

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072021\
 Data File : VU044372.D
 Acq On : 20 Jul 2021 17:11
 Operator : SY/MD
 Sample : M3035-07DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WSDL

Quant Time: Jul 21 01:26:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 16 14:36:39 2021
 Response via : Initial Calibration

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

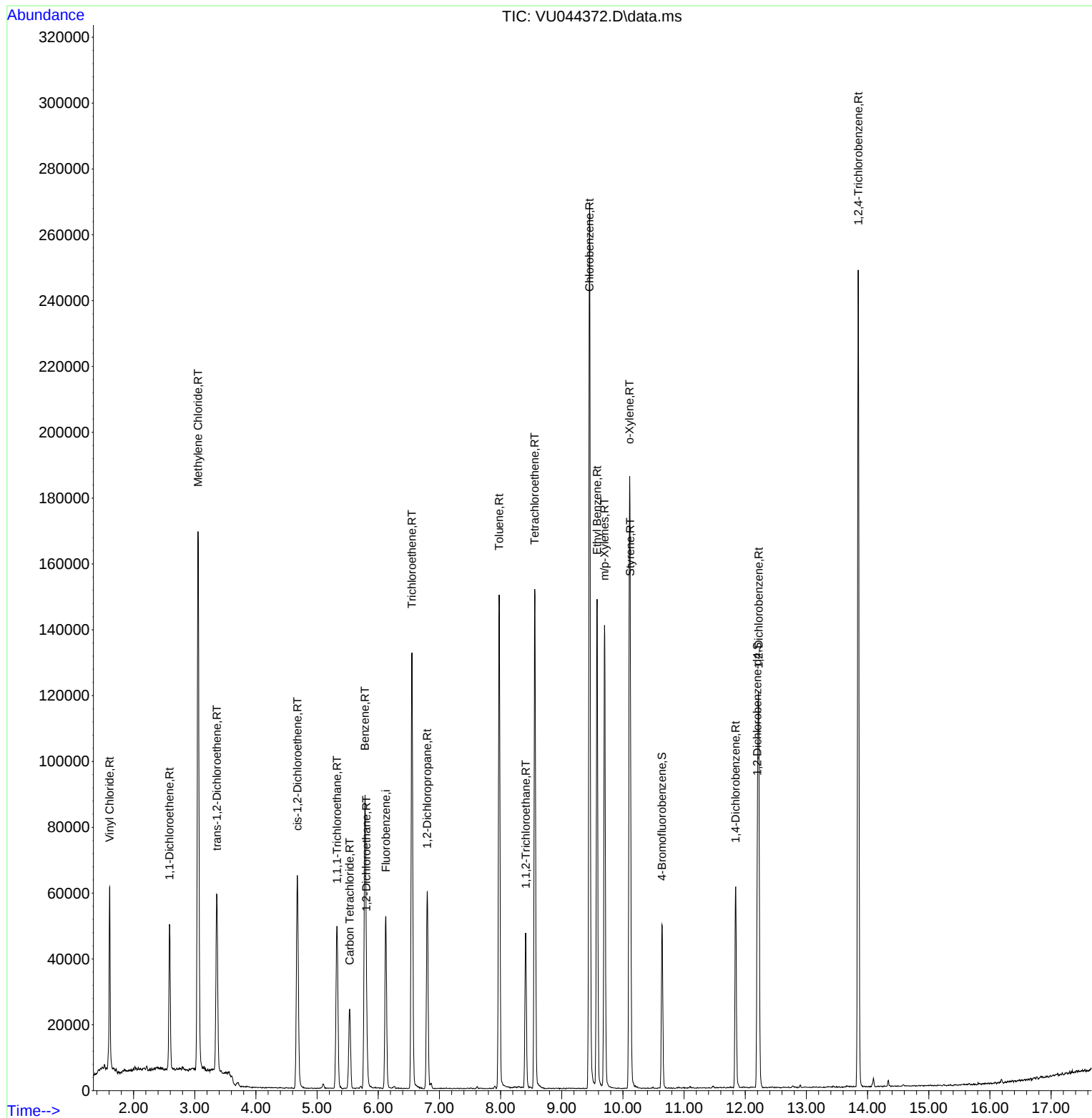
Internal Standards						
1) Fluorobenzene	6.125	96	49658	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	18669	0.932	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	18954	0.970	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.610	62	38959	2.047	ug/l	98
9) 1,1-Dichloroethene	2.588	96	14788	1.166	ug/l	94
15) Methylene Chloride	3.054	84	79047	4.392	ug/l	96
16) trans-1,2-Dichloroethene	3.363	96	22891	1.618	ug/l	95
22) cis-1,2-Dichloroethene	4.678	96	34894	2.257	ug/l	82
28) 1,1,1-Trichloroethane	5.327	97	36482	1.716	ug/l	99
30) Carbon Tetrachloride	5.533	117	17139	0.967	ug/l	96
35) Benzene	5.784	78	84019	1.431	ug/l	99
36) 1,2-Dichloroethane	5.806	62	17851	1.059	ug/l	96
37) Trichloroethene	6.549	130	46117	3.125	ug/l	95
38) 1,2-Dichloropropane	6.800	63	24871	1.600	ug/l	98
49) Toluene	7.977	92	66441	1.799	ug/l	99
52) 1,1,2-Trichloroethane	8.411	97	15545	1.369	ug/l	99
58) Tetrachloroethene	8.558	164	35020	2.796	ug/l	99
59) Chlorobenzene	9.456	112	148128	3.793	ug/l	97
63) Ethyl Benzene	9.578	91	108311	1.552	ug/l	98
64) m/p-Xylenes	9.700	106	42221	1.583	ug/l	99
65) o-Xylene	10.108	106	42057	1.634	ug/l	96
66) Styrene	10.121	104	41993	0.947	ug/l	95
83) 1,4-Dichlorobenzene	11.845	146	26188	0.819	ug/l	98
85) 1,2-Dichlorobenzene	12.221	146	43352	1.413	ug/l	100
87) 1,2,4-Trichlorobenzene	13.848	180	76552	3.528	ug/l	98

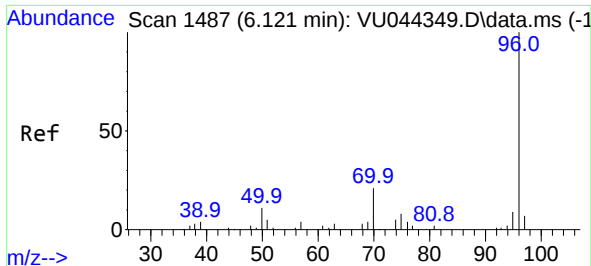
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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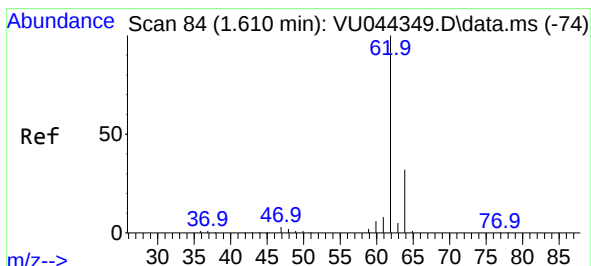
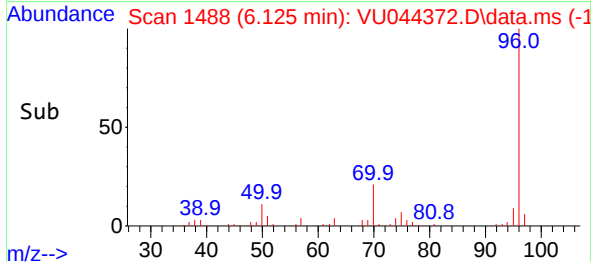
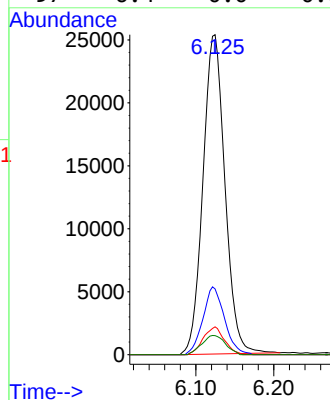
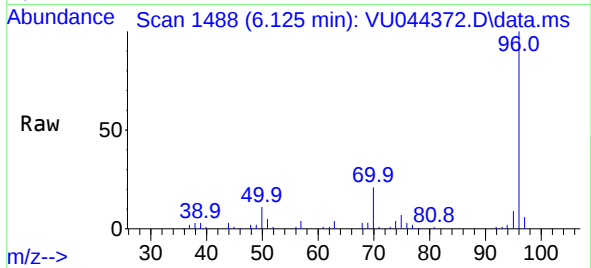




