

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120924\
 Data File : VU062177.D
 Acq On : 09 Dec 2024 23:06
 Operator : MD/SY
 Sample : P5107-21MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 00:37:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 10 00:32:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	106335	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	101227	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	52860	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	34435	4.801	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.000%
7) Chloroethane-d5	1.907	69	29931	5.867	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.400%
11) 1,1-Dichloroethene-d2	2.557	65	17176	5.034	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.600%
20) 2-Butanone-d5	4.621	46	152416	110.882	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	221.760%#
24) Chloroform-d	5.052	84	117697	7.582	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	151.600%#
26) 1,2-Dichloroethane-d4	5.692	65	65401	8.568	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	171.400%#
32) Benzene-d6	5.718	84	189677	6.506	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	130.200%#
36) 1,2-Dichloropropane-d6	6.679	67	63315	7.590	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	151.800%#
41) Toluene-d8	7.888	98	167613	6.086	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.800%
43) trans-1,3-Dichloroprop...	8.174	79	27300	7.435	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	148.600%#
46) 2-Hexanone-d5	8.624	63	109580	98.921	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	197.840%#
56) 1,1,2,2-Tetrachloroeth...	10.746	84	62520	9.632	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	192.600%#
66) 1,2-Dichlorobenzene-d4	12.184	152	77555	7.962	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	159.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	44620	4.480	ug/L	98
3) Chloromethane	1.515	50	31668	4.056	ug/L	98
5) Vinyl chloride	1.599	62	34156	4.202	ug/L	98
6) Bromomethane	1.853	94	22104	4.079	ug/L	98
8) Chloroethane	1.927	64	19318	4.243	ug/L	99
9) Trichlorofluoromethane	2.133	101	63551	4.504	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	33271	4.332	ug/L	91
12) 1,1-Dichloroethene	2.573	96	30719	4.279	ug/L	87
13) Acetone	2.641	43	51517	55.045	ug/L	94
14) Carbon disulfide	2.785	76	82785	3.646	ug/L	100
15) Methyl Acetate	2.956	43	6971	2.972	ug/L #	88
16) Methylene chloride	3.036	84	34922	4.634	ug/L	90
17) Methyl tert-butyl Ether	3.354	73	86394	4.830	ug/L	96
18) trans-1,2-Dichloroethene	3.345	96	32740	4.438	ug/L	88
19) 1,1-Dichloroethane	3.859	63	62549	4.626	ug/L	97
21) 2-Butanone	4.702	43	75144	55.286	ug/L	98
22) cis-1,2-Dichloroethene	4.653	96	58722	7.102	ug/L	95
23) Bromochloromethane	4.965	128	17288	4.770	ug/L #	83
25) Chloroform	5.078	83	71797	4.714	ug/L	98

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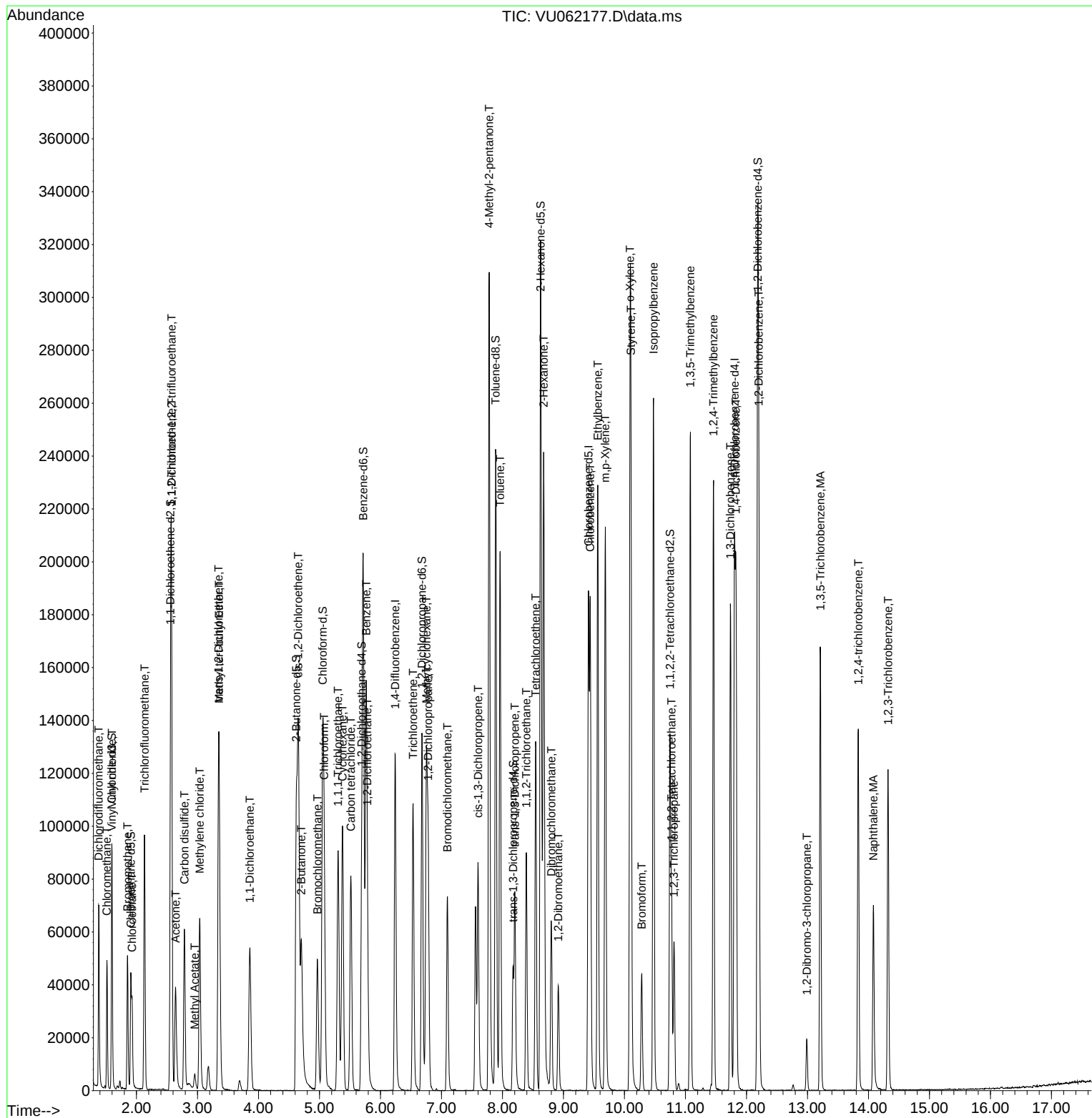
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	44598	4.608	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	69927	4.910	ug/L	95
30) Cyclohexane	5.377	56	48884	4.233	ug/L	93
31) Carbon tetrachloride	5.515	117	58963	4.516	ug/L	99
33) Benzene	5.766	78	138197	4.405	ug/L	100
34) Trichloroethene	6.534	95	39209	4.412	ug/L	97
35) Methylcyclohexane	6.753	83	52702	4.000	ug/L	98
37) 1,2-Dichloropropane	6.782	63	33780	4.422	ug/L	100
38) Bromodichloromethane	7.097	83	50145	4.652	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	53843	4.397	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	183270	51.188	ug/L #	92
42) Toluene	7.962	91	153556	4.540	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	45275	4.528	ug/L	96
45) 1,1,2-Trichloroethane	8.390	97	28494	4.941	ug/L	98
47) Tetrachloroethene	8.544	164	29211	4.258	ug/L	97
48) 2-Hexanone	8.676	43	142568	53.881	ug/L #	93
49) Dibromochloromethane	8.801	129	34179	4.905	ug/L	95
50) 1,2-Dibromoethane	8.914	107	26640	4.807	ug/L #	97
51) Chlorobenzene	9.438	112	98062	4.524	ug/L	97
52) Ethylbenzene	9.563	91	167070	4.405	ug/L	100
53) m,p-Xylene	9.685	106	62648	4.474	ug/L	99
54) o-Xylene	10.090	106	60849	4.468	ug/L	97
55) Styrene	10.107	104	92941	4.140	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	34010	5.067	ug/L	98
59) Bromoform	10.283	173	20923	5.037	ug/L	99
60) Isopropylbenzene	10.476	105	170275	4.459	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	23785	4.866	ug/L	95
62) 1,3,5-Trimethylbenzene	11.081	105	138637	4.290	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	133791	4.226	ug/L	98
64) 1,3-Dichlorobenzene	11.737	146	76455	4.359	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	76209	4.315	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	73665	4.544	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	5816	5.455	ug/L	92
69) 1,3,5-Trichlorobenzene	13.213	180	53723	4.120	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	43167	4.193	ug/L	98
71) Naphthalene	14.081	128	62389	4.036	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	39034	4.300	ug/L	100

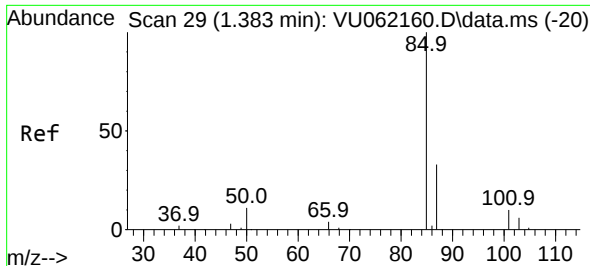
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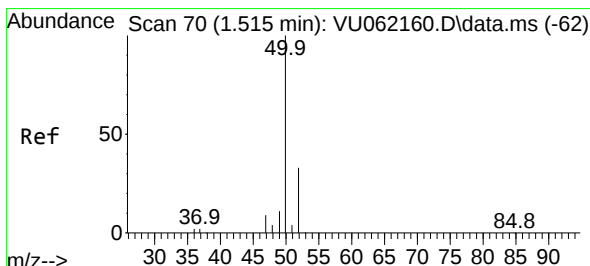
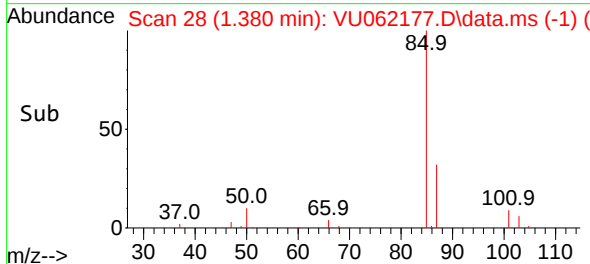
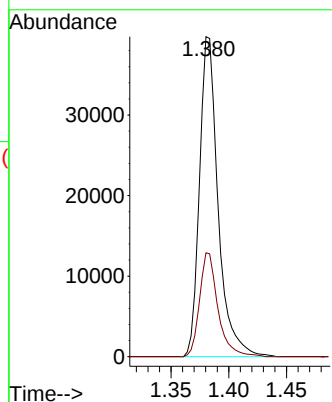
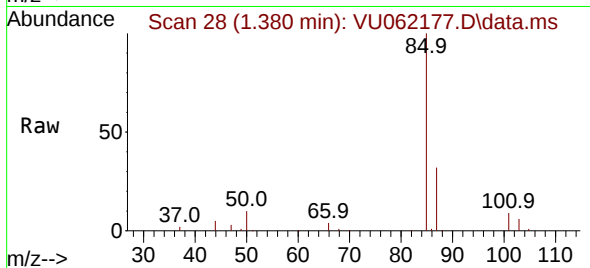




#2
Dichlorodifluoromethane
Concen: 4.480 ug/L
RT: 1.380 min Scan# 29
Delta R.T. -0.003 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

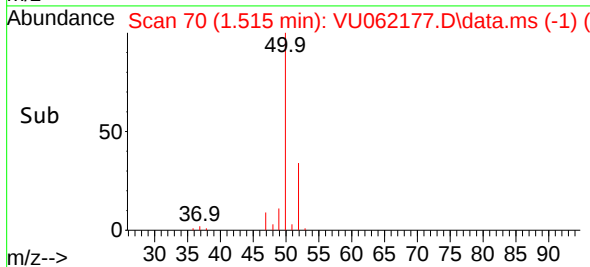
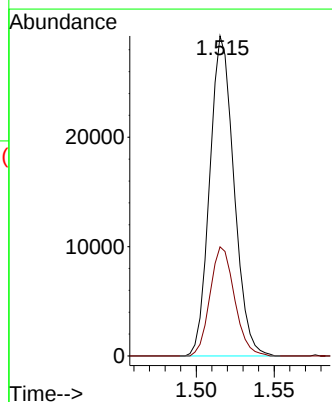
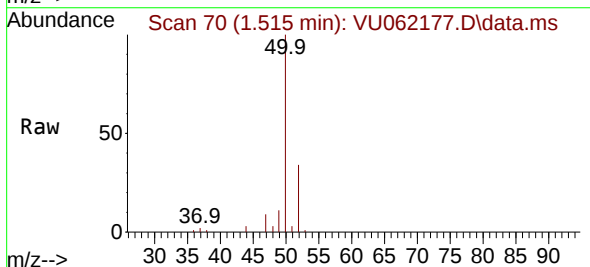
Instrument :
MSVOA_U
ClientSampleId :

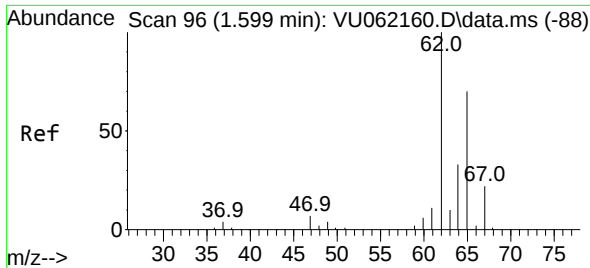
Tgt Ion: 85 Resp: 44620
Ion Ratio Lower Upper
85 100
87 32.1 26.6 40.0



#3
Chloromethane
Concen: 4.056 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Tgt Ion: 50 Resp: 31668
Ion Ratio Lower Upper
50 100
52 34.1 23.1 42.9

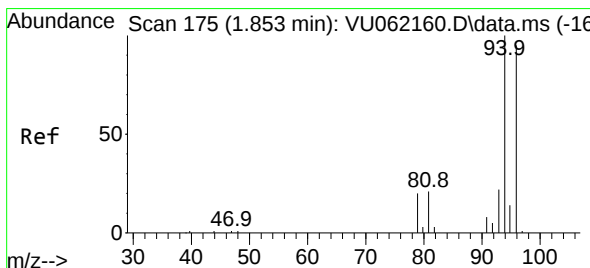
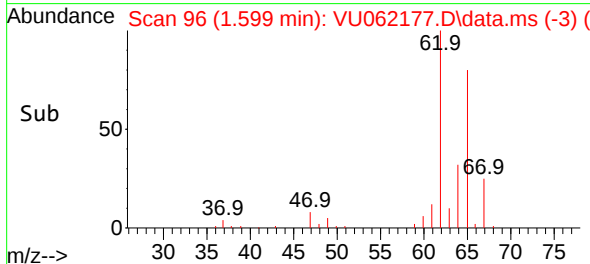
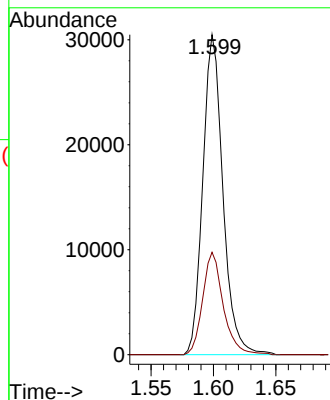
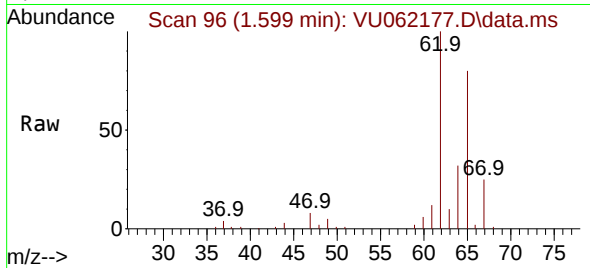




#5
 Vinyl chloride
 Concen: 4.202 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU062177.D
 Acq: 09 Dec 2024 23:06

