

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
 Data File : VU063238.D
 Acq On : 11 Feb 2025 16:11
 Operator : MD/SY
 Sample : Q1172-07DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WSDL

Quant Time: Feb 12 03:20:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 08:42:19 2025
 Response via : Initial Calibration

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

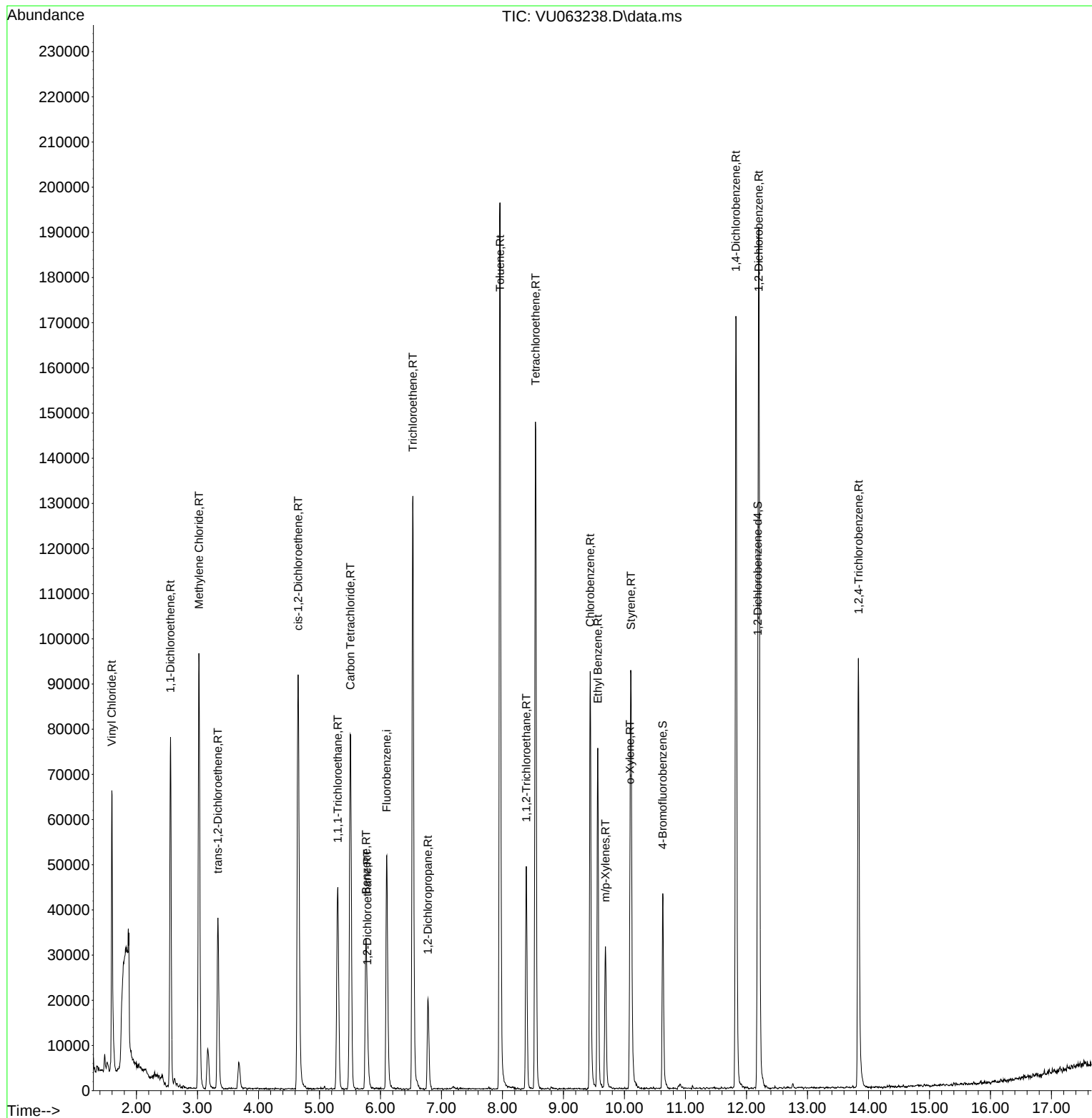
Internal Standards						
1) Fluorobenzene	6.100	96	48972	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	16177	1.001	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	16834	1.002	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.596	62	50988	2.812	ug/l	99
9) 1,1-Dichloroethene	2.557	96	26747	2.153	ug/l	96
15) Methylene Chloride	3.023	84	46007	2.997	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	16863	1.189	ug/l	91
22) cis-1,2-Dichloroethene	4.650	96	51055	3.332	ug/l	88
28) 1,1,1-Trichloroethane	5.300	97	33252	1.522	ug/l	98
30) Carbon Tetrachloride	5.505	117	54719	2.920	ug/l	97
35) Benzene	5.763	78	32304	0.537	ug/l	96
36) 1,2-Dichloroethane	5.785	62	8410	0.484	ug/l	98
37) Trichloroethene	6.531	130	45549	3.183	ug/l	97
38) 1,2-Dichloropropane	6.779	63	8432	0.535	ug/l	96
49) Toluene	7.959	92	82274	2.378	ug/l	95
52) 1,1,2-Trichloroethane	8.390	97	16006	1.489	ug/l	95
58) Tetrachloroethene	8.544	164	33312	2.825	ug/l	97
59) Chlorobenzene	9.438	112	50719	1.389	ug/l	98
63) Ethyl Benzene	9.563	91	55334	0.879	ug/l	98
64) m/p-Xylenes	9.689	106	10293	0.438	ug/l	91
65) o-Xylene	10.090	106	10322	0.448	ug/l	98
66) Styrene	10.107	104	42840	1.169	ug/l	96
83) 1,4-Dichlorobenzene	11.827	146	74144	2.679	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	74314	2.733	ug/l	99
87) 1,2,4-Trichlorobenzene	13.836	180	34525	2.603	ug/l	98

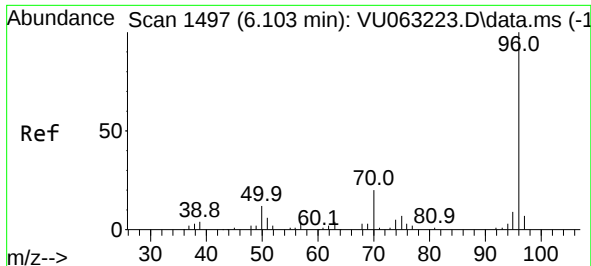
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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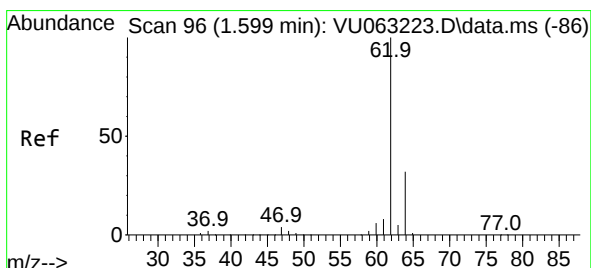
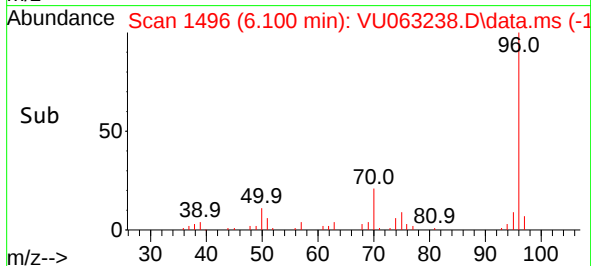
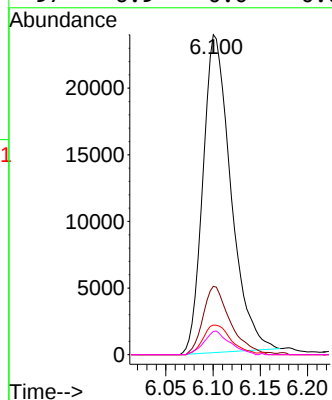
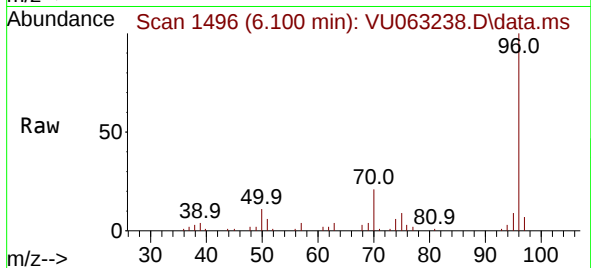




