

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044902.D
 Acq On : 27 Sep 2021 20:26
 Operator : SY/MD
 Sample : M3859-04DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 1030-MW-11DL

Quant Time: Sep 28 06:28:51 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)

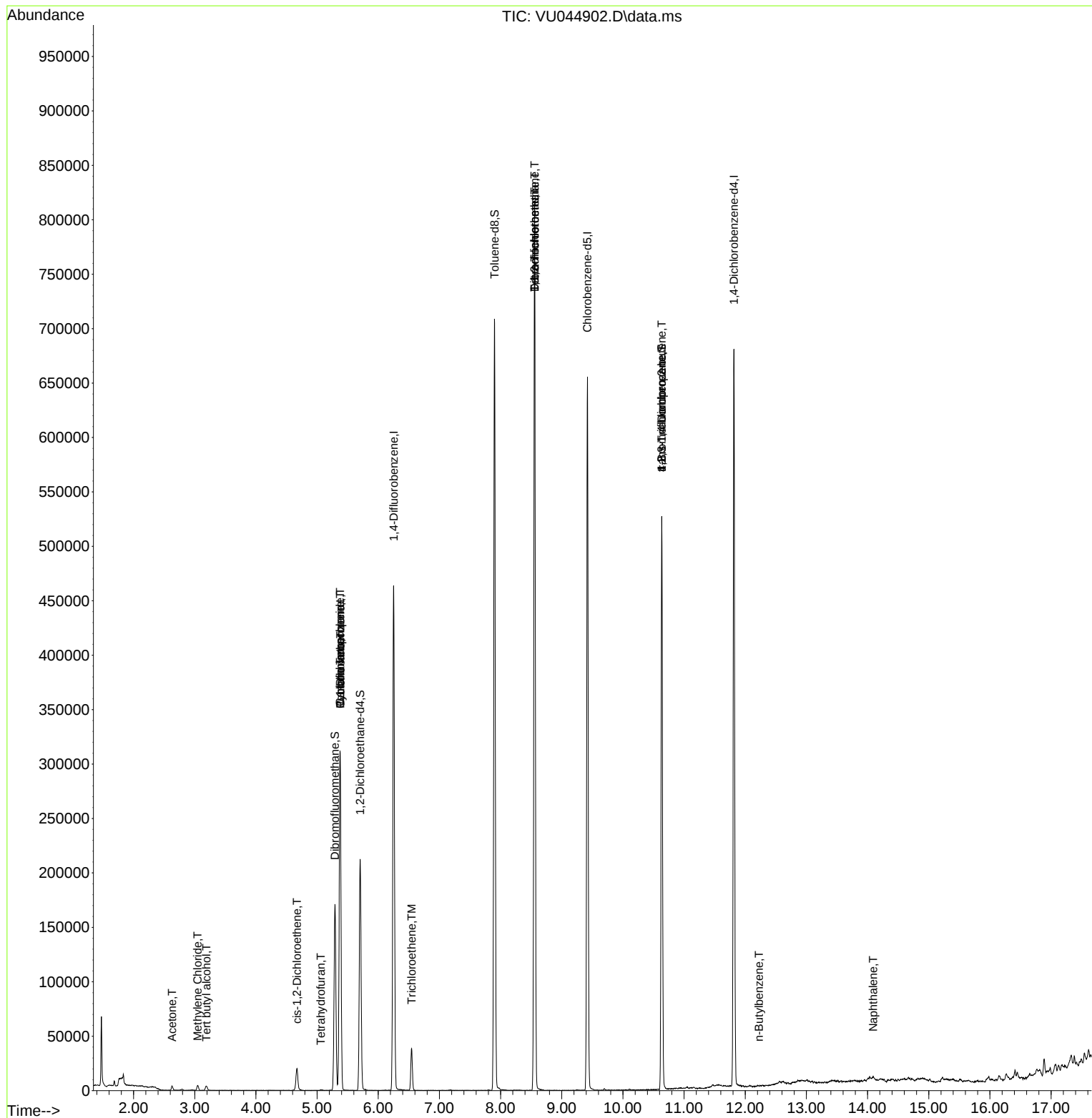
Internal Standards						
1) Pentafluorobenzene	5.378	168	203141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	360501	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	335220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	161789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	158571	44.726	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.460%	
35) Dibromofluoromethane	5.292	113	108381	43.824	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.640%	
50) Toluene-d8	7.902	98	450959	48.281	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.560%	
62) 4-Bromofluorobenzene	10.635	95	172442	49.707	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.420%	
Target Compounds						Qvalue
5) Bromomethane	1.835	94	650	Below Cal		96
6) Chloroethane	1.906	64	125	Below Cal	#	42
11) Tert butyl alcohol	3.189	59	2899	2.802	ug/l #	72
16) Acetone	2.629	43	4433	2.217	ug/l	94
20) Methylene Chloride	3.047	84	2088	0.645	ug/l	96
27) cis-1,2-Dichloroethene	4.671	96	9880	3.102	ug/l	90
29) Tetrahydrofuran	5.063	42	463	0.243	ug/l #	36
31) Cyclohexane	5.378	56	5123	1.006	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19172	5.012	ug/l #	49
38) Carbon Tetrachloride	5.375	117	21818	6.380	ug/l #	15
44) Trichloroethene	6.546	130	12104	4.319	ug/l	98
55) 1,1,2-Trichloroethane	8.555	97	1745	0.585	ug/l #	7
60) Dibromochloromethane	8.555	129	161141	56.451	ug/l #	10
64) Tetrachloroethene	8.555	164	164833	72.544	ug/l	98
76) 1,2,3-Trichloropropane	10.635	75	93424	19.069	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	93424	61.773	ug/l #	9
89) n-Butylbenzene	12.224	91	109	1.286	ug/l #	33
95) Naphthalene	14.092	128	2440	1.136	ug/l #	74

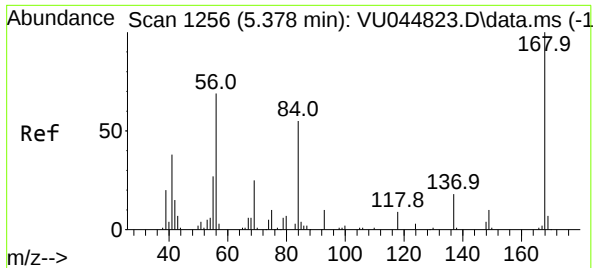
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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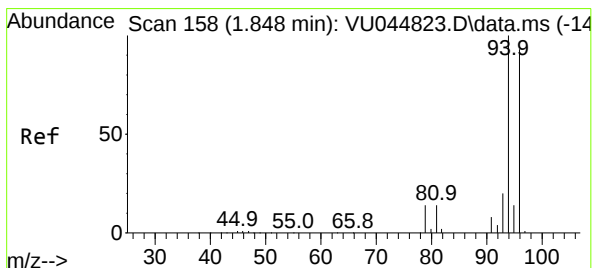
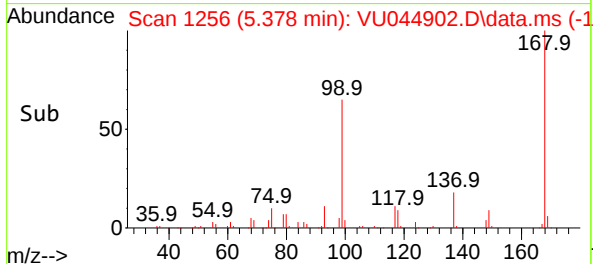
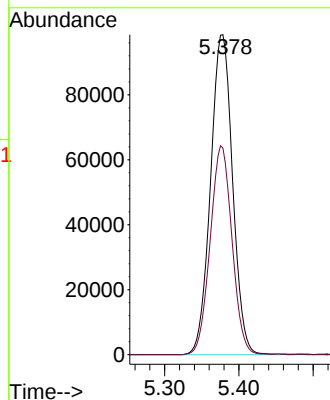
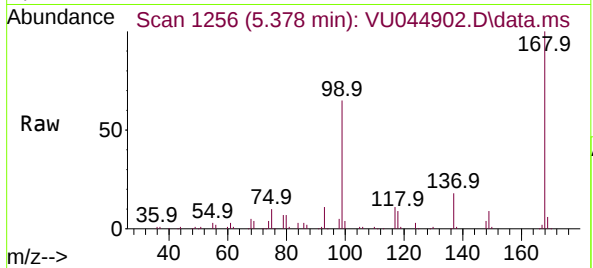




