

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
 Data File : VU060884.D
 Acq On : 18 Sep 2024 20:51
 Operator : MD/SY
 Sample : P3952-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 19 05:18:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 05:11:13 2024
 Response via : Initial Calibration

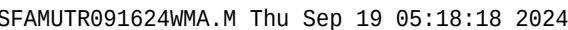
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

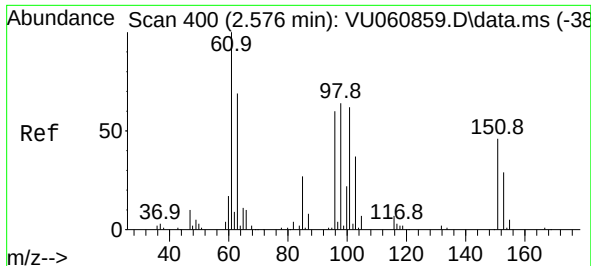
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	170598	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	178029	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	71205	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	40292	2.626	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	52.600%
7) Chloroethane-d5	1.911	69	33702	3.085	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	61.600%#
11) 1,1-Dichloroethene-d2	2.560	65	16047	2.951	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.000%#
20) 2-Butanone-d5	4.634	46	91440	37.121	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.240%
24) Chloroform-d	5.055	84	80786	3.444	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.800%#
26) 1,2-Dichloroethane-d4	5.695	65	38218	3.409	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.200%#
32) Benzene-d6	5.721	84	157840	3.308	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.200%#
36) 1,2-Dichloropropane-d6	6.682	67	52884	3.582	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	71.600%
41) Toluene-d8	7.891	98	133674	3.073	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.400%#
43) trans-1,3-Dichloroprop...	8.177	79	17152	3.228	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.600%
46) 2-Hexanone-d5	8.631	63	77025	36.743	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.480%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	40960	3.541	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	70.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	48242	4.032	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.600%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	5676	0.483	ug/L	93
12) 1,1-Dichloroethene	2.576	96	122551	11.420	ug/L #	68
18) trans-1,2-Dichloroethene	3.351	96	2429	0.218	ug/L	95
19) 1,1-Dichloroethane	3.862	63	77421	3.468	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	184585	14.999	ug/L	95
25) Chloroform	5.074	83	4033	0.173	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	21505	1.119	ug/L	98
31) Carbon tetrachloride	5.309	117	2963	0.174	ug/L	94
34) Trichloroethene	6.534	95	311226	24.253	ug/L	95
35) Methylcyclohexane	6.685	83	12259	0.696	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	4883	0.362	ug/L #	93
45) 1,1,2-Trichloroethane	8.396	97	1196	0.123	ug/L	85
47) Tetrachloroethene	8.547	164	191970	18.824	ug/L	99
49) Dibromochloromethane	8.547	129	179257	16.170	ug/L #	9
61) 1,2,3-Trichloropropane	11.804	75	7710	1.161	ug/L #	65
68) 1,2-Dibromo-3-chloropr...	12.891	75	1167	0.900	ug/L #	1

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

Instrument :
MSVOA_U
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Quant Title : TRACE VOA SFAM1.0
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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.483 ug/L

RT: 2.573 min Scan# 3

Delta R.T. -0.003 min

Lab File: VU060884.D

Acq: 18 Sep 2024 20:51

Instrument :

MSVOA_U

ClientSampleId :

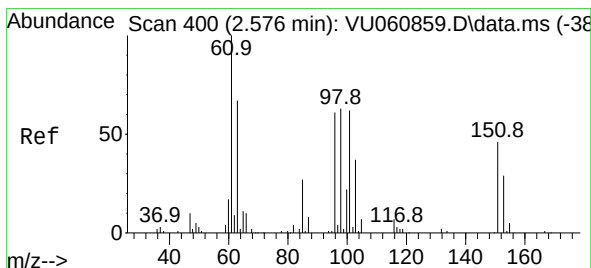
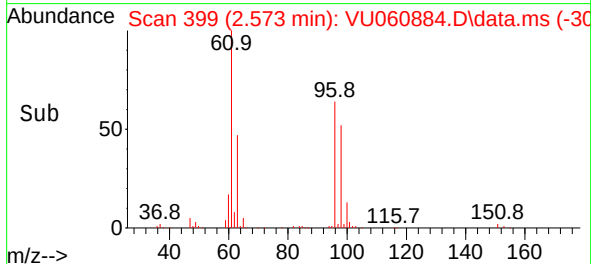
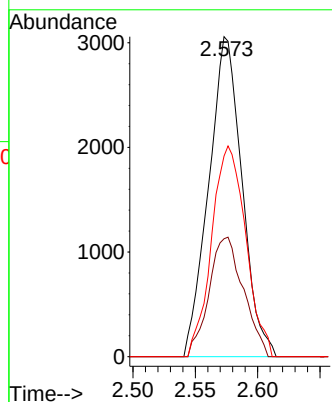
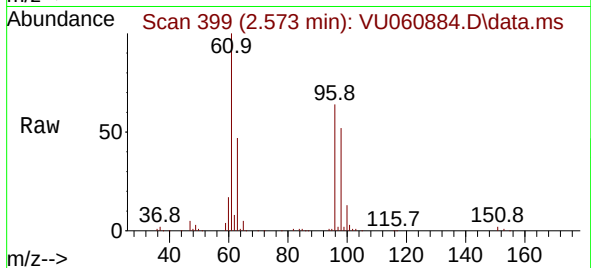
Tgt Ion:101 Resp: 5676