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.125 min Scan# 1488
Delta R.T. 0.003 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

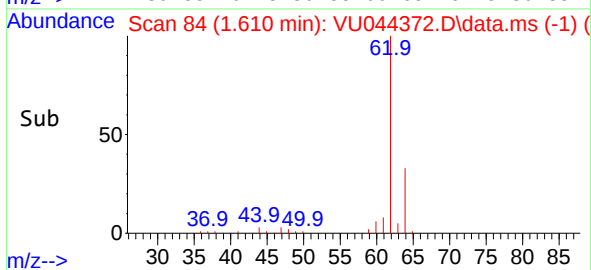
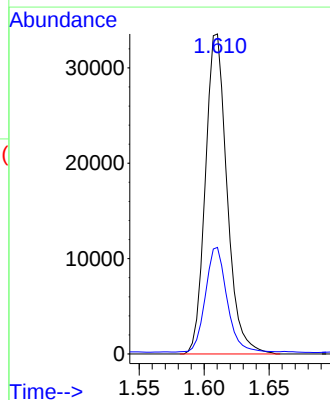
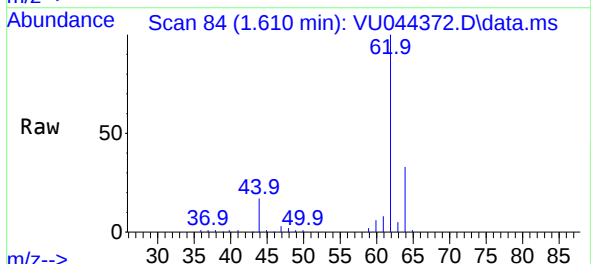
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

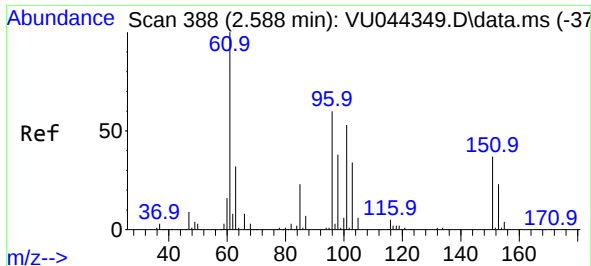
Tgt Ion: 96	Resp: 49658
Ion Ratio	Lower Upper
96 100	
70 20.8	16.2 24.2
95 8.4	7.3 10.9
97 6.4	0.0 0.0#



#4
Vinyl Chloride
Concen: 2.047 ug/l
RT: 1.610 min Scan# 84
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

Tgt Ion: 62	Resp: 38959
Ion Ratio	Lower Upper
62 100	
64 32.6	25.1 37.7

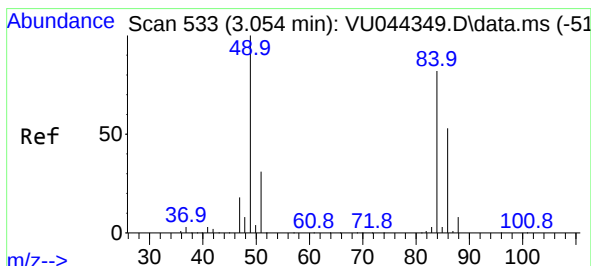
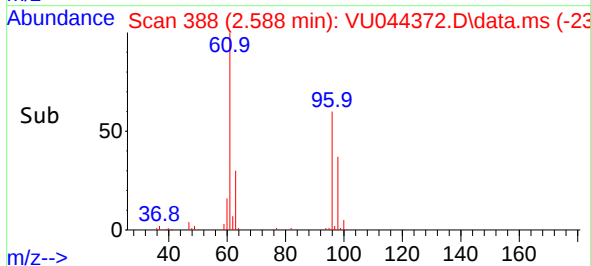
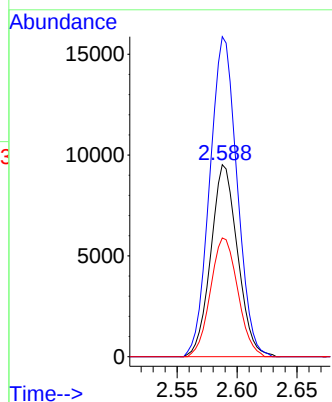
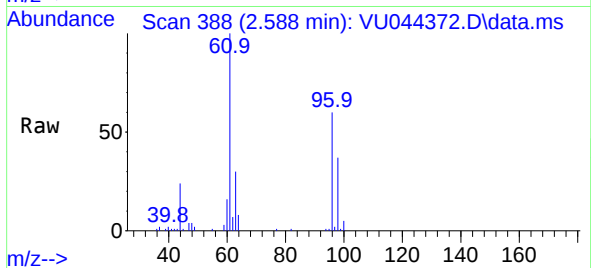




#9
1,1-Dichloroethene
Concen: 1.166 ug/l
RT: 2.588 min Scan# 388
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

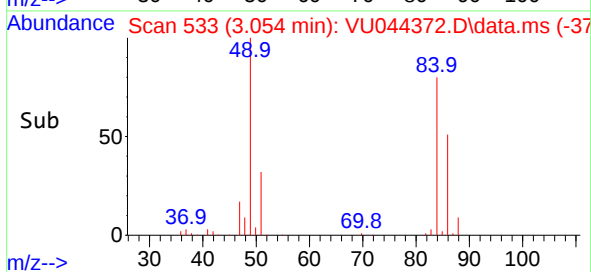
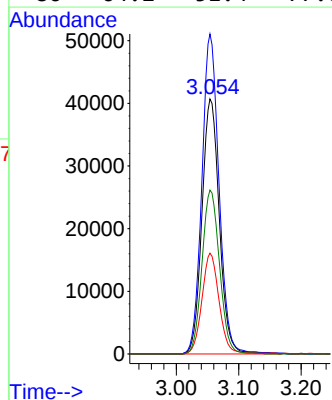
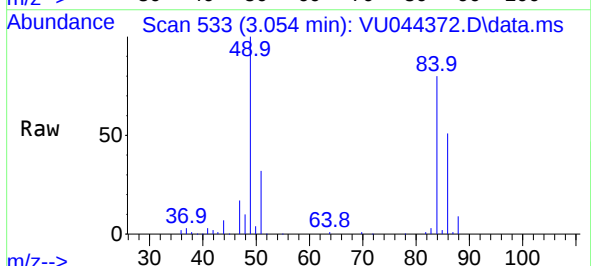
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

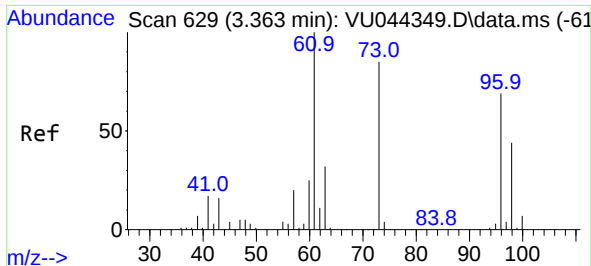
Tgt Ion: 96 Resp: 14788
Ion Ratio Lower Upper
96 100
61 166.6 0.0 528.0
98 61.8 0.0 127.4



#15
Methylene Chloride
Concen: 4.392 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