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

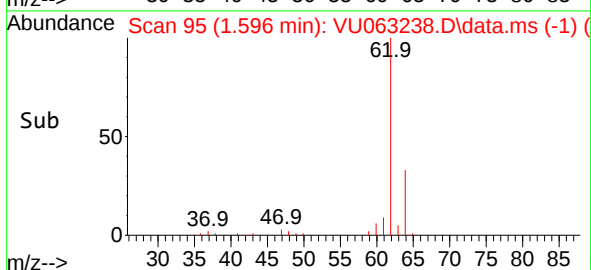
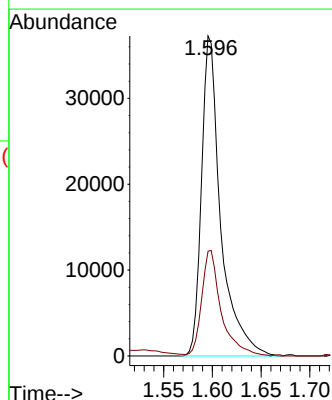
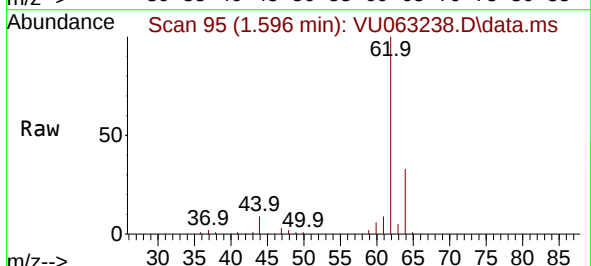
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

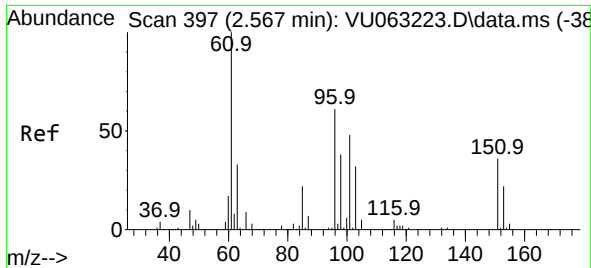
Tgt Ion:	96	Resp:	48972
Ion Ratio	Lower	Upper	
96	100		
70	20.5	15.6	23.4
95	9.4	7.3	10.9
97	6.9	0.0	0.0



#4
Vinyl Chloride
Concen: 2.812 ug/l
RT: 1.596 min Scan# 95
Delta R.T. -0.003 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

Tgt Ion:	62	Resp:	50988
Ion Ratio	Lower	Upper	
62	100		
64	32.4	25.4	38.0

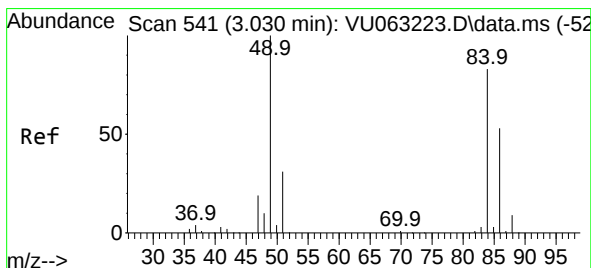
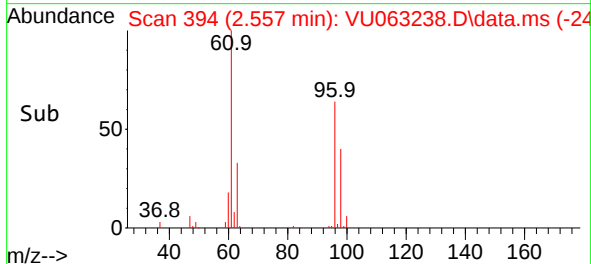
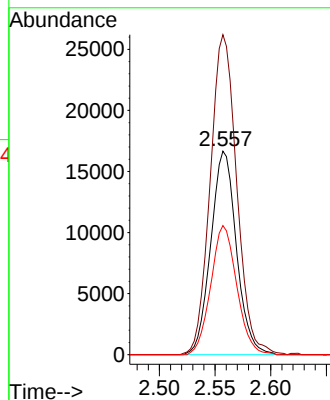
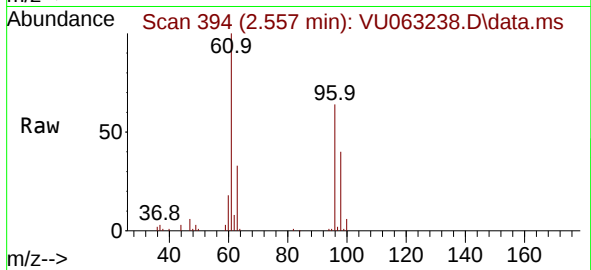




#9
1,1-Dichloroethene
Concen: 2.153 ug/l
RT: 2.557 min Scan# 397
Delta R.T. -0.010 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

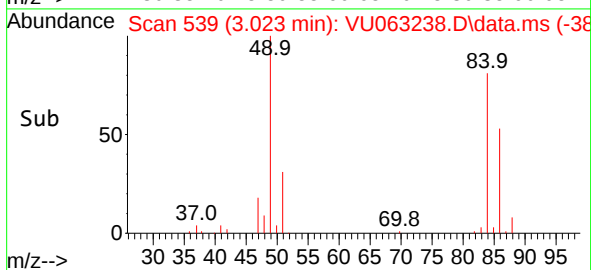
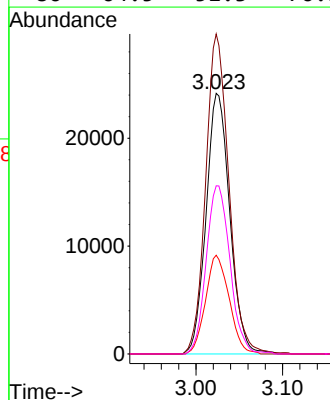
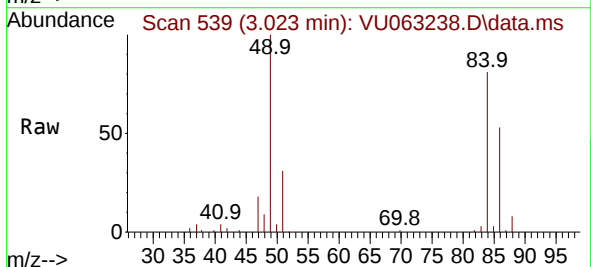
Instrument :
MSVOA_U
ClientSampleId :
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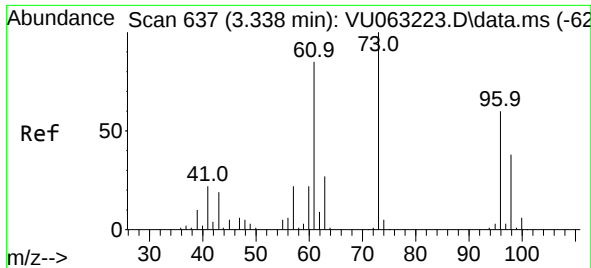
Tgt Ion:	96	Resp:	26747
Ion	Ratio	Lower	Upper
96	100		
61	157.2	0.0	492.9
98	63.4	0.0	124.0



#15
Methylene Chloride
Concen: 2.997 ug/l
RT: 3.023 min Scan# 539
Delta R.T. -0.006 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

Tgt Ion:	84	Resp:	46007
Ion	Ratio	Lower	Upper
84	100		
49	122.8	96.4	144.6
51	37.9	0.0	74.8
86	64.5	51.3	76.9

