

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044841.D
 Acq On : 25 Sep 2021 16:57
 Operator : SY/MD
 Sample : M3833-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE126D3-20210920

Quant Time: Sep 27 01:33:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

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

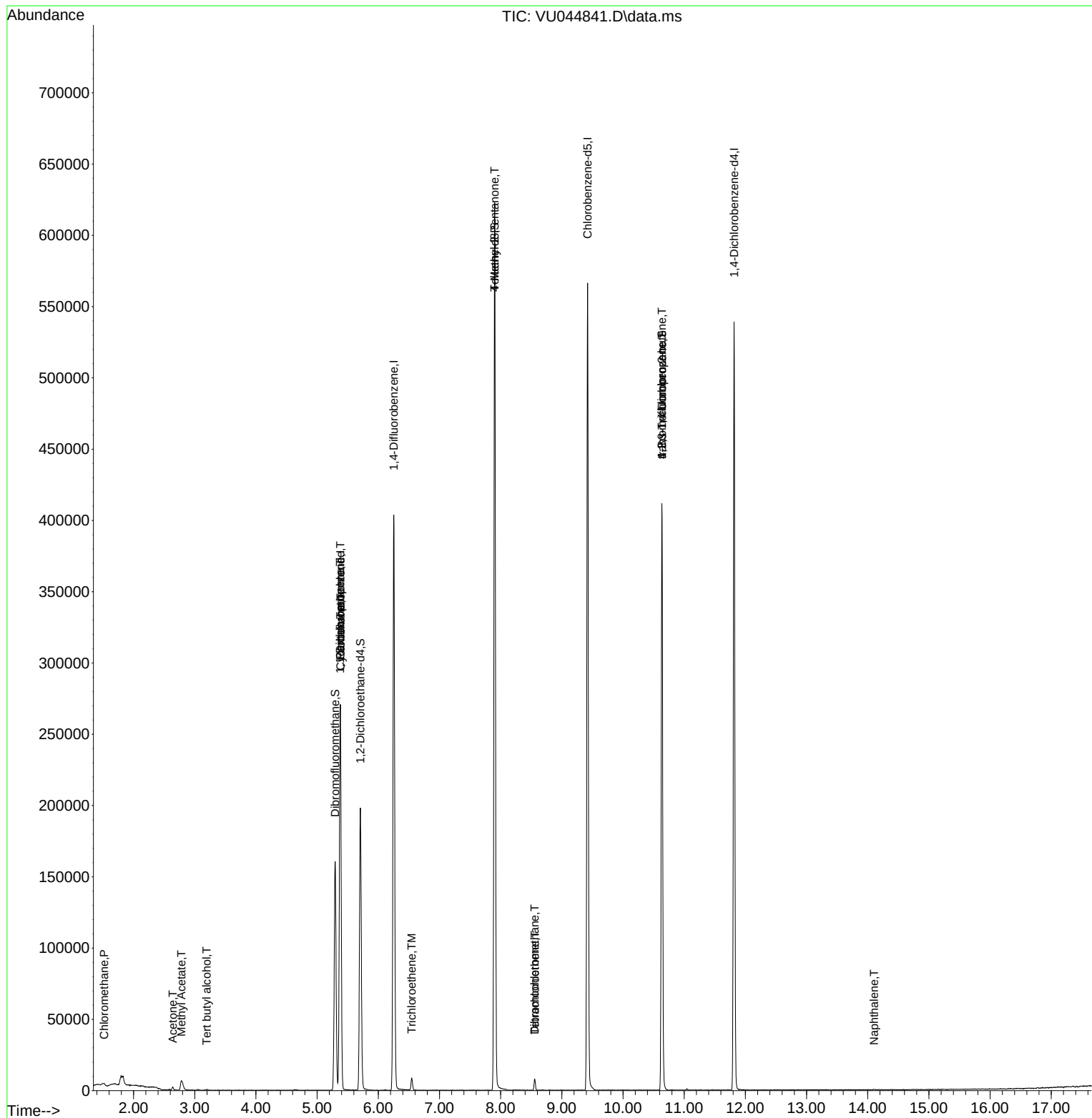
Internal Standards						
1) Pentafluorobenzene	5.379	168	174379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	309081	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	292324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	131173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	148879	48.919	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.840%	
35) Dibromofluoromethane	5.295	113	102940	48.549	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.100%	
50) Toluene-d8	7.903	98	397251	49.606	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.220%	
62) 4-Bromofluorobenzene	10.636	95	135374	45.513	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.020%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	655	0.207	ug/l #	83
5) Bromomethane	1.855	94	478	Below Cal		99
6) Chloroethane	1.967	64	147	Below Cal	#	42
11) Tert butyl alcohol	3.195	59	267	0.301	ug/l #	72
16) Acetone	2.642	43	2436	1.419	ug/l	96
18) Methyl Acetate	2.784	43	3222	0.562	ug/l #	52
31) Cyclohexane	5.382	56	4789	1.096	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	16642	5.075	ug/l #	50
38) Carbon Tetrachloride	5.379	117	18762	6.399	ug/l #	16
44) Trichloroethene	6.546	130	2713	1.129	ug/l	99
51) 4-Methyl-2-Pentanone	7.899	43	1819	0.379	ug/l #	1
60) Dibromochloromethane	8.555	129	1783	0.729	ug/l #	10
64) Tetrachloroethene	8.558	164	1583	0.799	ug/l	94
76) 1,2,3-Trichloropropane	10.636	75	74194	18.679	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	74194	60.508	ug/l #	9
95) Naphthalene	14.105	128	384	0.981	ug/l #	69

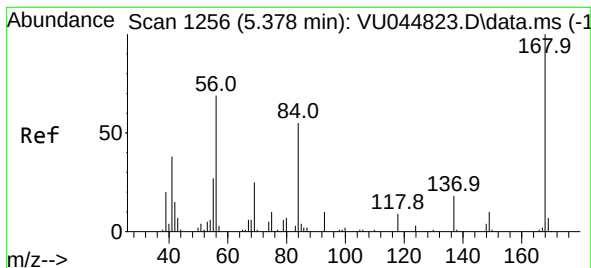
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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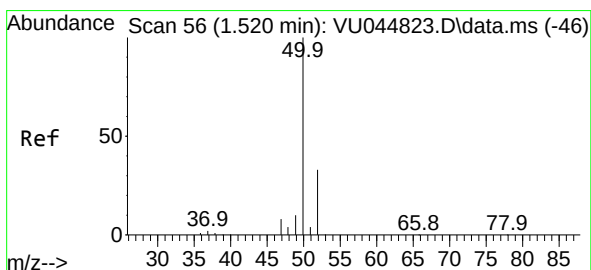
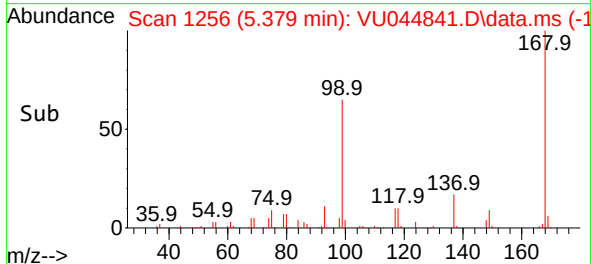
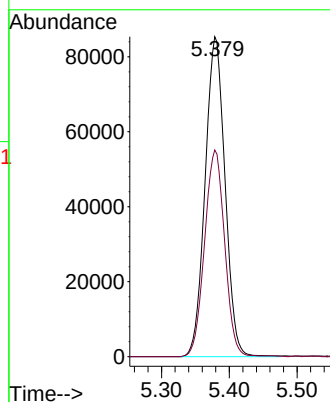
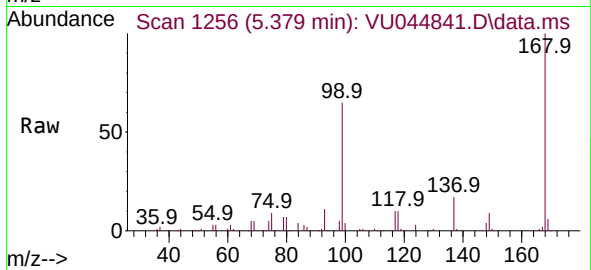




