

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
 Data File : VU060537.D
 Acq On : 24 Aug 2024 02:25
 Operator : MD/SY
 Sample : P3711-10MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 24 04:40:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 24 01:46:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	96494	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	99882	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	60252	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	19170	4.498	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.000%
7) Chloroethane-d5	1.911	69	28760	4.454	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	2.560	65	13370	5.323	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.400%
20) 2-Butanone-d5	4.634	46	80859	55.172	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.340%
24) Chloroform-d	5.055	84	64893	5.341	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.800%
26) 1,2-Dichloroethane-d4	5.695	65	34140	5.384	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.600%
32) Benzene-d6	5.721	84	112997	5.174	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.400%
36) 1,2-Dichloropropane-d6	6.682	67	37124	5.268	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.400%
41) Toluene-d8	7.891	98	107743	5.258	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.200%
43) trans-1,3-Dichloroprop...	8.174	79	12809	5.080	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.600%
46) 2-Hexanone-d5	8.627	63	61545	50.975	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.960%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	32370	5.162	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	40858	4.599	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	52270	4.774	ug/L	99
3) Chloromethane	1.518	50	44790	4.721	ug/L	96
5) Vinyl chloride	1.602	62	45568	4.878	ug/L	99
6) Bromomethane	1.856	94	31772	3.379	ug/L	95
8) Chloroethane	1.930	64	40215	4.718	ug/L	98
9) Trichlorofluoromethane	2.132	101	91633	4.512	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	44328	5.159	ug/L	99
12) 1,1-Dichloroethene	2.573	96	41975	5.308	ug/L	93
13) Acetone	2.647	43	59053	48.153	ug/L	100
14) Carbon disulfide	2.788	76	114825	4.474	ug/L	100
15) Methyl Acetate	2.962	43	10892	4.343	ug/L	92
16) Methylene chloride	3.039	84	38968	5.073	ug/L	92
17) Methyl tert-butyl Ether	3.357	73	84451	5.262	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	36527	5.305	ug/L	98
19) 1,1-Dichloroethane	3.859	63	72380	5.188	ug/L	98
21) 2-Butanone	4.711	43	90211	53.790	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	39533	5.153	ug/L	97
23) Bromochloromethane	4.965	128	19362	5.553	ug/L #	92
25) Chloroform	5.078	83	76294	5.167	ug/L	96