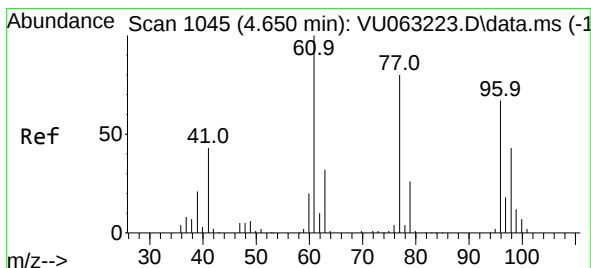
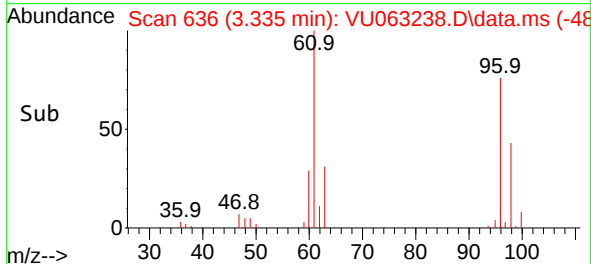
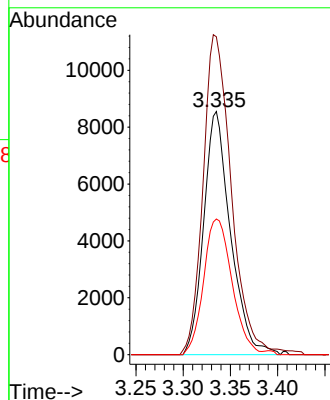
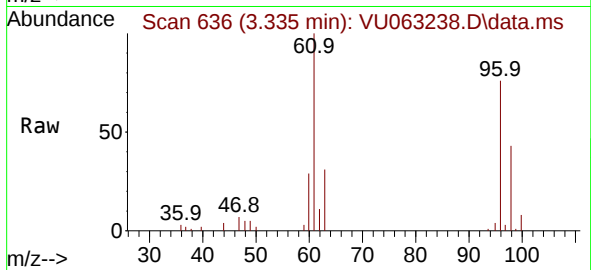




#16
trans-1,2-Dichloroethene
Concen: 1.189 ug/l
RT: 3.335 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

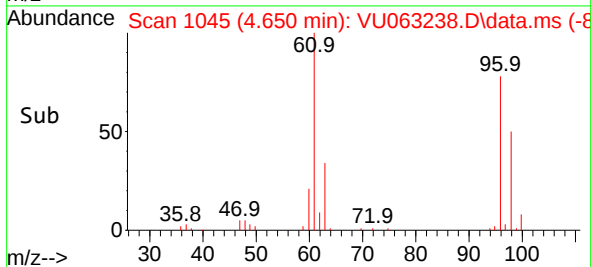
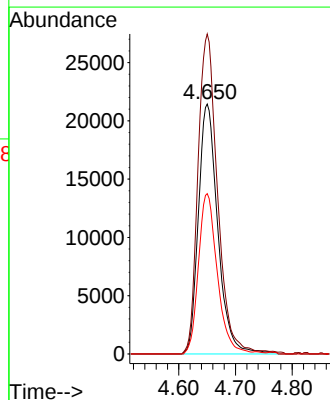
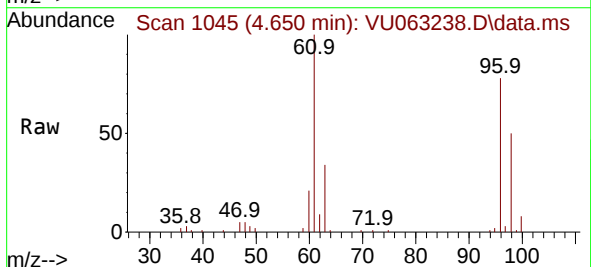
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

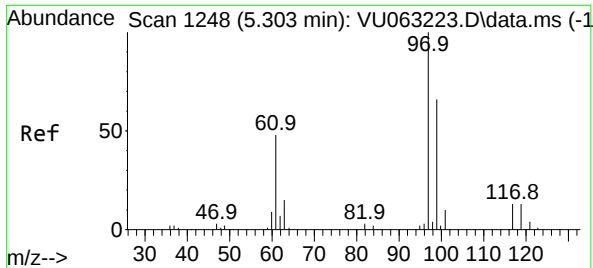
Tgt Ion: 96 Resp: 16863
Ion Ratio Lower Upper
96 100
61 130.8 113.4 170.2
98 55.8 51.2 76.8



#22
cis-1,2-Dichloroethene
Concen: 3.332 ug/l
RT: 4.650 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

Tgt Ion: 96 Resp: 51055
Ion Ratio Lower Upper
96 100
61 128.5 0.0 373.3
98 62.2 31.9 95.9

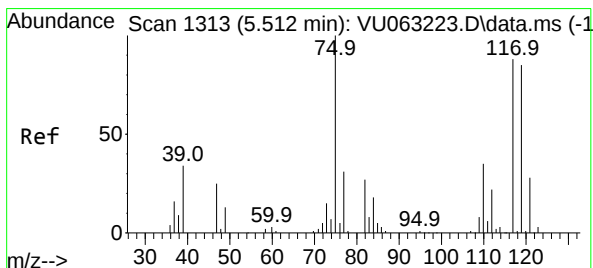
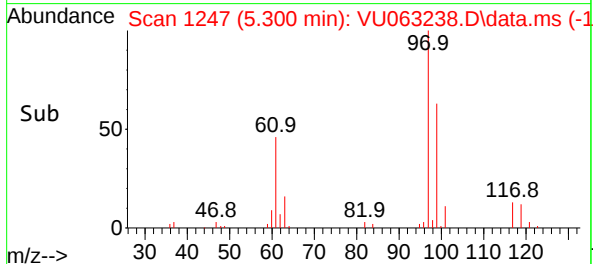
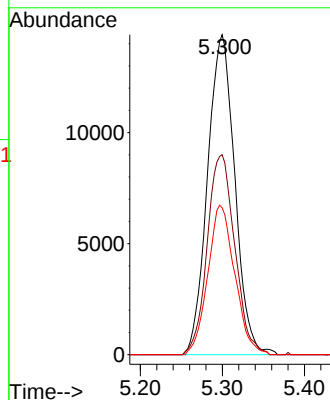
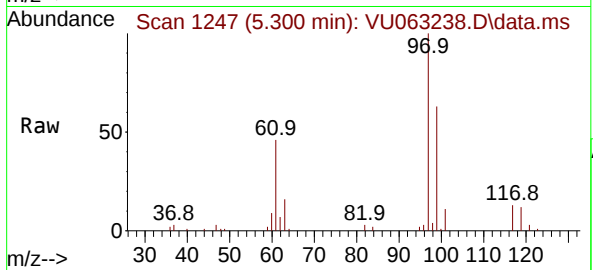




#28
1,1,1-Trichloroethane
Concen: 1.522 ug/l
RT: 5.300 min Scan# 1111
Delta R.T. -0.003 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

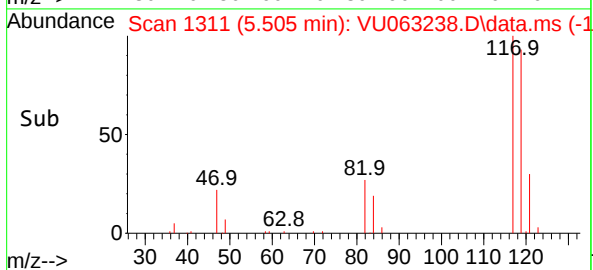
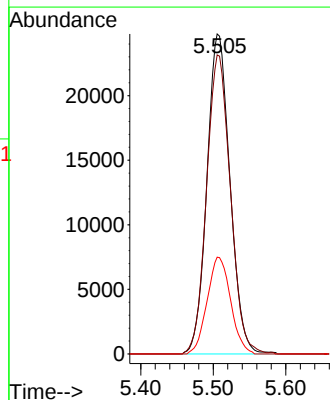
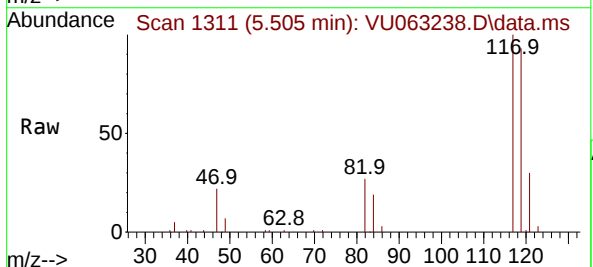
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ClientSampleId :
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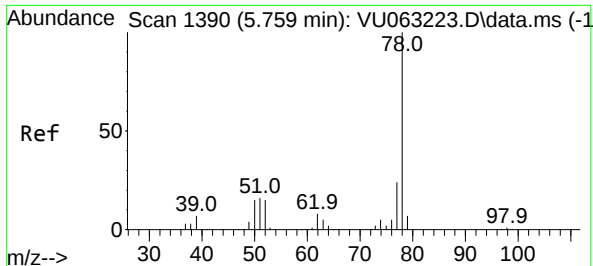
Tgt Ion:	97	Resp:	33252
Ion	Ratio	Lower	Upper
97	100		
99	63.2	32.4	97.0
61	46.2	23.8	71.2



