

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044844.D
 Acq On : 25 Sep 2021 18:07
 Operator : SY/MD
 Sample : M3829-24
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE123D2-20210918

Quant Time: Sep 27 01:33:48 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)

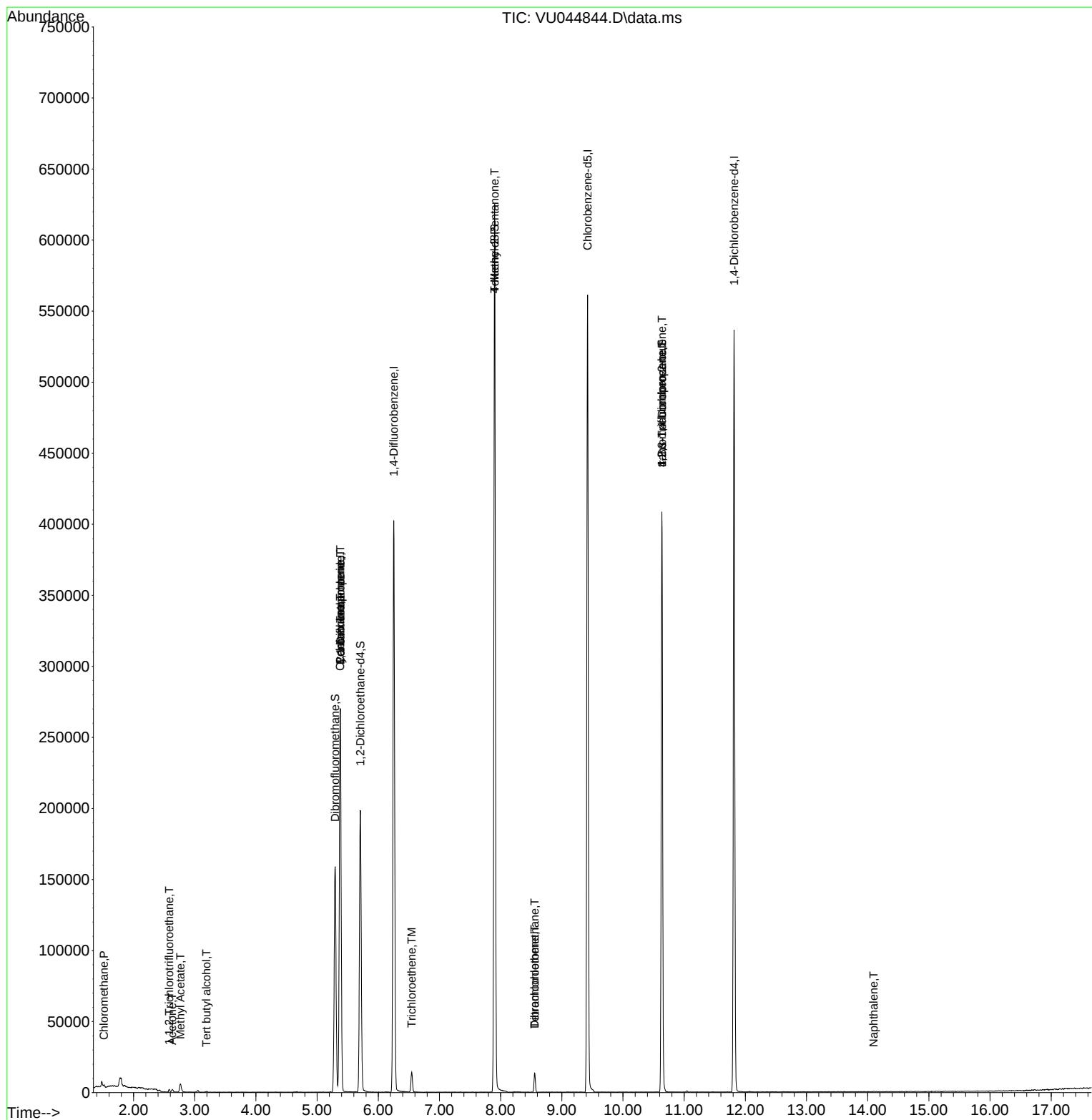
Internal Standards						
1) Pentafluorobenzene	5.379	168	174040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	307179	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	286946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	127502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	150400	49.515	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.020%	
35) Dibromofluoromethane	5.295	113	102750	48.759	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.520%	
50) Toluene-d8	7.903	98	395440	49.686	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.380%	
62) 4-Bromofluorobenzene	10.636	95	134499	45.499	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.000%	
Target Compounds						Qvalue
3) Chloromethane	1.517	50	860	0.272	ug/l	97
5) Bromomethane	1.855	94	472	Below Cal		93
6) Chloroethane	1.945	64	241	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	2.585	101	437	0.206	ug/l #	89
11) Tert butyl alcohol	3.189	59	259	0.292	ug/l #	72
16) Acetone	2.630	43	2204	1.286	ug/l	96
18) Methyl Acetate	2.765	43	2062	0.360	ug/l #	52
31) Cyclohexane	5.376	56	4745	1.088	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	16537	5.074	ug/l #	49
38) Carbon Tetrachloride	5.379	117	18019	6.184	ug/l #	15
44) Trichloroethene	6.546	130	4466	1.870	ug/l	98
51) 4-Methyl-2-Pentanone	7.900	43	1795	0.376	ug/l #	1
60) Dibromochloromethane	8.556	129	2821	1.160	ug/l #	10
64) Tetrachloroethene	8.556	164	2774	1.426	ug/l	97
76) 1,2,3-Trichloropropane	10.636	75	74617	19.326	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	74617	62.606	ug/l #	9
95) Naphthalene	14.095	128	320	0.975	ug/l #	69

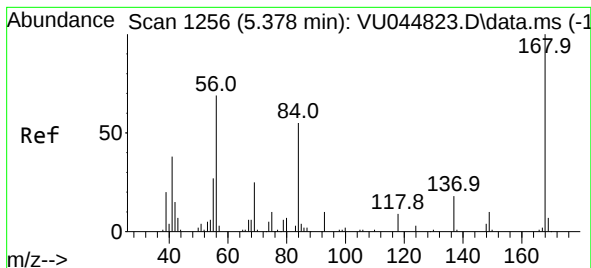
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU044844.D

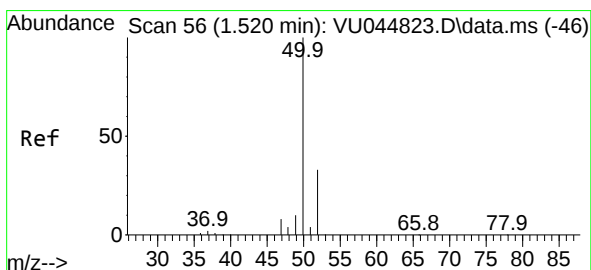
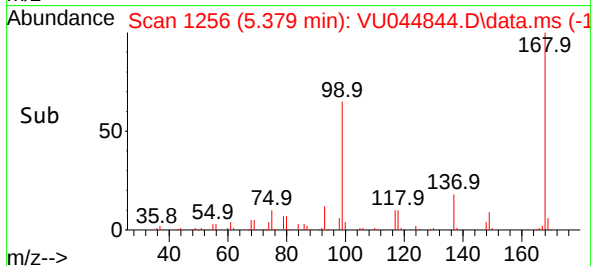
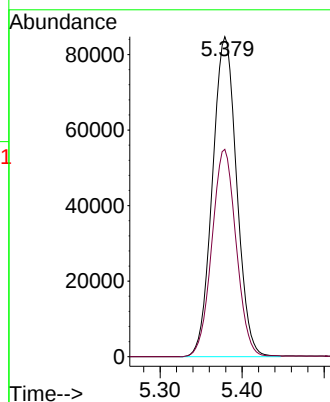
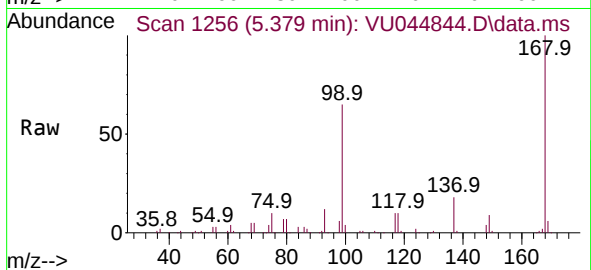
Acq: 25 Sep 2021 18:07

