ug/l
RT: 1.855 min Scan# 160
Delta R.T. 0.023 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

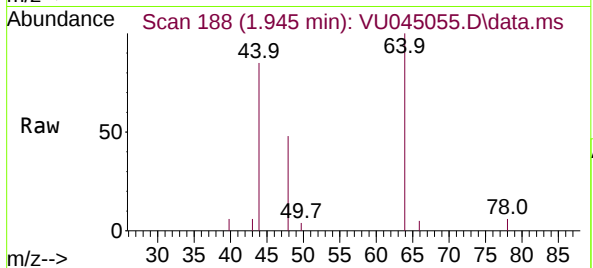
Tgt Ion: 94 Resp: 418
Ion Ratio Lower Upper
94 100
96 88.1 74.5 111.7



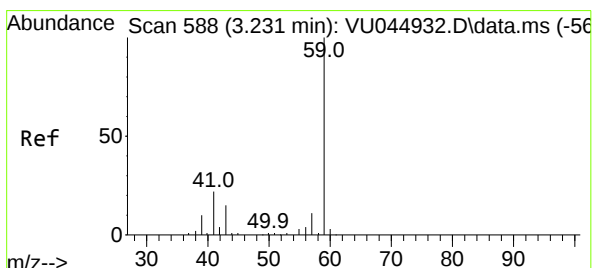
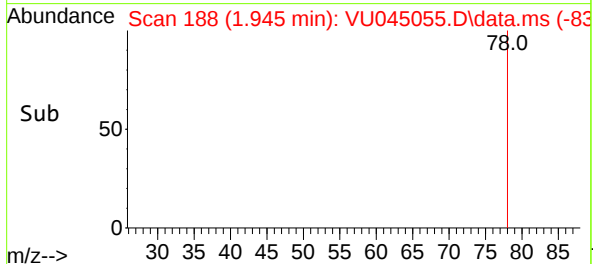
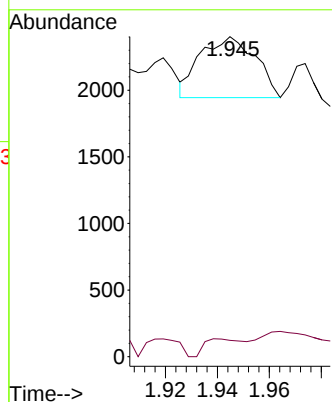


#6
Chloroethane
Concen: 0.273 ug/l
RT: 1.945 min Scan# 188
Delta R.T. 0.039 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Instrument :
MSVOA_U
ClientSampled :

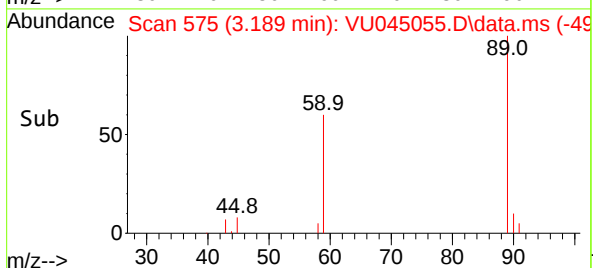
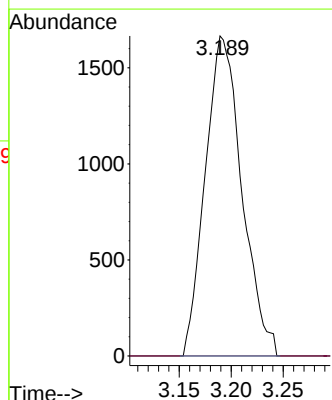
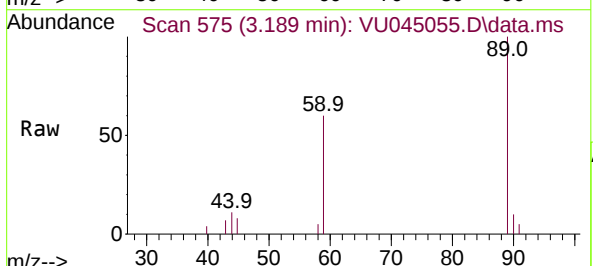


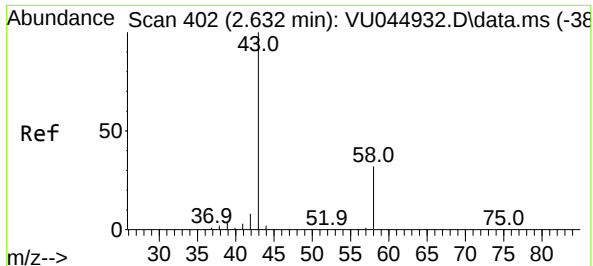
Tgt Ion: 64 Resp: 670
Ion Ratio Lower Upper
64 100
66 2.8 25.8 38.8#



#11
Tert butyl alcohol
Concen: 4.295 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.042 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Tgt Ion: 59 Resp: 4087
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

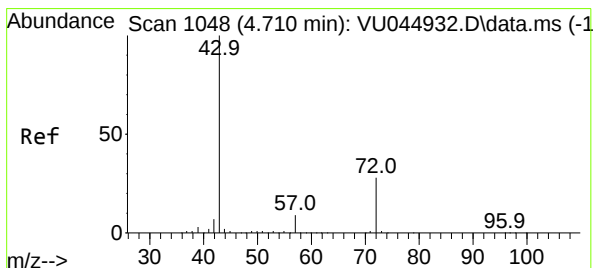
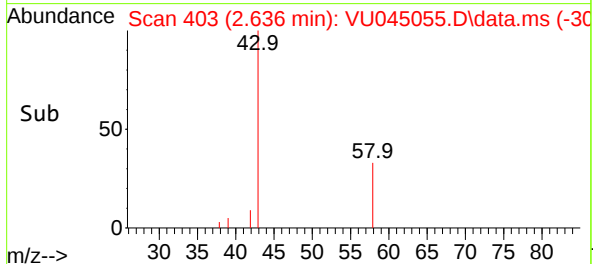
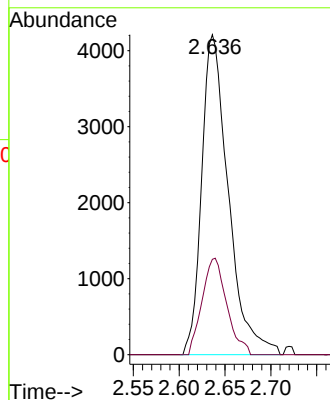
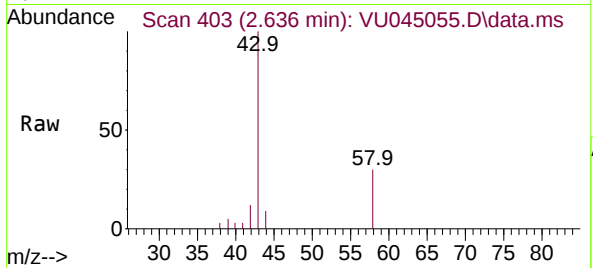




#16
Acetone
Concen: 4.332 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.004 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

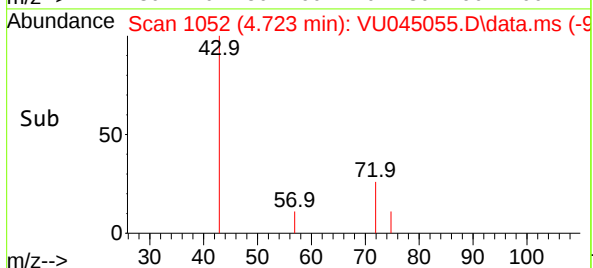
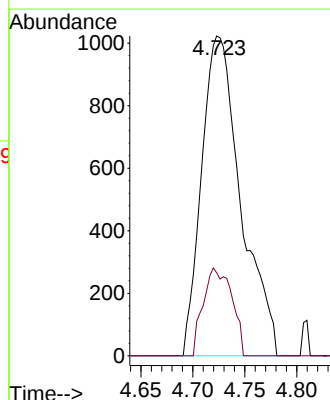
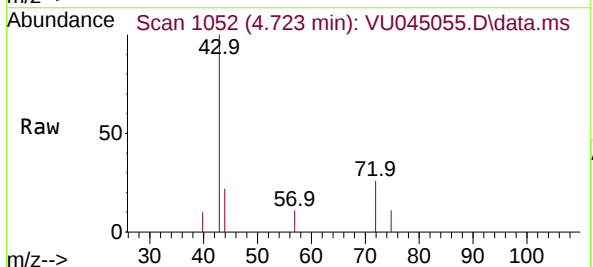
Instrument :
MSVOA_U
ClientSampled :