#30
Carbon Tetrachloride
Concen: 2.920 ug/l
RT: 5.505 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

Tgt Ion:	117	Resp:	54719
Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.7	115.1
121	30.3	25.5	38.3

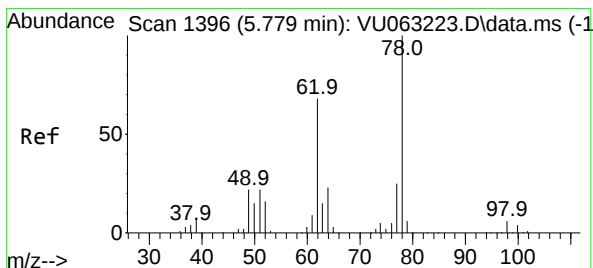
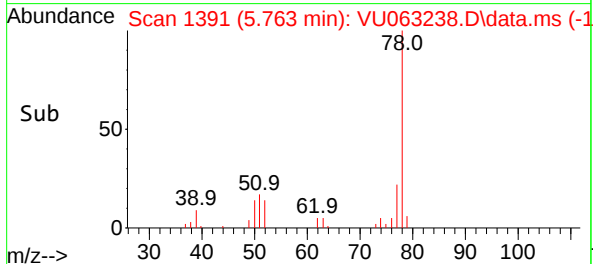
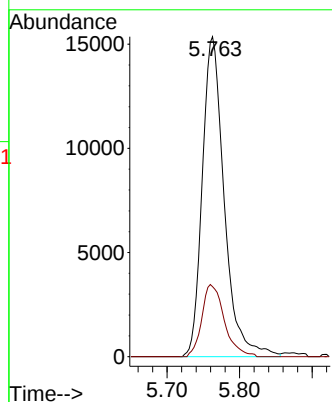
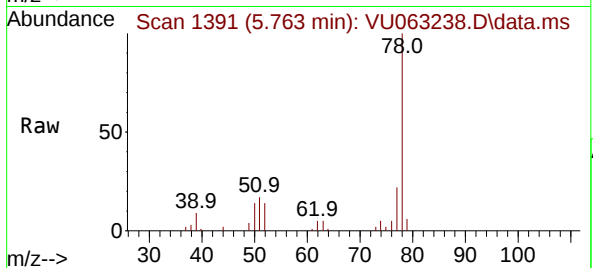




#35
Benzene
Concen: 0.537 ug/l
RT: 5.763 min Scan# 1391
Delta R.T. 0.003 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

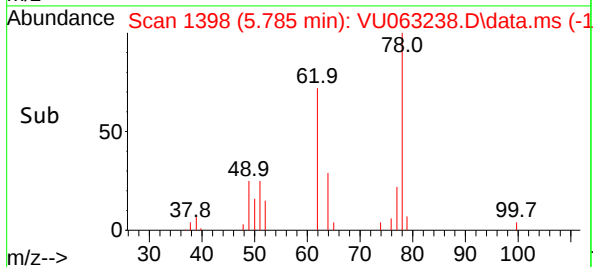
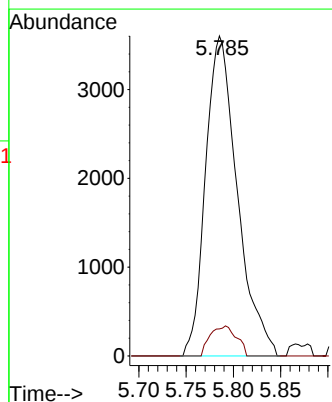
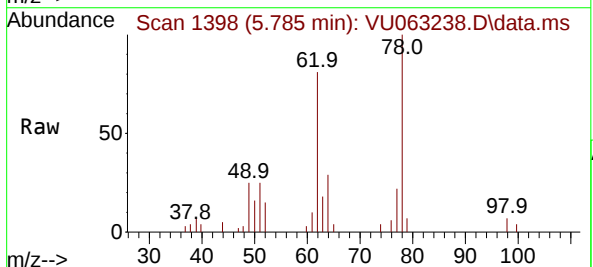
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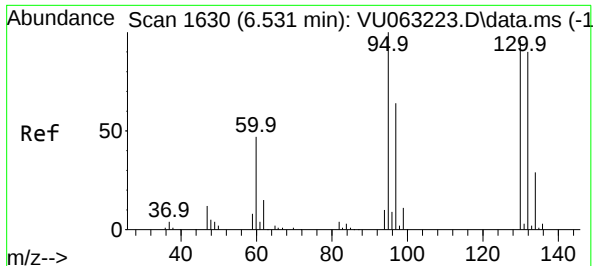
Tgt Ion: 78 Resp: 32304
Ion Ratio Lower Upper
78 100
77 21.9 19.0 28.4



#36
1,2-Dichloroethane
Concen: 0.484 ug/l
RT: 5.785 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

Tgt Ion: 62 Resp: 8410
Ion Ratio Lower Upper
62 100
98 7.8 6.9 10.3





#37

Trichloroethene

Concen: 3.183 ug/l

RT: 6.531 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063238.D

Acq: 11 Feb 2025 16:11

Instrument :

MSVOA_U

ClientSampleId :

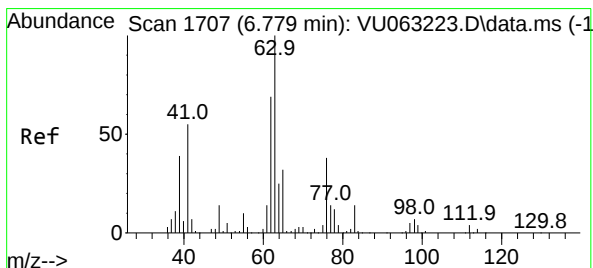
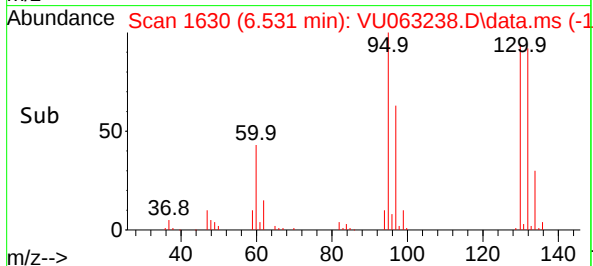
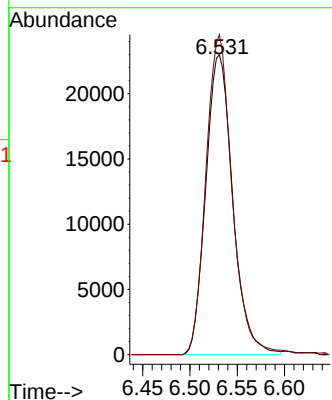
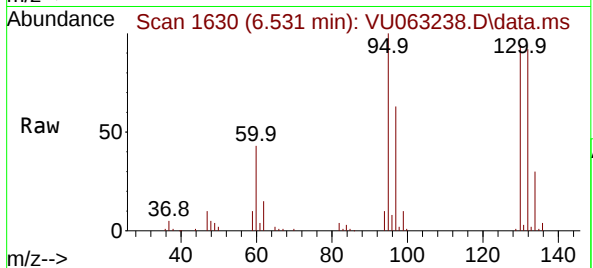
PT-RVOA-WSDL

