

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063021\
 Data File : VU044263.D
 Acq On : 30 Jun 2021 15:44
 Operator : SY/MD
 Sample : M2905-03DL 2X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 01 02:38:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 01 02:36:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	146776	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	138504	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	79062	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	32829	4.131	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.600%
7) Chloroethane-d5	1.919	69	34503	4.409	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.575	65	17803	4.365	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.642	46	110613	37.799	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.600%
24) Chloroform-d	5.073	84	81023	4.529	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.713	65	47888	4.478	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	5.735	84	165538	4.812	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.700	67	53402	4.790	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.800%
41) Toluene-d8	7.906	98	156046	4.889	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
43) trans-1,3-Dichloroprop...	8.185	79	22160	4.286	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.645	63	108200	43.932	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.860%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	42696	4.308	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.200%
66) 1,2-Dichlorobenzene-d4	12.198	152	66073	5.072	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.400%
Target Compounds						
					Qvalue	
8) Chloroethane	1.941	64	39461	5.591	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	88173	10.141	ug/L	96
12) 1,1-Dichloroethene	2.578	96	701	0.083	ug/L #	1
16) Methylene chloride	3.054	84	11784	1.032	ug/L	98
17) Methyl tert-butyl Ether	3.375	73	197015	7.839	ug/L	99
25) Chloroform	5.099	83	2977	0.162	ug/L	98
31) Carbon tetrachloride	5.536	117	24325	1.830	ug/L	100
33) Benzene	5.784	78	83039	2.285	ug/L	100
34) Trichloroethene	6.549	95	85336	8.672	ug/L	95
35) Methylcyclohexane	6.700	83	13441	0.827	ug/L #	17
37) 1,2-Dichloropropane	6.796	63	20847	2.173	ug/L	99
39) cis-1,3-Dichloropropene	7.574	75	1709	0.108	ug/L #	64
42) Toluene	7.976	91	182532	4.562	ug/L	100
47) Tetrachloroethene	8.562	164	46161	6.345	ug/L	94
48) 2-Hexanone	8.697	43	5414	0.996	ug/L #	71
49) Dibromochloromethane	8.558	129	43266	4.719	ug/L #	11
51) Chlorobenzene	9.452	112	75958	2.964	ug/L	99
52) Ethylbenzene	9.578	91	158046	3.422	ug/L	100
53) m,p-Xylene	9.700	106	62124	3.552	ug/L	99

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

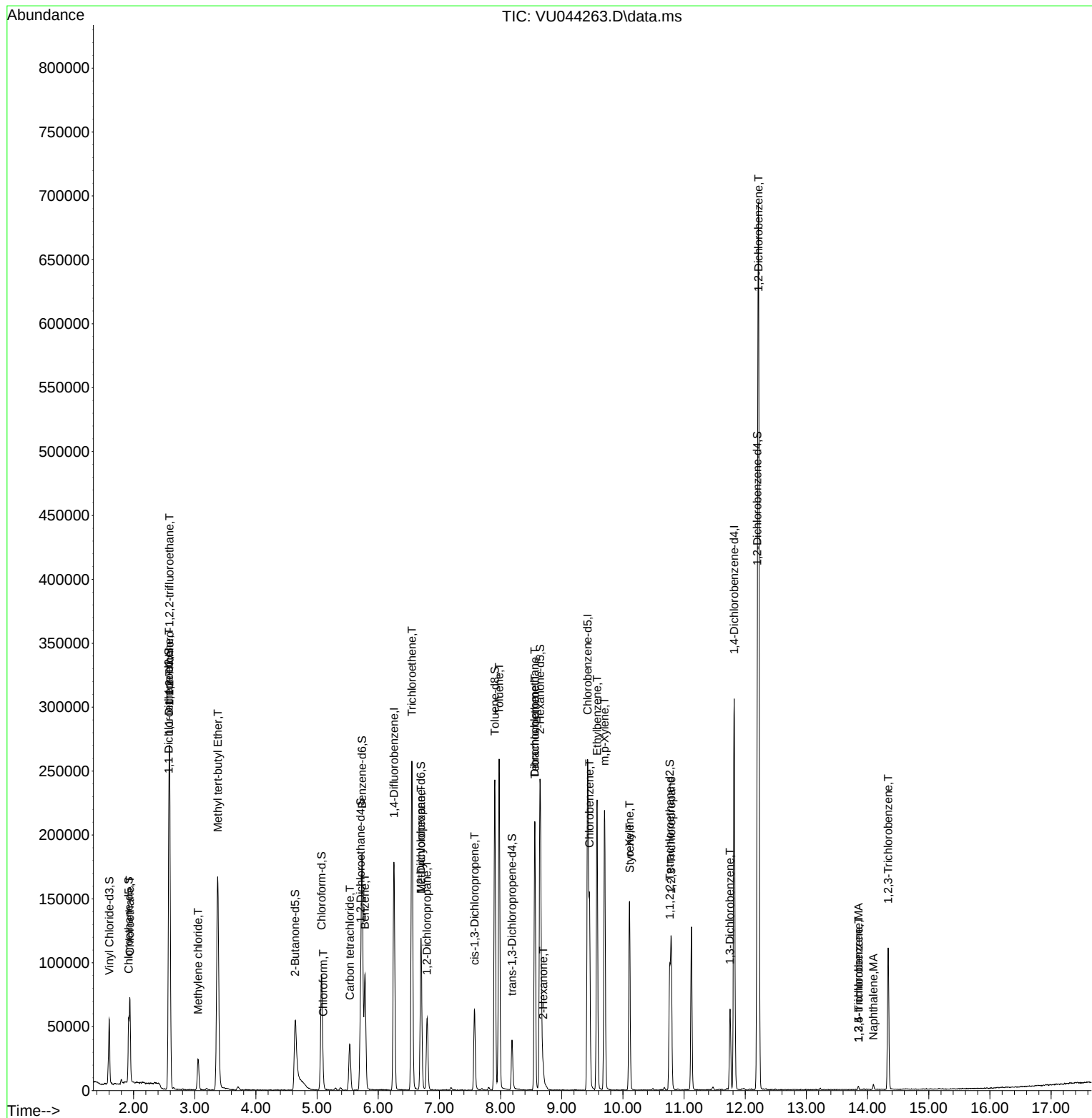
54) o-Xylene	10.108	106	38612	2.271	ug/L	98
55) Styrene	10.111	104	2265	0.076	ug/L #	1
61) 1,2,3-Trichloropropane	10.790	75	4395	0.616	ug/L #	1
64) 1,3-Dichlorobenzene	11.751	146	25093	1.156	ug/L	96
67) 1,2-Dichlorobenzene	12.217	146	80245	3.932	ug/L	99
69) 1,3,5-Trichlorobenzene	13.851	180	1081	0.065	ug/L #	19
70) 1,2,4-trichlorobenzene	13.851	180	1081	0.077	ug/L #	89
71) Naphthalene	14.095	128	3594	0.142	ug/L	97
72) 1,2,3-Trichlorobenzene	14.336	180	34032	2.813	ug/L	99

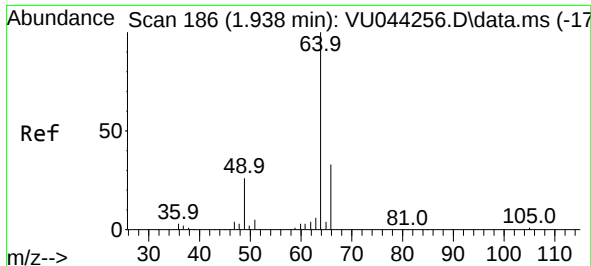
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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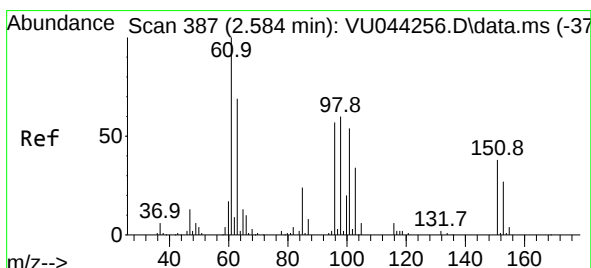
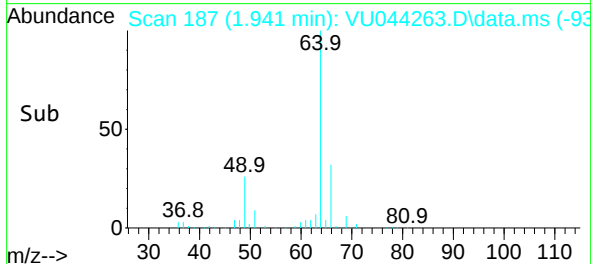
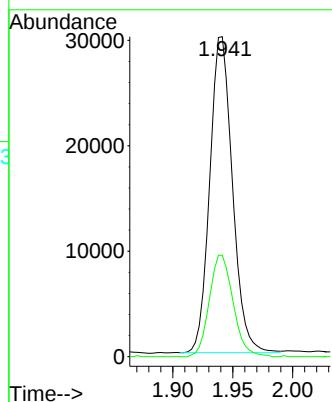
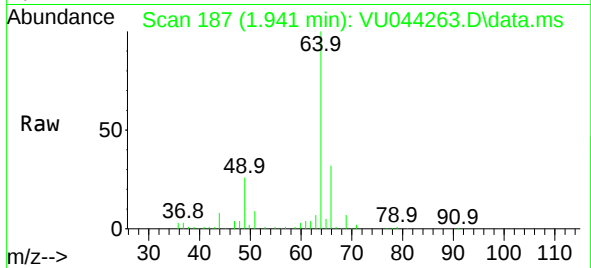




