

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
 Data File : VU052794.D
 Acq On : 24 Jan 2023 16:45
 Operator : JC/MD
 Sample : 01245-07DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WSDL

Quant Time: Jan 25 01:39:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

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

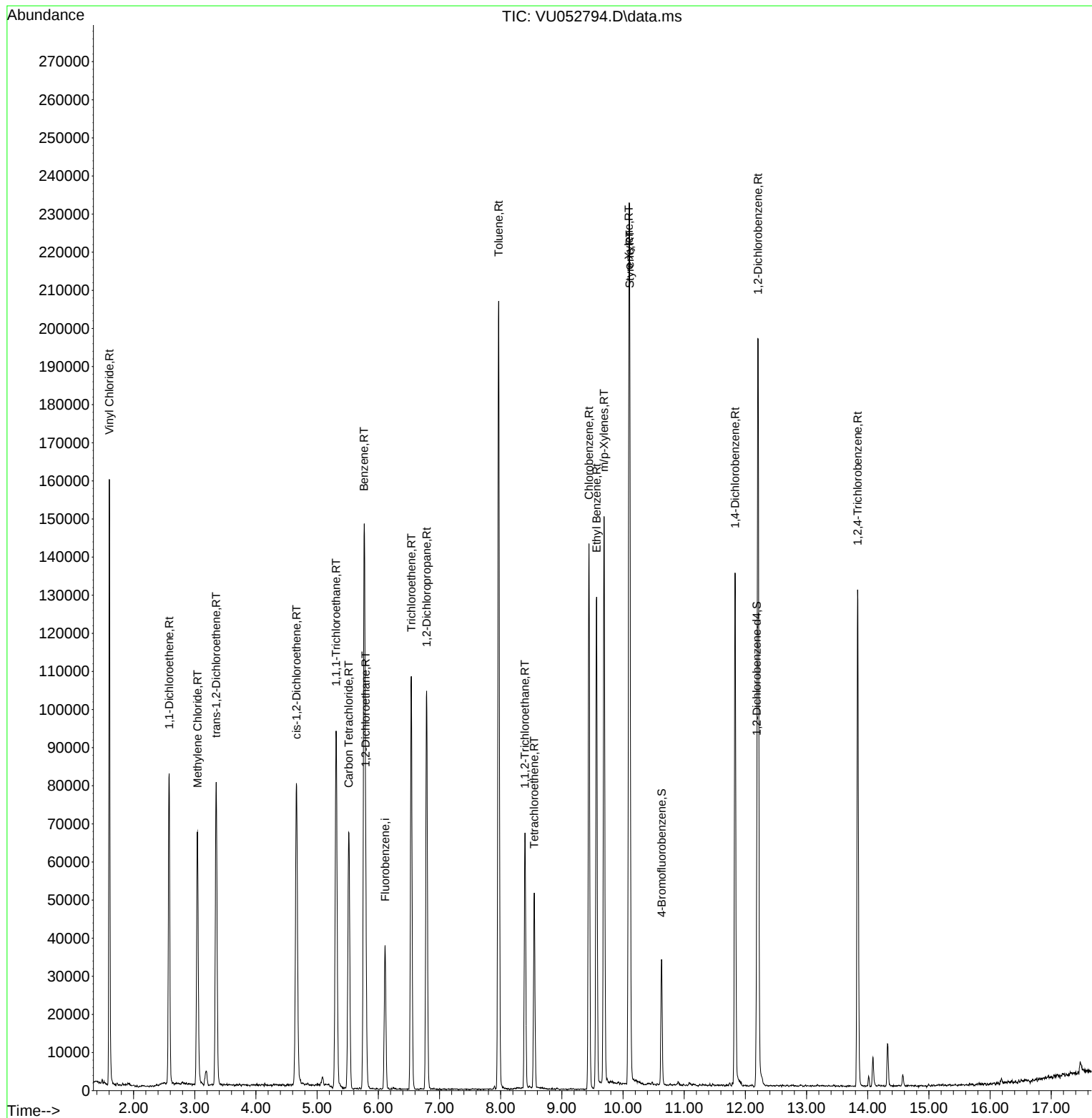
Internal Standards						
1) Fluorobenzene	6.112	96	35310	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	11117	0.947	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	11532	0.954	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.604	62	113389	10.355	ug/l	99
9) 1,1-Dichloroethene	2.581	96	29206	3.545	ug/l	98
15) Methylene Chloride	3.044	84	33857	3.402	ug/l	98
16) trans-1,2-Dichloroethene	3.350	96	35827	3.908	ug/l	96
22) cis-1,2-Dichloroethene	4.662	96	36856	3.847	ug/l	89
28) 1,1,1-Trichloroethane	5.311	97	69468	4.534	ug/l	99
30) Carbon Tetrachloride	5.517	117	48923	3.519	ug/l	97
35) Benzene	5.768	78	135343	3.611	ug/l	99
36) 1,2-Dichloroethane	5.793	62	39512	3.509	ug/l	100
37) Trichloroethene	6.539	130	37226	3.643	ug/l	99
38) 1,2-Dichloropropane	6.790	63	39874	4.193	ug/l	98
49) Toluene	7.967	92	90160	3.961	ug/l	100
52) 1,1,2-Trichloroethane	8.398	97	20049	2.929	ug/l	97
58) Tetrachloroethene	8.549	164	11612	1.259	ug/l	99
59) Chlorobenzene	9.443	112	76493	3.088	ug/l	97
63) Ethyl Benzene	9.568	91	86509	2.156	ug/l	100
64) m/p-Xylenes	9.690	106	42709	2.670	ug/l	99
65) o-Xylene	10.095	106	43683	2.830	ug/l	97
66) Styrene	10.112	104	73905	2.800	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	58040	2.838	ug/l	98
85) 1,2-Dichlorobenzene	12.208	146	82118	4.272	ug/l	98
87) 1,2,4-Trichlorobenzene	13.835	180	44023	3.819	ug/l	99

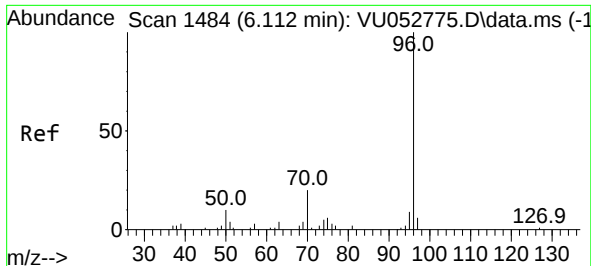
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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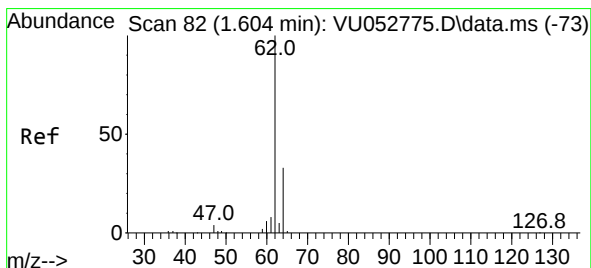
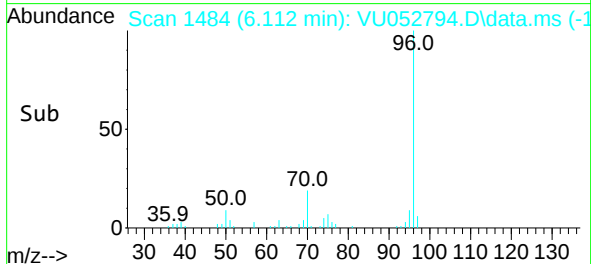
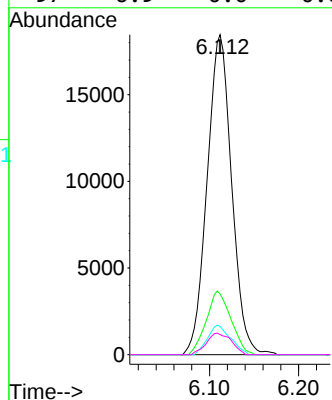
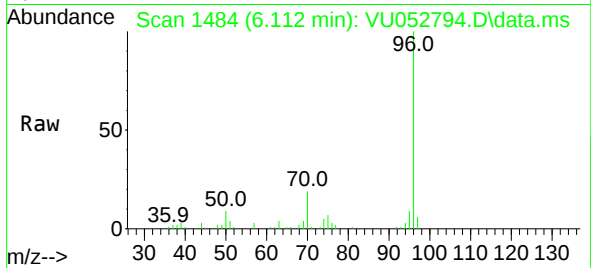