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

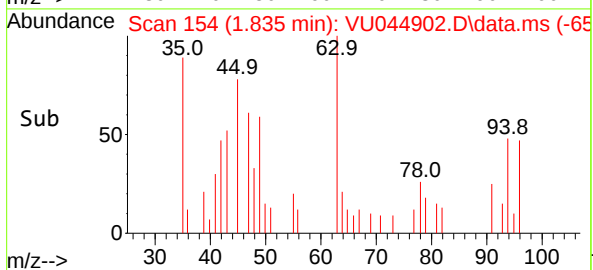
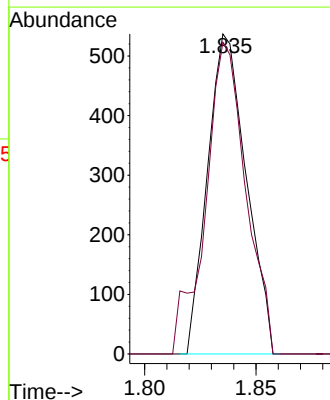
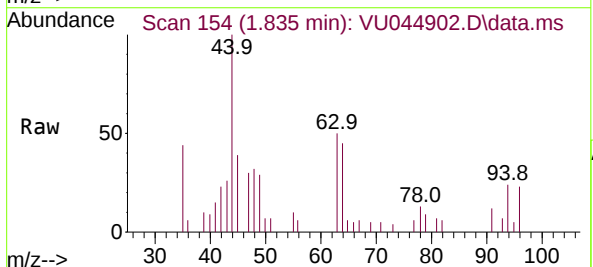
Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11DL

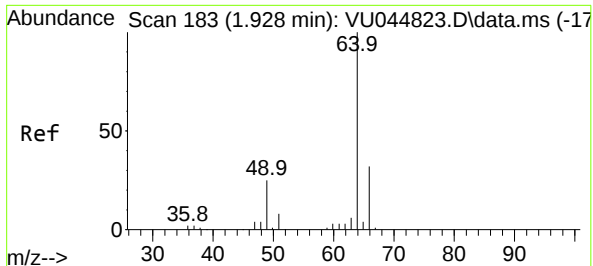
Tgt Ion:168 Resp: 203141
Ion Ratio Lower Upper
168 100
99 64.6 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 154
Delta R.T. -0.013 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

Tgt Ion: 94 Resp: 650
Ion Ratio Lower Upper
94 100
96 97.4 74.5 111.7

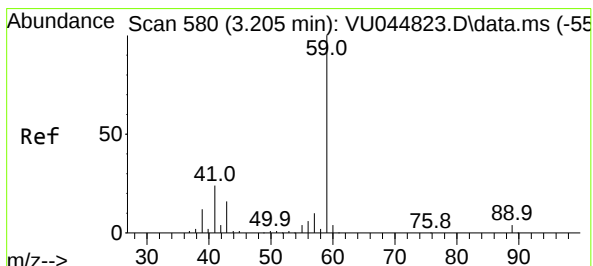
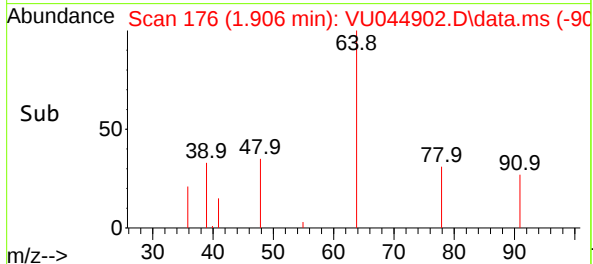
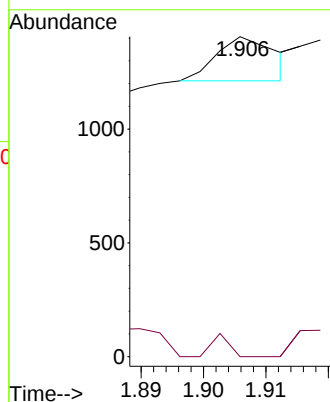
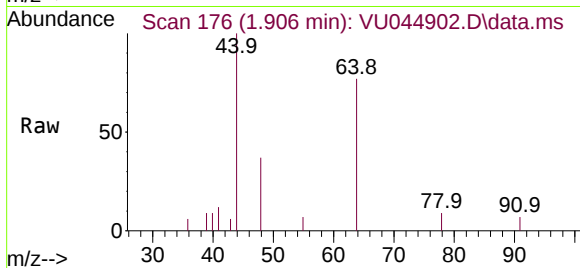




#6
Chloroethane
Concen: Below Cal
RT: 1.906 min Scan# 176
Delta R.T. -0.022 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

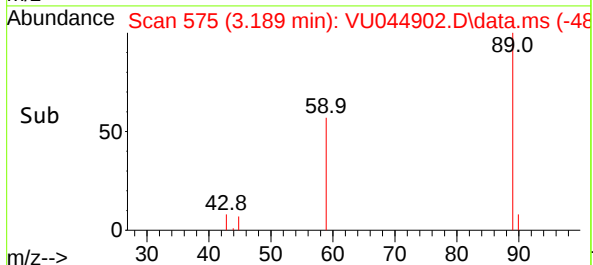
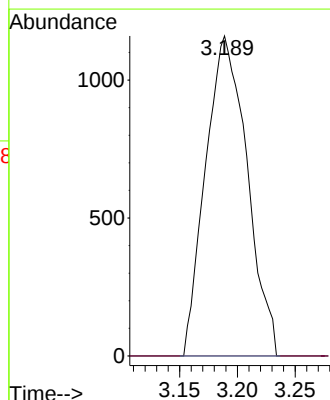
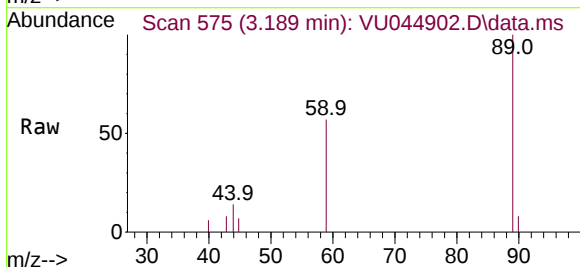
Instrument :
MSVOA_U
ClientSampled :
1030-MW-11DL

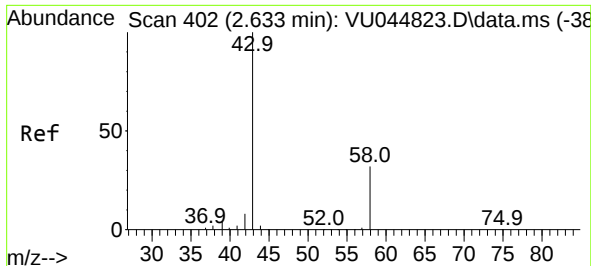
Tgt Ion: 64 Resp: 125
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



#11
Tert butyl alcohol
Concen: 2.802 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.016 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