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.001 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

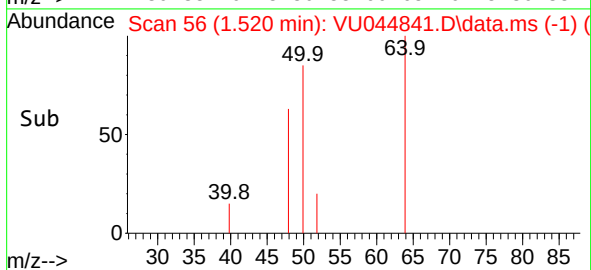
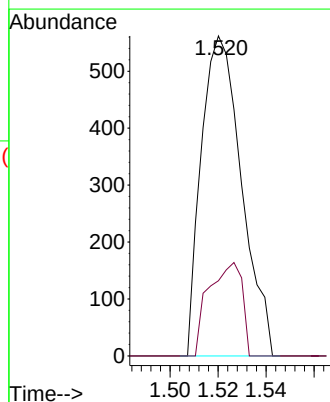
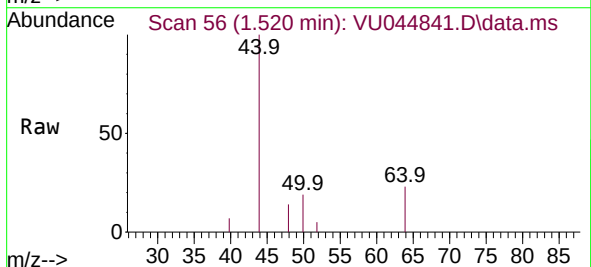
Instrument :
MSVOA_U
ClientSampleId :
RE126D3-20210920

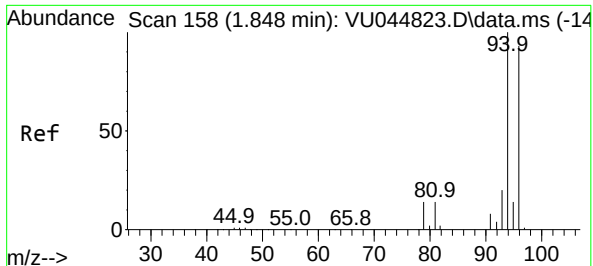
Tgt Ion:168 Resp: 174379
Ion Ratio Lower Upper
168 100
99 64.6 51.4 77.0



#3
Chloromethane
Concen: 0.207 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Tgt Ion: 50 Resp: 655
Ion Ratio Lower Upper
50 100
52 23.5 26.3 39.5#

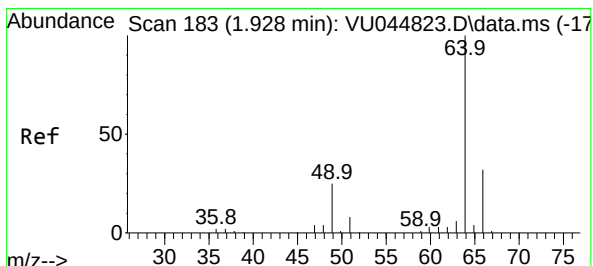
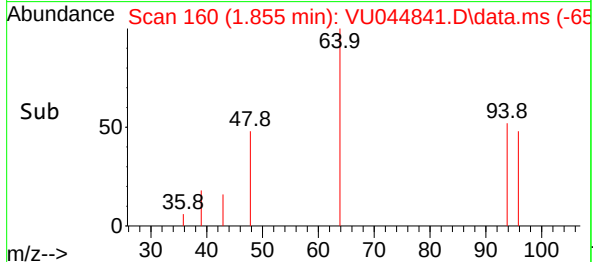
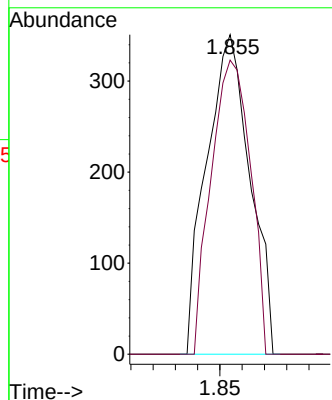
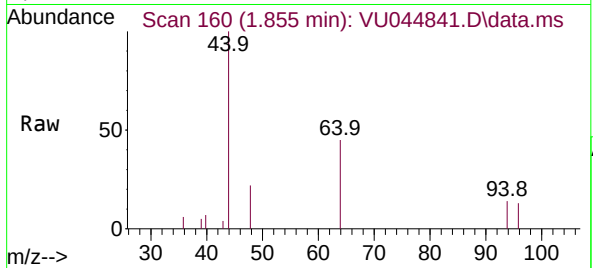




#5
Bromomethane
Concen: Below Cal
RT: 1.855 min Scan# 160
Delta R.T. 0.007 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

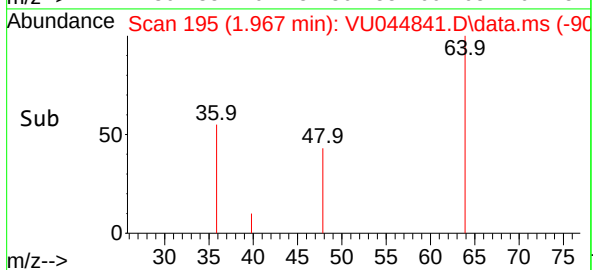
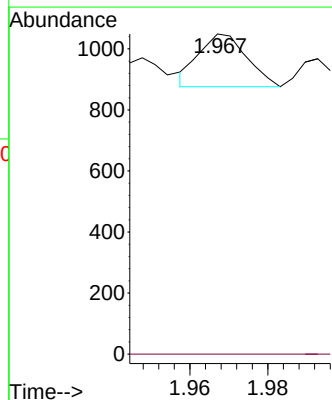
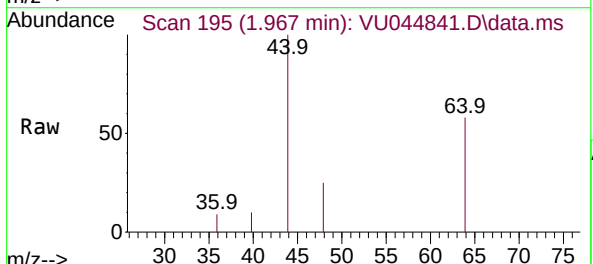
Instrument :
MSVOA_U
ClientSampleId :
RE126D3-20210920

