

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044862.D
 Acq On : 26 Sep 2021 01:56
 Operator : SY/MD
 Sample : M3829-15 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE120D2-20210917DL

Quant Time: Sep 27 03:13:49 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)

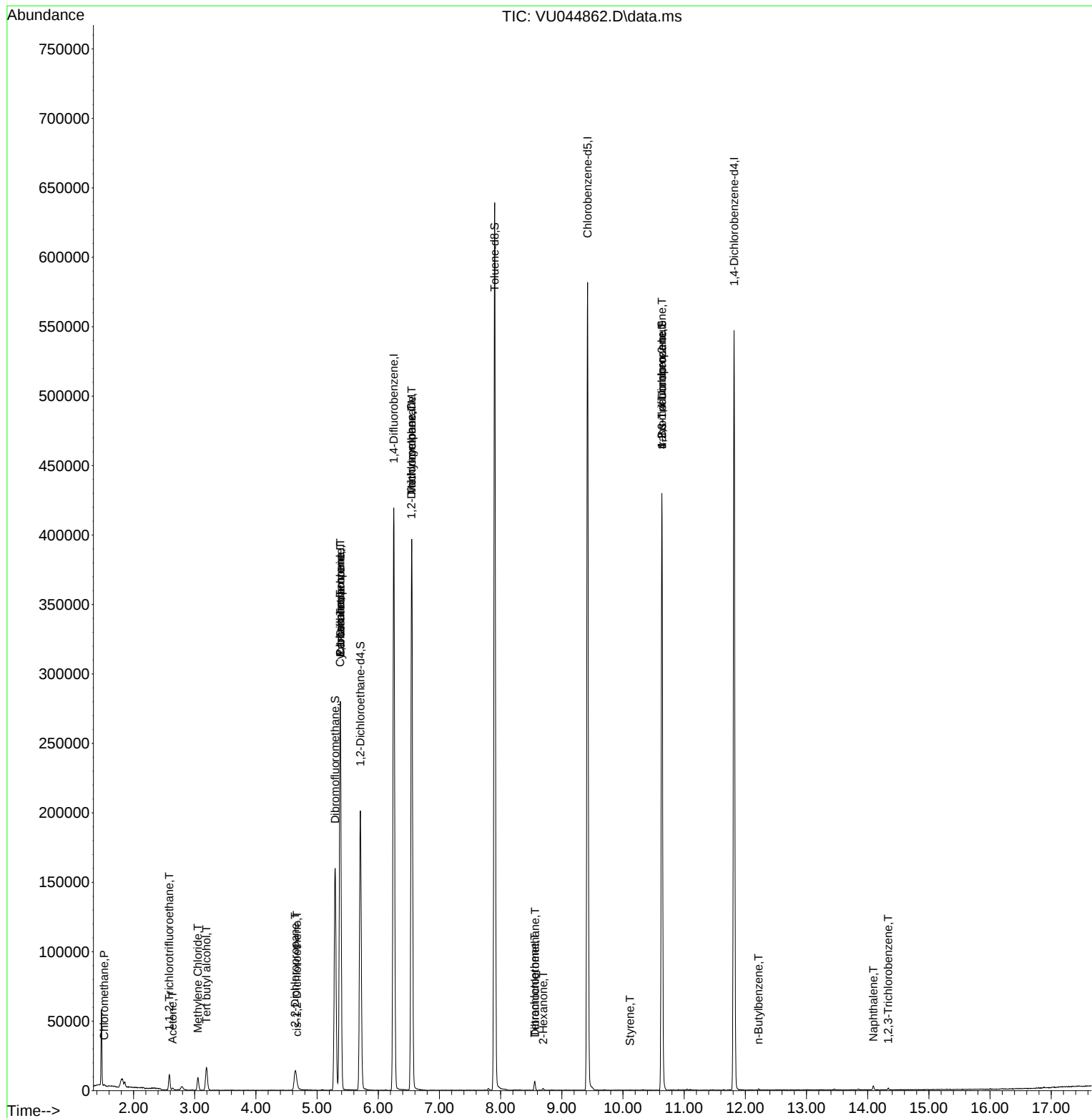
Internal Standards						
1) Pentafluorobenzene	5.379	168	178766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	320698	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	298522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	132264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	151769	48.645	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.280%	
35) Dibromofluoromethane	5.295	113	103540	47.063	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.120%	
50) Toluene-d8	7.903	98	404724	48.709	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.420%	
62) 4-Bromofluorobenzene	10.636	95	139531	45.212	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.420%	
Target Compounds						Qvalue
3) Chloromethane	1.520	50	657	0.202	ug/l	92
5) Bromomethane	1.858	94	1059	Below Cal		100
6) Chloroethane	1.909	64	136	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	2.581	101	3925	1.805	ug/l	99
11) Tert butyl alcohol	3.189	59	10625	11.668	ug/l	# 72
16) Acetone	2.639	43	2150	1.222	ug/l	97
20) Methylene Chloride	3.051	84	4181	1.468	ug/l	98
26) 2,2-Dichloropropane	4.639	77	926	0.258	ug/l	# 54
27) cis-1,2-Dichloroethene	4.671	96	767	0.274	ug/l	55
31) Cyclohexane	5.376	56	4737	1.058	ug/l	# 1
36) 1,1-Dichloropropene	5.379	75	17301	5.085	ug/l	# 49
38) Carbon Tetrachloride	5.379	117	18632	6.125	ug/l	# 16
39) Methylcyclohexane	6.546	83	1662	0.432	ug/l	# 1
44) Trichloroethene	6.546	130	126186	50.610	ug/l	97
45) 1,2-Dichloropropane	6.543	63	657	0.234	ug/l	# 1
59) 2-Hexanone	8.697	43	961	0.240	ug/l	95
60) Dibromochloromethane	8.562	129	1375	0.541	ug/l	# 10
64) Tetrachloroethene	8.555	164	1371	0.678	ug/l	# 82
70) Styrene	10.115	104	121	1.027	ug/l	# 25
76) 1,2,3-Trichloropropane	10.636	75	76254	19.039	ug/l	# 41
81) trans-1,4-Dichloro-2-b...	10.636	75	76254	61.676	ug/l	# 9
89) n-Butylbenzene	12.214	91	468	1.330	ug/l	# 82
95) Naphthalene	14.092	128	3151	1.248	ug/l	# 90
96) 1,2,3-Trichlorobenzene	14.333	180	586	0.226	ug/l	87

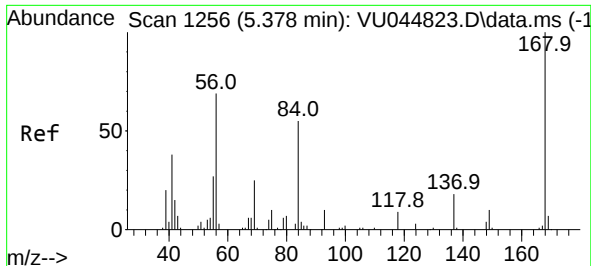
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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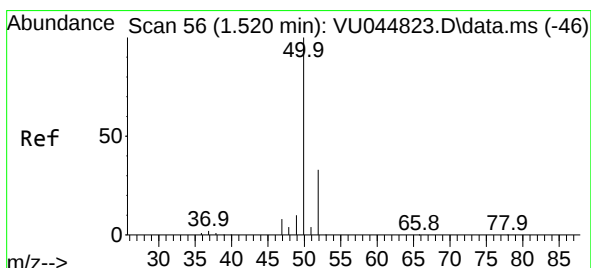
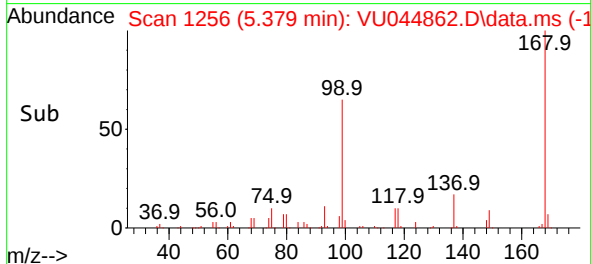
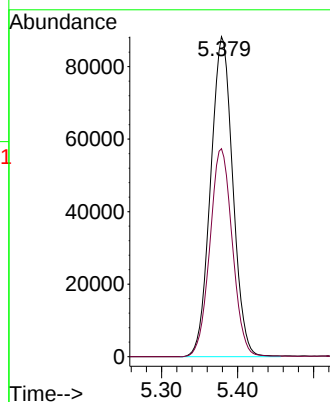
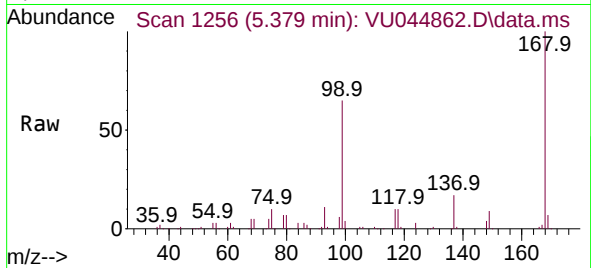




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.001 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

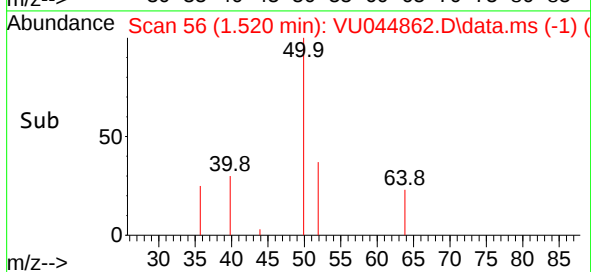
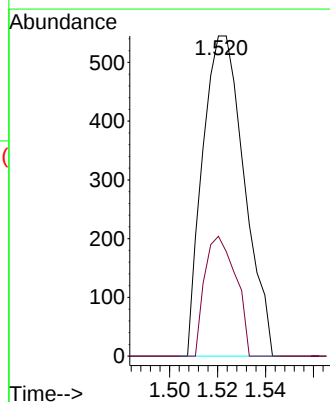
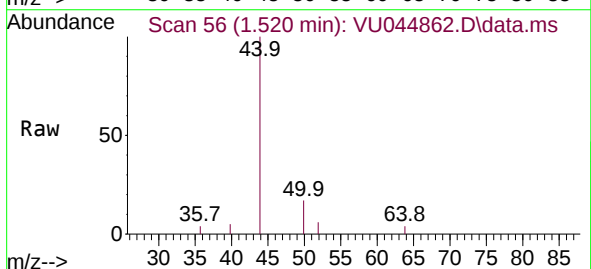
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917DL