Ion Ratio Lower Upper

101 100

85 38.6 34.2 51.4

151 67.6 58.6 88.0



#12

1,1-Dichloroethene

Concen: 11.420 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU060884.D

Acq: 18 Sep 2024 20:51

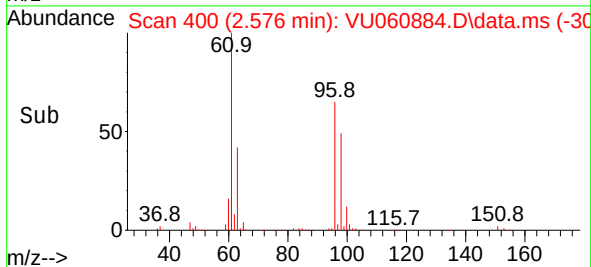
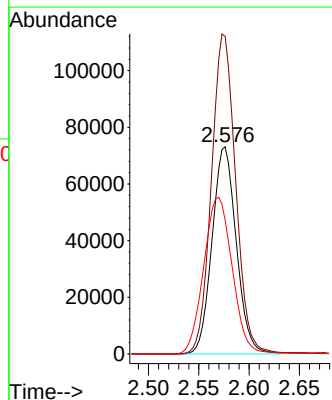
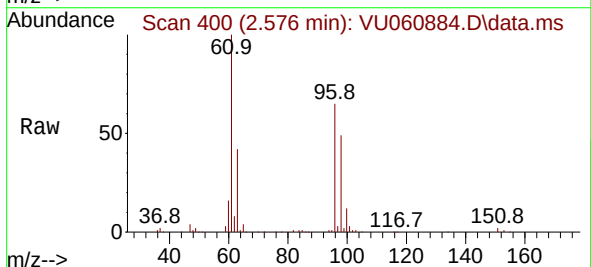
Tgt Ion: 96 Resp: 122551

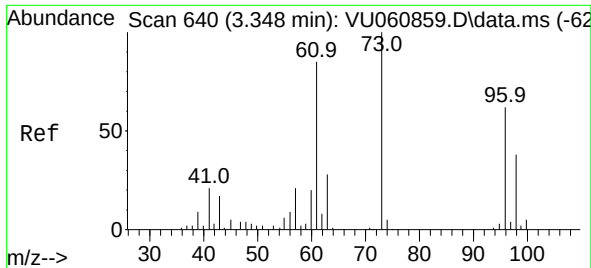
Ion Ratio Lower Upper

96 100

61 153.3 120.7 224.1

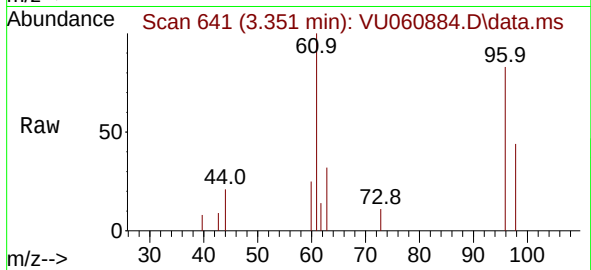
63 64.5 90.0 167.2#



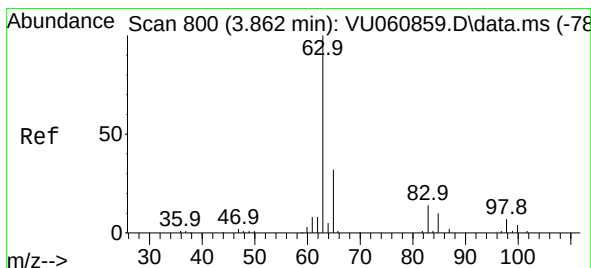
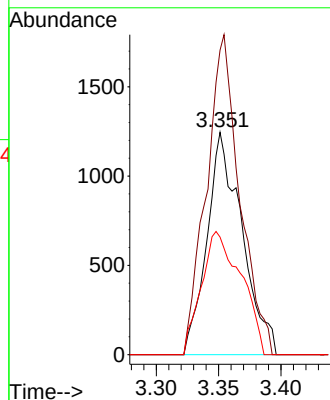
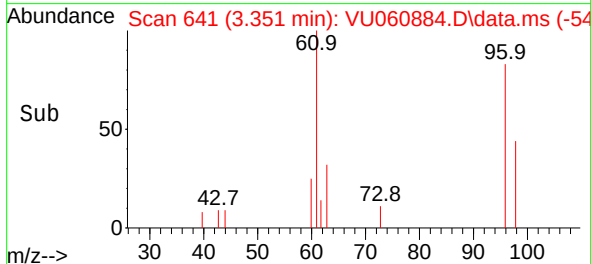