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

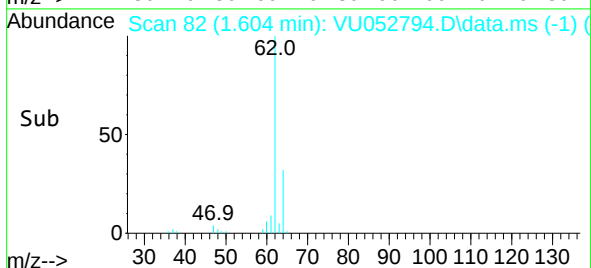
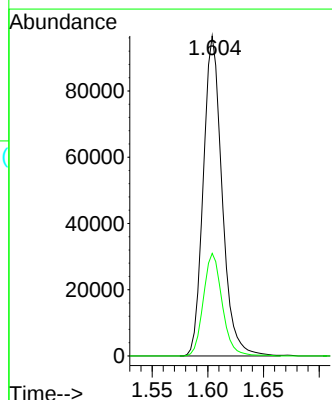
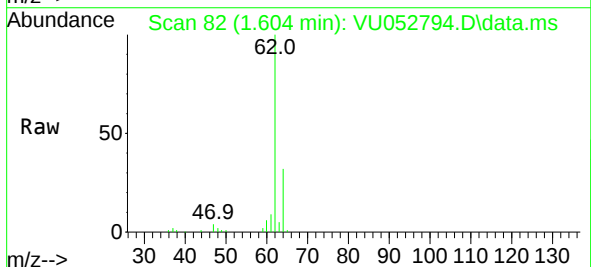
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

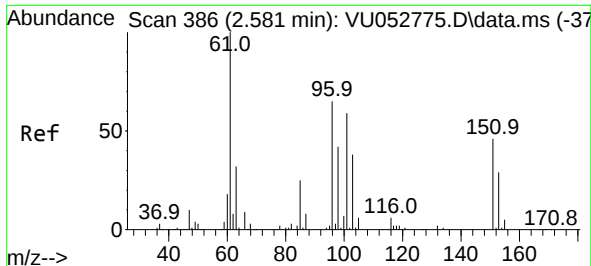
Tgt Ion: 96	Resp: 35310
Ion Ratio	Lower Upper
96 100	
70 19.9	16.2 24.4
95 8.6	7.4 11.0
97 6.9	0.0 0.0



#4
Vinyl Chloride
Concen: 10.355 ug/l
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

Tgt Ion: 62	Resp: 113389
Ion Ratio	Lower Upper
62 100	
64 32.0	26.0 39.0

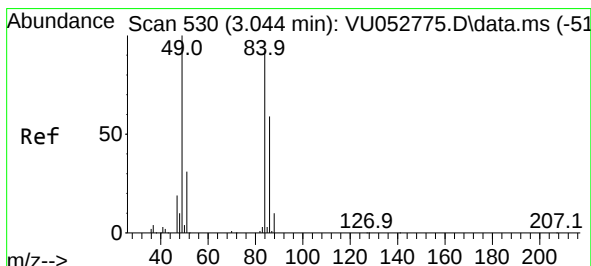
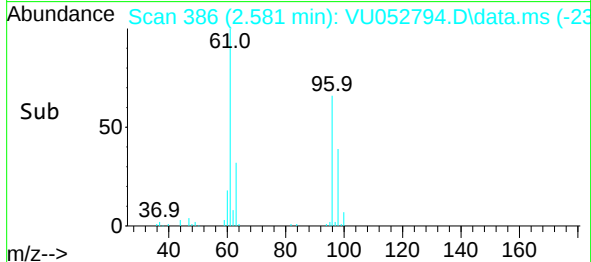
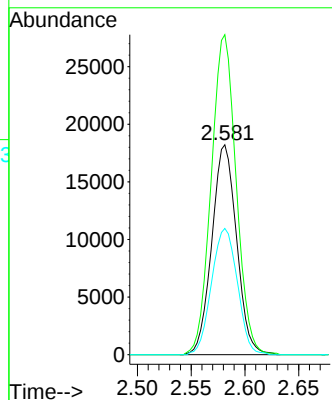
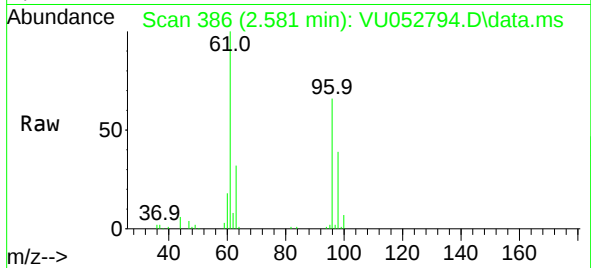




#9
1,1-Dichloroethene
Concen: 3.545 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

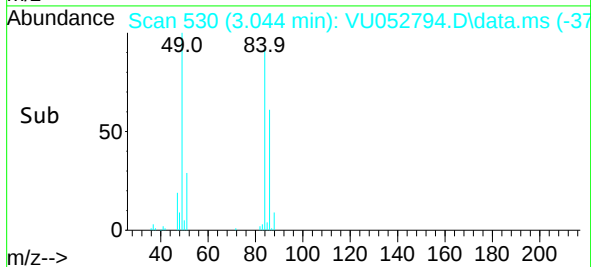
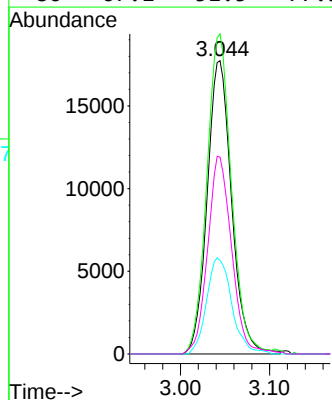
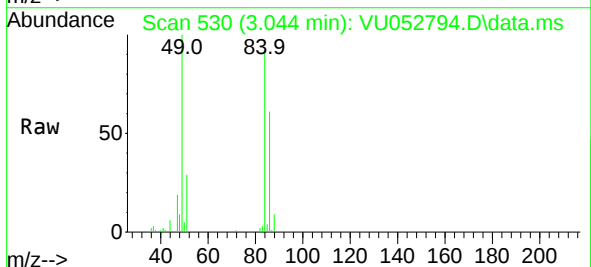
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

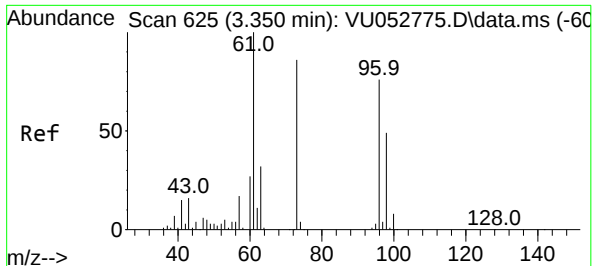
Tgt Ion: 96 Resp: 29206
Ion Ratio Lower Upper
96 100
61 152.4 0.0 460.5
98 60.1 0.0 128.0



#15
Methylene Chloride
Concen: 3.402 ug/l
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

Tgt Ion: 84 Resp: 33857
Ion Ratio Lower Upper
84 100
49 109.1 86.7 130.1
51 31.9 0.0 66.8
86 67.1 51.5 77.3