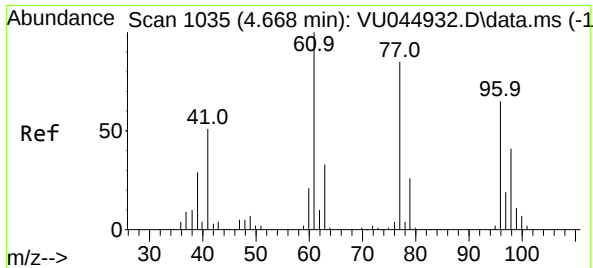
Tgt Ion: 43 Resp: 8525
Ion Ratio Lower Upper
43 100
58 29.8 25.2 37.8



#25
2-Butanone
Concen: 0.961 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Tgt Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
72 26.0 21.3 31.9



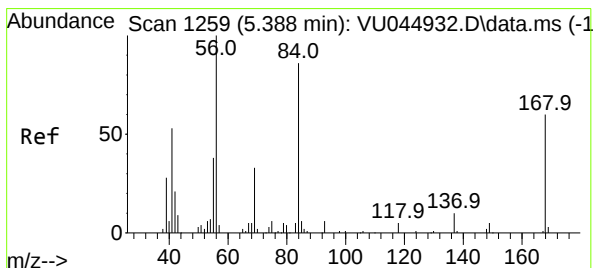
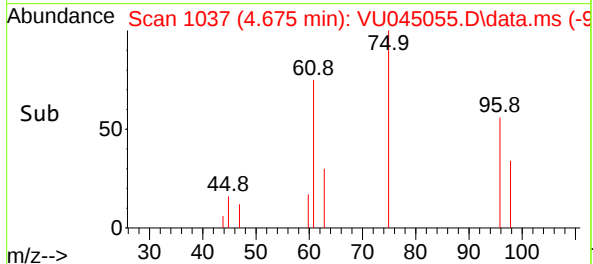
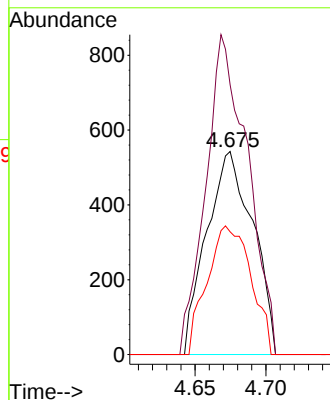
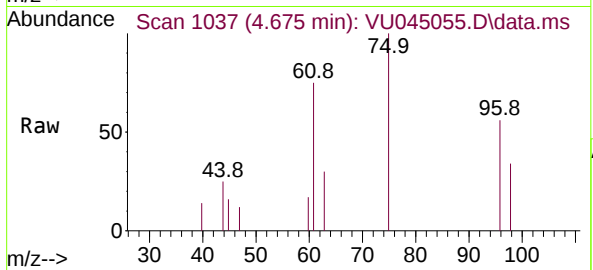


#27

cis-1,2-Dichloroethene
Concen: 0.405 ug/l
RT: 4.675 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Instrument :
MSVOA_U
ClientSampled :

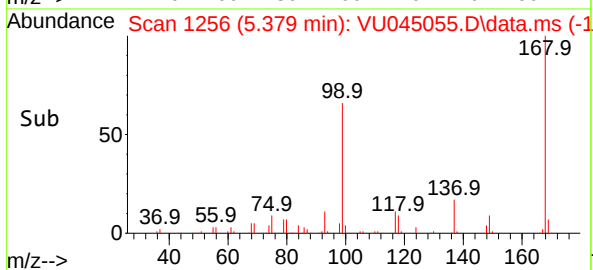
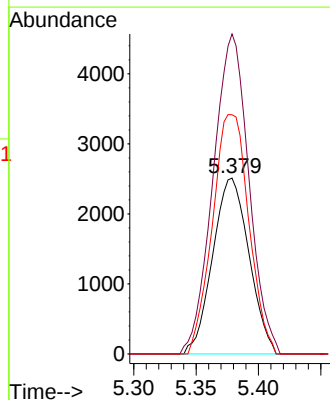
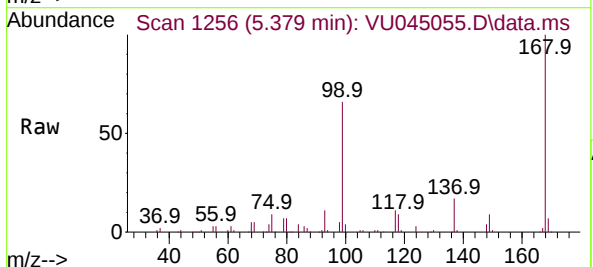
Tgt Ion:	96	Resp:	1236
Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	313.4
98	60.0	0.0	127.0

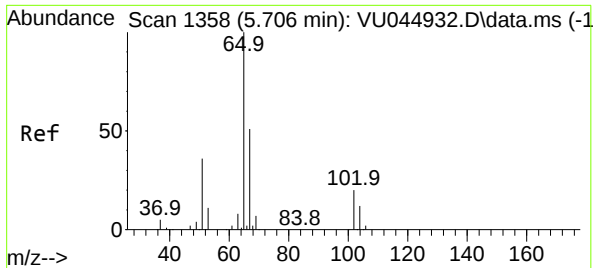


#31

Cyclohexane
Concen: 1.012 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.009 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Tgt Ion:	56	Resp:	5098
Ion	Ratio	Lower	Upper
56	100		
69	181.9	25.2	37.8#
84	136.0	66.4	99.6#

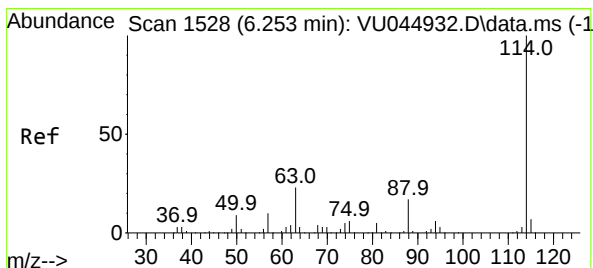
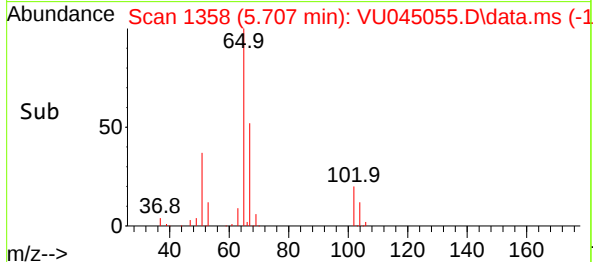
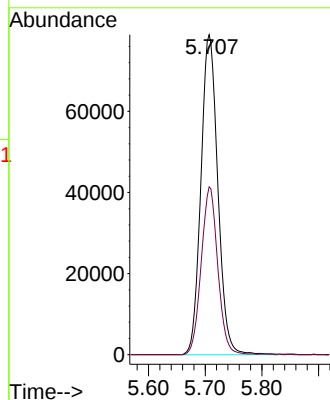
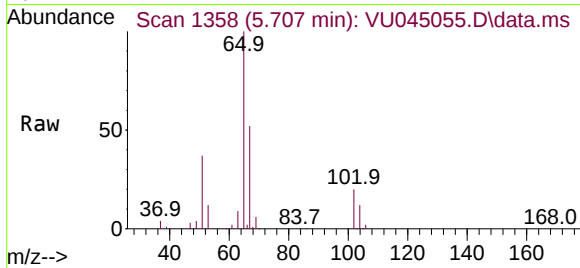




#33
 1,2-Dichloroethane-d4
 Concen: 49.317 ug/l
 RT: 5.707 min Scan# 1358
 Delta R.T. 0.001 min
 Lab File: VU045055.D
 Acq: 30 Sep 2021 18:24

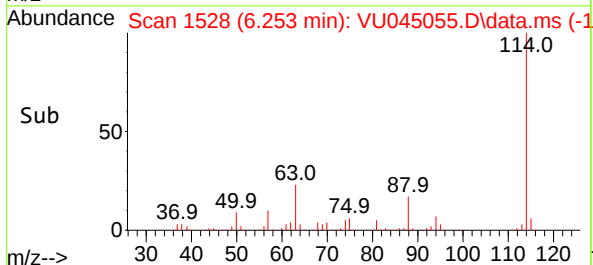
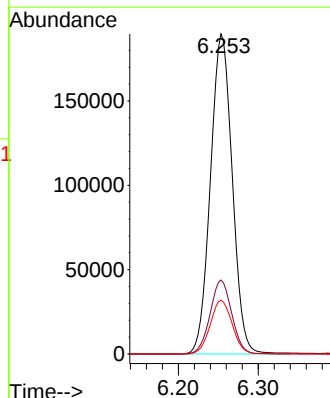
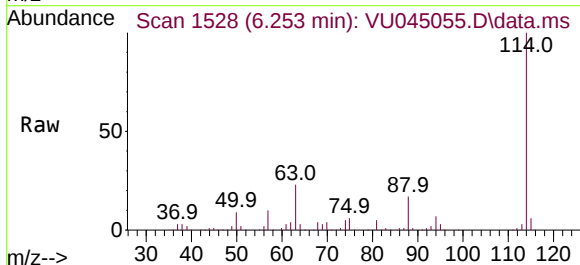
Instrument :
 MSVOA_U
 ClientSampled :