#18
trans-1,2-Dichloroethene
Concen: 0.218 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU060884.D
Acq: 18 Sep 2024 20:51

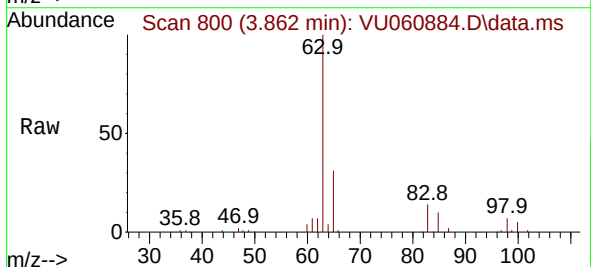
Instrument :
MSVOA_U
ClientSampleId :



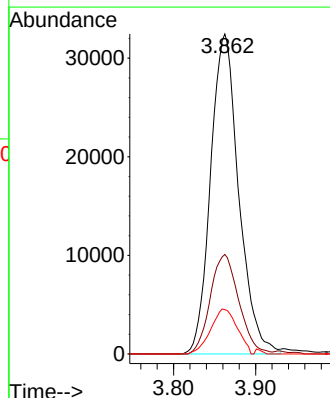
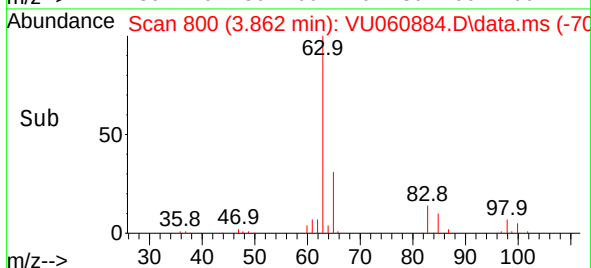
Tgt Ion: 96 Resp: 2429
Ion Ratio Lower Upper
96 100
61 136.9 97.2 180.6
98 52.9 43.3 80.5

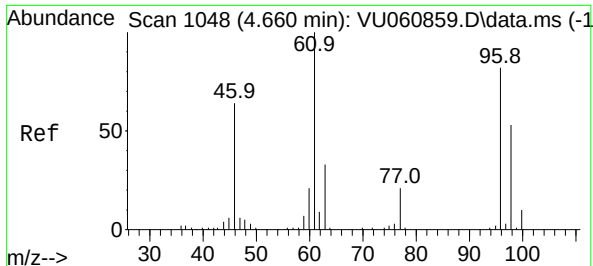


#19
1,1-Dichloroethane
Concen: 3.468 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU060884.D
Acq: 18 Sep 2024 20:51



Tgt Ion: 63 Resp: 77421
Ion Ratio Lower Upper
63 100
65 31.8 23.0 42.8
83 13.9 9.0 16.6





#22

cis-1,2-Dichloroethene

Concen: 14.999 ug/L

RT: 4.657 min Scan# 110

Delta R.T. -0.003 min

Lab File: VU060884.D

Acq: 18 Sep 2024 20:51

Instrument :

MSVOA_U

ClientSampleId :

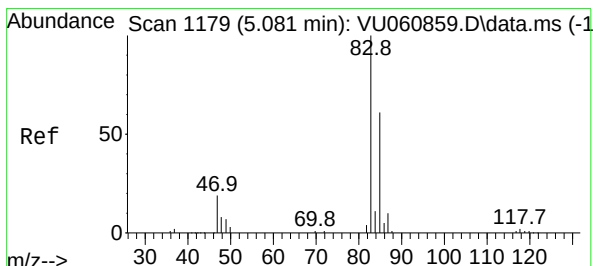
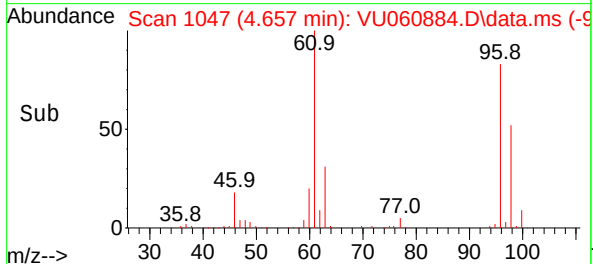
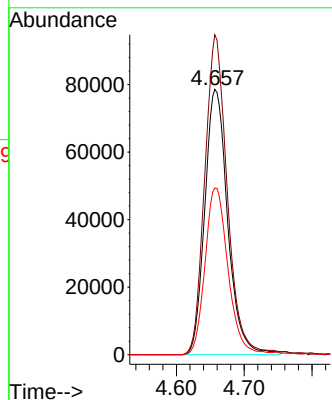
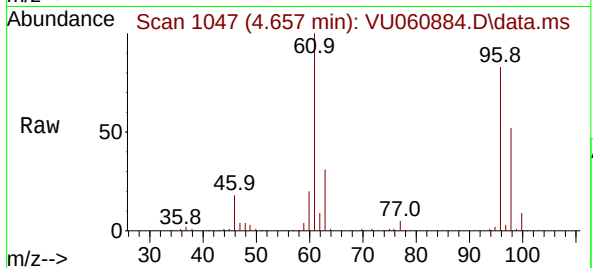
Tgt Ion: 96 Resp: 184585