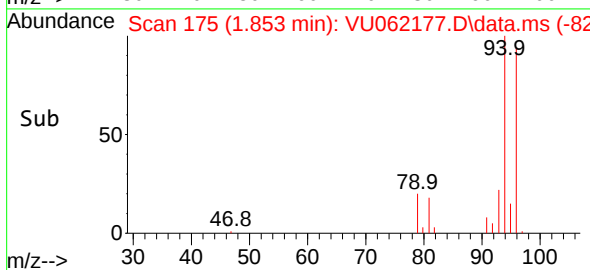
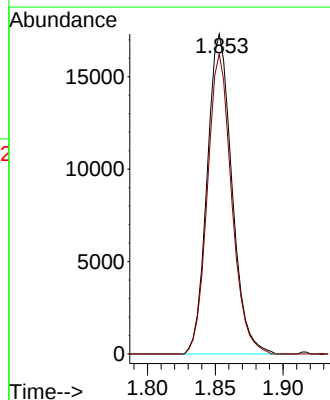
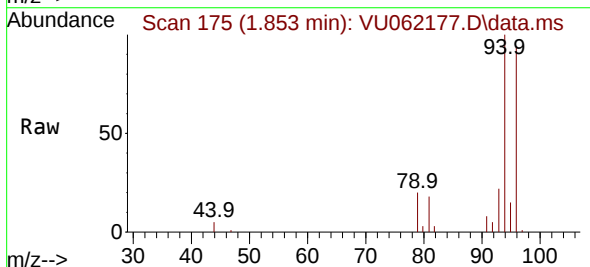
Instrument :
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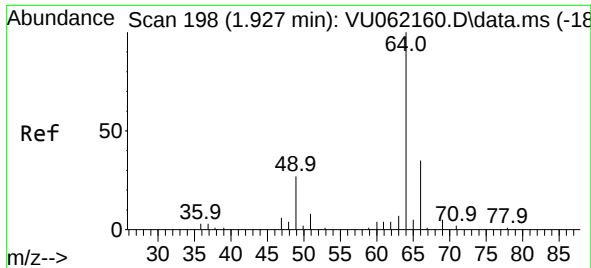
Tgt Ion: 62 Resp: 34156
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.1 42.9



#6
 Bromomethane
 Concen: 4.079 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU062177.D
 Acq: 09 Dec 2024 23:06

Tgt Ion: 94 Resp: 22104
 Ion Ratio Lower Upper
 94 100
 96 93.8 64.5 119.9

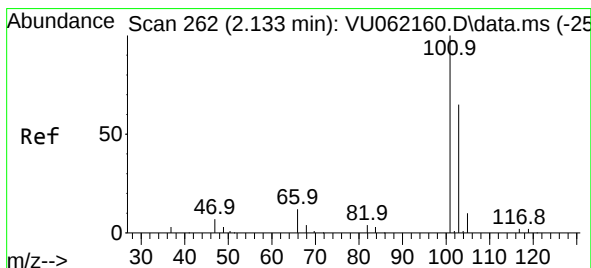
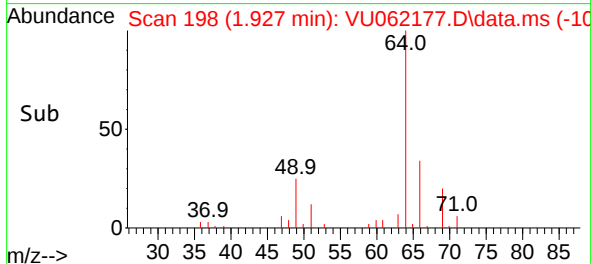
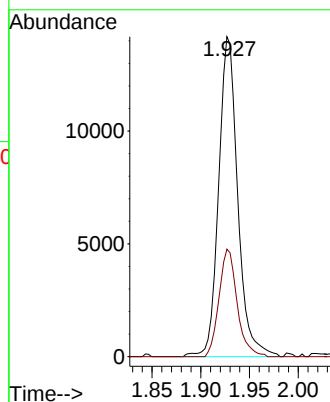
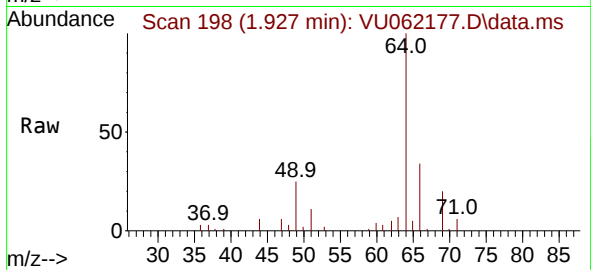




#8
Chloroethane
Concen: 4.243 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

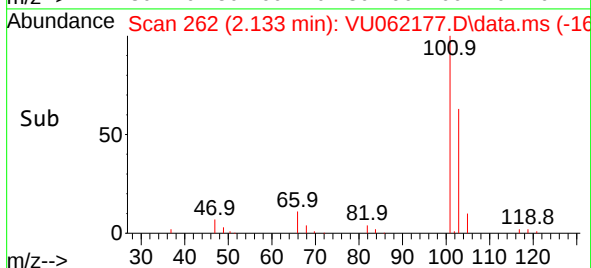
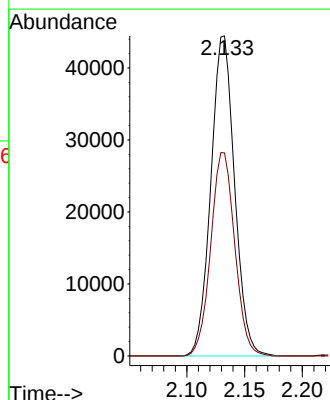
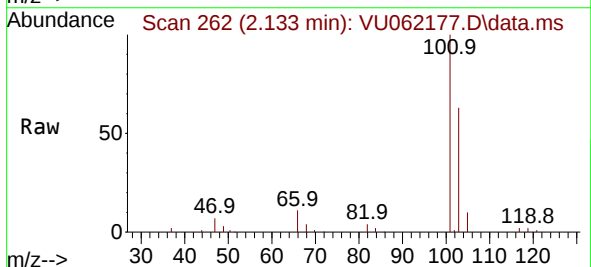
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MSVOA_U
ClientSampleId :

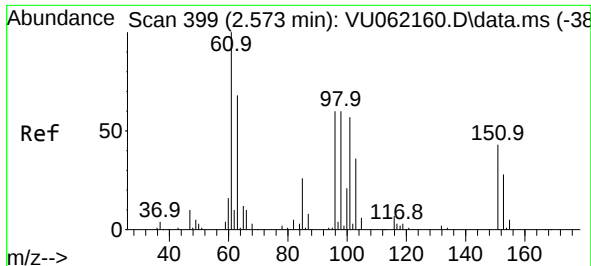
Tgt Ion: 64 Resp: 19318
Ion Ratio Lower Upper
64 100
66 33.6 23.2 43.2



#9
Trichlorofluoromethane
Concen: 4.504 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Tgt Ion:101 Resp: 63551
Ion Ratio Lower Upper
101 100
103 64.4 50.6 75.8

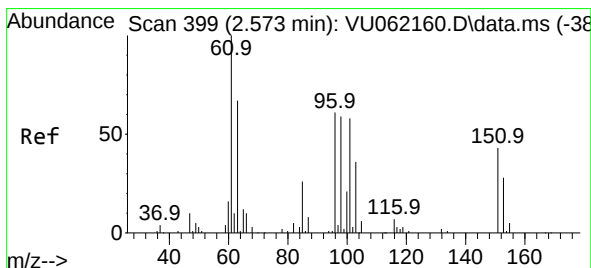
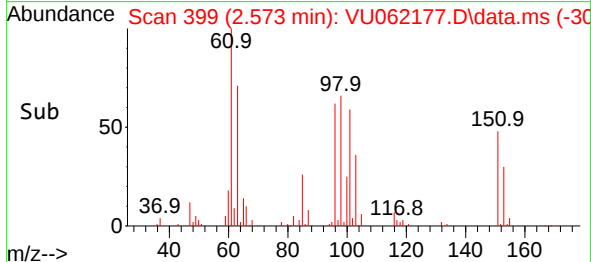
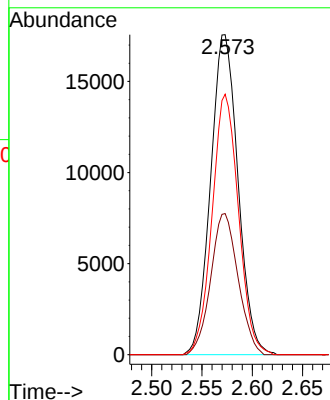
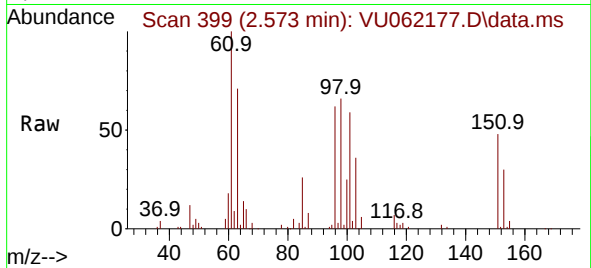




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.332 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU062177.D
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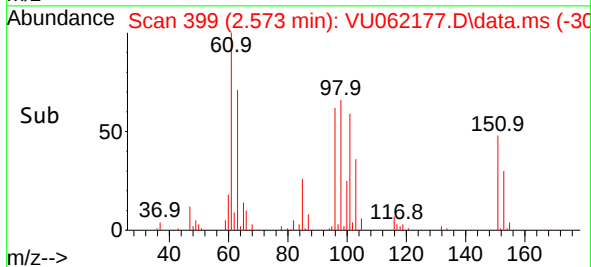
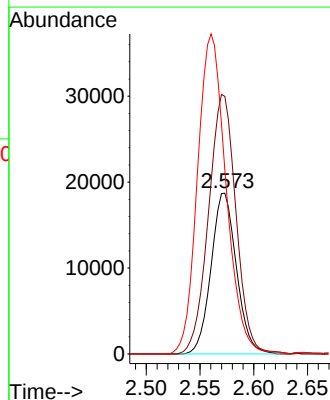
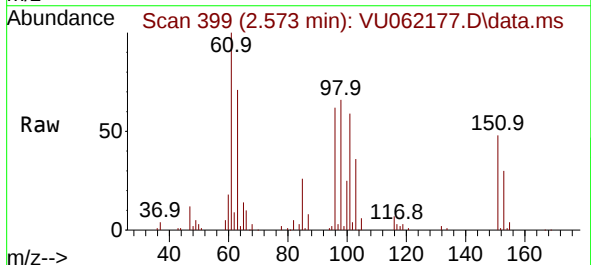
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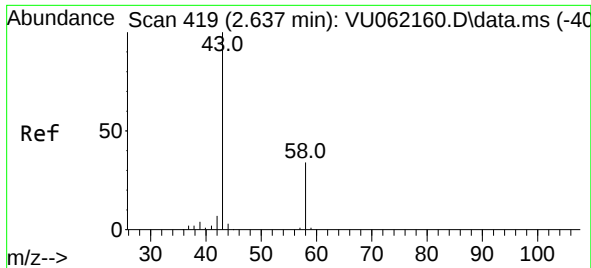
Tgt Ion:	101	Resp:	33271
Ion	Ratio	Lower	Upper
101	100		
85	44.1	38.0	57.0
151	78.4	55.3	82.9



#12
 1,1-Dichloroethene
 Concen: 4.279 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU062177.D
 Acq: 09 Dec 2024 23:06

Tgt Ion:	96	Resp:	30719
Ion	Ratio	Lower	Upper
96	100		
61	160.3	119.6	222.2
63	114.5	65.0	120.6





#13

Acetone

Concen: 55.045 ug/L

RT: 2.641 min Scan# 419

Delta R.T. 0.003 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

Instrument :

MSVOA_U

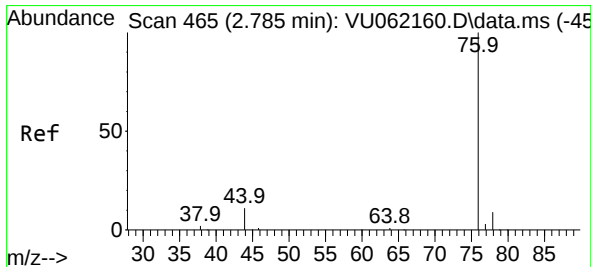
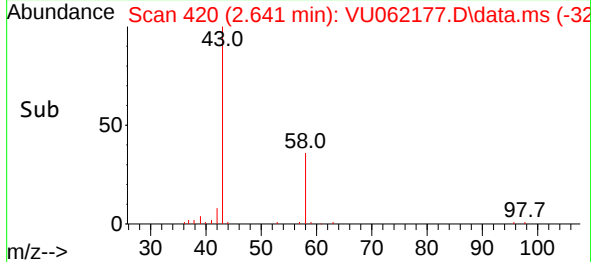
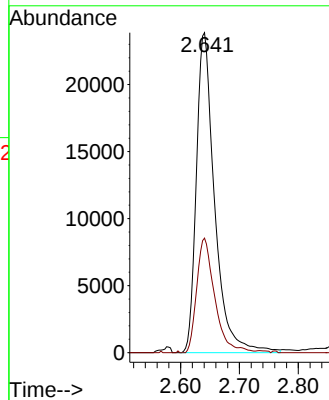
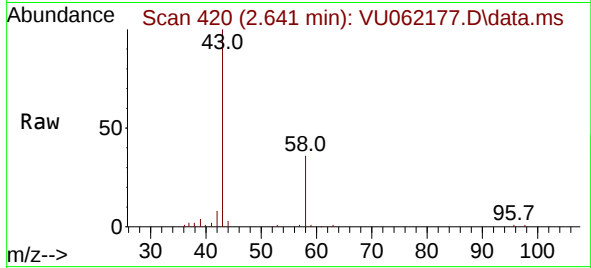
ClientSampleId :

Tgt Ion: 43 Resp: 51517

Ion Ratio Lower Upper

43 100

58 35.3 0.0 64.0



#14

Carbon disulfide

Concen: 3.646 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU062177.D

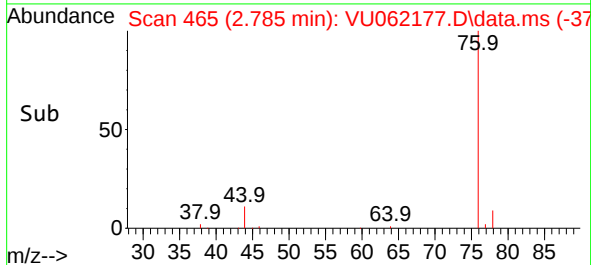
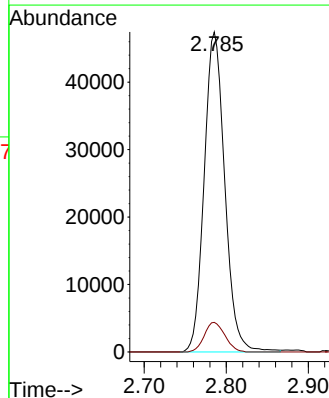
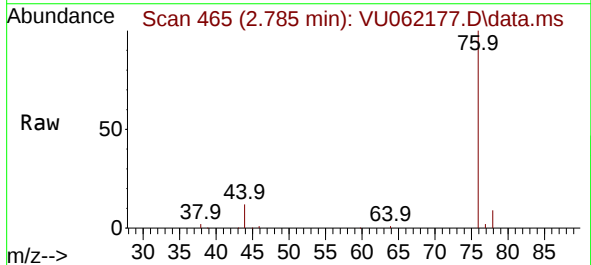
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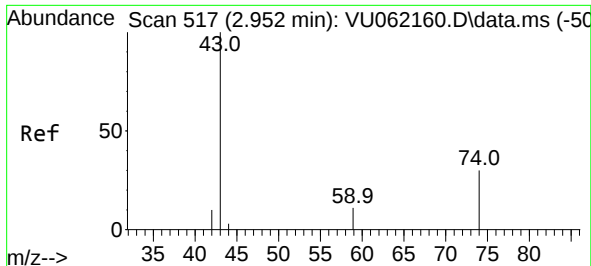
Tgt Ion: 76 Resp: 82785

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

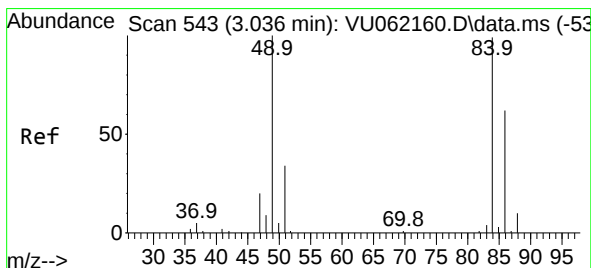
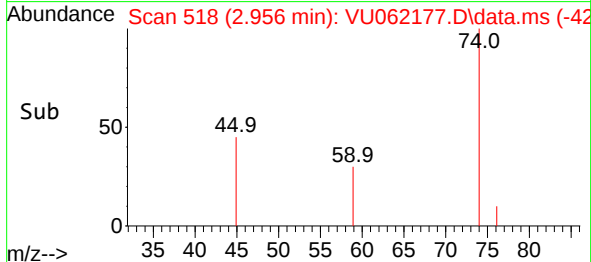
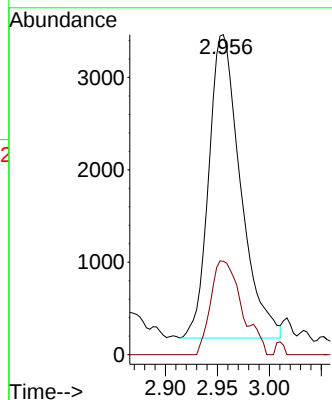
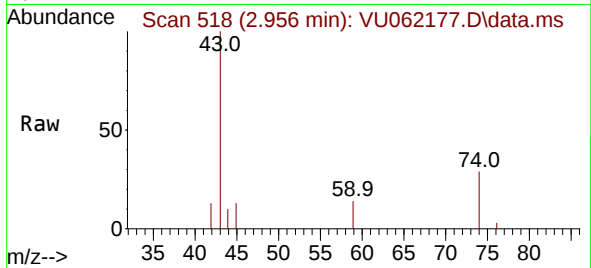