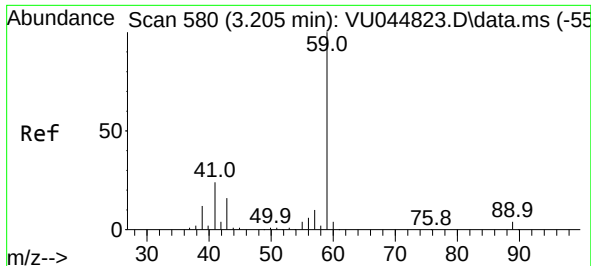
Tgt Ion: 94 Resp: 478
Ion Ratio Lower Upper
94 100
96 92.0 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.967 min Scan# 195
Delta R.T. 0.039 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

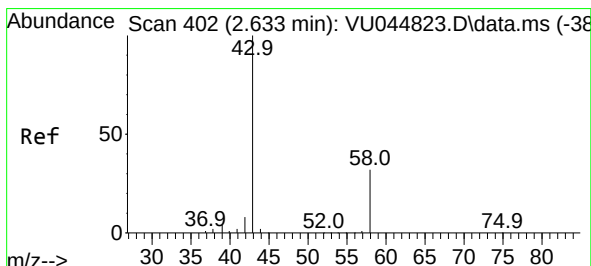
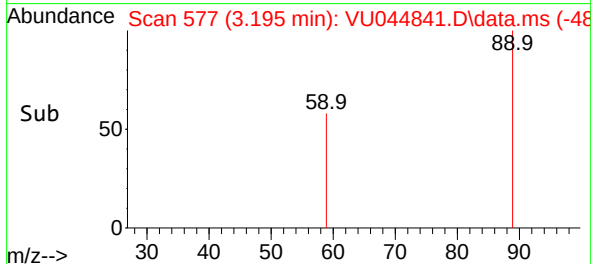
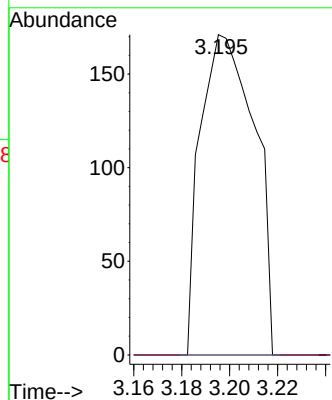
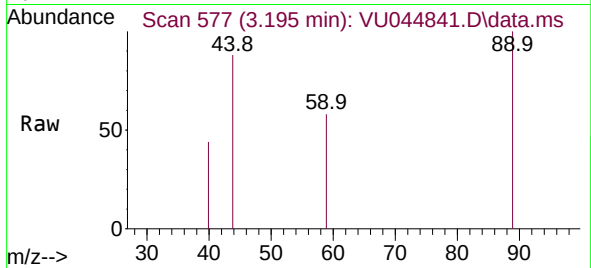




#11
Tert butyl alcohol
Concen: 0.301 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.010 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

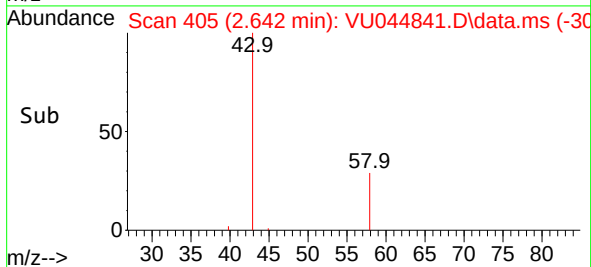
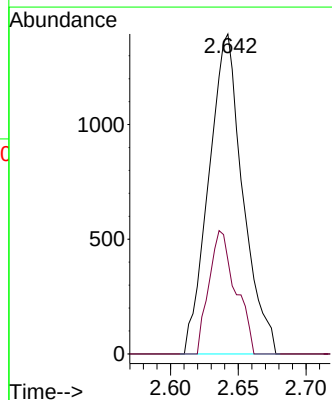
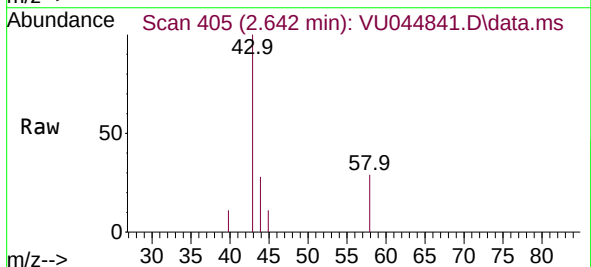
Instrument :
MSVOA_U
ClientSampleId :
RE126D3-20210920

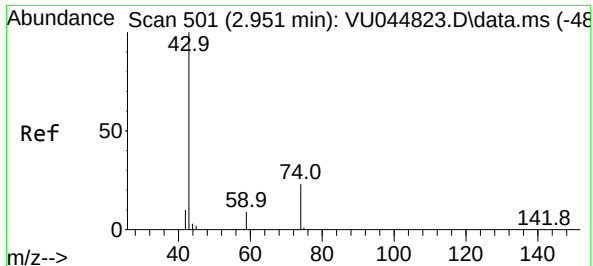
Tgt Ion: 59 Resp: 267
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.419 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.010 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Tgt Ion: 43 Resp: 2436
Ion Ratio Lower Upper
43 100
58 29.4 25.2 37.8

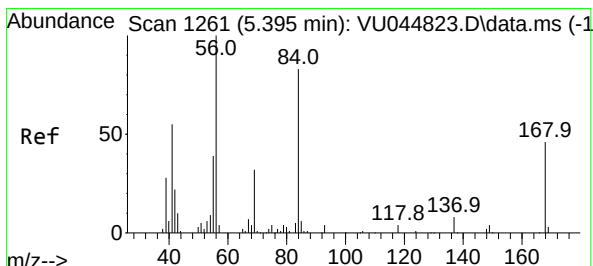
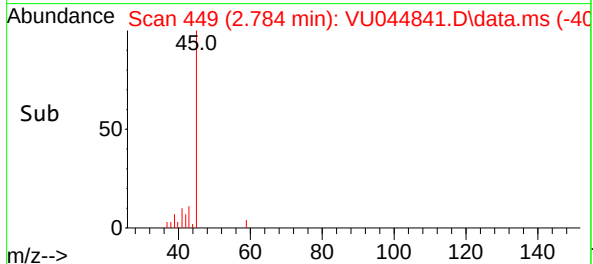
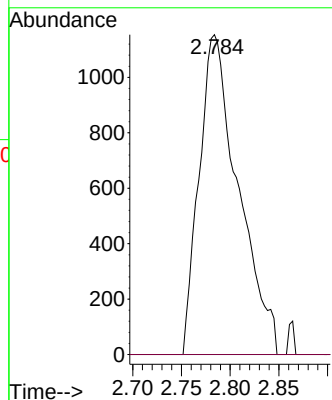
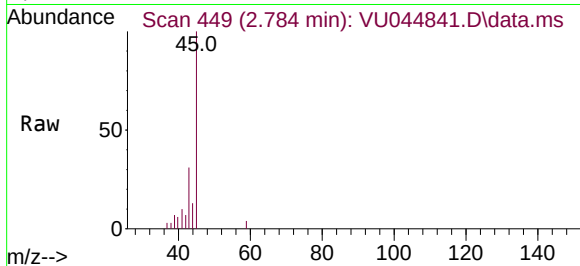




#18
Methyl Acetate
Concen: 0.562 ug/l
RT: 2.784 min Scan# 449
Delta R.T. -0.167 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