Ion Ratio Lower Upper

96 100

61 120.6 89.7 166.5

98 62.8 45.1 83.9



#25

Chloroform

Concen: 0.173 ug/L

RT: 5.074 min Scan# 1177

Delta R.T. -0.006 min

Lab File: VU060884.D

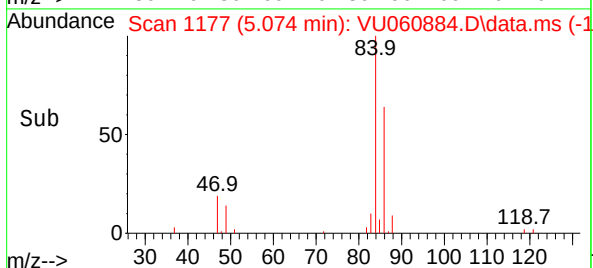
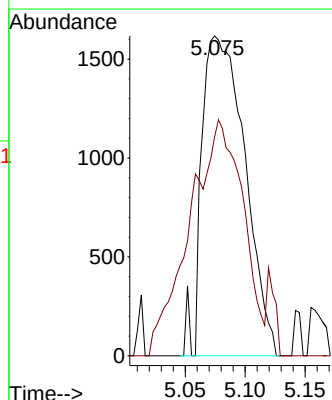
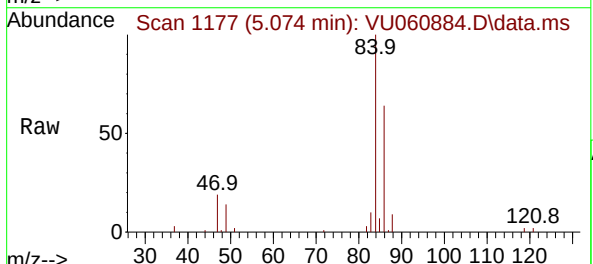
Acq: 18 Sep 2024 20:51

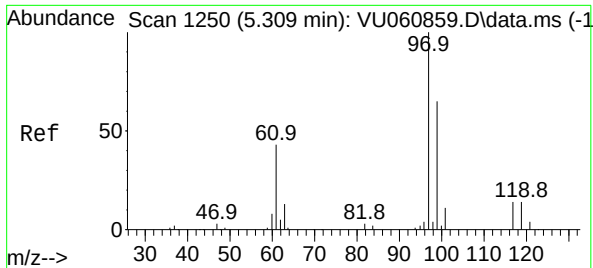
Tgt Ion: 83 Resp: 4033

Ion Ratio Lower Upper

83 100

85 68.5 46.8 86.8

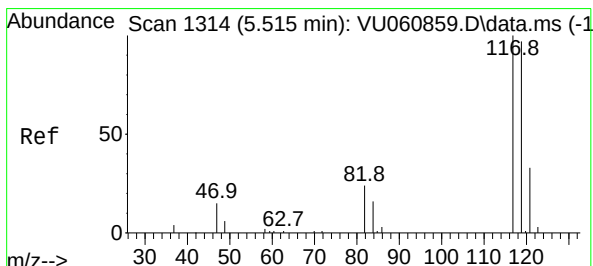
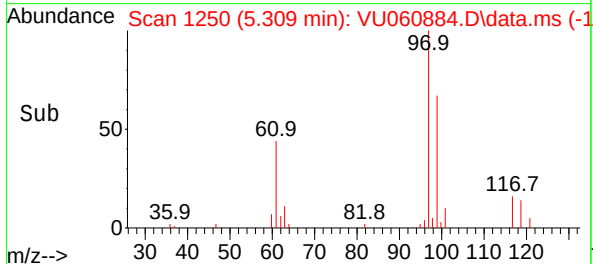
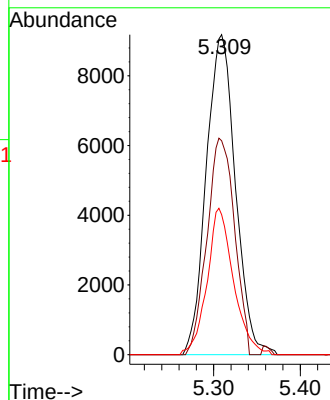
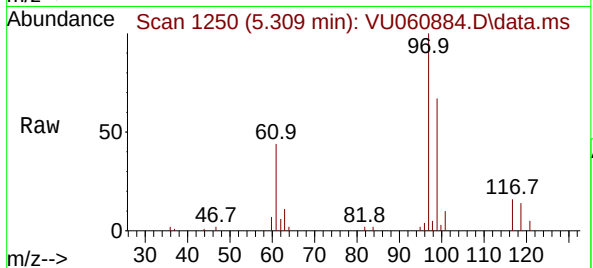