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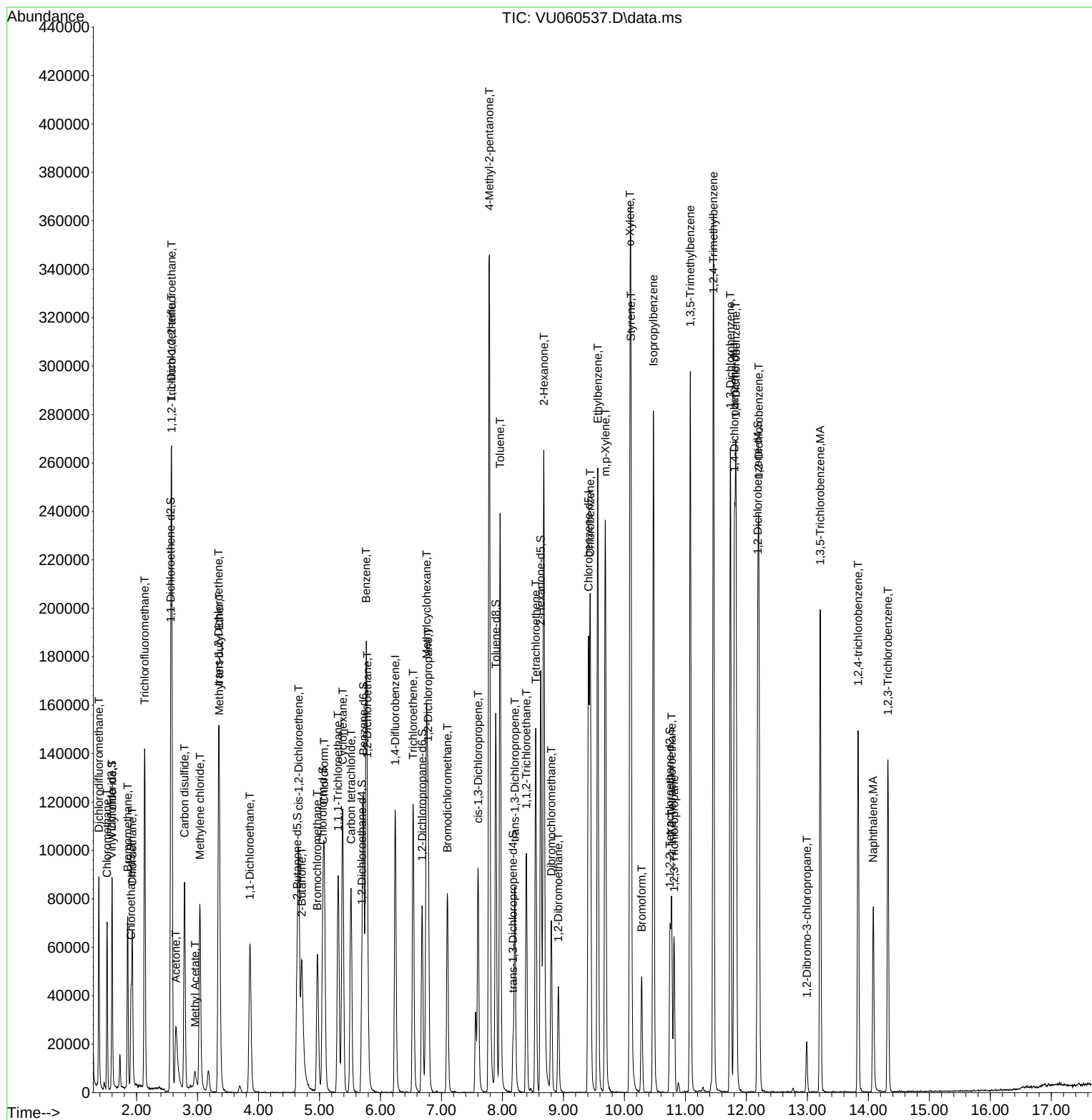
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	50607	5.106	ug/L #	95
29) 1,1,1-Trichloroethane	5.306	97	67556	4.938	ug/L	98
30) Cyclohexane	5.380	56	55341	4.886	ug/L	100
31) Carbon tetrachloride	5.518	117	61441	4.860	ug/L	99
33) Benzene	5.766	78	160508	5.067	ug/L	100
34) Trichloroethene	6.534	95	41379	4.819	ug/L	97
35) Methylcyclohexane	6.756	83	54765	4.648	ug/L	99
37) 1,2-Dichloropropane	6.782	63	44076	5.430	ug/L #	97
38) Bromodichloromethane	7.100	83	54819	5.139	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	56545	4.751	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	229430	54.270	ug/L	99
42) Toluene	7.962	91	176124	5.261	ug/L	95
44) trans-1,3-Dichloropropene	8.203	75	49702	5.087	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	30167	5.130	ug/L	98
47) Tetrachloroethene	8.547	164	32760	4.654	ug/L	98
48) 2-Hexanone	8.679	43	171606	54.240	ug/L	99
49) Dibromochloromethane	8.801	129	36191	5.316	ug/L	95
50) 1,2-Dibromoethane	8.917	107	28497	5.279	ug/L	98
51) Chlorobenzene	9.441	112	108802	5.021	ug/L	98
52) Ethylbenzene	9.563	91	179775	5.067	ug/L	99
53) m,p-Xylene	9.688	106	70716	5.362	ug/L	100
54) o-Xylene	10.093	106	67623	5.008	ug/L	99
55) Styrene	10.110	104	116112	5.248	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	38550	5.135	ug/L	98
59) Bromoform	10.283	173	22182	4.480	ug/L	99
60) Isopropylbenzene	10.476	105	181381	4.506	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	26779	4.608	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	159743	5.325	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	195051	6.373	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	111014	5.635	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	102784	5.142	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	83146	4.499	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	5730	4.368	ug/L #	89
69) 1,3,5-Trichlorobenzene	13.212	180	62984	4.146	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	49253	4.019	ug/L	97
71) Naphthalene	14.080	128	65816	4.204	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	43989	4.289	ug/L	99