#8
Chloroethane
Concen: 5.591 ug/L
RT: 1.941 min Scan# 187
Delta R.T. 0.003 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

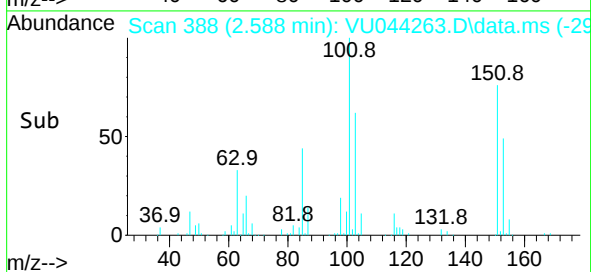
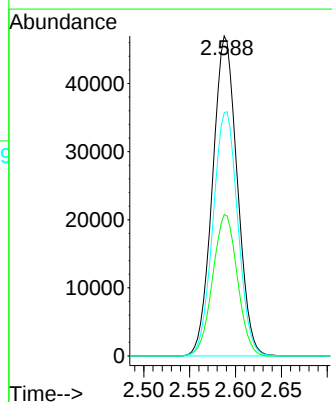
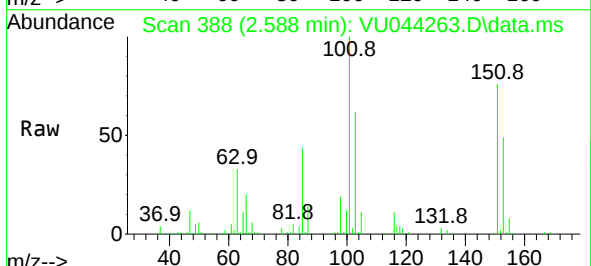
Instrument :
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ClientSampled :

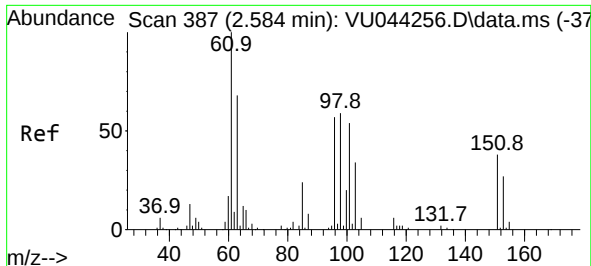
Tgt Ion: 64 Resp: 39461
Ion Ratio Lower Upper
64 100
66 31.7 22.7 42.3



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.141 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.003 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Tgt Ion:101 Resp: 88173
Ion Ratio Lower Upper
101 100
85 44.3 37.0 55.4
151 76.6 58.1 87.1

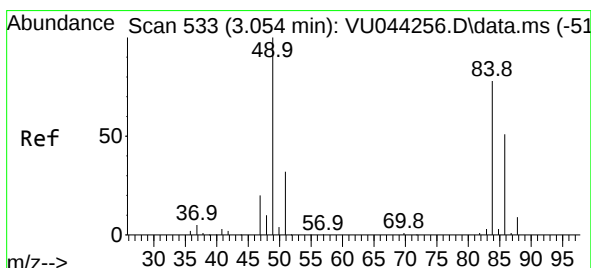
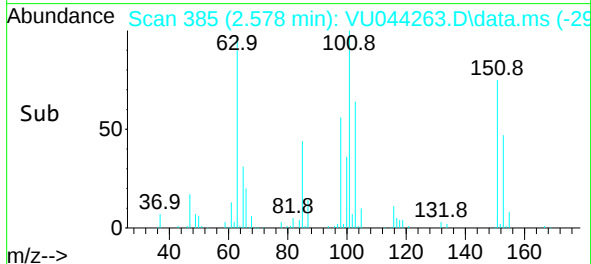
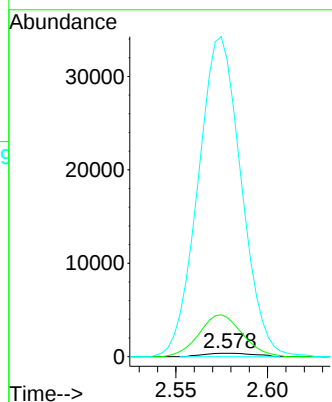
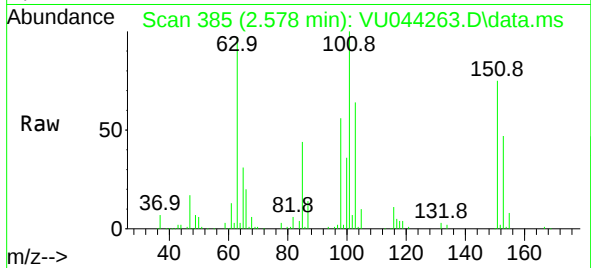




#12
1,1-Dichloroethene
Concen: 0.083 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.006 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

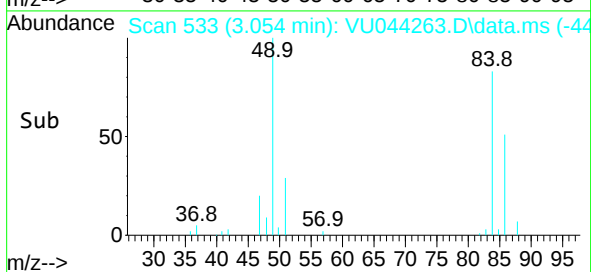
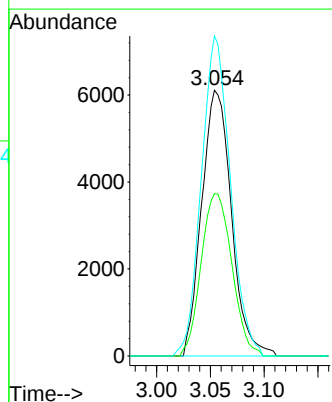
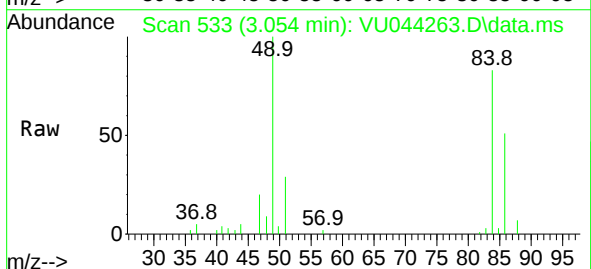
Instrument :
MSVOA_U
ClientSampleId :

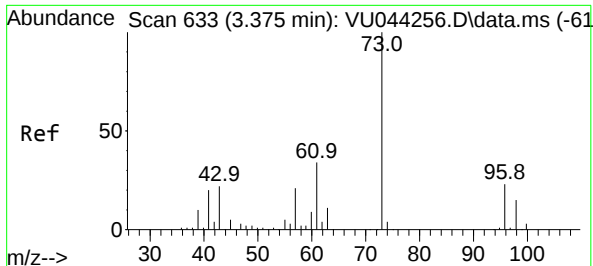
Tgt Ion: 96 Resp: 701
Ion Ratio Lower Upper
96 100
61 1161.4 128.6 238.8#
63 8764.7 84.3 156.5#



#16
Methylene chloride
Concen: 1.032 ug/L
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Tgt Ion: 84 Resp: 11784
Ion Ratio Lower Upper
84 100
86 61.1 46.1 85.5
49 125.6 88.4 164.2