#29
1,1,1-Trichloroethane
Concen: 1.119 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU060884.D
Acq: 18 Sep 2024 20:51

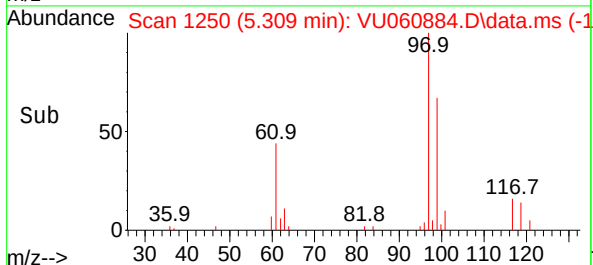
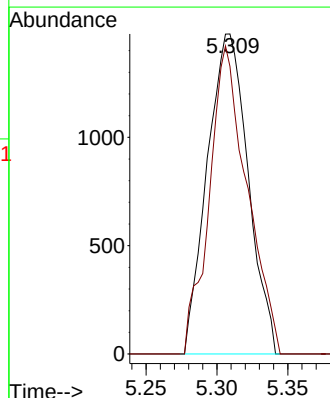
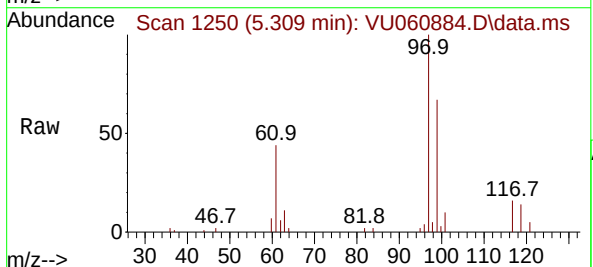
Instrument :
MSVOA_U
ClientSampleId :

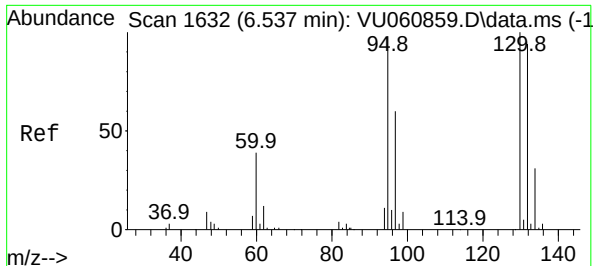
Tgt Ion:	97	Resp:	21505
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.5	75.7
61	41.5	34.4	51.6



#31
Carbon tetrachloride
Concen: 0.174 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.206 min
Lab File: VU060884.D
Acq: 18 Sep 2024 20:51

Tgt Ion:	117	Resp:	2963
Ion	Ratio	Lower	Upper
117	100		
119	89.3	76.3	114.5





#34

Trichloroethene

Concen: 24.253 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU060884.D

Acq: 18 Sep 2024 20:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 311226

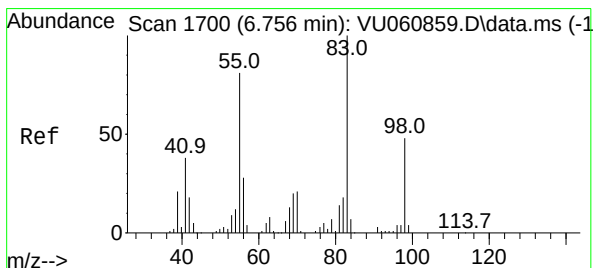
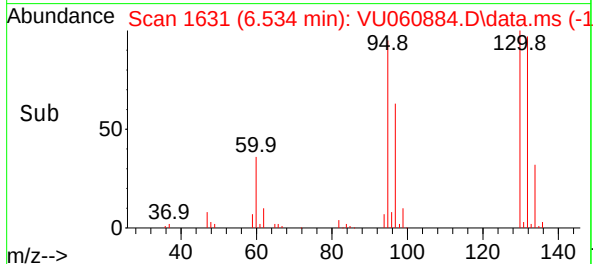
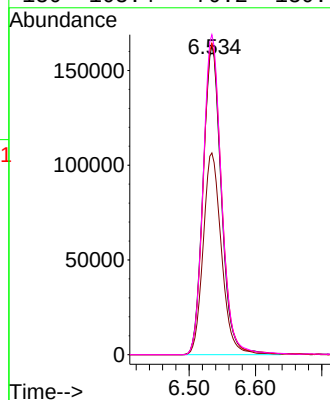
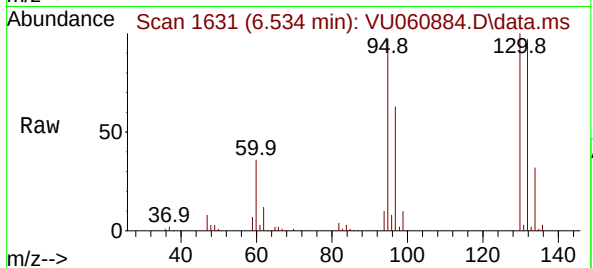
Ion Ratio Lower Upper