#15
Methyl Acetate
Concen: 2.972 ug/L
RT: 2.956 min Scan# 517
Delta R.T. 0.003 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

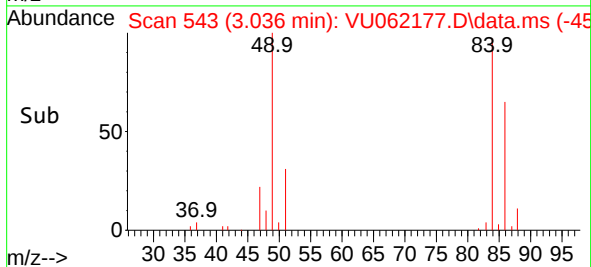
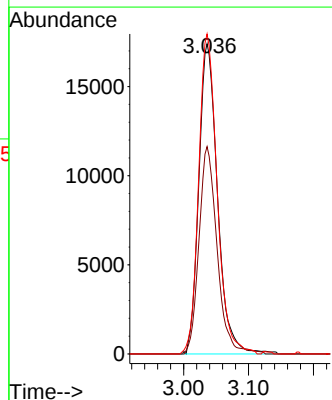
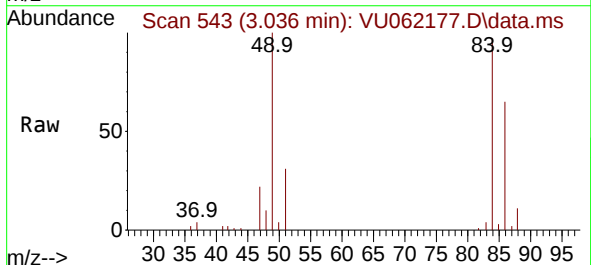
Instrument :
MSVOA_U
ClientSampleId :

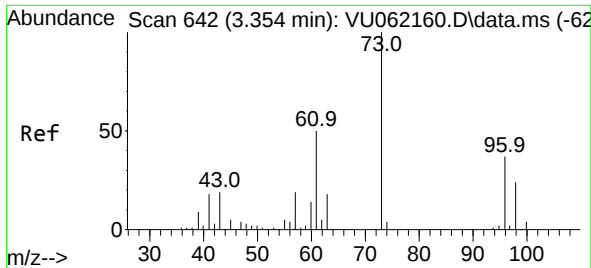
Tgt Ion: 43 Resp: 6971
Ion Ratio Lower Upper
43 100
74 30.3 19.4 29.2#



#16
Methylene chloride
Concen: 4.634 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

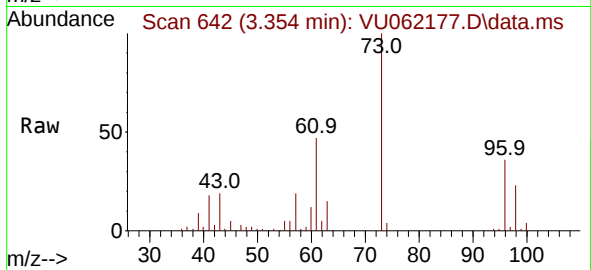
Tgt Ion: 84 Resp: 34922
Ion Ratio Lower Upper
84 100
86 66.8 43.5 80.7
49 103.1 81.9 152.1



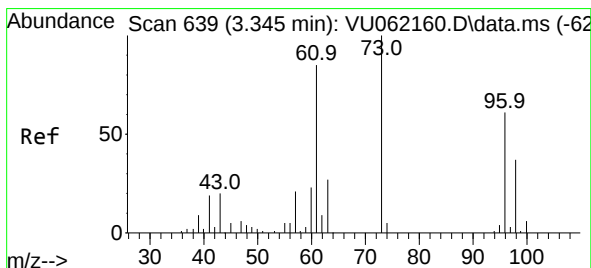
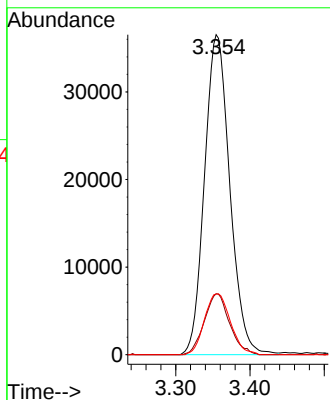
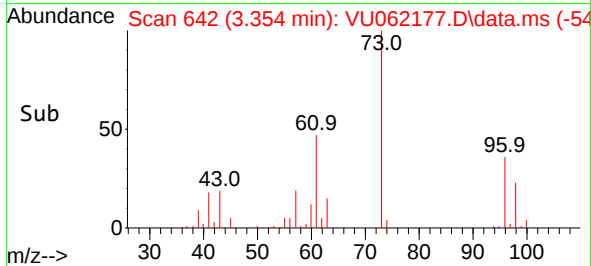


#17
Methyl tert-butyl Ether
Concen: 4.830 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Instrument :
MSVOA_U
ClientSampleId :

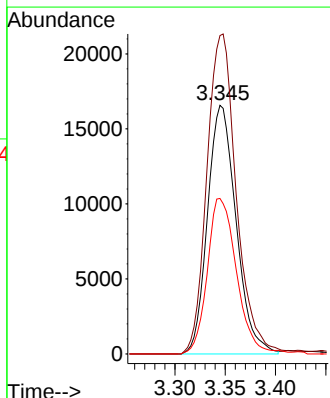
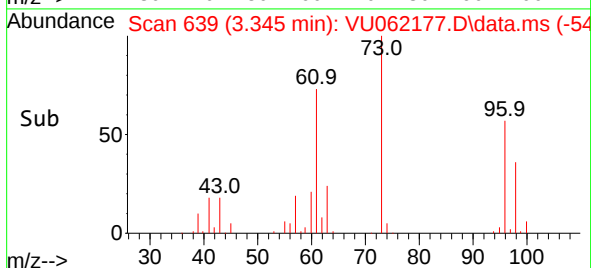
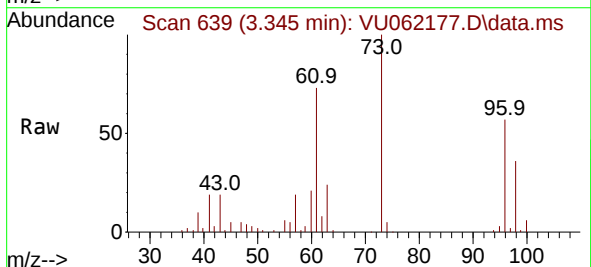


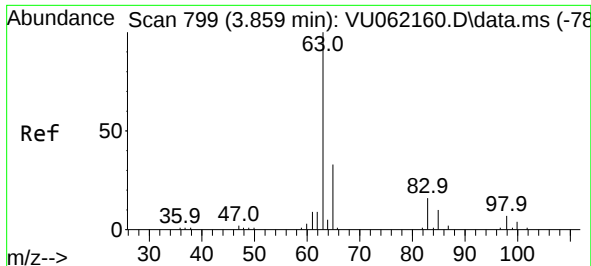
Tgt Ion: 73 Resp: 86394
Ion Ratio Lower Upper
73 100
43 19.0 16.3 24.5
57 19.5 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.438 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Tgt Ion: 96 Resp: 32740
Ion Ratio Lower Upper
96 100
61 128.0 104.2 193.4
98 62.5 45.7 84.9





#19

1,1-Dichloroethane

Concen: 4.626 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

Instrument :

MSVOA_U

ClientSampleId :

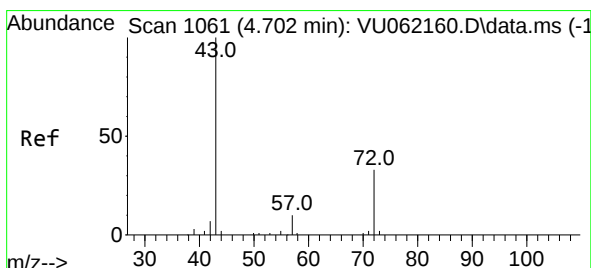
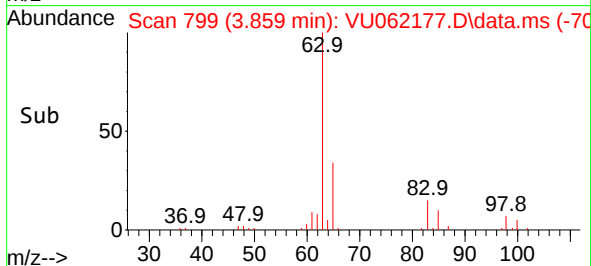
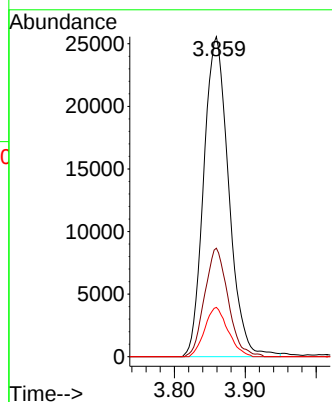
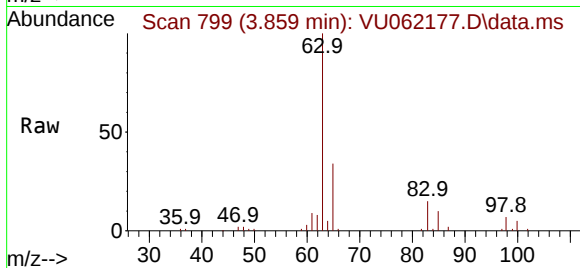
Tgt Ion: 63 Resp: 62549

Ion Ratio Lower Upper

63 100

65 33.9 22.7 42.3

83 15.4 9.9 18.3



#21

2-Butanone

Concen: 55.286 ug/L

RT: 4.702 min Scan# 1061

Delta R.T. -0.000 min

Lab File: VU062177.D

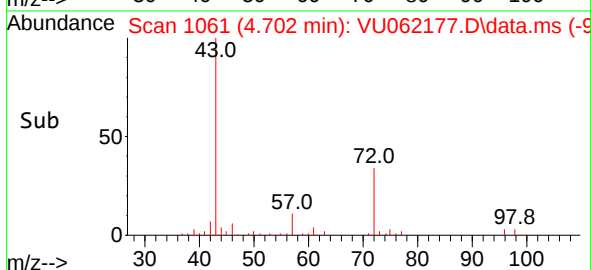
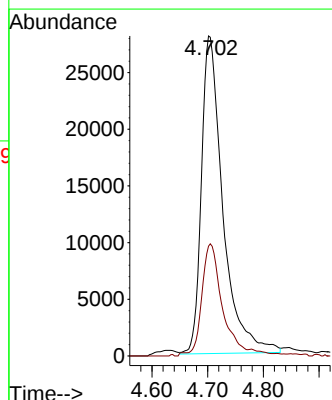
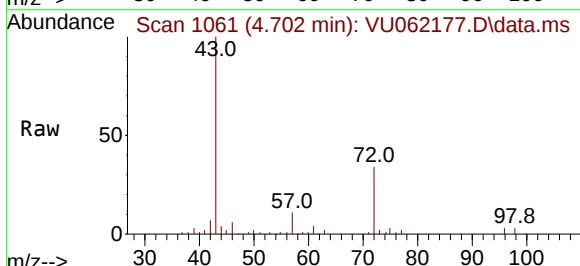
Acq: 09 Dec 2024 23:06

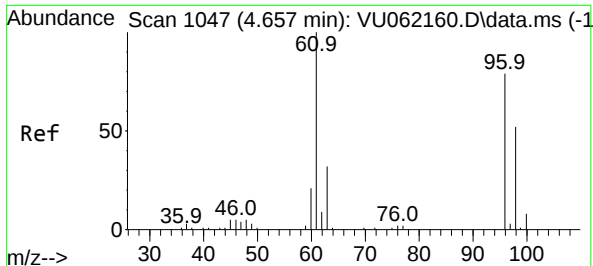
Tgt Ion: 43 Resp: 75144

Ion Ratio Lower Upper

43 100

72 30.4 14.8 44.4

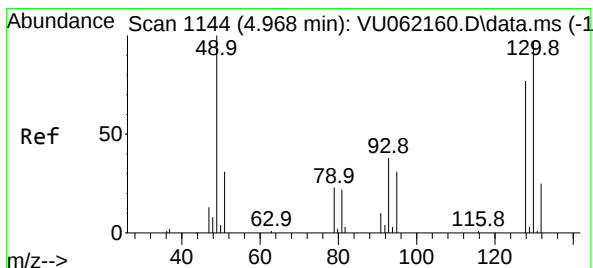
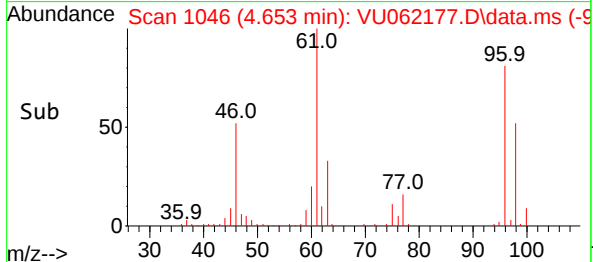
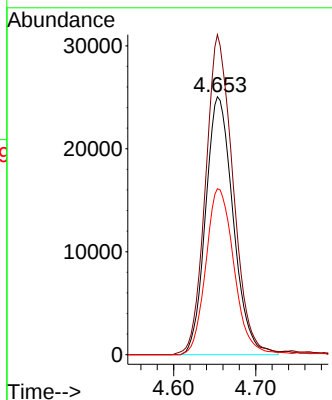
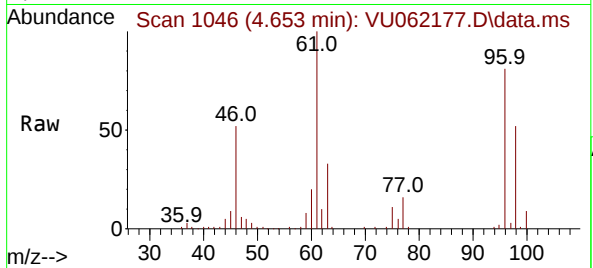




#22
 cis-1,2-Dichloroethene
 Concen: 7.102 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. -0.003 min
 Lab File: VU062177.D
 Acq: 09 Dec 2024 23:06

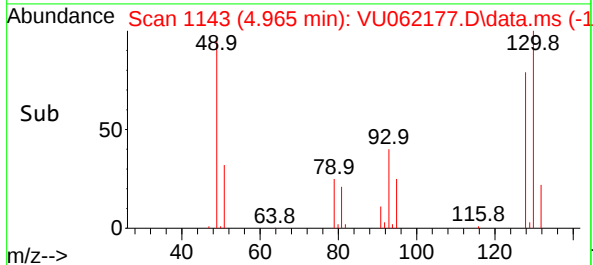
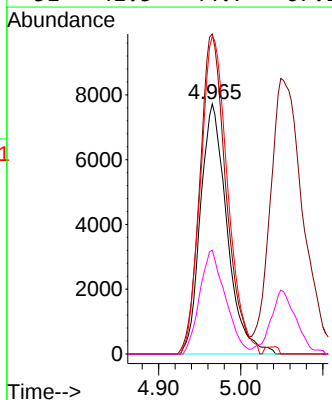
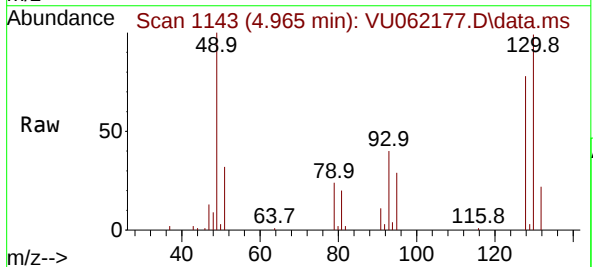
Instrument :
 MSVOA_U
 ClientSampleId :

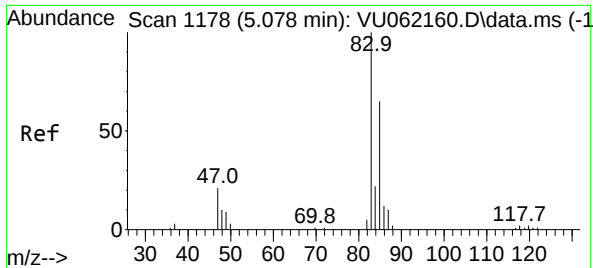
Tgt Ion: 96 Resp: 58722
 Ion Ratio Lower Upper
 96 100
 61 124.0 92.0 170.8
 98 64.3 44.5 82.7



#23
 Bromochloromethane
 Concen: 4.770 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU062177.D
 Acq: 09 Dec 2024 23:06