Tgt Ion: 59 Resp: 2899
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

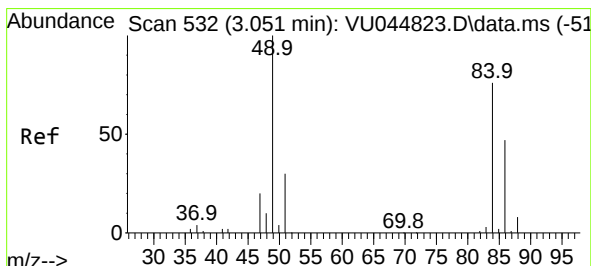
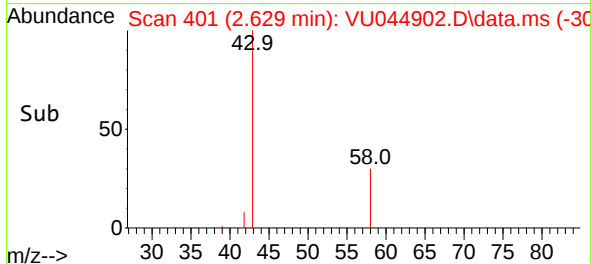
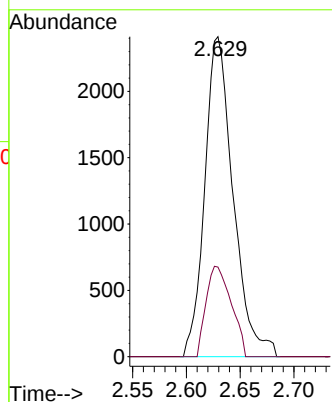
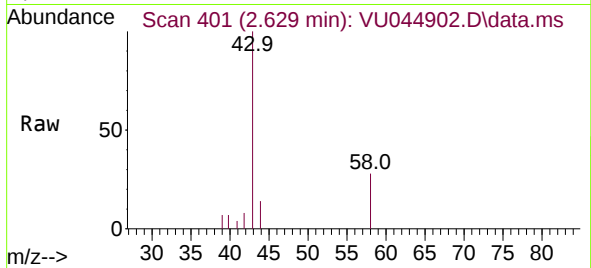




#16
Acetone
Concen: 2.217 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

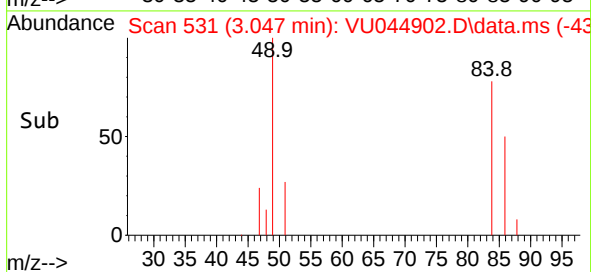
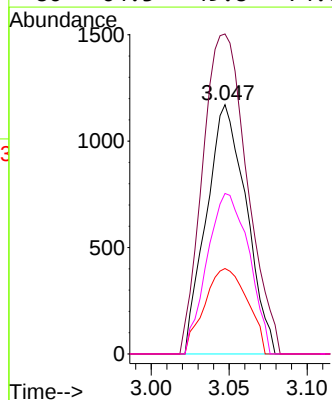
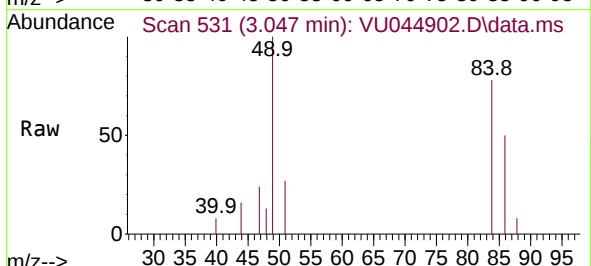
Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11DL

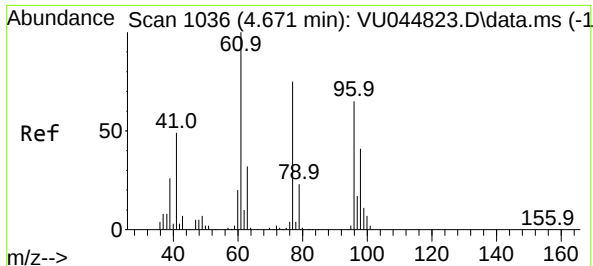
Tgt Ion: 43 Resp: 4433
Ion Ratio Lower Upper
43 100
58 28.0 25.2 37.8



#20
Methylene Chloride
Concen: 0.645 ug/l
RT: 3.047 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

Tgt Ion: 84 Resp: 2088
Ion Ratio Lower Upper
84 100
49 128.3 104.9 157.3
51 34.3 31.8 47.8
86 64.3 49.8 74.6





#27

cis-1,2-Dichloroethene

Concen: 3.102 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

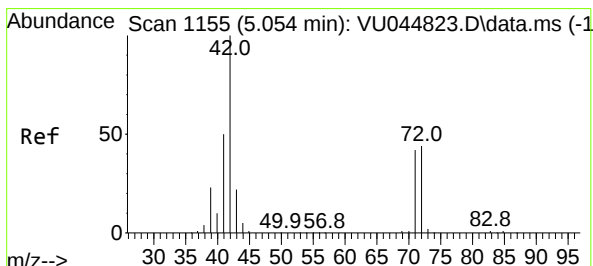
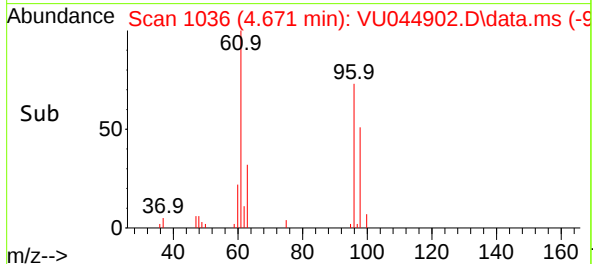
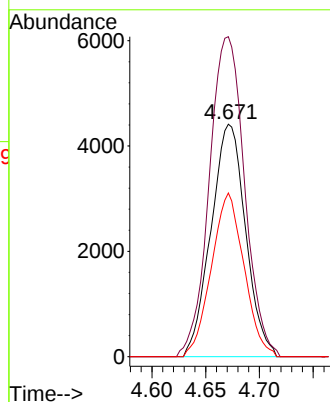
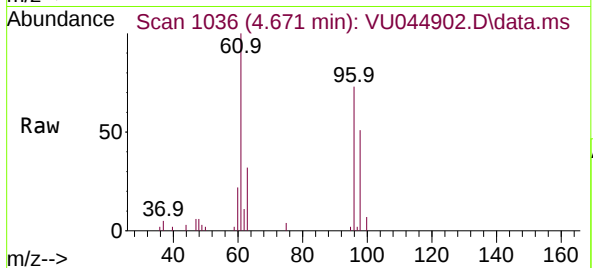
Lab File: VU044902.D

Acq: 27 Sep 2021 20:26

Tgt Ion: 96 Resp: 9880

Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	313.4
98	66.3	0.0	127.0

Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11DL



#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 5.063 min Scan# 1158

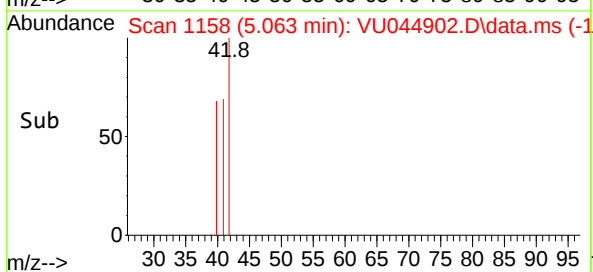
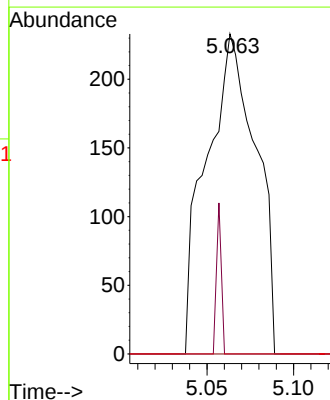
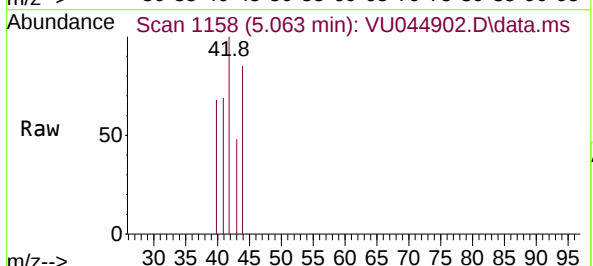
Delta R.T. 0.010 min