Tgt Ion:168 Resp: 174040

Ion Ratio Lower Upper

168 100

99 64.8 51.4 77.0



#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.517 min Scan# 55

Delta R.T. -0.003 min

Lab File: VU044844.D

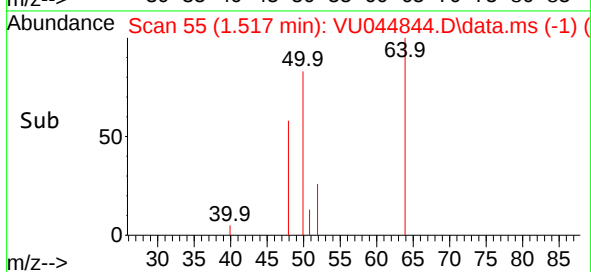
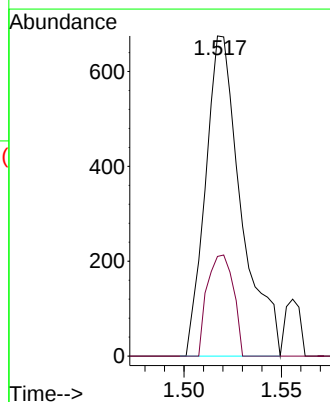
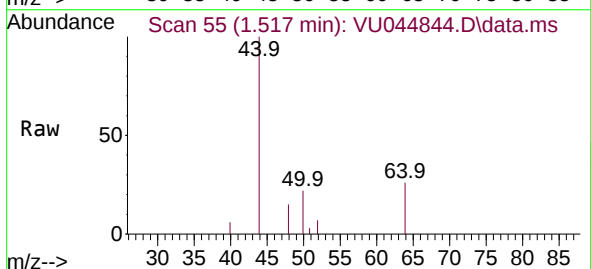
Acq: 25 Sep 2021 18:07

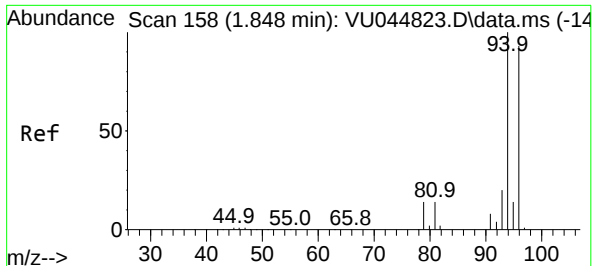
Tgt Ion: 50 Resp: 860

Ion Ratio Lower Upper

50 100

52 31.1 26.3 39.5

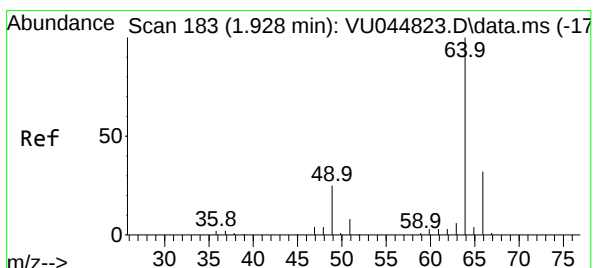
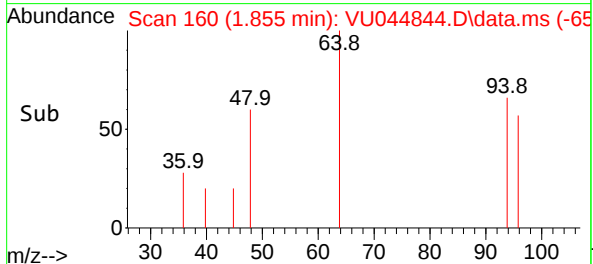
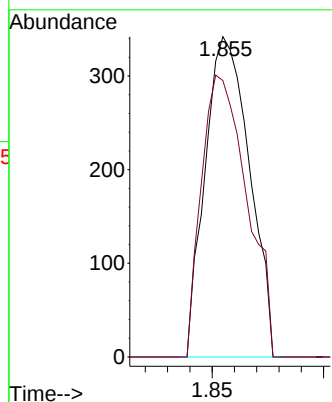
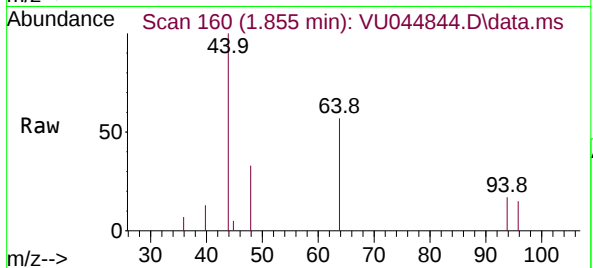




#5
Bromomethane
Concen: Below Cal
RT: 1.855 min Scan# 160
Delta R.T. 0.007 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

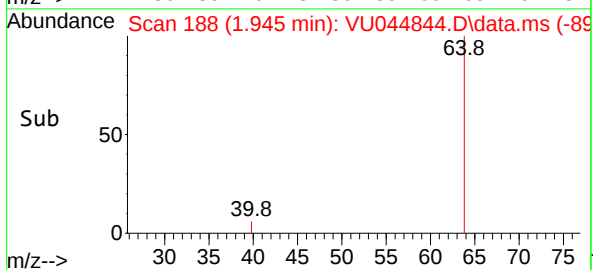
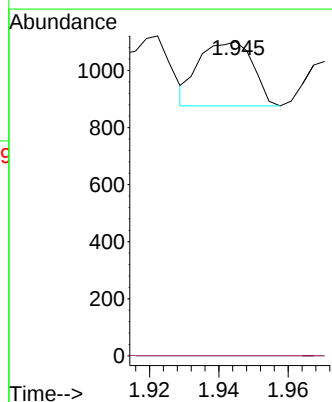
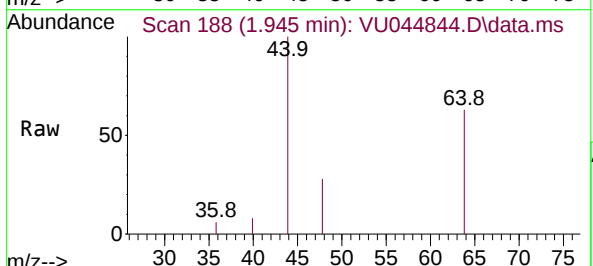
Instrument :
MSVOA_U
ClientSampleId :
RE123D2-20210918

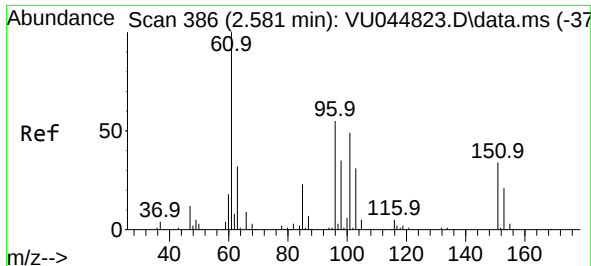
Tgt Ion: 94 Resp: 472
Ion Ratio Lower Upper
94 100
96 86.3 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.945 min Scan# 188
Delta R.T. 0.017 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