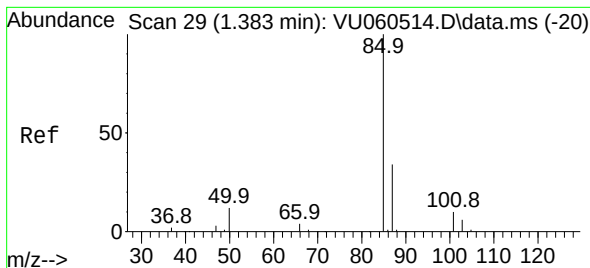
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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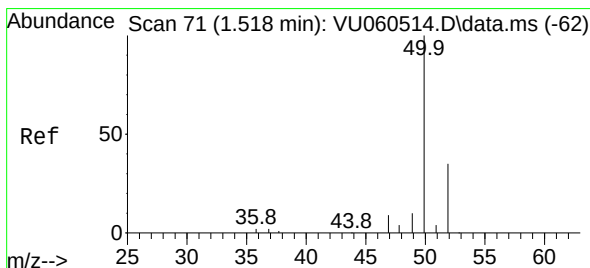
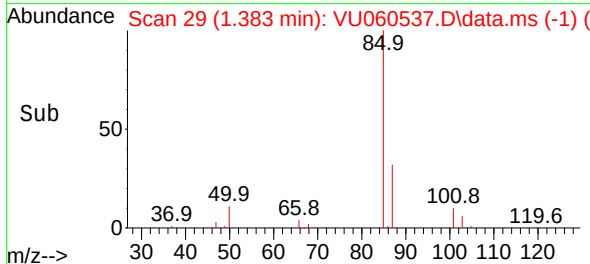
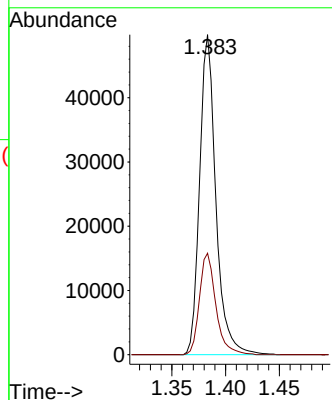
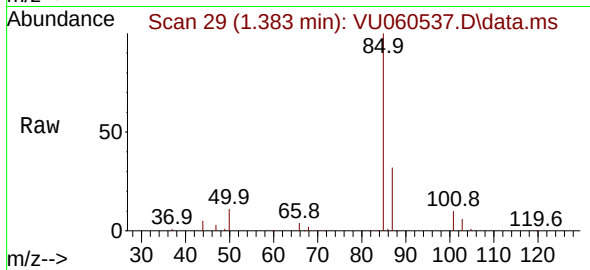




#2
 Dichlorodifluoromethane
 Concen: 4.774 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU060537.D
 Acq: 24 Aug 2024 02:25

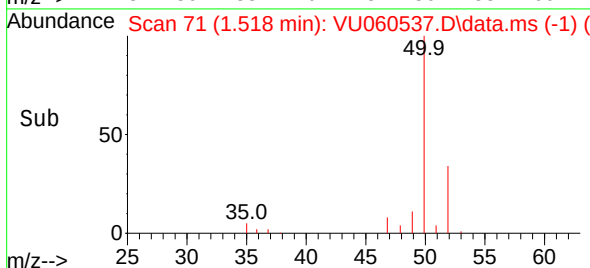
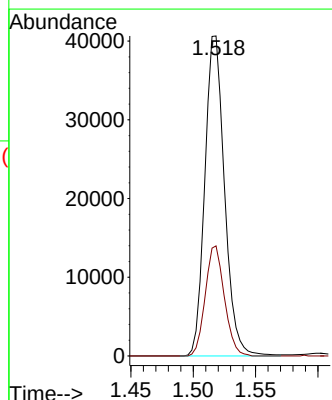
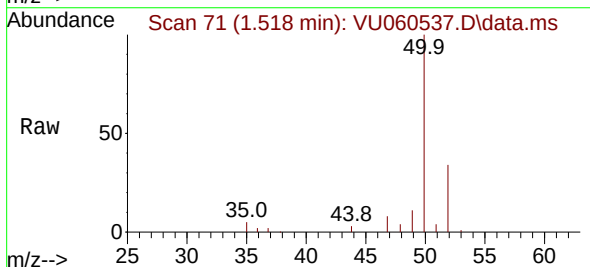
Instrument :
 MSVOA_U
 ClientSampleId :

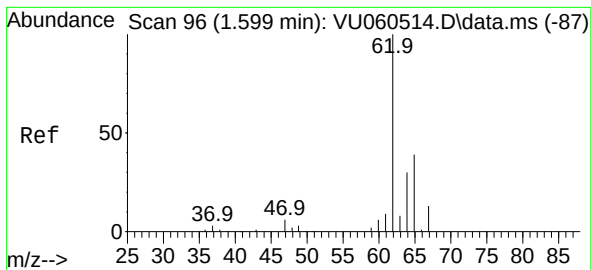
Tgt Ion: 85 Resp: 52270
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.2 39.4



#3
 Chloromethane
 Concen: 4.721 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU060537.D
 Acq: 24 Aug 2024 02:25