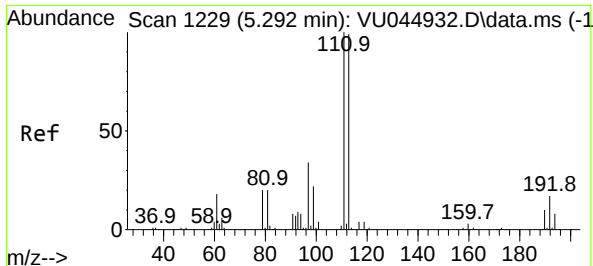
Tgt Ion: 65 Resp: 163521
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.253 min Scan# 1528
 Delta R.T. 0.000 min
 Lab File: VU045055.D
 Acq: 30 Sep 2021 18:24

Tgt Ion: 114 Resp: 358976
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.8
 88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.711 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU045055.D

Acq: 30 Sep 2021 18:24

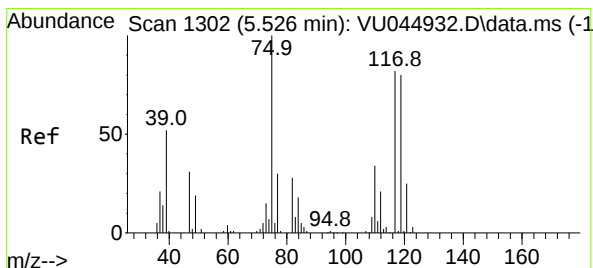
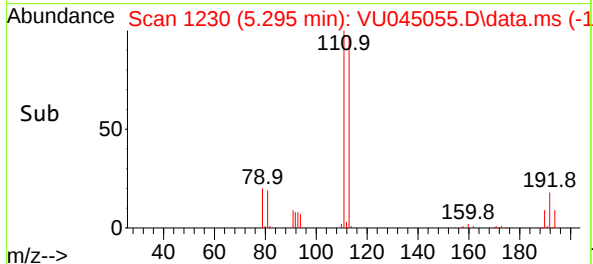
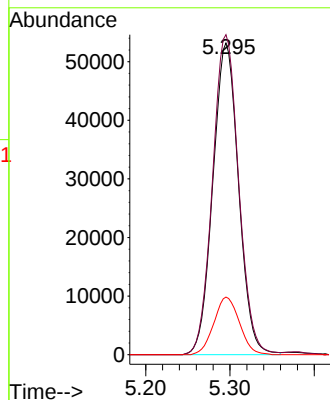
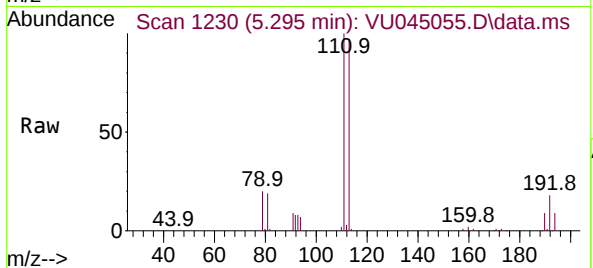
Tgt Ion: 113 Resp: 112573

Ion Ratio Lower Upper

113 100

111 104.6 84.1 126.1

192 18.4 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU045055.D

Acq: 30 Sep 2021 18:24

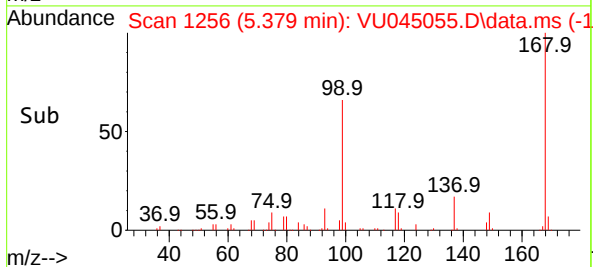
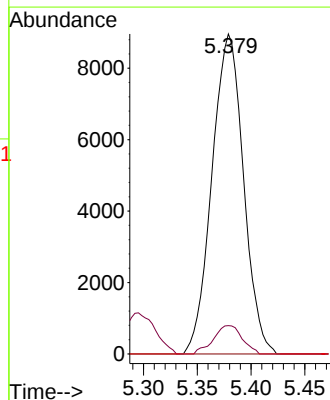
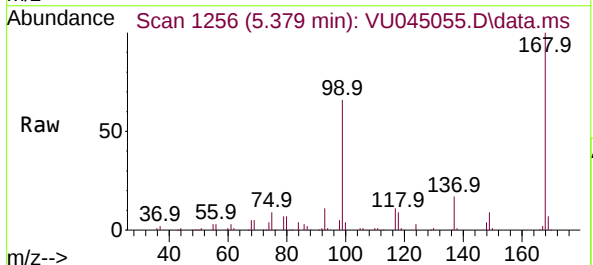
Tgt Ion: 75 Resp: 18267

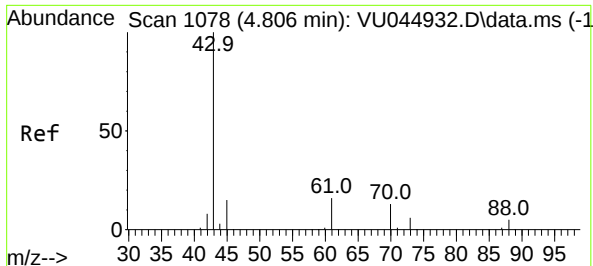
Ion Ratio Lower Upper

75 100

110 8.1 16.3 48.9#

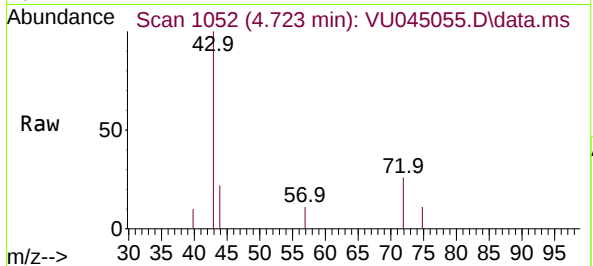
77 0.0 25.0 37.4#



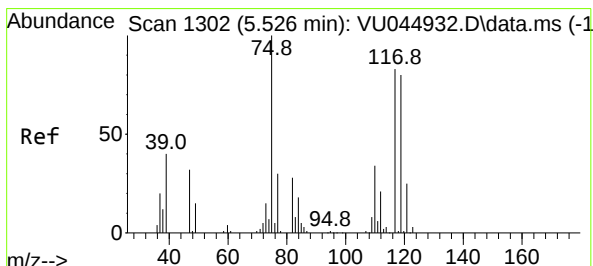
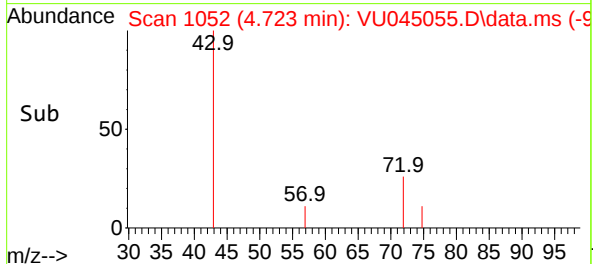
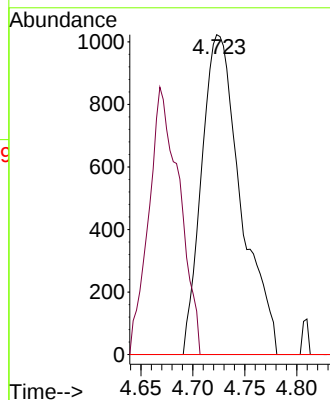


#37
Ethyl Acetate
Concen: 0.541 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. -0.083 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Instrument :
MSVOA_U
ClientSampleId :