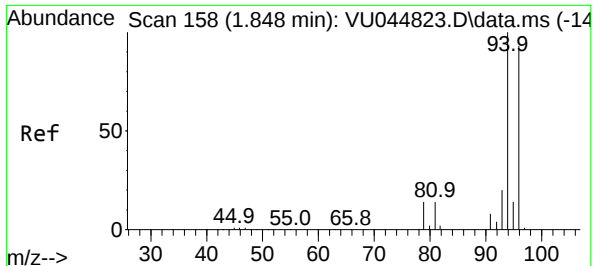
Tgt Ion:168 Resp: 178766
Ion Ratio Lower Upper
168 100
99 65.0 51.4 77.0



#3
Chloromethane
Concen: 0.202 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Tgt Ion: 50 Resp: 657
Ion Ratio Lower Upper
50 100
52 37.4 26.3 39.5

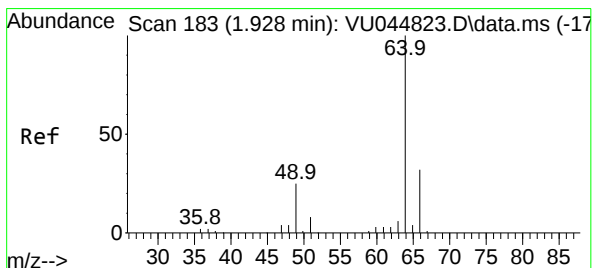
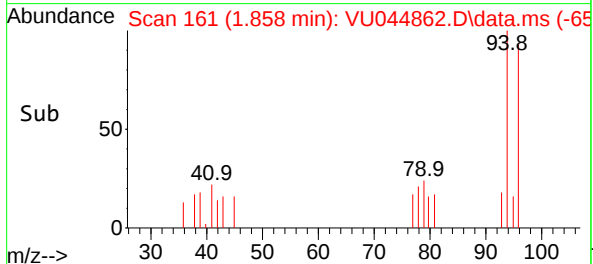
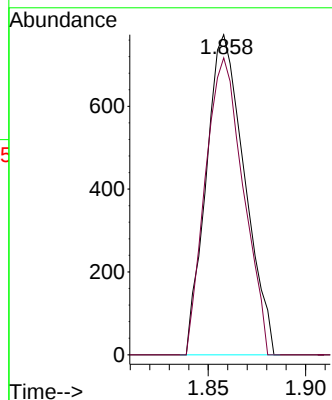
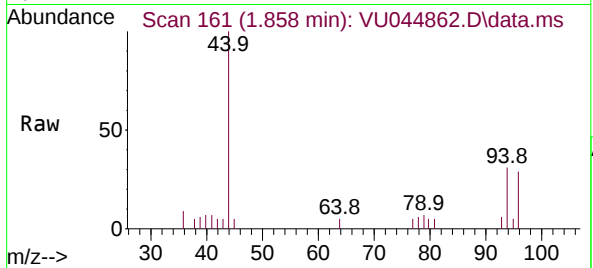




#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. 0.010 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

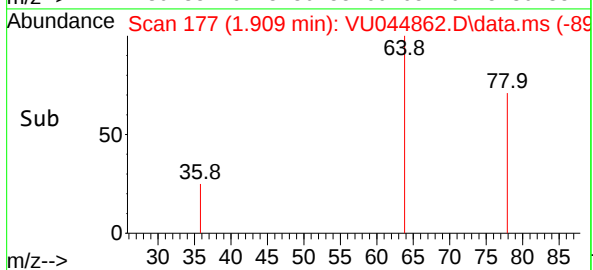
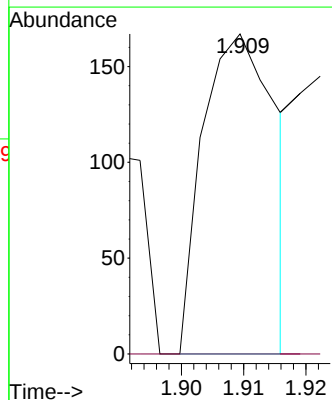
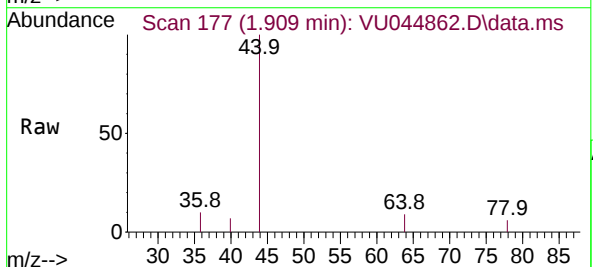
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917DL

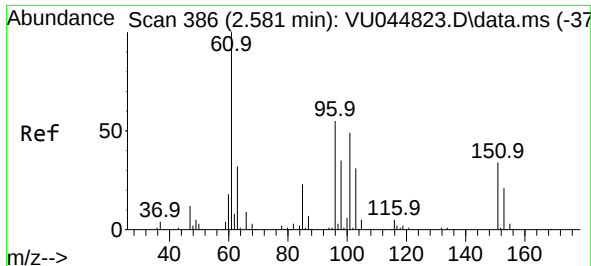
Tgt Ion: 94 Resp: 1059
Ion Ratio Lower Upper
94 100
96 92.8 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.909 min Scan# 177
Delta R.T. -0.019 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

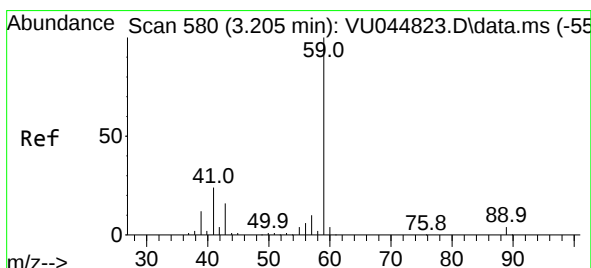
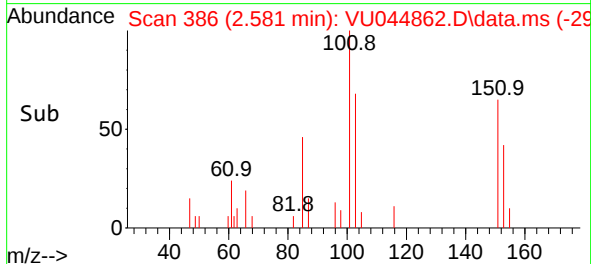
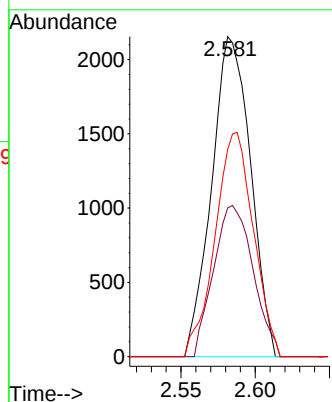
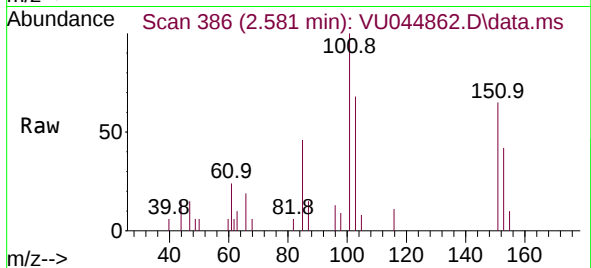




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.805 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

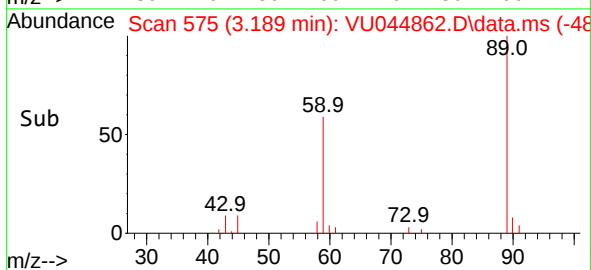
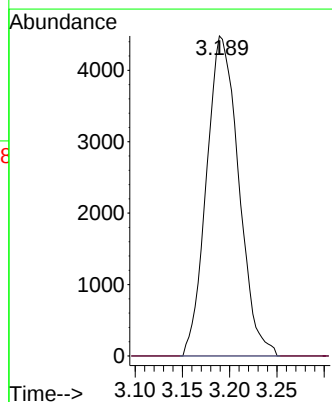
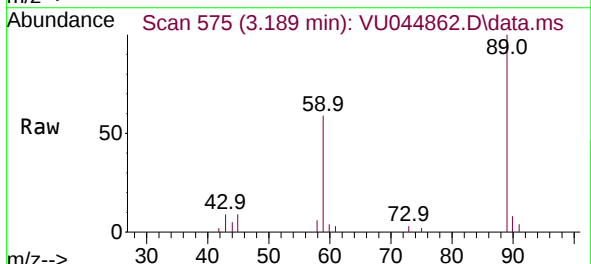
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917DL