Tgt Ion:128 Resp: 17288
 Ion Ratio Lower Upper
 128 100
 49 128.0 115.3 214.1
 130 127.0 92.0 170.8
 51 41.5 44.7 67.1#

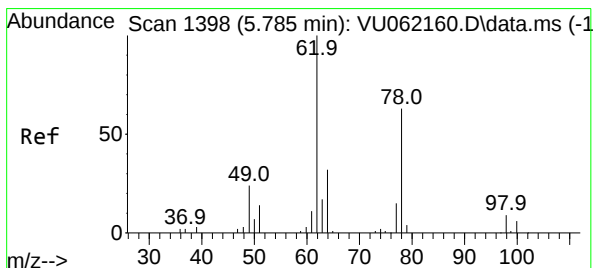
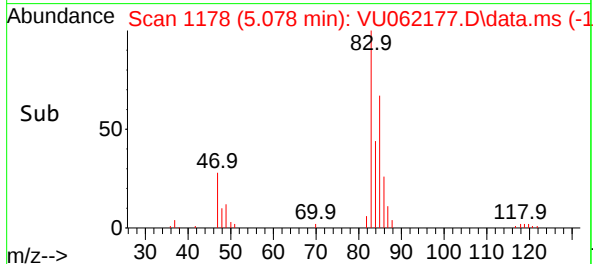
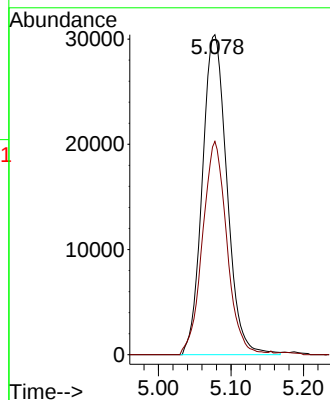
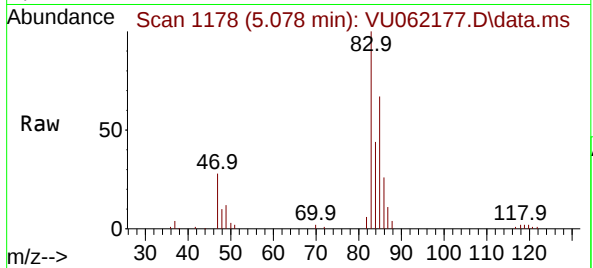




#25
Chloroform
Concen: 4.714 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

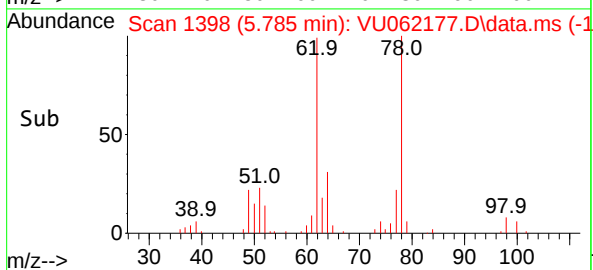
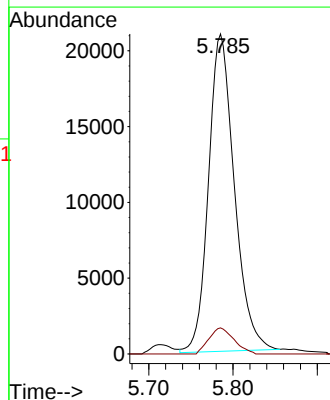
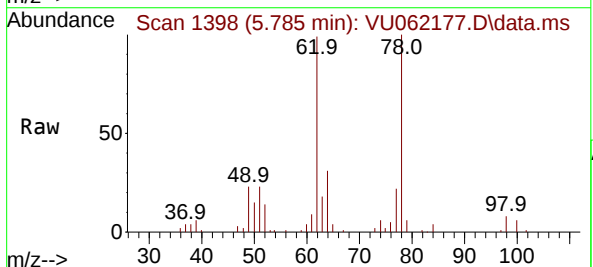
Instrument :
MSVOA_U
ClientSampleId :

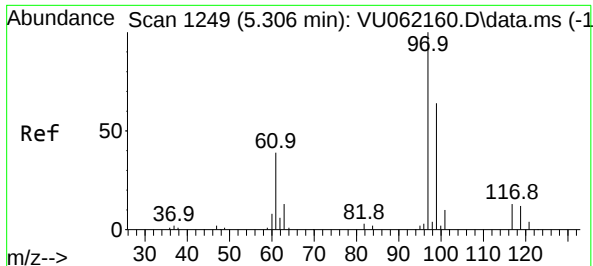
Tgt Ion: 83 Resp: 71797
Ion Ratio Lower Upper
83 100
85 66.6 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.608 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Tgt Ion: 62 Resp: 44598
Ion Ratio Lower Upper
62 100
98 8.2 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 4.910 ug/L

RT: 5.306 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

Instrument :

MSVOA_U

ClientSampleId :

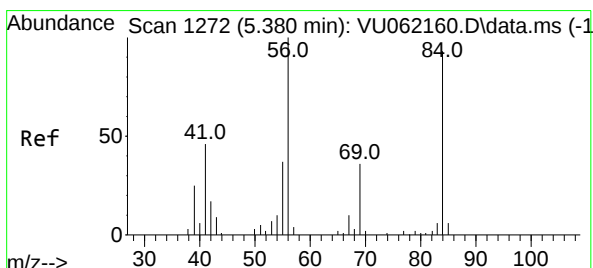
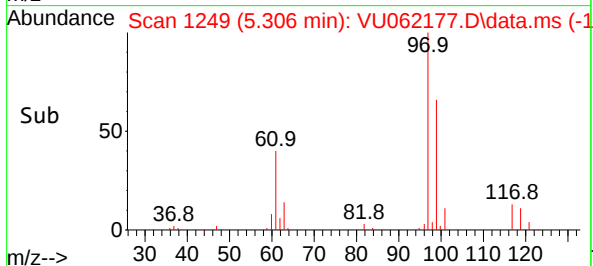
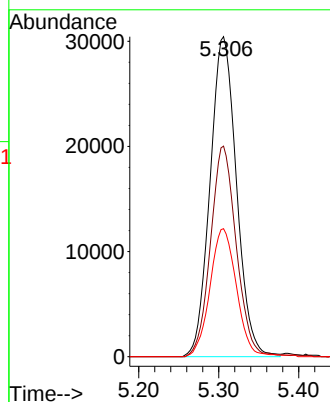
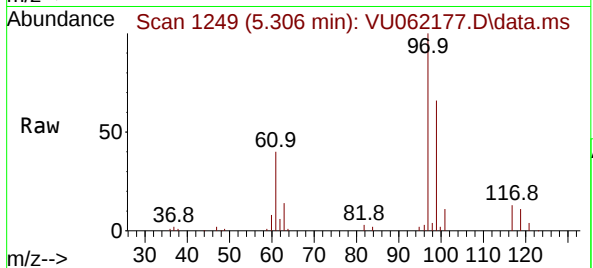
Tgt Ion: 97 Resp: 69927

Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.2

61 40.1 37.8 56.6



#30

Cyclohexane

Concen: 4.233 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

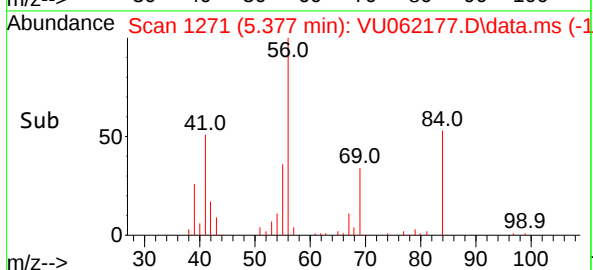
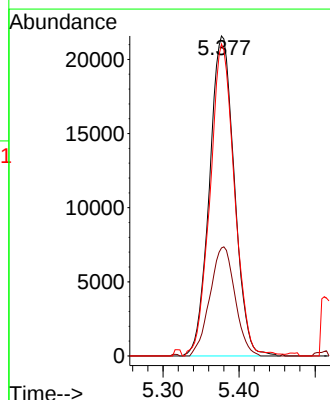
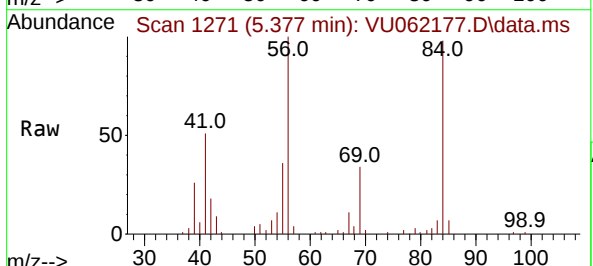
Tgt Ion: 56 Resp: 48884

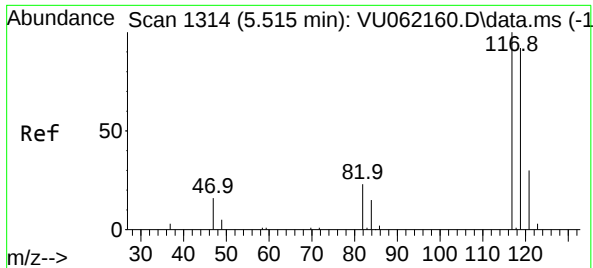
Ion Ratio Lower Upper

56 100

69 34.5 25.1 37.7

84 95.7 70.6 105.8

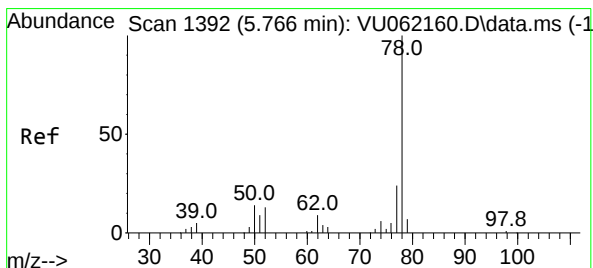
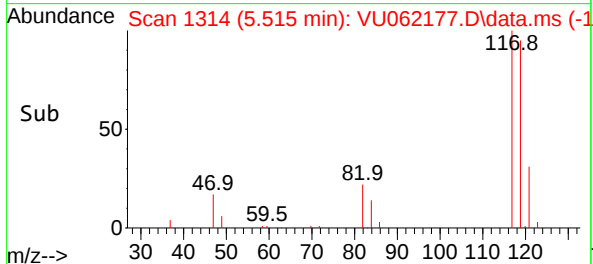
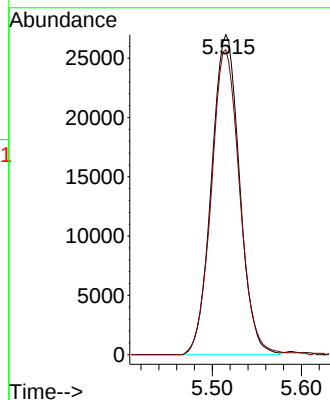
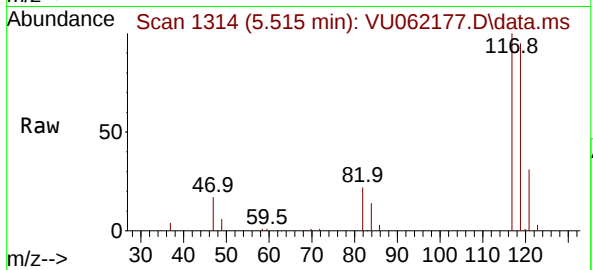




#31
Carbon tetrachloride
Concen: 4.516 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

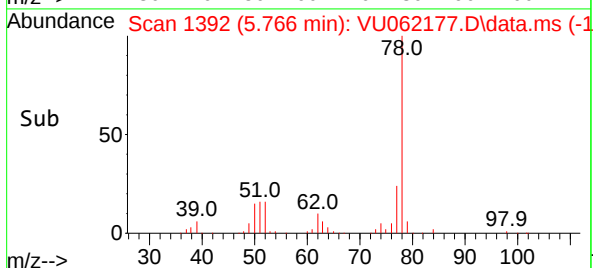
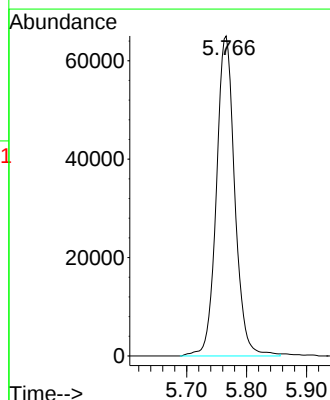
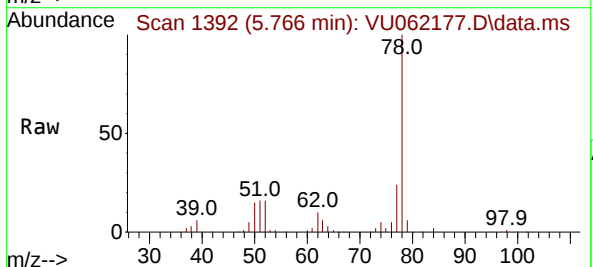
Instrument :
MSVOA_U
ClientSampleId :

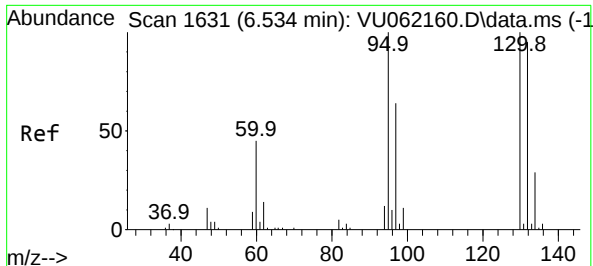
Tgt Ion:117 Resp: 58963
Ion Ratio Lower Upper
117 100
119 96.3 77.5 116.3



#33
Benzene
Concen: 4.405 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Tgt Ion: 78 Resp: 138197





#34

Trichloroethene

Concen: 4.412 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 39209

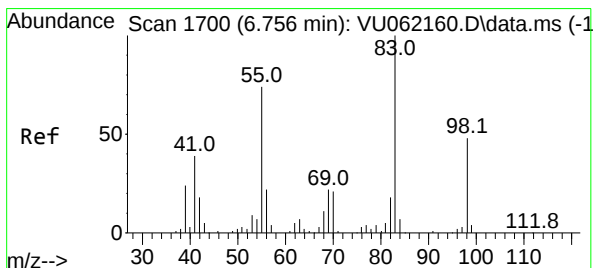
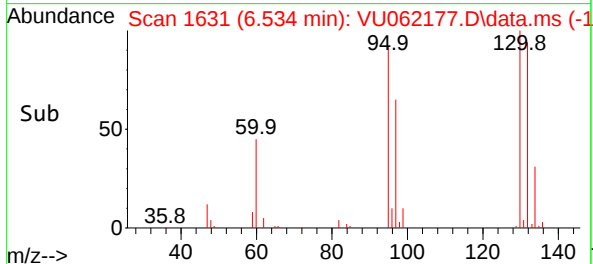
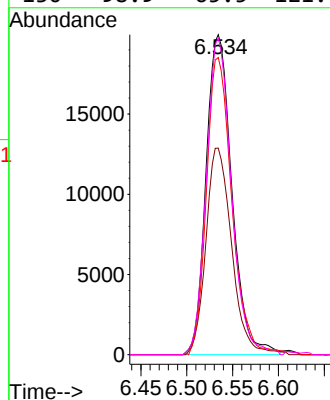
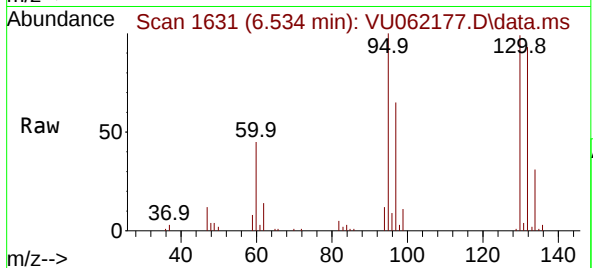
Ion Ratio Lower Upper

95 100

97 64.6 45.9 85.3

132 92.9 63.8 118.4

130 98.9 65.5 121.7



#35

Methylcyclohexane

Concen: 4.000 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

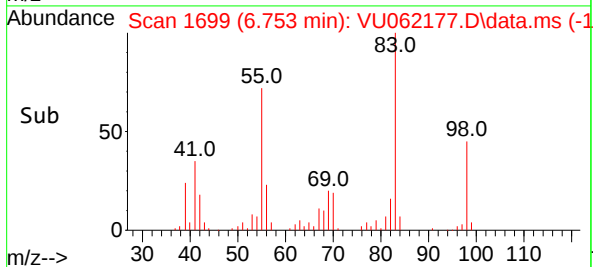
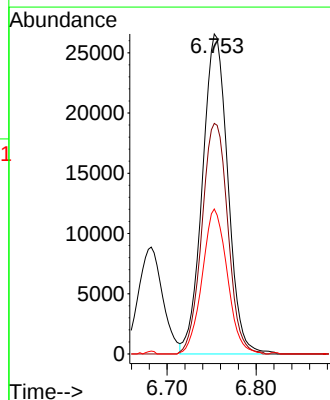
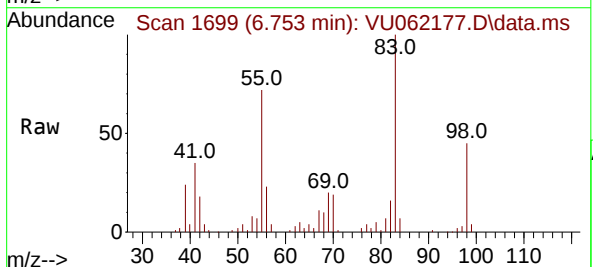
Tgt Ion: 83 Resp: 52702