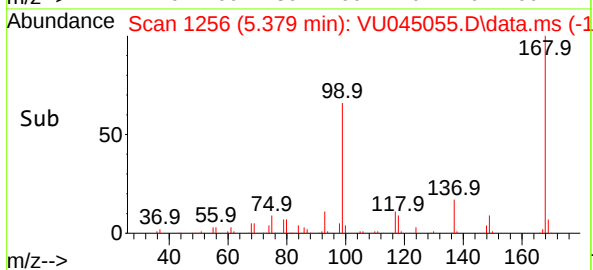
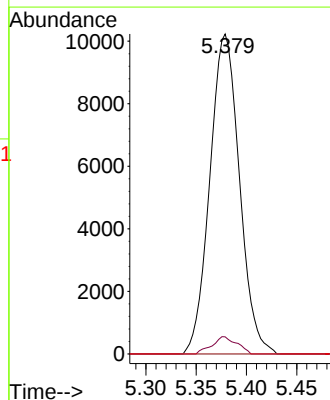
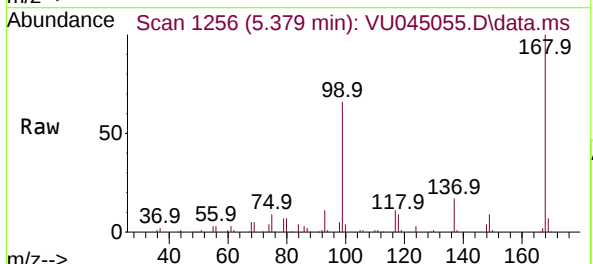


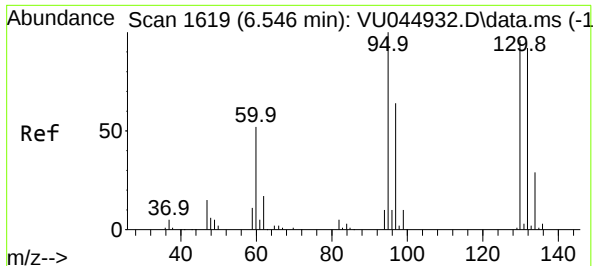
Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



#38
Carbon Tetrachloride
Concen: 6.457 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.4	116.2#
121	0.0	24.5	36.7#

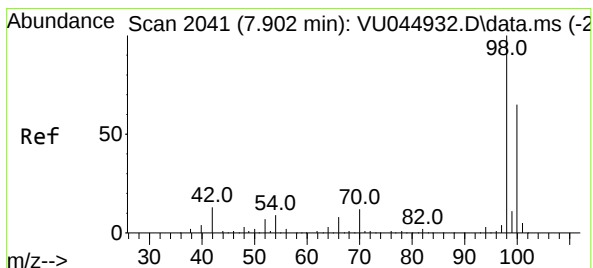
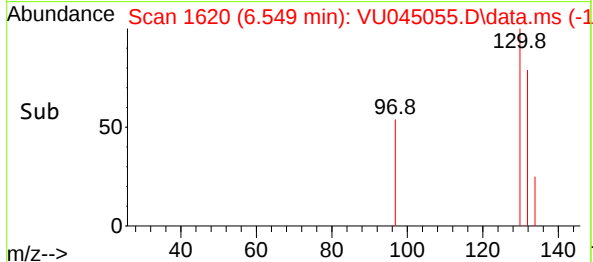
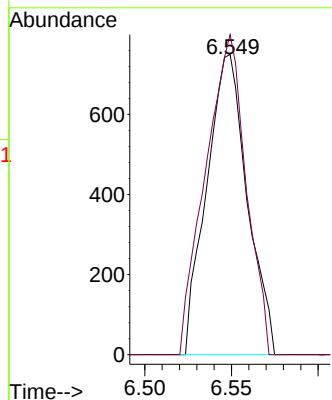
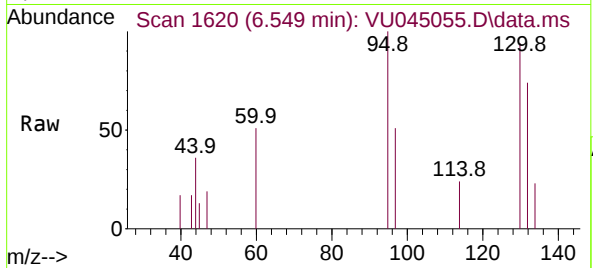




#44
Trichloroethene
Concen: 0.462 ug/l
RT: 6.549 min Scan# 1620
Delta R.T. 0.003 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

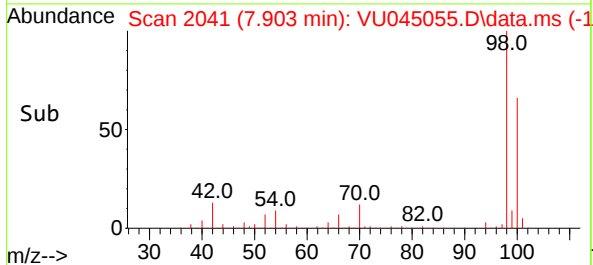
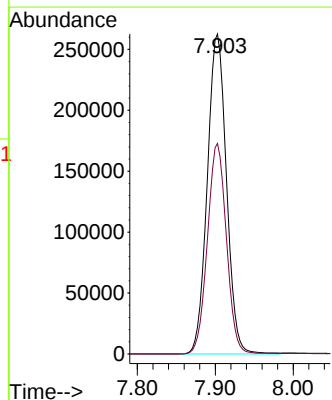
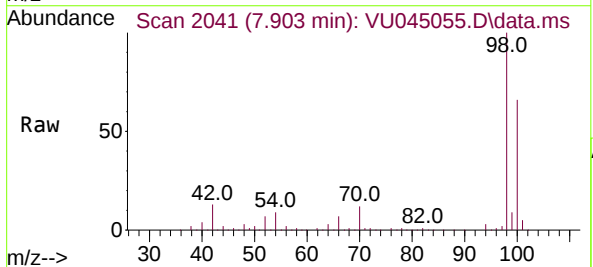
Instrument :
MSVOA_U
ClientSampleId :

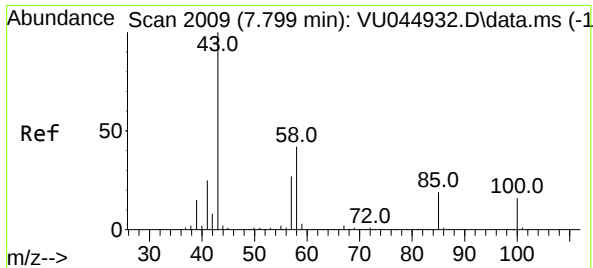
Tgt Ion:130 Resp: 1219
Ion Ratio Lower Upper
130 100
95 106.5 0.0 209.0



#50
Toluene-d8
Concen: 50.228 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Tgt Ion: 98 Resp: 449423
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

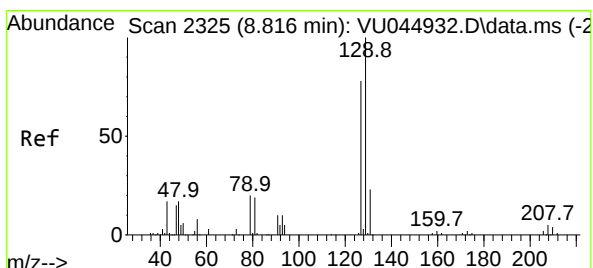
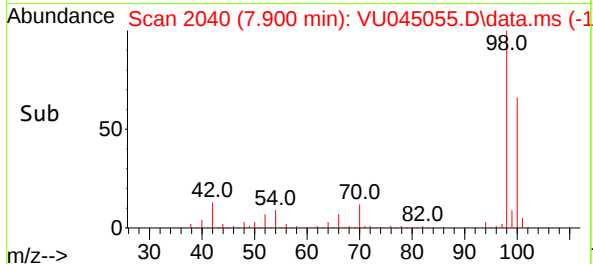
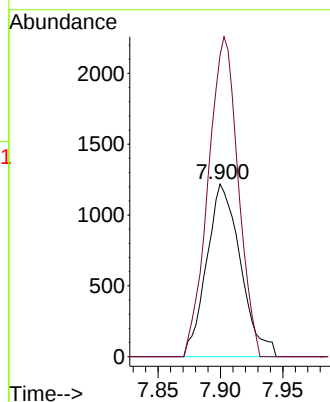
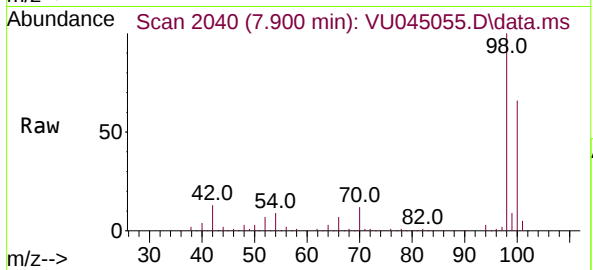




#51
4-Methyl-2-Pentanone
Concen: 0.423 ug/l
RT: 7.900 min Scan# 2040
Delta R.T. 0.101 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