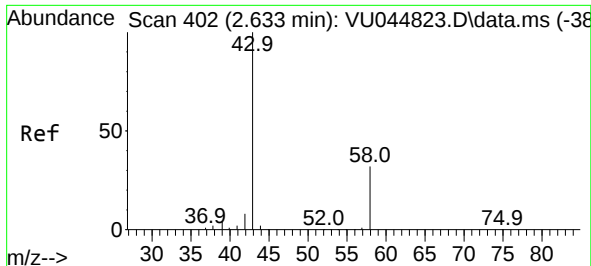
Tgt Ion:	101	Resp:	3925
Ion	Ratio	Lower	Upper
101	100		
85	48.1	37.2	55.8
151	69.1	55.8	83.8



#11
Tert butyl alcohol
Concen: 11.668 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.016 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

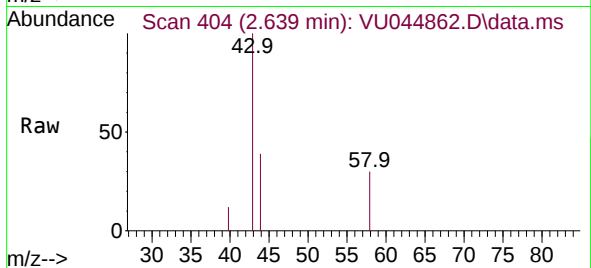
Tgt Ion:	59	Resp:	10625
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5



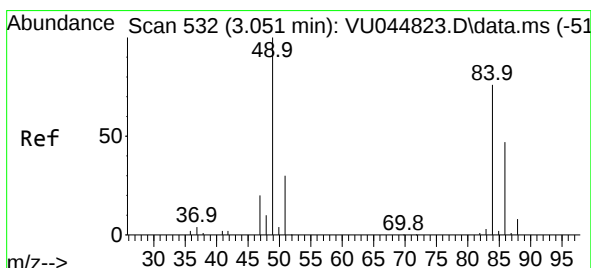
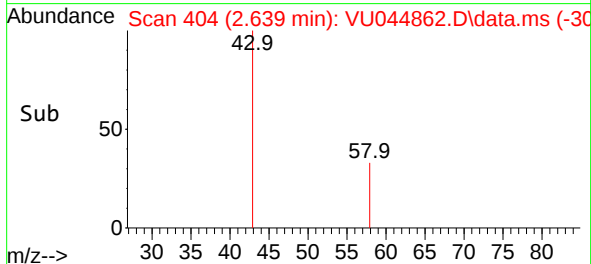
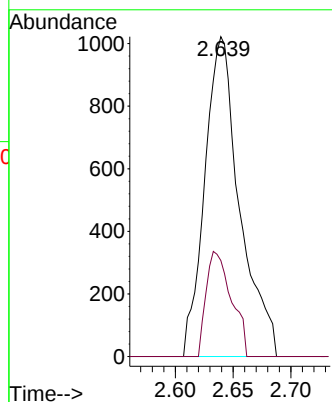


#16
Acetone
Concen: 1.222 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.007 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917DL

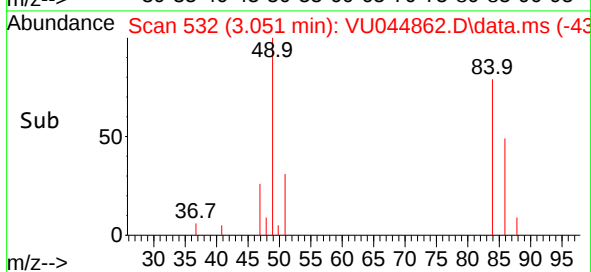
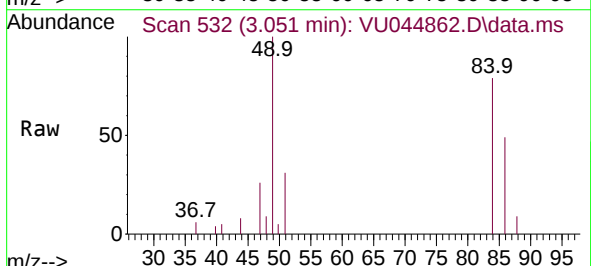
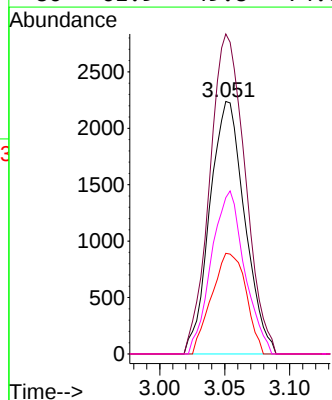


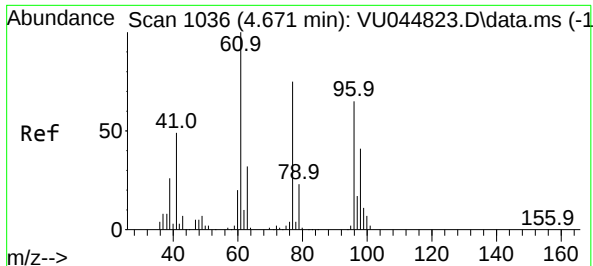
Tgt Ion: 43 Resp: 2150
Ion Ratio Lower Upper
43 100
58 30.0 25.2 37.8



#20
Methylene Chloride
Concen: 1.468 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Tgt Ion: 84 Resp: 4181
Ion Ratio Lower Upper
84 100
49 126.7 104.9 157.3
51 39.9 31.8 47.8
86 61.9 49.8 74.6





#26

2,2-Dichloropropane

Concen: 0.258 ug/l

RT: 4.639 min Scan# 1026

Delta R.T. -0.032 min

Lab File: VU044862.D

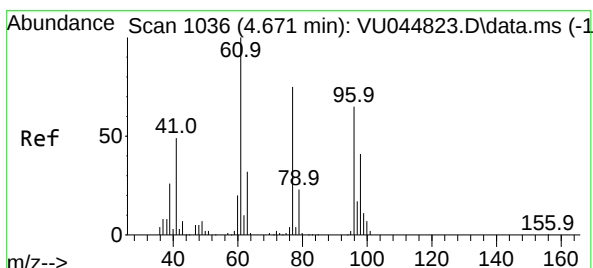
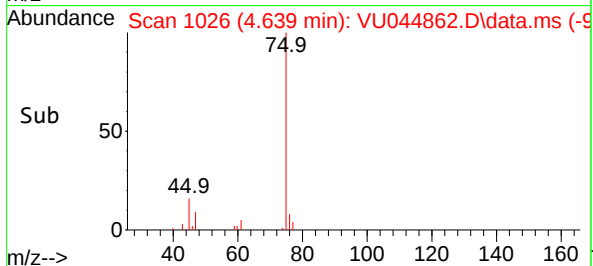
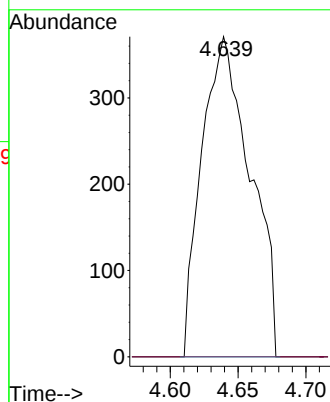
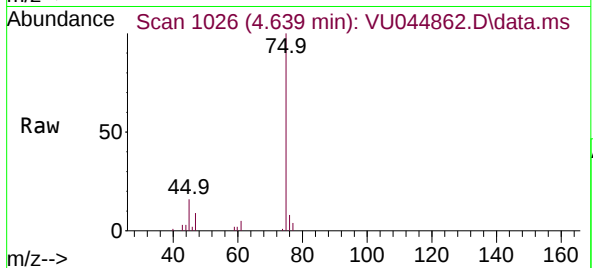
Acq: 26 Sep 2021 01:56

Tgt Ion: 77 Resp: 926

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#27

cis-1,2-Dichloroethene

Concen: 0.274 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU044862.D

Acq: 26 Sep 2021 01:56

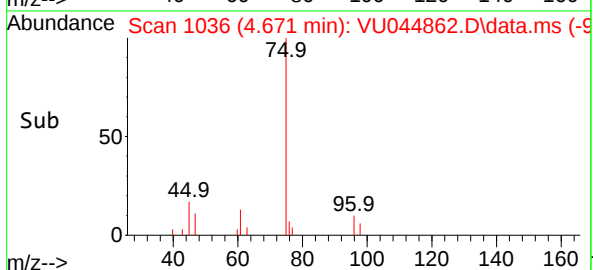
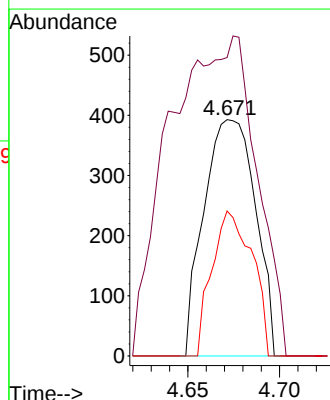
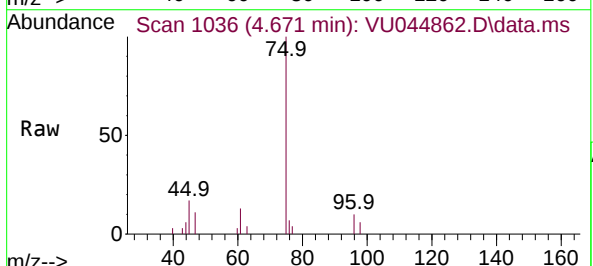
Tgt Ion: 96 Resp: 767

