

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
 Data File : VU061836.D
 Acq On : 19 Nov 2024 01:48
 Operator : MD/SY
 Sample : P4885-07
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 03:42:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 19 03:37:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	166240	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	158005	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	68590	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	35359	3.292	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.800%
7) Chloroethane-d5	1.904	69	34887	3.805	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.000%
11) 1,1-Dichloroethene-d2	2.560	65	16560	3.436	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.800%
20) 2-Butanone-d5	4.612	46	107849	47.307	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.620%
24) Chloroform-d	5.052	84	92102	4.314	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	5.692	65	47300	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.718	84	187657	4.293	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	6.679	67	59316	4.601	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.888	98	202774	4.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
43) trans-1,3-Dichloroprop...	8.171	79	23305	4.908	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.621	63	94741	50.487	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.980%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	48910	4.812	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	59625	4.881	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	24380	2.268	ug/L	98
12) 1,1-Dichloroethene	2.573	96	1802	0.180	ug/L #	1
16) Methylene chloride	3.036	84	68934	5.960	ug/L	99
17) Methyl tert-butyl Ether	3.364	73	2516	0.102	ug/L #	86
19) 1,1-Dichloroethane	3.866	63	5208	0.260	ug/L	93
22) cis-1,2-Dichloroethene	4.653	96	3227	0.260	ug/L	86
25) Chloroform	5.078	83	4212	0.199	ug/L #	73
27) 1,2-Dichloroethane	5.788	62	9020	0.680	ug/L	97
29) 1,1,1-Trichloroethane	5.303	97	183731	10.219	ug/L	100
31) Carbon tetrachloride	5.306	117	23884	1.560	ug/L	97
34) Trichloroethene	6.534	95	38337	2.969	ug/L	97
35) Methylcyclohexane	6.682	83	13798	0.709	ug/L #	25
37) 1,2-Dichloropropane	6.679	63	6239	0.514	ug/L #	89
42) Toluene	7.959	91	184016	3.574	ug/L	99
47) Tetrachloroethene	8.544	164	437197	45.059	ug/L	97
49) Dibromochloromethane	8.544	129	428921	46.252	ug/L #	10
51) Chlorobenzene	9.438	112	76647	2.313	ug/L	96
52) Ethylbenzene	9.563	91	83124	1.516	ug/L	98
53) m,p-Xylene	9.682	106	64715	3.084	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 19 03:37:44 2024
Response via : Initial Calibration

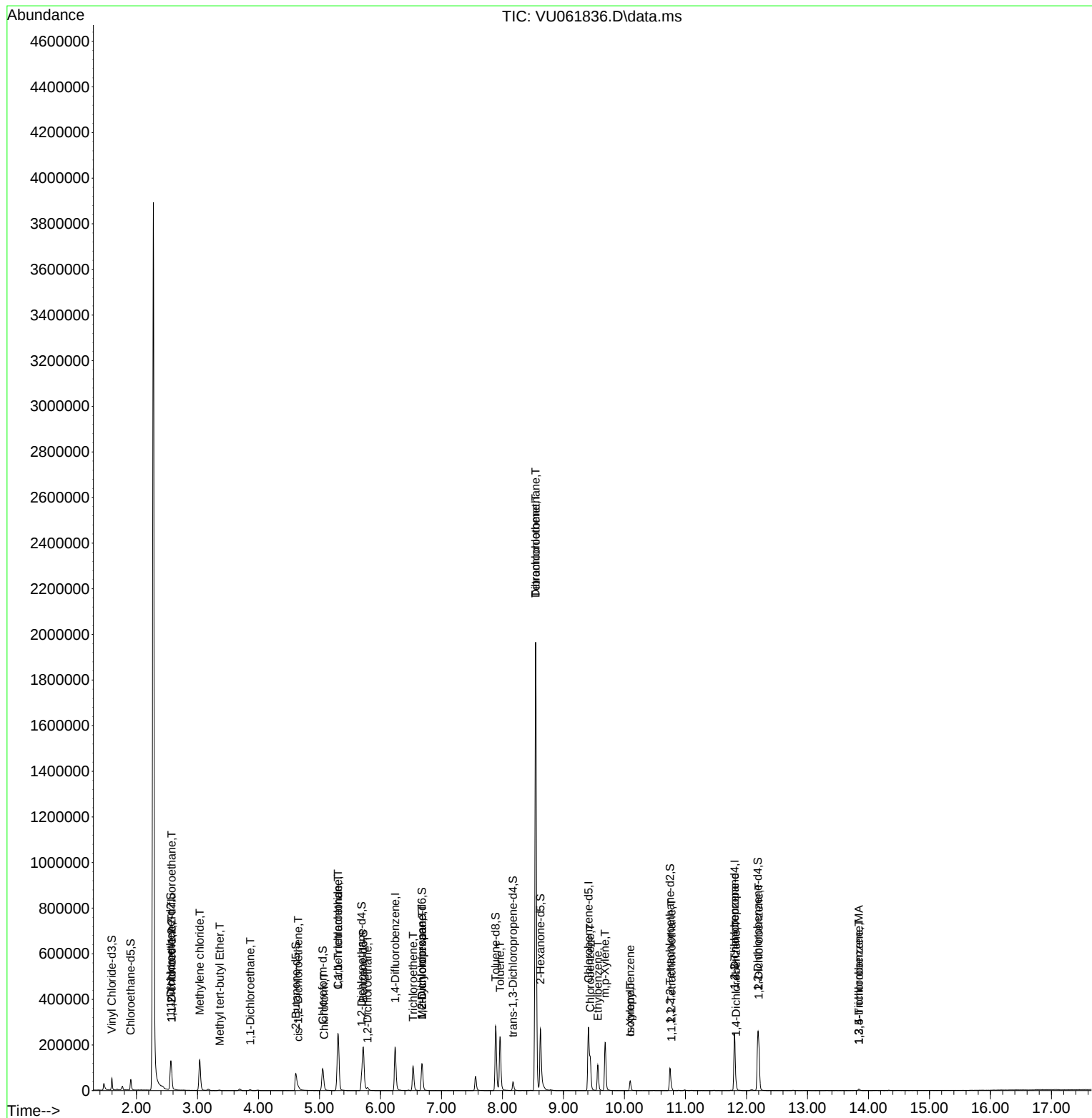
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.094	106	12527	0.614	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	5217	0.485	ug/L	97
60) Isopropylbenzene	10.094	105	5227	0.110	ug/L #	22
61) 1,2,3-Trichloropropane	11.804	75	10483	1.622	ug/L #	61
65) 1,4-Dichlorobenzene	11.830	146	7279	0.329	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	65188	3.213	ug/L	96
69) 1,3,5-Trichlorobenzene	13.843	180	3200	0.210	ug/L	97
70) 1,2,4-trichlorobenzene	13.843	180	3200	0.271	ug/L	98

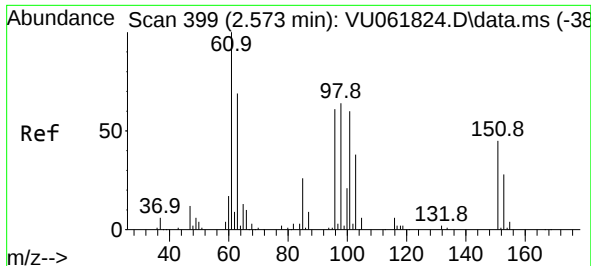
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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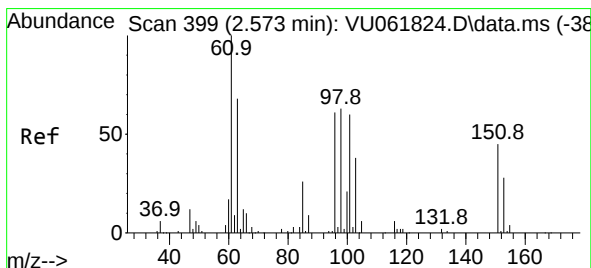
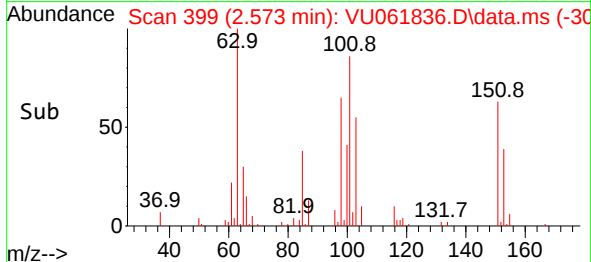
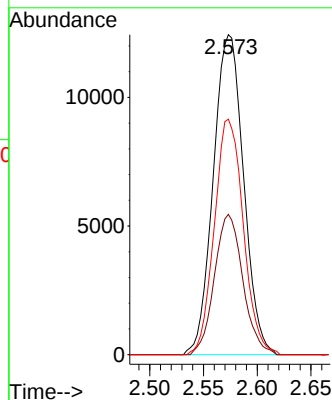
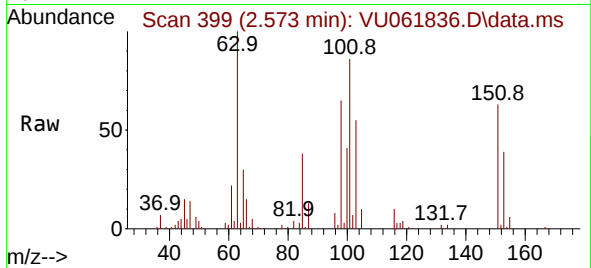