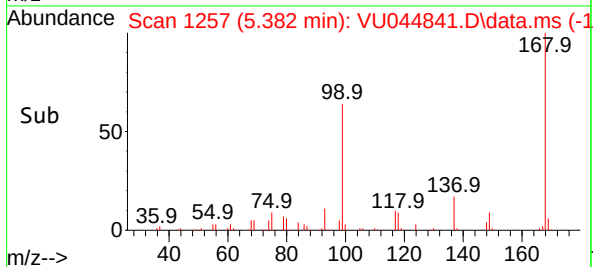
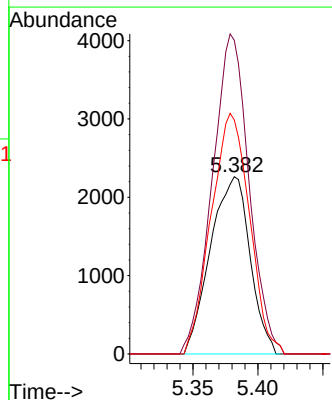
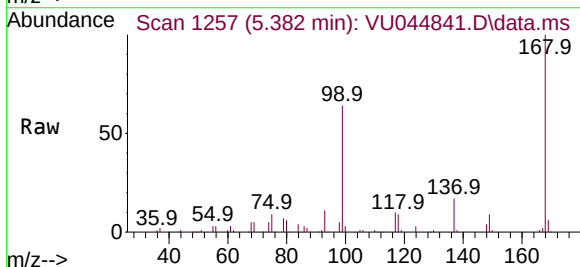
Instrument :
MSVOA_U
ClientSampleId :
RE126D3-20210920

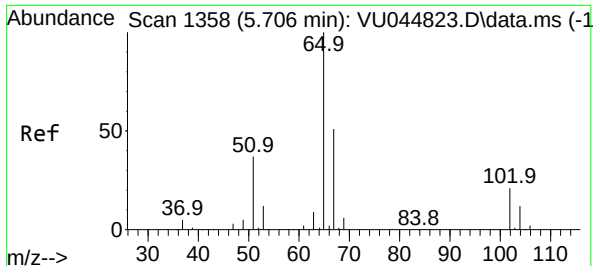
Tgt Ion: 43 Resp: 3222
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 1.096 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Tgt Ion: 56 Resp: 4789
Ion Ratio Lower Upper
56 100
69 177.1 25.2 37.8#
84 132.1 66.4 99.6#



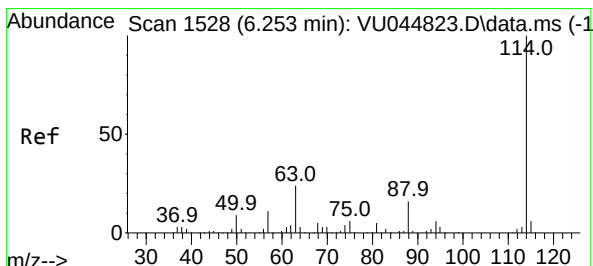
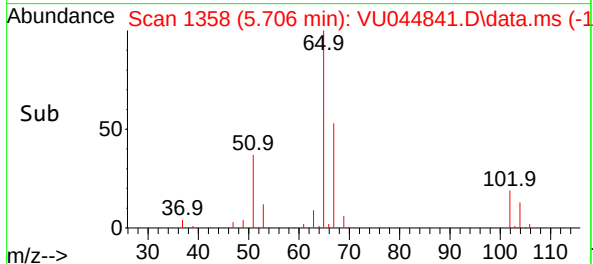
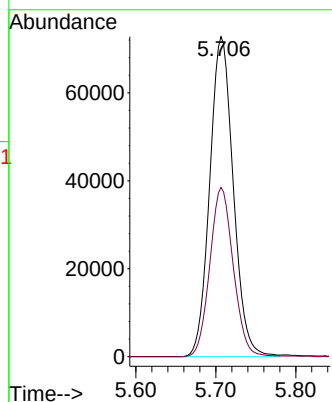
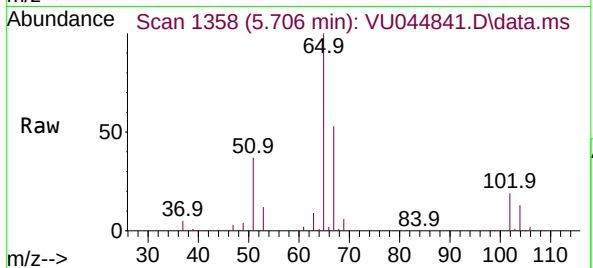


#33

1,2-Dichloroethane-d4
Concen: 48.919 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Instrument :
MSVOA_U
ClientSampleId :
RE126D3-20210920

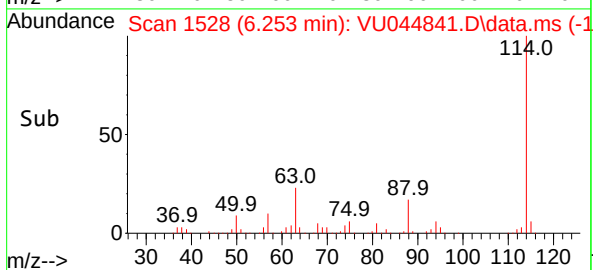
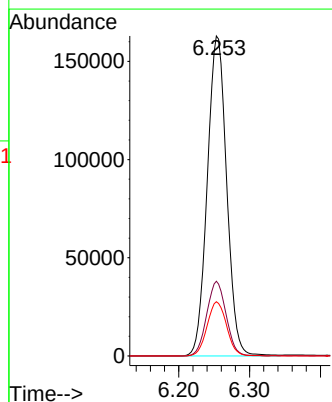
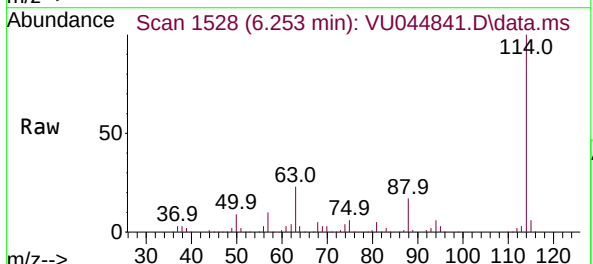
Tgt Ion: 65 Resp: 148879
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.8

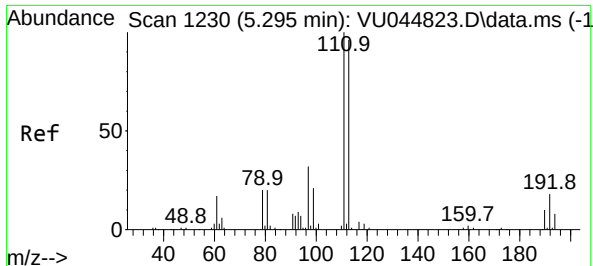


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Tgt Ion: 114 Resp: 309081
Ion Ratio Lower Upper
114 100
63 23.4 0.0 47.8
88 17.0 0.0 32.8