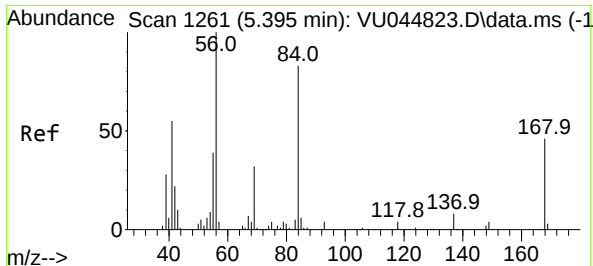
Lab File: VU044902.D

Acq: 27 Sep 2021 20:26

Tgt Ion: 42 Resp: 463

Ion	Ratio	Lower	Upper
42	100		
72	4.5	36.2	54.4#
71	0.0	34.1	51.1#





#31

Cyclohexane

Concen: 1.006 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.016 min

Lab File: VU044902.D

Acq: 27 Sep 2021 20:26

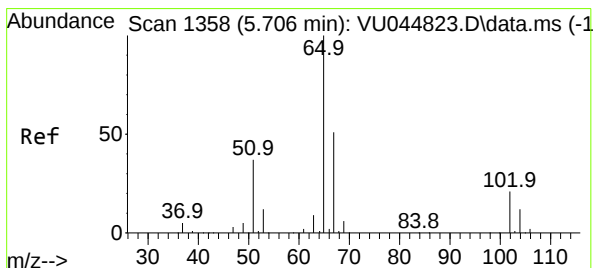
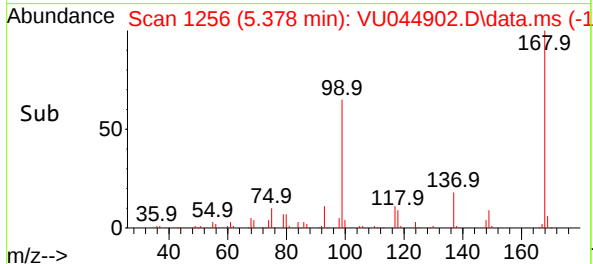
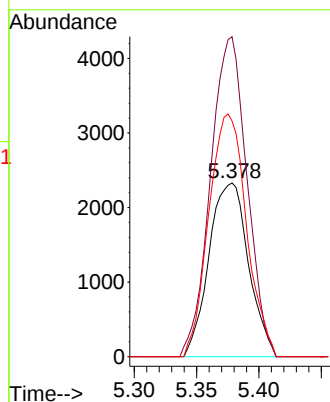
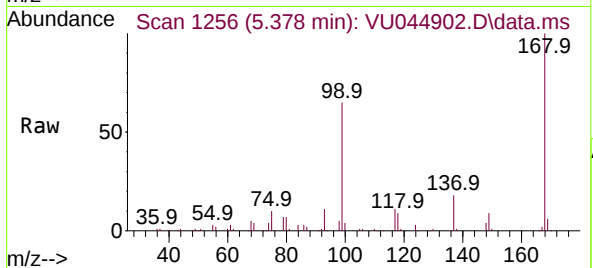
Tgt Ion: 56 Resp: 5123

Ion Ratio Lower Upper

56 100

69 184.1 25.2 37.8#

84 135.6 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 44.726 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. -0.003 min

Lab File: VU044902.D

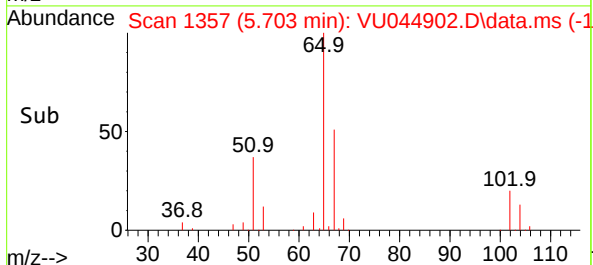
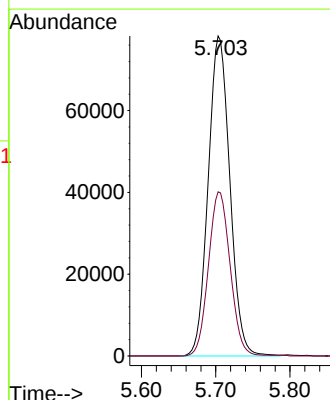
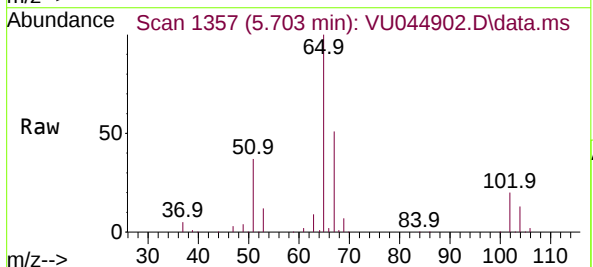
Acq: 27 Sep 2021 20:26

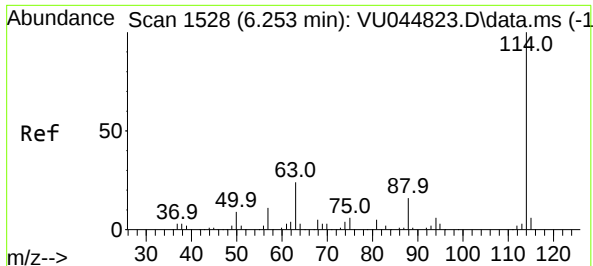
Tgt Ion: 65 Resp: 158571

Ion Ratio Lower Upper

65 100

67 51.4 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: VU044902.D

Acq: 27 Sep 2021 20:26

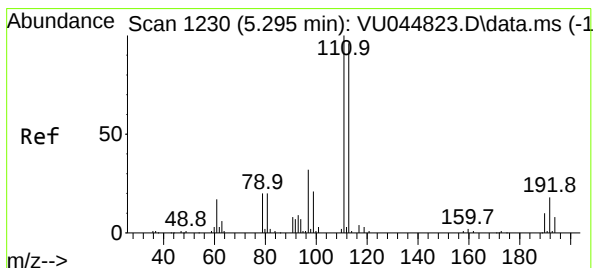
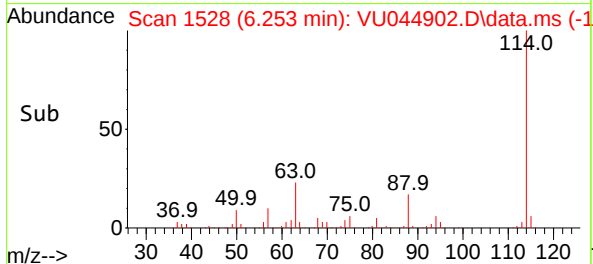
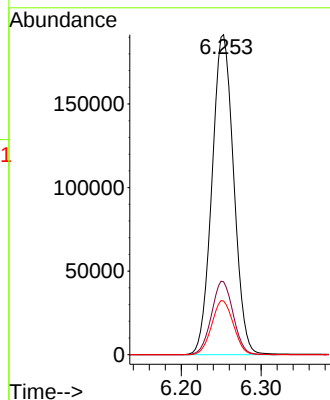
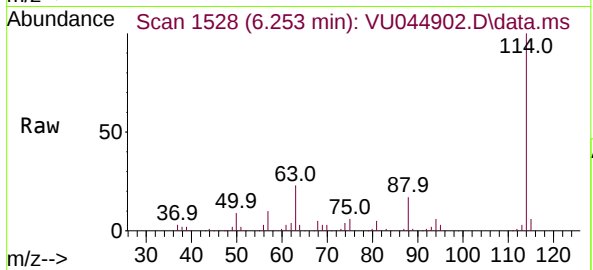
Tgt Ion:114 Resp: 360501

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.8

88 16.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 43.824 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.003 min