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.268 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU061836.D
 Acq: 19 Nov 2024 01:48

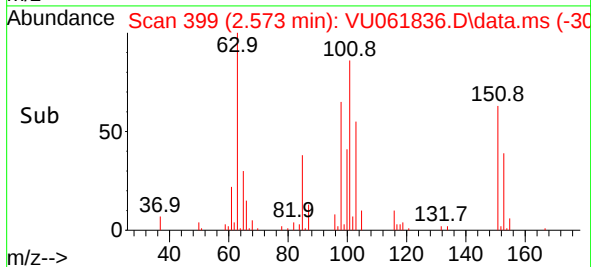
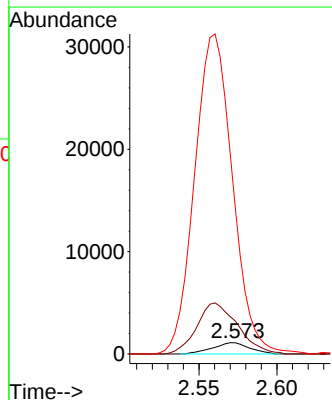
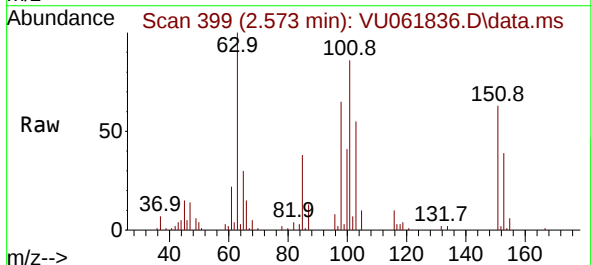
Instrument :
 MSVOA_U
 ClientSampleId :

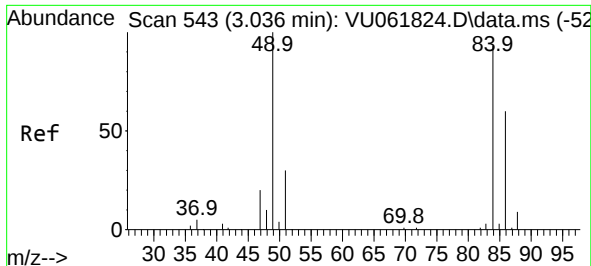
Tgt Ion:101 Resp: 24380
 Ion Ratio Lower Upper
 101 100
 85 41.1 35.1 52.7
 151 70.3 56.9 85.3



#12
 1,1-Dichloroethene
 Concen: 0.180 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU061836.D
 Acq: 19 Nov 2024 01:48

Tgt Ion: 96 Resp: 1802
 Ion Ratio Lower Upper
 96 100
 61 295.1 116.8 217.0#
 63 1323.3 86.1 159.9#

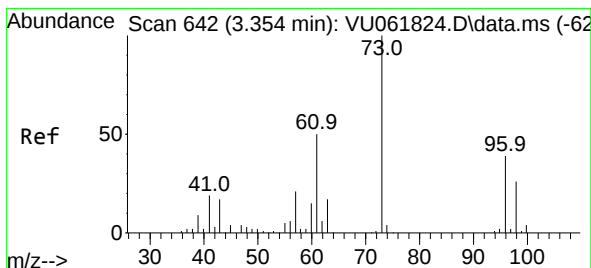
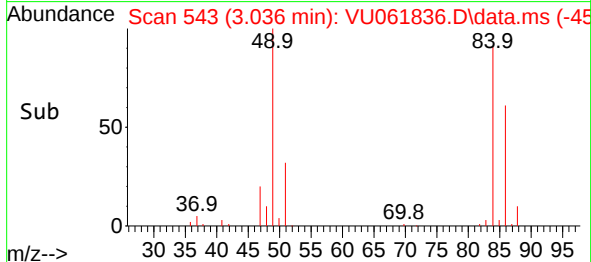
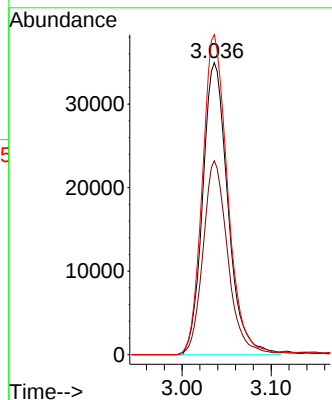
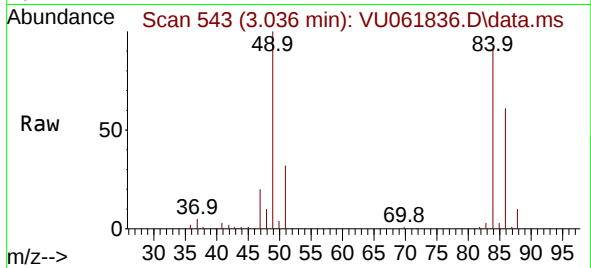




#16
Methylene chloride
Concen: 5.960 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

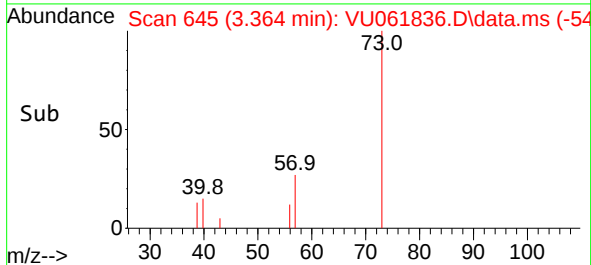
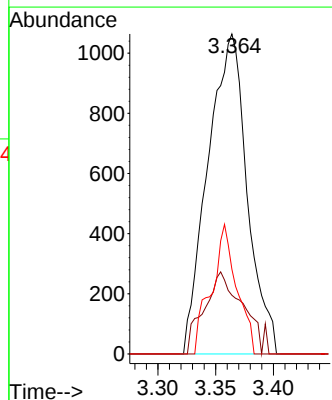
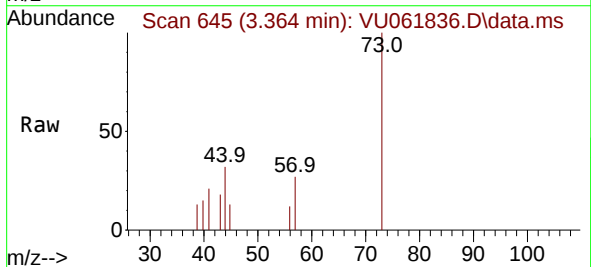
Instrument :
MSVOA_U
ClientSampleId :

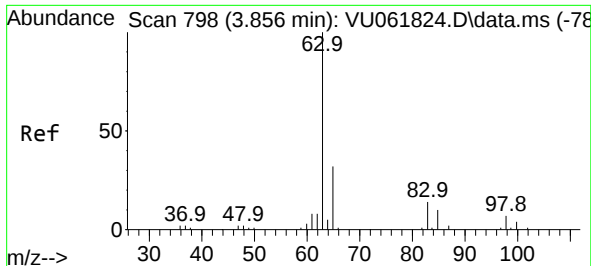
Tgt Ion: 84 Resp: 68934
Ion Ratio Lower Upper
84 100
86 66.4 45.1 83.7
49 109.6 76.3 141.7



#17
Methyl tert-butyl Ether
Concen: 0.102 ug/L
RT: 3.364 min Scan# 645
Delta R.T. 0.010 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

Tgt Ion: 73 Resp: 2516
Ion Ratio Lower Upper
73 100
43 25.4 14.2 21.4#
57 26.1 16.9 25.3#





#19

1,1-Dichloroethane

Concen: 0.260 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.010 min

Lab File: VU061836.D

Acq: 19 Nov 2024 01:48

Instrument :

MSVOA_U

ClientSampleId :