Tgt Ion: 84 Resp: 79047
Ion Ratio Lower Upper
84 100
49 125.5 106.3 159.5
51 39.5 0.0 81.8
86 64.2 51.4 77.0

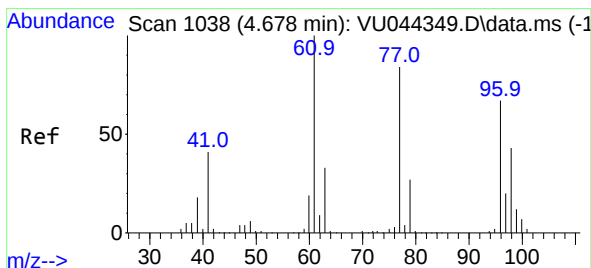
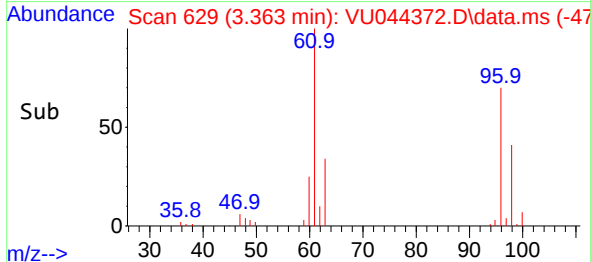
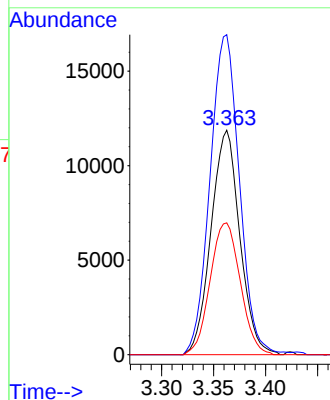
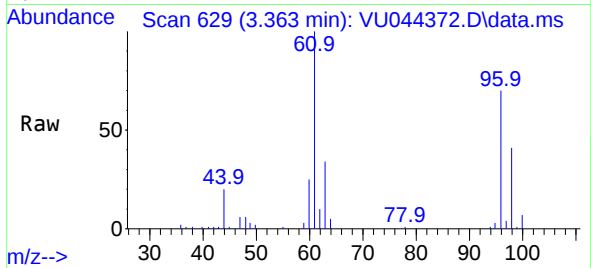




#16
trans-1,2-Dichloroethene
Concen: 1.618 ug/l
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

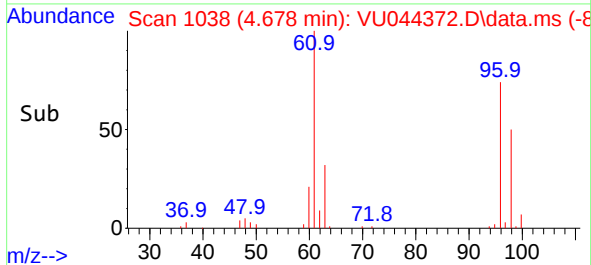
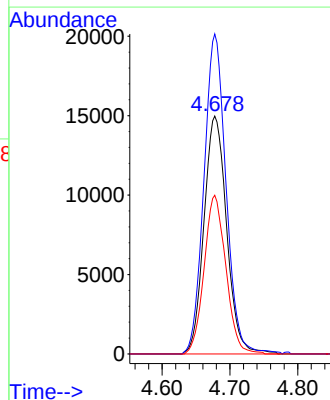
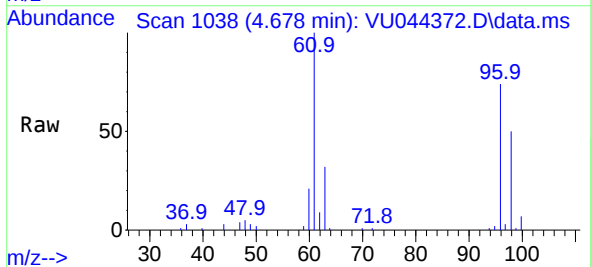
Instrument :
MSVOA_U
ClientSampleId :
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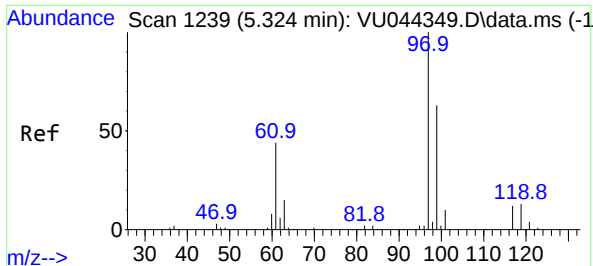
Tgt Ion: 96 Resp: 22891
Ion Ratio Lower Upper
96 100
61 142.6 119.3 178.9
98 58.7 50.8 76.2



#22
cis-1,2-Dichloroethene
Concen: 2.257 ug/l
RT: 4.678 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

Tgt Ion: 96 Resp: 34894
Ion Ratio Lower Upper
96 100
61 129.8 0.0 407.7
98 63.9 32.5 97.4

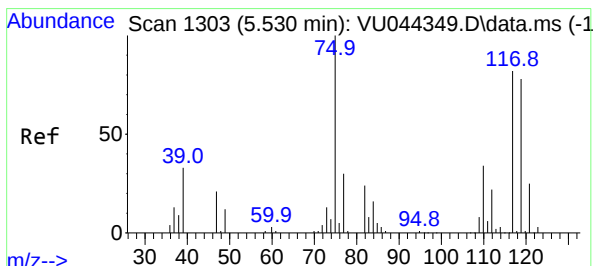
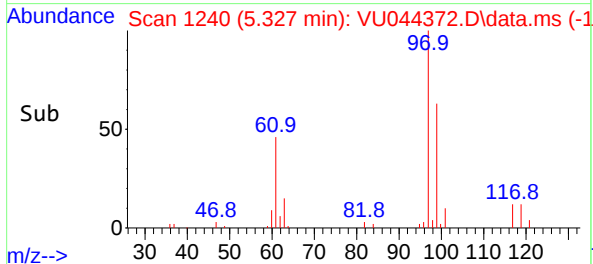
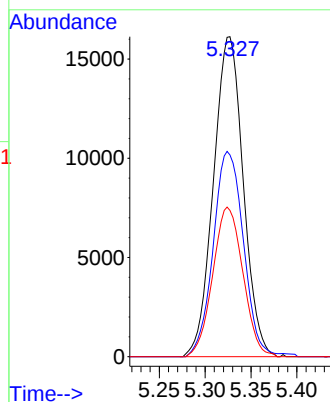
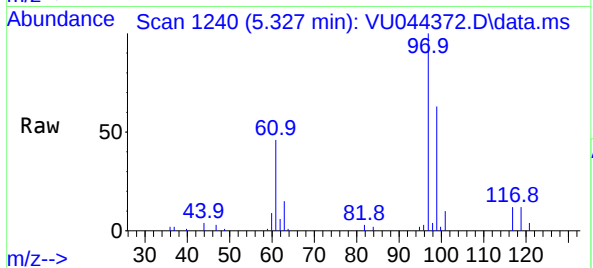




#28
1,1,1-Trichloroethane
Concen: 1.716 ug/l
RT: 5.327 min Scan# 1240
Delta R.T. 0.003 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