Lab File: VU044902.D

Acq: 27 Sep 2021 20:26

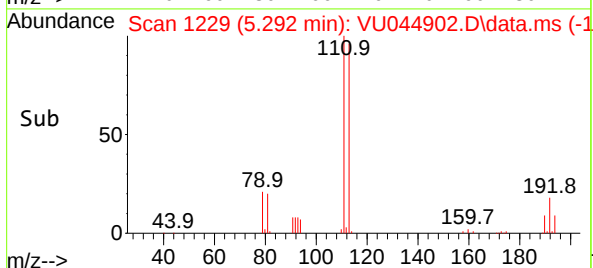
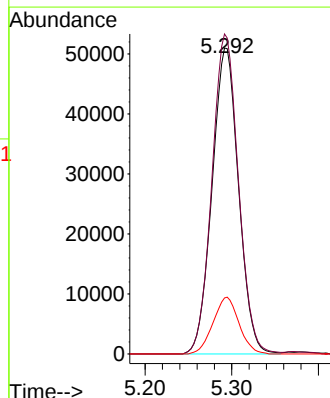
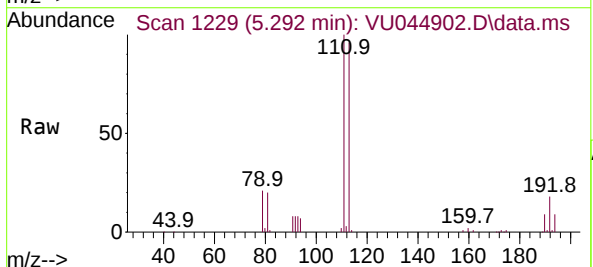
Tgt Ion:113 Resp: 108381

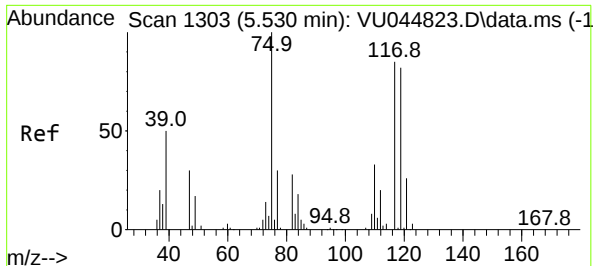
Ion Ratio Lower Upper

113 100

111 104.5 84.1 126.1

192 18.2 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.012 ug/l

RT: 5.375 min Scan# 1255

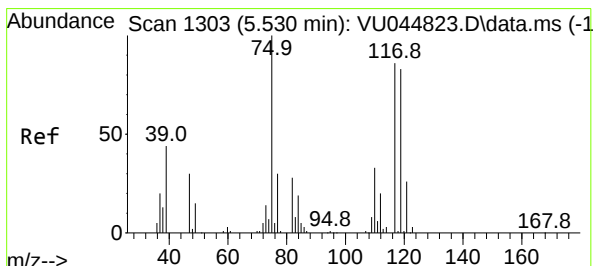
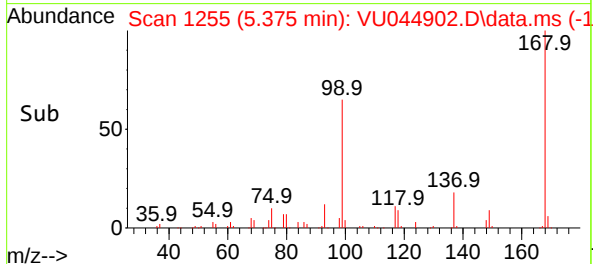
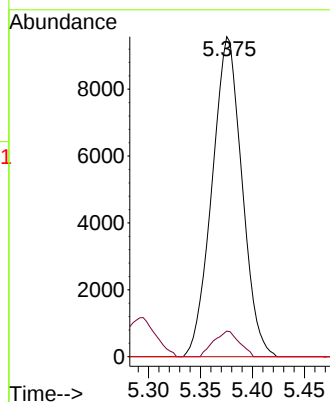
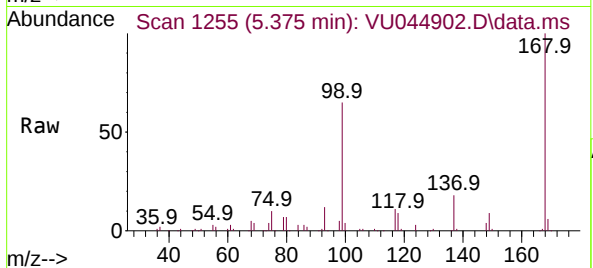
Delta R.T. -0.154 min

Lab File: VU044902.D

Acq: 27 Sep 2021 20:26

Instrument :
MSVOA_U
ClientSampled :
1030-MW-11DL

Tgt Ion:	75	Resp:	19172
Ion Ratio	Lower	Upper	
75	100		
110	6.8	16.3	48.9#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 6.380 ug/l

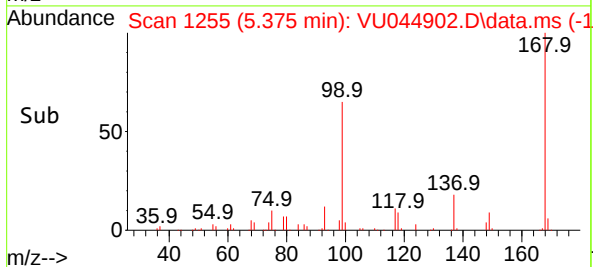
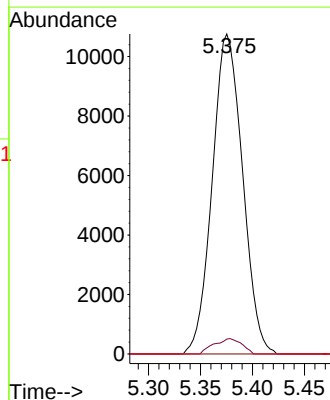
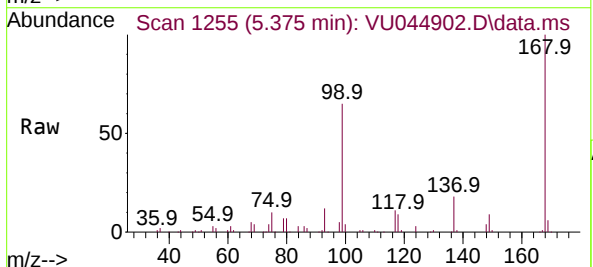
RT: 5.375 min Scan# 1255

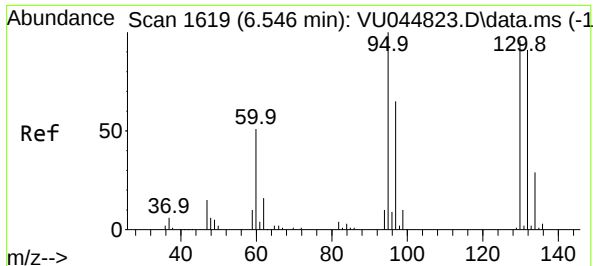
Delta R.T. -0.154 min

Lab File: VU044902.D

Acq: 27 Sep 2021 20:26

Tgt Ion:	117	Resp:	21818
Ion Ratio	Lower	Upper	
117	100		
119	4.6	77.4	116.2#
121	0.0	24.5	36.7#

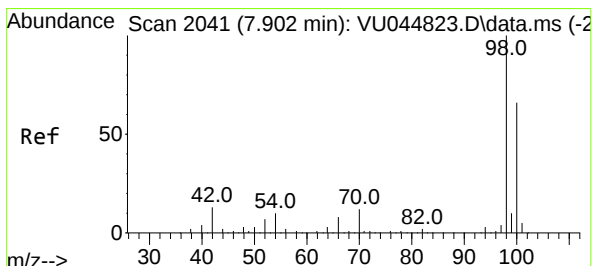
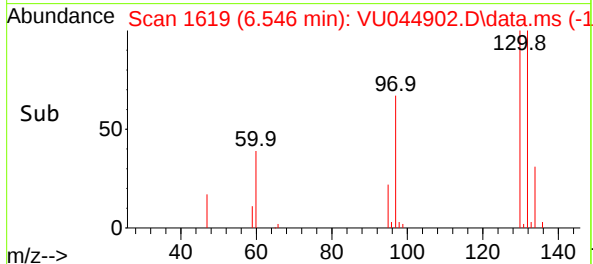
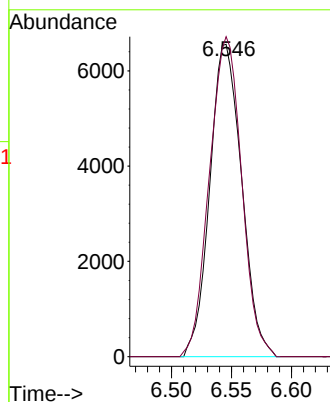
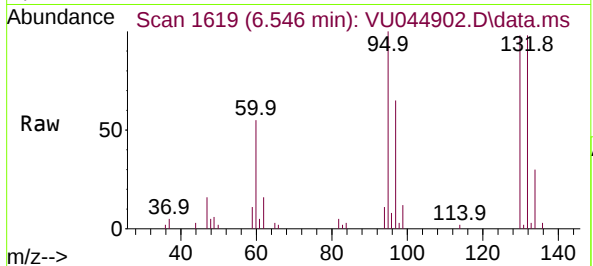