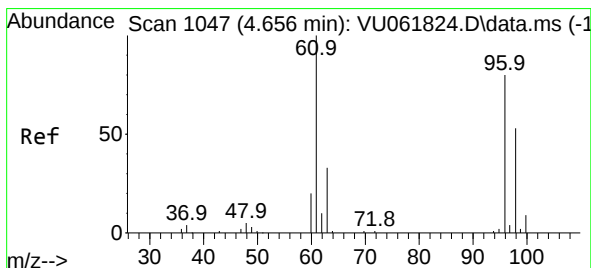
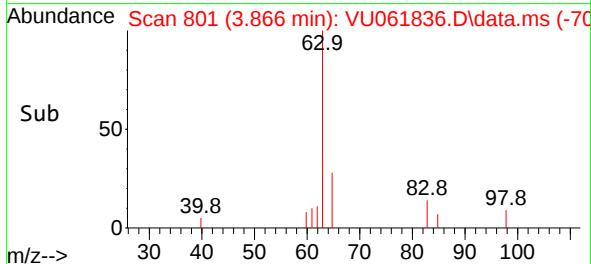
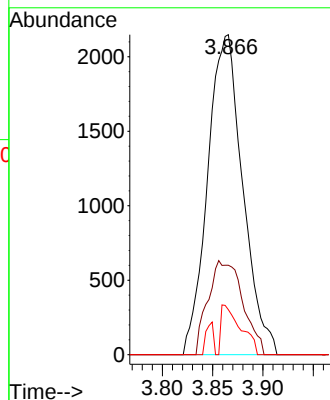
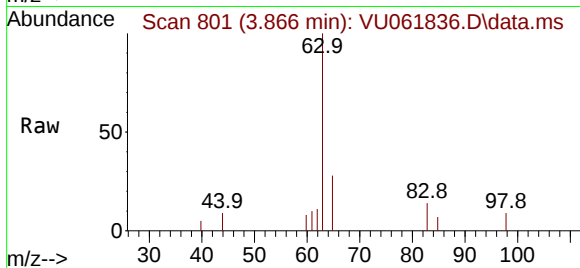
Tgt Ion: 63 Resp: 5208

Ion Ratio Lower Upper

63 100

65 28.0 23.4 43.4

83 14.1 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 0.260 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.003 min

Lab File: VU061836.D

Acq: 19 Nov 2024 01:48

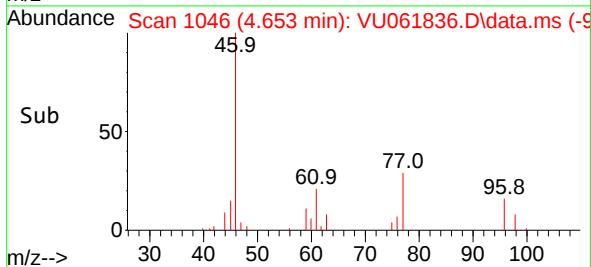
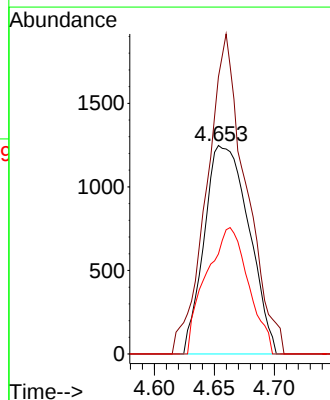
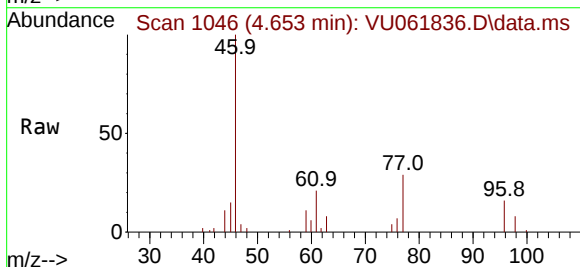
Tgt Ion: 96 Resp: 3227

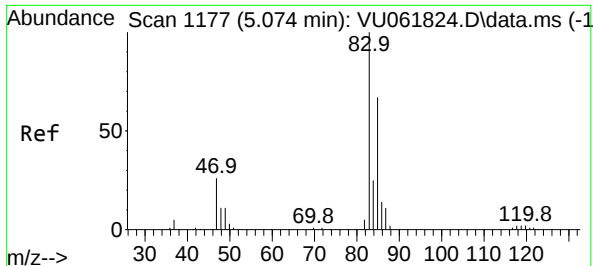
Ion Ratio Lower Upper

96 100

61 132.9 85.6 159.0

98 48.0 45.6 84.8





#25

Chloroform

Concen: 0.199 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU061836.D

Acq: 19 Nov 2024 01:48

Instrument :

MSVOA_U

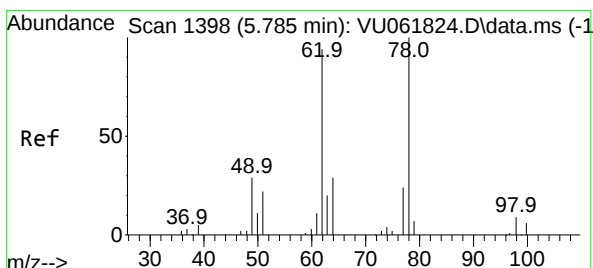
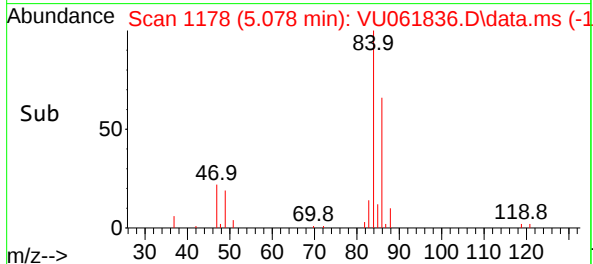
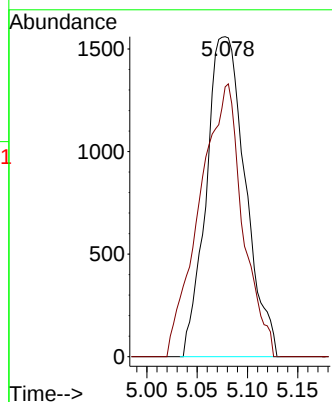
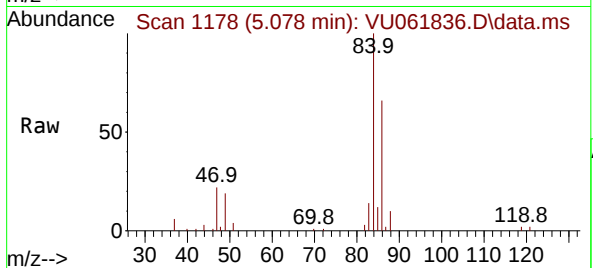
ClientSampleId :

Tgt Ion: 83 Resp: 4212

Ion Ratio Lower Upper

83 100

85 84.3 44.1 81.9#



#27

1,2-Dichloroethane

Concen: 0.680 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU061836.D

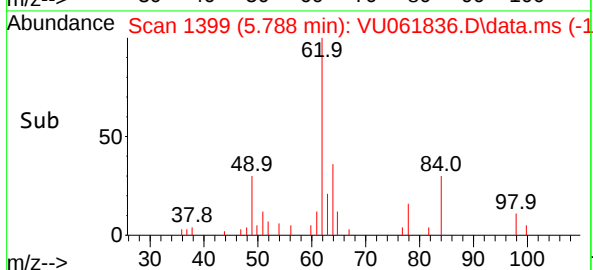
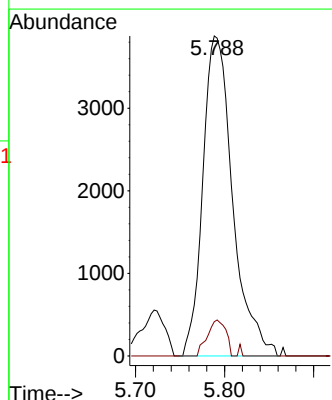
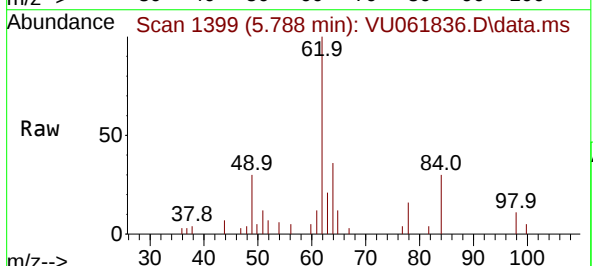
Acq: 19 Nov 2024 01:48