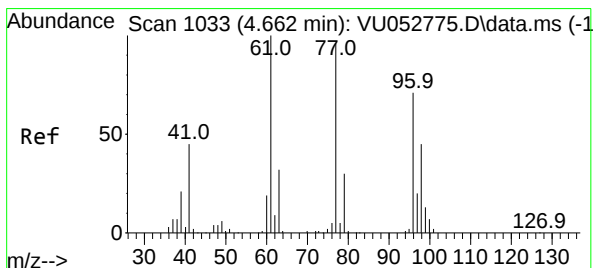
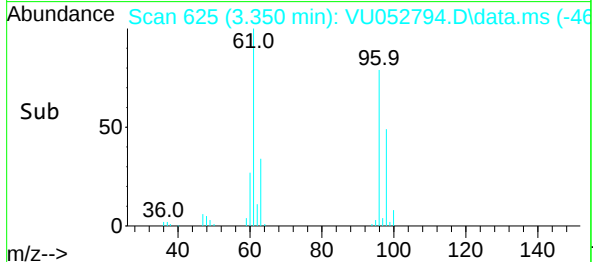
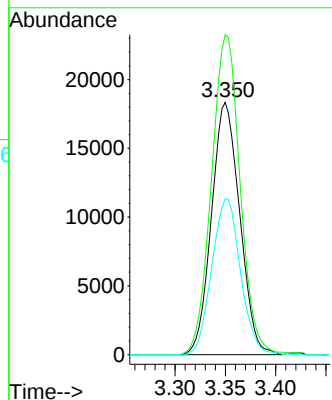
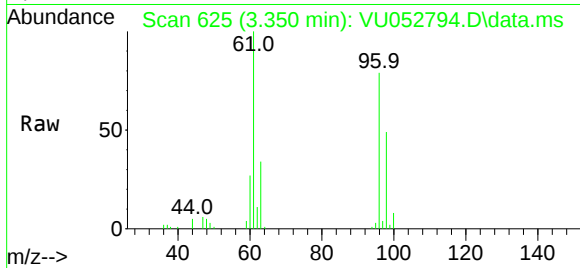




#16
trans-1,2-Dichloroethene
Concen: 3.908 ug/l
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

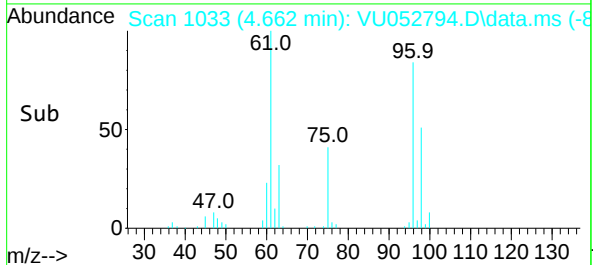
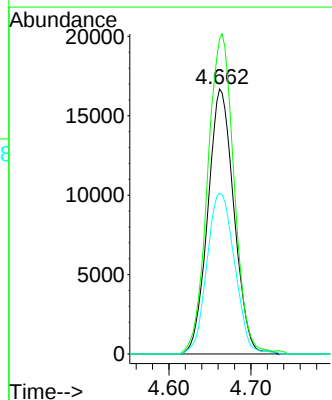
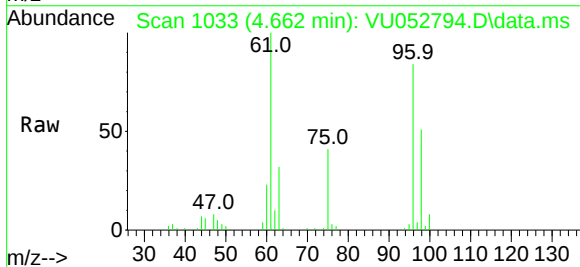
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

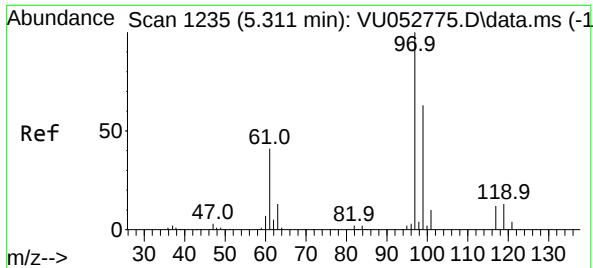
Tgt Ion: 96 Resp: 35827
Ion Ratio Lower Upper
96 100
61 126.8 105.7 158.5
98 61.8 51.4 77.2



#22
cis-1,2-Dichloroethene
Concen: 3.847 ug/l
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

Tgt Ion: 96 Resp: 36856
Ion Ratio Lower Upper
96 100
61 121.9 0.0 353.3
98 64.5 32.6 97.7

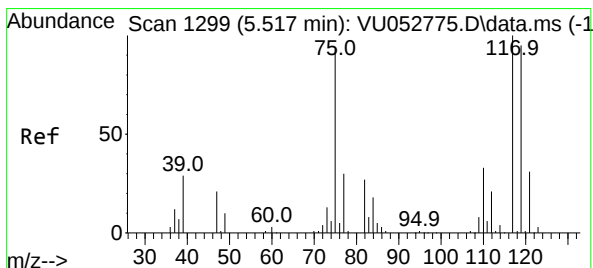
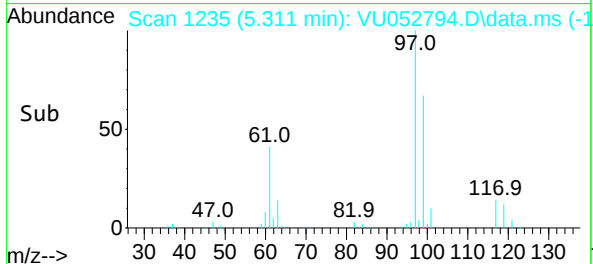
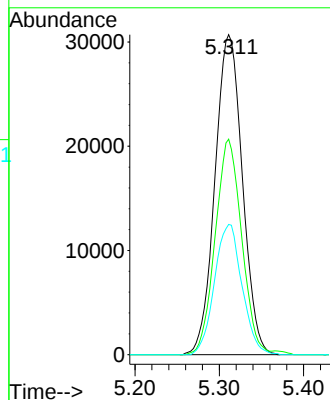
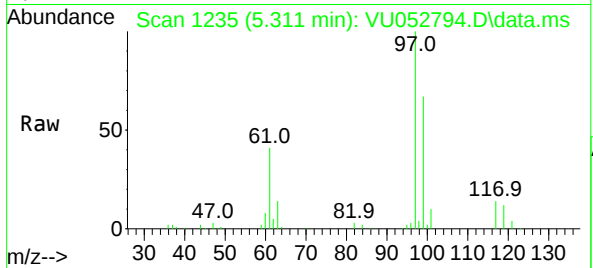




#28
1,1,1-Trichloroethane
Concen: 4.534 ug/l
RT: 5.311 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

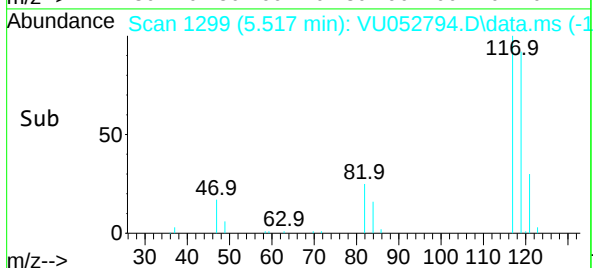
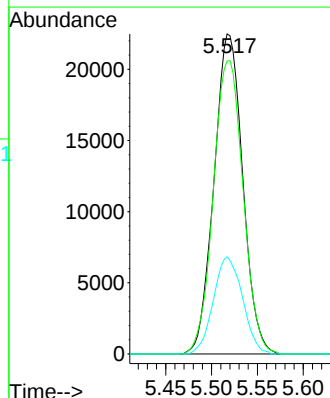
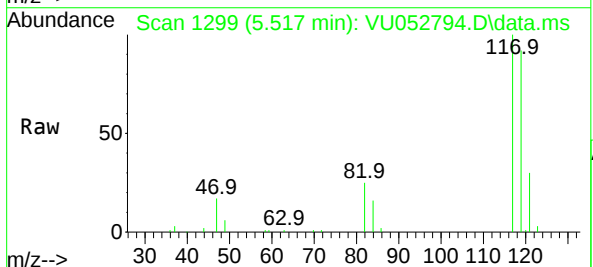
Instrument :
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ClientSampleId :
PT-RVOA-WSDL