#44
Trichloroethene
Concen: 4.319 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

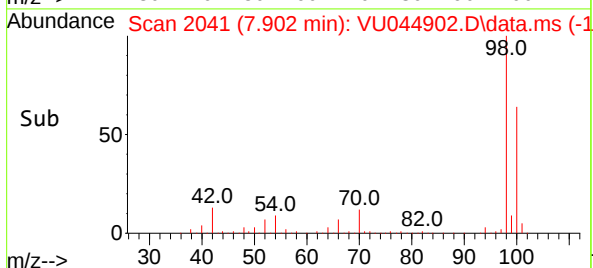
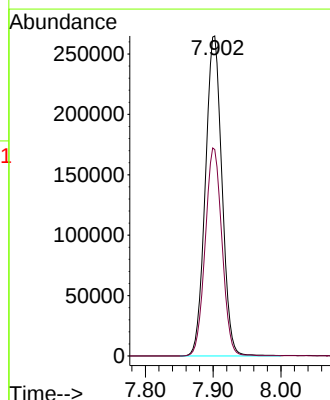
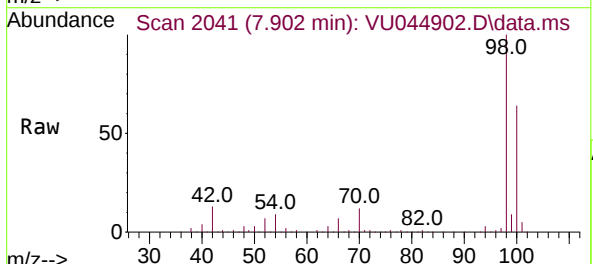
Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11DL

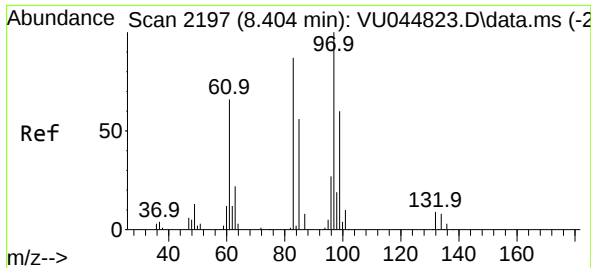
Tgt Ion:130 Resp: 12104
Ion Ratio Lower Upper
130 100
95 102.4 0.0 209.0



#50
Toluene-d8
Concen: 48.281 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

Tgt Ion: 98 Resp: 450959
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7

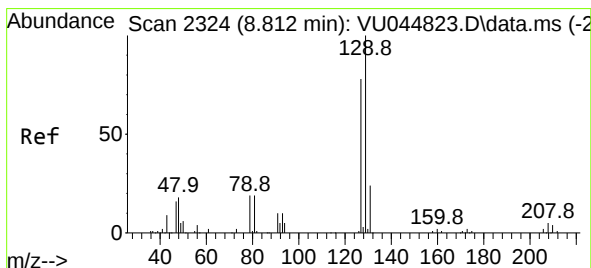
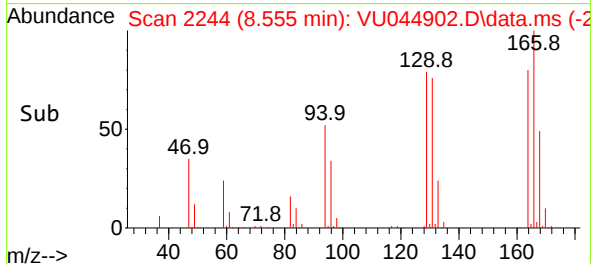
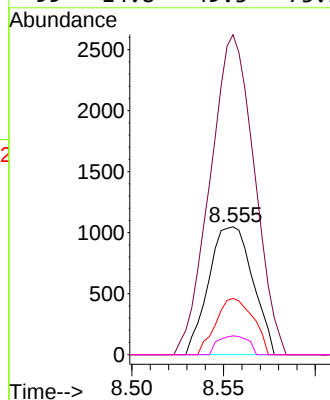
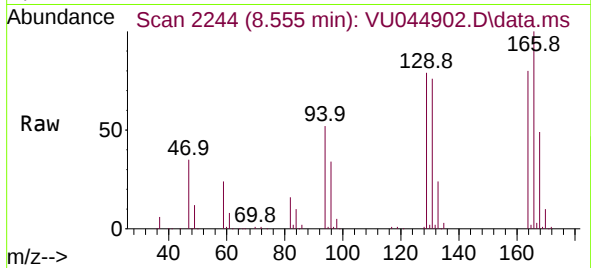




#55
1,1,2-Trichloroethane
Concen: 0.585 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.151 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

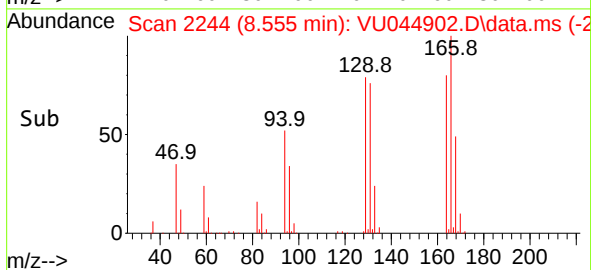
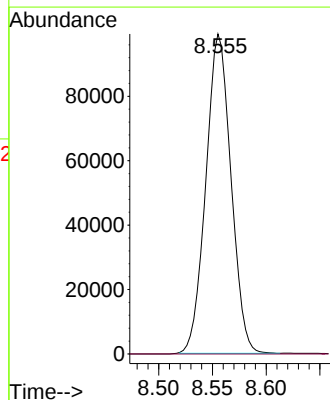
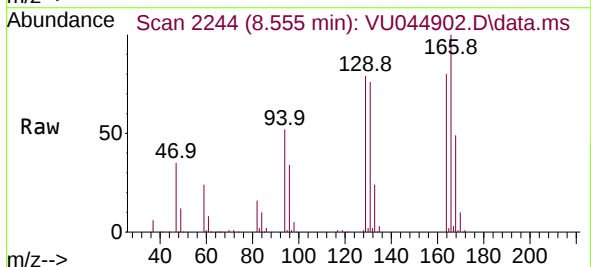
Instrument :
MSVOA_U
ClientSampled :
1030-MW-11DL

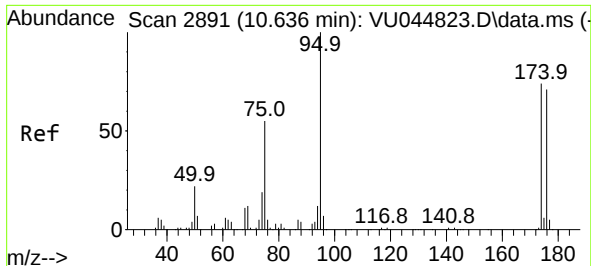
Tgt Ion: 97	Resp: 1745
Ion Ratio	Lower Upper
97 100	
83 240.5	69.7 104.5#
85 44.0	44.8 67.2#
99 14.8	49.3 73.9#



#60
Dibromochloromethane
Concen: 56.451 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