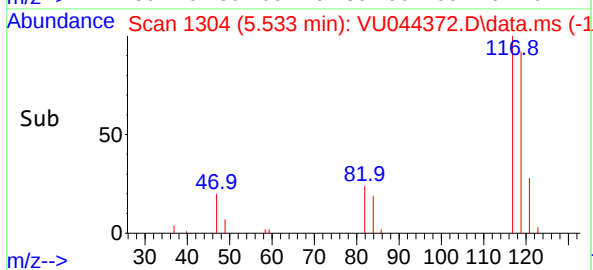
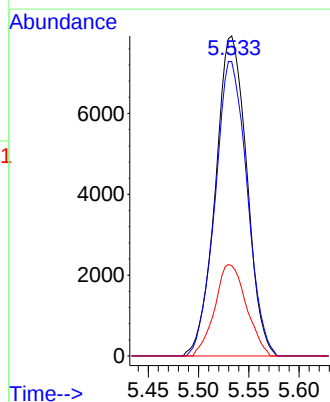
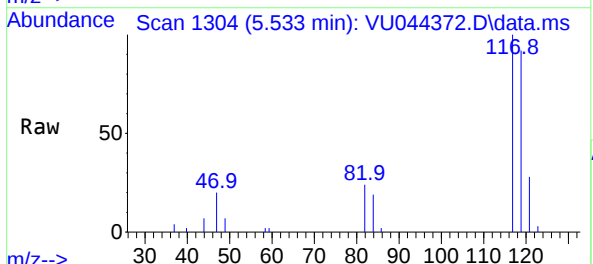
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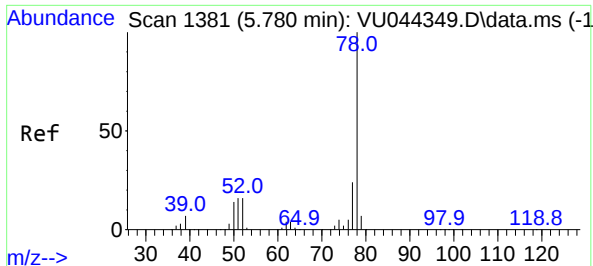
Tgt Ion:	97	Resp:	36482
Ion	Ratio	Lower	Upper
97	100		
99	65.3	32.0	96.2
61	47.3	23.8	71.5



#30
Carbon Tetrachloride
Concen: 0.967 ug/l
RT: 5.533 min Scan# 1304
Delta R.T. 0.003 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

Tgt Ion:	117	Resp:	17139
Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.0	115.6
121	28.2	24.2	36.4

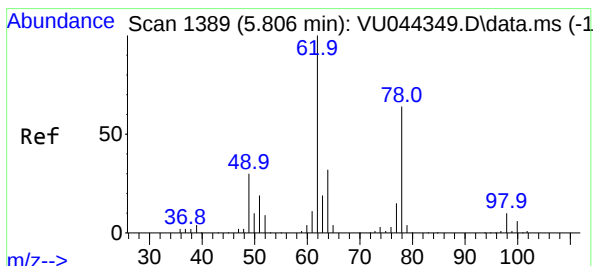
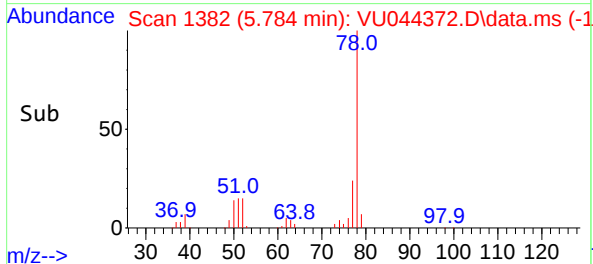
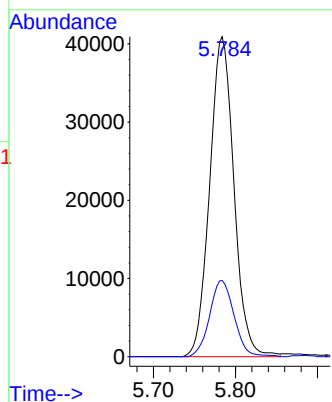
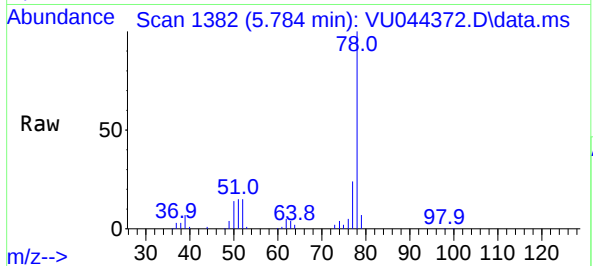




#35
Benzene
Concen: 1.431 ug/l
RT: 5.784 min Scan# 1382
Delta R.T. 0.003 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

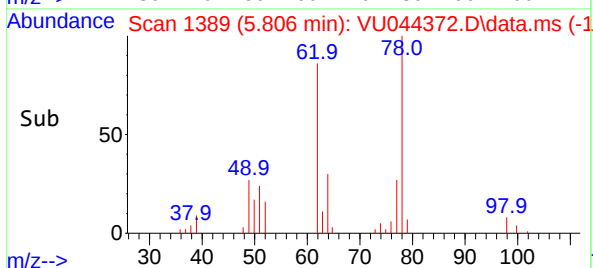
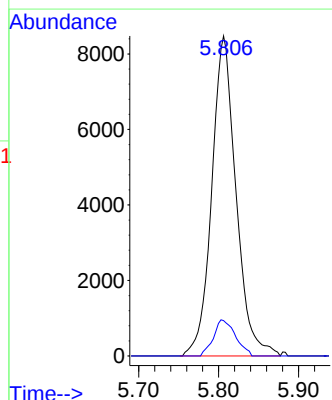
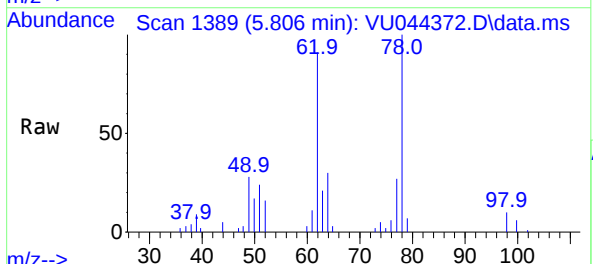
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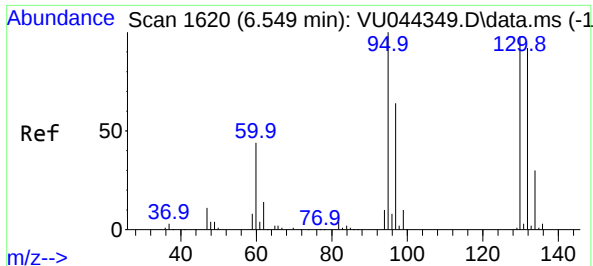
Tgt Ion: 78 Resp: 84019
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0



#36
1,2-Dichloroethane
Concen: 1.059 ug/l
RT: 5.806 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

Tgt Ion: 62 Resp: 17851
Ion Ratio Lower Upper
62 100
98 10.2 7.0 10.6

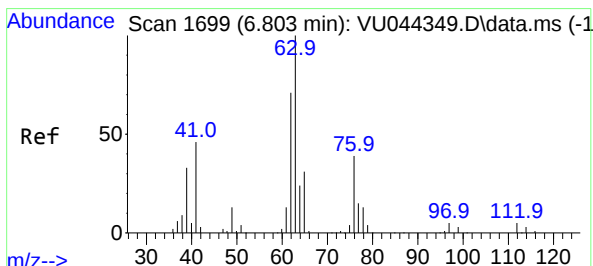
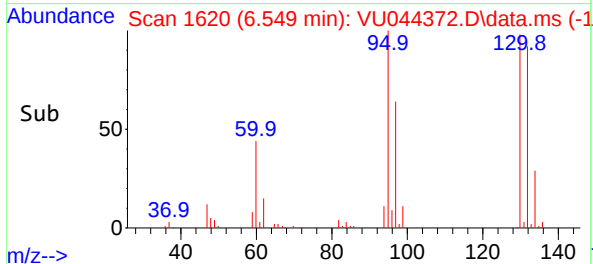
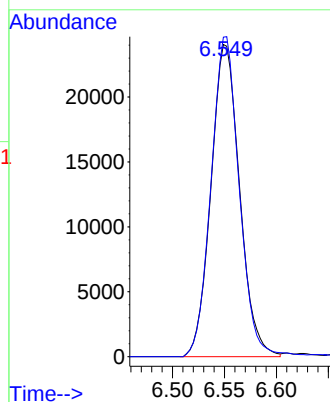
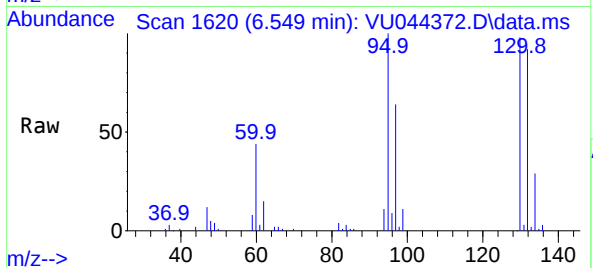