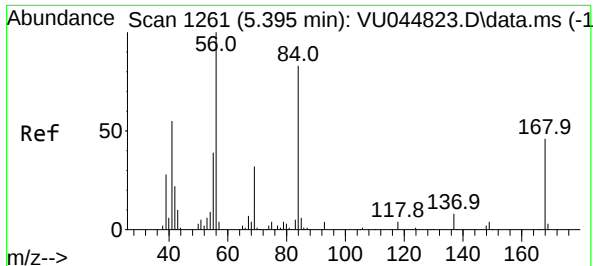
Ion Ratio Lower Upper

96 100

61 228.0 0.0 313.4

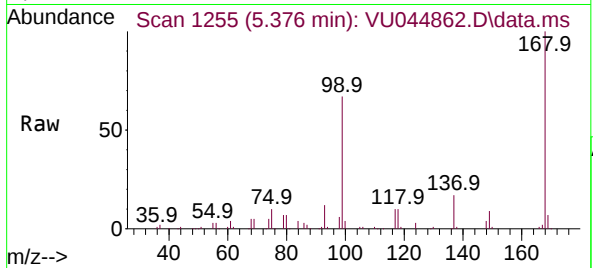
98 47.8 0.0 127.0



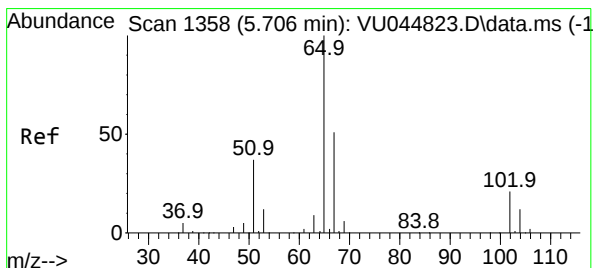
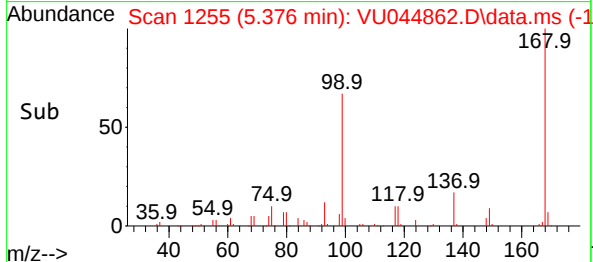
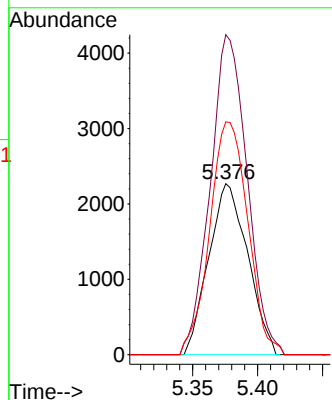


#31
Cyclohexane
Concen: 1.058 ug/l
RT: 5.376 min Scan# 1255
Delta R.T. -0.019 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Instrument :
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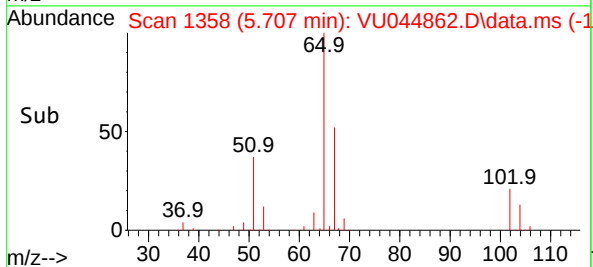
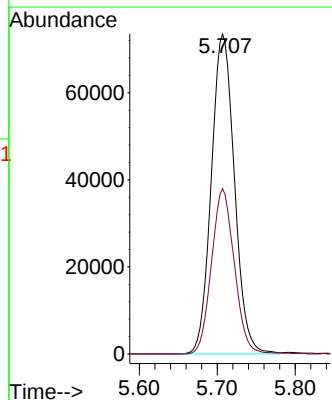
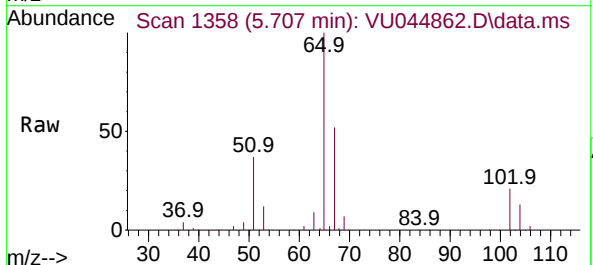


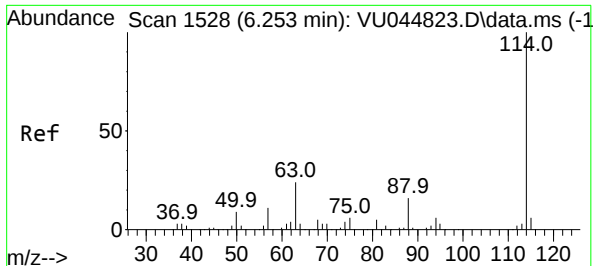
Tgt Ion: 56 Resp: 4737
Ion Ratio Lower Upper
56 100
69 187.0 25.2 37.8#
84 136.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.645 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Tgt Ion: 65 Resp: 151769
Ion Ratio Lower Upper
65 100
67 51.0 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: VU044862.D

Acq: 26 Sep 2021 01:56

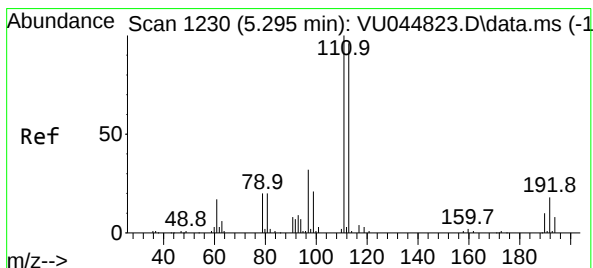
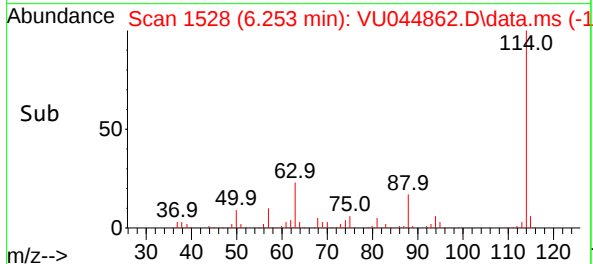
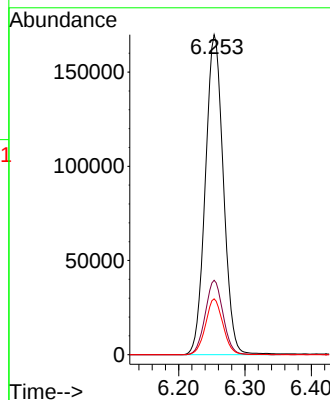
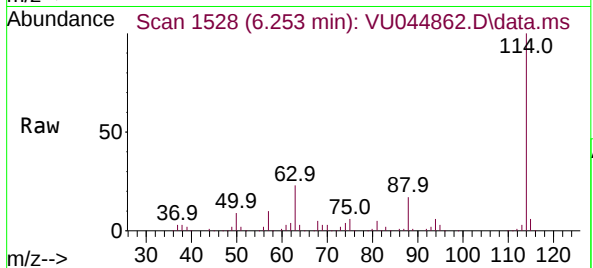
Tgt Ion:114 Resp: 320698

Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.8

88 17.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.063 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VU044862.D

Acq: 26 Sep 2021 01:56

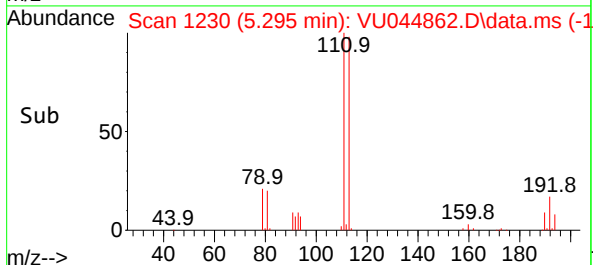
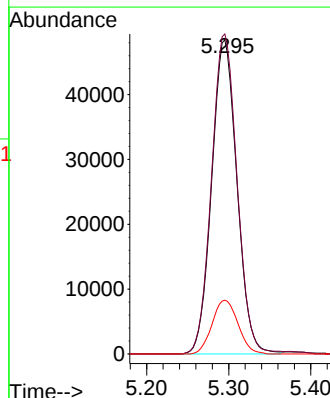
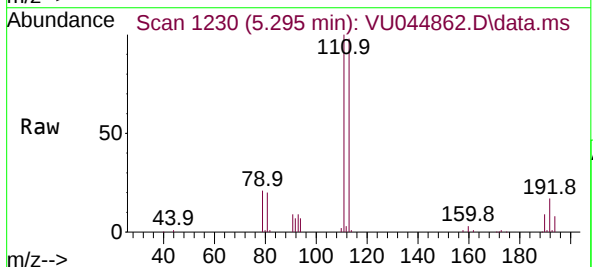
Tgt Ion:113 Resp: 103540