Tgt Ion: 64 Resp: 241
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

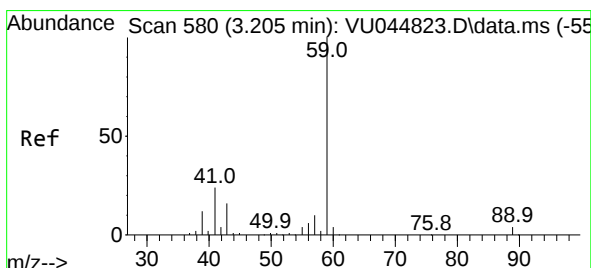
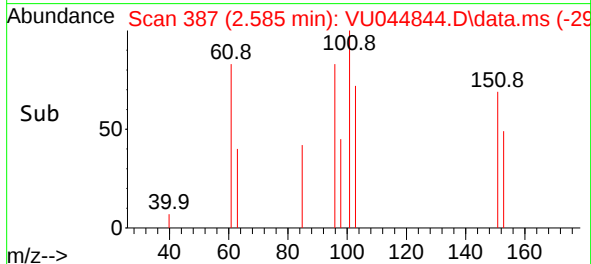
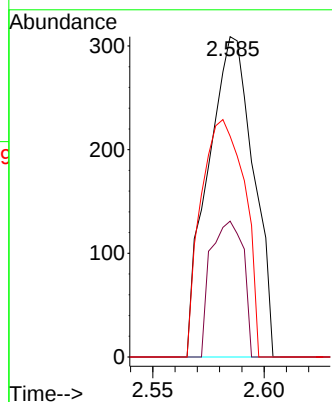
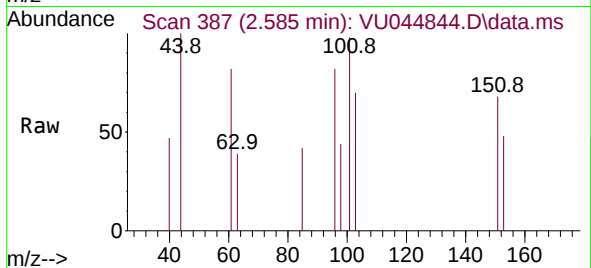




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.206 ug/l
RT: 2.585 min Scan# 387
Delta R.T. 0.004 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

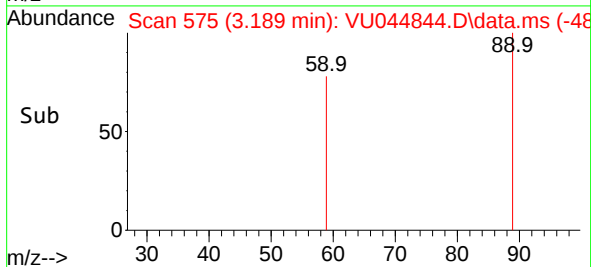
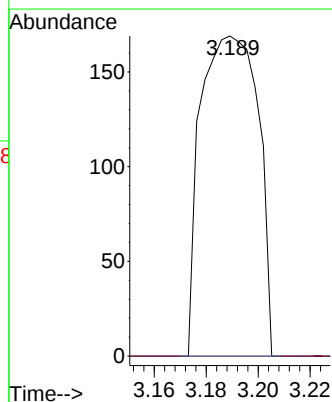
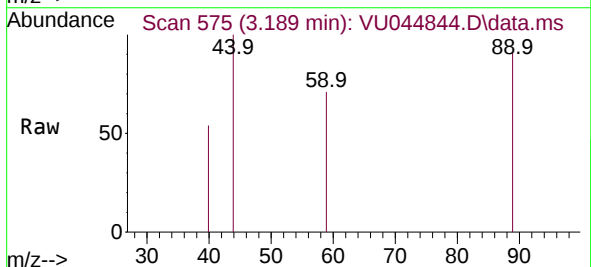
Instrument :
MSVOA_U
ClientSampleId :
RE123D2-20210918

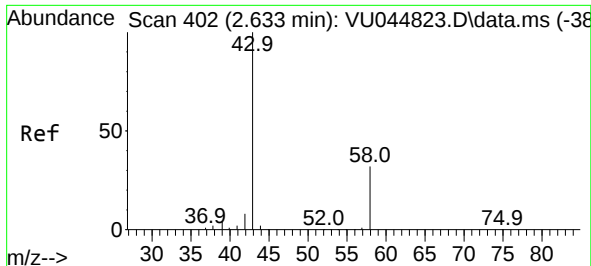
Tgt Ion:101 Resp: 437
Ion Ratio Lower Upper
101 100
85 30.4 37.2 55.8#
151 71.4 55.8 83.8



#11
Tert butyl alcohol
Concen: 0.292 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.016 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

Tgt Ion: 59 Resp: 259
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

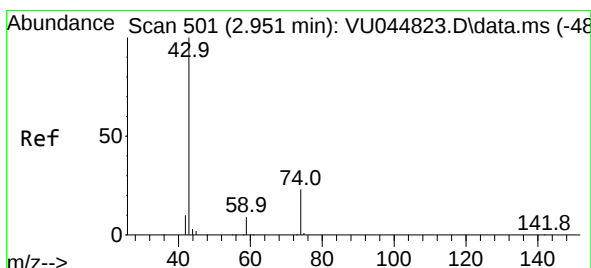
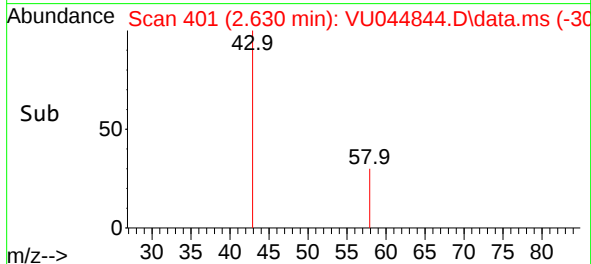
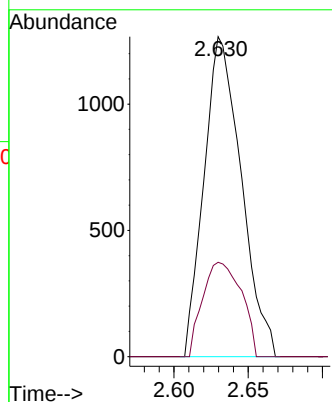
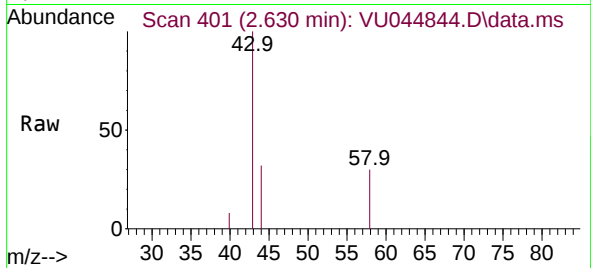




#16
Acetone
Concen: 1.286 ug/l
RT: 2.630 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

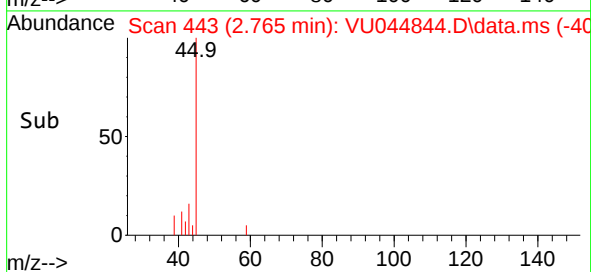
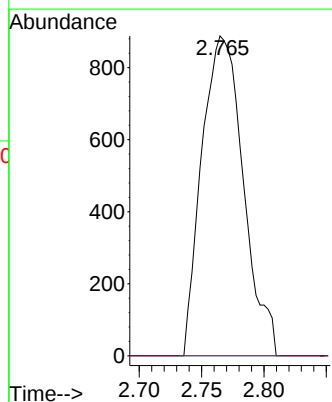
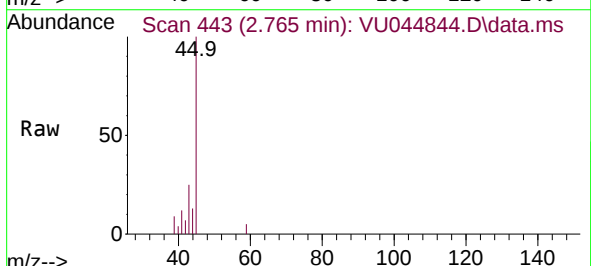
Instrument :
MSVOA_U
ClientSampleId :
RE123D2-20210918