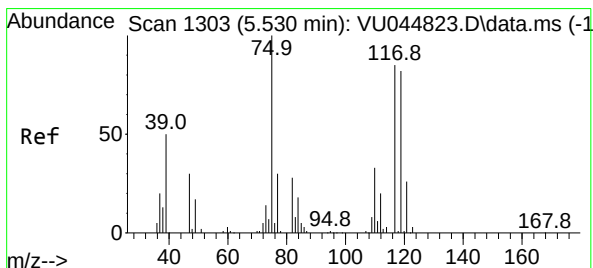
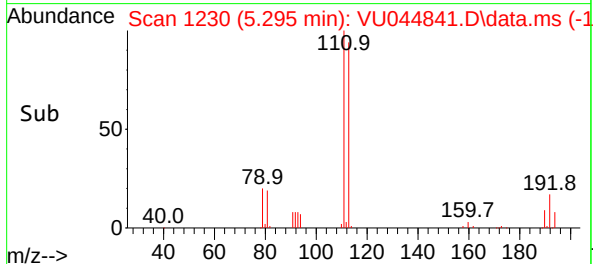
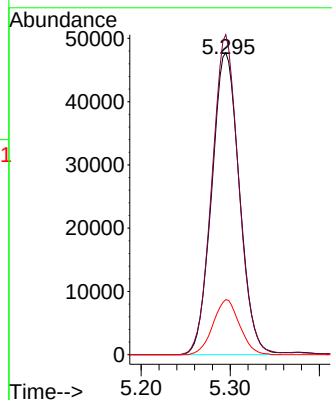
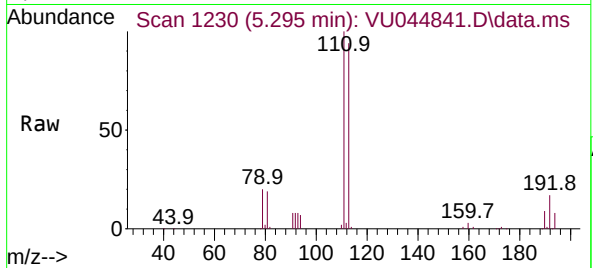




#35
Dibromofluoromethane
Concen: 48.549 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

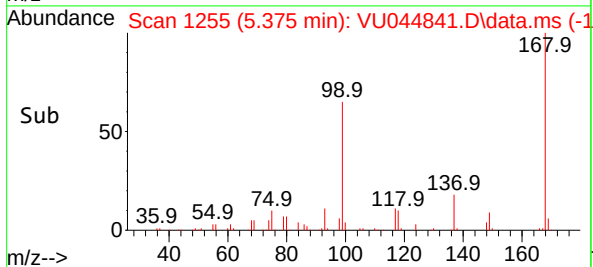
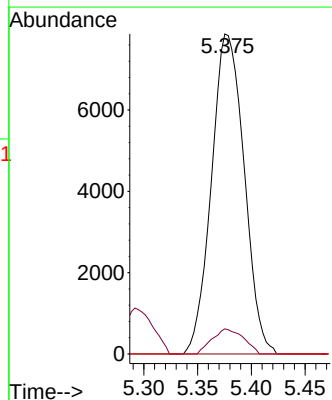
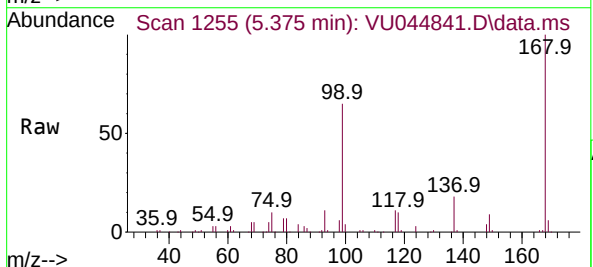
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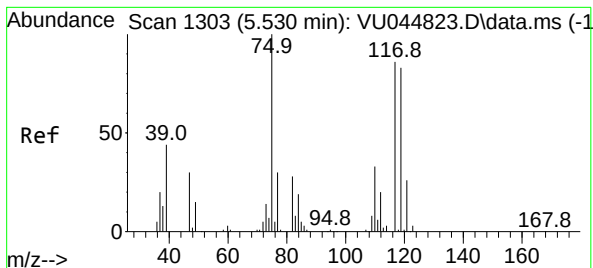
Tgt Ion:113 Resp: 102940
Ion Ratio Lower Upper
113 100
111 102.9 84.1 126.1
192 17.5 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.075 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Tgt Ion: 75 Resp: 16642
Ion Ratio Lower Upper
75 100
110 7.5 16.3 48.9#
77 0.0 25.0 37.4#

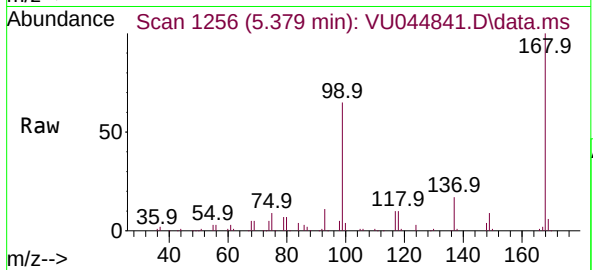




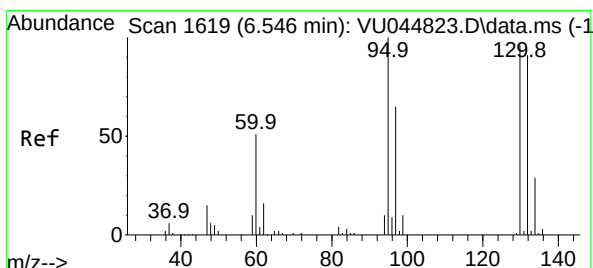
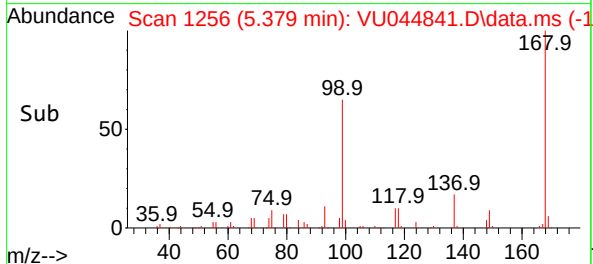
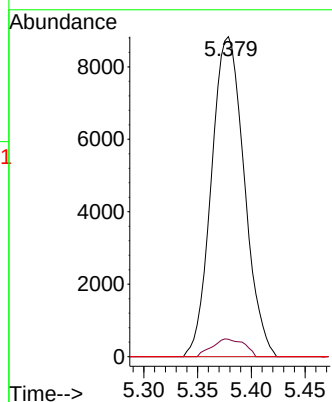
#38

Carbon Tetrachloride
Concen: 6.399 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Instrument :
MSVOA_U
ClientSampleId :
RE126D3-20210920



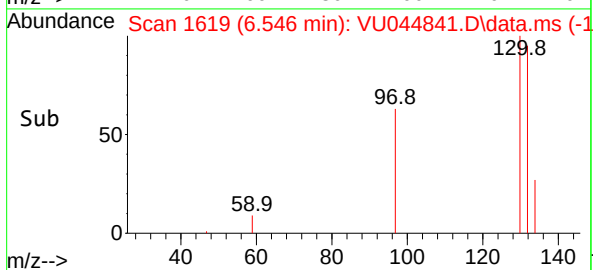
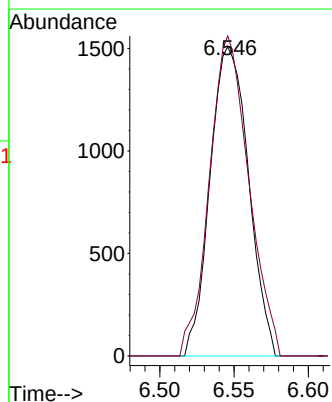
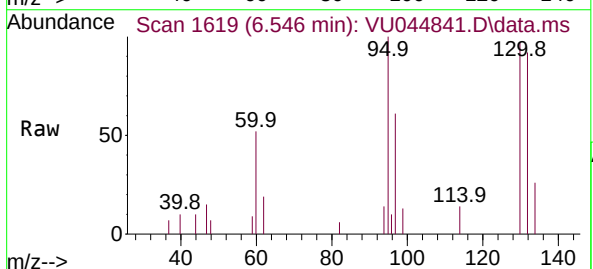
Tgt Ion:117 Resp: 18762
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.2#
121 0.0 24.5 36.7#