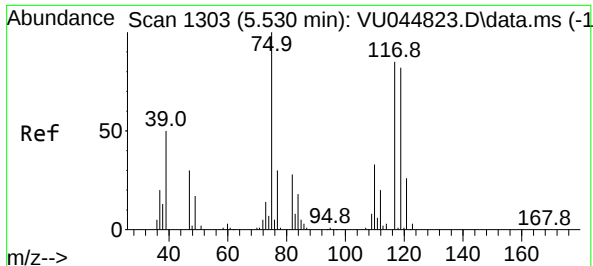
Ion Ratio Lower Upper

113 100

111 103.2 84.1 126.1

192 17.6 14.8 22.2



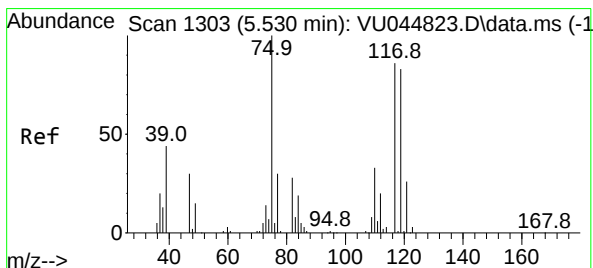
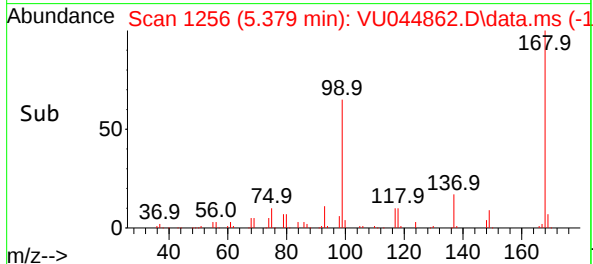
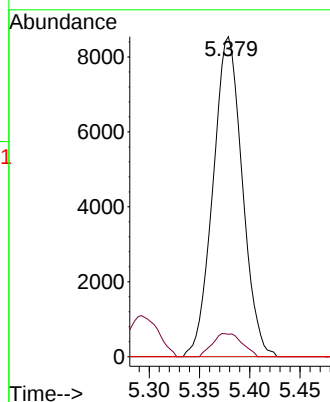
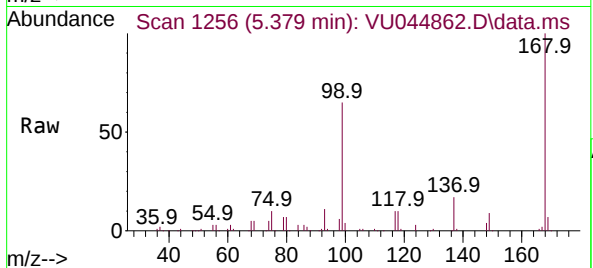


#36

1,1-Dichloropropene
Concen: 5.085 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917DL

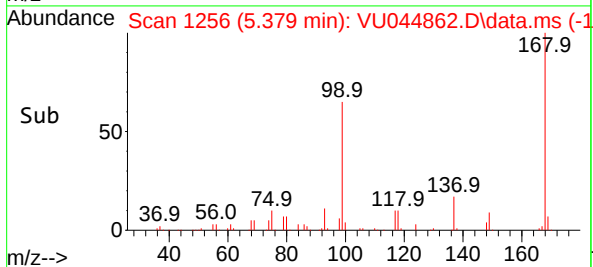
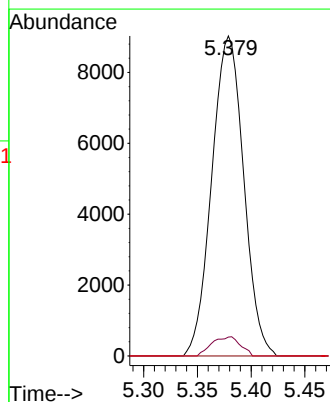
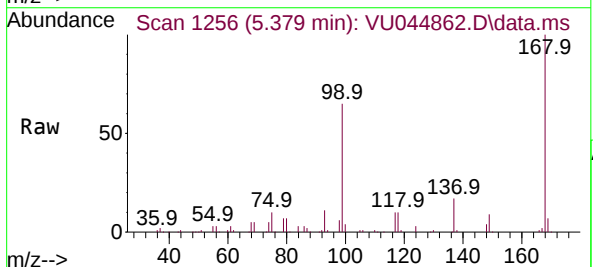
Tgt Ion: 75 Resp: 17301
Ion Ratio Lower Upper
75 100
110 7.3 16.3 48.9#
77 0.0 25.0 37.4#

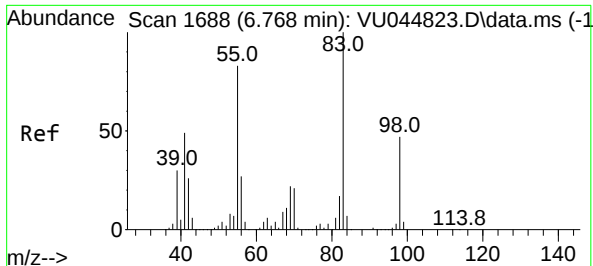


#38

Carbon Tetrachloride
Concen: 6.125 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Tgt Ion: 117 Resp: 18632
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.2#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 0.432 ug/l

RT: 6.546 min Scan# 1619

Delta R.T. -0.222 min

Lab File: VU044862.D

Acq: 26 Sep 2021 01:56

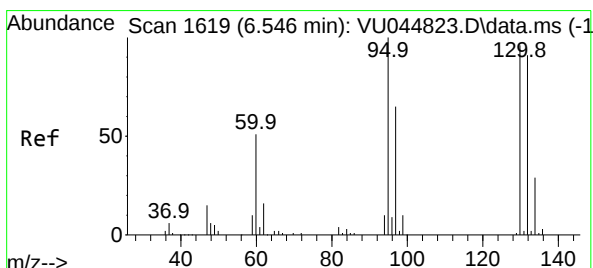
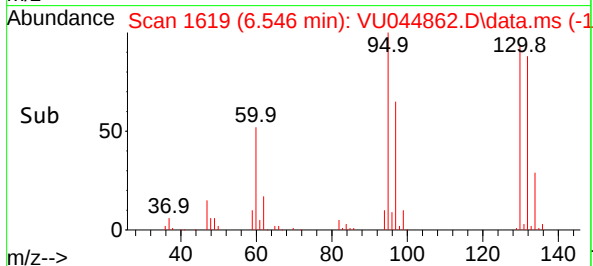
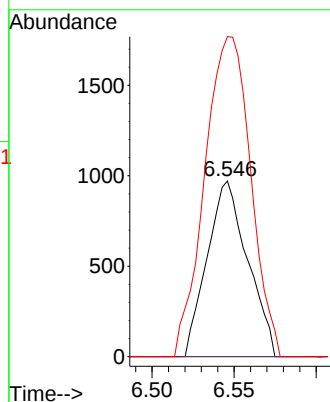
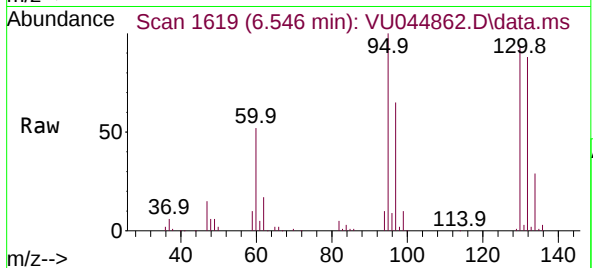
Tgt Ion:	83	Resp:	1662
Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.2	99.4#
98	182.2	37.5	56.3#

Instrument :

MSVOA_U

ClientSampleId :

RE120D2-20210917DL



#44

Trichloroethene

Concen: 50.610 ug/l

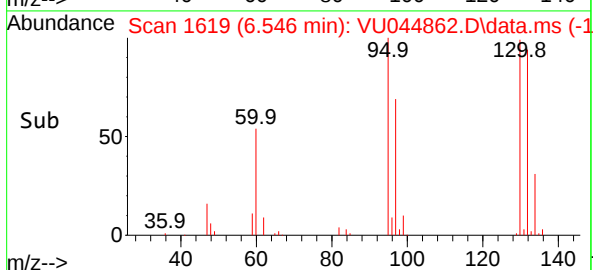
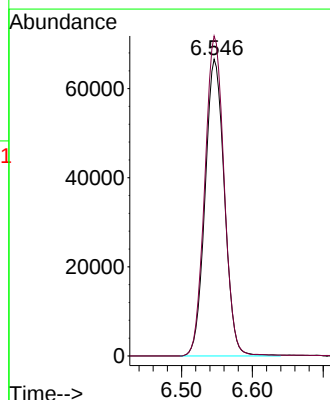
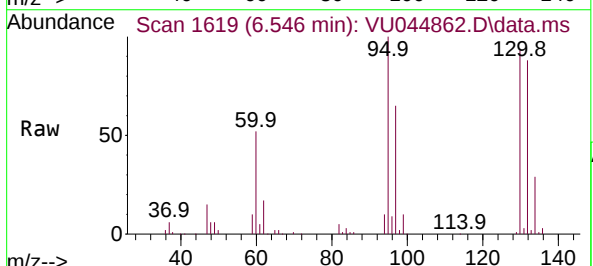
RT: 6.546 min Scan# 1619