Tgt Ion:130 Resp: 45549

Ion Ratio Lower Upper

130 100

95 106.7 83.2 124.8



#38

1,2-Dichloropropane

Concen: 0.535 ug/l

RT: 6.779 min Scan# 1707

Delta R.T. 0.000 min

Lab File: VU063238.D

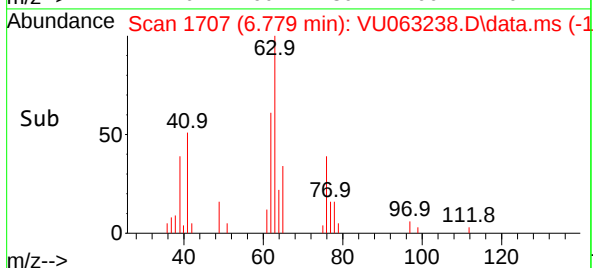
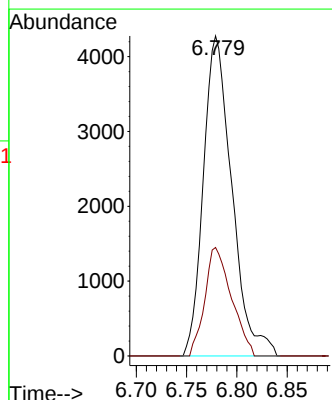
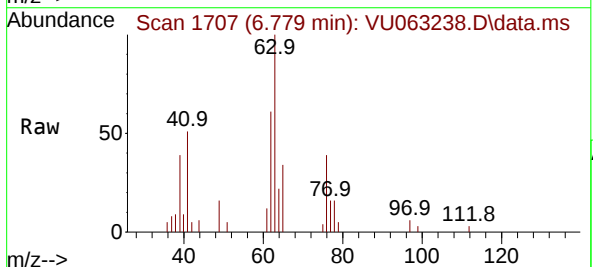
Acq: 11 Feb 2025 16:11

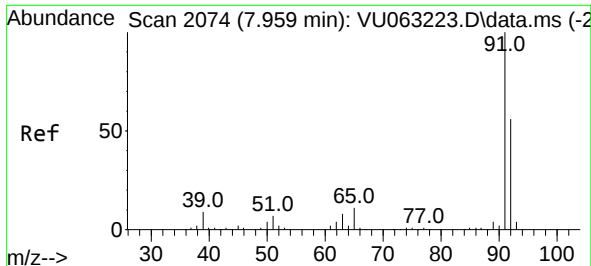
Tgt Ion: 63 Resp: 8432

Ion Ratio Lower Upper

63 100

65 33.9 25.3 37.9





#49

Toluene

Concen: 2.378 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063238.D

Acq: 11 Feb 2025 16:11

Instrument :

MSVOA_U

ClientSampleId :

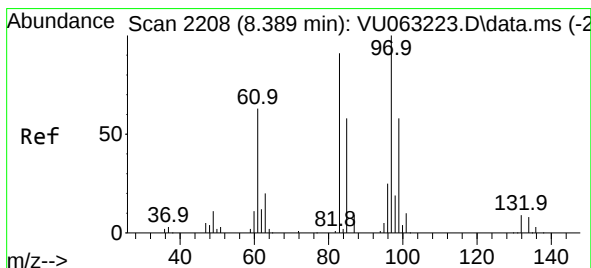
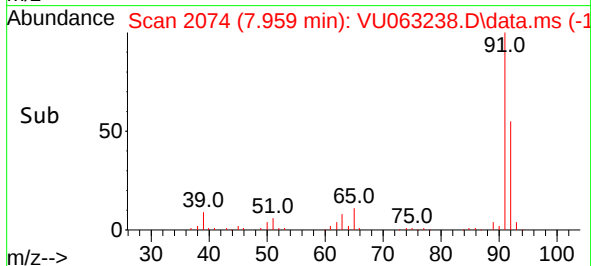
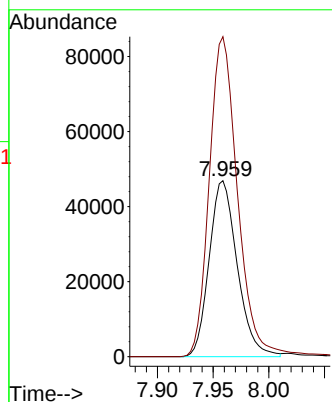
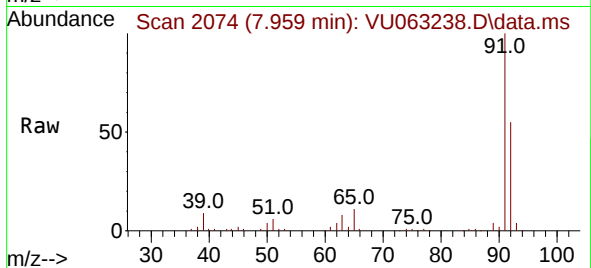
PT-RVOA-WSDL

Tgt Ion: 92 Resp: 82274

Ion Ratio Lower Upper

92 100

91 184.6 141.8 212.6



#52

1,1,2-Trichloroethane

Concen: 1.489 ug/l

RT: 8.390 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VU063238.D

Acq: 11 Feb 2025 16:11

Tgt Ion: 97 Resp: 16006

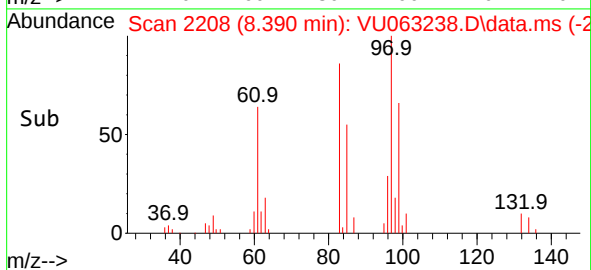
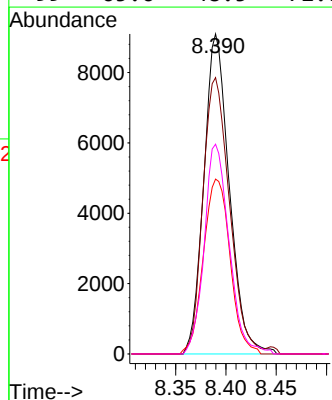
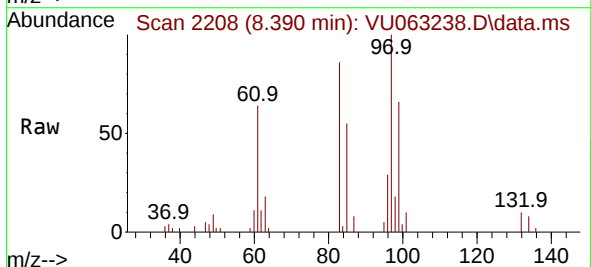
Ion Ratio Lower Upper