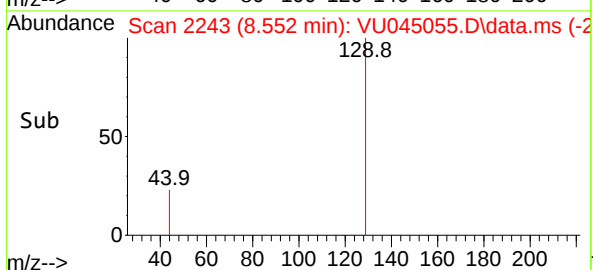
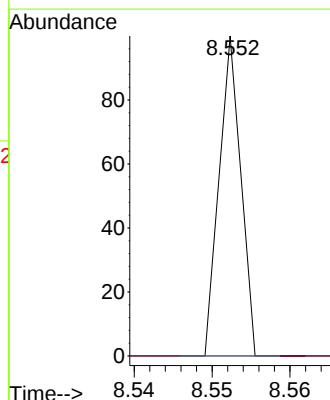
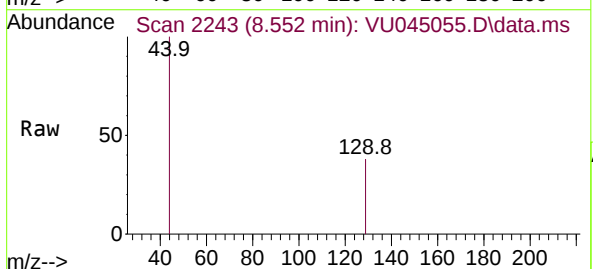
Instrument :
MSVOA_U
ClientSampled :

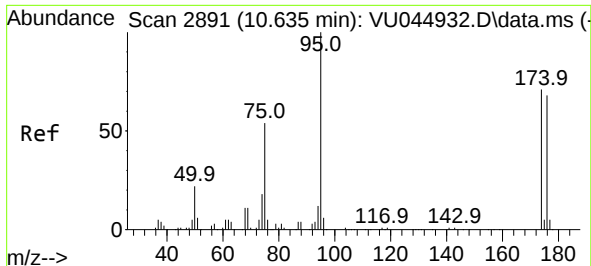
Tgt Ion: 43 Resp: 2300
Ion Ratio Lower Upper
43 100
58 164.6 32.4 48.6#



#60
Dibromochloromethane
Concen: 2.182 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. -0.264 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Tgt Ion: 129 Resp: 19
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

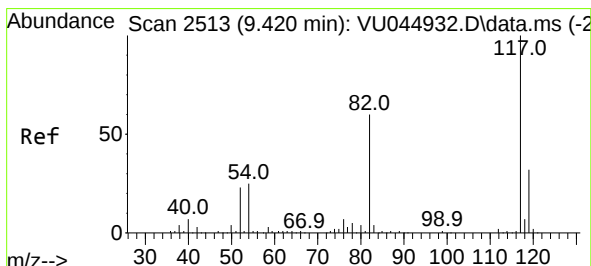
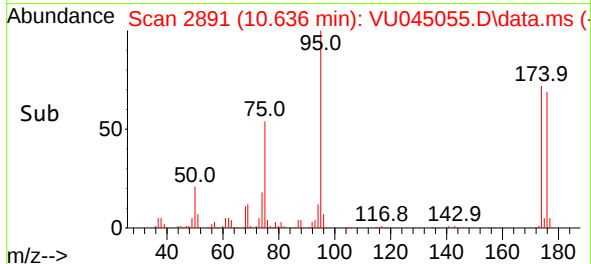
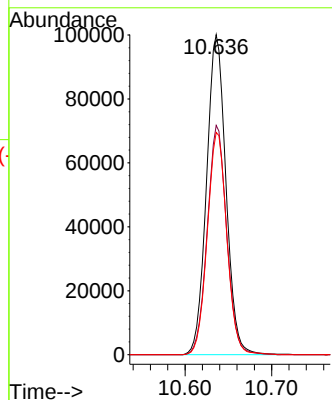
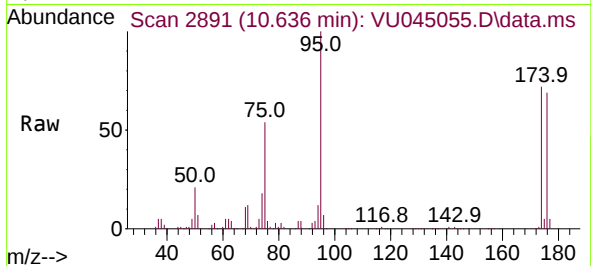




#62
4-Bromofluorobenzene
Concen: 42.222 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

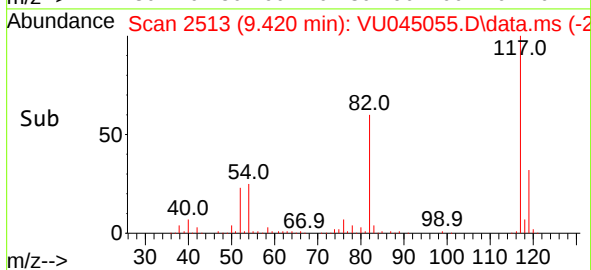
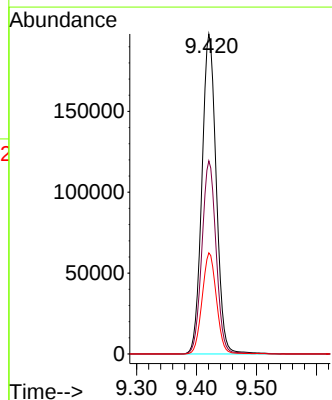
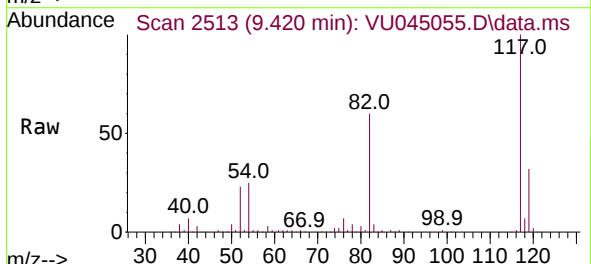
Instrument :
MSVOA_U
ClientSampleId :

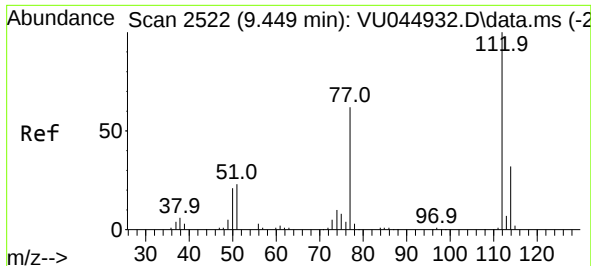
Tgt Ion: 95 Resp: 155968
Ion Ratio Lower Upper
95 100
174 71.6 0.0 146.6
176 69.7 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Tgt Ion: 117 Resp: 328962
Ion Ratio Lower Upper
117 100
82 60.3 47.8 71.8
119 31.6 25.8 38.6

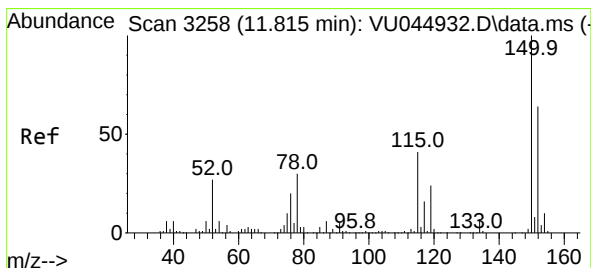
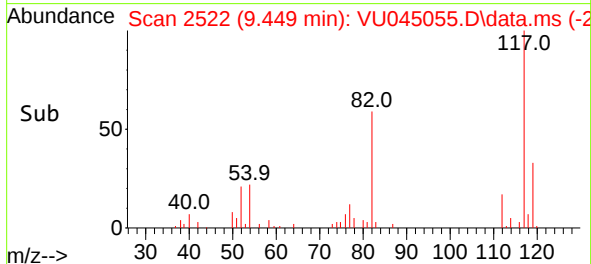
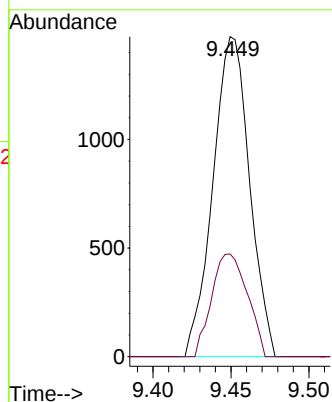
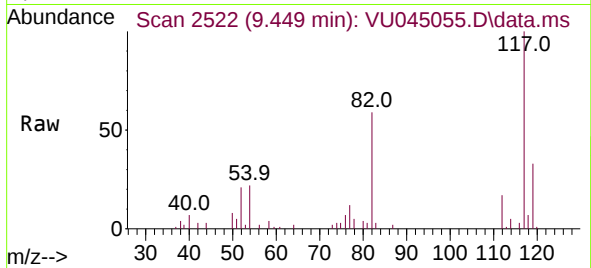