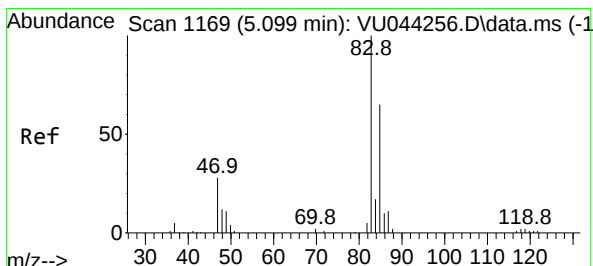
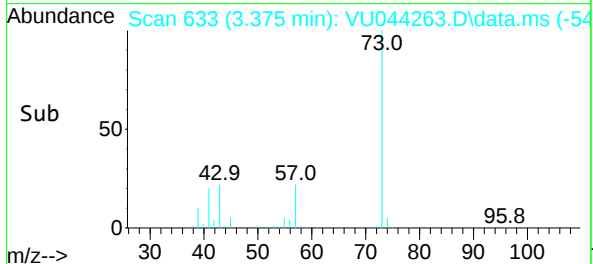
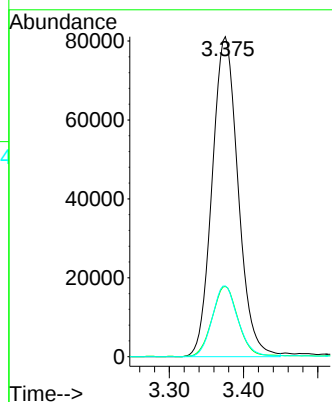
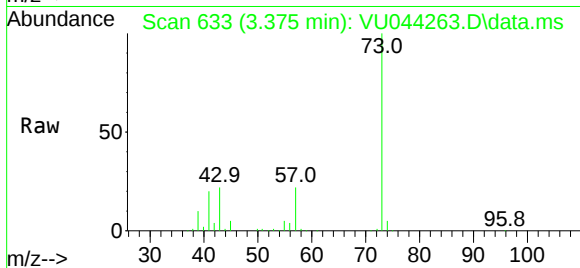


#17

Methyl tert-butyl Ether
Concen: 7.839 ug/L
RT: 3.375 min Scan# 633
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Instrument :
MSVOA_U
ClientSampleId :

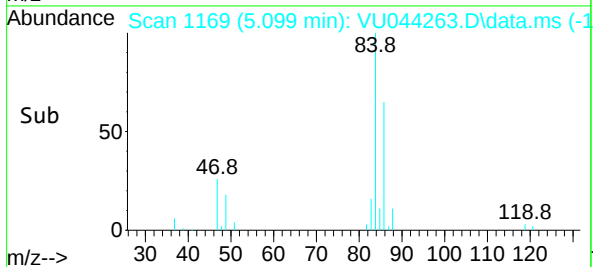
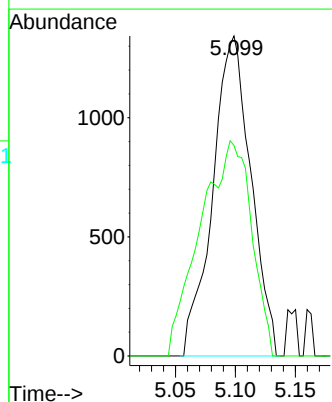
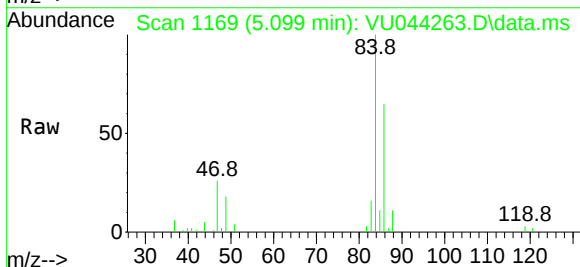
Tgt Ion: 73	Resp: 197015
Ion Ratio	Lower Upper
73 100	
43 22.2	17.6 26.4
57 21.9	17.8 26.8

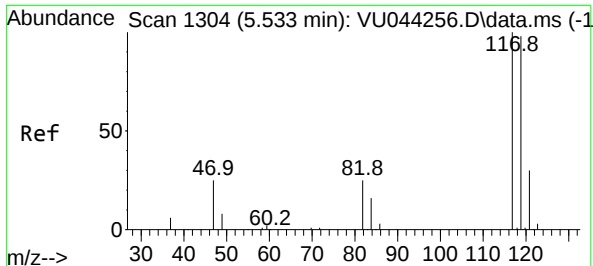


#25

Chloroform
Concen: 0.162 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Tgt Ion: 83	Resp: 2977		
Ion Ratio	Lower	Upper	
83 100			
85 65.8	45.2	84.0	

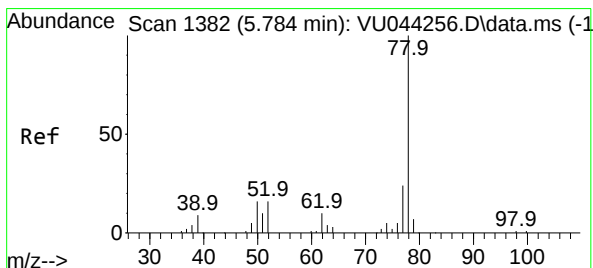
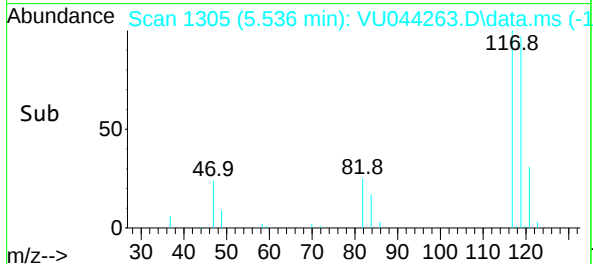
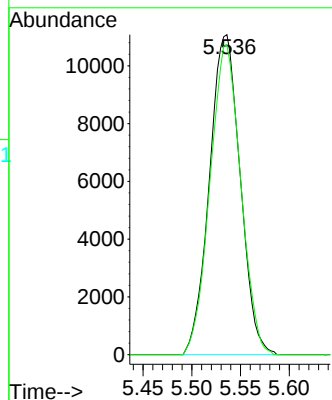
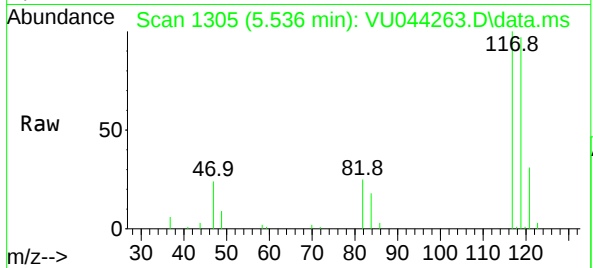




#31
Carbon tetrachloride
Concen: 1.830 ug/L
RT: 5.536 min Scan# 1305
Delta R.T. 0.003 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

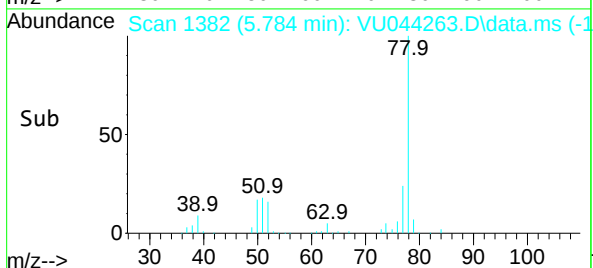
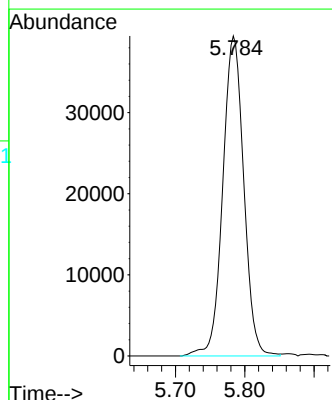
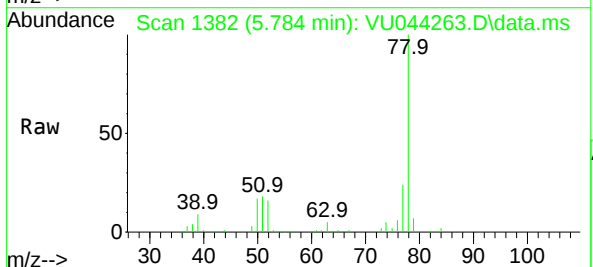
Instrument :
MSVOA_U
ClientSampled :

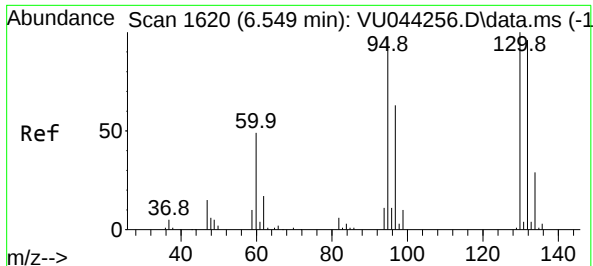
Tgt Ion:117 Resp: 24325
Ion Ratio Lower Upper
117 100
119 96.7 77.7 116.5



#33
Benzene
Concen: 2.285 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Tgt Ion: 78 Resp: 83039