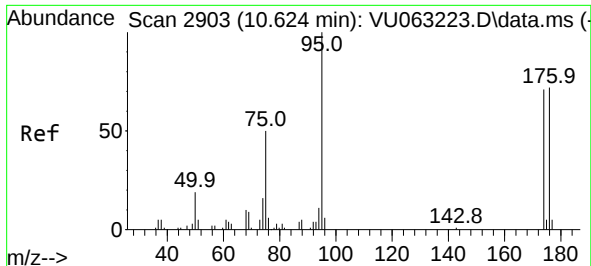
97 100

83 86.4 73.0 109.4

85 54.7 46.3 69.5

99 65.6 48.5 72.7

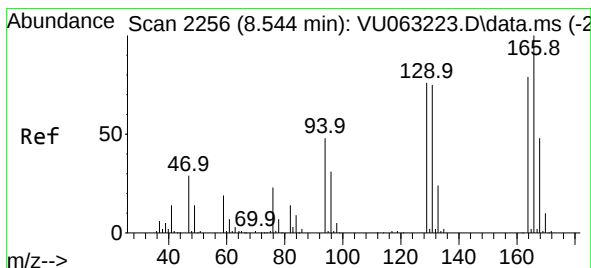
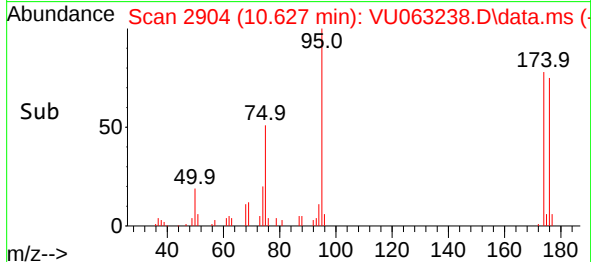
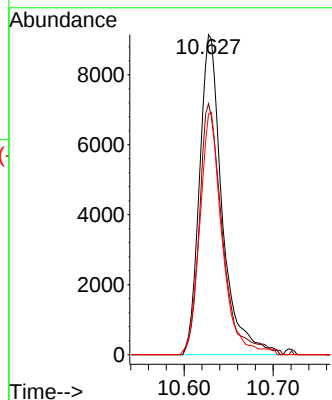
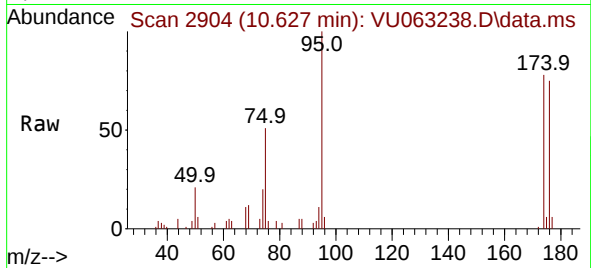




#57
4-Bromofluorobenzene
Concen: 1.001 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. 0.003 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

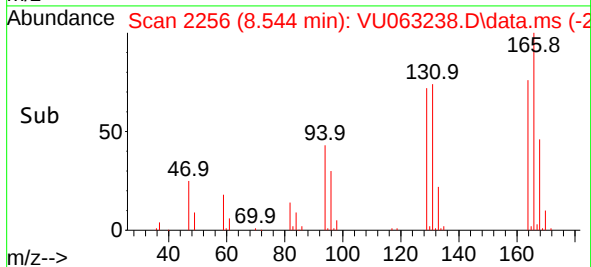
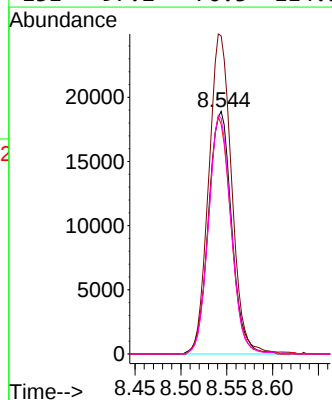
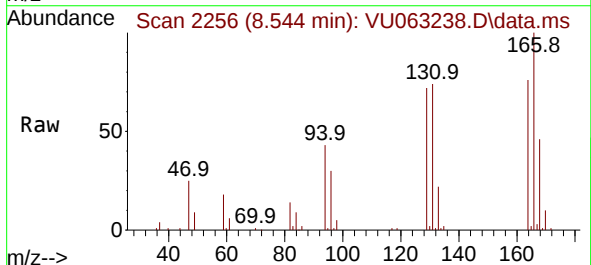
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

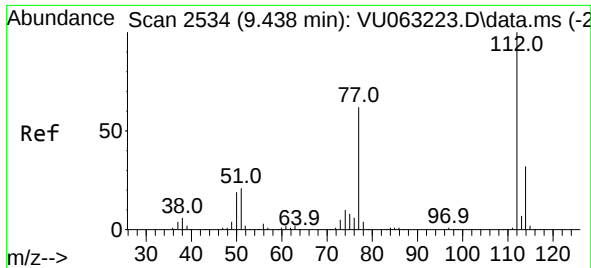
Tgt Ion: 95 Resp: 16177
Ion Ratio Lower Upper
95 100
174 79.9 58.6 88.0
176 74.2 58.2 87.4



#58
Tetrachloroethene
Concen: 2.825 ug/l
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

Tgt Ion: 164 Resp: 33312
Ion Ratio Lower Upper
164 100
166 131.2 101.4 152.0
129 94.8 77.0 115.4
131 97.2 76.3 114.5

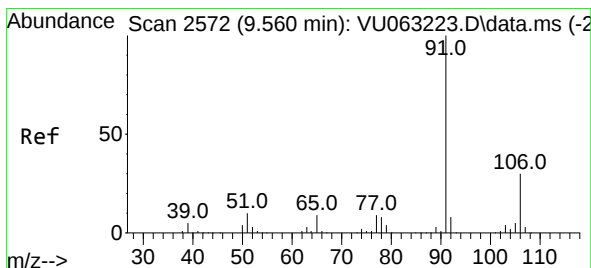
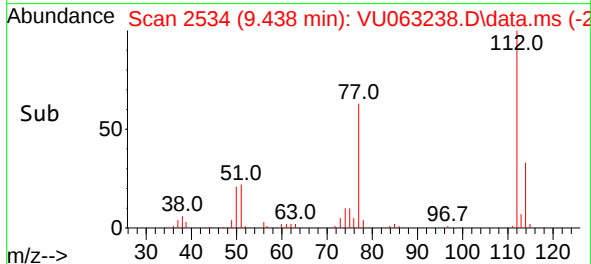
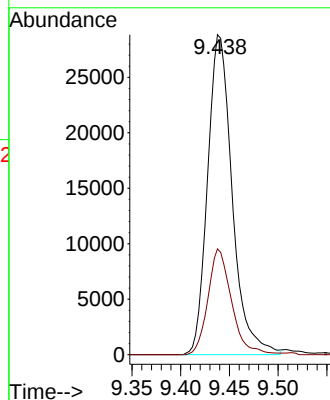
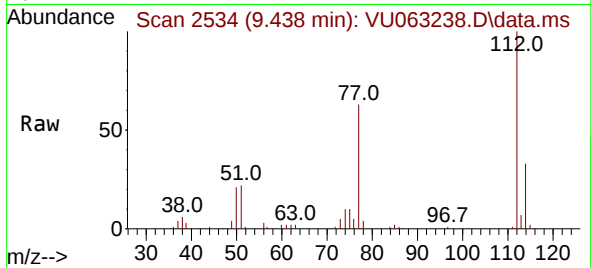




#59
Chlorobenzene
Concen: 1.389 ug/l
RT: 9.438 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

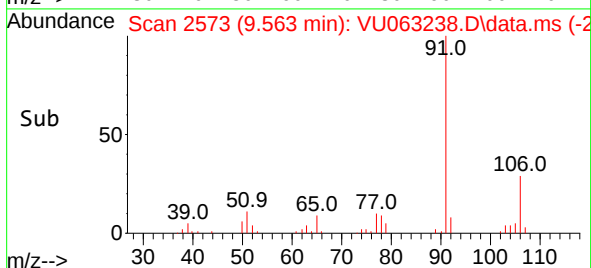
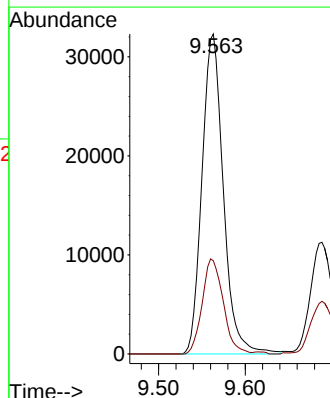
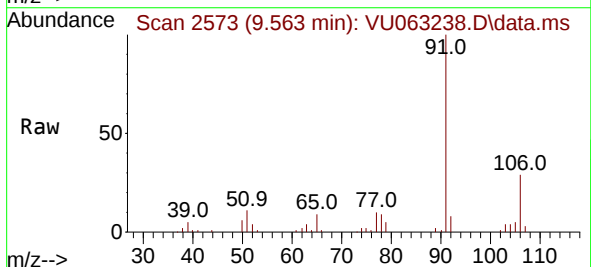
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