#37
Trichloroethene
Concen: 3.125 ug/l
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

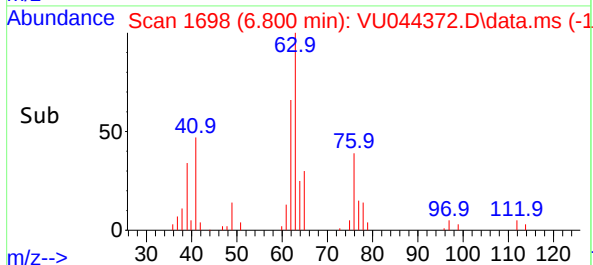
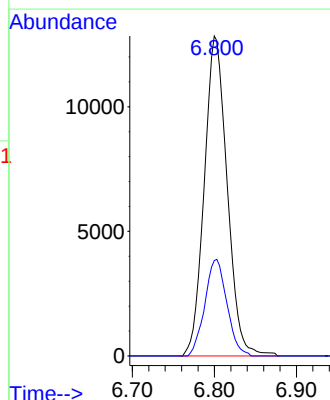
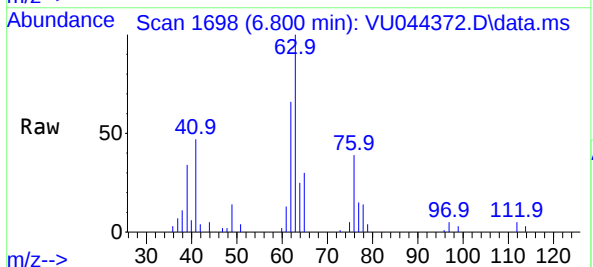
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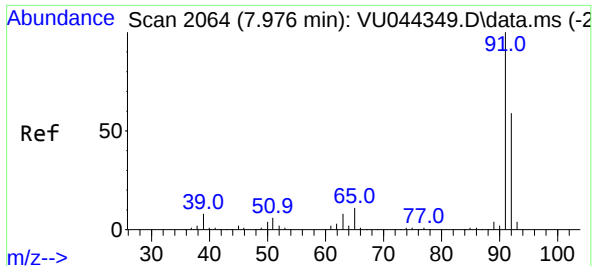
Tgt Ion:130 Resp: 46117
Ion Ratio Lower Upper
130 100
95 102.4 77.8 116.6



#38
1,2-Dichloropropane
Concen: 1.600 ug/l
RT: 6.800 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

Tgt Ion: 63 Resp: 24871
Ion Ratio Lower Upper
63 100
65 29.8 24.7 37.1





#49

Toluene

Concen: 1.799 ug/l

RT: 7.977 min Scan# 2064

Delta R.T. 0.000 min

Lab File: VU044372.D

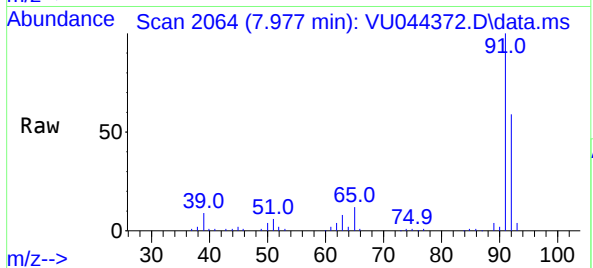
Acq: 20 Jul 2021 17:11

Tgt Ion: 92 Resp: 66441

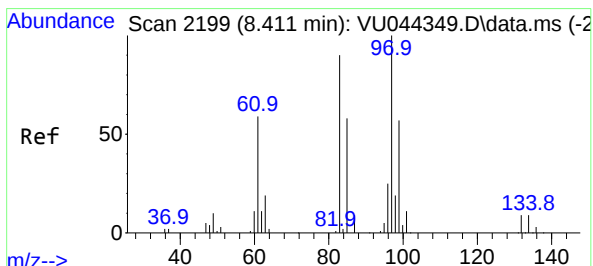
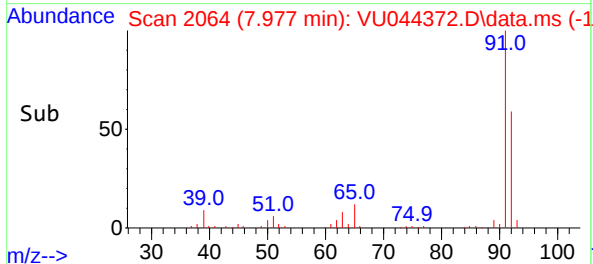
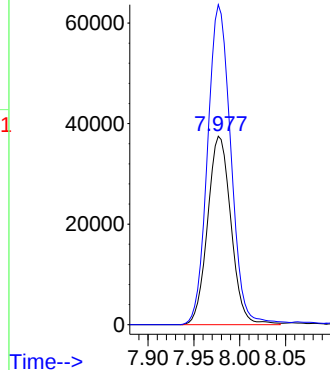
Ion Ratio Lower Upper

92 100

91 169.5 137.0 205.6



Abundance



#52

1,1,2-Trichloroethane

Concen: 1.369 ug/l

RT: 8.411 min Scan# 2199

Delta R.T. 0.000 min

Lab File: VU044372.D

Acq: 20 Jul 2021 17:11

Tgt Ion: 97 Resp: 15545

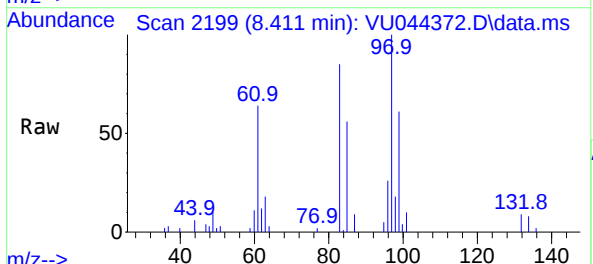
Ion Ratio Lower Upper

97 100

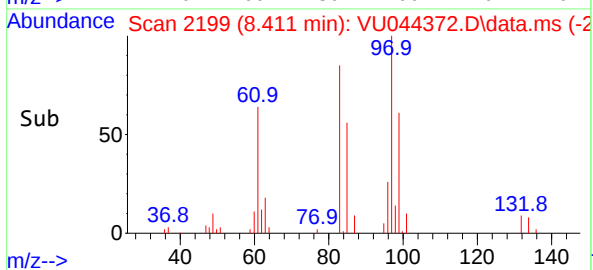
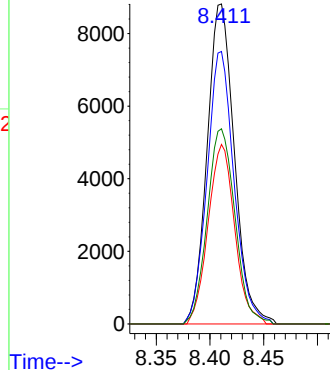
83 85.2 68.2 102.2