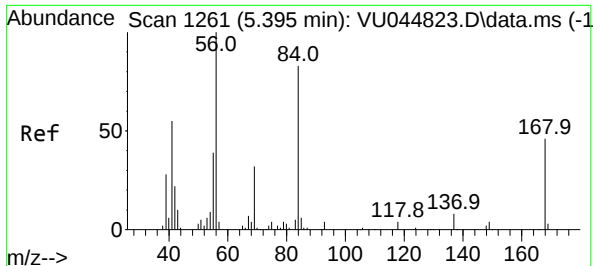
Tgt Ion: 43 Resp: 2204
Ion Ratio Lower Upper
43 100
58 29.5 25.2 37.8



#18
Methyl Acetate
Concen: 0.360 ug/l
RT: 2.765 min Scan# 443
Delta R.T. -0.186 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

Tgt Ion: 43 Resp: 2062
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#





#31

Cyclohexane

Concen: 1.088 ug/l

RT: 5.376 min Scan# 1255

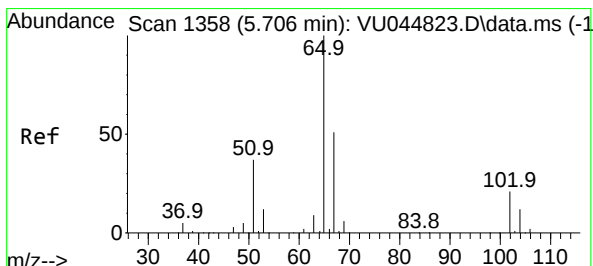
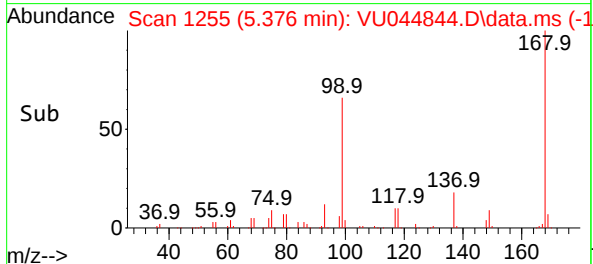
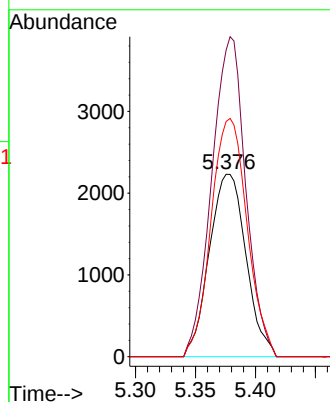
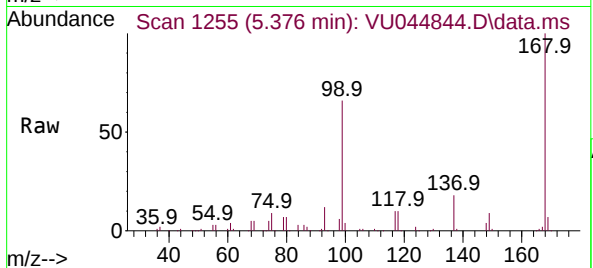
Delta R.T. -0.019 min

Lab File: VU044844.D

Acq: 25 Sep 2021 18:07

Tgt Ion: 56	Resp: 4745
Ion Ratio	Lower Upper
56	100
69	168.1 25.2 37.8#
84	129.0 66.4 99.6#

Instrument :
MSVOA_U
ClientSampleId :
RE123D2-20210918



#33

1,2-Dichloroethane-d4

Concen: 49.515 ug/l

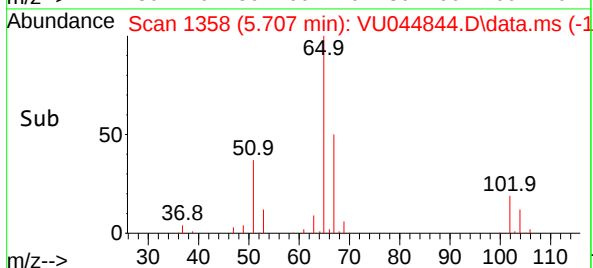
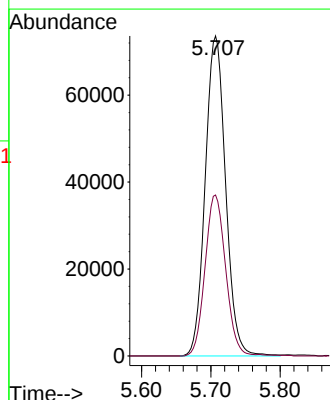
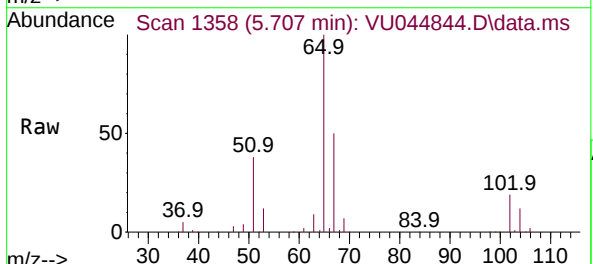
RT: 5.707 min Scan# 1358

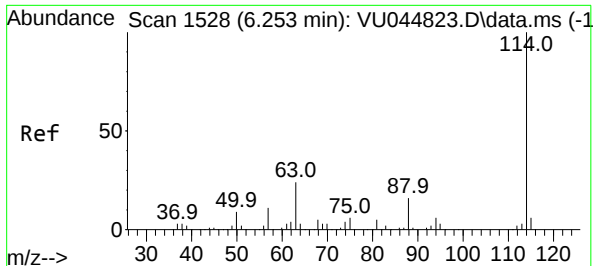
Delta R.T. 0.000 min

Lab File: VU044844.D

Acq: 25 Sep 2021 18:07

Tgt Ion: 65	Resp: 150400
Ion Ratio	Lower Upper
65	100
67	50.7 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: VU044844.D

Acq: 25 Sep 2021 18:07

Tgt Ion:114 Resp: 307179

Ion Ratio Lower Upper

114 100

63 23.9 0.0 47.8

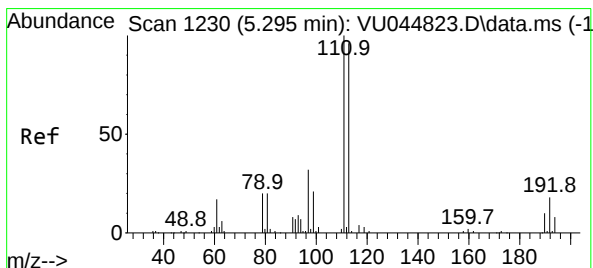
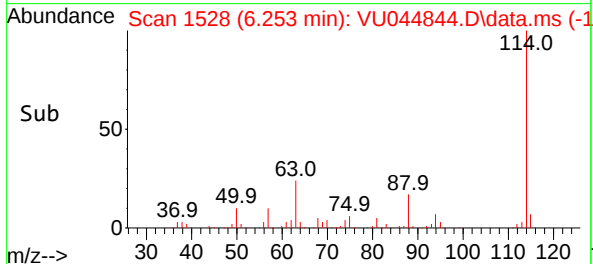
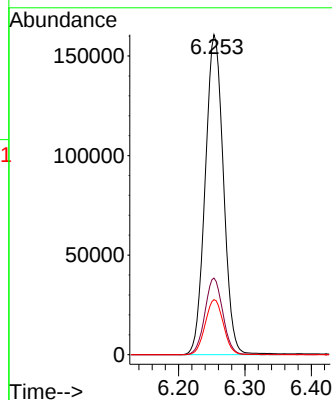
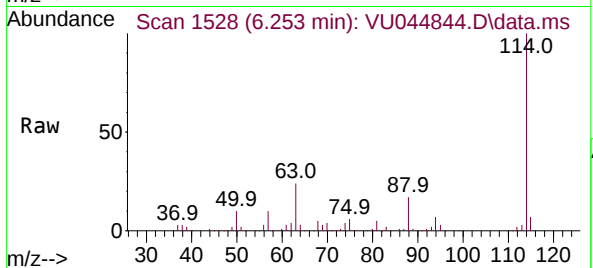
88 17.2 0.0 32.8