95 100

97 65.2 44.9 83.5

132 100.7 63.5 117.9

130 103.4 70.2 130.4



#35

Methylcyclohexane

Concen: 0.696 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.071 min

Lab File: VU060884.D

Acq: 18 Sep 2024 20:51

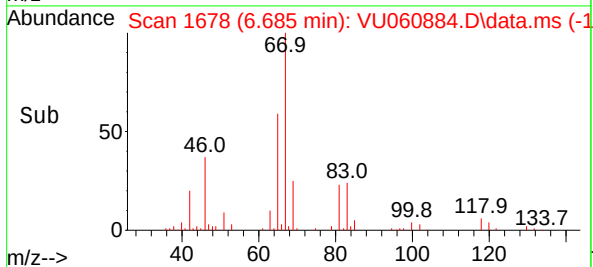
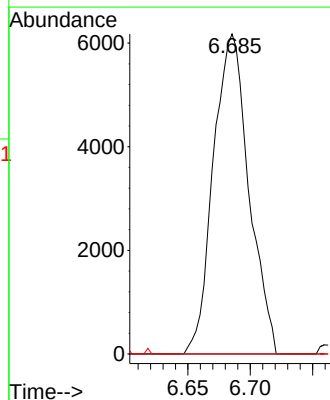
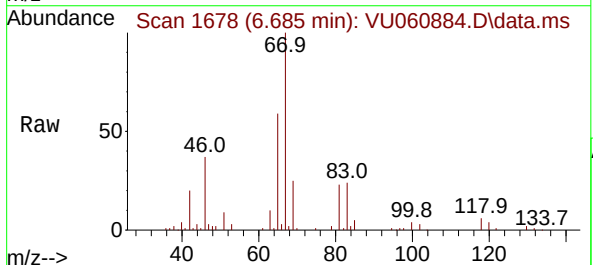
Tgt Ion: 83 Resp: 12259

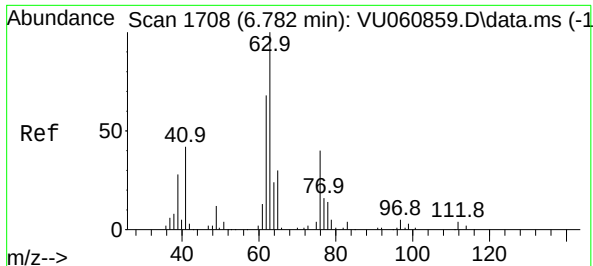
Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

98 0.0 37.6 56.4#

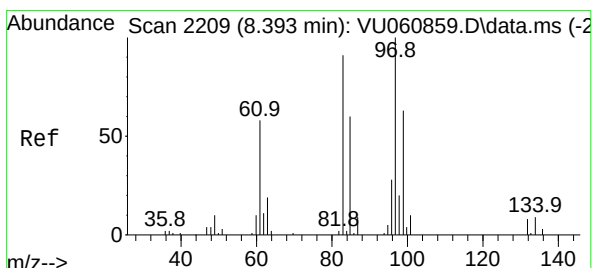
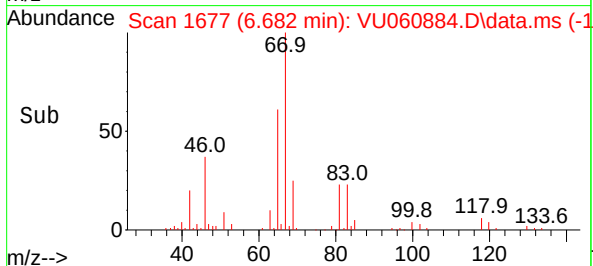
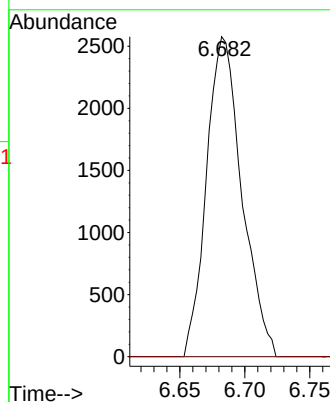
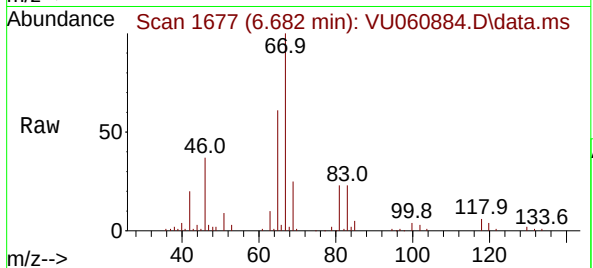




#37
1,2-Dichloropropane
Concen: 0.362 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU060884.D
Acq: 18 Sep 2024 20:51