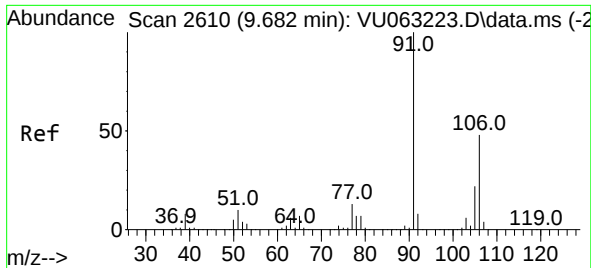
Tgt Ion:112 Resp: 50719
Ion Ratio Lower Upper
112 100
114 33.0 25.7 38.5



#63
Ethyl Benzene
Concen: 0.879 ug/l
RT: 9.563 min Scan# 2573
Delta R.T. 0.003 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

Tgt Ion: 91 Resp: 55334
Ion Ratio Lower Upper
91 100
106 29.2 24.2 36.2

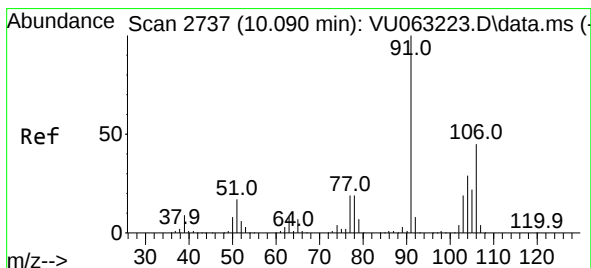
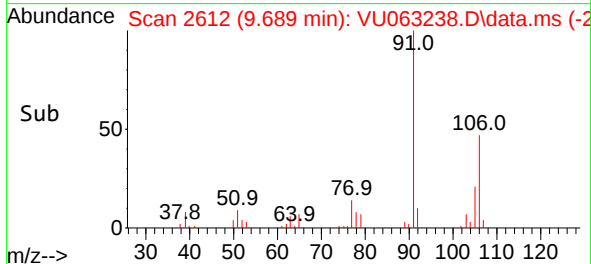
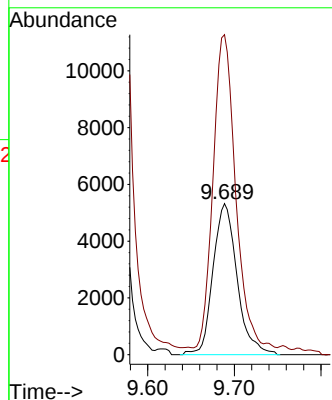
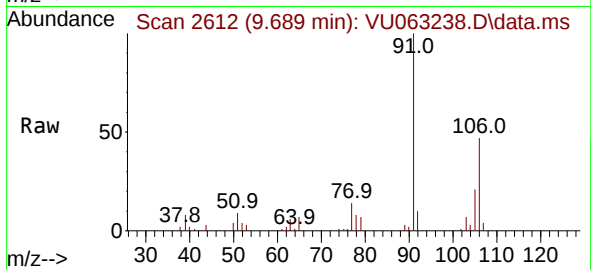




#64
m/p-Xylenes
Concen: 0.438 ug/l
RT: 9.689 min Scan# 2610
Delta R.T. 0.007 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

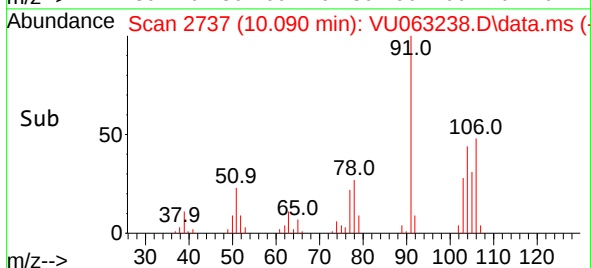
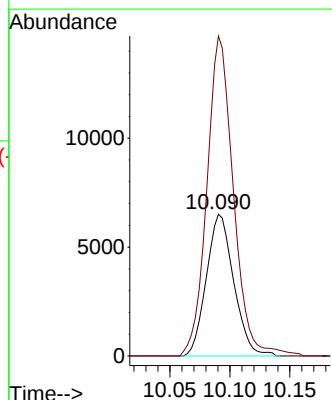
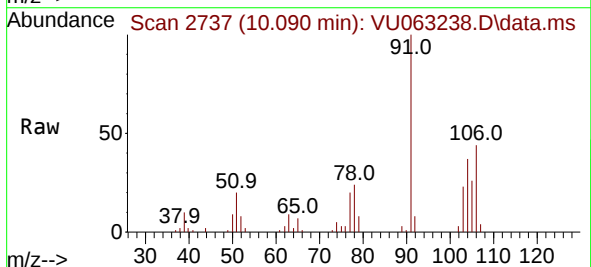
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

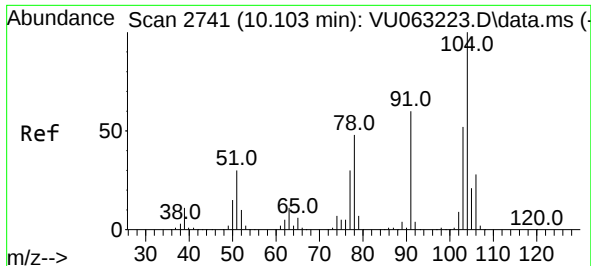
Tgt Ion:106 Resp: 10293
Ion Ratio Lower Upper
106 100
91 194.5 166.9 250.3



#65
o-Xylene
Concen: 0.448 ug/l
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

Tgt Ion:106 Resp: 10322
Ion Ratio Lower Upper
106 100
91 219.1 110.9 332.9

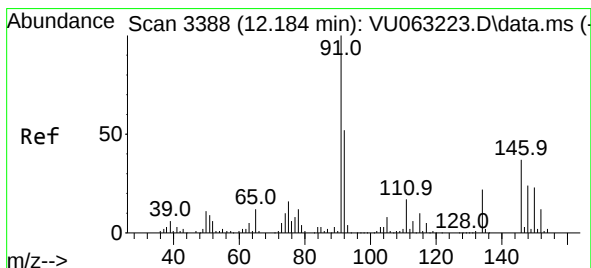
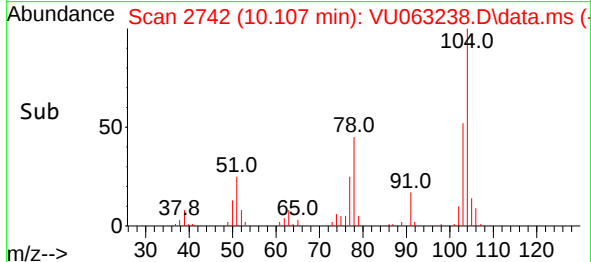
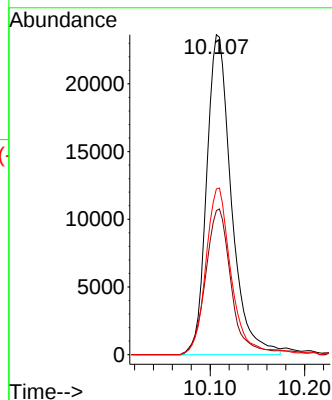
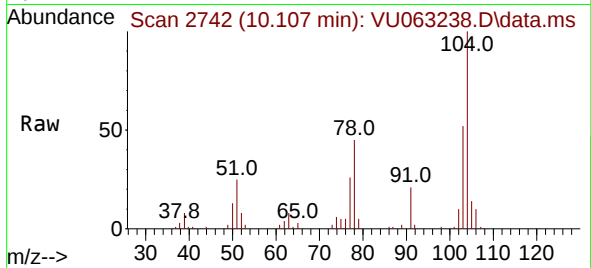




#66
Styrene
Concen: 1.169 ug/l
RT: 10.107 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