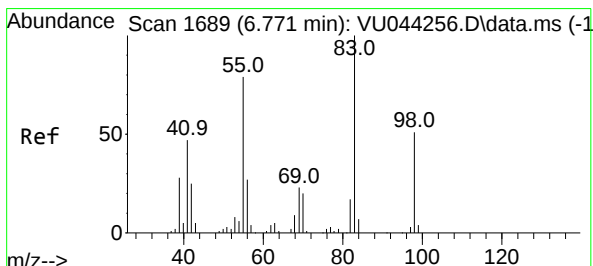
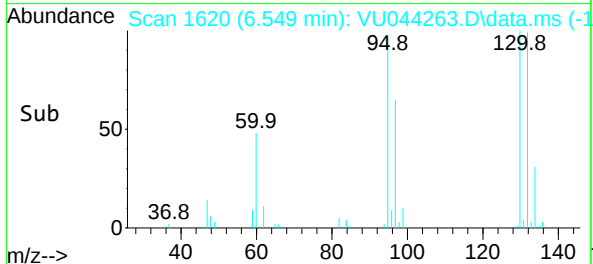
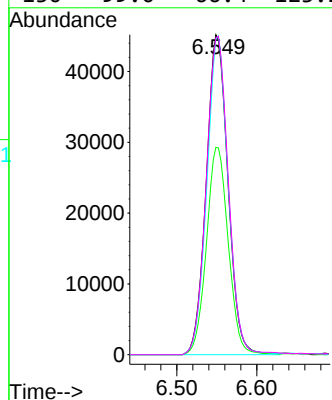
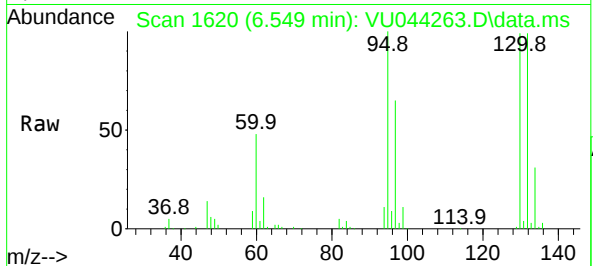


#34
Trichloroethene
Concen: 8.672 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 95 Resp: 85336

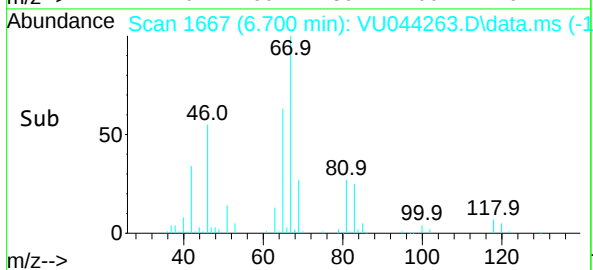
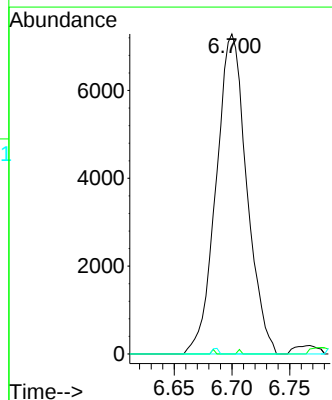
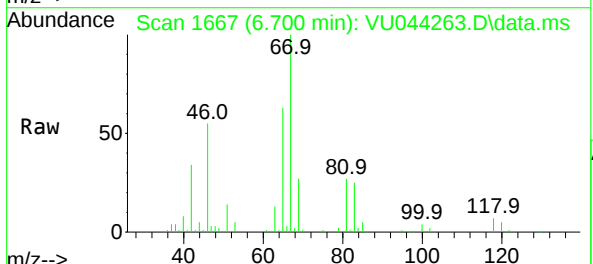
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.3	82.3
132	98.5	64.3	119.5
130	99.0	66.4	123.2

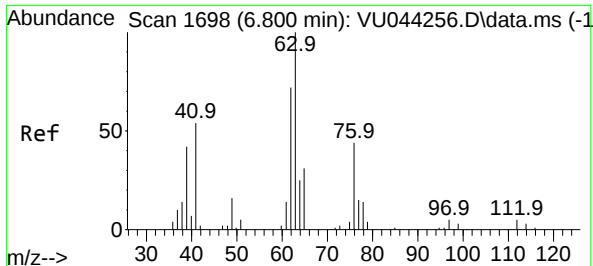


#35
Methylcyclohexane
Concen: 0.827 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Tgt Ion: 83 Resp: 13441

Ion	Ratio	Lower	Upper
83	100		
55	0.1	63.4	95.0#
98	0.0	39.4	59.0#



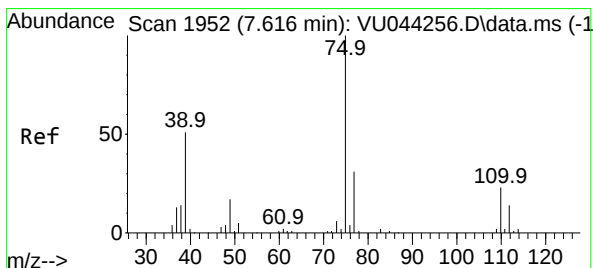
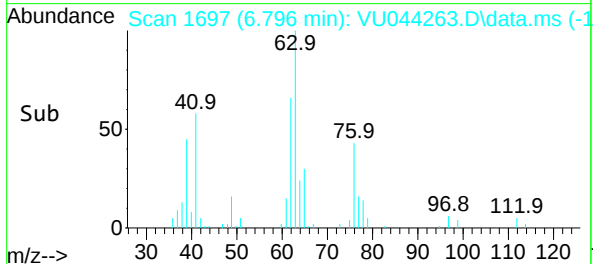
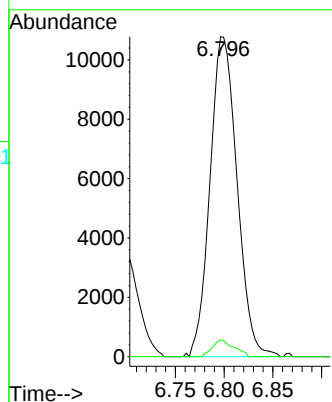
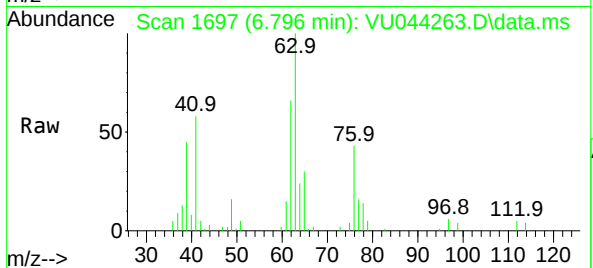


#37

1,2-Dichloropropane
Concen: 2.173 ug/L
RT: 6.796 min Scan# 1697
Delta R.T. -0.003 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Instrument :
MSVOA_U
ClientSampleId :

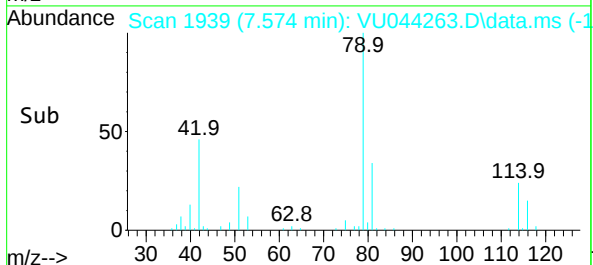
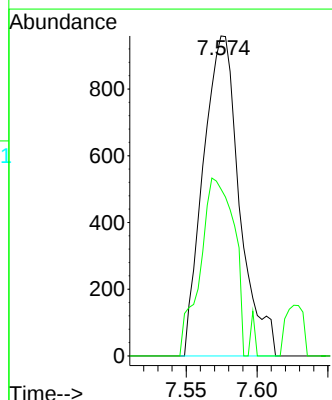
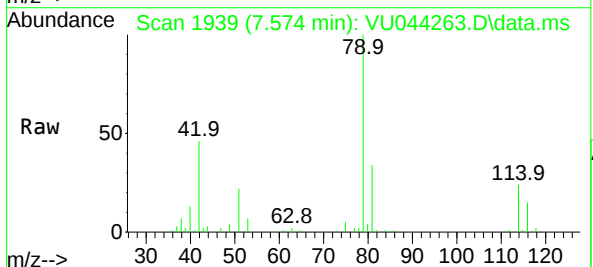
Tgt Ion: 63 Resp: 20847
Ion Ratio Lower Upper
63 100
112 4.2 3.5 5.3

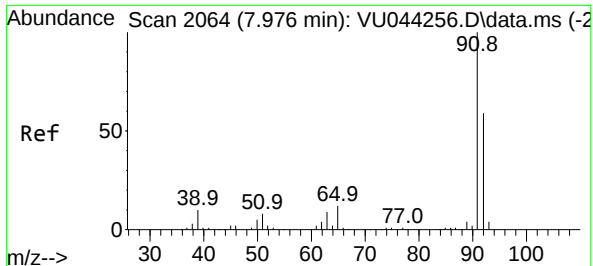


#39

cis-1,3-Dichloropropene
Concen: 0.108 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Tgt Ion: 75 Resp: 1709
Ion Ratio Lower Upper
75 100
77 52.1 22.5 41.7#