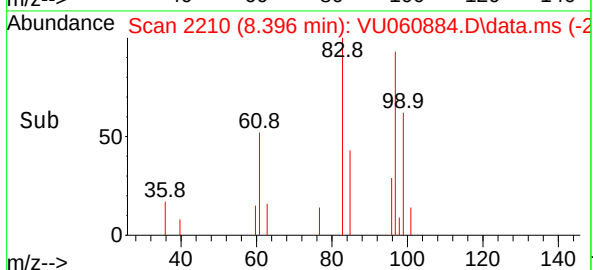
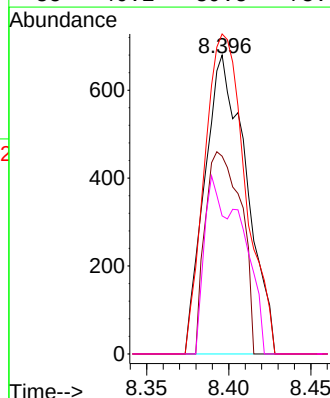
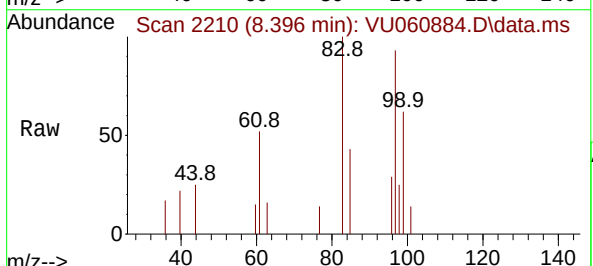
Instrument :
MSVOA_U
ClientSampleId :

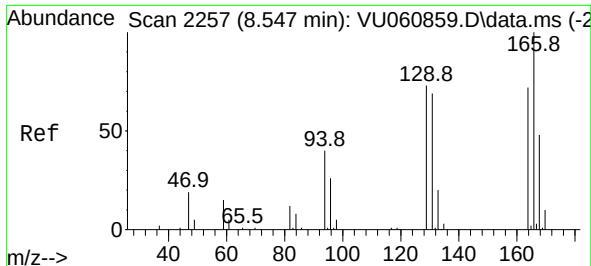
Tgt Ion: 63 Resp: 4883
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#45
1,1,2-Trichloroethane
Concen: 0.123 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VU060884.D
Acq: 18 Sep 2024 20:51

Tgt Ion: 97 Resp: 1196
Ion Ratio Lower Upper
97 100
99 66.2 42.3 78.5
83 107.1 61.7 114.5
85 46.2 39.5 73.3





#47

Tetrachloroethene

Concen: 18.824 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU060884.D

Acq: 18 Sep 2024 20:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 191970

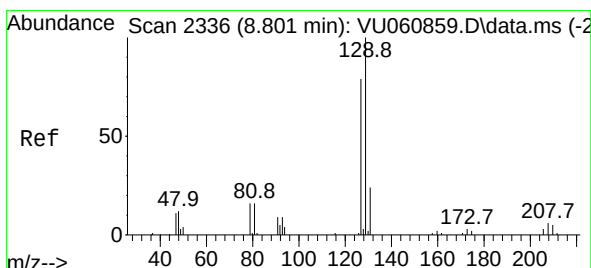
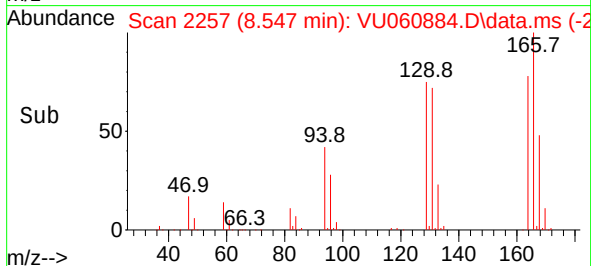
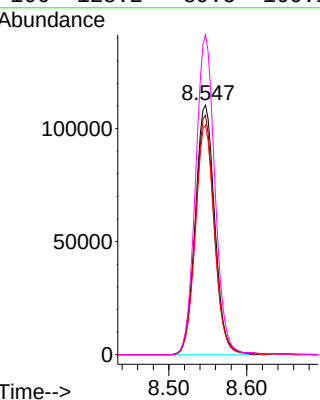
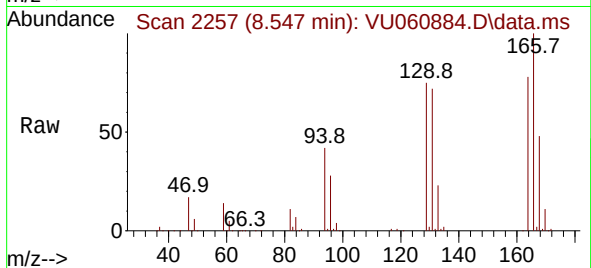
Ion Ratio Lower Upper