Instrument :

MSVOA_U

ClientSampleId :

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#35

Dibromofluoromethane

Concen: 48.759 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VU044844.D

Acq: 25 Sep 2021 18:07

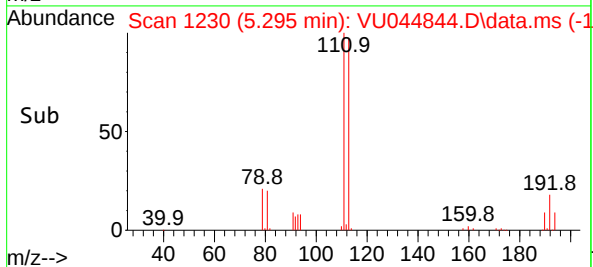
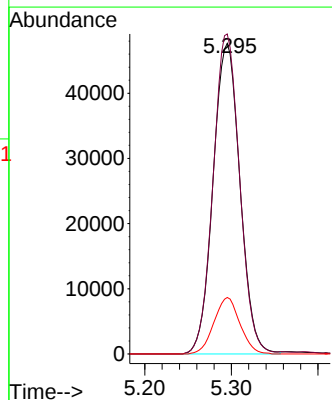
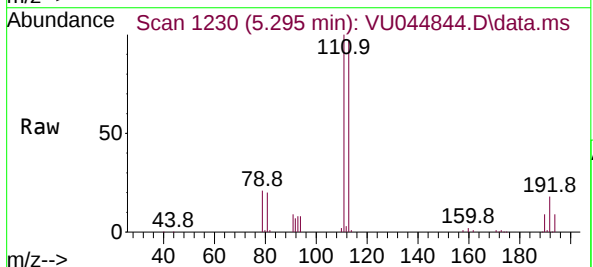
Tgt Ion:113 Resp: 102750

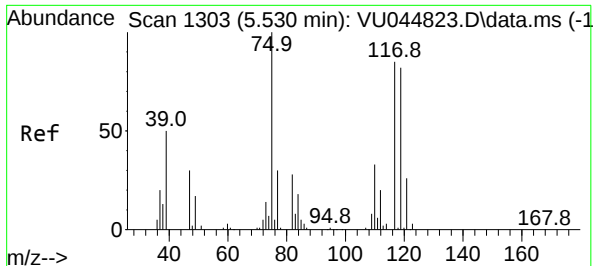
Ion Ratio Lower Upper

113 100

111 101.5 84.1 126.1

192 17.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.074 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU044844.D

Acq: 25 Sep 2021 18:07

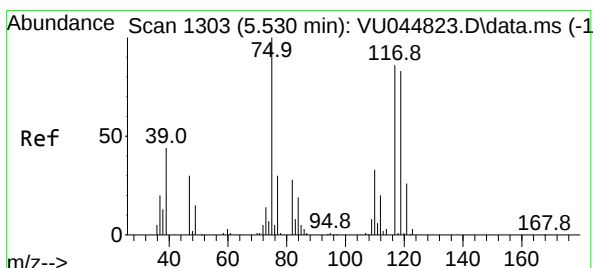
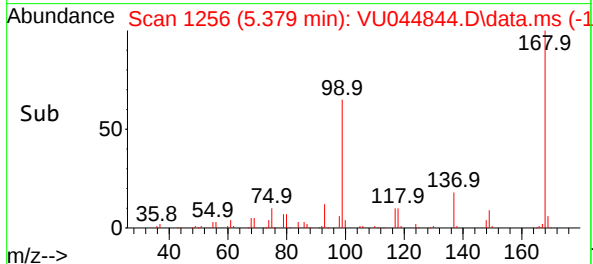
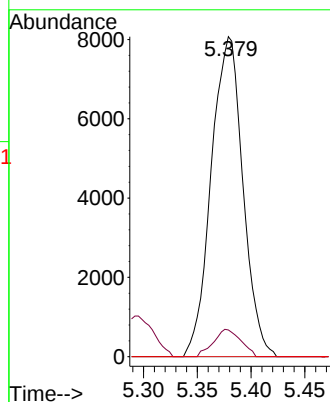
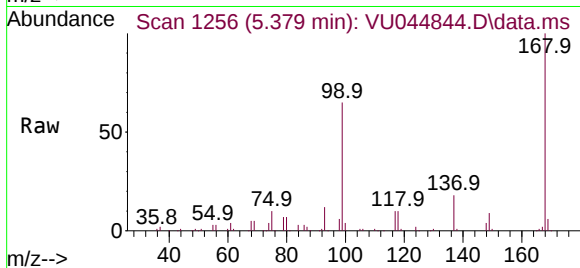
Instrument :

MSVOA_U

ClientSampleId :

RE123D2-20210918

Tgt Ion:	75	Resp:	16537
Ion Ratio	Lower	Upper	
75	100		
110	7.4	16.3	48.9#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 6.184 ug/l

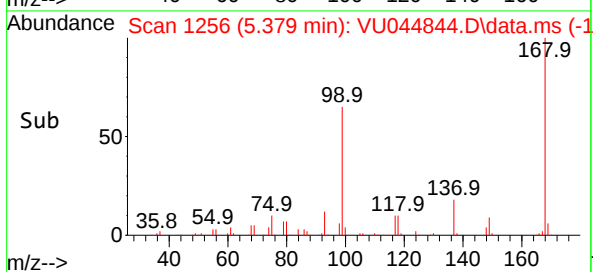
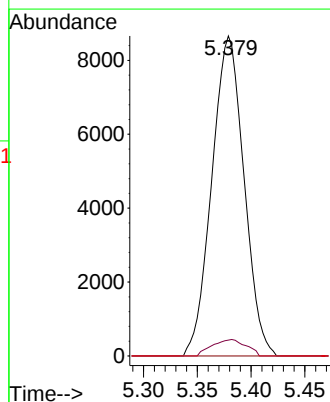
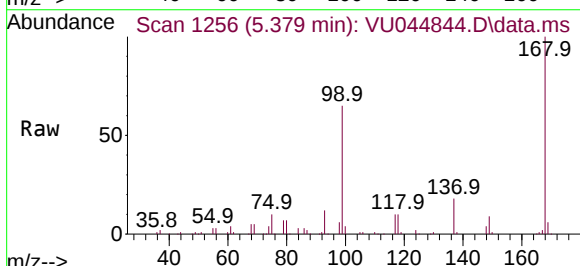
RT: 5.379 min Scan# 1256

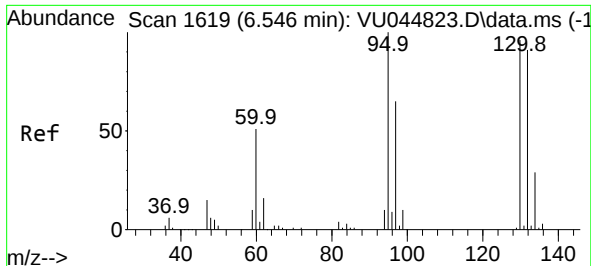
Delta R.T. -0.151 min

Lab File: VU044844.D

Acq: 25 Sep 2021 18:07

Tgt Ion:	117	Resp:	18019
Ion Ratio	Lower	Upper	
117	100		
119	4.9	77.4	116.2#
121	0.0	24.5	36.7#