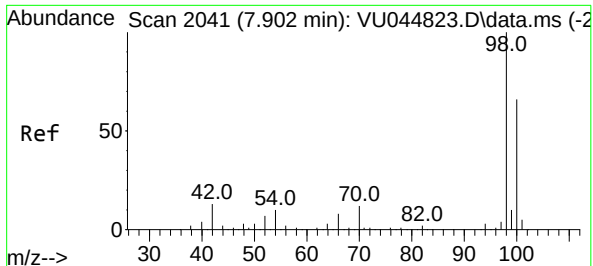


#44

Trichloroethene
Concen: 1.129 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Tgt Ion:130 Resp: 2713
Ion Ratio Lower Upper
130 100
95 103.5 0.0 209.0





#50

Toluene-d8

Concen: 49.606 ug/l

RT: 7.903 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU044841.D

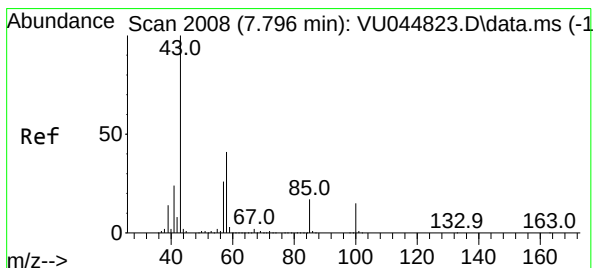
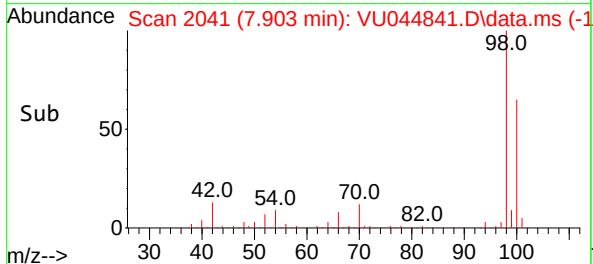
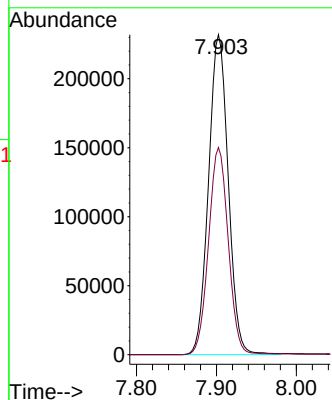
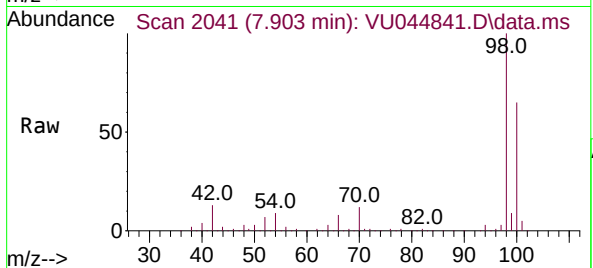
Acq: 25 Sep 2021 16:57

Tgt Ion: 98 Resp: 397251

Ion Ratio Lower Upper

98 100

100 64.6 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.379 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.103 min

Lab File: VU044841.D

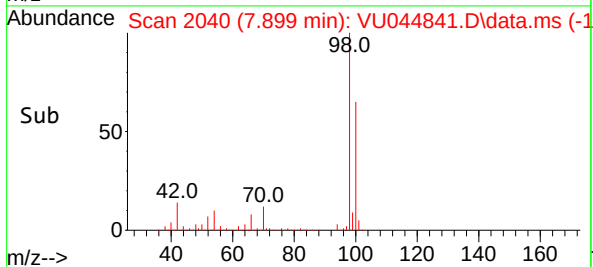
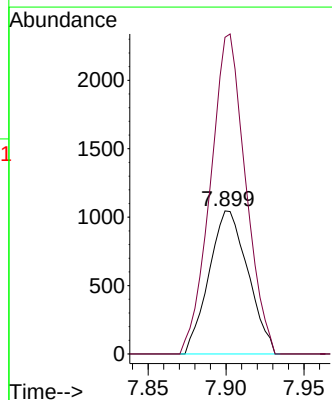
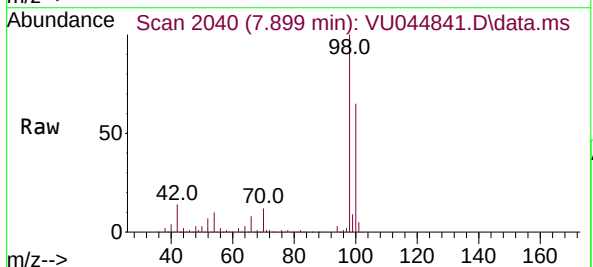
Acq: 25 Sep 2021 16:57

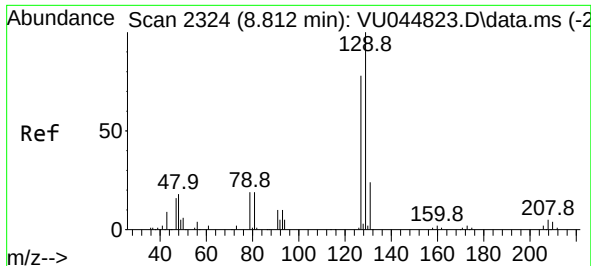
Tgt Ion: 43 Resp: 1819

Ion Ratio Lower Upper

43 100

58 201.7 32.4 48.6#

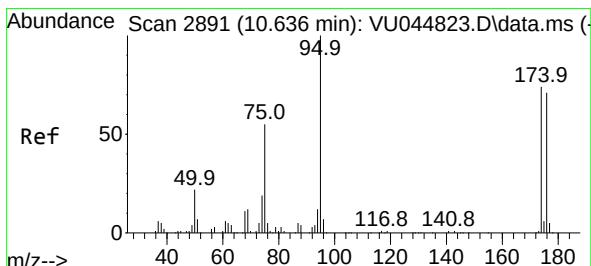
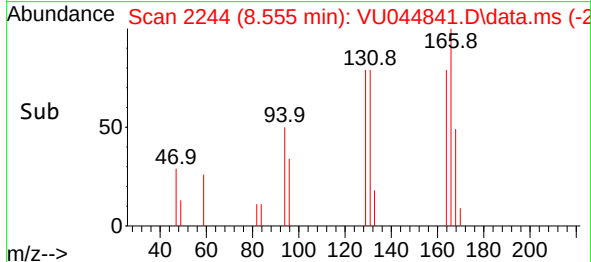
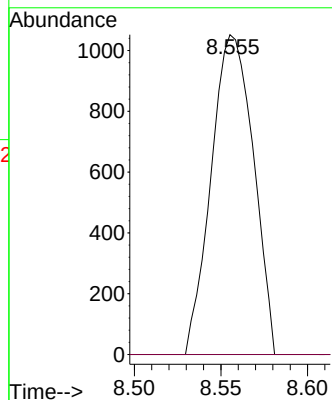
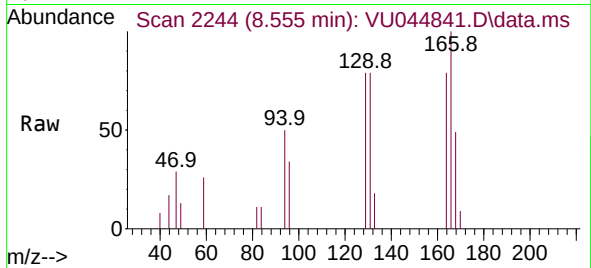