Tgt Ion: 50 Resp: 44790
 Ion Ratio Lower Upper
 50 100
 52 34.4 22.7 42.1





#5

Vinyl chloride

Concen: 4.878 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

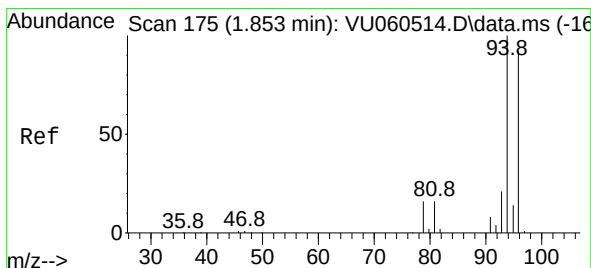
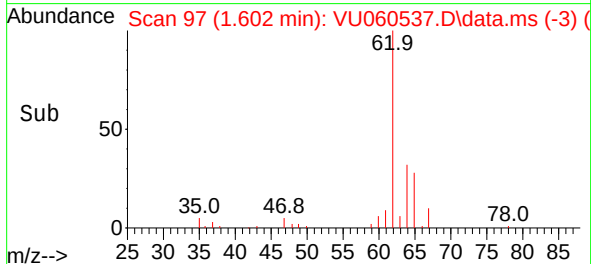
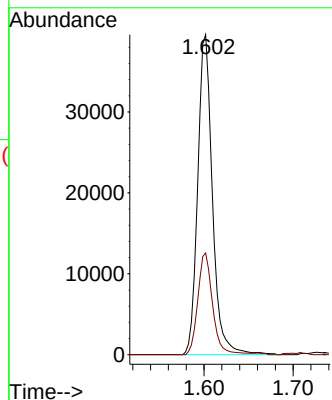
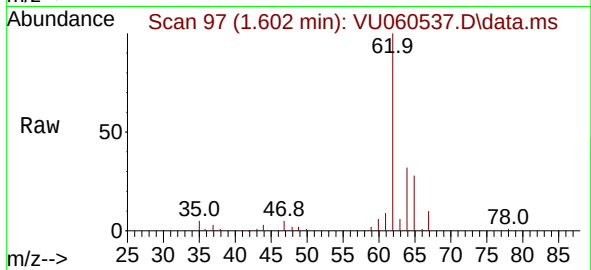
ClientSampleId :

Tgt Ion: 62 Resp: 45568

Ion Ratio Lower Upper

62 100

64 31.8 22.0 40.8



#6

Bromomethane

Concen: 3.379 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.003 min

Lab File: VU060537.D

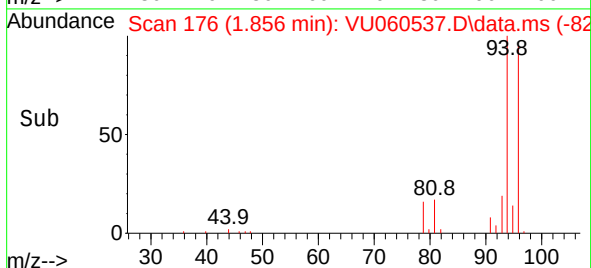
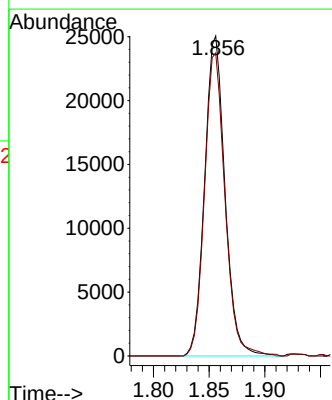
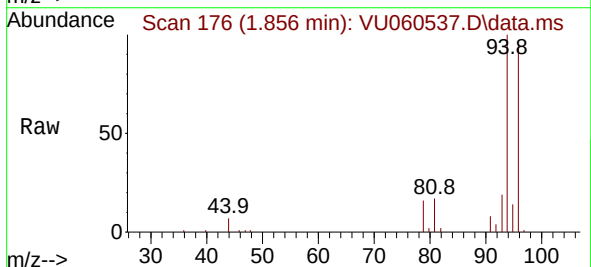
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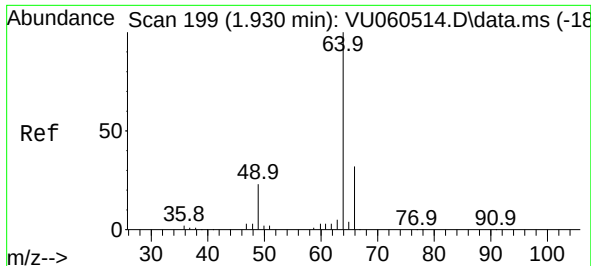
Tgt Ion: 94 Resp: 31772