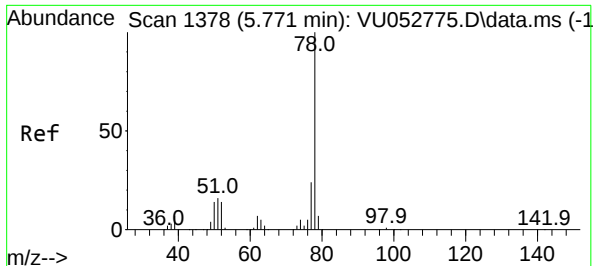
Tgt Ion: 97	Resp: 69468
Ion Ratio	Lower Upper
97 100	
99 65.0	31.9 95.5
61 40.8	20.8 62.2



#30
Carbon Tetrachloride
Concen: 3.519 ug/l
RT: 5.517 min Scan# 1299
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

Tgt Ion:117	Resp:	48923	
Ion	Ratio	Lower	Upper
117	100		
119	91.5	76.4	114.6
121	30.4	25.0	37.6

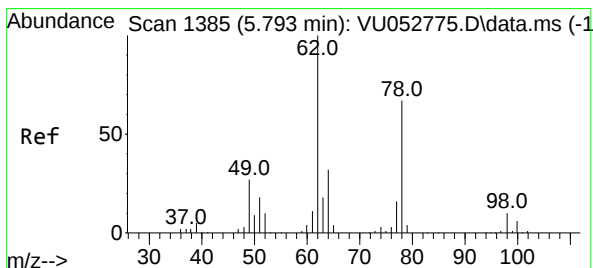
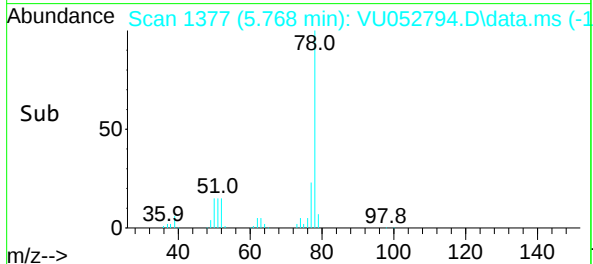
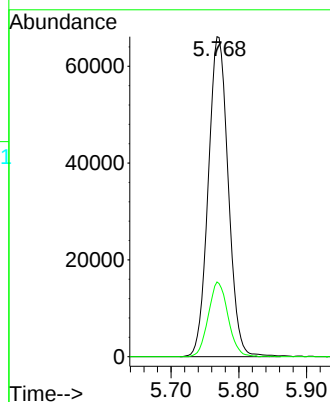
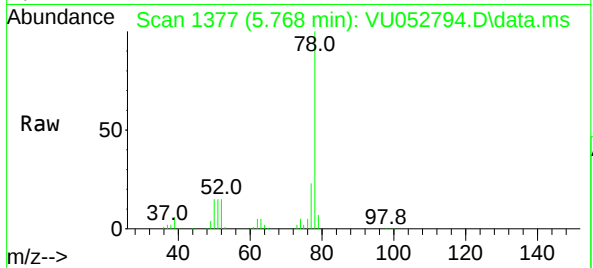




#35
Benzene
Concen: 3.611 ug/l
RT: 5.768 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

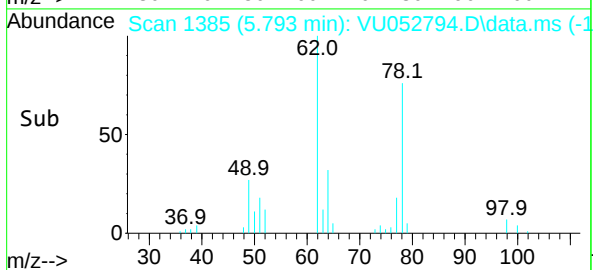
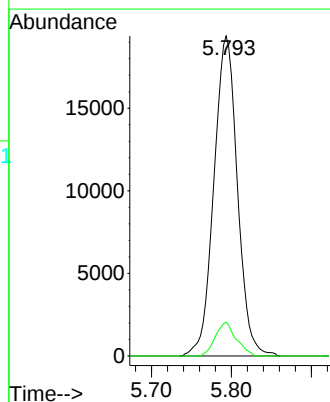
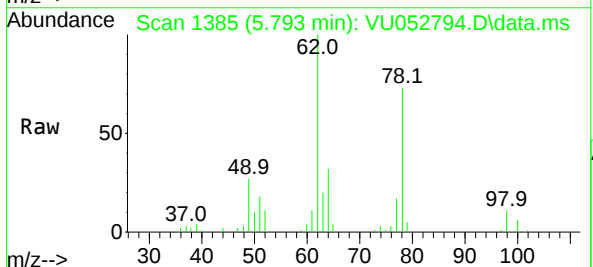
Instrument :
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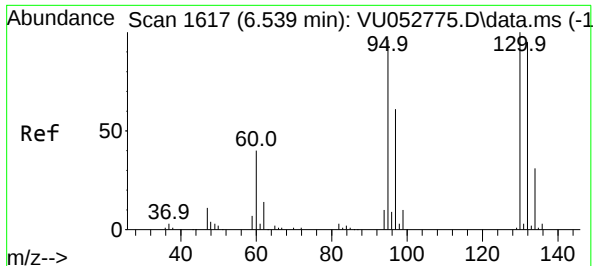
Tgt Ion: 78 Resp: 135343
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4



#36
1,2-Dichloroethane
Concen: 3.509 ug/l
RT: 5.793 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

Tgt Ion: 62 Resp: 39512
Ion Ratio Lower Upper
62 100
98 9.3 7.5 11.3





#37

Trichloroethene

Concen: 3.643 ug/l

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052794.D

Acq: 24 Jan 2023 16:45

Instrument :

MSVOA_U

ClientSampleId :

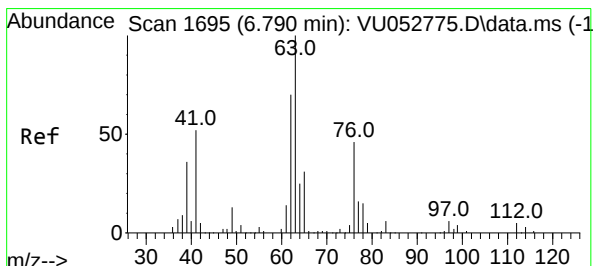
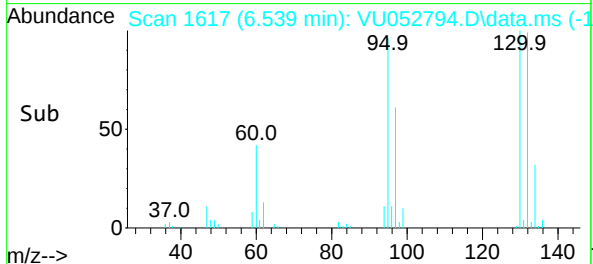
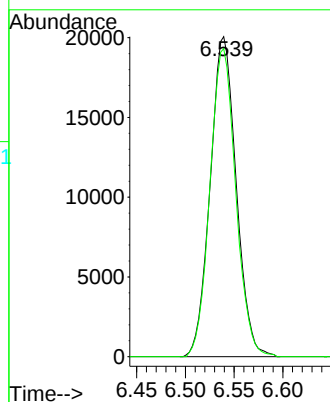
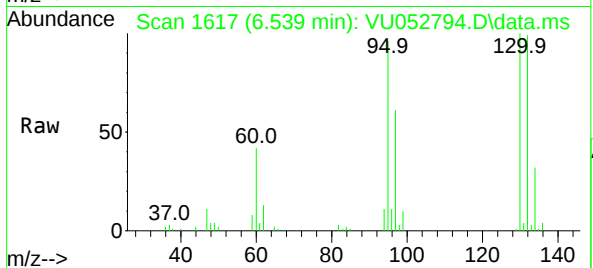
PT-RVOA-WSDL