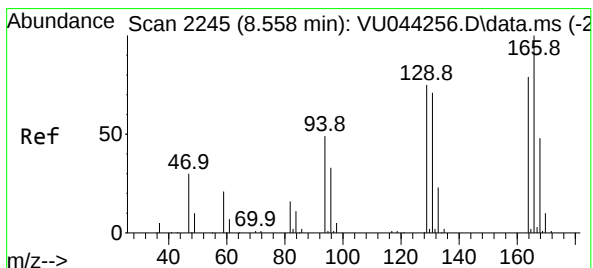
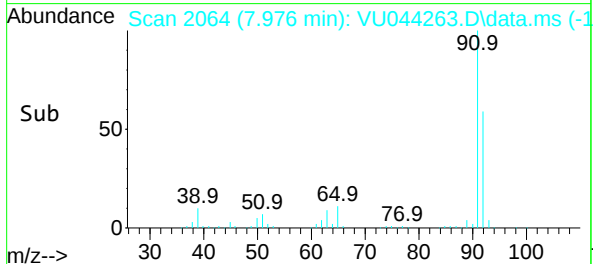
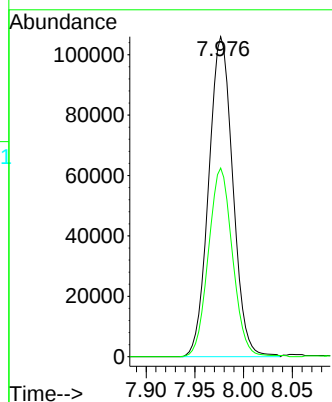
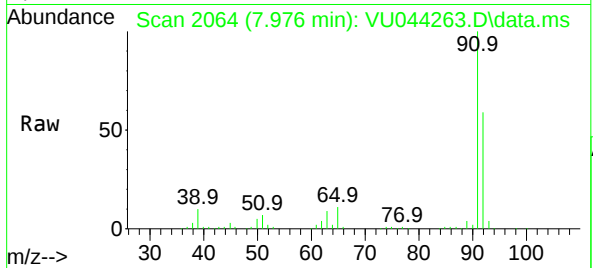




#42
Toluene
Concen: 4.562 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

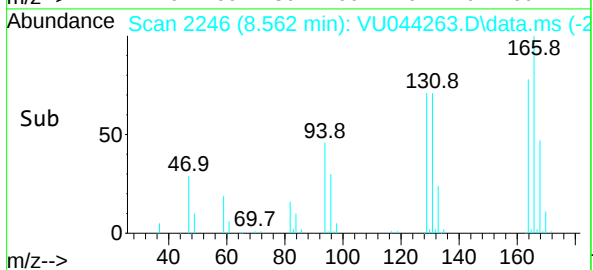
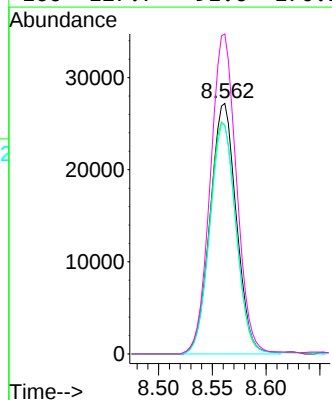
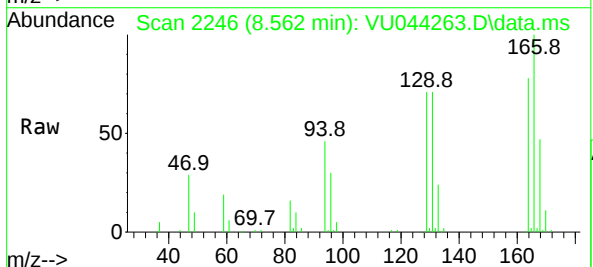
Instrument :
MSVOA_U
ClientSampled :

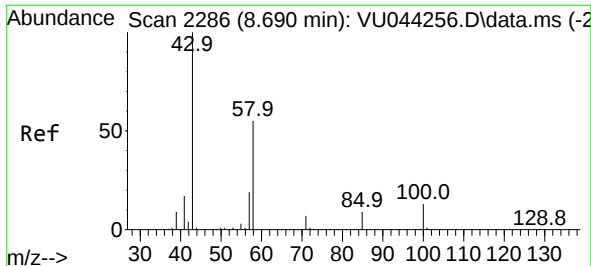
Tgt Ion: 91 Resp: 182532
Ion Ratio Lower Upper
91 100
92 59.0 41.2 76.6



#47
Tetrachloroethene
Concen: 6.345 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.003 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

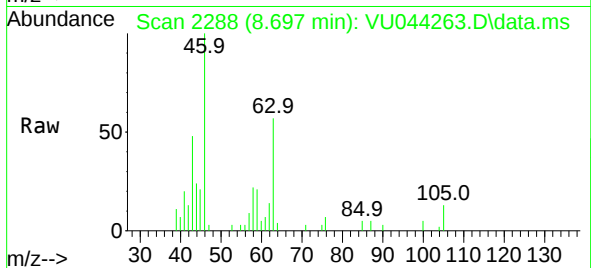
Tgt Ion: 164 Resp: 46161
Ion Ratio Lower Upper
164 100
129 91.2 71.8 133.4
131 91.2 66.4 123.2
166 127.7 91.6 170.2



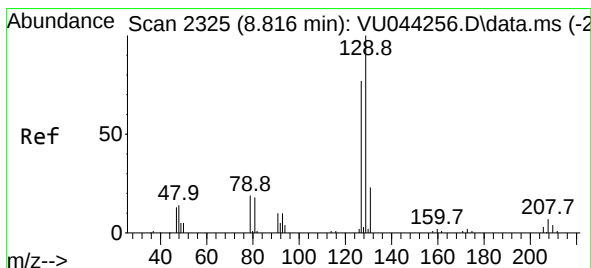
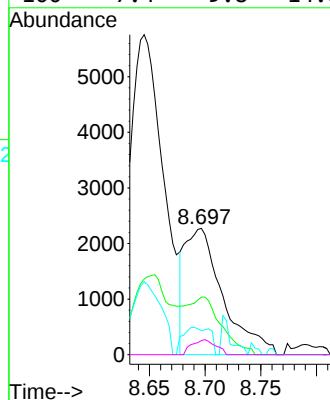
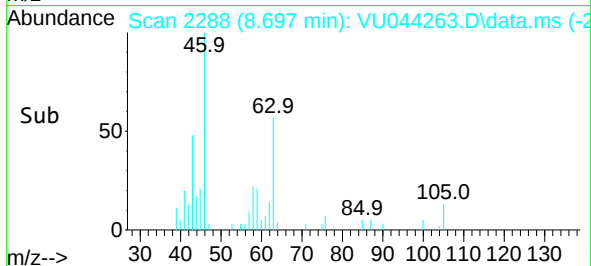


#48
2-Hexanone
Concen: 0.996 ug/L
RT: 8.697 min Scan# 2288
Delta R.T. 0.006 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

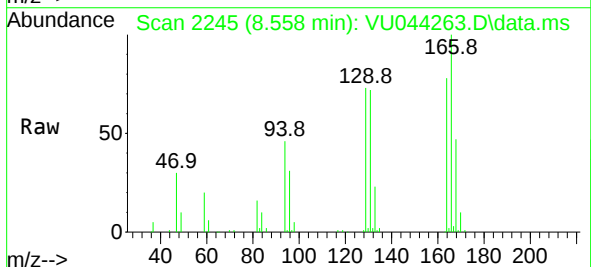
Instrument :
MSVOA_U
ClientSampled :



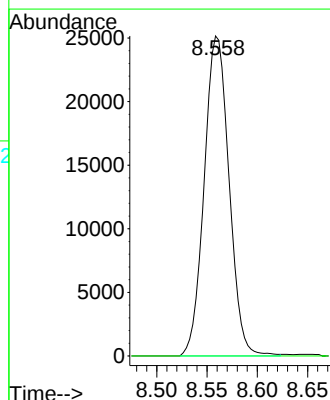
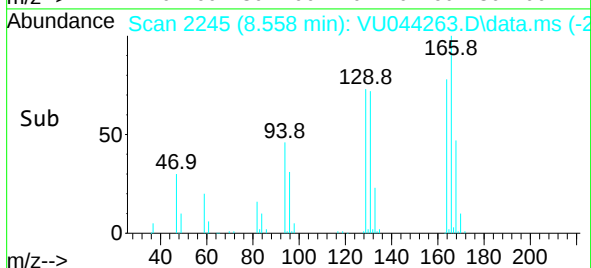
Tgt Ion: 43 Resp: 5414
Ion Ratio Lower Upper
43 100
58 29.4 44.7 67.1#
57 10.6 15.7 23.5#
100 7.4 9.8 14.8#