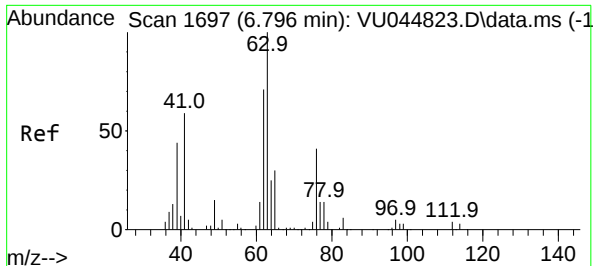
Delta R.T. 0.000 min

Lab File: VU044862.D

Acq: 26 Sep 2021 01:56

Tgt Ion:	130	Resp:	126186
Ion	Ratio	Lower	Upper
130	100		
95	107.8	0.0	209.0





#45

1,2-Dichloropropane

Concen: 0.234 ug/l

RT: 6.543 min Scan# 1618

Delta R.T. -0.254 min

Lab File: VU044862.D

Acq: 26 Sep 2021 01:56

Tgt Ion: 63 Resp: 657

Ion Ratio Lower Upper

63 100

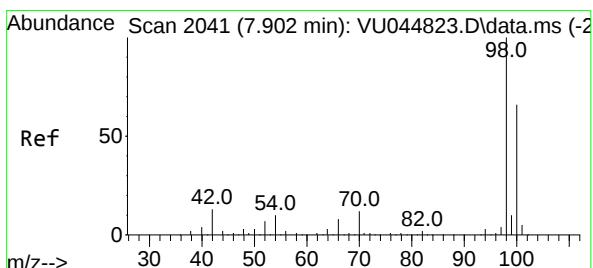
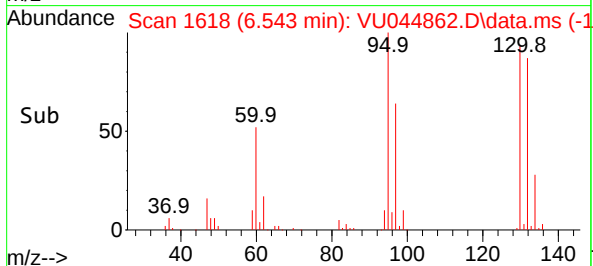
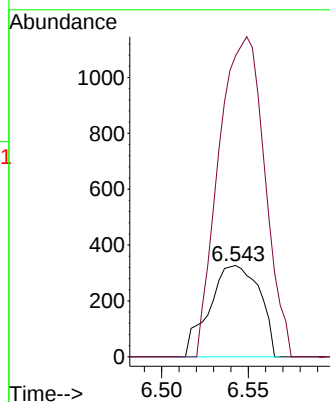
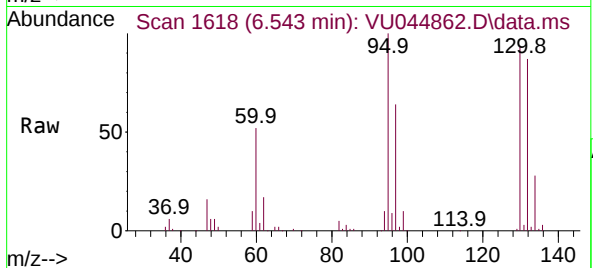
65 329.4 23.9 35.9#

Instrument :

MSVOA_U

ClientSampleId :

RE120D2-20210917DL



#50

Toluene-d8

Concen: 48.709 ug/l

RT: 7.903 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU044862.D

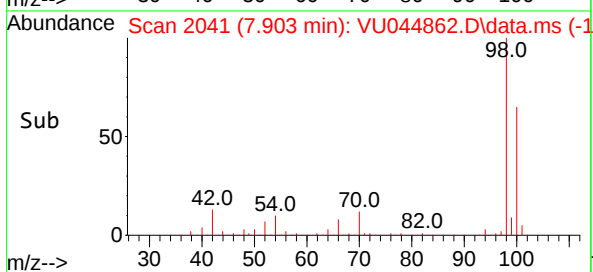
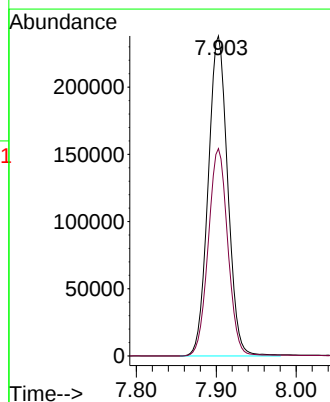
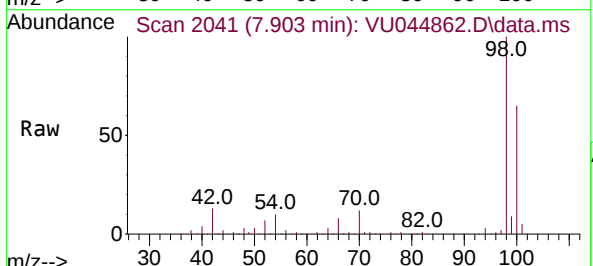
Acq: 26 Sep 2021 01:56

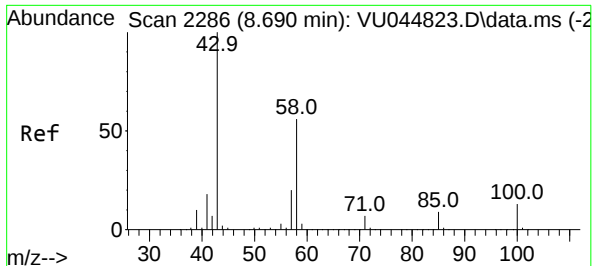
Tgt Ion: 98 Resp: 404724

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7





#59

2-Hexanone

Concen: 0.240 ug/l

RT: 8.697 min Scan# 2288

Delta R.T. 0.007 min

Lab File: VU044862.D

Acq: 26 Sep 2021 01:56

Tgt Ion: 43 Resp: 961

Ion Ratio Lower Upper

43 100

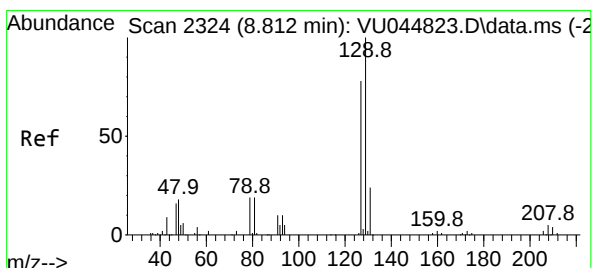
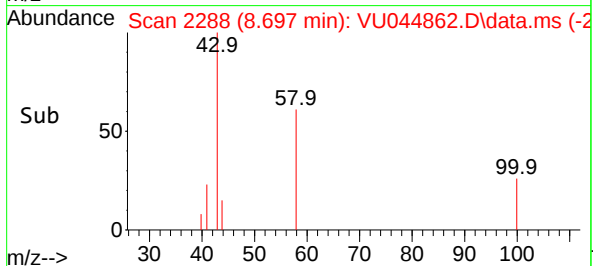
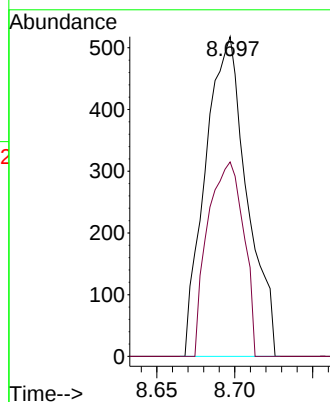
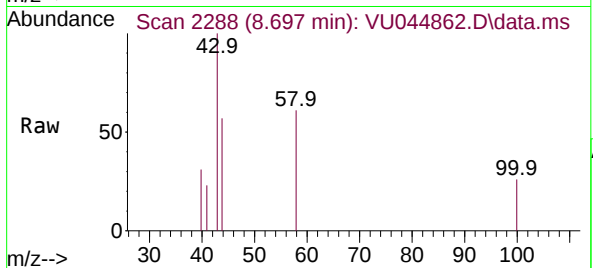
58 52.1 28.0 84.0

Instrument :

MSVOA_U

ClientSampleId :

RE120D2-20210917DL



#60

Dibromochloromethane

Concen: 0.541 ug/l

RT: 8.562 min Scan# 2246

Delta R.T. -0.251 min

Lab File: VU044862.D

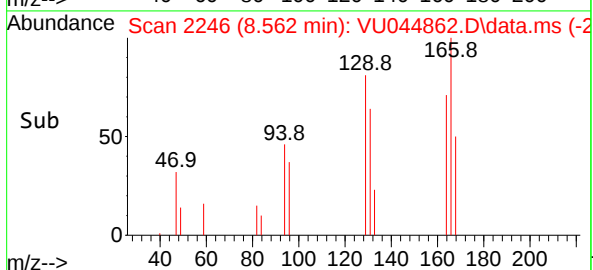
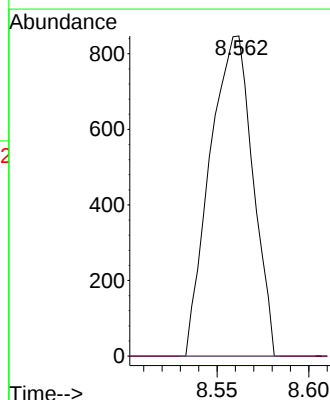
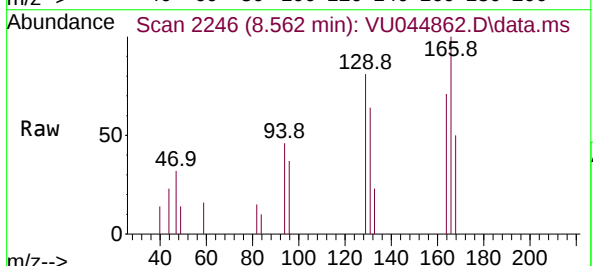
Acq: 26 Sep 2021 01:56

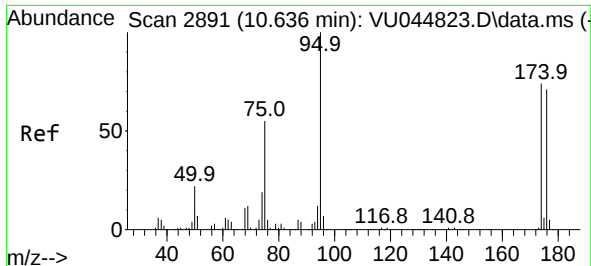
Tgt Ion: 129 Resp: 1375

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

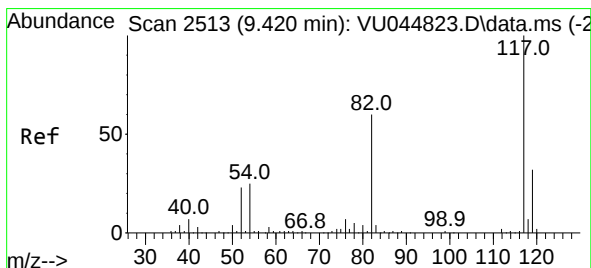
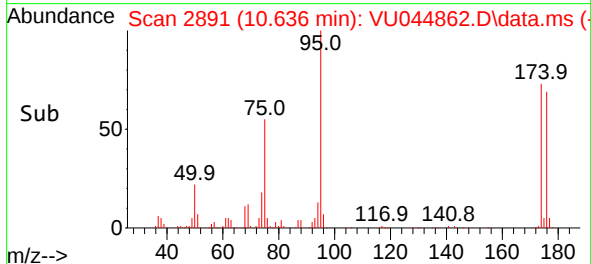
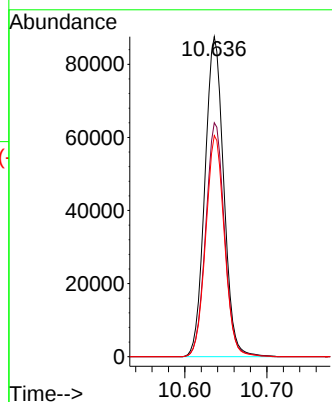
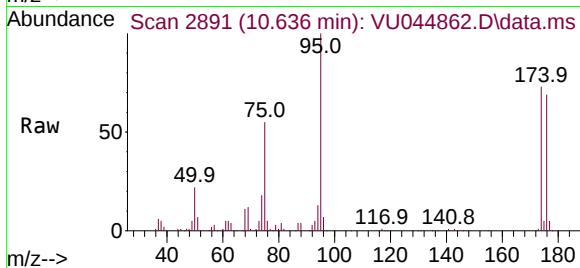