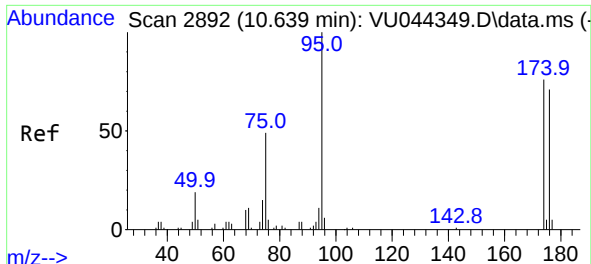
85 56.1 44.0 66.0

99 61.0 49.8 74.8



Abundance

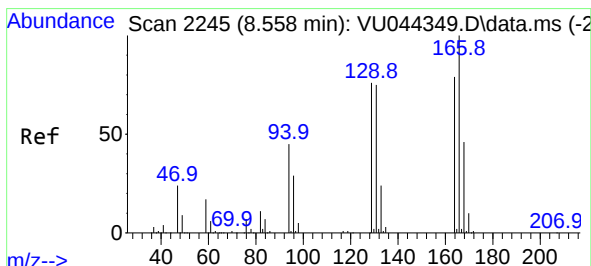
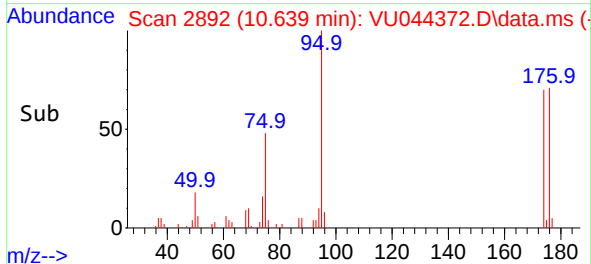
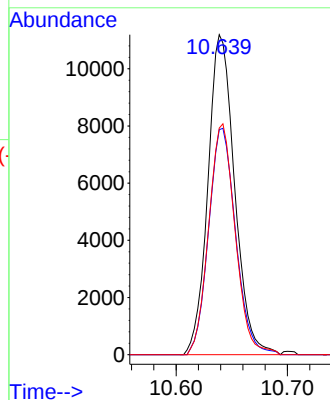
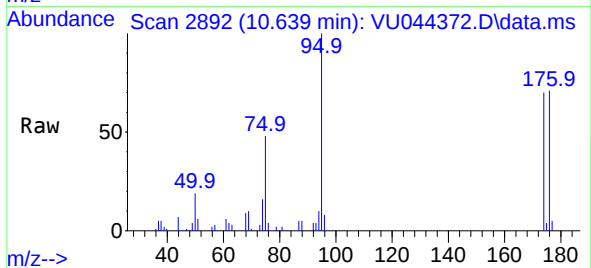




#57
4-Bromofluorobenzene
Concen: 0.932 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

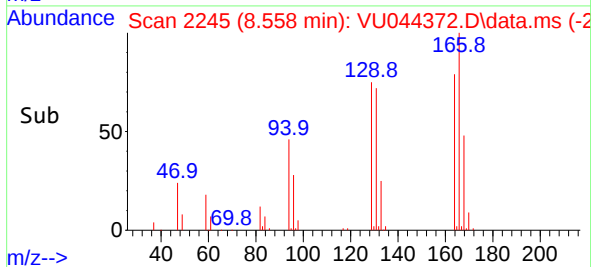
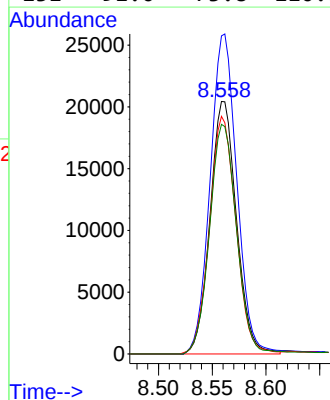
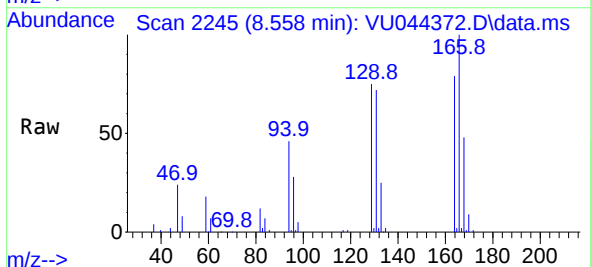
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

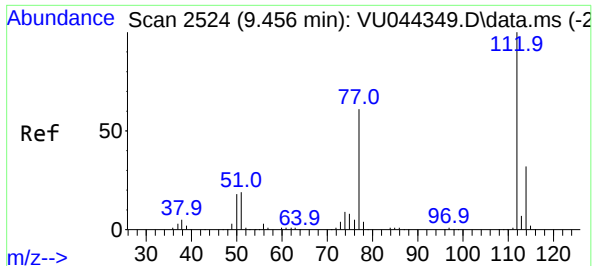
Tgt Ion:	95	Resp:	18669
Ion Ratio	Lower	Upper	
95	100		
174	71.6	62.2	93.2
176	71.5	60.3	90.5



#58
Tetrachloroethene
Concen: 2.796 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

Tgt Ion:	164	Resp:	35020
Ion Ratio	Lower	Upper	
164	100		
166	126.0	100.2	150.4
129	94.1	76.3	114.5
131	91.0	73.8	110.8





#59

Chlorobenzene

Concen: 3.793 ug/l

RT: 9.456 min Scan# 2524

Delta R.T. 0.000 min

Lab File: VU044372.D

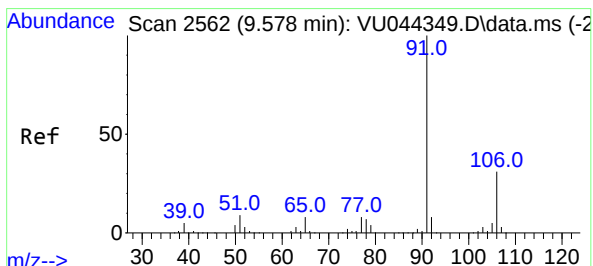
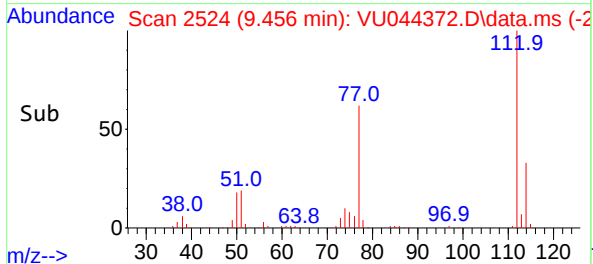
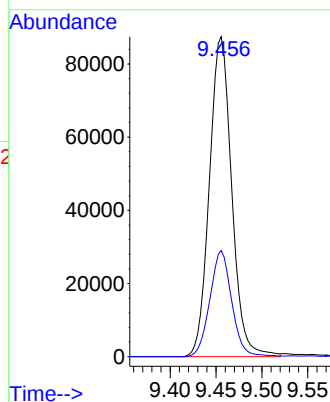
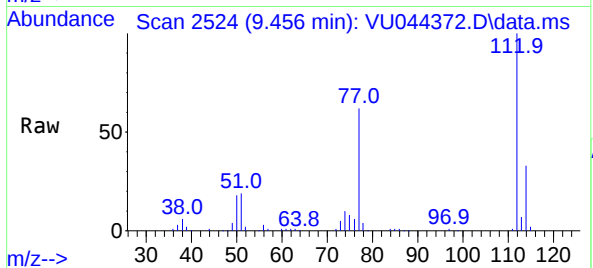
Acq: 20 Jul 2021 17:11

Tgt Ion:112 Resp: 148128

Ion Ratio Lower Upper

112 100

114 33.2 25.0 37.6



#63

Ethyl Benzene

Concen: 1.552 ug/l

RT: 9.578 min Scan# 2562

Delta R.T. 0.000 min

Lab File: VU044372.D

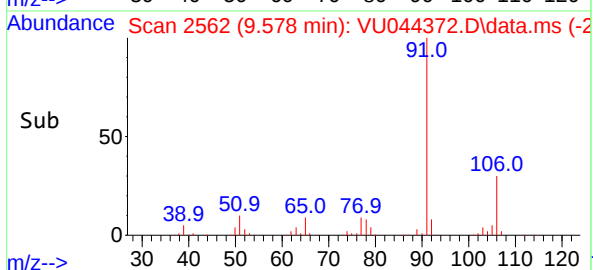
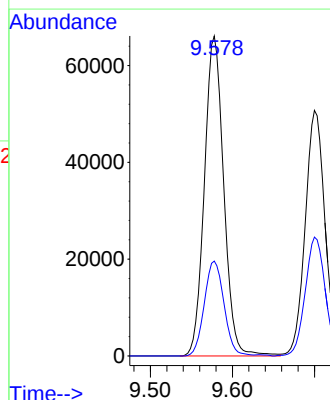
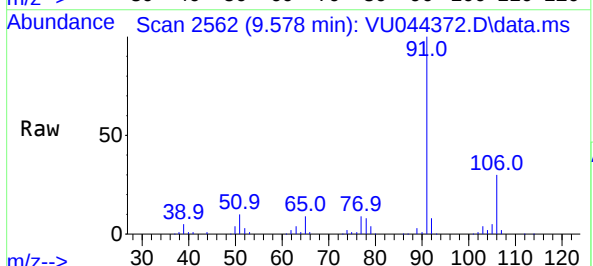
Acq: 20 Jul 2021 17:11