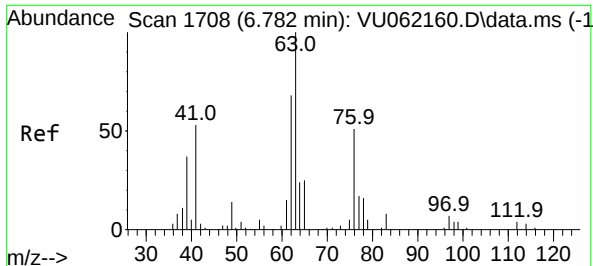
Ion Ratio Lower Upper

83 100

55 73.5 60.7 91.1

98 44.6 34.8 52.2





#37

1,2-Dichloropropane

Concen: 4.422 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

Instrument :

MSVOA_U

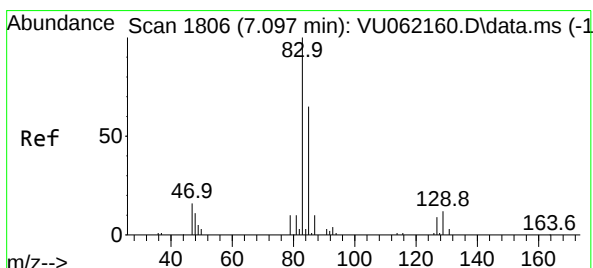
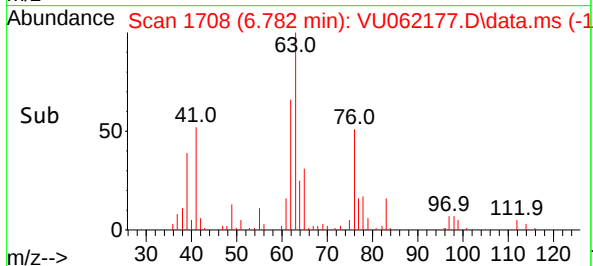
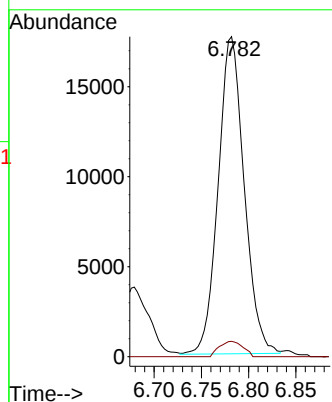
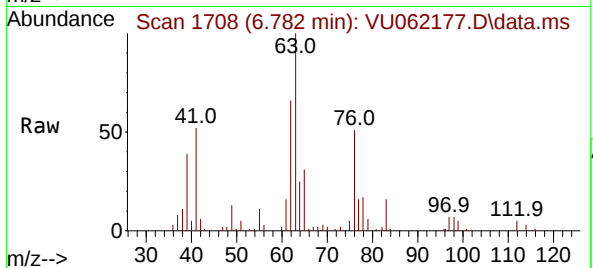
ClientSampleId :

Tgt Ion: 63 Resp: 33780

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.0



#38

Bromodichloromethane

Concen: 4.652 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

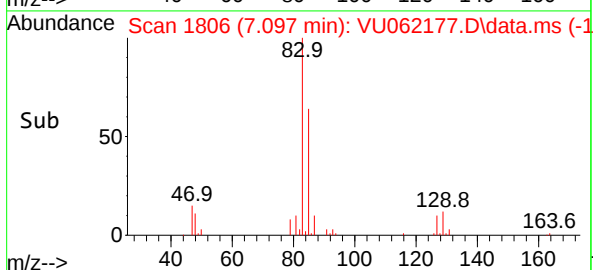
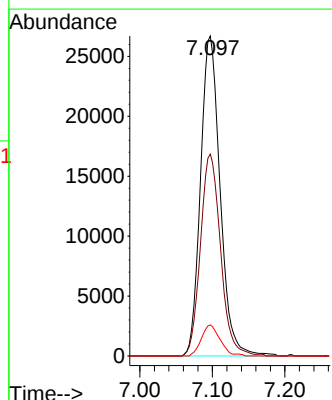
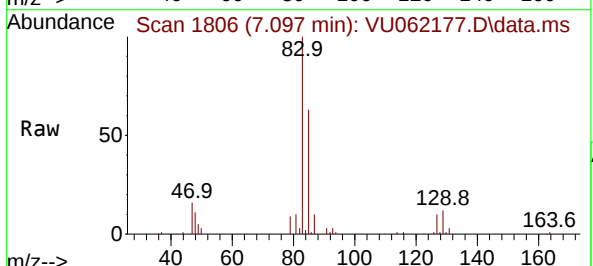
Tgt Ion: 83 Resp: 50145

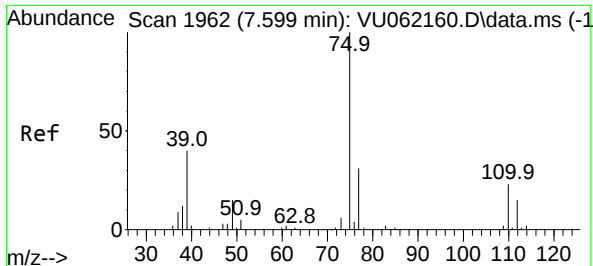
Ion Ratio Lower Upper

83 100

85 63.1 44.1 81.9

127 9.7 6.9 10.3

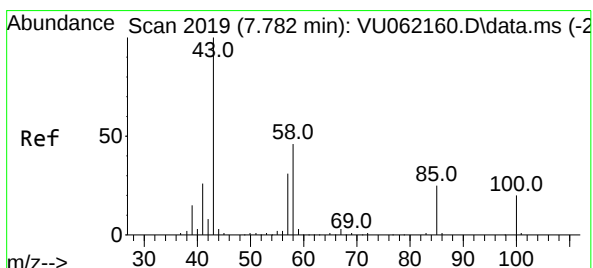
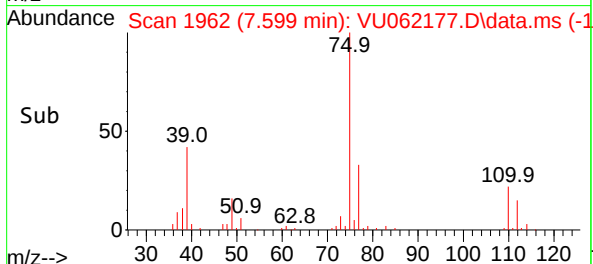
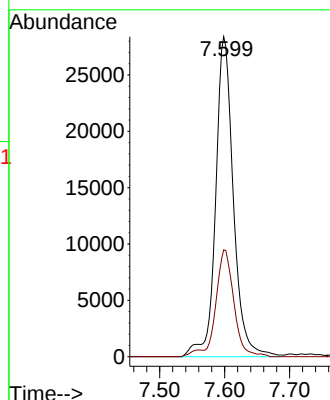
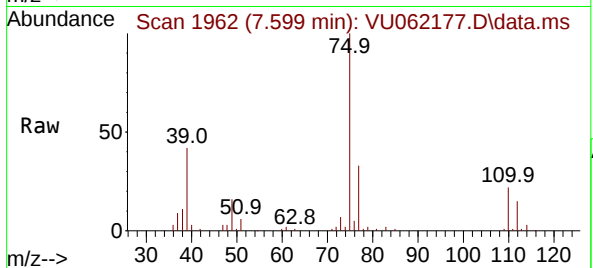




#39
 cis-1,3-Dichloropropene
 Concen: 4.397 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. -0.000 min
 Lab File: VU062177.D
 Acq: 09 Dec 2024 23:06

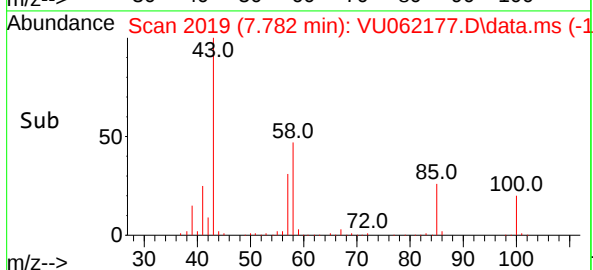
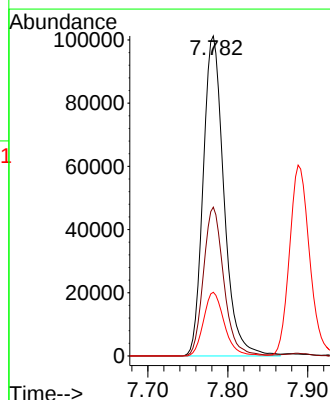
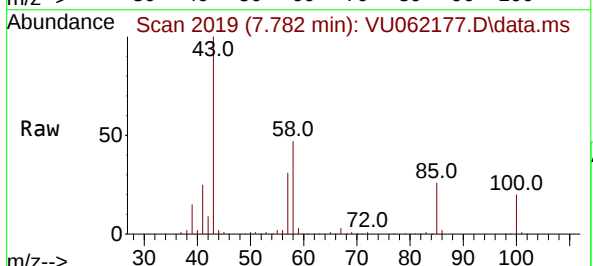
Instrument :
 MSVOA_U
 ClientSampleId :

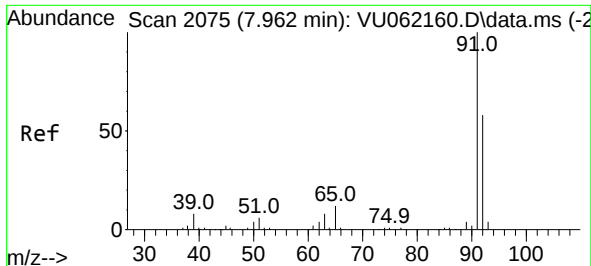
Tgt Ion: 75 Resp: 53843
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 51.188 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU062177.D
 Acq: 09 Dec 2024 23:06

Tgt Ion: 43 Resp: 183270
 Ion Ratio Lower Upper
 43 100
 58 45.6 33.3 49.9
 100 20.0 12.4 18.6

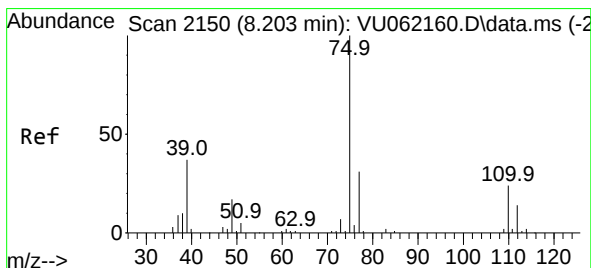
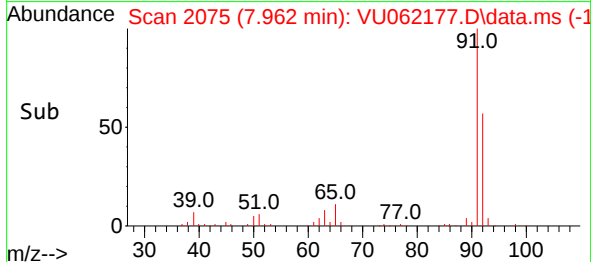
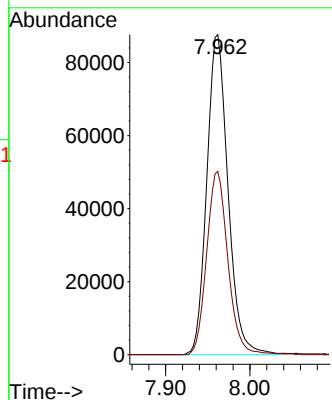
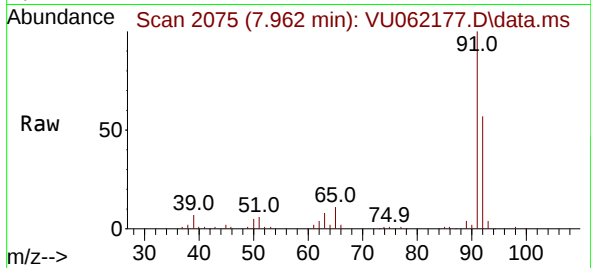




#42
Toluene
Concen: 4.540 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

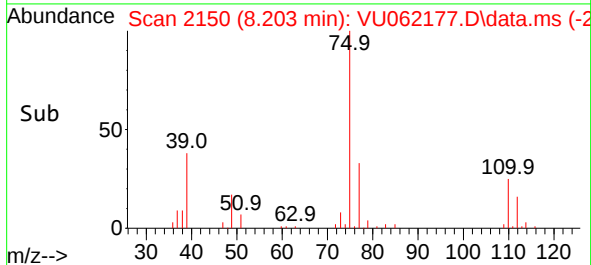
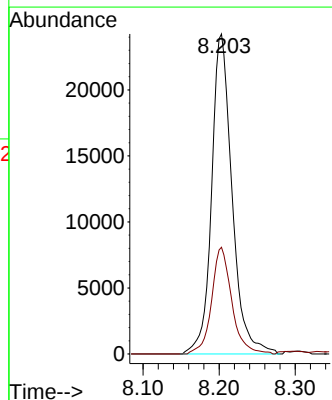
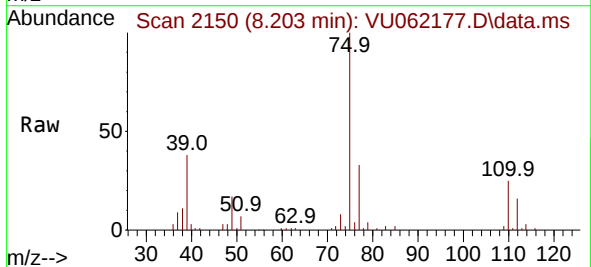
Instrument :
MSVOA_U
ClientSampleId :

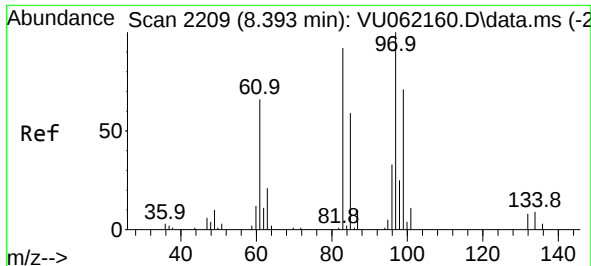
Tgt Ion: 91 Resp: 153556
Ion Ratio Lower Upper
91 100
92 57.3 39.0 72.4



#44
trans-1,3-Dichloropropene
Concen: 4.528 ug/L
RT: 8.203 min Scan# 2150
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

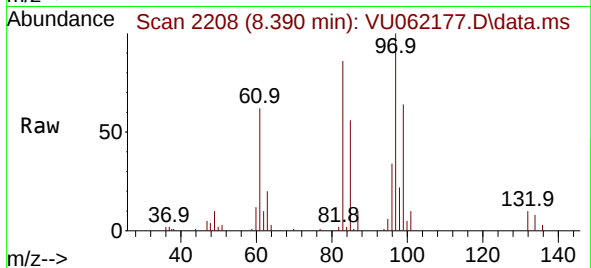
Tgt Ion: 75 Resp: 45275
Ion Ratio Lower Upper
75 100
77 33.4 21.8 40.4



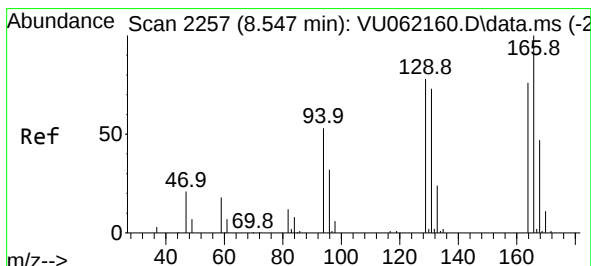
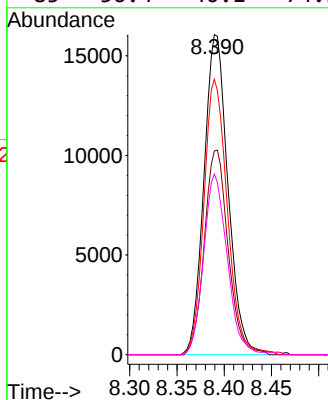
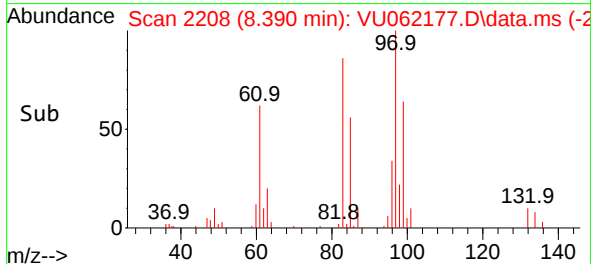