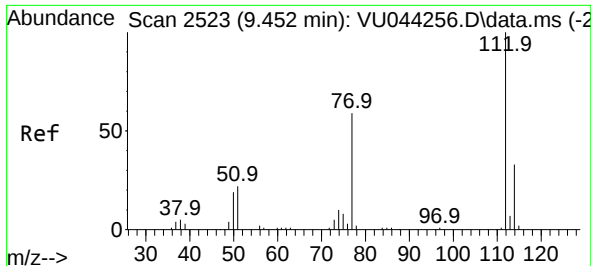


#49
Dibromochloromethane
Concen: 4.719 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.257 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44



Tgt Ion: 129 Resp: 43266
Ion Ratio Lower Upper
129 100
127 0.0 53.6 99.6#

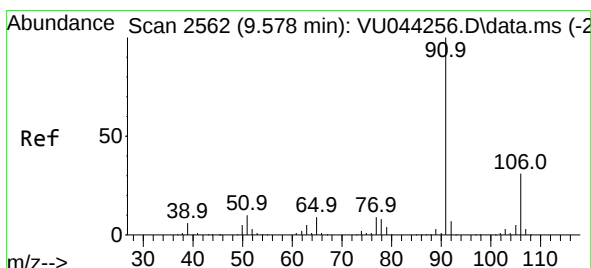
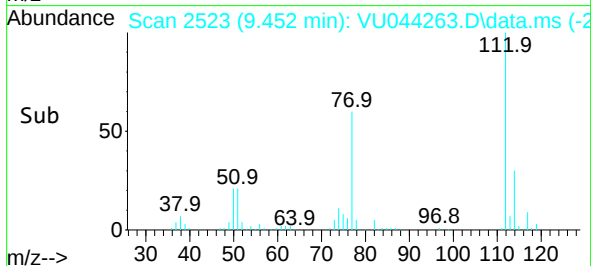
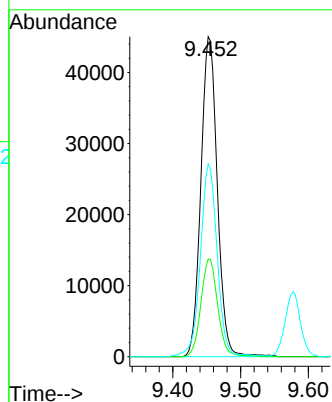
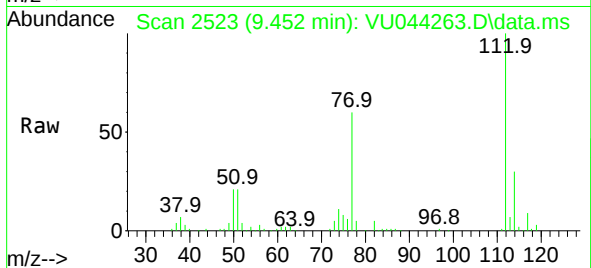




#51
Chlorobenzene
Concen: 2.964 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

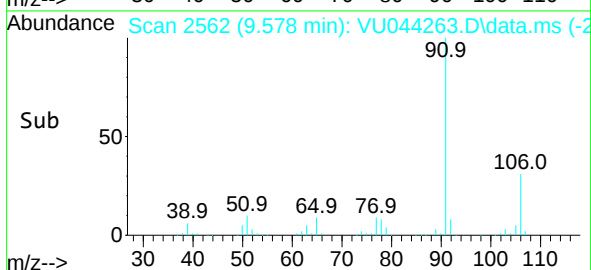
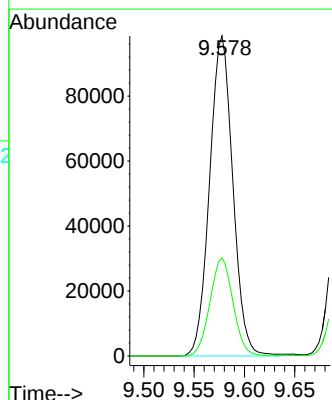
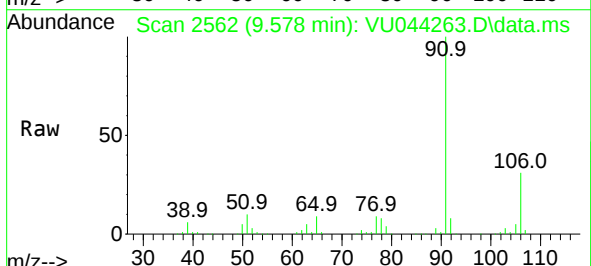
Instrument :
MSVOA_U
ClientSampled :

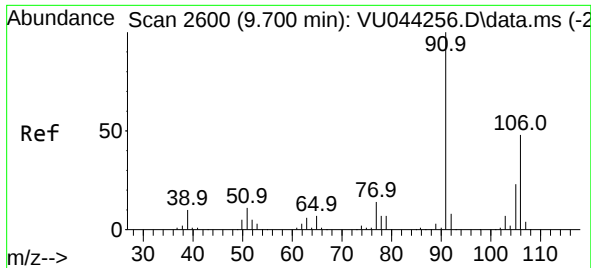
Tgt Ion:112 Resp: 75958
Ion Ratio Lower Upper
112 100
114 30.5 22.0 41.0
77 60.2 48.9 73.3



#52
Ethylbenzene
Concen: 3.422 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Tgt Ion: 91 Resp: 158046
Ion Ratio Lower Upper
91 100
106 30.6 21.6 40.2

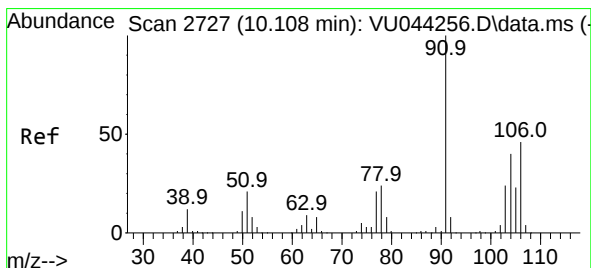
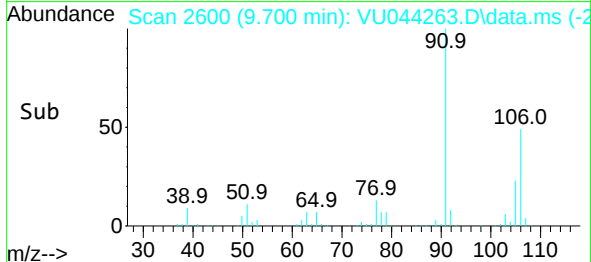
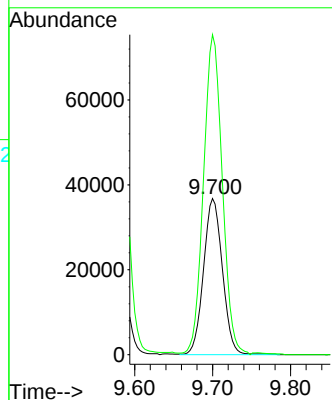
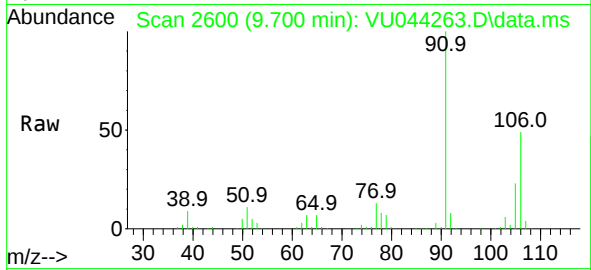




#53
m,p-Xylene
Concen: 3.552 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

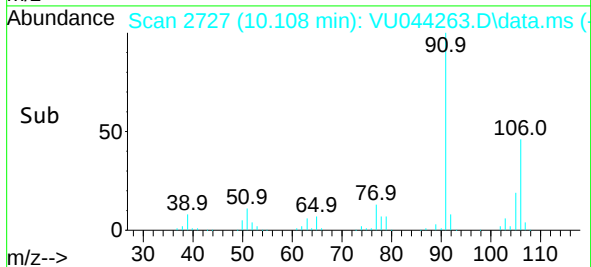
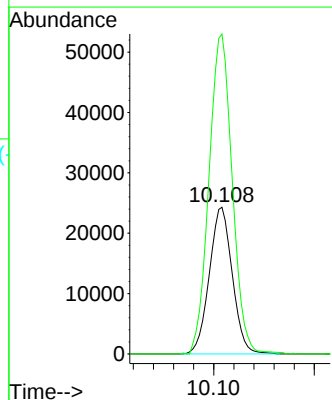
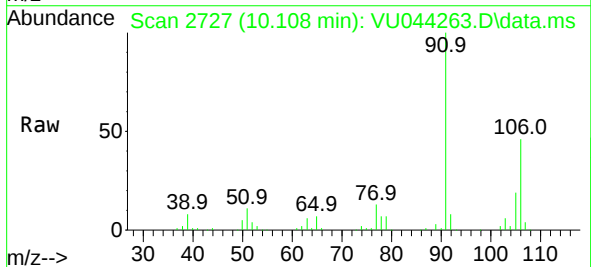
Instrument :
MSVOA_U
ClientSampled :