Ion Ratio Lower Upper

94 100

96 94.7 63.3 117.5





#8

Chloroethane

Concen: 4.718 ug/L

RT: 1.930 min Scan# 199

Delta R.T. -0.000 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

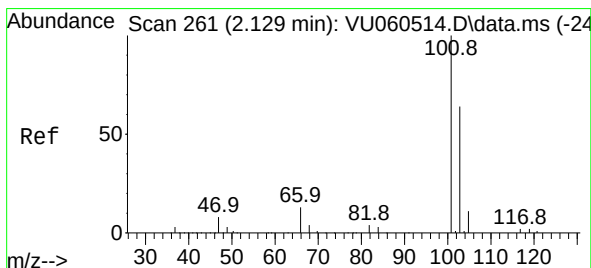
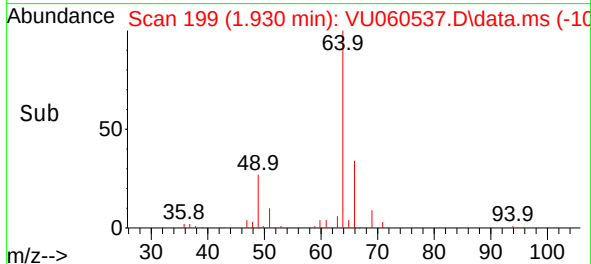
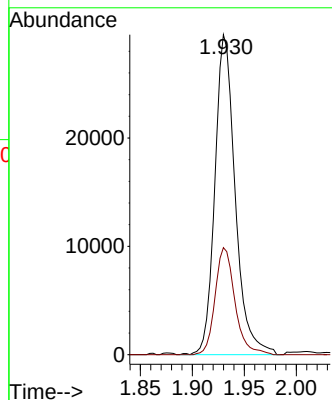
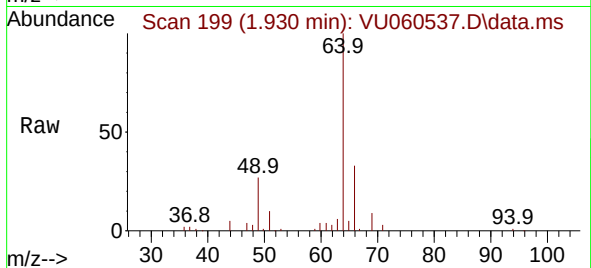
ClientSampleId :

Tgt Ion: 64 Resp: 40215

Ion Ratio Lower Upper

64 100

66 33.5 22.5 41.9



#9

Trichlorofluoromethane

Concen: 4.512 ug/L

RT: 2.132 min Scan# 262

Delta R.T. 0.003 min

Lab File: VU060537.D

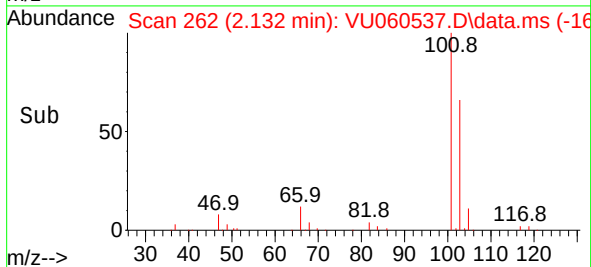
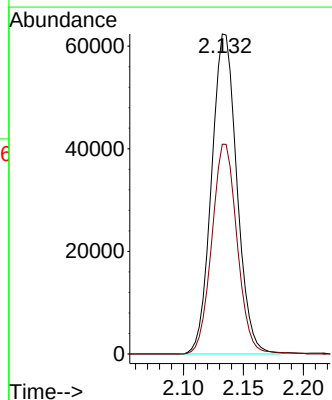
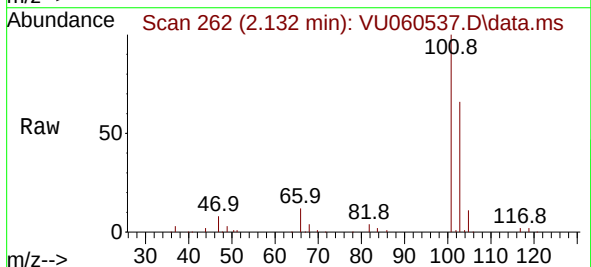
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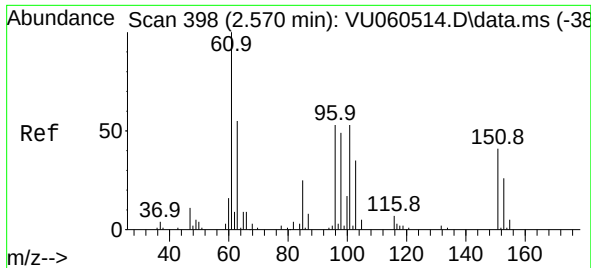
Tgt Ion:101 Resp: 91633