#60
Dibromochloromethane
Concen: 0.729 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

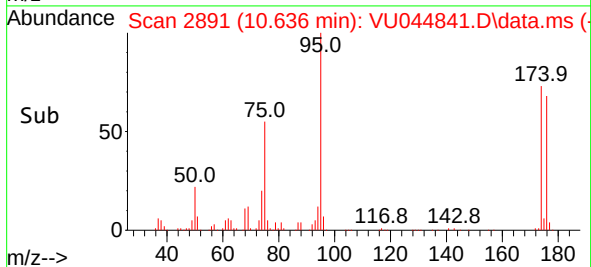
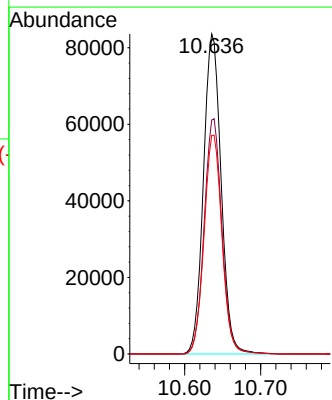
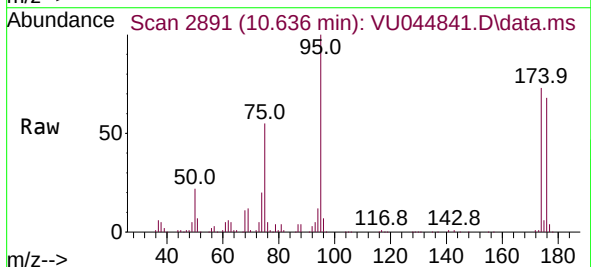
Instrument :
MSVOA_U
ClientSampleId :
RE126D3-20210920

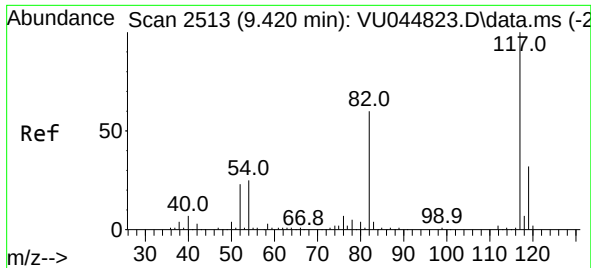
Tgt Ion:129 Resp: 1783
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 45.513 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Tgt Ion: 95 Resp: 135374
Ion Ratio Lower Upper
95 100
174 73.6 0.0 146.6
176 69.0 0.0 141.2

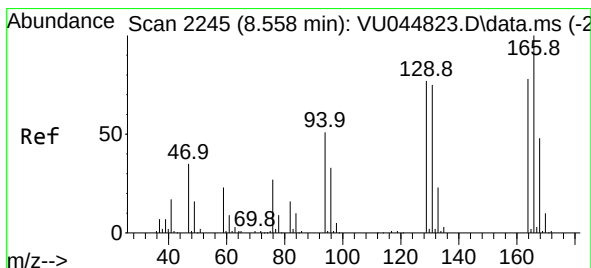
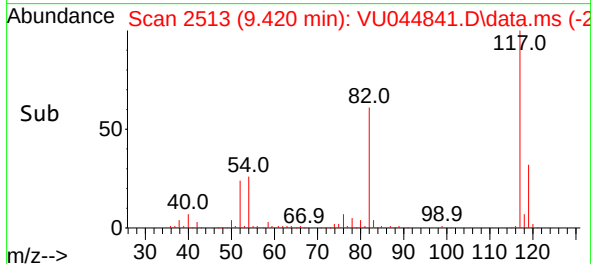
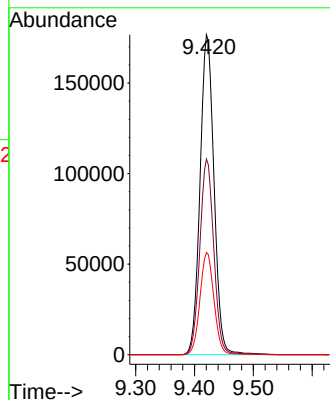
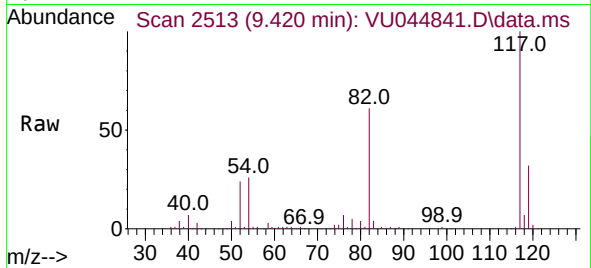




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

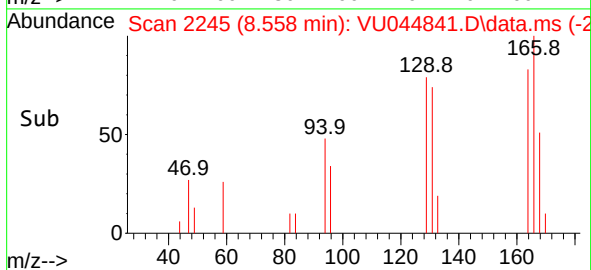
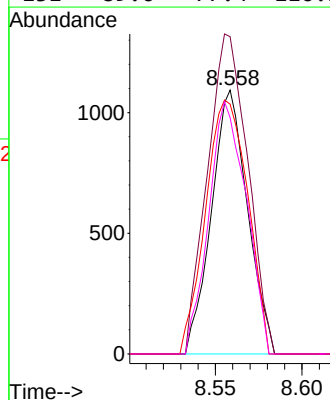
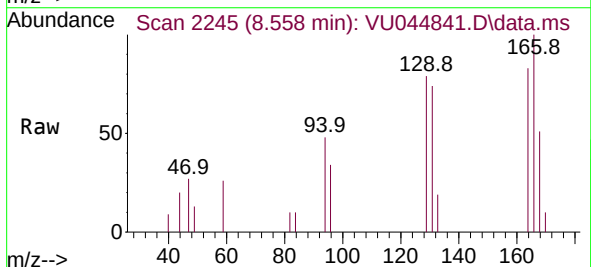
Instrument :
MSVOA_U
ClientSampleId :
RE126D3-20210920

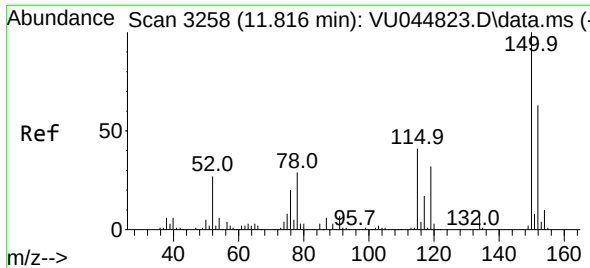
Tgt Ion:117 Resp: 292324
Ion Ratio Lower Upper
117 100
82 61.2 47.8 71.8
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 0.799 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Tgt Ion:164 Resp: 1583
Ion Ratio Lower Upper
164 100
166 120.3 102.8 154.2
129 94.7 79.4 119.2
131 89.6 77.4 116.2