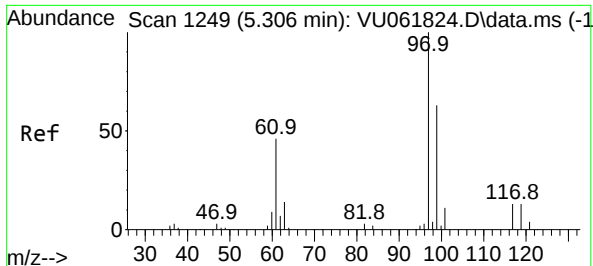
Tgt Ion: 62 Resp: 9020

Ion Ratio Lower Upper

62 100

98 10.7 7.7 11.5

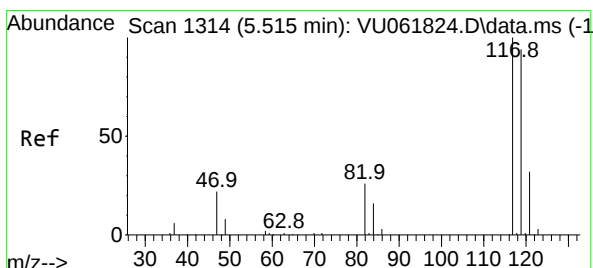
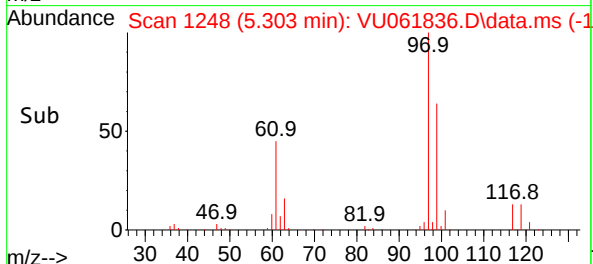
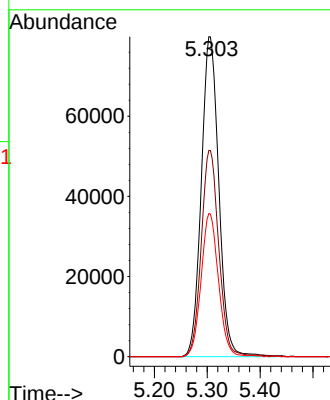
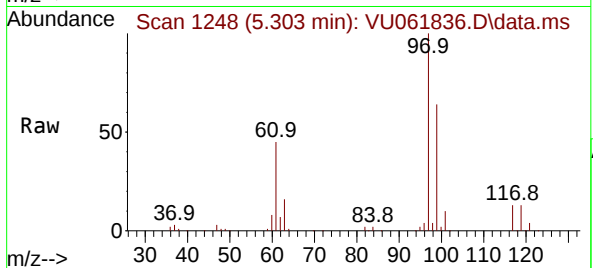




#29
1,1,1-Trichloroethane
Concen: 10.219 ug/L
RT: 5.303 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

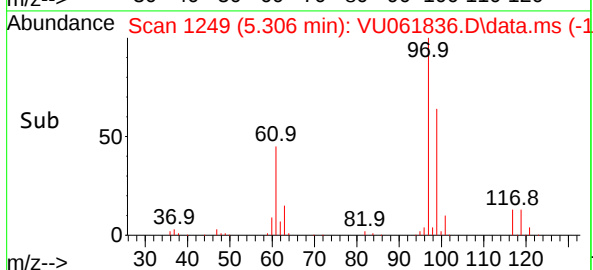
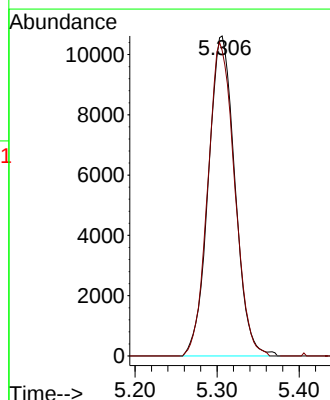
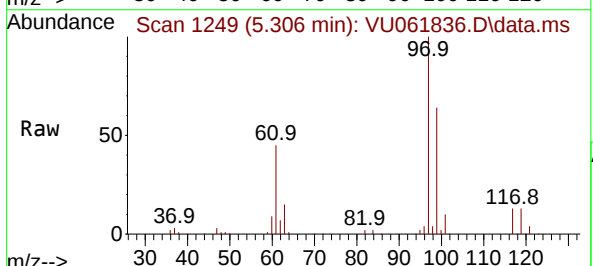
Instrument :
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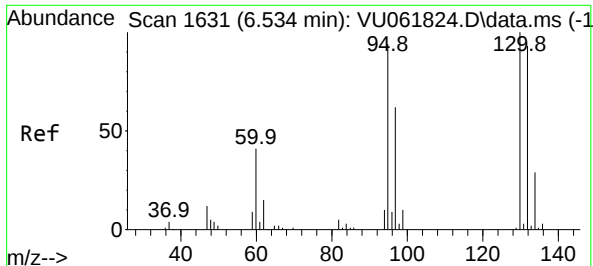
Tgt Ion: 97 Resp: 183731
Ion Ratio Lower Upper
97 100
99 64.6 51.7 77.5
61 44.2 35.4 53.0



#31
Carbon tetrachloride
Concen: 1.560 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.209 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

Tgt Ion:117 Resp: 23884
Ion Ratio Lower Upper
117 100
119 98.8 76.6 114.8





#34

Trichloroethene

Concen: 2.969 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU061836.D

Acq: 19 Nov 2024 01:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 38337

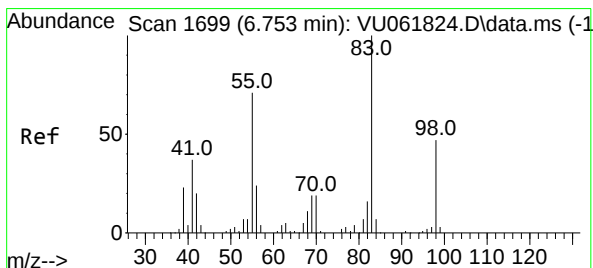
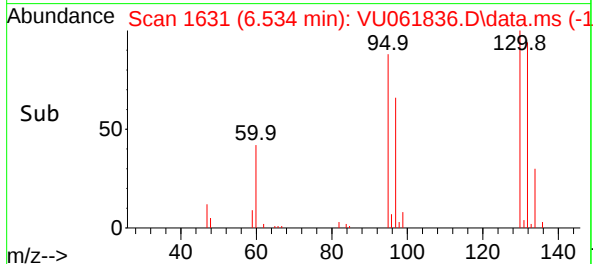
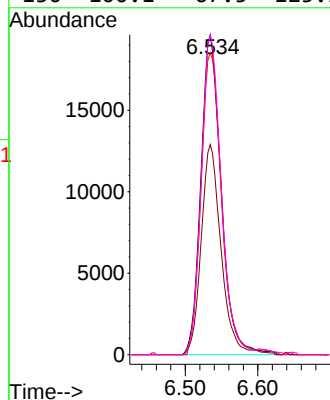
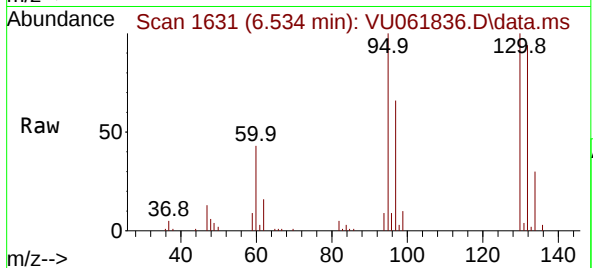
Ion Ratio Lower Upper

95 100

97 65.7 43.5 80.9

132 94.4 65.2 121.0

130 100.1 67.5 125.3



#35

Methylcyclohexane

Concen: 0.709 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.070 min

Lab File: VU061836.D

Acq: 19 Nov 2024 01:48

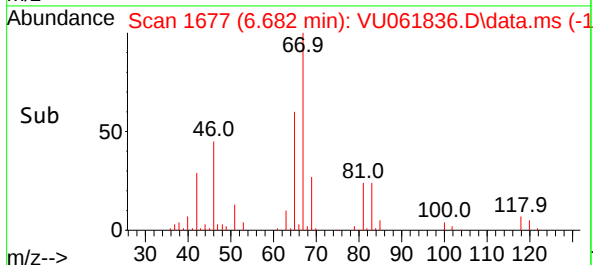
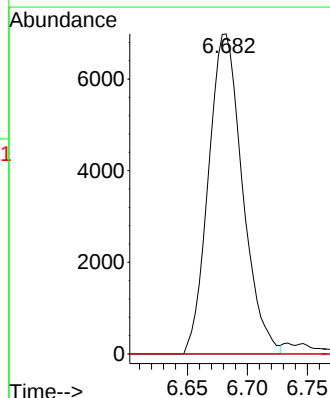
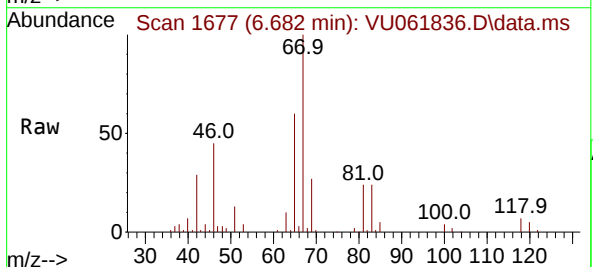
Tgt Ion: 83 Resp: 13798