Ion Ratio Lower Upper

101 100

103 65.5 51.4 77.2

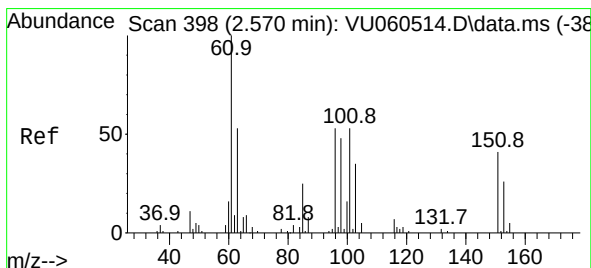
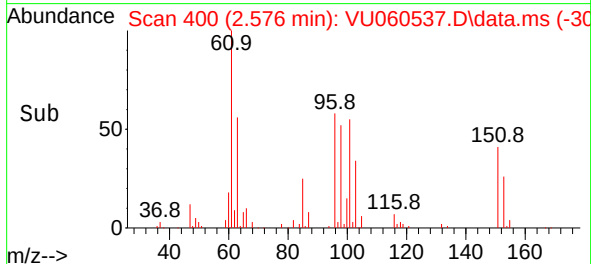
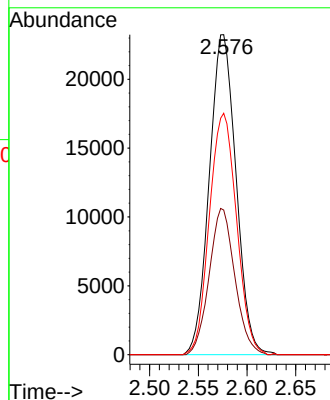
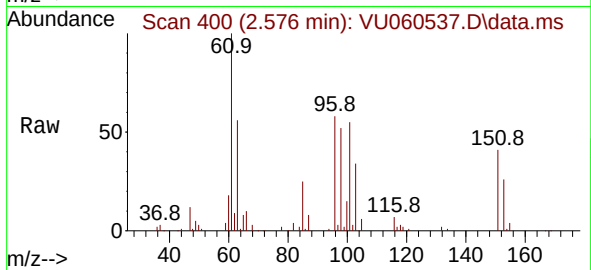




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.159 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.006 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

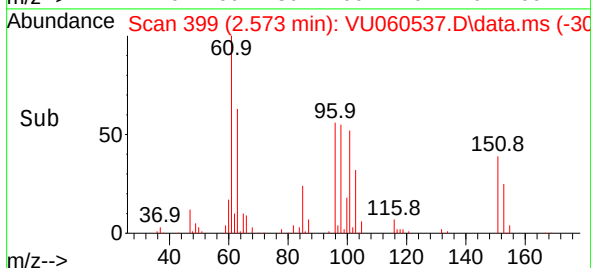
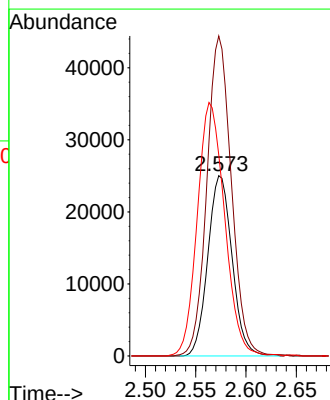
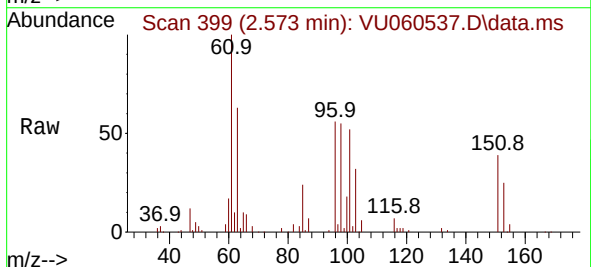
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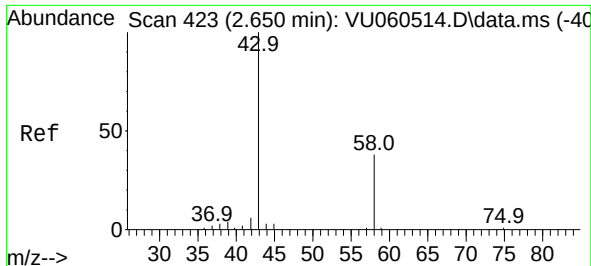
Tgt Ion:101 Resp: 44328
Ion Ratio Lower Upper
101 100
85 43.9 35.8 53.6
151 76.6 61.7 92.5



#12
1,1-Dichloroethene
Concen: 5.308 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.003 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

Tgt Ion: 96 Resp: 41975
Ion Ratio Lower Upper
96 100
61 177.5 116.4 216.2
63 111.6 74.8 139.0