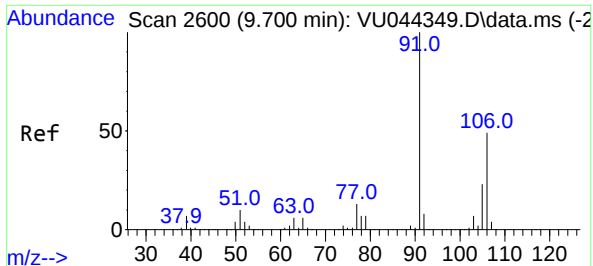
Tgt Ion: 91 Resp: 108311

Ion Ratio Lower Upper

91 100

106 29.7 24.6 37.0

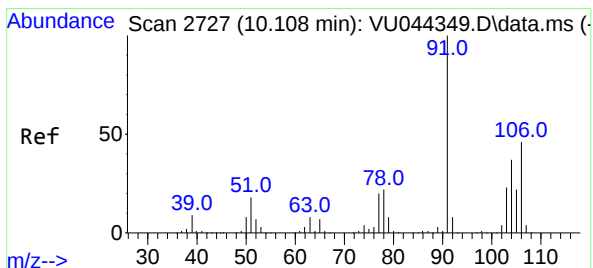
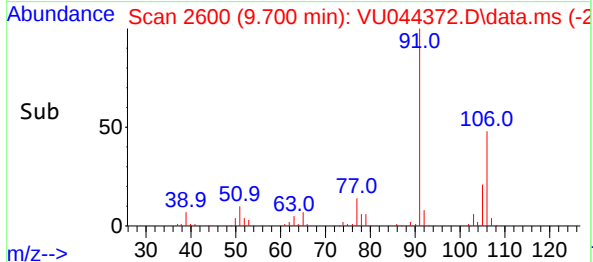
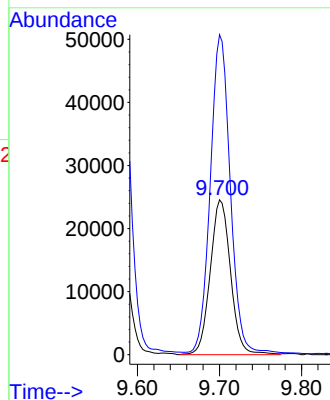
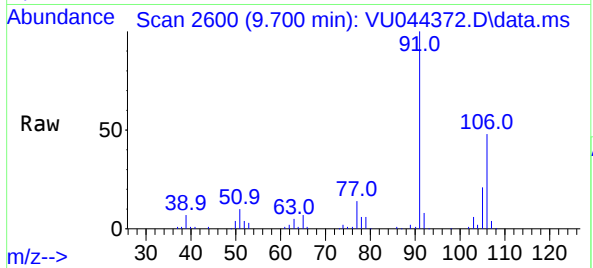




#64
m/p-Xylenes
Concen: 1.583 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

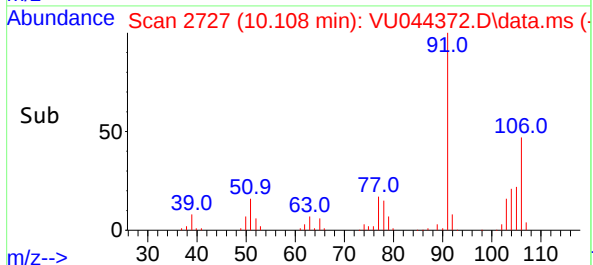
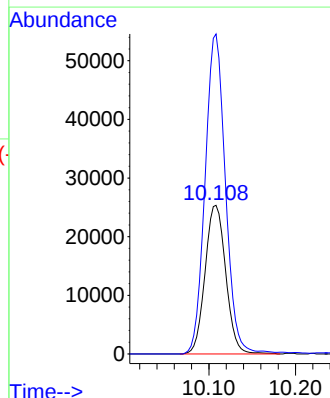
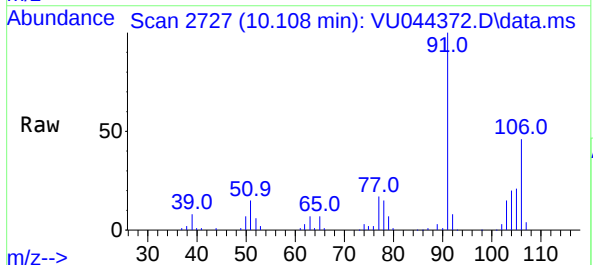
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

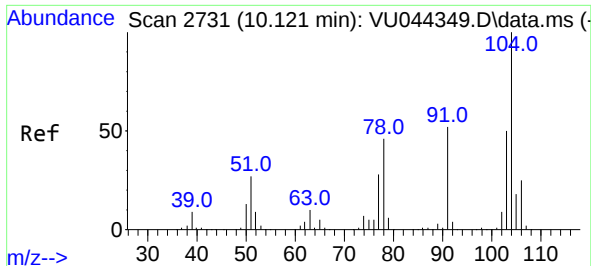
Tgt Ion:106 Resp: 42221
Ion Ratio Lower Upper
106 100
91 204.0 162.5 243.7



#65
o-Xylene
Concen: 1.634 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

Tgt Ion:106 Resp: 42057
Ion Ratio Lower Upper
106 100
91 210.6 108.2 324.6

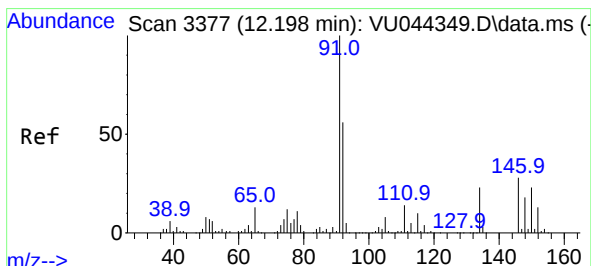
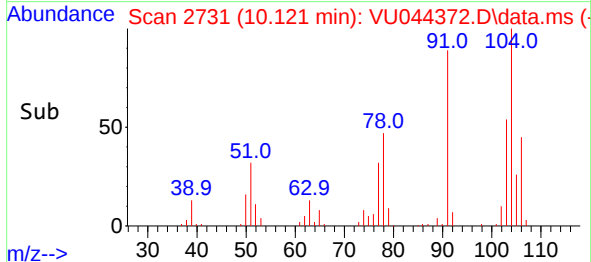
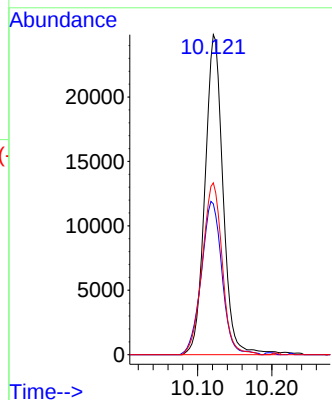
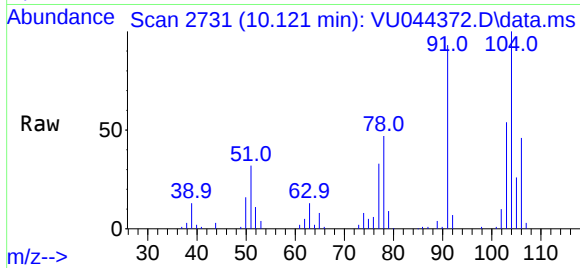