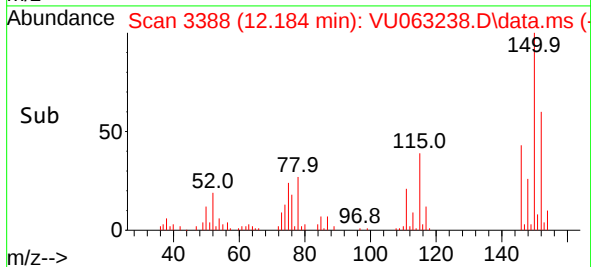
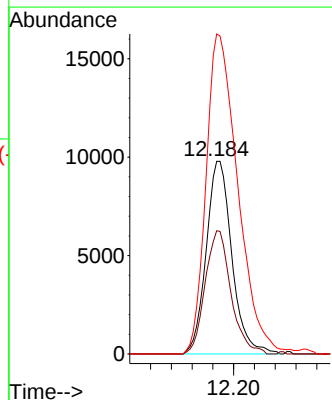
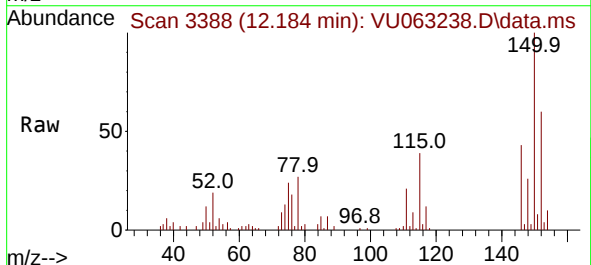
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

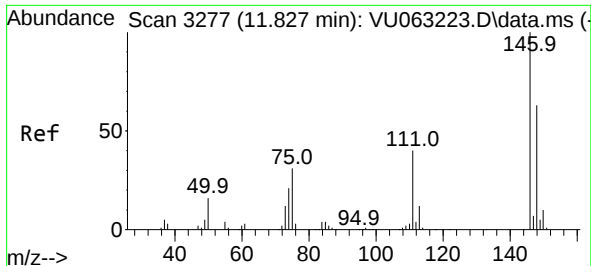
Tgt Ion:104 Resp: 42840
Ion Ratio Lower Upper
104 100
78 48.1 41.2 61.8
103 54.0 44.8 67.2



#68
1,2-Dichlorobenzene-d4
Concen: 1.002 ug/l
RT: 12.184 min Scan# 3388
Delta R.T. 0.000 min
Lab File: VU063238.D
Acq: 11 Feb 2025 16:11

Tgt Ion:152 Resp: 16834
Ion Ratio Lower Upper
152 100
115 64.1 0.0 275.2
150 205.1 0.0 658.4

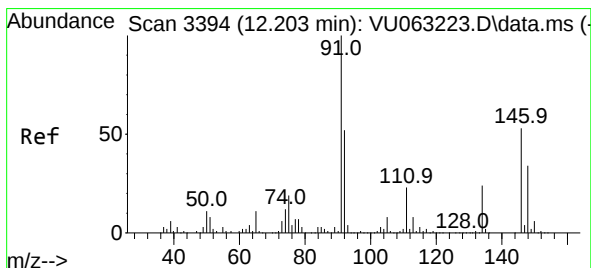
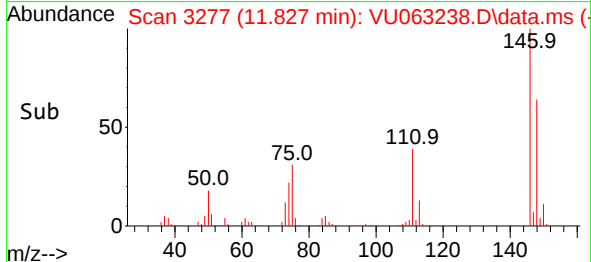
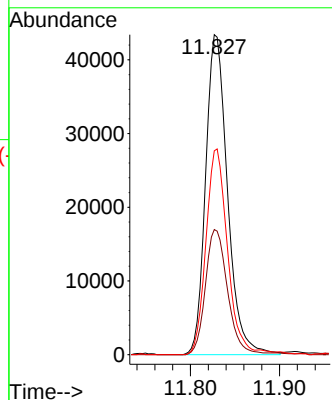
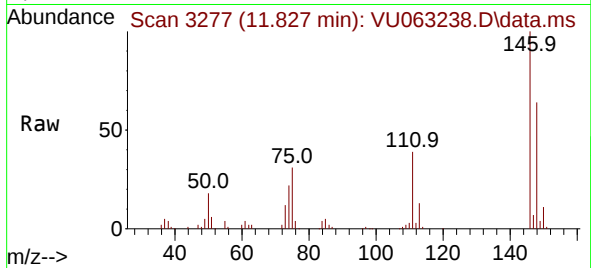




#83
 1,4-Dichlorobenzene
 Concen: 2.679 ug/l
 RT: 11.827 min Scan# 3277
 Delta R.T. 0.000 min
 Lab File: VU063238.D
 Acq: 11 Feb 2025 16:11

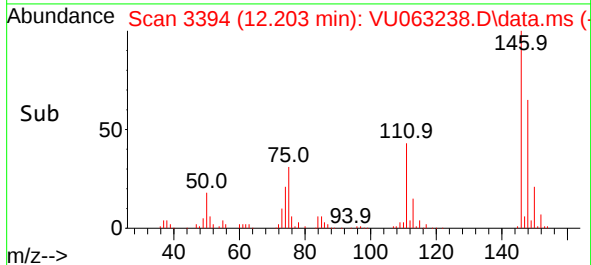
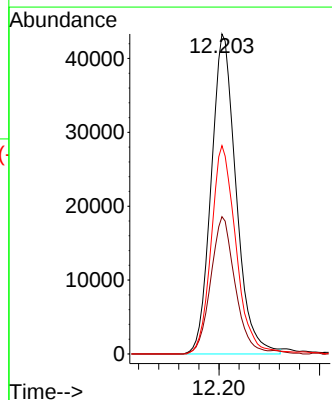
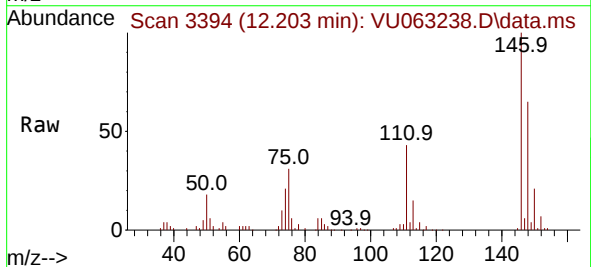
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WSDL

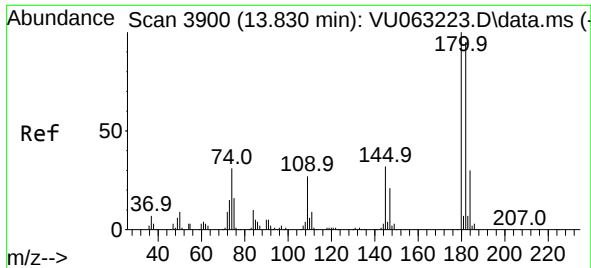
Tgt Ion:146 Resp: 74144
 Ion Ratio Lower Upper
 146 100
 111 39.4 32.1 48.1
 148 63.5 50.2 75.4



#85
 1,2-Dichlorobenzene
 Concen: 2.733 ug/l
 RT: 12.203 min Scan# 3394
 Delta R.T. 0.000 min
 Lab File: VU063238.D
 Acq: 11 Feb 2025 16:11

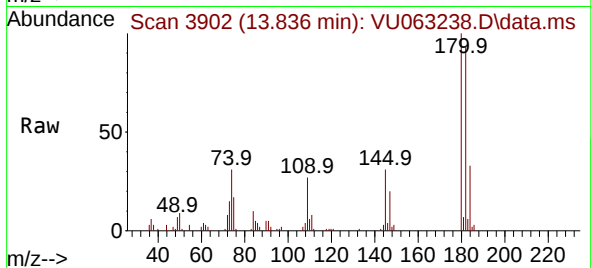
Tgt Ion:146 Resp: 74314
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.9 65.7
 148 65.1 32.3 96.9





#87
 1,2,4-Trichlorobenzene
 Concen: 2.603 ug/l
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.007 min
 Lab File: VU063238.D
 Acq: 11 Feb 2025 16:11

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WSDL



Tgt Ion:	180	Resp:	34525
Ion Ratio	Lower	Upper	
180	100		
182	97.6	76.6	115.0
145	30.9	25.4	38.2