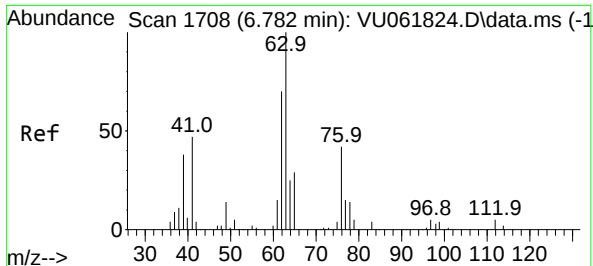
Ion Ratio Lower Upper

83 100

55 0.0 56.4 84.6#

98 7.4 37.7 56.5#

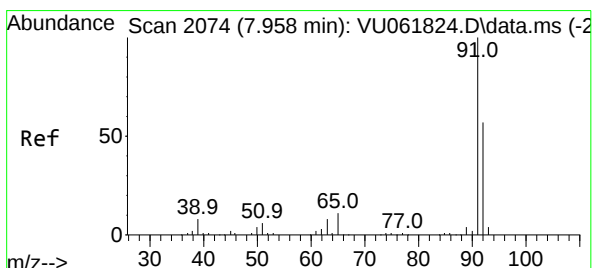
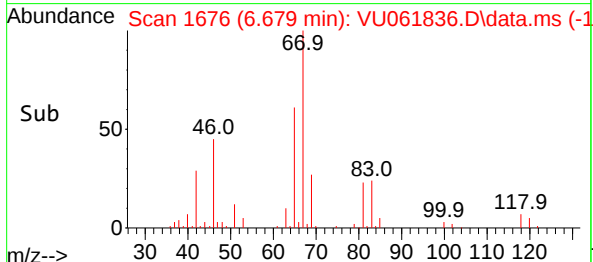
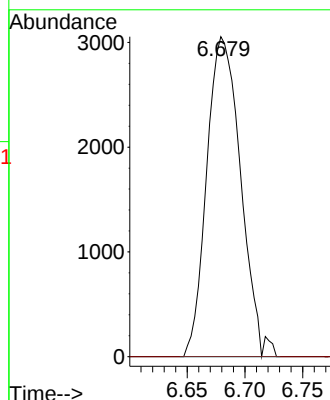
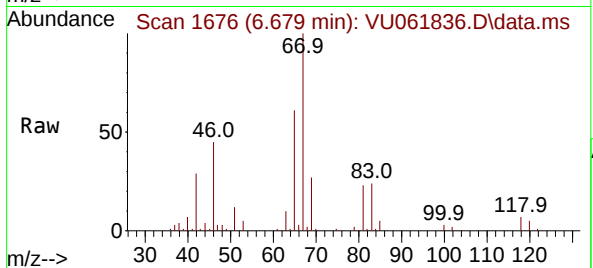




#37
1,2-Dichloropropane
Concen: 0.514 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

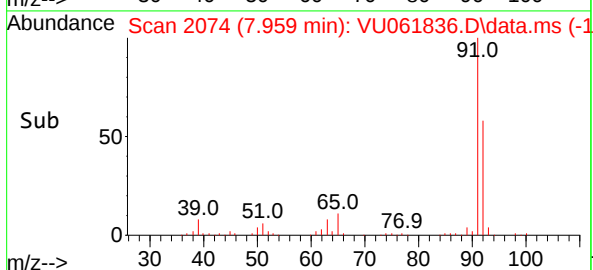
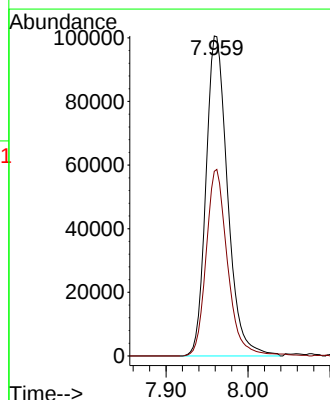
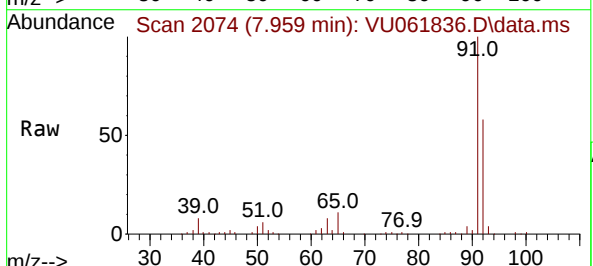
Instrument :
MSVOA_U
ClientSampleId :

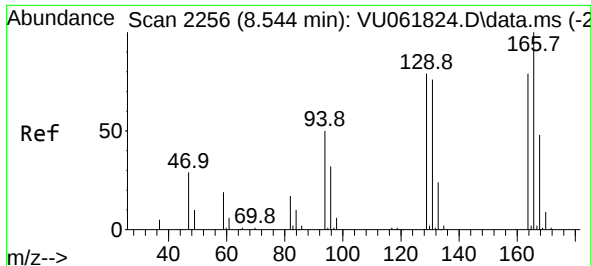
Tgt Ion: 63 Resp: 6239
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



#42
Toluene
Concen: 3.574 ug/L
RT: 7.959 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

Tgt Ion: 91 Resp: 184016
Ion Ratio Lower Upper
91 100
92 57.7 39.7 73.7





#47

Tetrachloroethene

Concen: 45.059 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

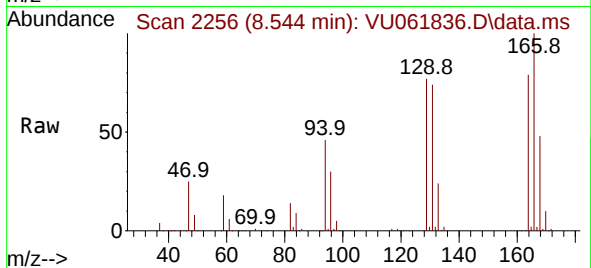
Lab File: VU061836.D

Acq: 19 Nov 2024 01:48

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 437197

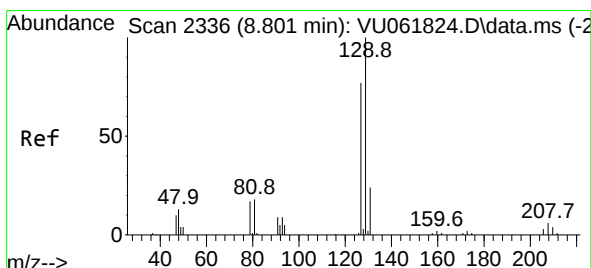
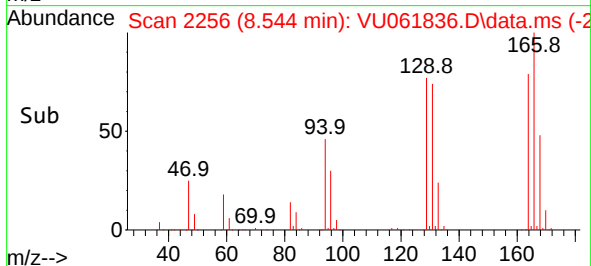
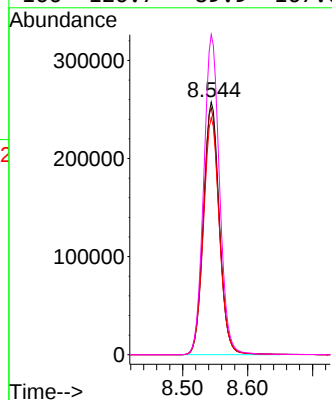
Ion Ratio Lower Upper