#65
Chlorobenzene
Concen: 0.349 ug/l
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

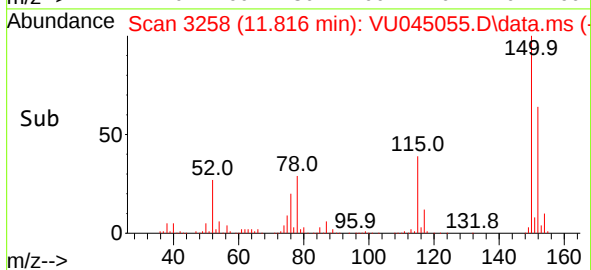
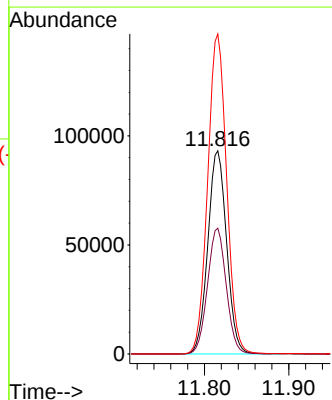
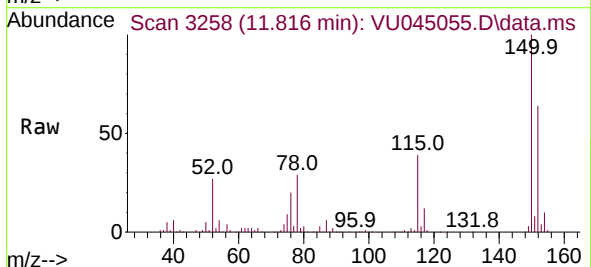
Instrument :
MSVOA_U
ClientSampled :

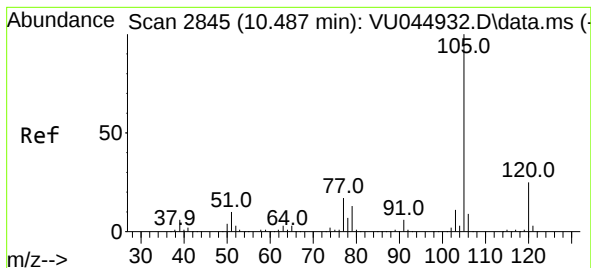
Tgt Ion:112 Resp: 2409
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Tgt Ion:152 Resp: 144814
Ion Ratio Lower Upper
152 100
115 61.5 43.5 130.7
150 158.2 0.0 350.0





#73

Isopropylbenzene

Concen: 0.425 ug/l

RT: 10.488 min Scan# 2845

Delta R.T. 0.001 min

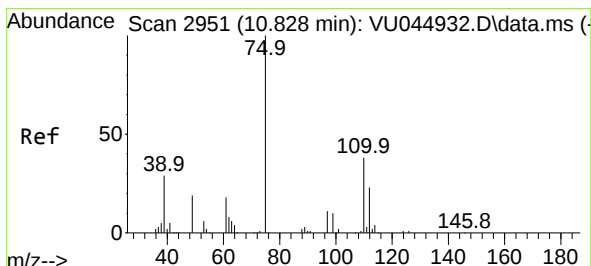
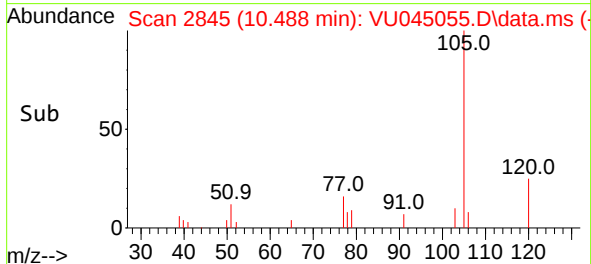
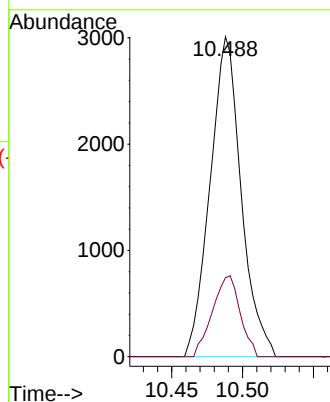
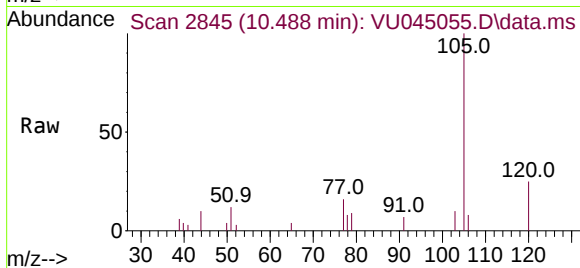
Lab File: VU045055.D

Acq: 30 Sep 2021 18:24

Tgt Ion:105 Resp: 4588

Ion Ratio Lower Upper

105	100		
120	22.5	12.8	38.3



#76

1,2,3-Trichloropropane

Concen: 20.270 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. -0.192 min

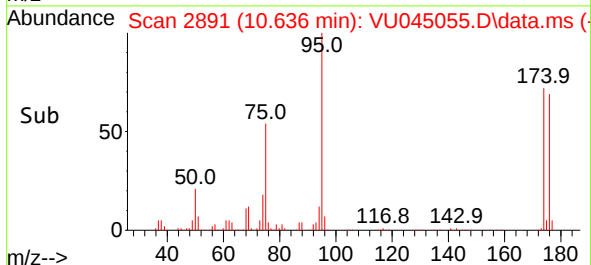
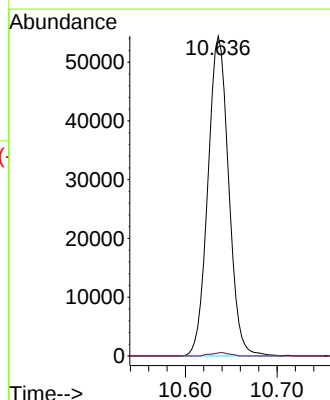
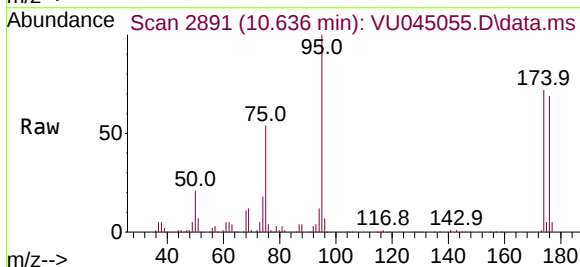
Lab File: VU045055.D

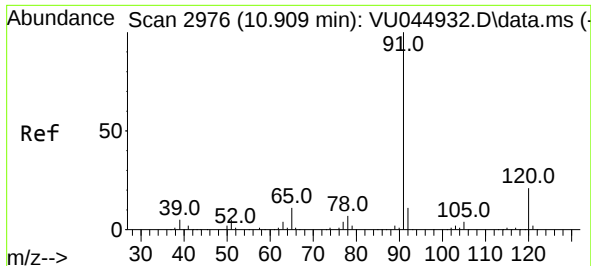
Acq: 30 Sep 2021 18:24

Tgt Ion: 75 Resp: 85621

Ion Ratio Lower Upper

75	100		
77	0.9	17.9	53.7#

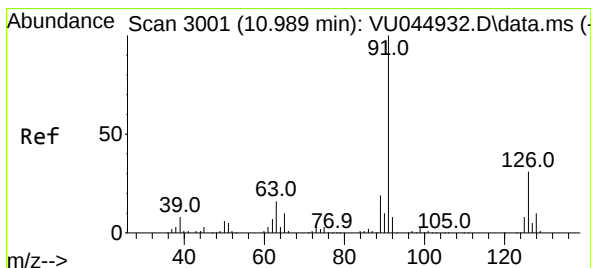
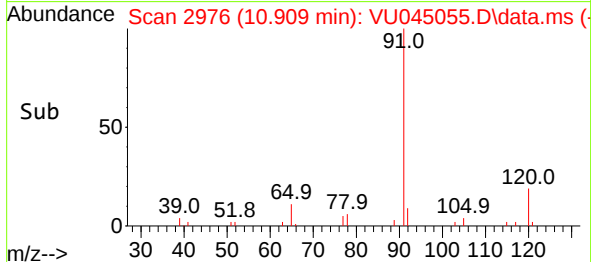
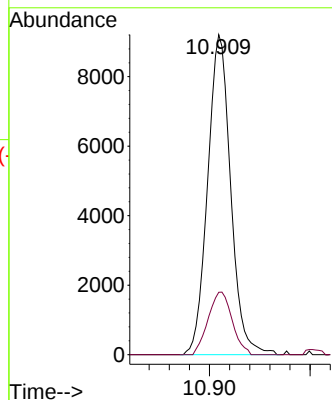
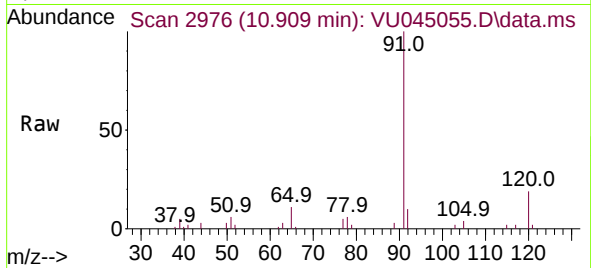