#45
1,1,2-Trichloroethane
Concen: 4.941 ug/L
RT: 8.390 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

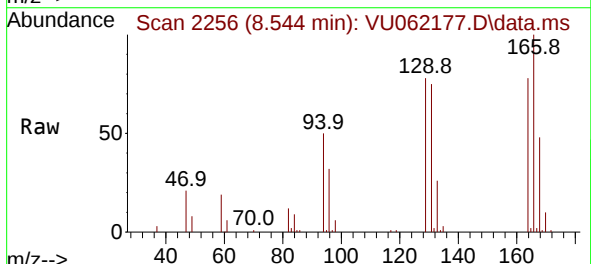
Instrument :
MSVOA_U
ClientSampleId :



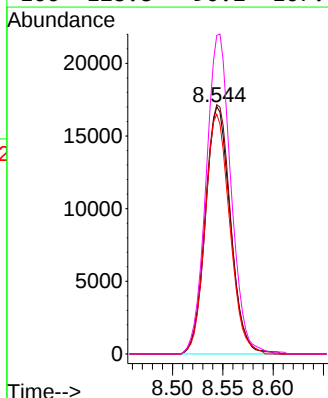
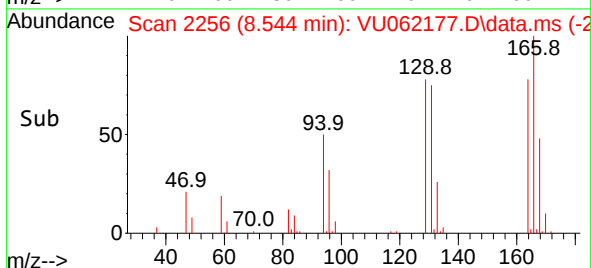
Tgt Ion:	97	Resp:	28494
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.0	79.8
83	86.1	61.7	114.5
85	56.4	40.1	74.5

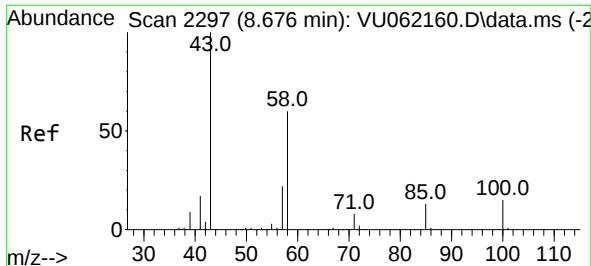


#47
Tetrachloroethene
Concen: 4.258 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06



Tgt Ion:	164	Resp:	29211
Ion	Ratio	Lower	Upper
164	100		
129	100.8	73.2	136.0
131	96.9	72.3	134.3
166	128.8	90.2	167.4

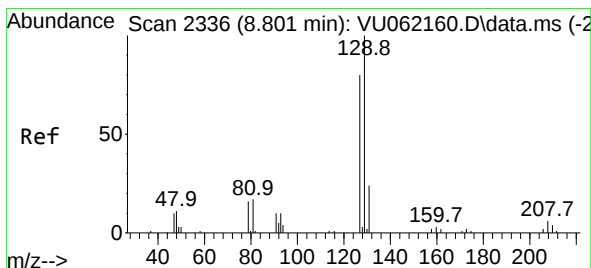
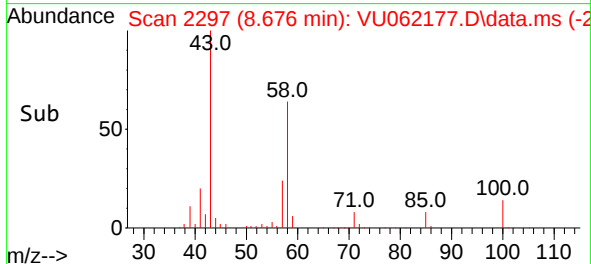
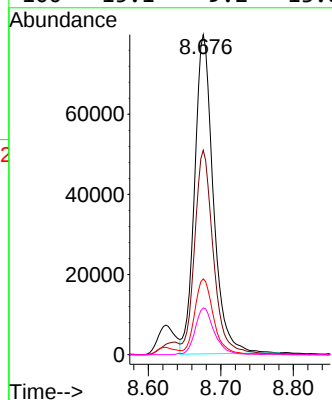
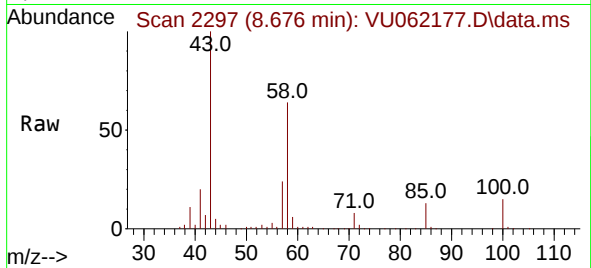




#48
2-Hexanone
Concen: 53.881 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

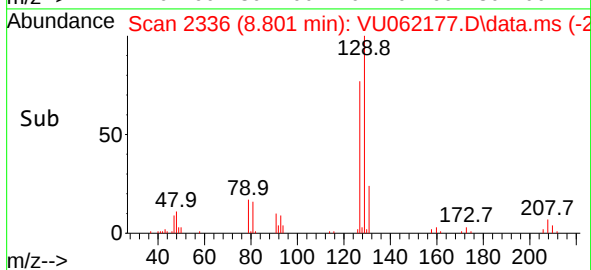
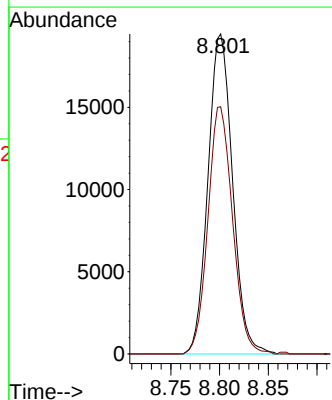
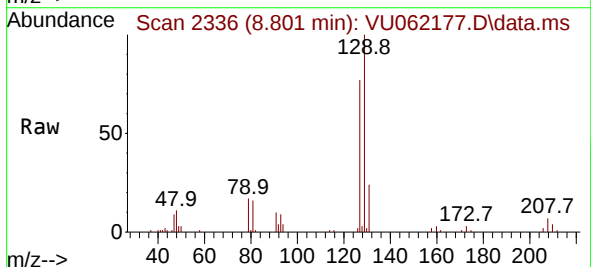
Instrument :
MSVOA_U
ClientSampleId :

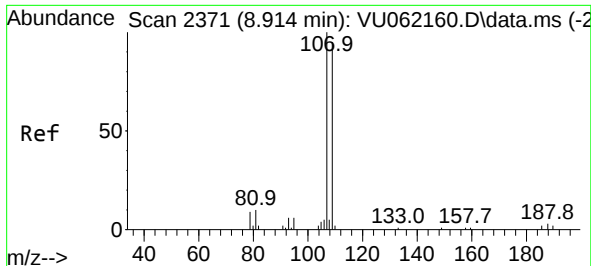
Tgt Ion:	43	Resp:	142568
Ion	Ratio	Lower	Upper
43	100		
58	63.4	47.5	71.3
57	23.5	15.6	23.4#
100	15.1	9.2	13.8#



#49
Dibromochloromethane
Concen: 4.905 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

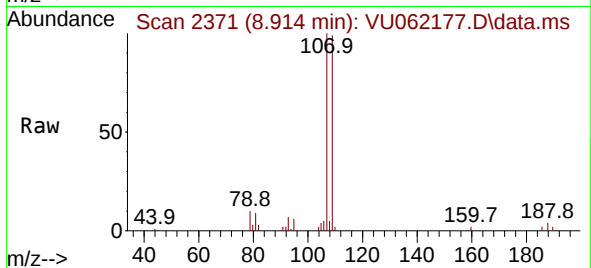
Tgt Ion:	129	Resp:	34179
Ion	Ratio	Lower	Upper
129	100		
127	77.3	51.1	94.9



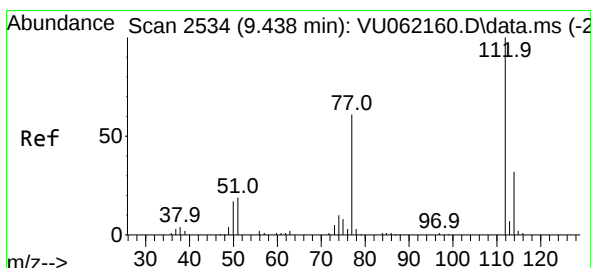
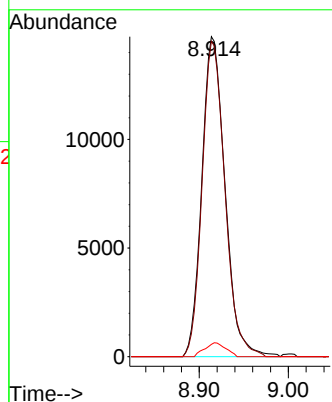
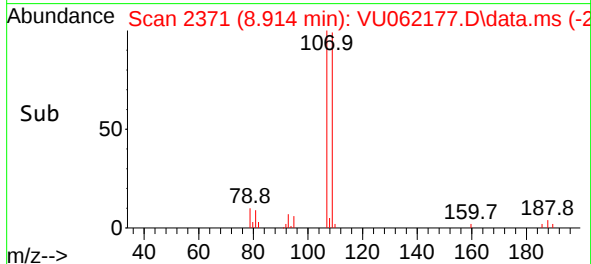


#50
1,2-Dibromoethane
Concen: 4.807 ug/L
RT: 8.914 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Instrument :
MSVOA_U
ClientSampleId :

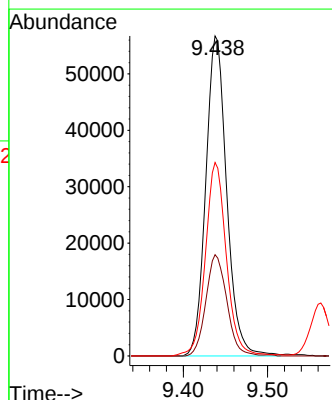
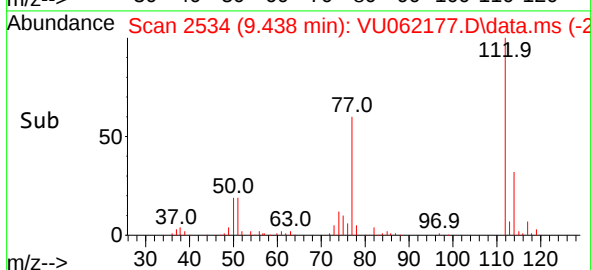
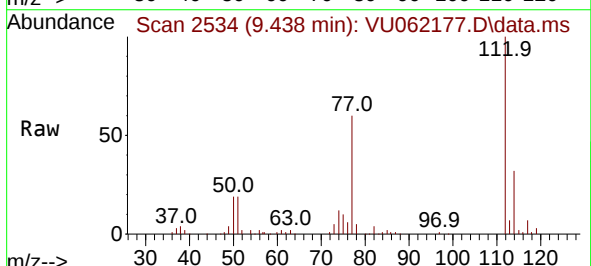


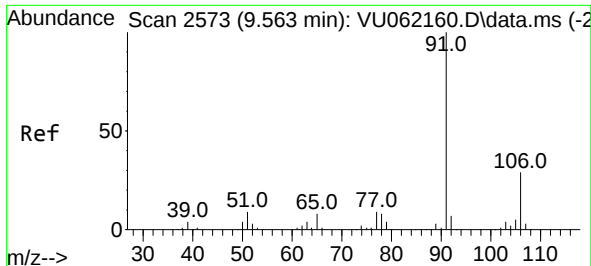
Tgt Ion:107 Resp: 26640
Ion Ratio Lower Upper
107 100
109 98.6 66.8 124.2
188 3.9 2.3 3.5#



#51
Chlorobenzene
Concen: 4.524 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Tgt Ion:112 Resp: 98062
Ion Ratio Lower Upper
112 100
114 31.6 23.0 42.6
77 60.4 50.5 75.7

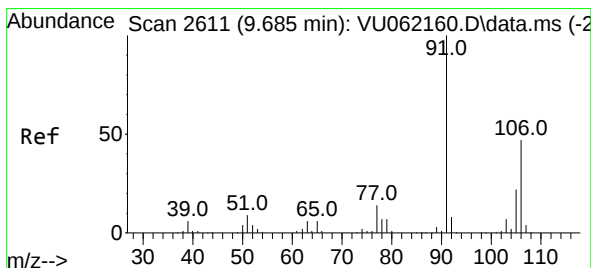
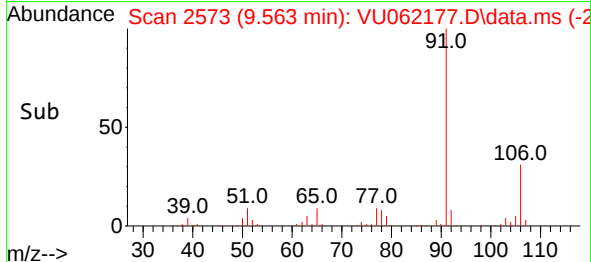
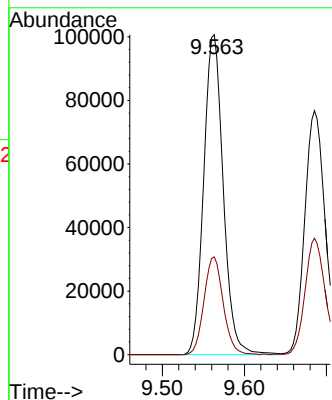
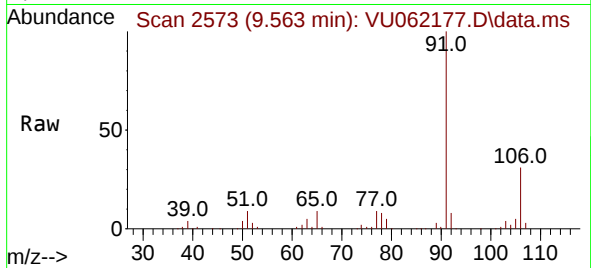




#52
Ethylbenzene
Concen: 4.405 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

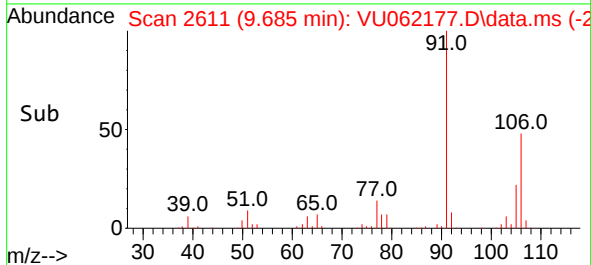
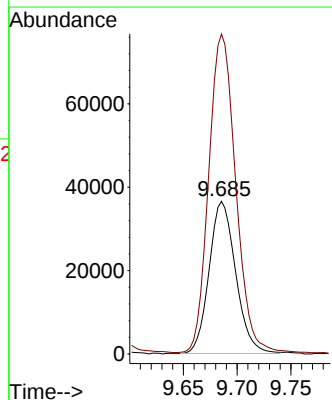
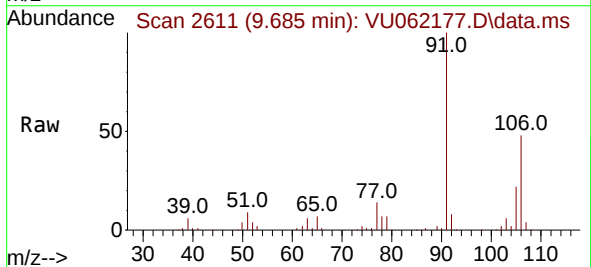
Instrument :
MSVOA_U
ClientSampleId :

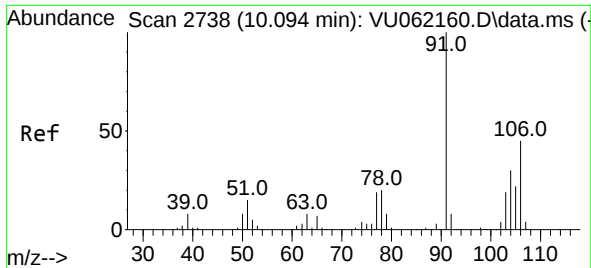
Tgt Ion: 91 Resp: 167070
Ion Ratio Lower Upper
91 100
106 30.6 21.6 40.0



#53
m,p-Xylene
Concen: 4.474 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Tgt Ion: 106 Resp: 62648
Ion Ratio Lower Upper
106 100
91 209.6 147.6 274.0