164 100

129 97.7 71.7 133.3

131 93.8 68.2 126.6

166 126.7 89.9 167.0



#49

Dibromochloromethane

Concen: 46.252 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.257 min

Lab File: VU061836.D

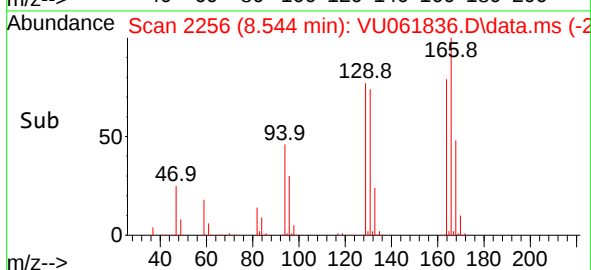
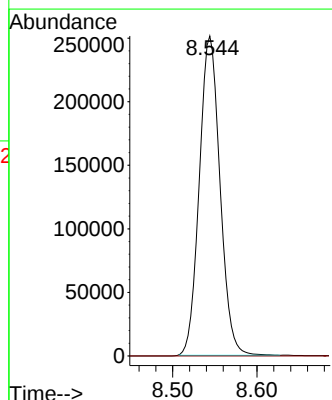
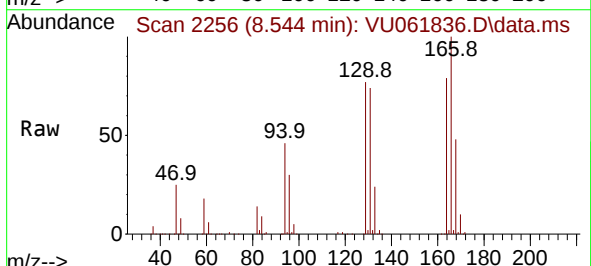
Acq: 19 Nov 2024 01:48

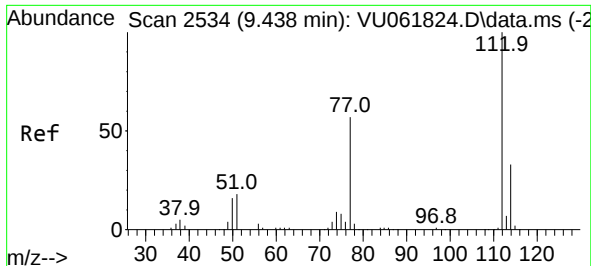
Tgt Ion:129 Resp: 428921

Ion Ratio Lower Upper

129 100

127 0.0 55.1 102.3#

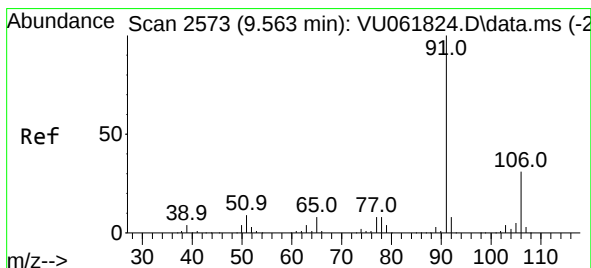
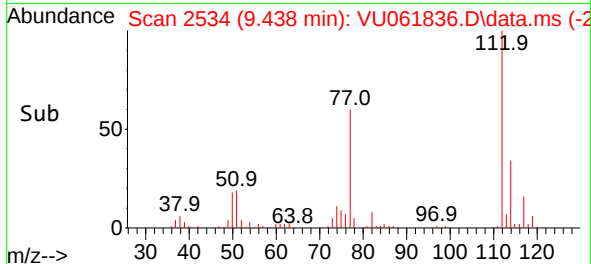
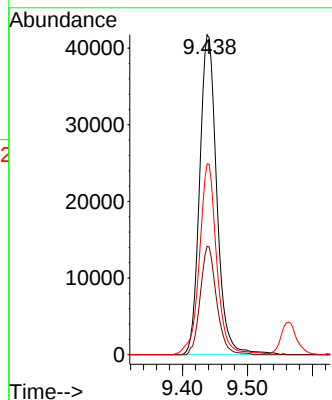
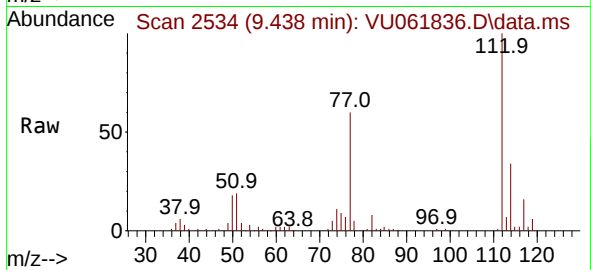




#51
Chlorobenzene
Concen: 2.313 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

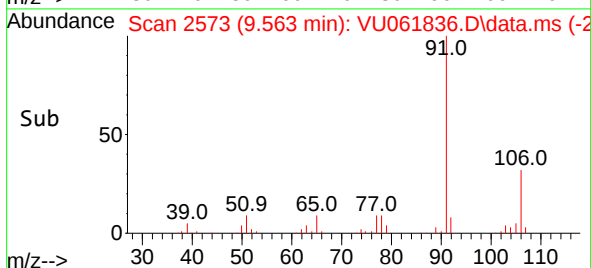
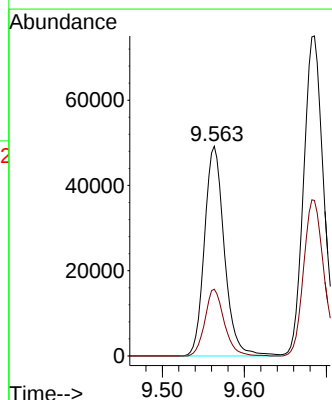
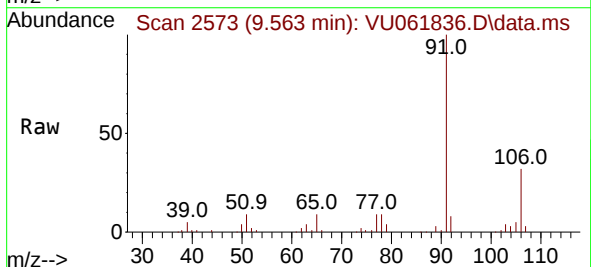
Instrument :
MSVOA_U
ClientSampleId :

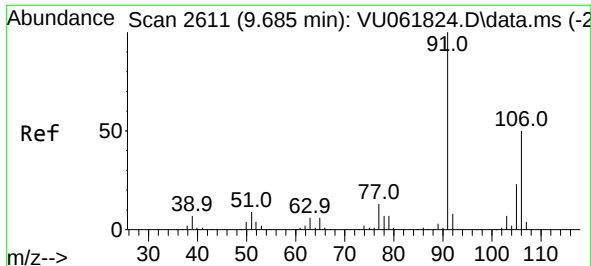
Tgt Ion:112 Resp: 76647
Ion Ratio Lower Upper
112 100
114 33.9 22.5 41.9
77 59.6 45.3 67.9



#52
Ethylbenzene
Concen: 1.516 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

Tgt Ion: 91 Resp: 83124
Ion Ratio Lower Upper
91 100
106 31.8 21.7 40.3

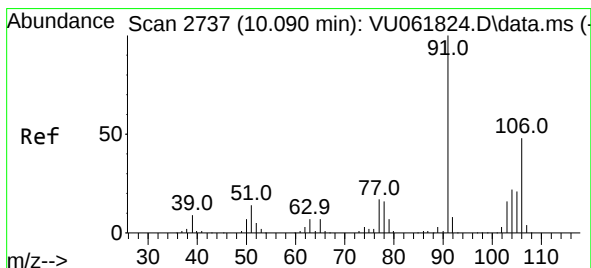
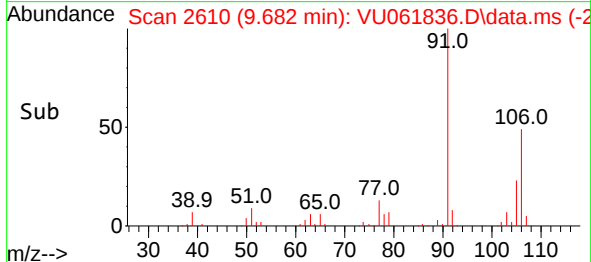
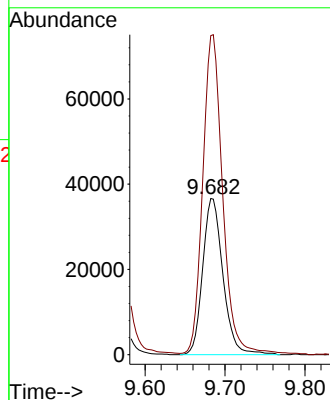
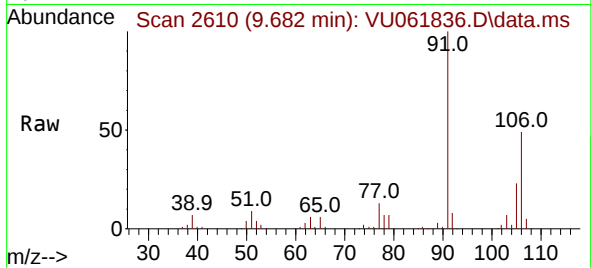




#53
m,p-Xylene
Concen: 3.084 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