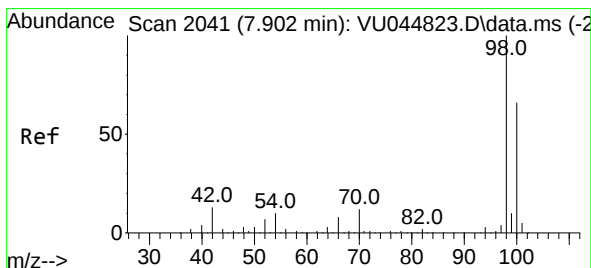
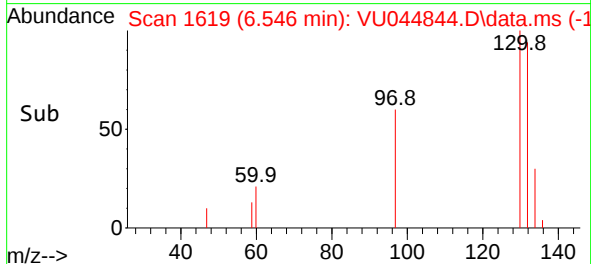
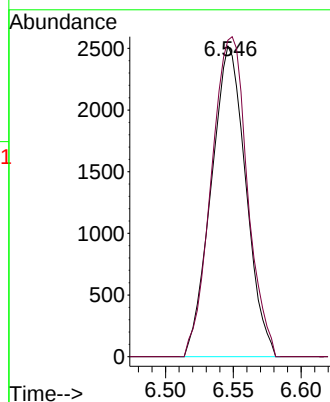
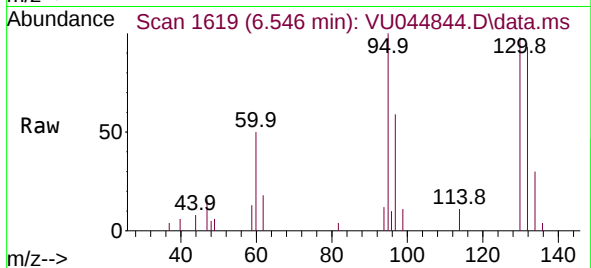




#44
Trichloroethene
Concen: 1.870 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

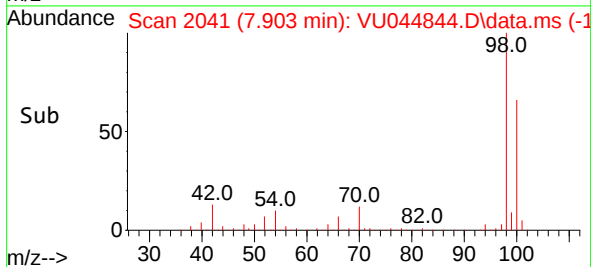
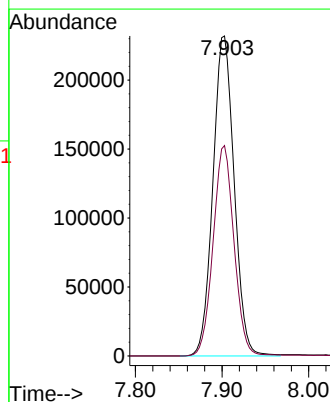
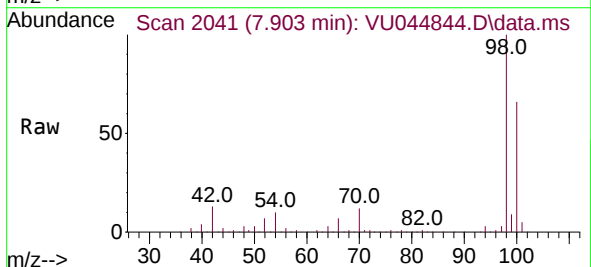
Instrument :
MSVOA_U
ClientSampleId :
RE123D2-20210918

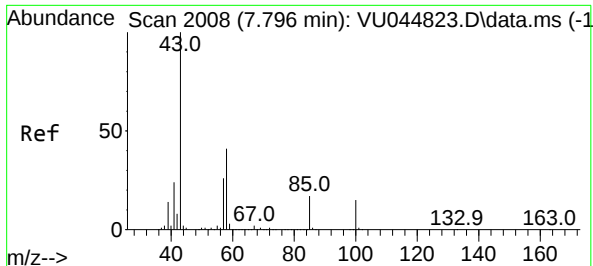
Tgt Ion:130 Resp: 4466
Ion Ratio Lower Upper
130 100
95 101.9 0.0 209.0



#50
Toluene-d8
Concen: 49.686 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

Tgt Ion: 98 Resp: 395440
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7

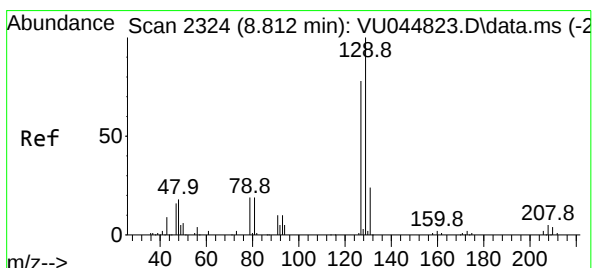
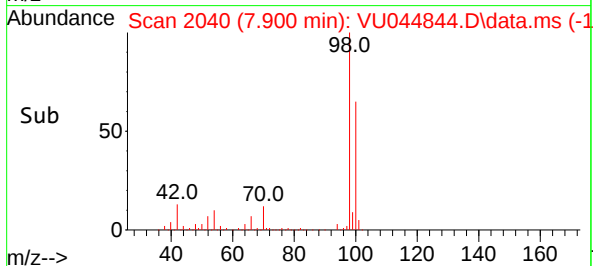
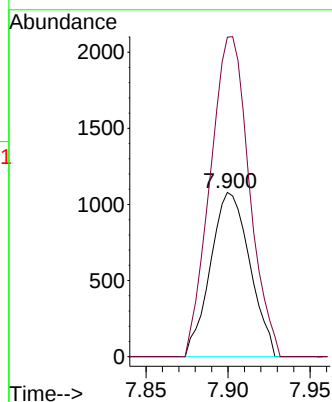
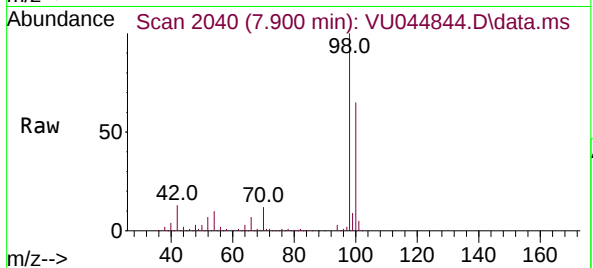




#51
4-Methyl-2-Pentanone
Concen: 0.376 ug/l
RT: 7.900 min Scan# 2040
Delta R.T. 0.103 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