#78
n-propylbenzene
Concen: 1.114 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.000 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

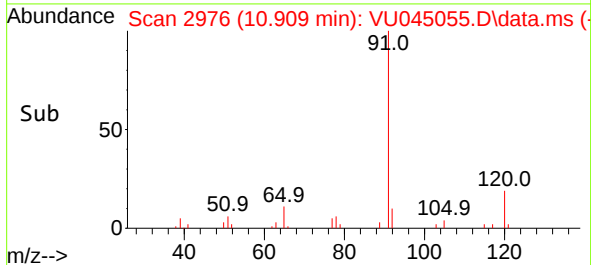
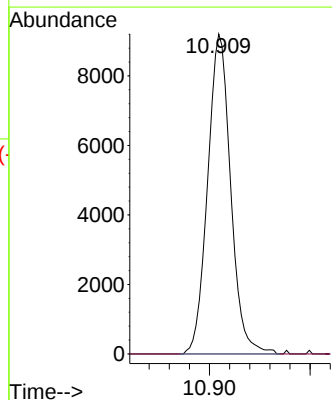
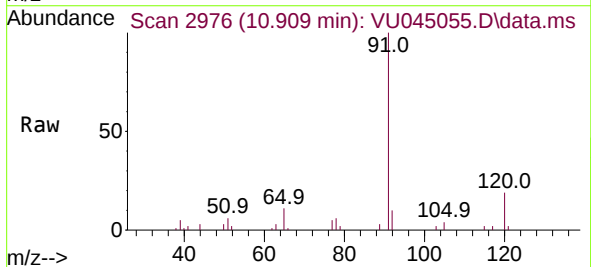
Instrument :
MSVOA_U
ClientSampled :

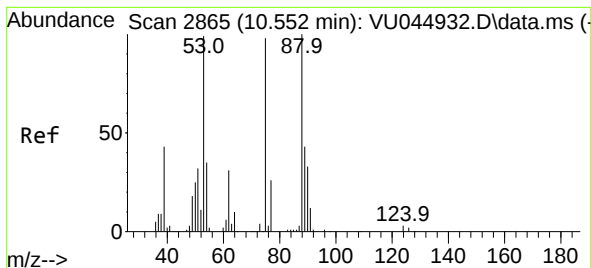
Tgt Ion: 91 Resp: 14642
Ion Ratio Lower Upper
91 100
120 20.4 10.8 32.4



#79
2-Chlorotoluene
Concen: 1.777 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.080 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Tgt Ion: 91 Resp: 14642
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.0#

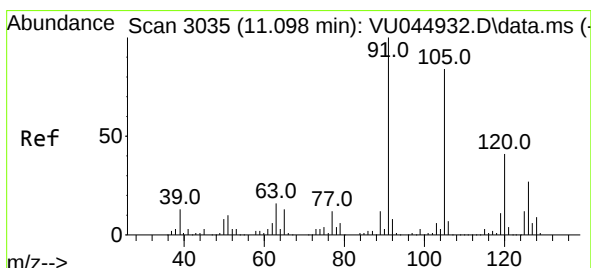
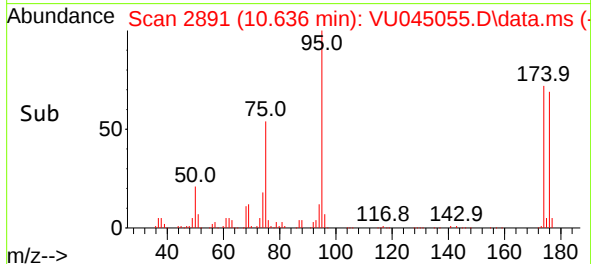
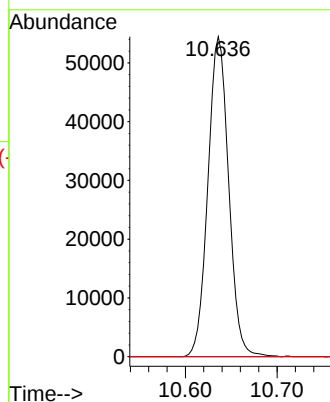
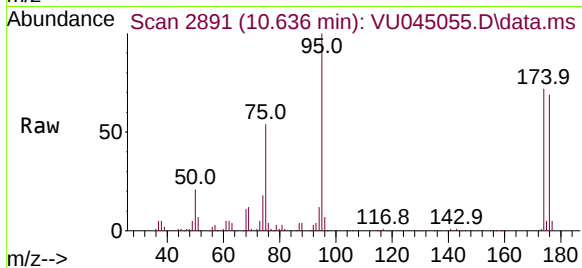




#81
trans-1,4-Dichloro-2-butene
Concen: 56.254 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

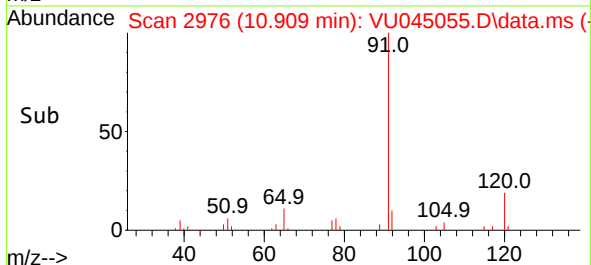
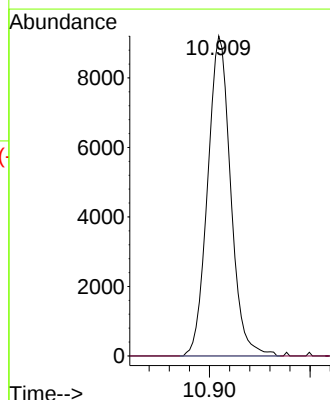
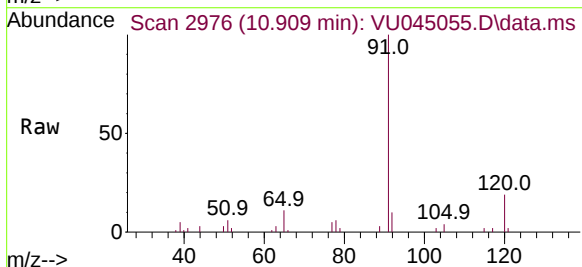
Instrument :
MSVOA_U
ClientSampleId :

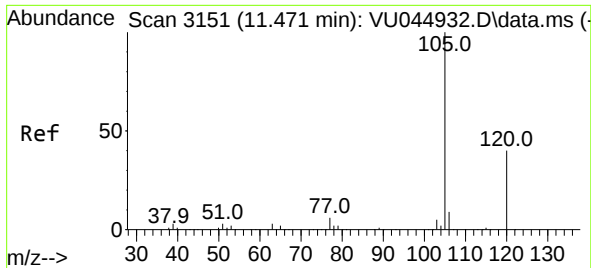
Tgt Ion: 75 Resp: 85621
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#82
4-Chlorotoluene
Concen: 1.573 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.189 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Tgt Ion: 91 Resp: 14642
Ion Ratio Lower Upper
91 100
126 0.0 13.8 41.4#