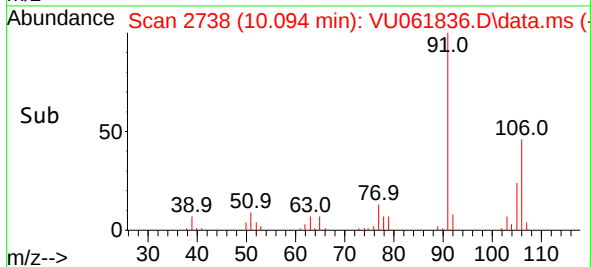
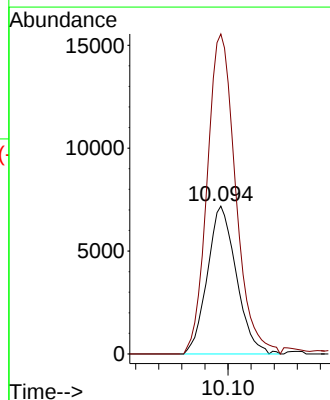
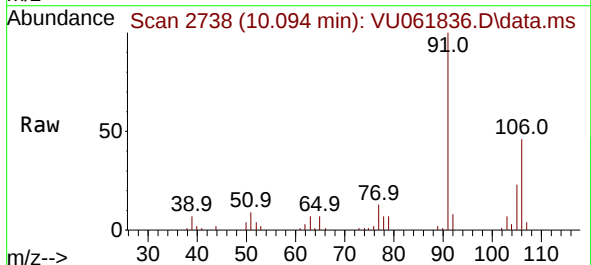
Instrument :
MSVOA_U
ClientSampleId :

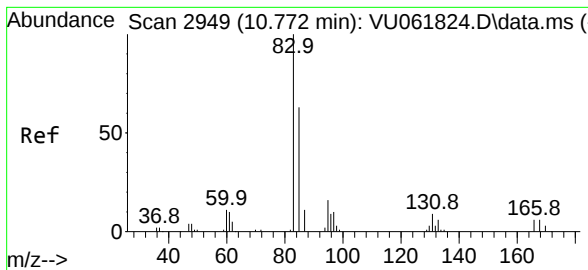
Tgt Ion:106 Resp: 64715
Ion Ratio Lower Upper
106 100
91 204.3 140.4 260.8



#54
o-Xylene
Concen: 0.614 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

Tgt Ion:106 Resp: 12527
Ion Ratio Lower Upper
106 100
91 216.5 151.3 280.9

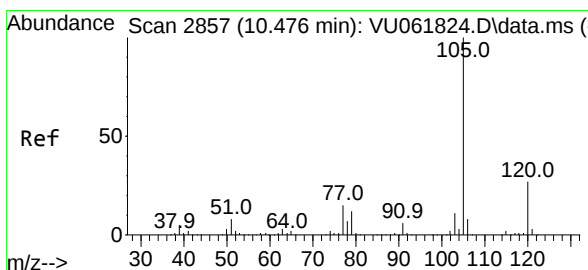
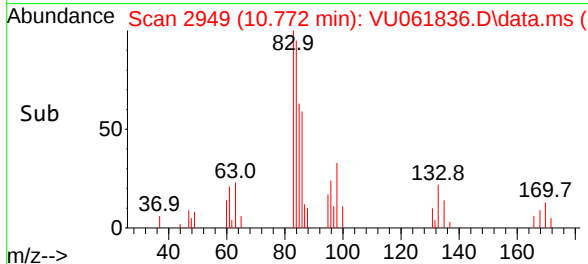
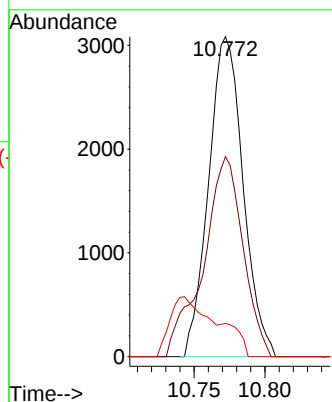
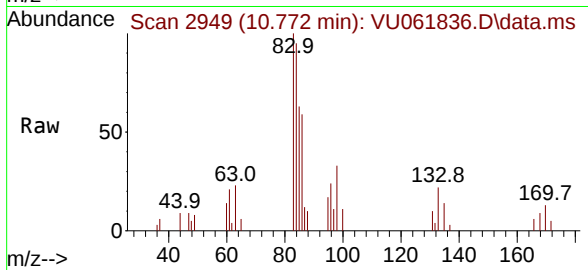




#57
1,1,2,2-Tetrachloroethane
Concen: 0.485 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

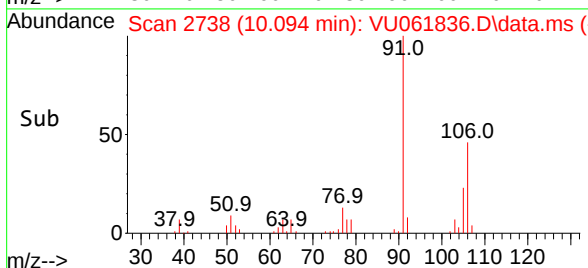
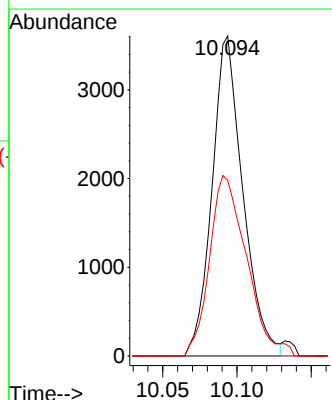
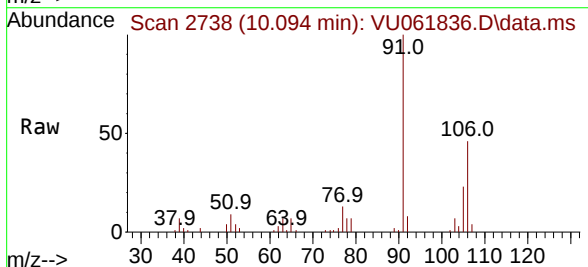
Instrument :
MSVOA_U
ClientSampleId :

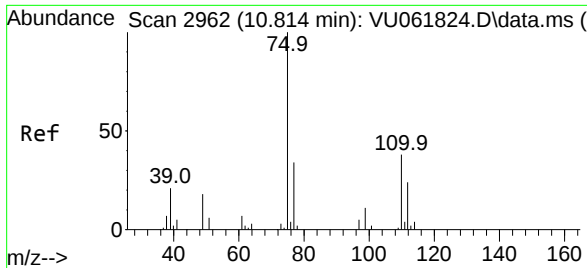
Tgt Ion:	83	Resp:	5217
Ion	Ratio	Lower	Upper
83	100		
85	62.5	41.9	77.9
131	10.4	7.8	11.6



#60
Isopropylbenzene
Concen: 0.110 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.382 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

Tgt Ion:	105	Resp:	5227
Ion	Ratio	Lower	Upper
105	100		
120	0.0	21.6	32.4#
77	67.3	12.8	19.2#

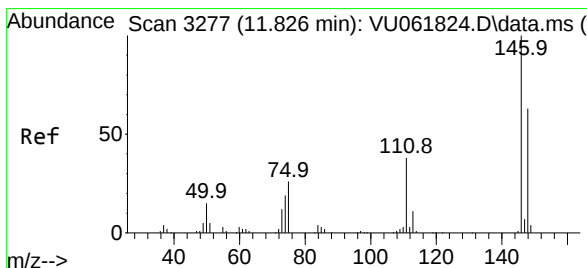
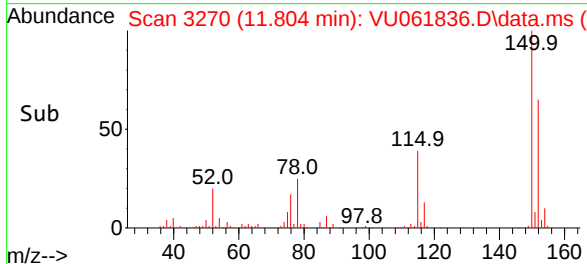
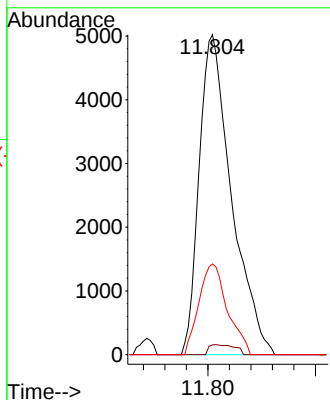
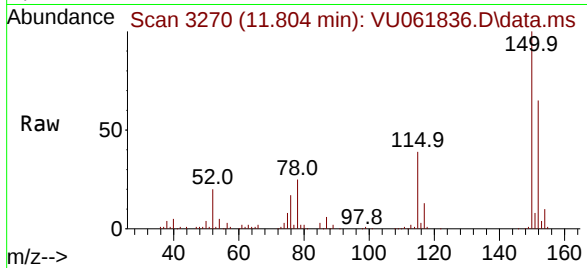