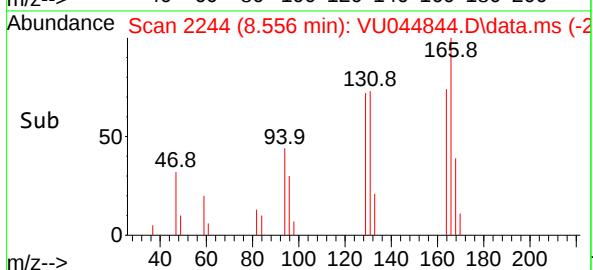
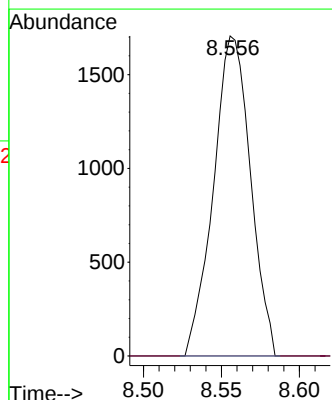
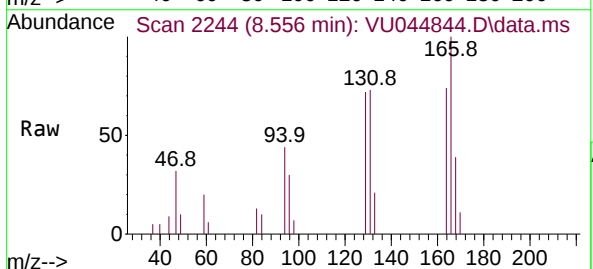
Instrument :
MSVOA_U
ClientSampleId :
RE123D2-20210918

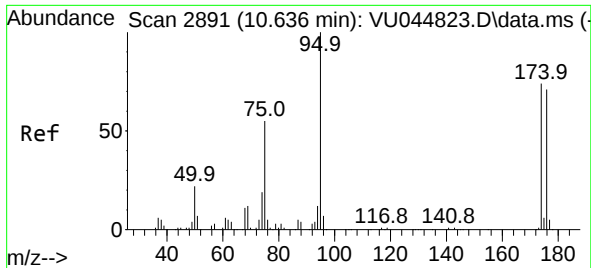
Tgt Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
58 193.6 32.4 48.6#



#60
Dibromochloromethane
Concen: 1.160 ug/l
RT: 8.556 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

Tgt Ion: 129 Resp: 2821
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

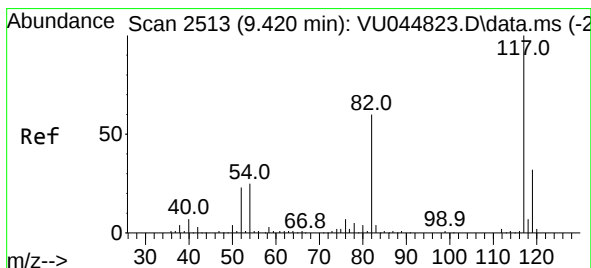
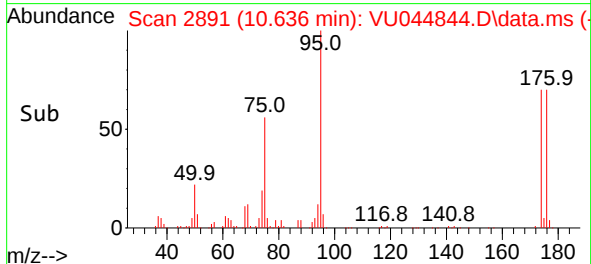
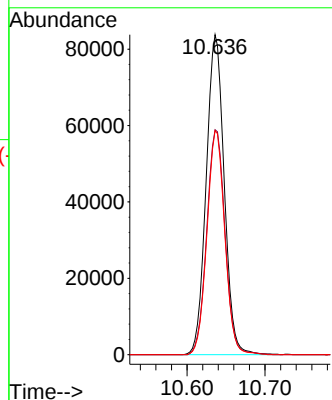
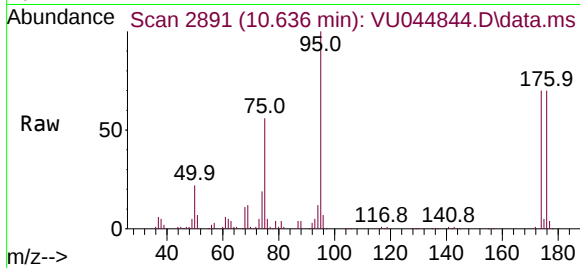




#62
4-Bromofluorobenzene
Concen: 45.499 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

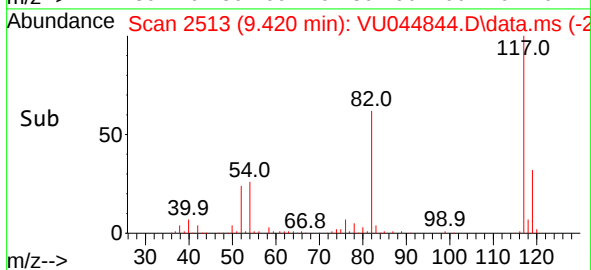
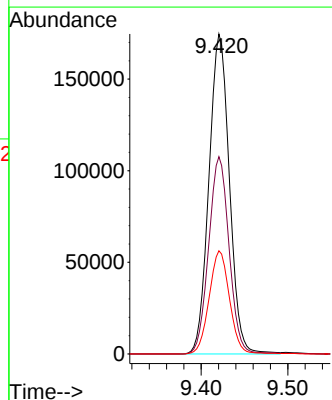
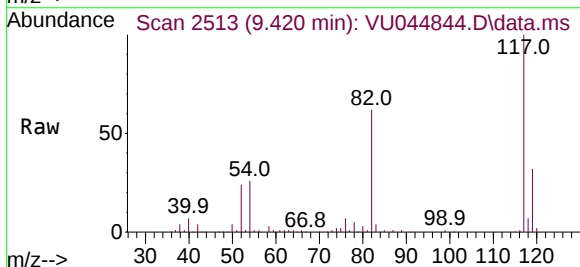
Instrument :
MSVOA_U
ClientSampleId :
RE123D2-20210918

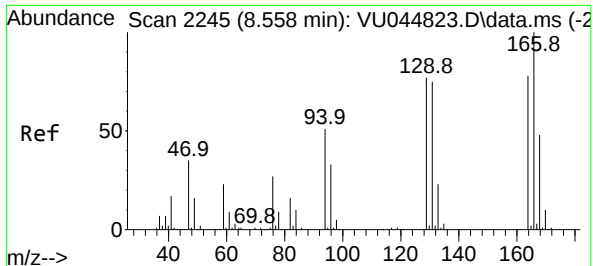
Tgt Ion: 95 Resp: 134499
Ion Ratio Lower Upper
95 100
174 71.6 0.0 146.6
176 69.4 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

Tgt Ion: 117 Resp: 286946
Ion Ratio Lower Upper
117 100
82 61.7 47.8 71.8
119 32.2 25.8 38.6



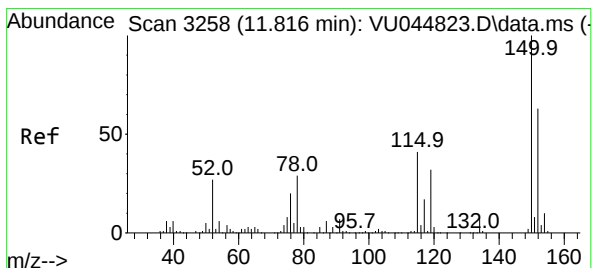
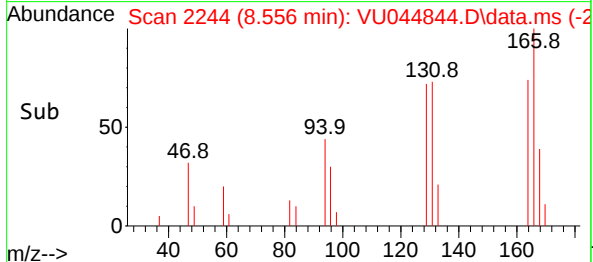
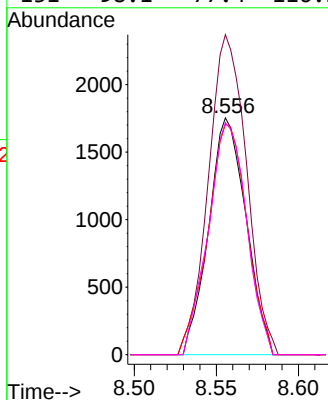
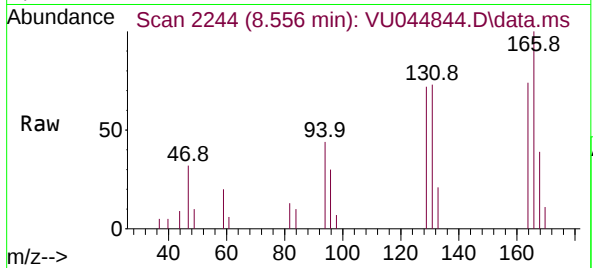