#62
4-Bromofluorobenzene
Concen: 45.212 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

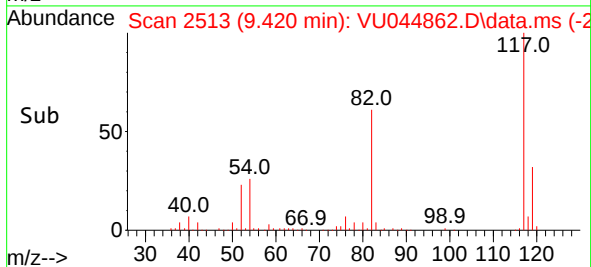
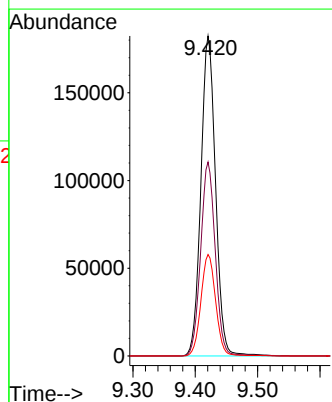
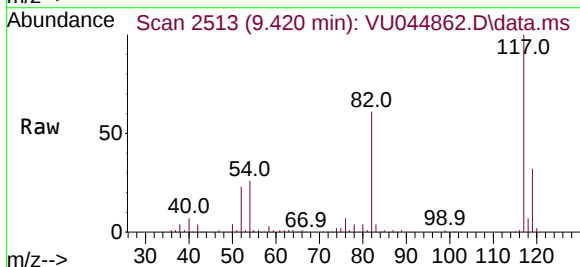
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917DL

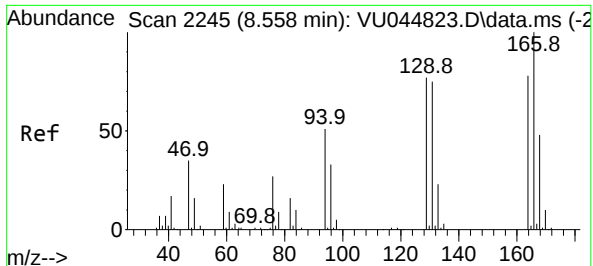
Tgt Ion: 95 Resp: 139531
Ion Ratio Lower Upper
95 100
174 72.9 0.0 146.6
176 68.6 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Tgt Ion: 117 Resp: 298522
Ion Ratio Lower Upper
117 100
82 60.6 47.8 71.8
119 31.7 25.8 38.6



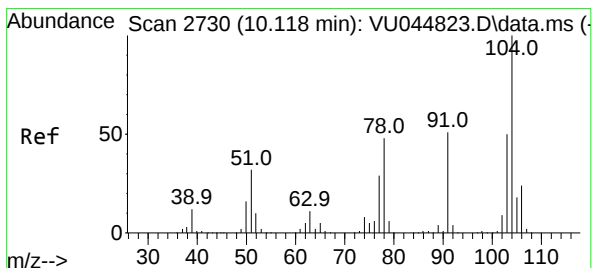
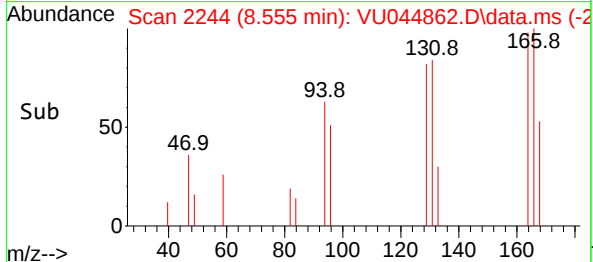
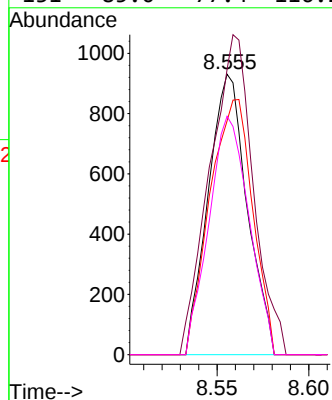
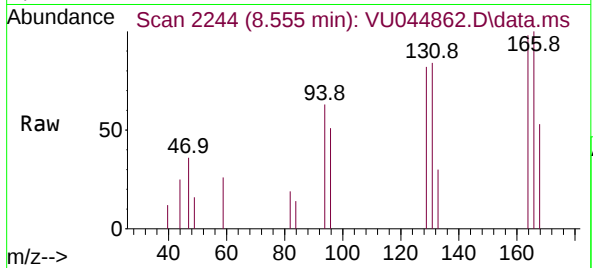


#64
Tetrachloroethene
Concen: 0.678 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917DL

Tgt Ion:164 Resp: 1371

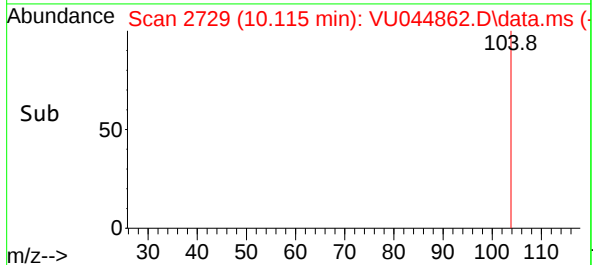
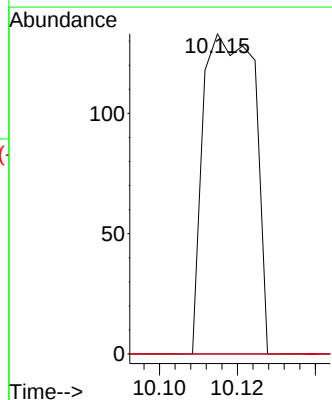
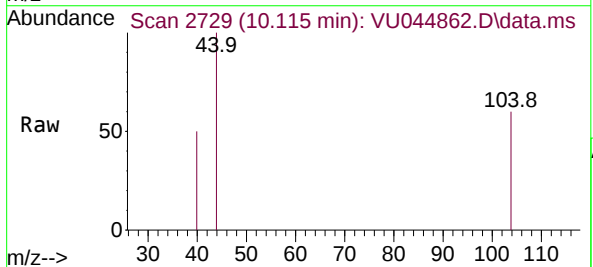
Ion	Ratio	Lower	Upper
164	100		
166	101.7	102.8	154.2#
129	83.4	79.4	119.2
131	85.0	77.4	116.2

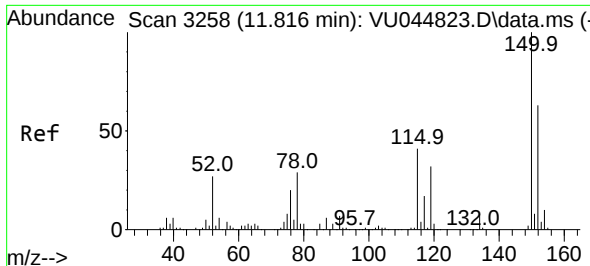


#70
Styrene
Concen: 1.027 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Tgt Ion:104 Resp: 121

Ion	Ratio	Lower	Upper
104	100		
78	0.0	41.4	62.0#
103	0.0	43.5	65.3#

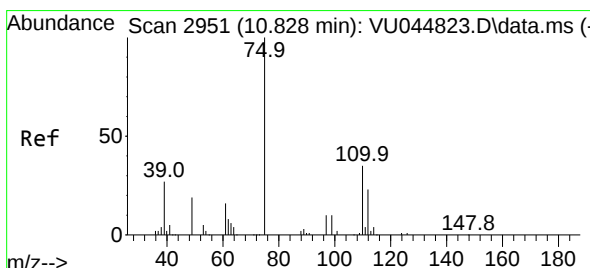
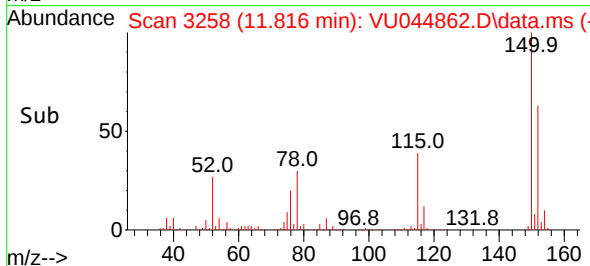
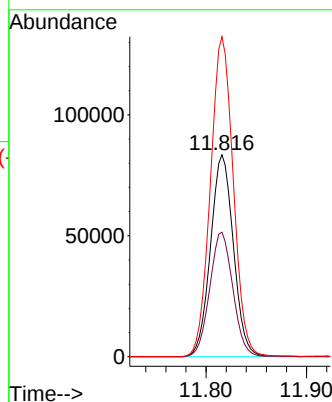
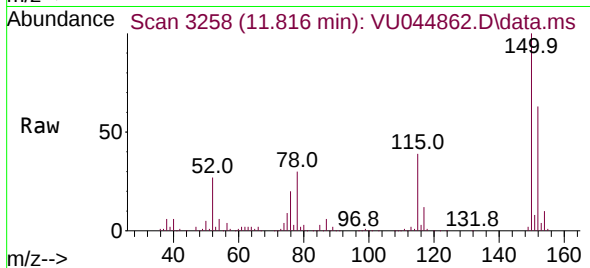