Tgt Ion: 129	Resp: 161141
Ion Ratio	Lower Upper
129 100	
127 0.0	39.0 117.0#

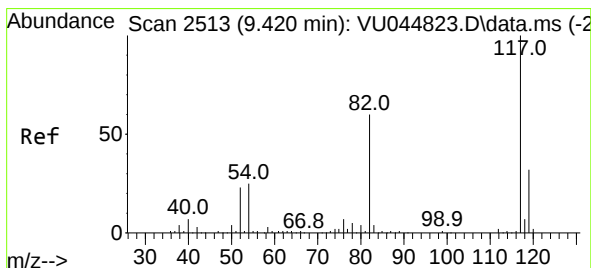
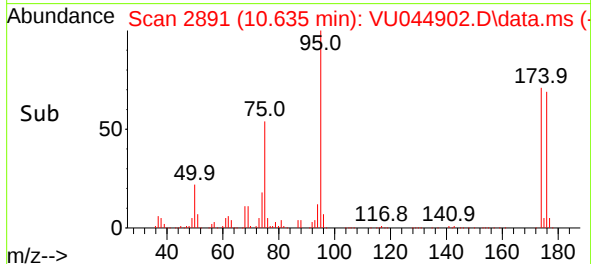
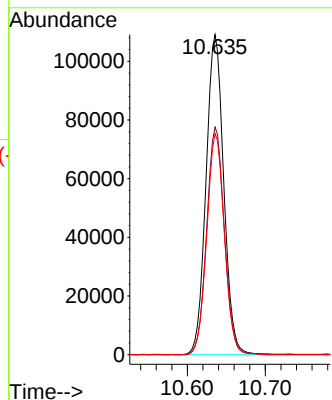
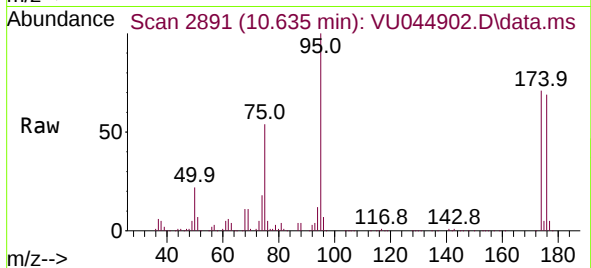




#62
4-Bromofluorobenzene
Concen: 49.707 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

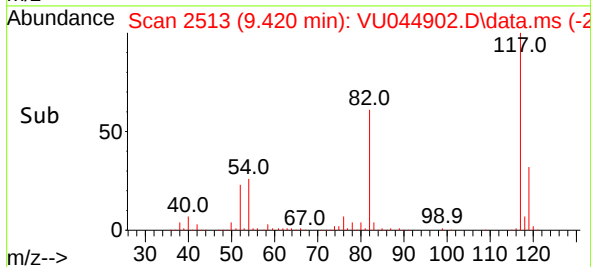
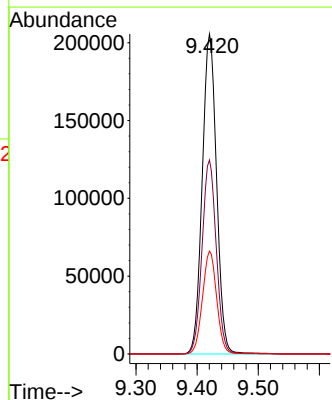
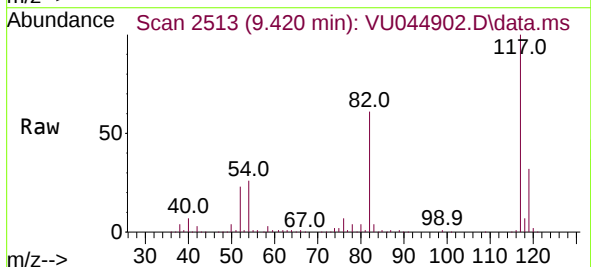
Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11DL

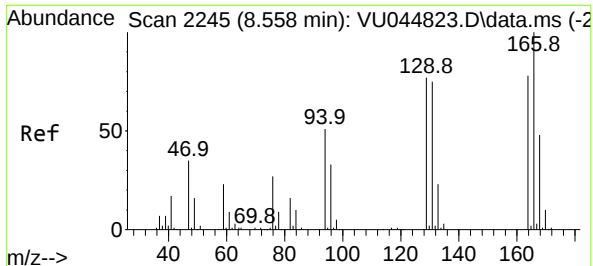
Tgt Ion: 95 Resp: 172442
Ion Ratio Lower Upper
95 100
174 71.2 0.0 146.6
176 68.5 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

Tgt Ion: 117 Resp: 335220
Ion Ratio Lower Upper
117 100
82 60.6 47.8 71.8
119 32.1 25.8 38.6

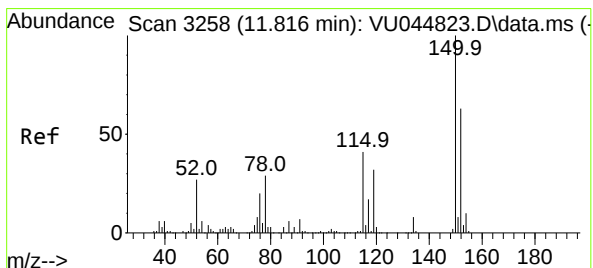
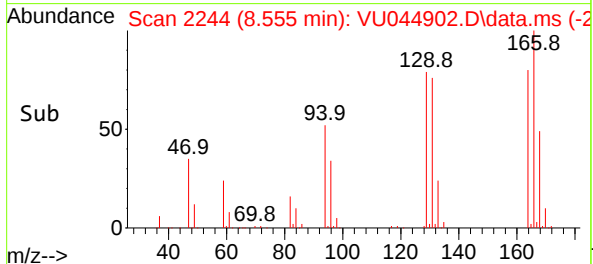
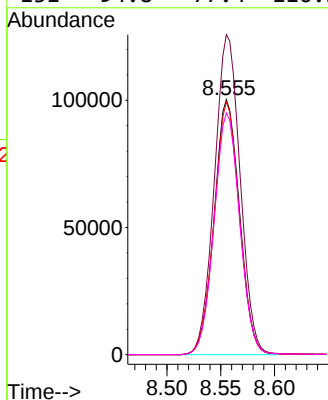
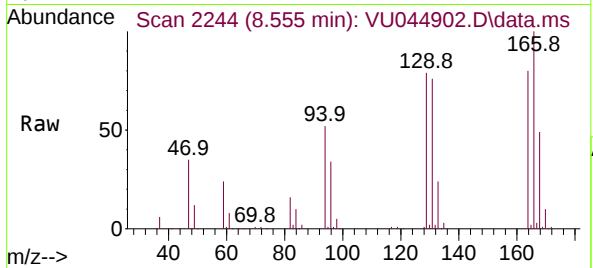




#64
Tetrachloroethene
Concen: 72.544 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

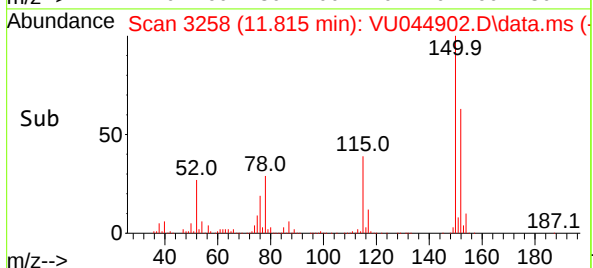
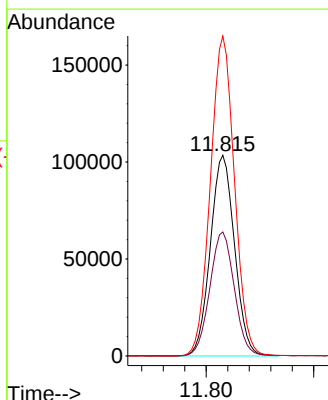
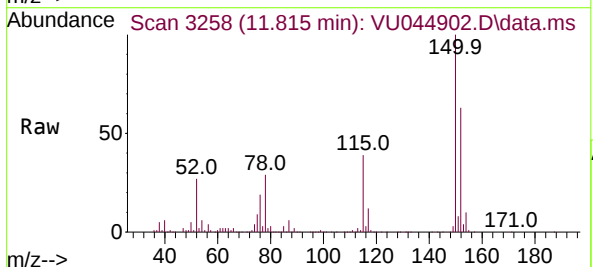
Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11DL