#64
Tetrachloroethene
Concen: 1.426 ug/l
RT: 8.556 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

Instrument :
MSVOA_U
ClientSampleId :
RE123D2-20210918

Tgt Ion:164 Resp: 2774

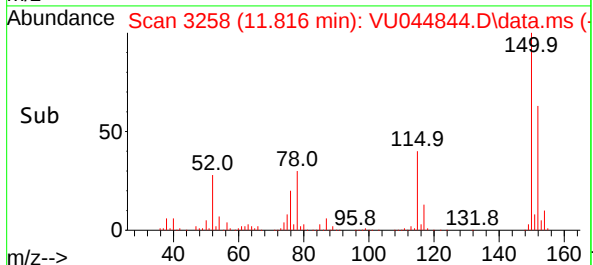
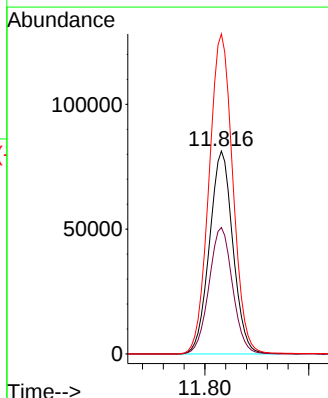
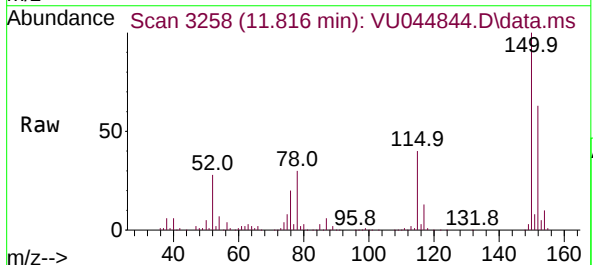
Ion	Ratio	Lower	Upper
164	100		
166	135.1	102.8	154.2
129	97.3	79.4	119.2
131	98.1	77.4	116.2

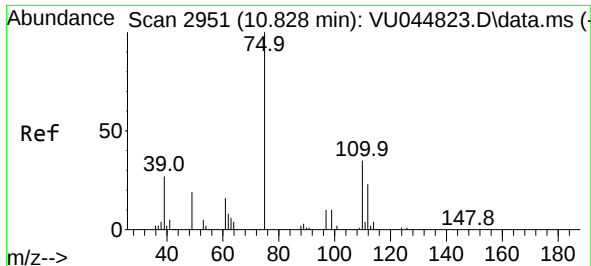


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

Tgt Ion:152 Resp: 127502

Ion	Ratio	Lower	Upper
152	100		
115	62.6	43.5	130.7
150	160.3	0.0	350.0

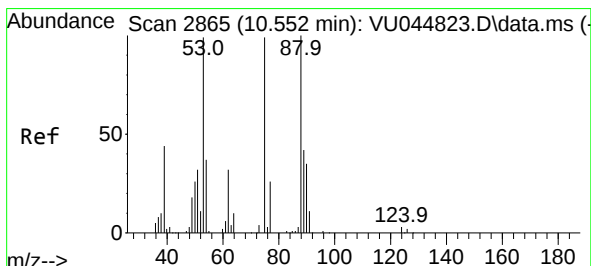
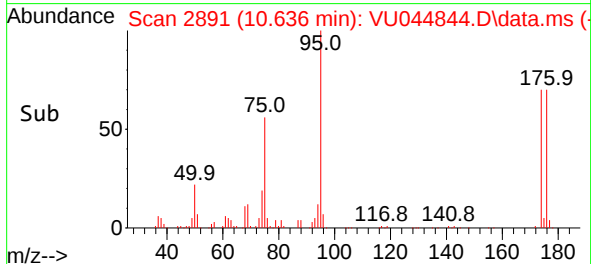
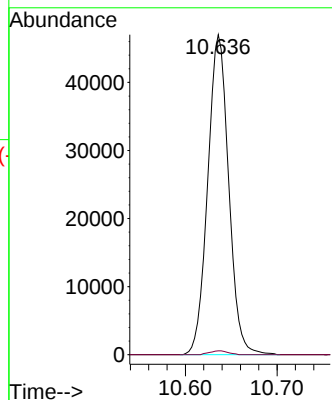
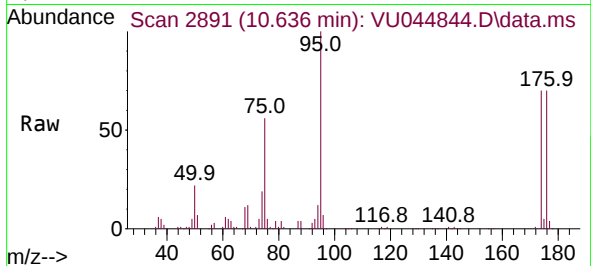




#76
1,2,3-Trichloropropane
Concen: 19.326 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

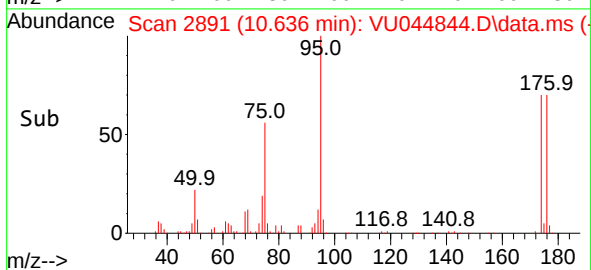
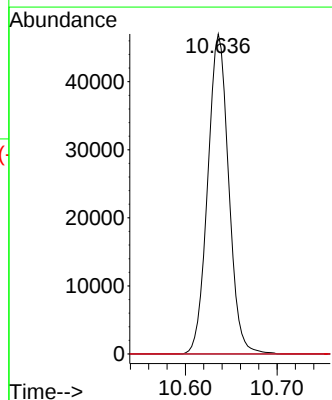
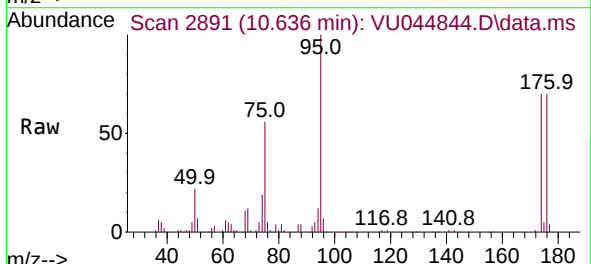
Instrument :
MSVOA_U
ClientSampleId :
RE123D2-20210918

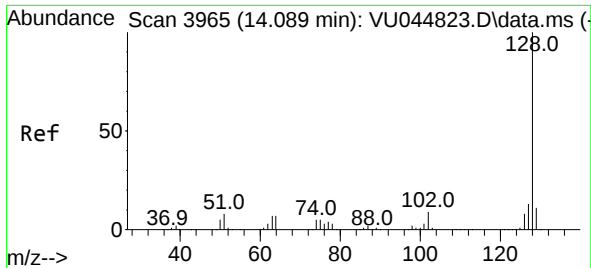
Tgt Ion: 75 Resp: 74617
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.606 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

Tgt Ion: 75 Resp: 74617
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#





#95
Naphthalene
Concen: 0.975 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.006 min
Lab File: VU044844.D
Acq: 25 Sep 2021 18:07

Instrument :
MSVOA_U
ClientSampleId :
RE123D2-20210918

Tgt Ion:128 Resp: 320
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