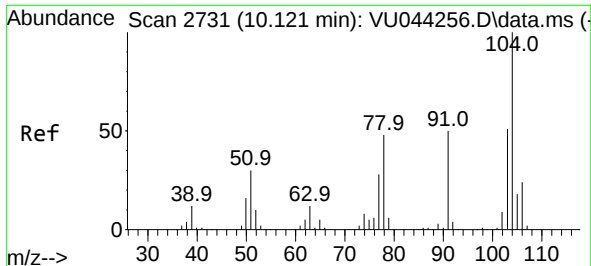
Tgt Ion:106 Resp: 62124
Ion Ratio Lower Upper
106 100
91 205.0 144.8 269.0



#54
o-Xylene
Concen: 2.271 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Tgt Ion:106 Resp: 38612
Ion Ratio Lower Upper
106 100
91 218.2 154.8 287.4

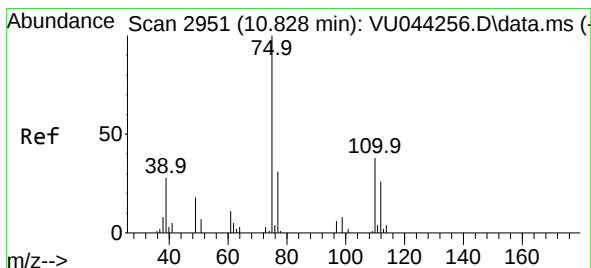
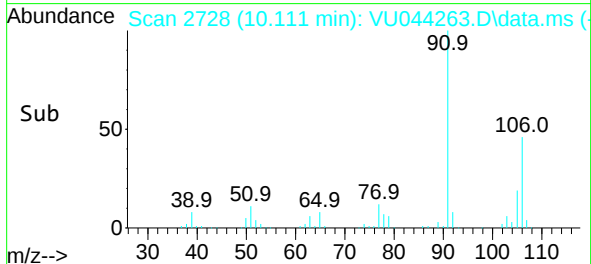
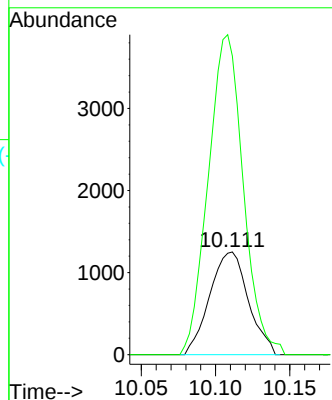
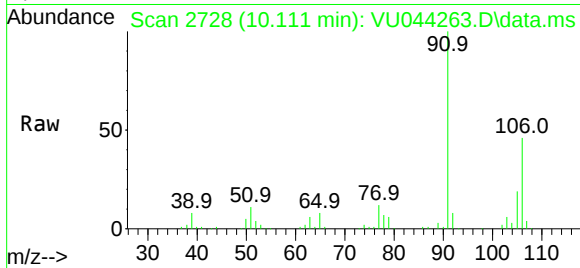




#55
Styrene
Concen: 0.076 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.010 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

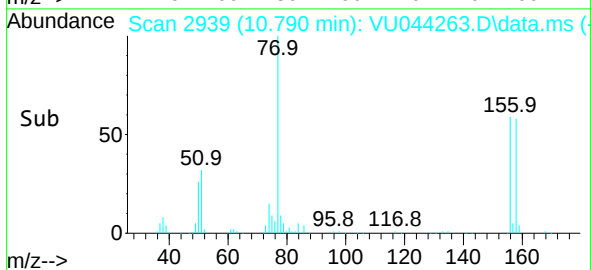
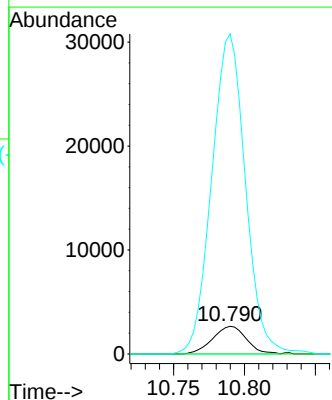
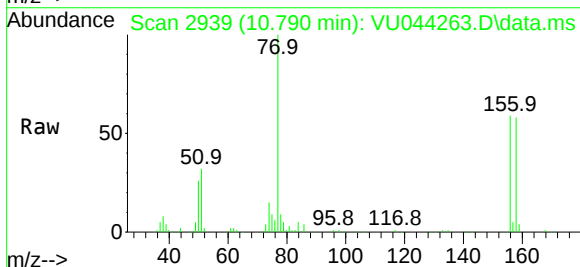
Instrument :
MSVOA_U
ClientSampled :

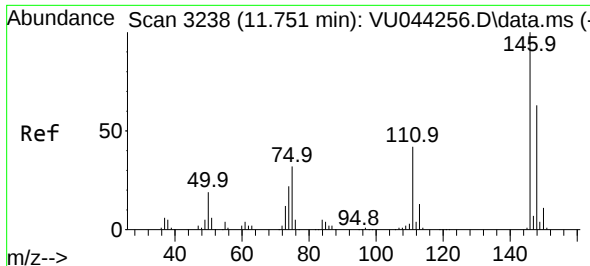
Tgt Ion:104 Resp: 2265
Ion Ratio Lower Upper
104 100
78 291.0 34.1 63.3#



#61
1,2,3-Trichloropropane
Concen: 0.616 ug/L
RT: 10.790 min Scan# 2939
Delta R.T. -0.039 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Tgt Ion: 75 Resp: 4395
Ion Ratio Lower Upper
75 100
110 0.0 30.5 45.7#
77 1159.1 26.1 39.1#

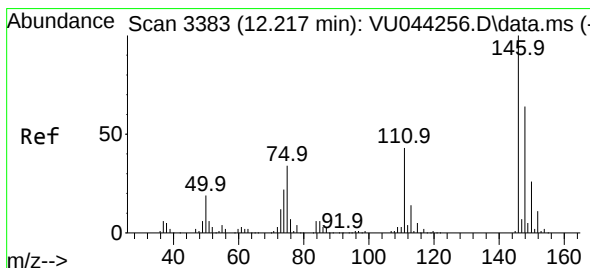
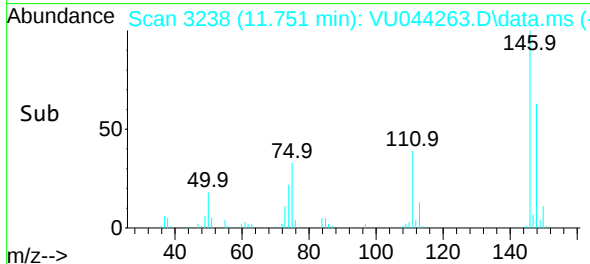
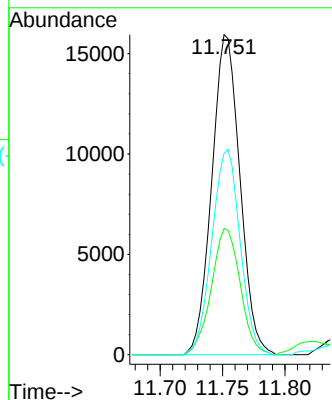
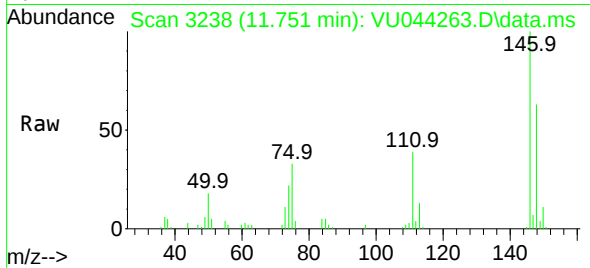




#64
1,3-Dichlorobenzene
Concen: 1.156 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

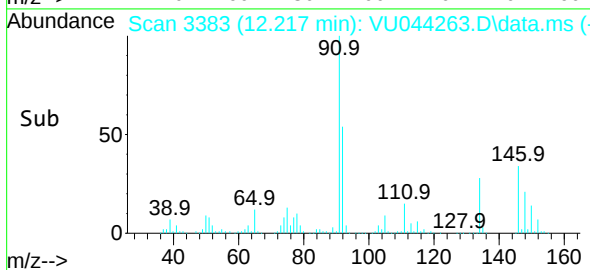
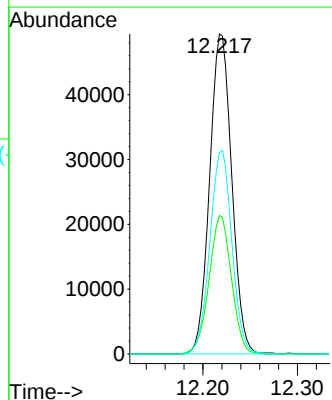
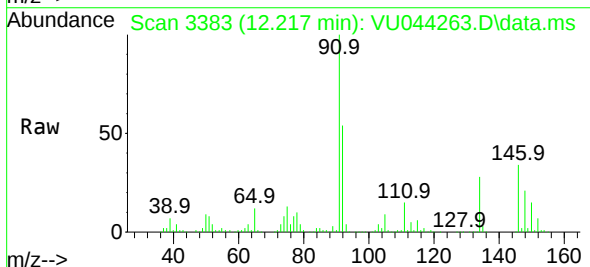
Instrument :
MSVOA_U
ClientSampleId :