164 100

129 96.0 67.3 124.9

131 92.0 65.4 121.4

166 128.2 89.5 166.1



#49

Dibromochloromethane

Concen: 16.170 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.254 min

Lab File: VU060884.D

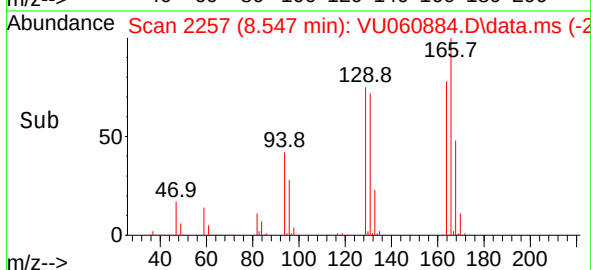
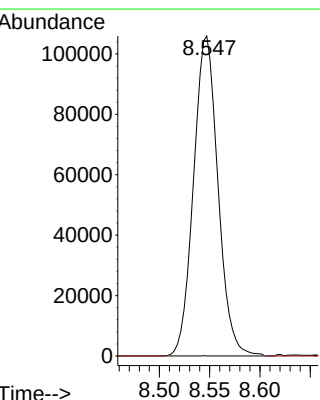
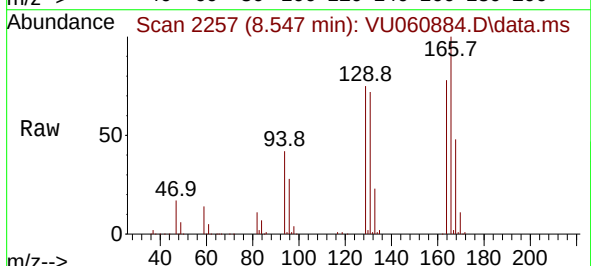
Acq: 18 Sep 2024 20:51

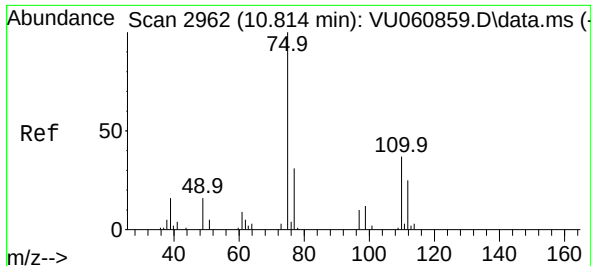
Tgt Ion:129 Resp: 179257

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#





#61

1,2,3-Trichloropropane

Concen: 1.161 ug/L

RT: 11.804 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU060884.D

Acq: 18 Sep 2024 20:51

Instrument :

MSVOA_U

ClientSampleId :

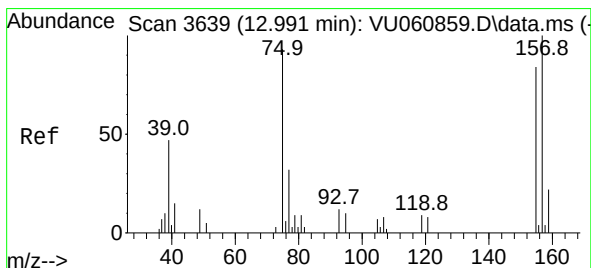
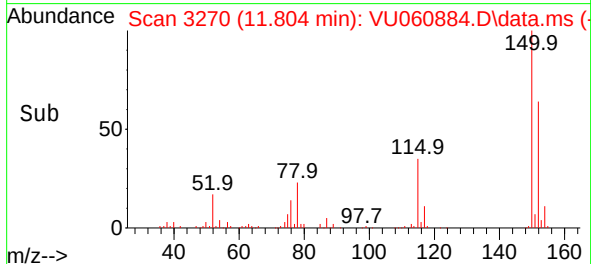
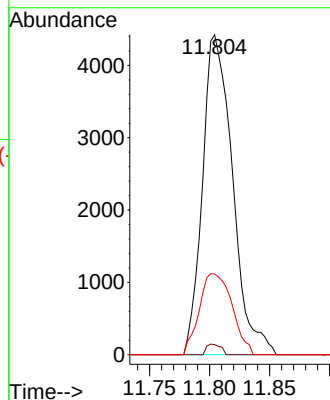
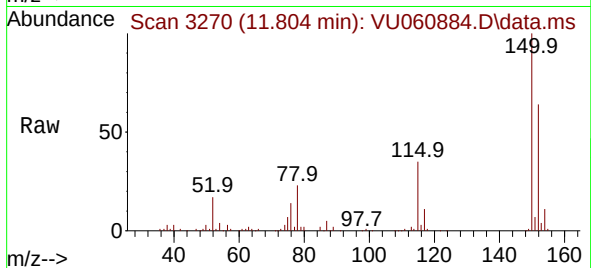
Tgt Ion: 75 Resp: 7710

Ion Ratio Lower Upper

75 100

110 1.6 28.6 43.0#

77 27.6 26.3 39.5



#68

1,2-Dibromo-3-chloropropane

Concen: 0.900 ug/L

RT: 12.891 min Scan# 3608

Delta R.T. -0.100 min

Lab File: VU060884.D

Acq: 18 Sep 2024 20:51

Tgt Ion: 75 Resp: 1167

Ion Ratio Lower Upper

75 100

155 0.0 73.1 109.7#

157 0.0 91.0 136.4#