Tgt Ion:130 Resp: 37226

Ion Ratio Lower Upper

130 100

95 96.3 76.6 114.8



#38

1,2-Dichloropropane

Concen: 4.193 ug/l

RT: 6.790 min Scan# 1695

Delta R.T. 0.000 min

Lab File: VU052794.D

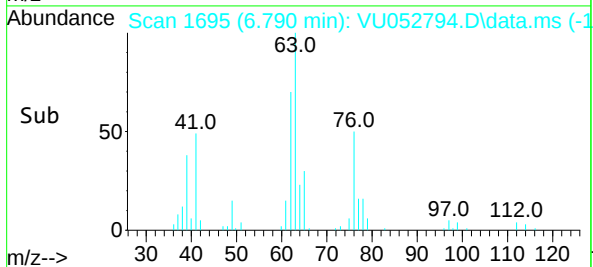
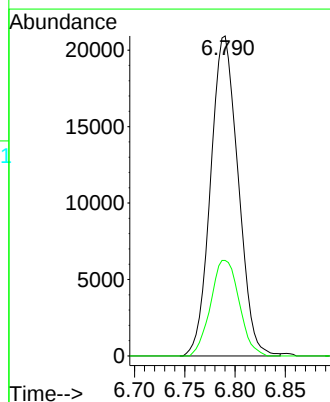
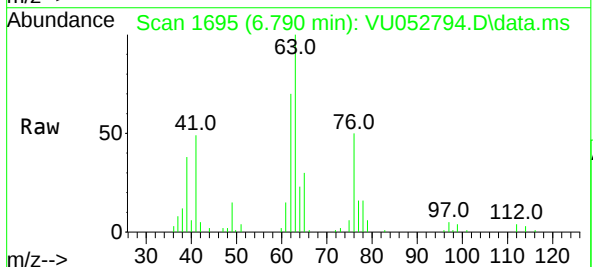
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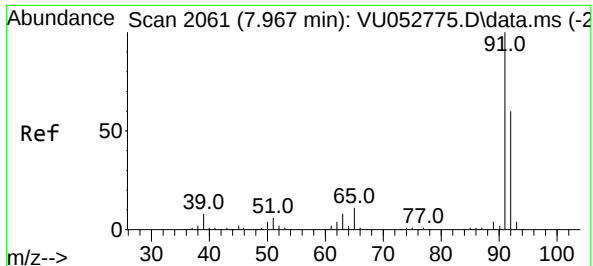
Tgt Ion: 63 Resp: 39874

Ion Ratio Lower Upper

63 100

65 29.9 24.6 36.8





#49

Toluene

Concen: 3.961 ug/l

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052794.D

Acq: 24 Jan 2023 16:45

Instrument :

MSVOA_U

ClientSampleId :

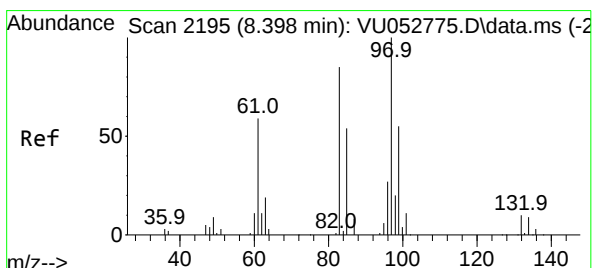
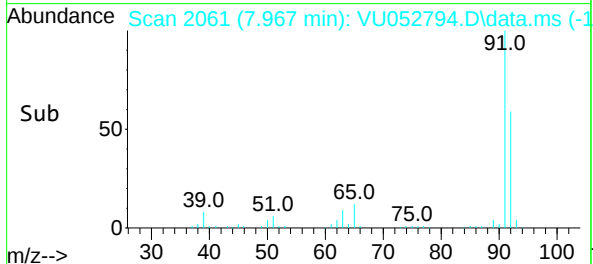
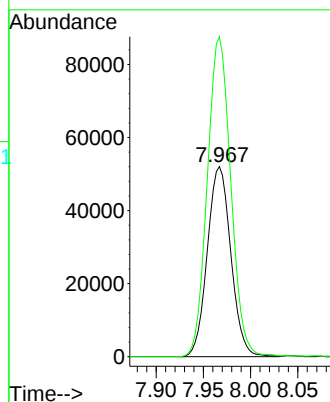
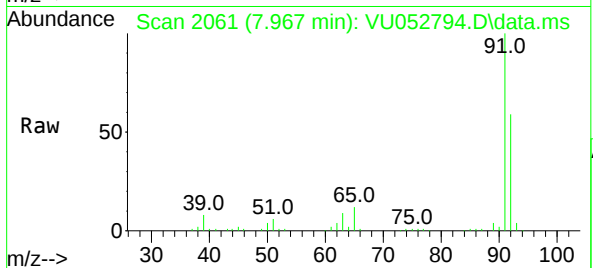
PT-RVOA-WSDL

Tgt Ion: 92 Resp: 90160

Ion Ratio Lower Upper

92 100

91 167.9 133.8 200.8



#52

1,1,2-Trichloroethane

Concen: 2.929 ug/l

RT: 8.398 min Scan# 2195

Delta R.T. 0.000 min

Lab File: VU052794.D

Acq: 24 Jan 2023 16:45

Tgt Ion: 97 Resp: 20049

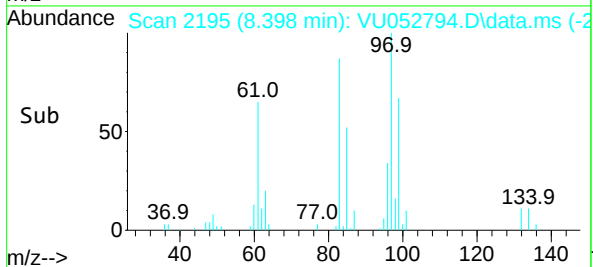
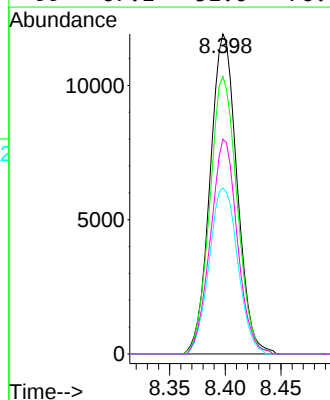
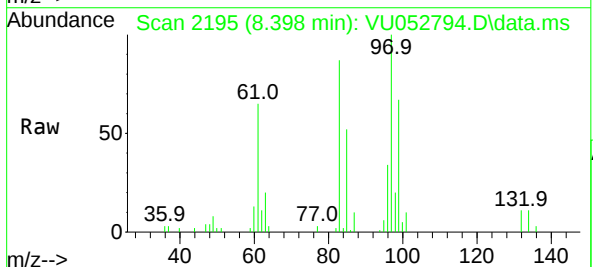
Ion Ratio Lower Upper