#61
1,2,3-Trichloropropane
Concen: 1.622 ug/L
RT: 11.804 min Scan# 31
Delta R.T. 0.991 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

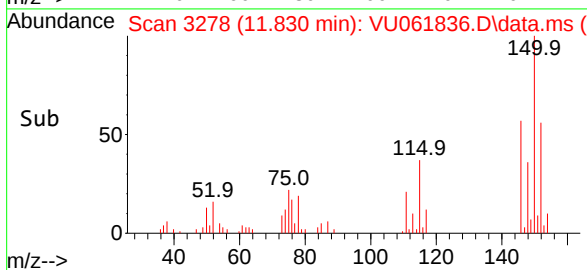
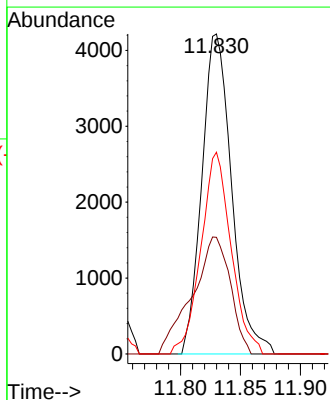
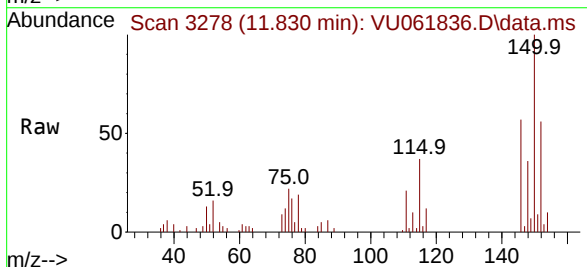
Instrument :
MSVOA_U
ClientSampleId :

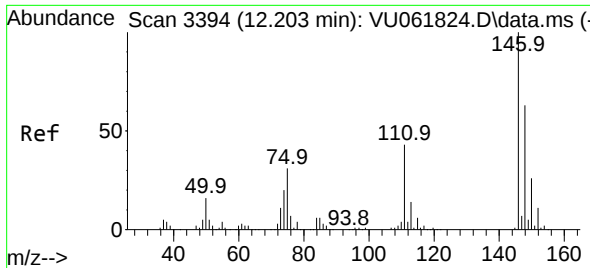
Tgt Ion: 75 Resp: 10483
Ion Ratio Lower Upper
75 100
110 2.5 31.3 46.9#
77 25.0 26.0 39.0#



#65
1,4-Dichlorobenzene
Concen: 0.329 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU061836.D
Acq: 19 Nov 2024 01:48

Tgt Ion:146 Resp: 7279
Ion Ratio Lower Upper
146 100
111 40.3 28.8 53.4
148 63.1 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 3.213 ug/L

RT: 12.203 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU061836.D

Acq: 19 Nov 2024 01:48

Instrument :

MSVOA_U

ClientSampleId :

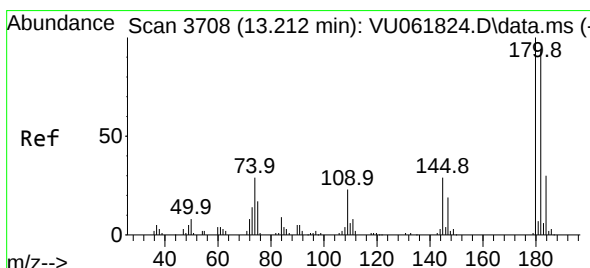
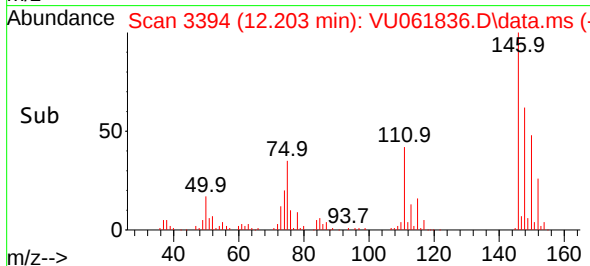
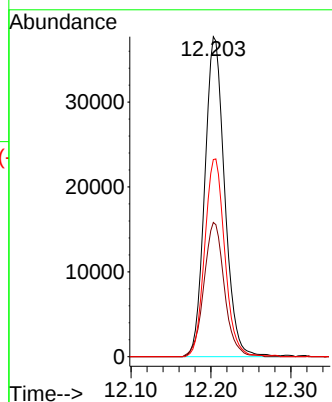
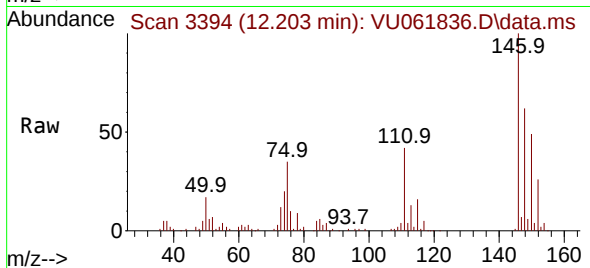
Tgt Ion:146 Resp: 65188

Ion Ratio Lower Upper

146 100

111 41.9 35.2 52.8

148 61.6 52.6 79.0



#69

1,3,5-Trichlorobenzene

Concen: 0.210 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.630 min

Lab File: VU061836.D

Acq: 19 Nov 2024 01:48

Tgt Ion:180 Resp: 3200

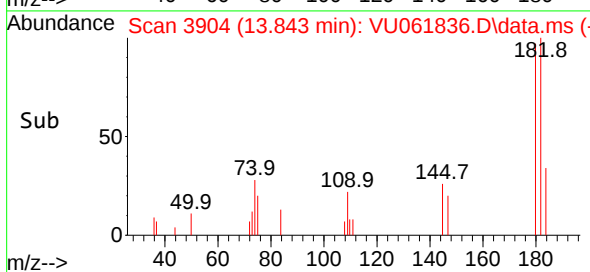
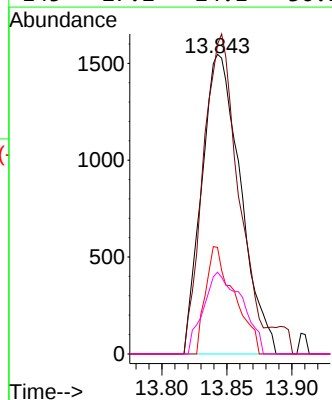
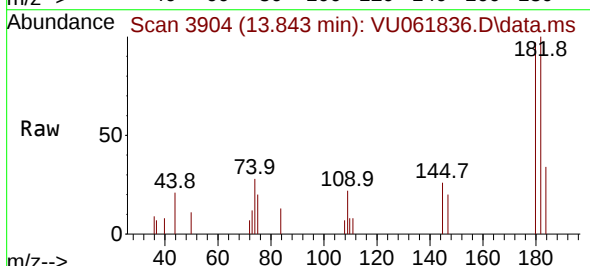
Ion Ratio Lower Upper

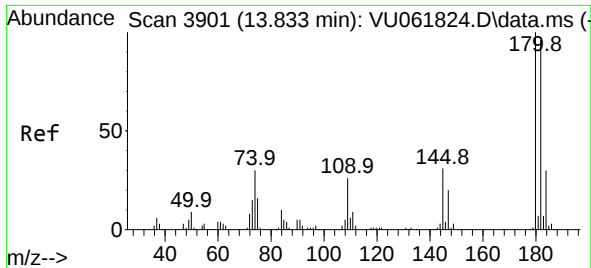
180 100

182 97.3 77.1 115.7

184 26.5 24.7 37.1

145 27.2 24.1 36.1





#70

1,2,4-trichlorobenzene

Concen: 0.271 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.010 min

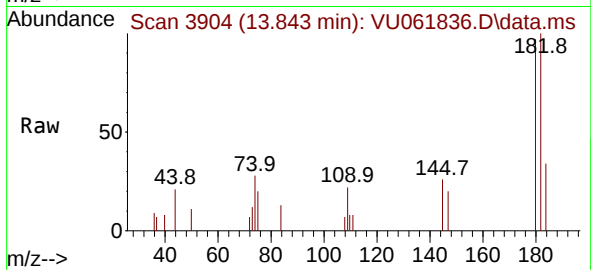
Lab File: VU061836.D

Acq: 19 Nov 2024 01:48

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 3200

Ion Ratio Lower Upper

180 100

182 97.3 77.4 116.0

145 27.2 24.5 36.7