#13

Acetone

Concen: 48.153 ug/L

RT: 2.647 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

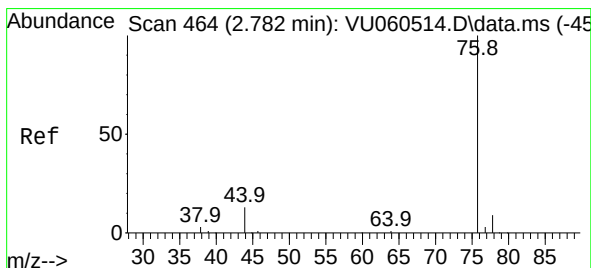
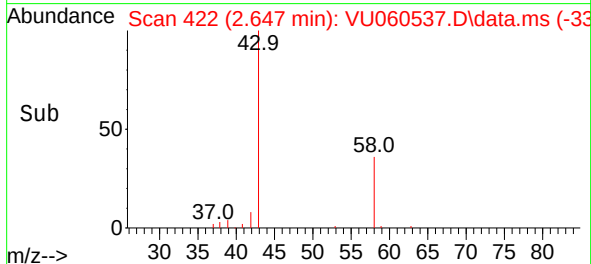
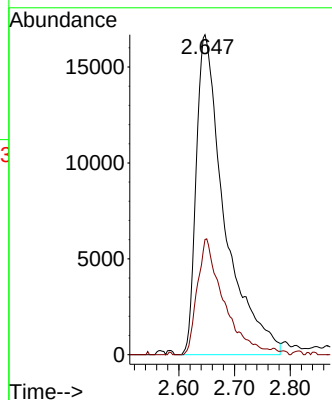
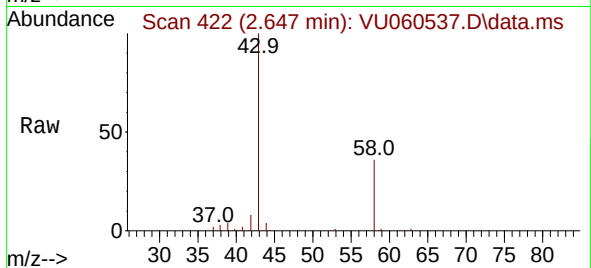
ClientSampleId :

Tgt Ion: 43 Resp: 59053

Ion Ratio Lower Upper

43 100

58 33.5 0.0 66.8



#14

Carbon disulfide

Concen: 4.474 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.006 min

Lab File: VU060537.D

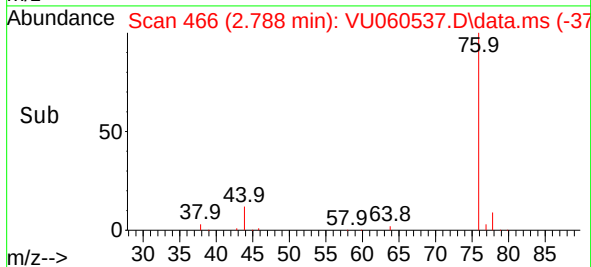
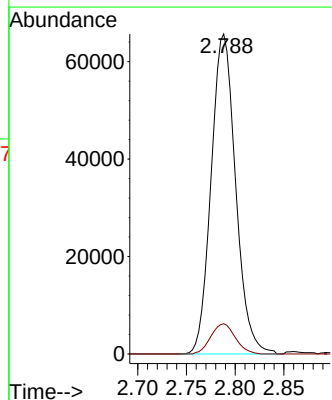
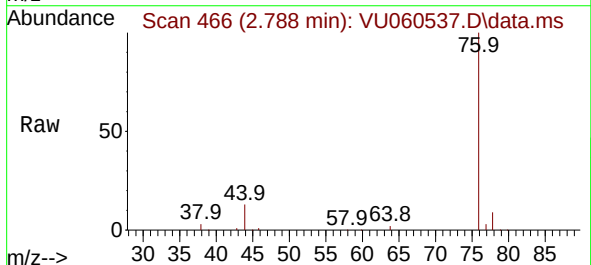
Acq: 24 Aug 2024 02:25

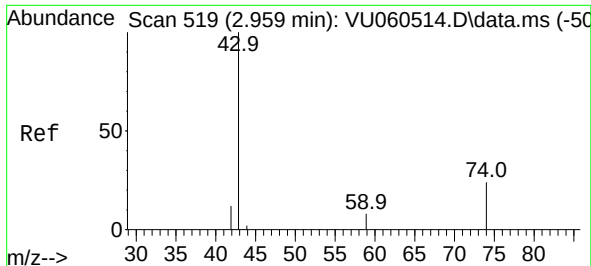
Tgt Ion: 76 Resp: 114825

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2





#15

Methyl Acetate

Concen: 4.343 ug/L

RT: 2.962 min Scan# 51

Delta R.T. 0.003 min

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Instrument :