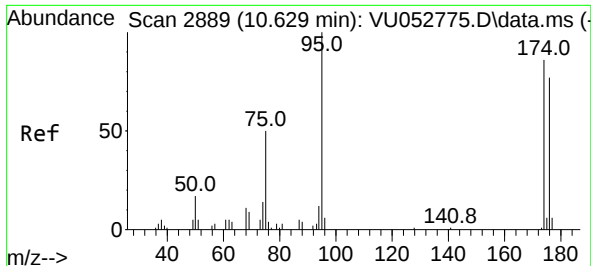
97 100

83 86.7 68.2 102.2

85 51.9 44.5 66.7

99 67.1 51.0 76.4

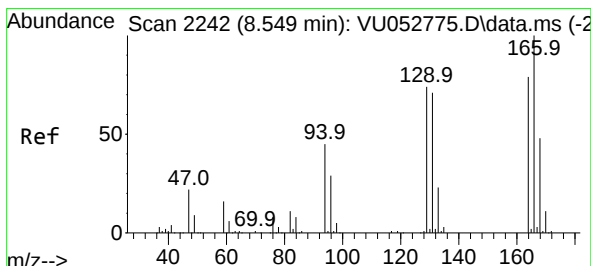
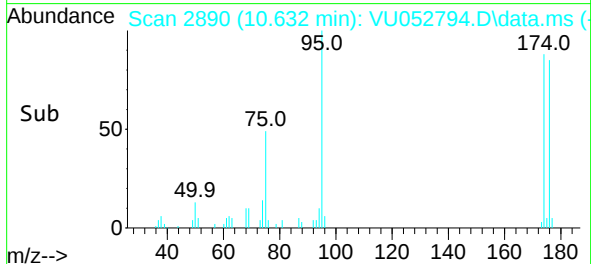
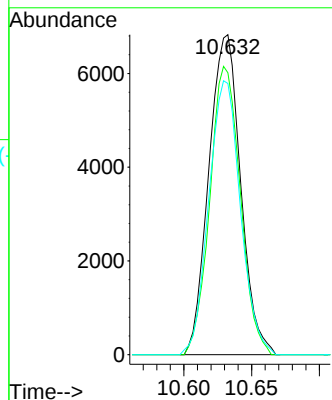
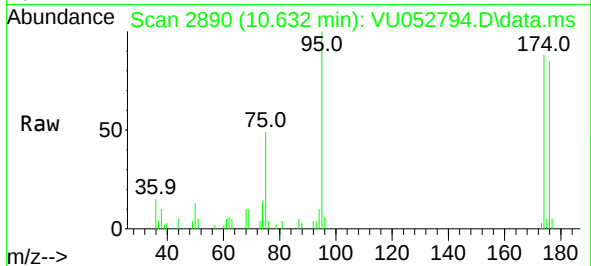




#57
4-Bromofluorobenzene
Concen: 0.947 ug/l
RT: 10.632 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

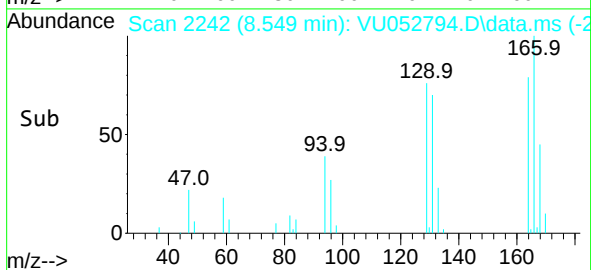
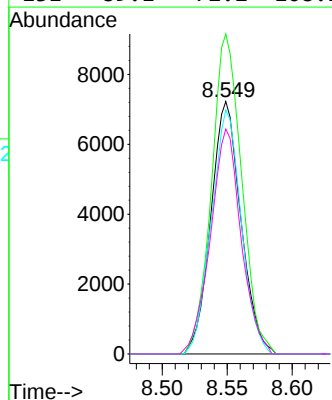
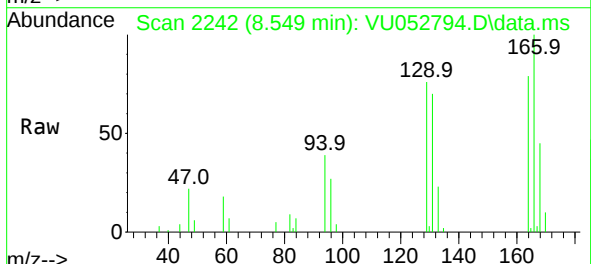
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

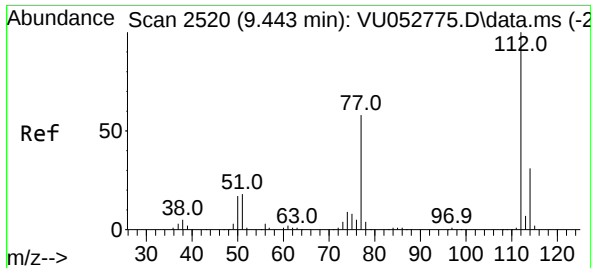
Tgt Ion: 95	Resp: 11117
Ion Ratio	Lower Upper
95	100
174	86.6 66.9 100.3
176	85.3 61.9 92.9



#58
Tetrachloroethene
Concen: 1.259 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

Tgt Ion: 164	Resp: 11612
Ion Ratio	Lower Upper
164	100
166	126.8 101.5 152.3
129	96.6 75.2 112.8
131	89.1 72.2 108.2

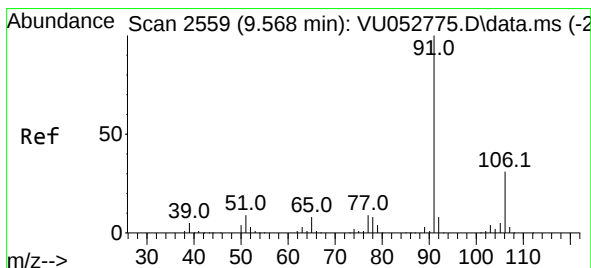
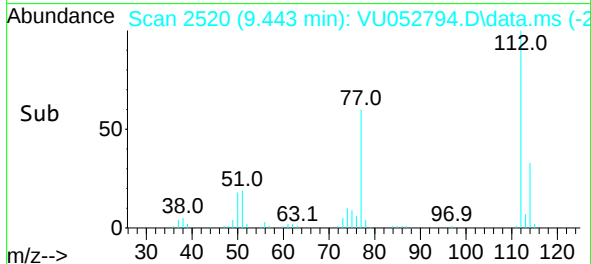
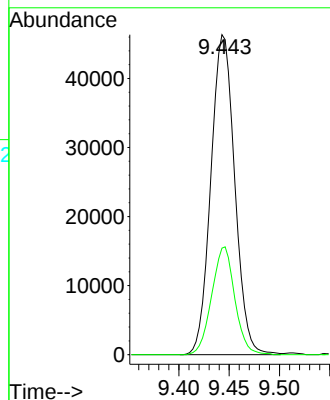
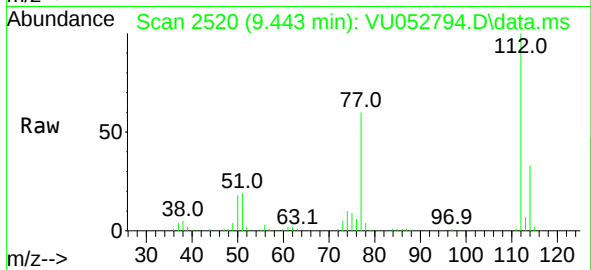




#59
Chlorobenzene
Concen: 3.088 ug/l
RT: 9.443 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

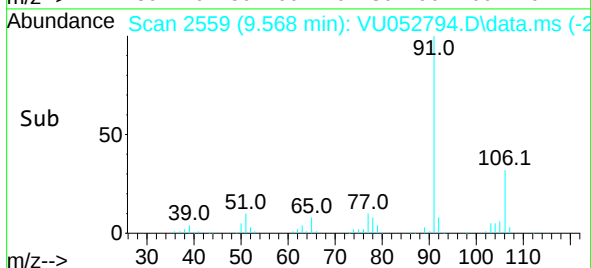
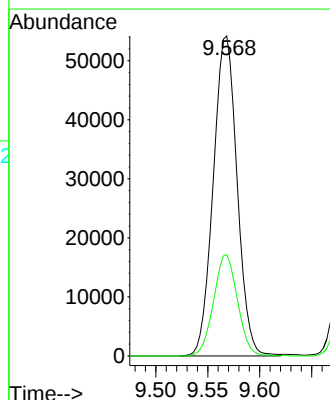
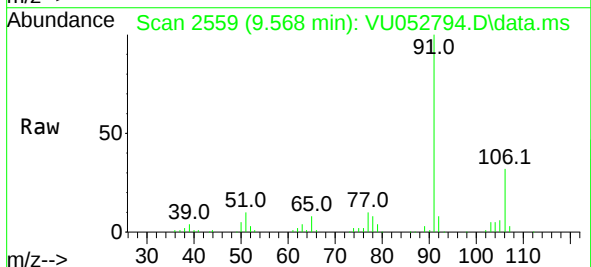
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