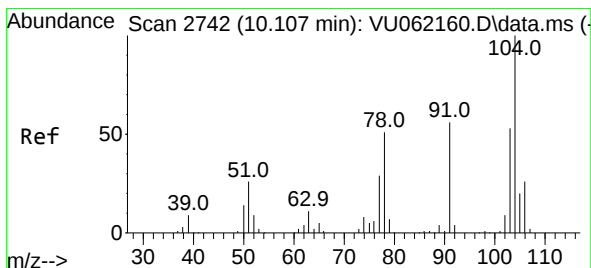
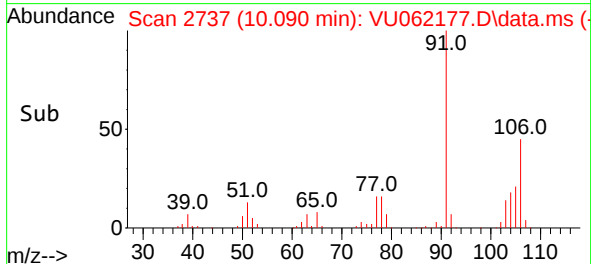
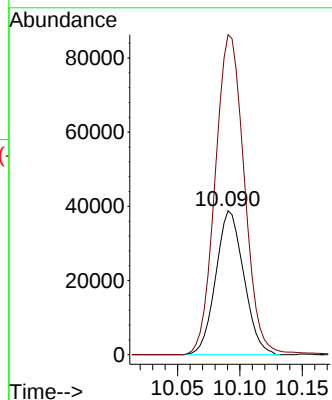
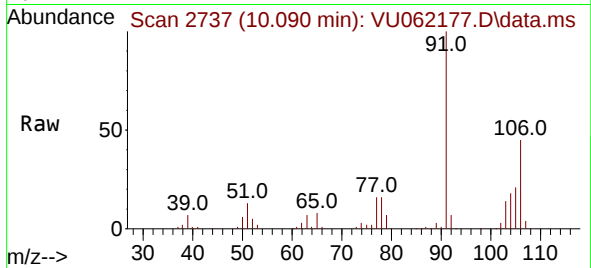




#54
o-Xylene
Concen: 4.468 ug/L
RT: 10.090 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

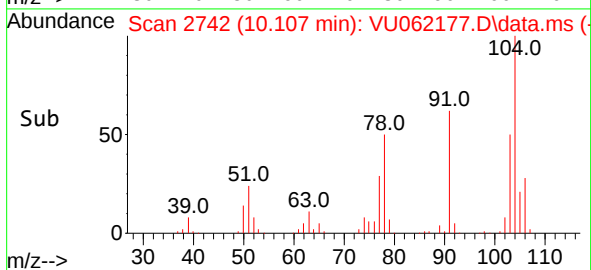
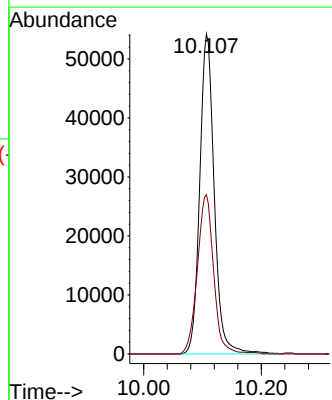
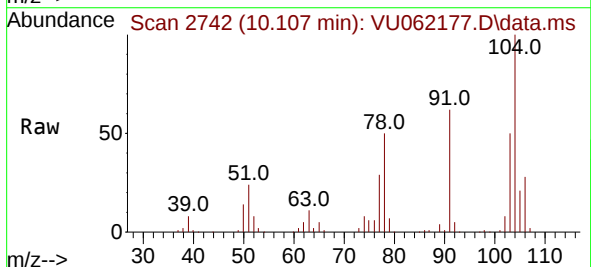
Instrument :
MSVOA_U
ClientSampleId :

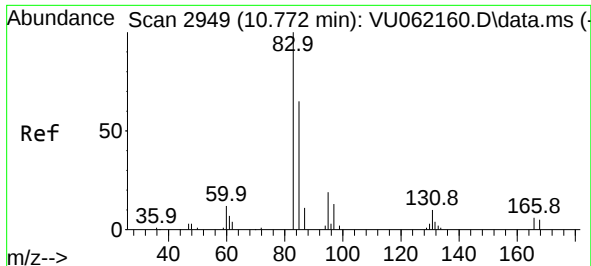
Tgt Ion:106 Resp: 60849
Ion Ratio Lower Upper
106 100
91 222.6 159.8 296.8



#55
Styrene
Concen: 4.140 ug/L
RT: 10.107 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Tgt Ion:104 Resp: 92941
Ion Ratio Lower Upper
104 100
78 49.7 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.067 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

Instrument :

MSVOA_U

ClientSampleId :

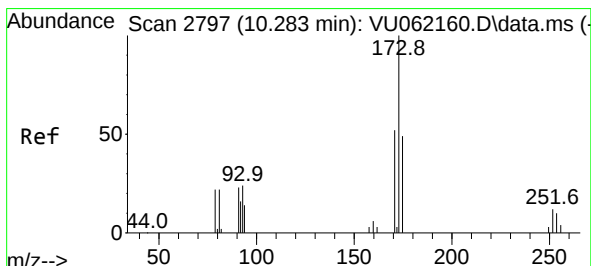
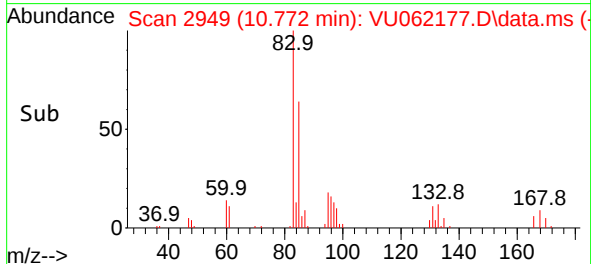
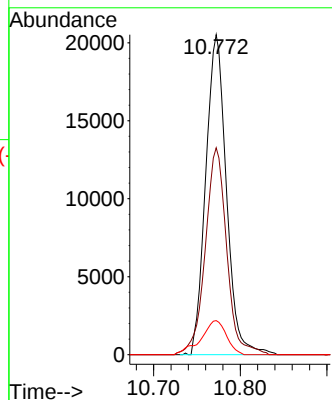
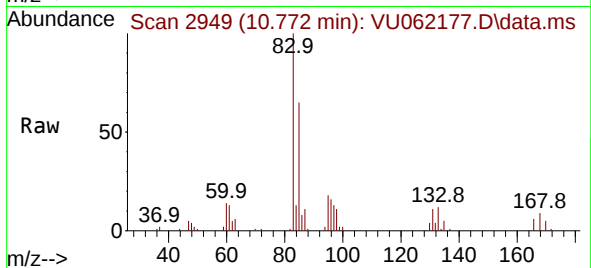
Tgt Ion: 83 Resp: 34010

Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.4

131 10.7 7.3 10.9



#59

Bromoform

Concen: 5.037 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

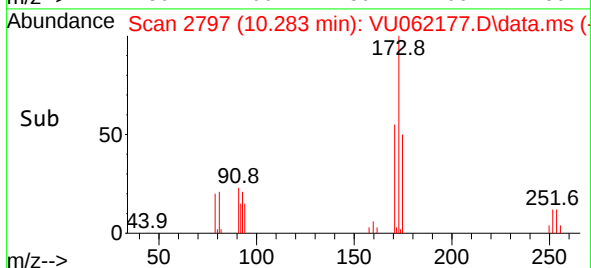
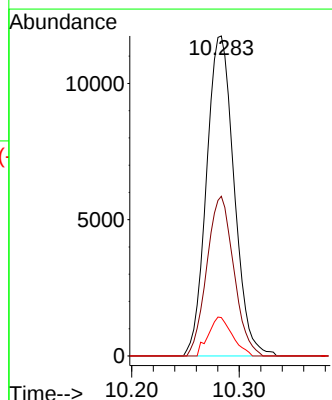
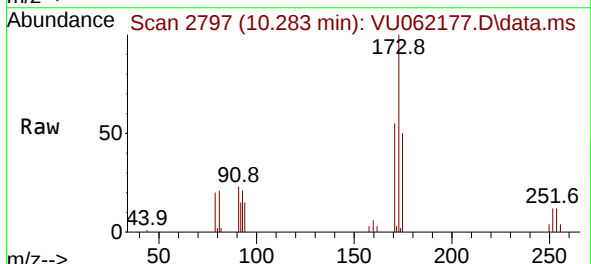
Tgt Ion:173 Resp: 20923

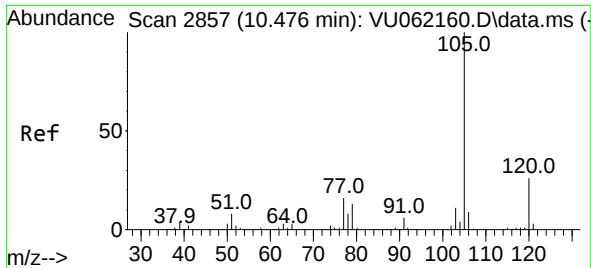
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 10.5 7.4 11.0

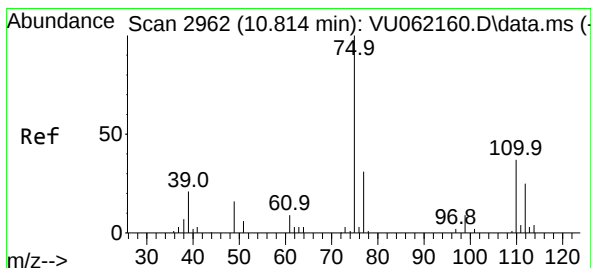
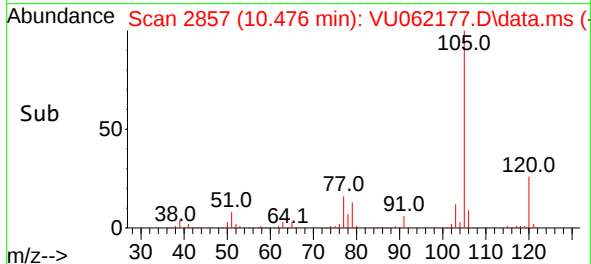
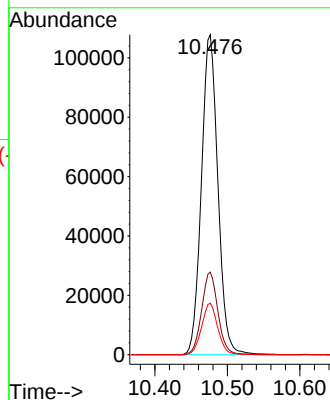
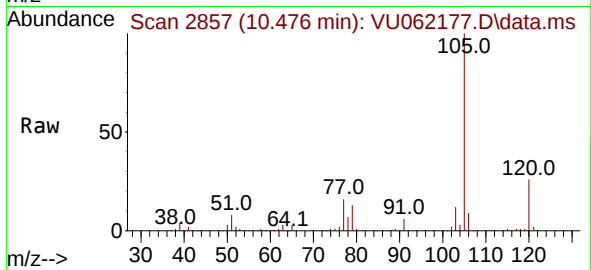




#60
Isopropylbenzene
Concen: 4.459 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

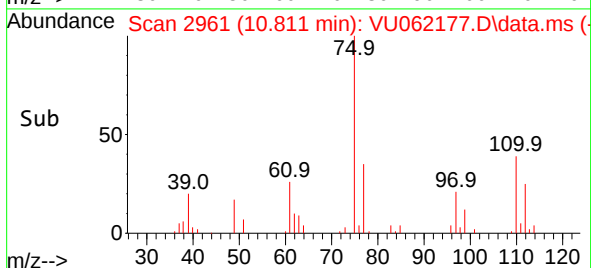
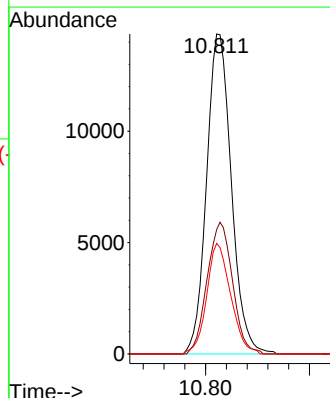
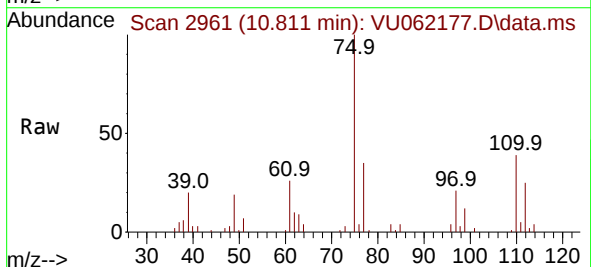
Instrument :
MSVOA_U
ClientSampleId :

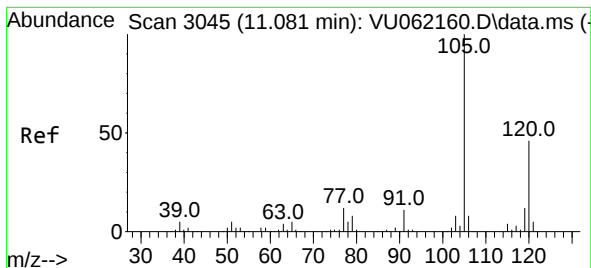
Tgt Ion:105 Resp: 170275
Ion Ratio Lower Upper
105 100
120 25.4 20.6 31.0
77 15.8 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.866 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. -0.003 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Tgt Ion: 75 Resp: 23785
Ion Ratio Lower Upper
75 100
110 42.0 28.9 43.3
77 33.3 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 4.290 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

Instrument :

MSVOA_U

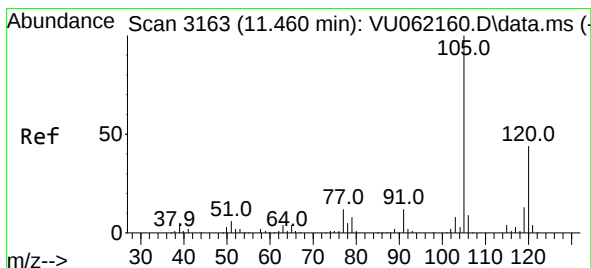
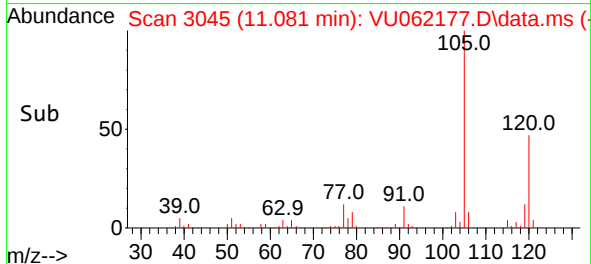
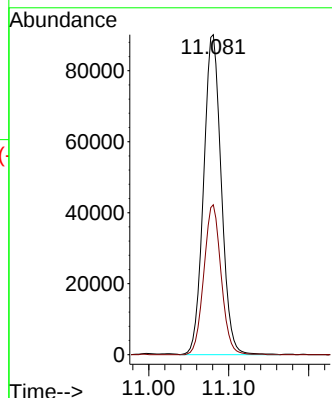
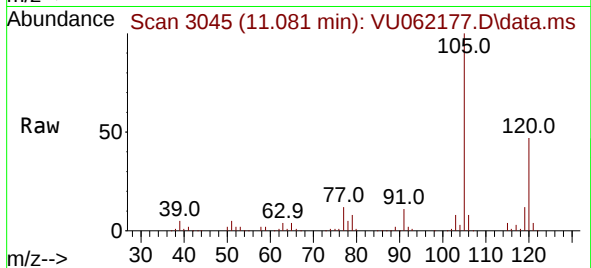
ClientSampleId :

Tgt Ion:105 Resp: 138637

Ion Ratio Lower Upper

105 100

120 45.8 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 4.226 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU062177.D

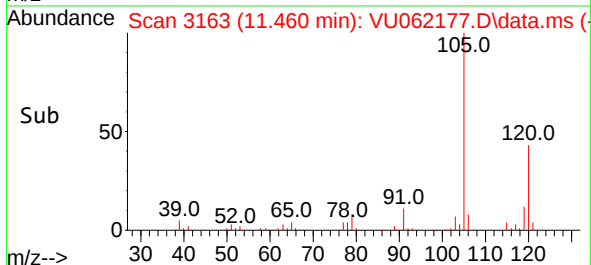
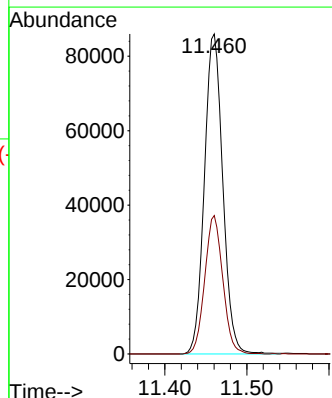
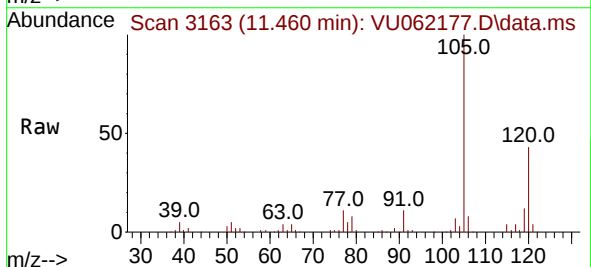
Acq: 09 Dec 2024 23:06