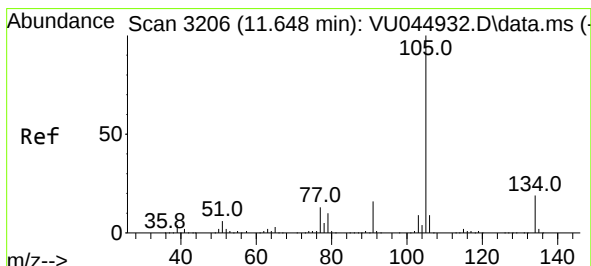
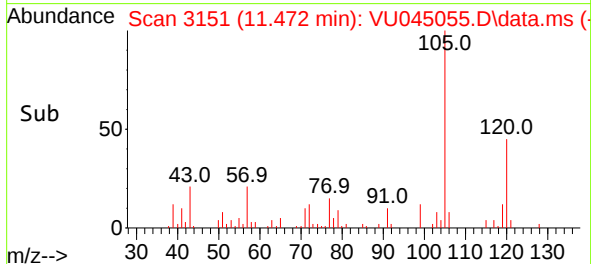
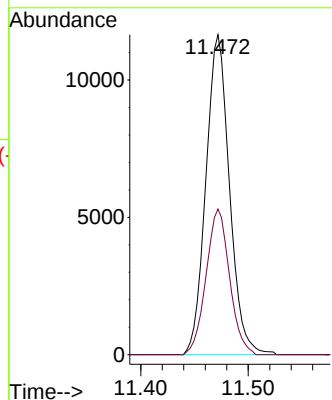
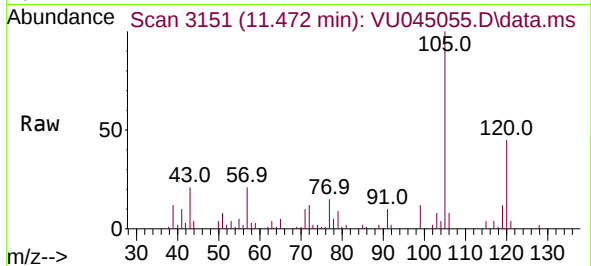




#84
1,2,4-Trimethylbenzene
Concen: 1.900 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

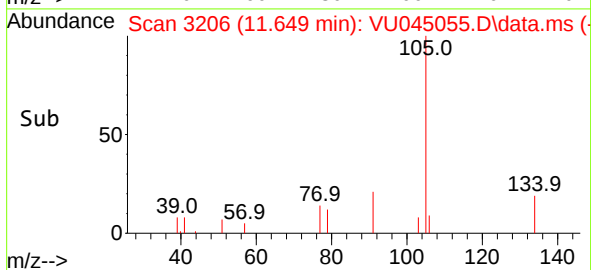
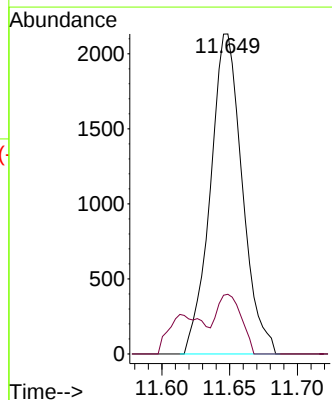
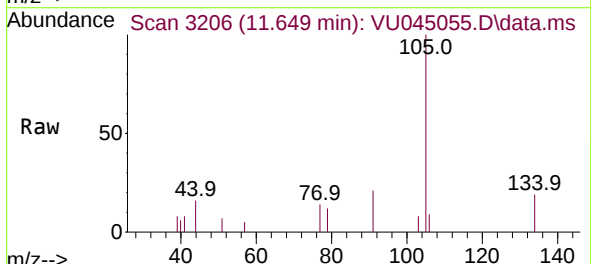
Instrument :
MSVOA_U
ClientSampleId :

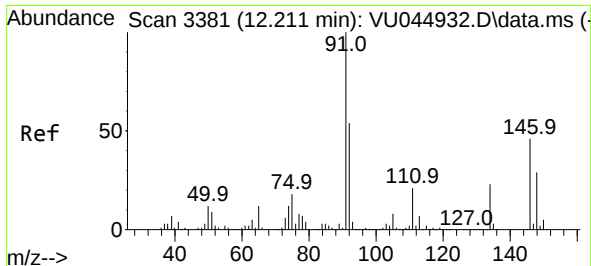
Tgt Ion:105 Resp: 17754
Ion Ratio Lower Upper
105 100
120 45.2 22.4 67.3



#85
sec-Butylbenzene
Concen: 0.295 ug/l
RT: 11.649 min Scan# 3206
Delta R.T. 0.001 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Tgt Ion:105 Resp: 3492
Ion Ratio Lower Upper
105 100
134 14.4 9.3 28.0

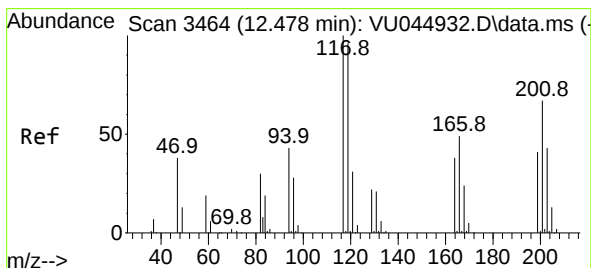
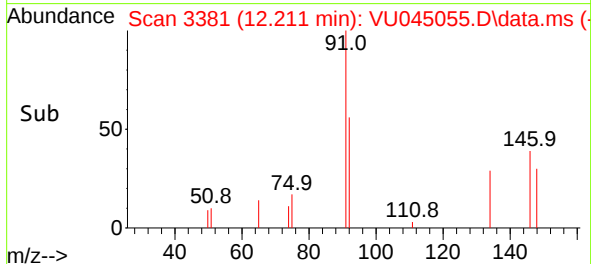
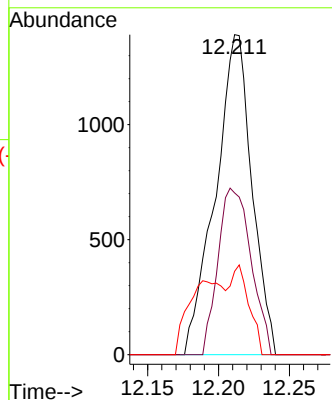
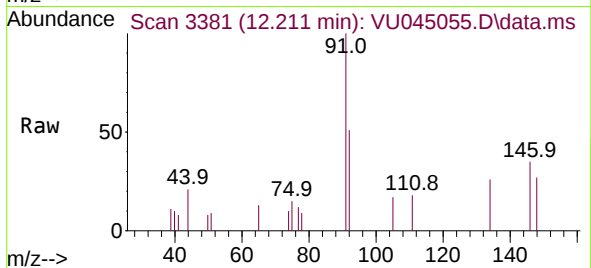




#89
n-Butylbenzene
Concen: 0.284 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

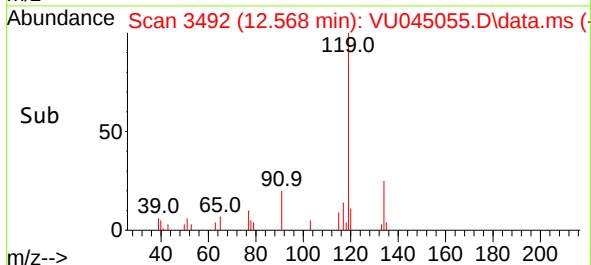
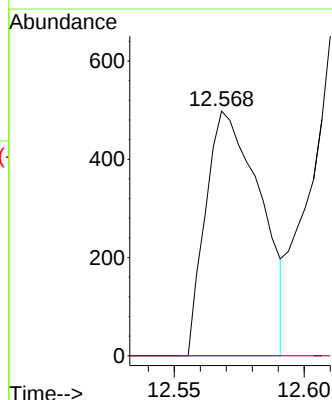
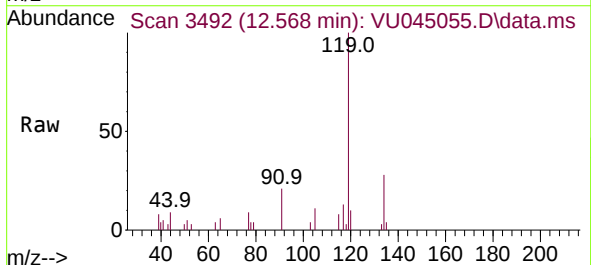
Instrument :
MSVOA_U
ClientSampled :

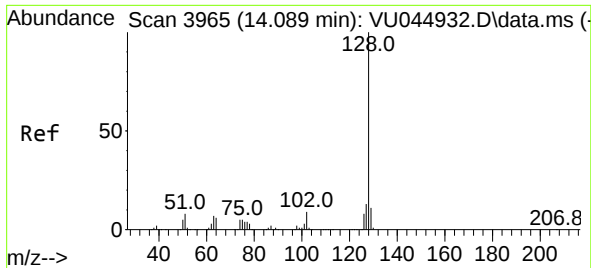
Tgt Ion: 91 Resp: 2487
Ion Ratio Lower Upper
91 100
92 47.2 26.8 80.4
134 14.6 11.8 35.4



#90
Hexachloroethane
Concen: 0.426 ug/l
RT: 12.568 min Scan# 3492
Delta R.T. 0.090 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Tgt Ion: 117 Resp: 732
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.3#





#95
Naphthalene
Concen: 0.584 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045055.D
Acq: 30 Sep 2021 18:24

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	6242
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.1	8.6	13.0