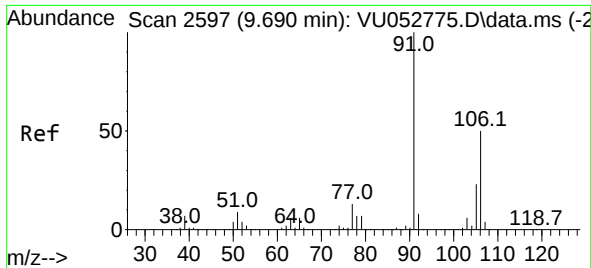
Tgt Ion:112 Resp: 76493
Ion Ratio Lower Upper
112 100
114 33.3 25.2 37.8



#63
Ethyl Benzene
Concen: 2.156 ug/l
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

Tgt Ion: 91 Resp: 86509
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7

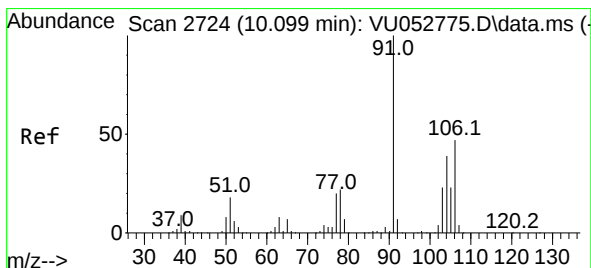
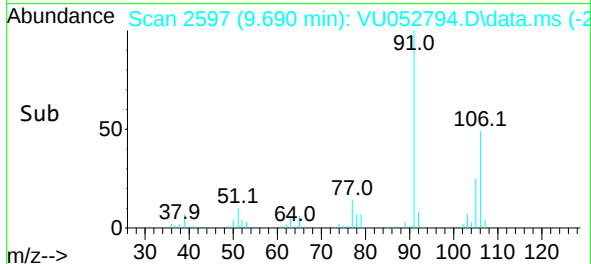
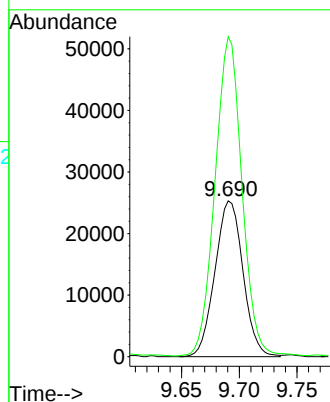
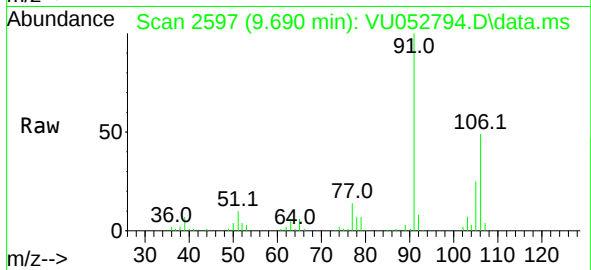




#64
m/p-Xylenes
Concen: 2.670 ug/l
RT: 9.690 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

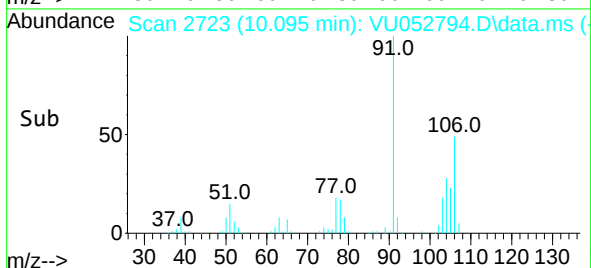
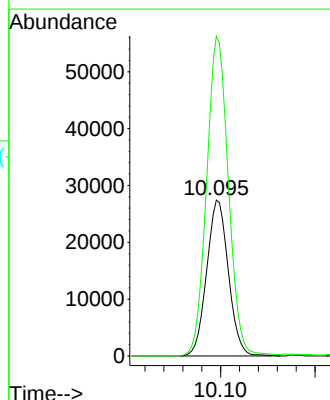
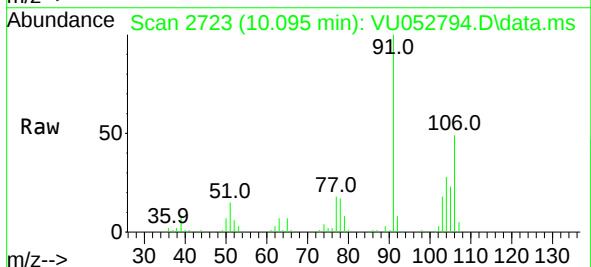
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

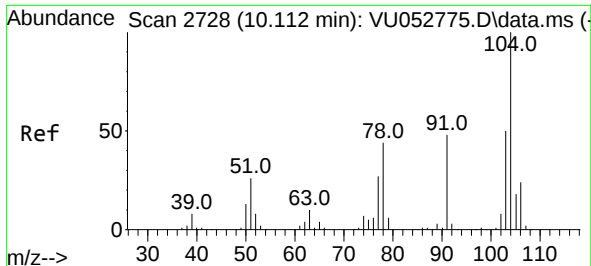
Tgt Ion:106 Resp: 42709
Ion Ratio Lower Upper
106 100
91 196.6 158.7 238.1



#65
o-Xylene
Concen: 2.830 ug/l
RT: 10.095 min Scan# 2723
Delta R.T. -0.004 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

Tgt Ion:106 Resp: 43683
Ion Ratio Lower Upper
106 100
91 206.2 105.6 316.8

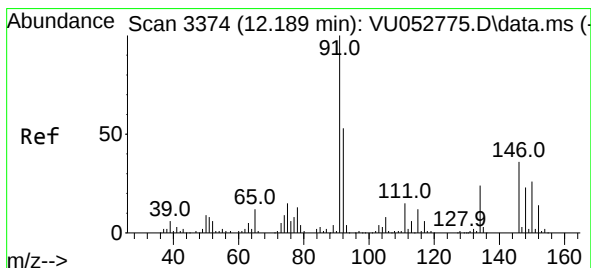
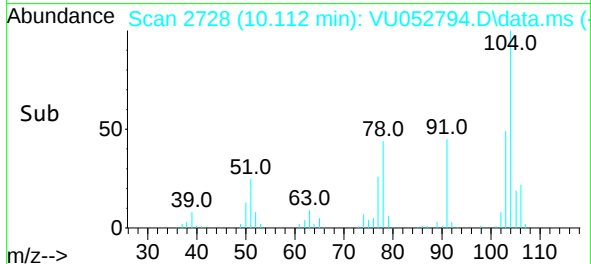
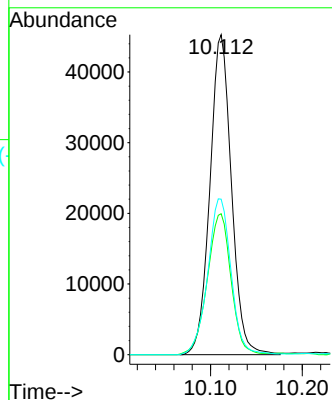
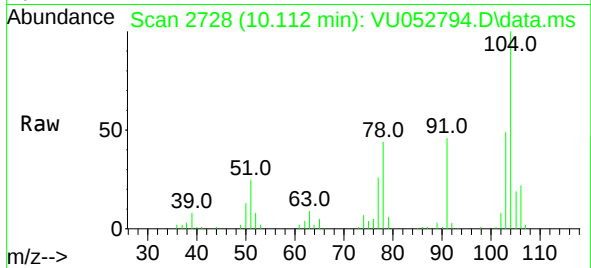




#66
 Styrene
 Concen: 2.800 ug/l
 RT: 10.112 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU052794.D
 Acq: 24 Jan 2023 16:45