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

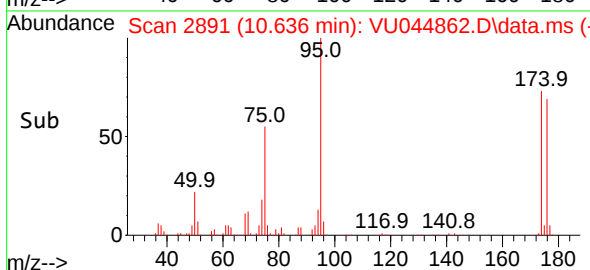
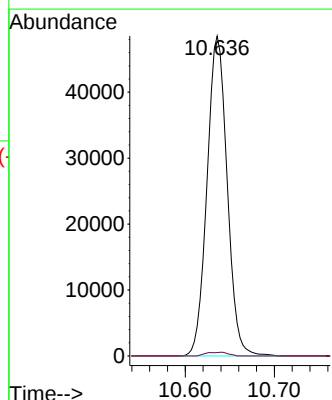
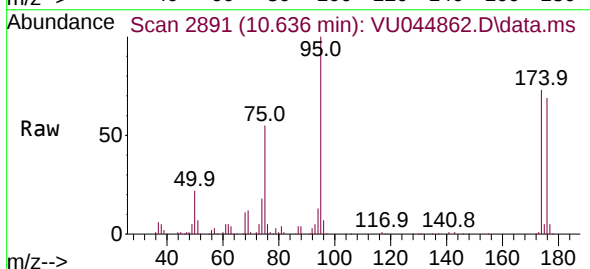
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917DL

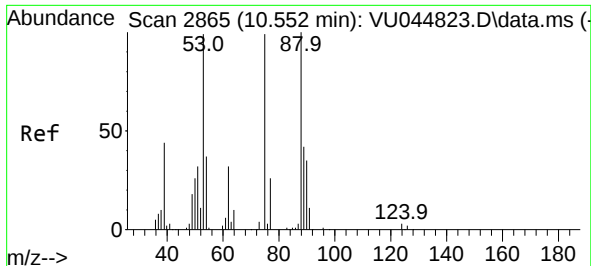
Tgt Ion:152 Resp: 132264
Ion Ratio Lower Upper
152 100
115 62.3 43.5 130.7
150 158.3 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 19.039 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Tgt Ion: 75 Resp: 76254
Ion Ratio Lower Upper
75 100
77 1.3 17.9 53.7#

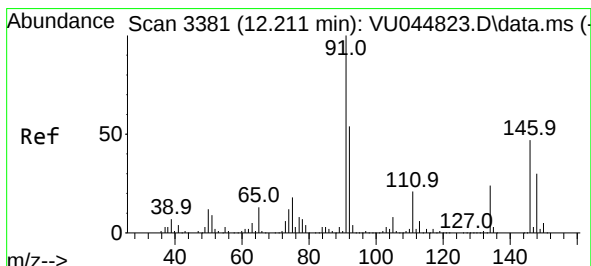
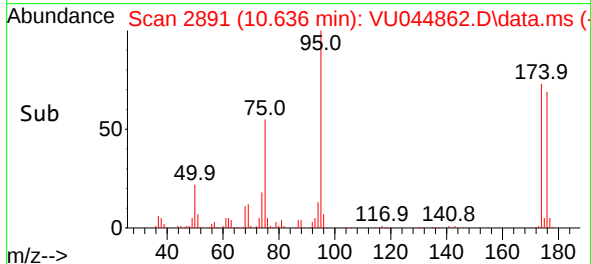
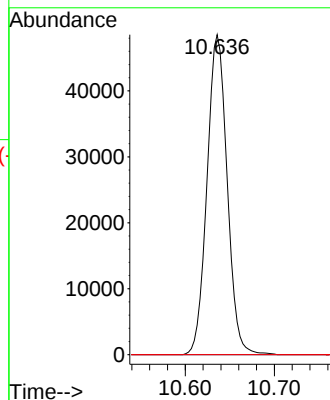
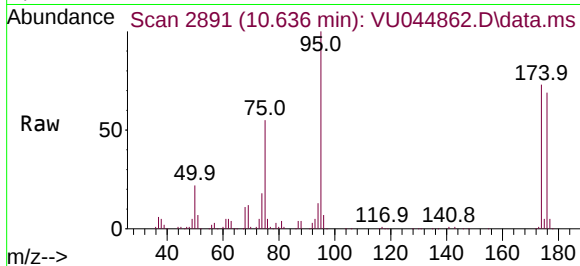




#81
trans-1,4-Dichloro-2-butene
Concen: 61.676 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

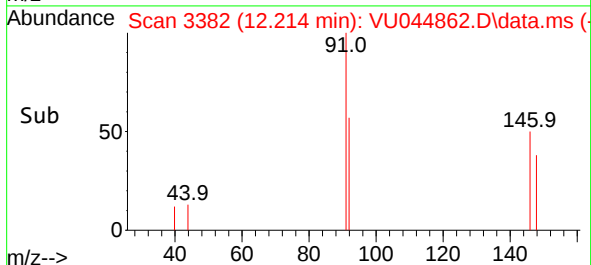
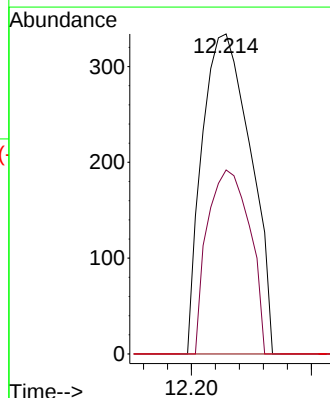
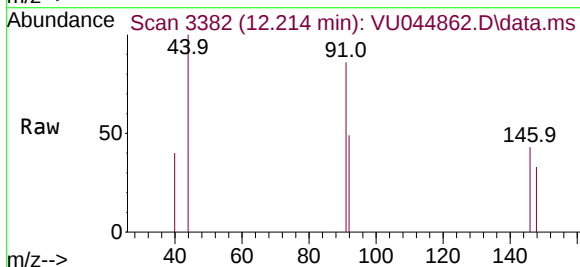
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917DL

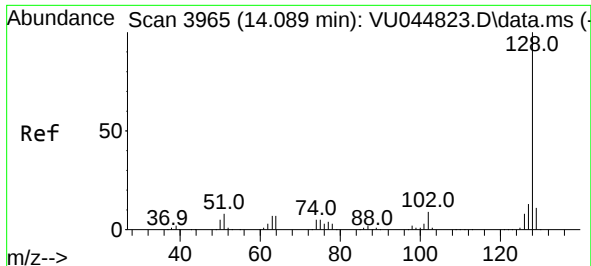
Tgt Ion: 75 Resp: 76254
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#89
n-Butylbenzene
Concen: 1.330 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

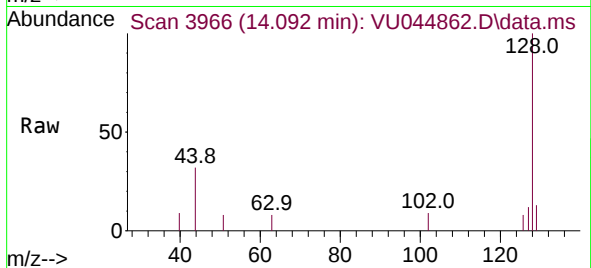
Tgt Ion: 91 Resp: 468
Ion Ratio Lower Upper
91 100
92 50.2 26.8 80.4
134 0.0 11.8 35.4#



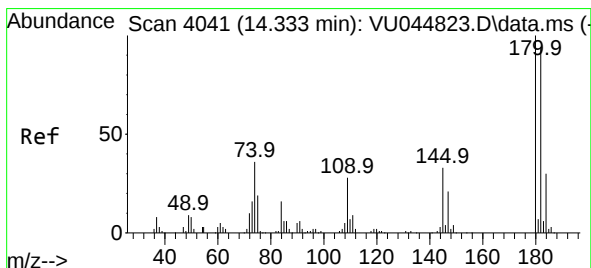
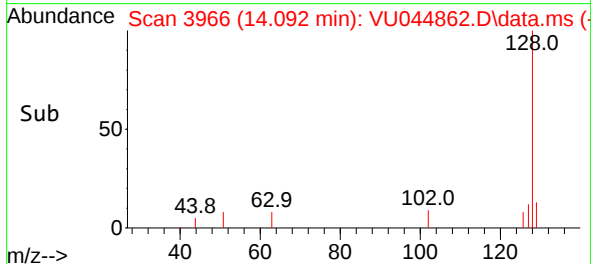
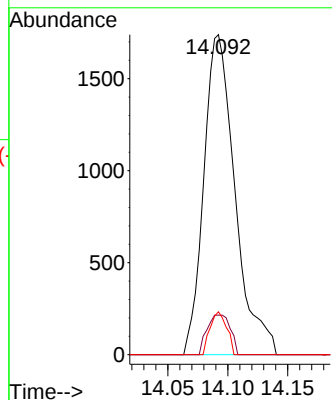


#95
Naphthalene
Concen: 1.248 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917DL



Tgt Ion:128 Resp: 3151
Ion Ratio Lower Upper
128 100
127 9.2 10.4 15.6#
129 7.1 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.226 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU044862.D
Acq: 26 Sep 2021 01:56

Tgt Ion:180 Resp: 586
Ion Ratio Lower Upper
180 100
182 82.9 47.1 141.4
145 22.5 16.4 49.2