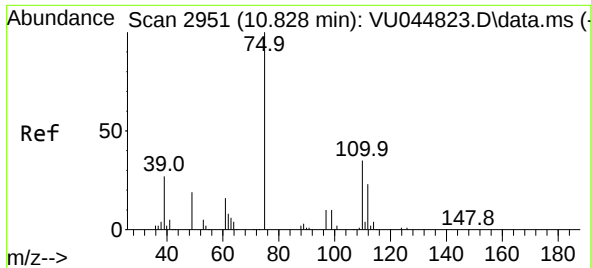
Tgt Ion:164 Resp: 164833
Ion Ratio Lower Upper
164 100
166 125.4 102.8 154.2
129 99.1 79.4 119.2
131 94.8 77.4 116.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

Tgt Ion:152 Resp: 161789
Ion Ratio Lower Upper
152 100
115 62.4 43.5 130.7
150 158.7 0.0 350.0

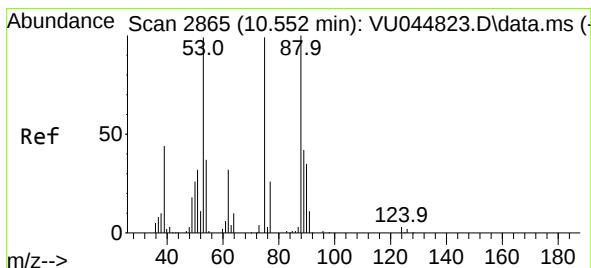
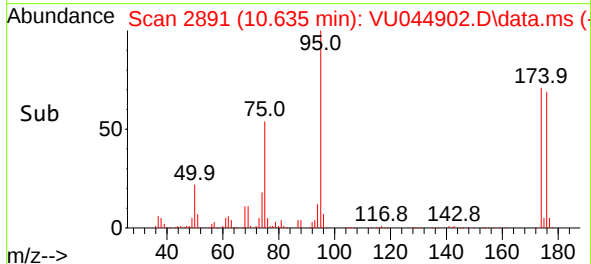
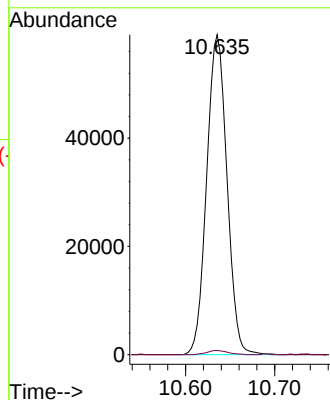
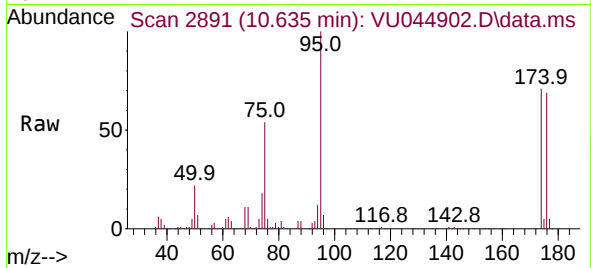




#76
1,2,3-Trichloropropane
Concen: 19.069 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

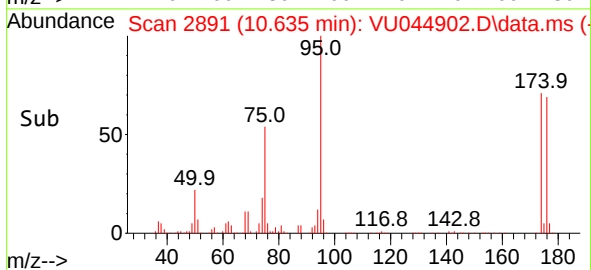
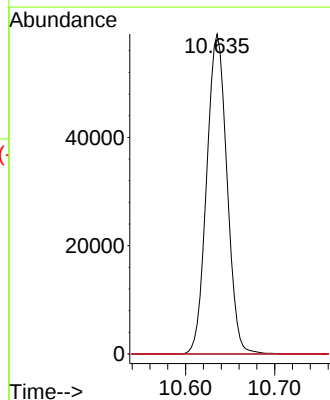
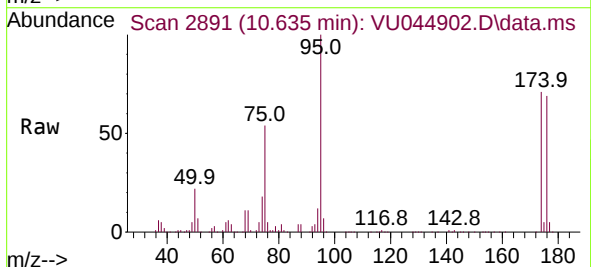
Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11DL

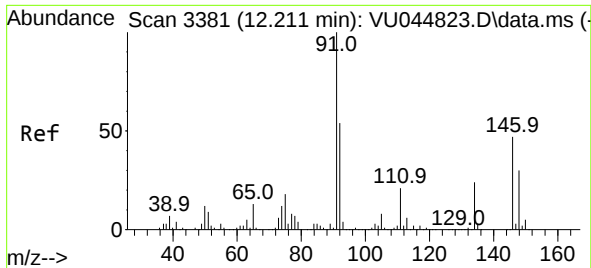
Tgt Ion: 75 Resp: 93424
Ion Ratio Lower Upper
75 100
77 1.4 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.773 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

Tgt Ion: 75 Resp: 93424
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

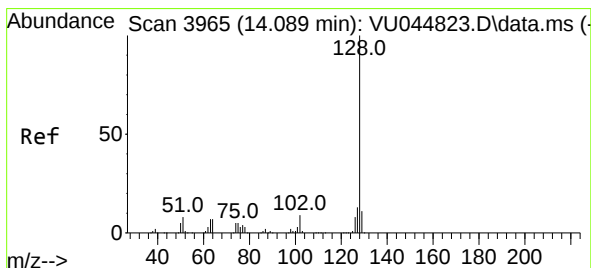
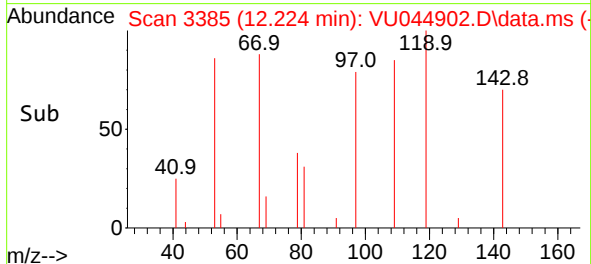
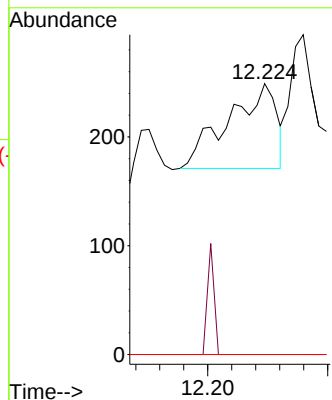
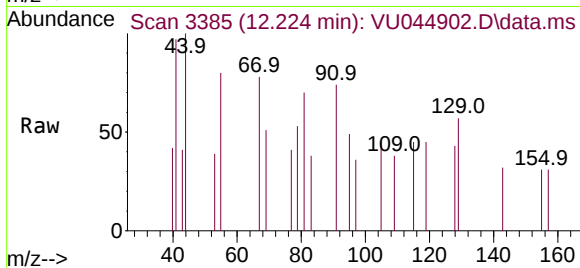




#89
n-Butylbenzene
Concen: 1.286 ug/l
RT: 12.224 min Scan# 3385
Delta R.T. 0.013 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

Instrument :
MSVOA_U
ClientSampleId :
1030-MW-11DL

Tgt Ion: 91 Resp: 109
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.4#
134 0.0 11.8 35.4#



#95
Naphthalene
Concen: 1.136 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044902.D
Acq: 27 Sep 2021 20:26

Tgt Ion: 128 Resp: 2440
Ion Ratio Lower Upper
128 100
127 25.9 10.4 15.6#
129 17.3 8.6 13.0#