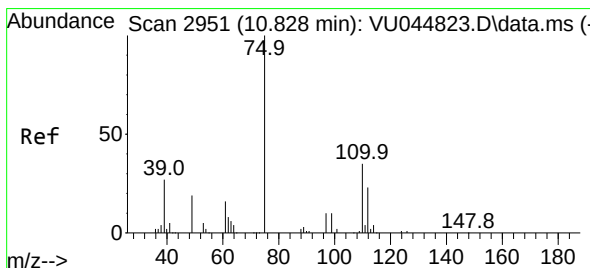
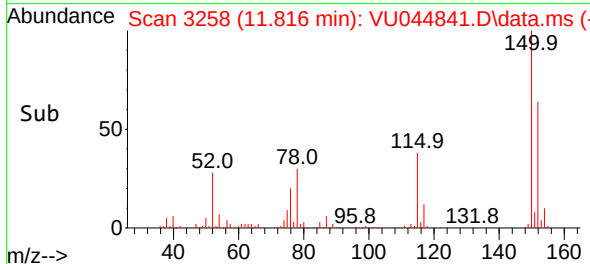
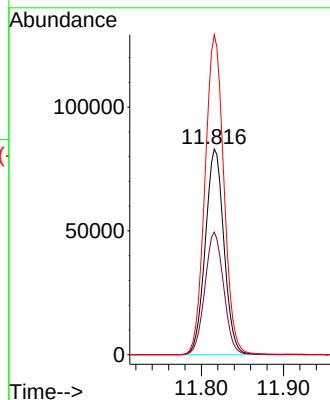
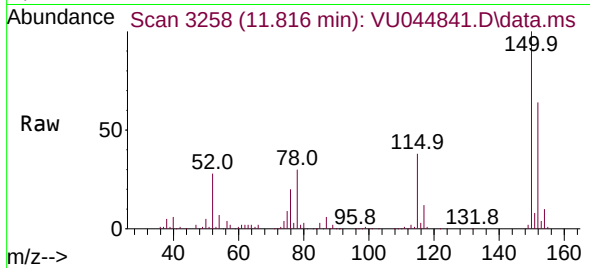




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.000 min
 Lab File: VU044841.D
 Acq: 25 Sep 2021 16:57

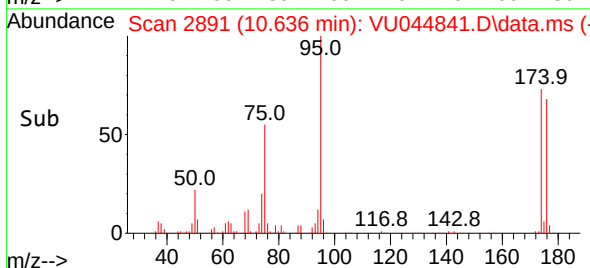
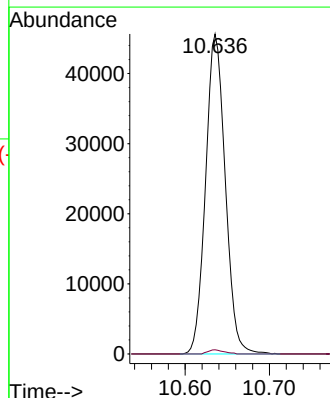
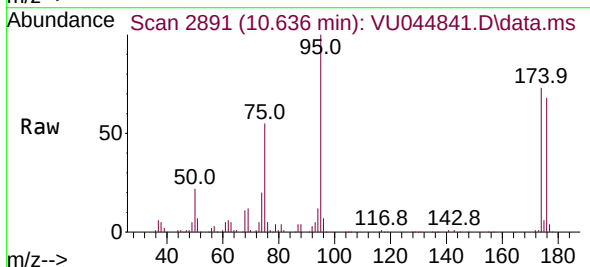
Instrument :
 MSVOA_U
 ClientSampleId :
 RE126D3-20210920

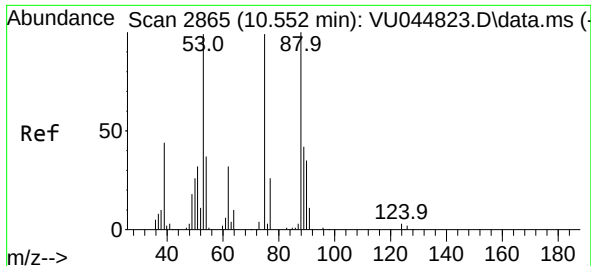
Tgt Ion:152 Resp: 131173
 Ion Ratio Lower Upper
 152 100
 115 60.0 43.5 130.7
 150 156.7 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 18.679 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU044841.D
 Acq: 25 Sep 2021 16:57

Tgt Ion: 75 Resp: 74194
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#

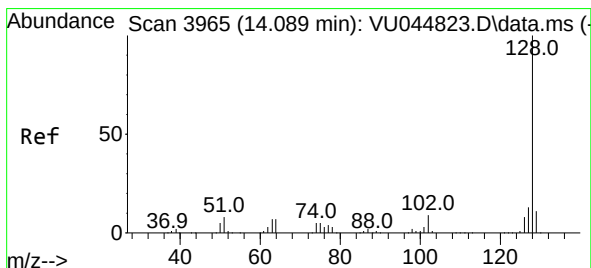
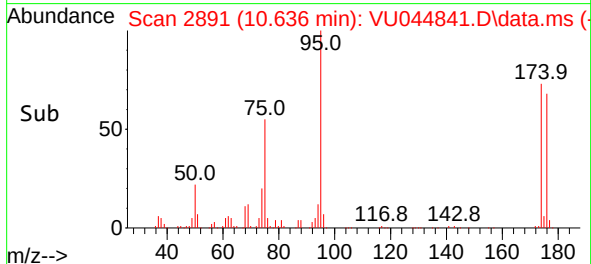
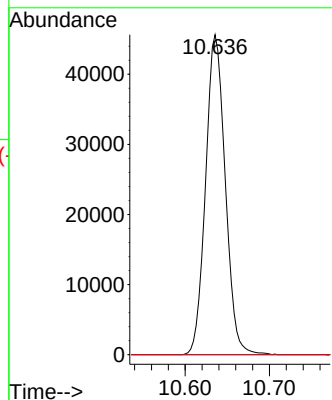
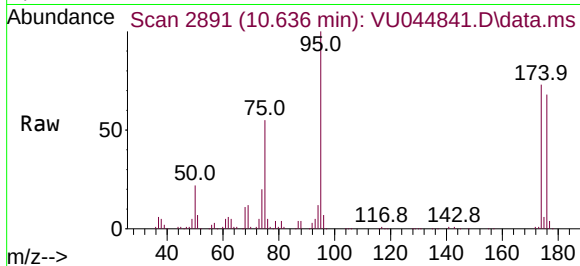




#81
trans-1,4-Dichloro-2-butene
Concen: 60.508 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Instrument :
MSVOA_U
ClientSampleId :
RE126D3-20210920

Tgt Ion: 75 Resp: 74194
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 0.981 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.016 min
Lab File: VU044841.D
Acq: 25 Sep 2021 16:57

Tgt Ion:128 Resp: 384
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