#66
Styrene
Concen: 0.947 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

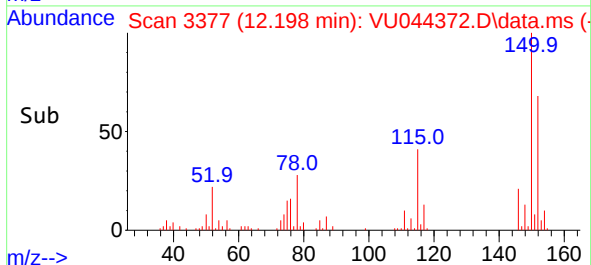
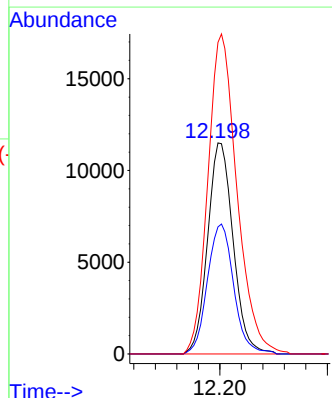
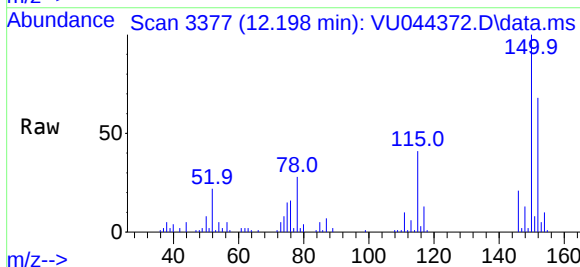
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

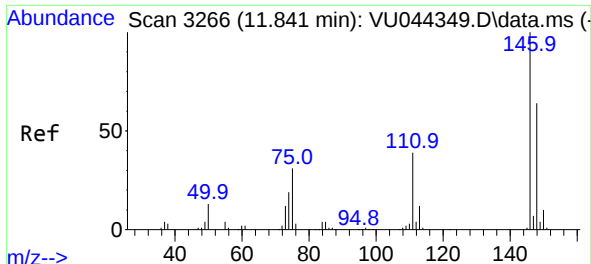
Tgt Ion:104	Resp:	41993
Ion Ratio	Lower	Upper
104	100	
78	54.5	41.6 62.4
103	59.0	43.3 64.9



#68
1,2-Dichlorobenzene-d4
Concen: 0.970 ug/l
RT: 12.198 min Scan# 3377
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

Tgt Ion:152	Resp:	18954
Ion Ratio	Lower	Upper
152	100	
115	63.3	0.0 257.0
150	172.5	0.0 630.2

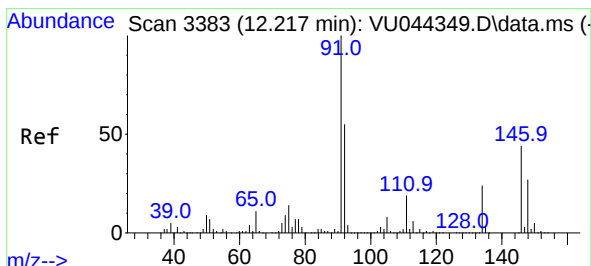
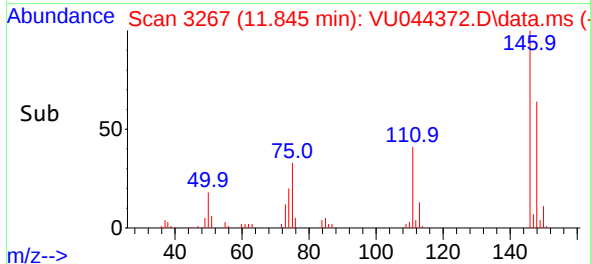
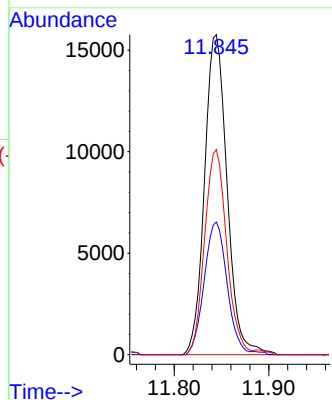
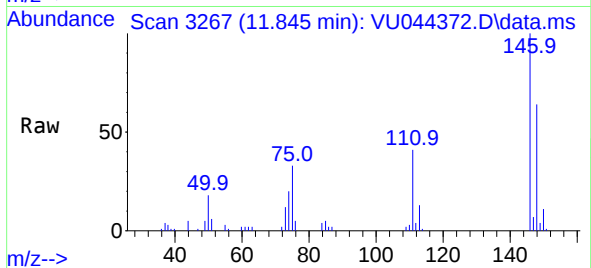




#83
1,4-Dichlorobenzene
Concen: 0.819 ug/l
RT: 11.845 min Scan# 3267
Delta R.T. 0.003 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

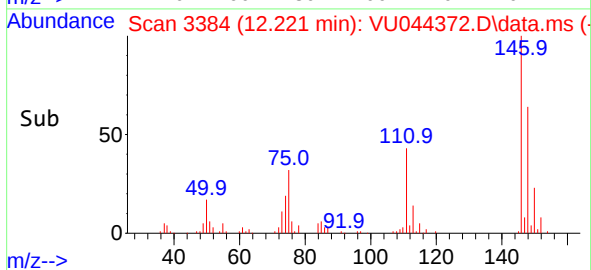
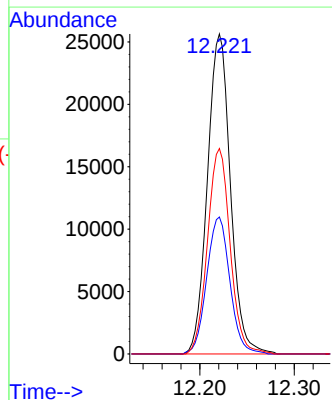
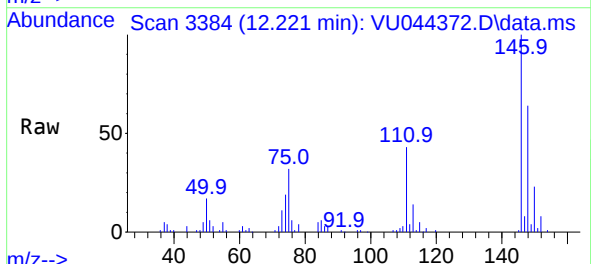
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

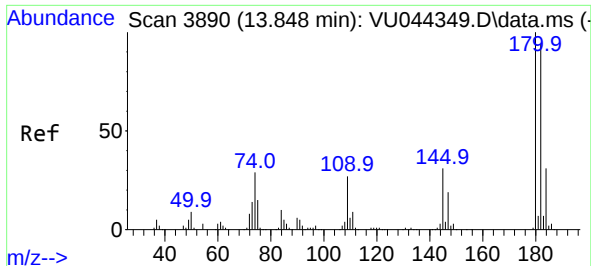
Tgt Ion:146 Resp: 26188
Ion Ratio Lower Upper
146 100
111 42.3 32.6 48.8
148 62.8 50.8 76.2



#85
1,2-Dichlorobenzene
Concen: 1.413 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. 0.003 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

Tgt Ion:146 Resp: 43352
Ion Ratio Lower Upper
146 100
111 43.2 21.6 64.6
148 63.4 31.9 95.7





#87
1,2,4-Trichlorobenzene
Concen: 3.528 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.000 min
Lab File: VU044372.D
Acq: 20 Jul 2021 17:11

Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

Tgt Ion:180 Resp: 76552
Ion Ratio Lower Upper
180 100
182 94.7 77.0 115.6
145 30.4 25.8 38.6