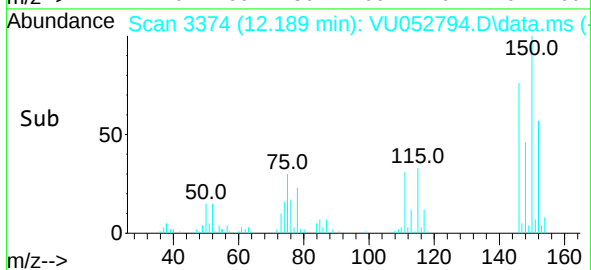
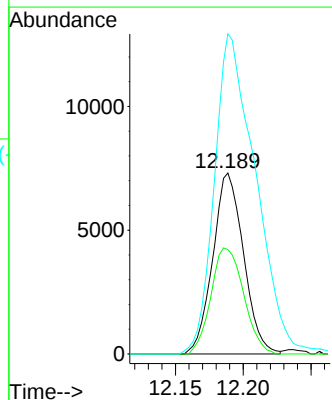
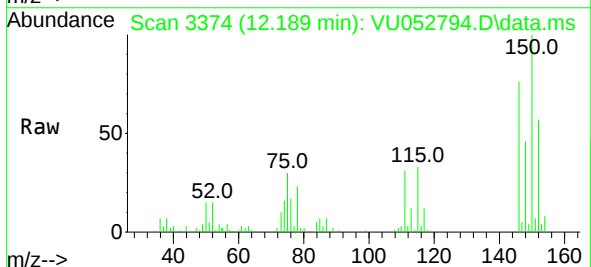
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WSDL

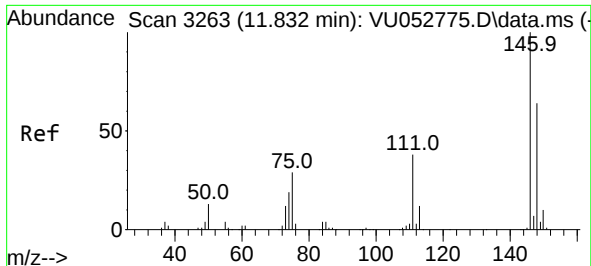
Tgt Ion:104 Resp: 73905
 Ion Ratio Lower Upper
 104 100
 78 48.5 39.6 59.4
 103 52.8 42.9 64.3



#68
 1,2-Dichlorobenzene-d4
 Concen: 0.954 ug/l
 RT: 12.189 min Scan# 3374
 Delta R.T. 0.000 min
 Lab File: VU052794.D
 Acq: 24 Jan 2023 16:45

Tgt Ion:152 Resp: 11532
 Ion Ratio Lower Upper
 152 100
 115 62.2 0.0 262.6
 150 237.1 0.0 638.0

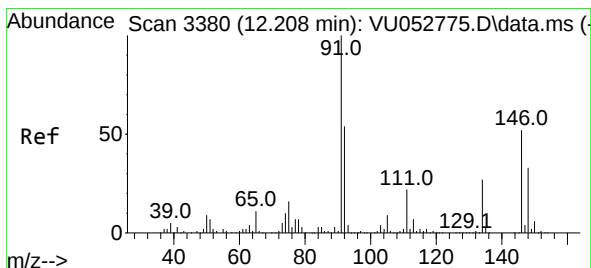
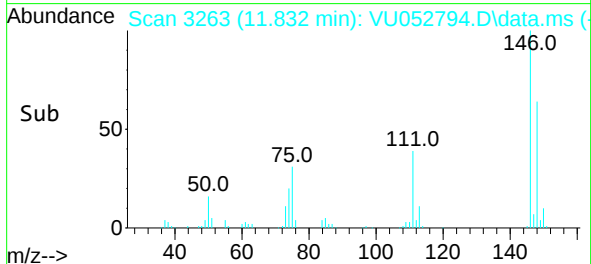
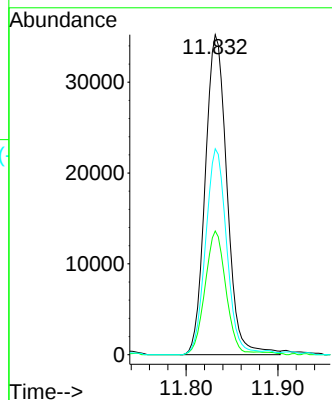
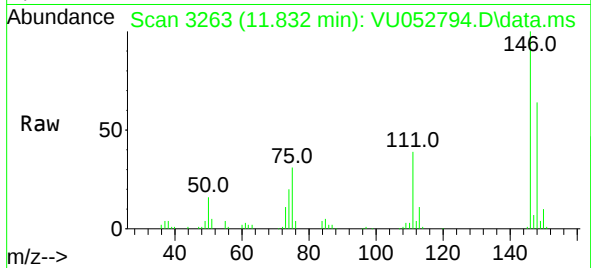




#83
1,4-Dichlorobenzene
Concen: 2.838 ug/l
RT: 11.832 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

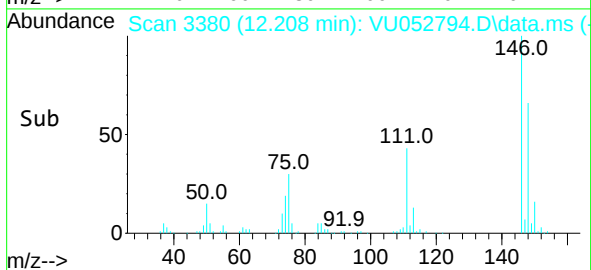
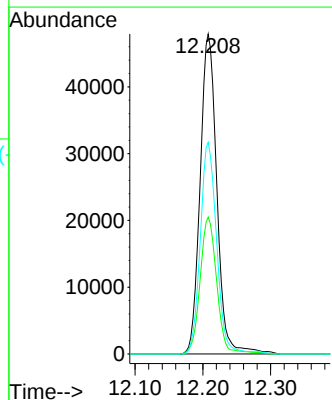
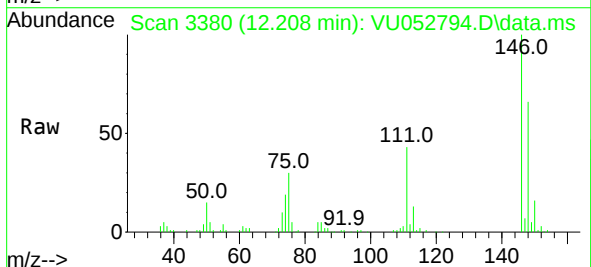
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

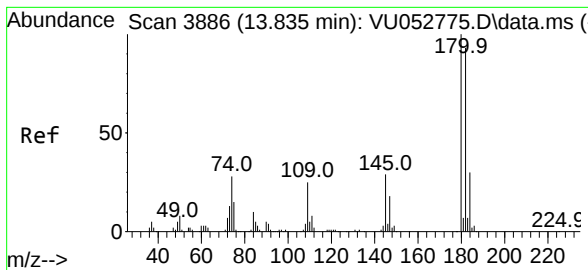
Tgt Ion:146 Resp: 58040
Ion Ratio Lower Upper
146 100
111 37.1 29.5 44.3
148 62.4 51.4 77.0



#85
1,2-Dichlorobenzene
Concen: 4.272 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU052794.D
Acq: 24 Jan 2023 16:45

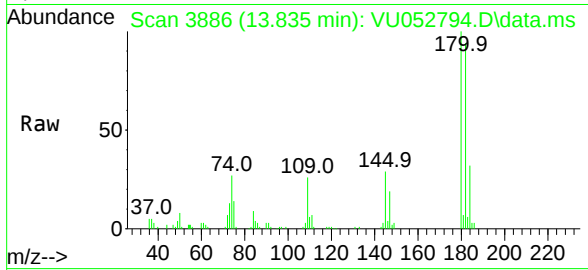
Tgt Ion:146 Resp: 82118
Ion Ratio Lower Upper
146 100
111 42.6 20.8 62.5
148 64.5 31.4 94.2





#87
 1,2,4-Trichlorobenzene
 Concen: 3.819 ug/l
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU052794.D
 Acq: 24 Jan 2023 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WSDL



Tgt Ion:180 Resp: 44023
 Ion Ratio Lower Upper
 180 100
 182 94.1 74.6 112.0
 145 29.2 23.4 35.0