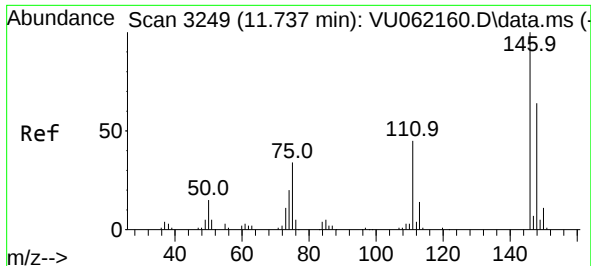
Tgt Ion:105 Resp: 133791

Ion Ratio Lower Upper

105 100

120 42.4 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 4.359 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. -0.000 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

Instrument :

MSVOA_U

ClientSampleId :

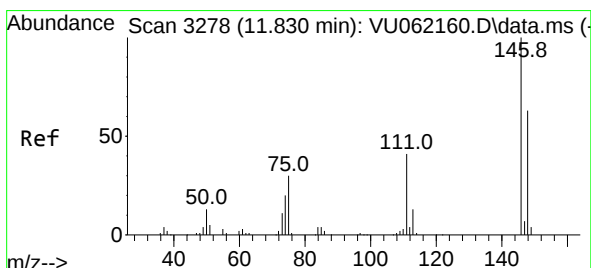
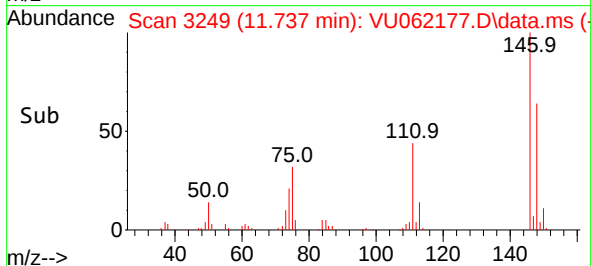
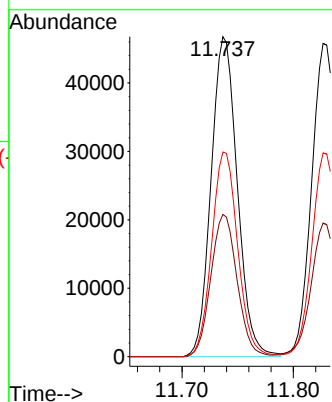
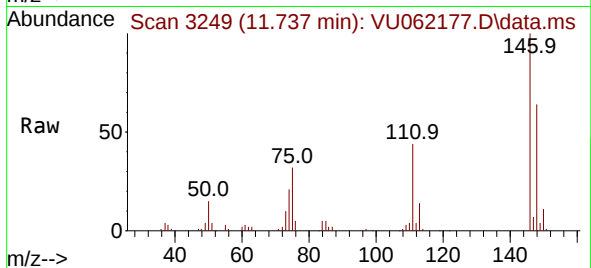
Tgt Ion:146 Resp: 76455

Ion Ratio Lower Upper

146 100

111 44.5 30.7 57.1

148 64.0 45.1 83.7



#65

1,4-Dichlorobenzene

Concen: 4.315 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. -0.003 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

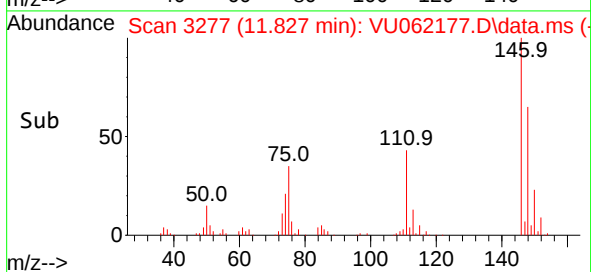
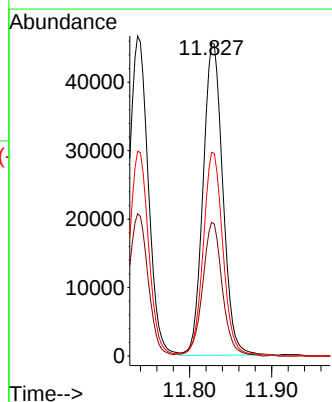
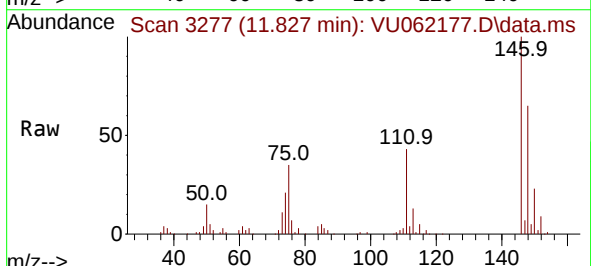
Tgt Ion:146 Resp: 76209

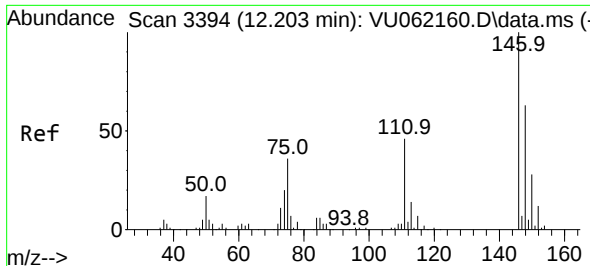
Ion Ratio Lower Upper

146 100

111 42.7 29.3 54.3

148 65.0 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 4.544 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

Instrument :

MSVOA_U

ClientSampleId :

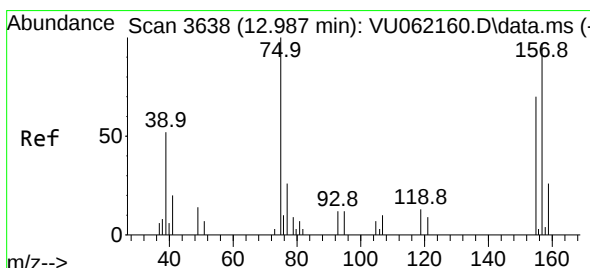
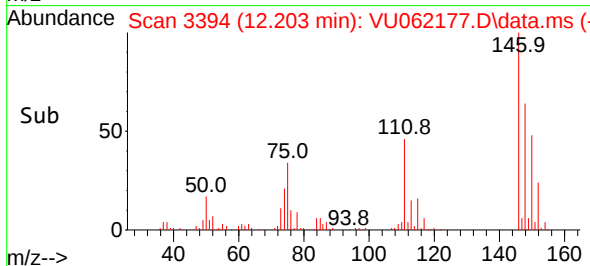
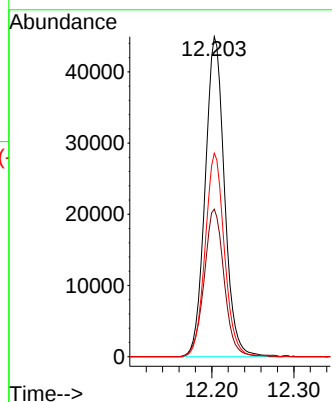
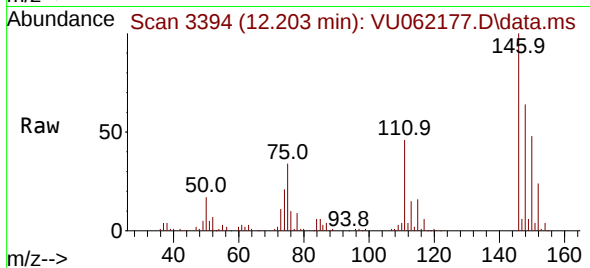
Tgt Ion:146 Resp: 73665

Ion Ratio Lower Upper

146 100

111 46.1 36.0 54.0

148 63.6 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.455 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

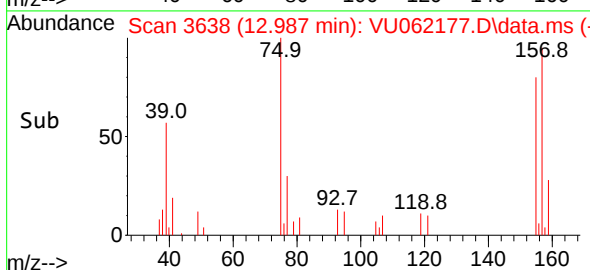
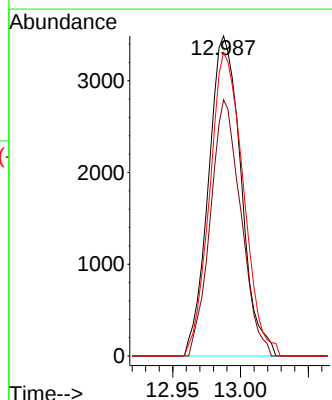
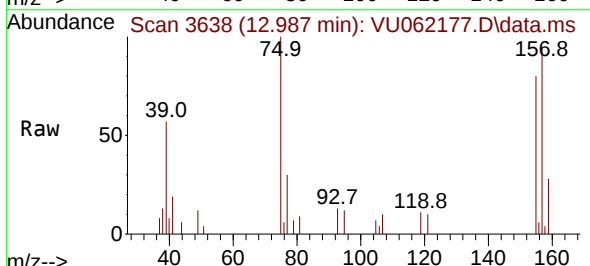
Tgt Ion: 75 Resp: 5816

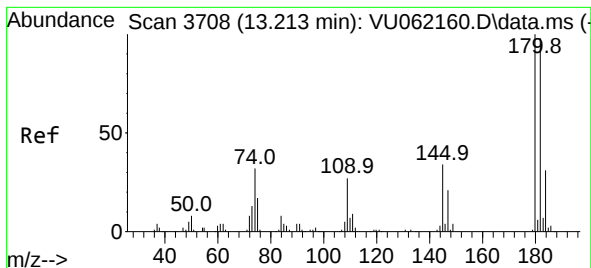
Ion Ratio Lower Upper

75 100

155 80.1 55.2 82.8

157 94.8 73.5 110.3





#69

1,3,5-Trichlorobenzene

Concen: 4.120 ug/L

RT: 13.213 min Scan# 31

Delta R.T. -0.000 min

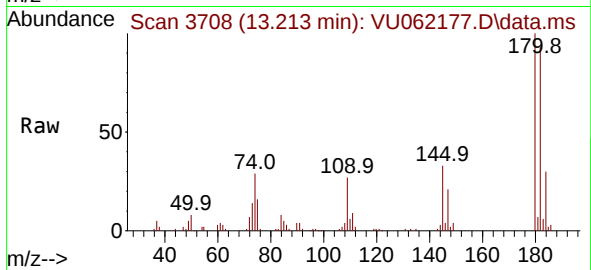
Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 53723

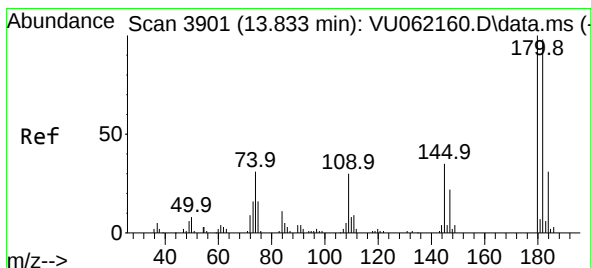
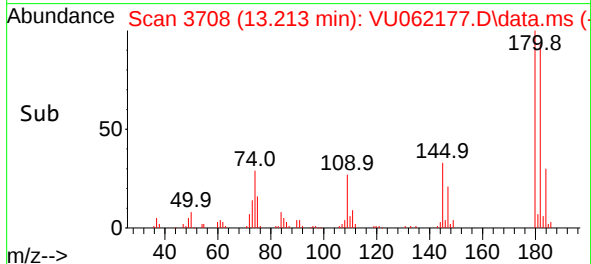
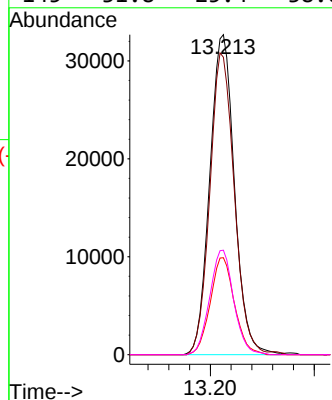
Ion Ratio Lower Upper

180 100

182 93.4 76.7 115.1

184 29.9 24.8 37.2

145 31.8 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 4.193 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU062177.D

Acq: 09 Dec 2024 23:06

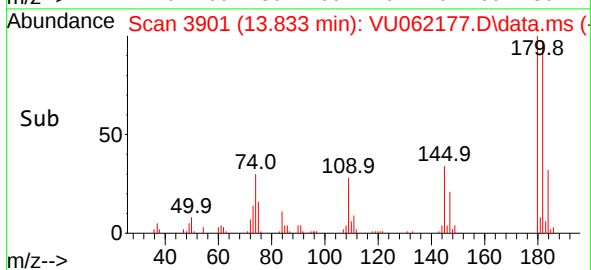
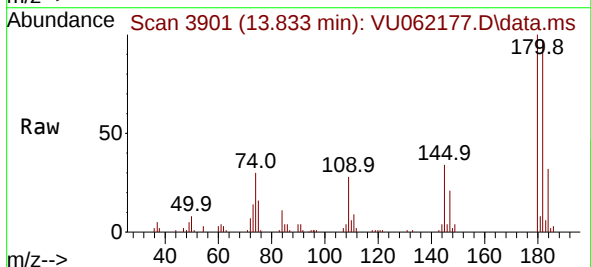
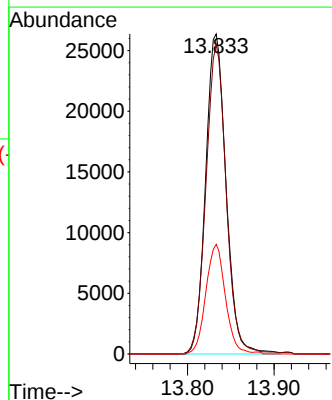
Tgt Ion:180 Resp: 43167

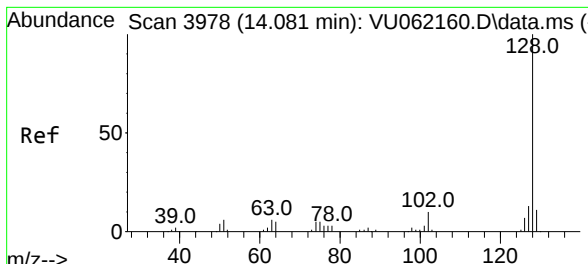
Ion Ratio Lower Upper

180 100

182 95.8 74.5 111.7

145 32.8 25.6 38.4

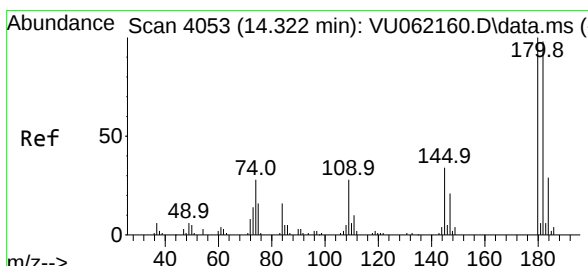
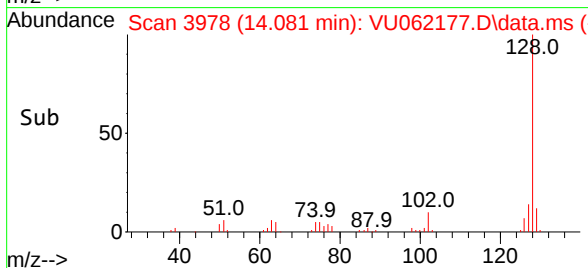
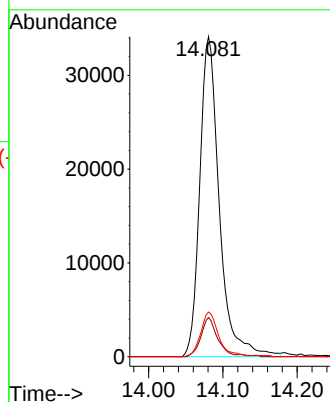
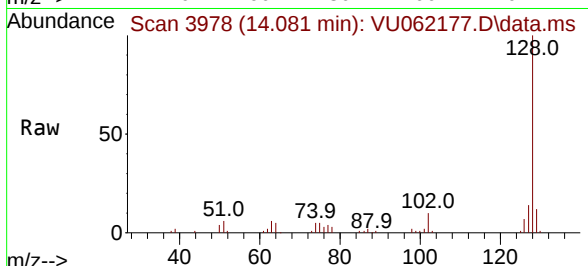




#71
Naphthalene
Concen: 4.036 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	62389
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.5	12.7
127	12.8	10.2	15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.300 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU062177.D
Acq: 09 Dec 2024 23:06

Tgt Ion:	180	Resp:	39034
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.1	114.1
145	34.2	27.4	41.0