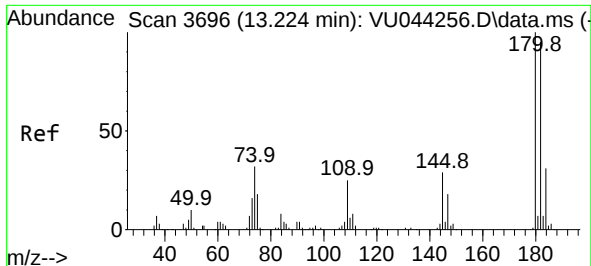
Tgt Ion:146 Resp: 25093
Ion Ratio Lower Upper
146 100
111 39.4 29.8 55.3
148 62.9 45.8 85.2



#67
1,2-Dichlorobenzene
Concen: 3.932 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Tgt Ion:146 Resp: 80245
Ion Ratio Lower Upper
146 100
111 43.3 35.0 52.6
148 62.8 51.2 76.8

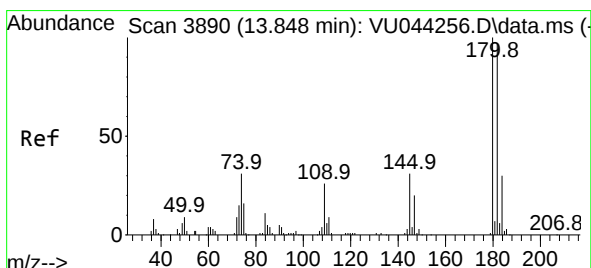
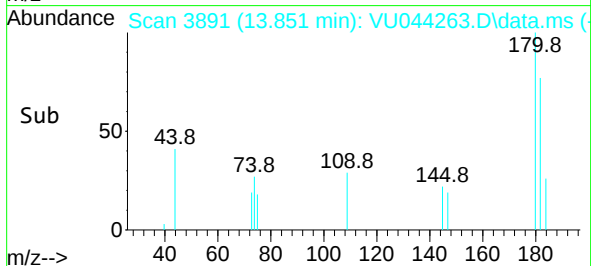
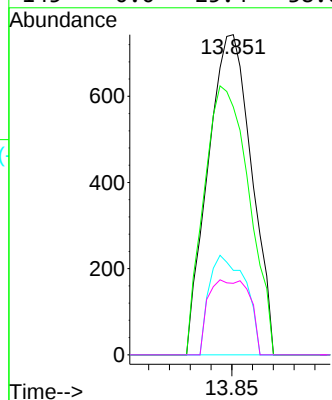
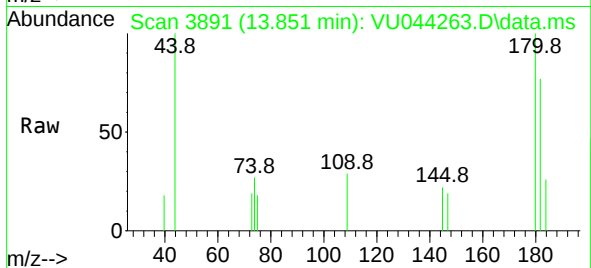




#69
1,3,5-Trichlorobenzene
Concen: 0.065 ug/L
RT: 13.851 min Scan# 3891
Delta R.T. 0.627 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

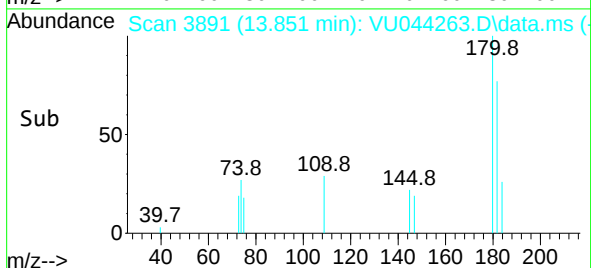
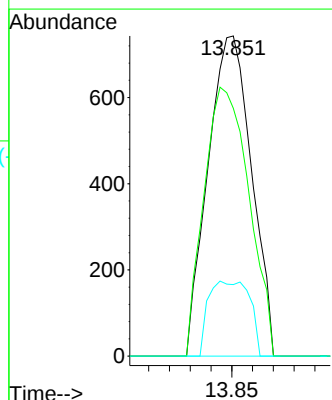
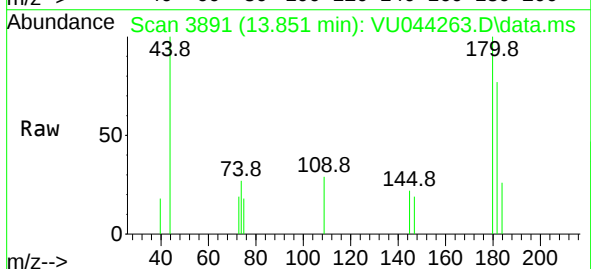
Instrument :
MSVOA_U
ClientSampleId :

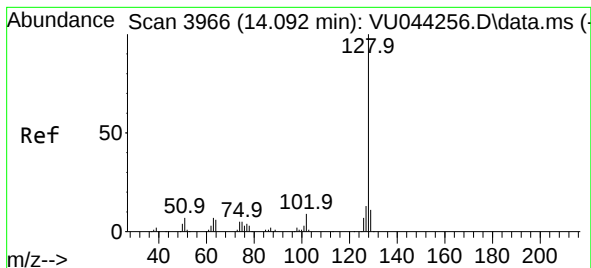
Tgt Ion:180 Resp: 1081
Ion Ratio Lower Upper
180 100
182 0.0 75.8 113.6#
184 0.0 23.8 35.8#
145 0.0 25.4 38.0#



#70
1,2,4-trichlorobenzene
Concen: 0.077 ug/L
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Tgt Ion:180 Resp: 1081
Ion Ratio Lower Upper
180 100
182 86.8 75.7 113.5
145 22.0 25.6 38.4#

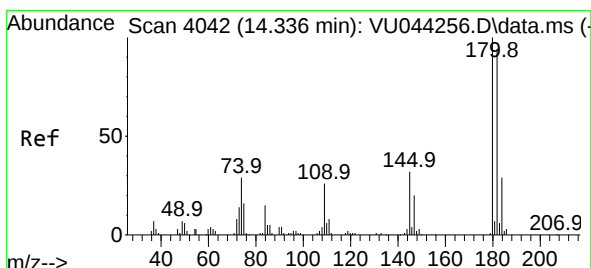
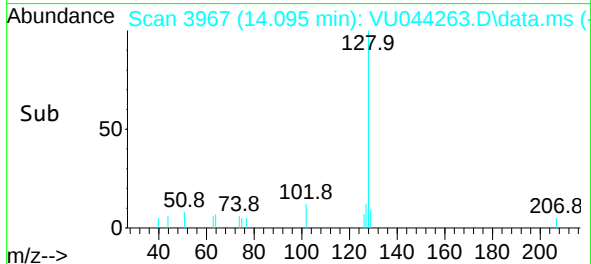
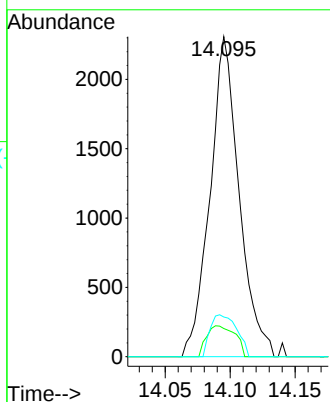
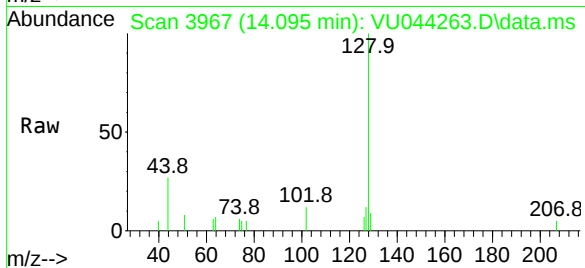




#71
Naphthalene
Concen: 0.142 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:128 Resp: 3594
Ion Ratio Lower Upper
128 100
129 9.4 8.9 13.3
127 12.0 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 2.813 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. -0.000 min
Lab File: VU044263.D
Acq: 30 Jun 2021 15:44

Tgt Ion:180 Resp: 34032
Ion Ratio Lower Upper
180 100
182 95.6 76.4 114.6
145 31.4 26.5 39.7