MSVOA_U

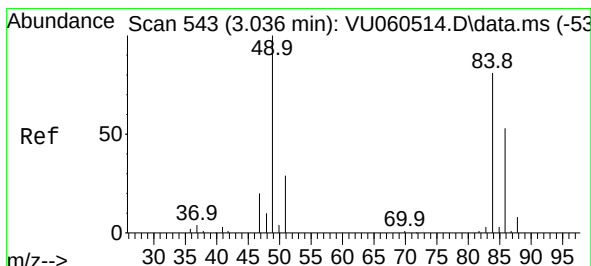
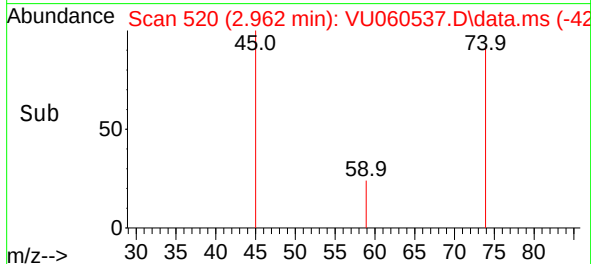
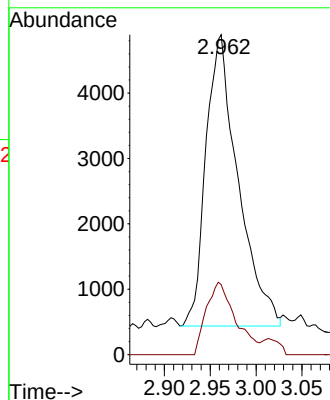
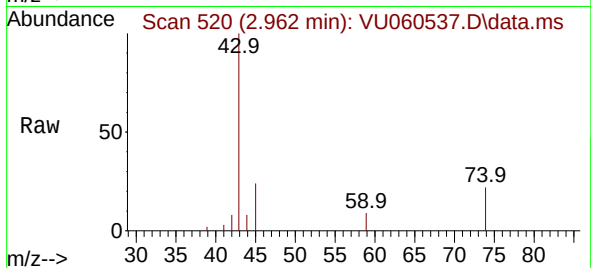
ClientSampleId :

Tgt Ion: 43 Resp: 10892

Ion Ratio Lower Upper

43 100

74 22.8 21.4 32.2



#16

Methylene chloride

Concen: 5.073 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

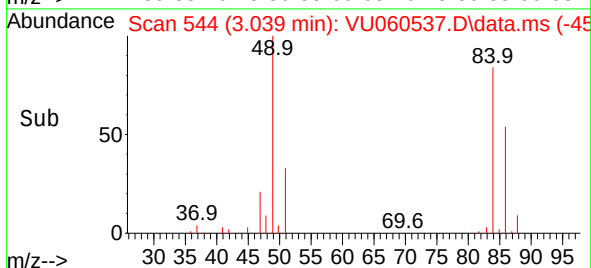
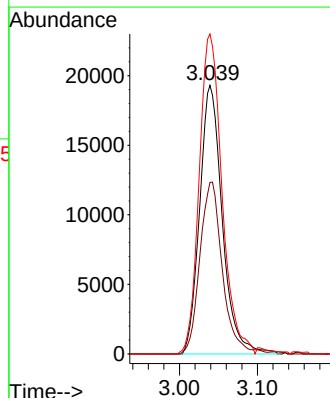
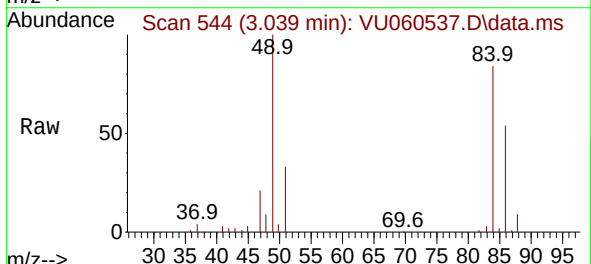
Tgt Ion: 84 Resp: 38968

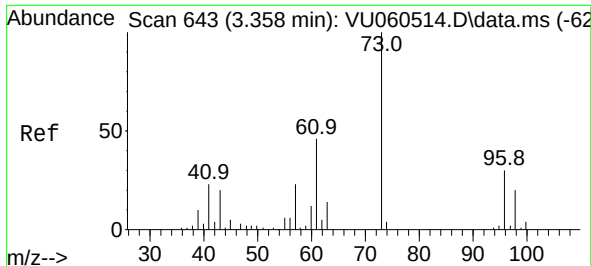
Ion Ratio Lower Upper

84 100

86 63.8 47.5 88.3

49 123.3 94.4 175.2

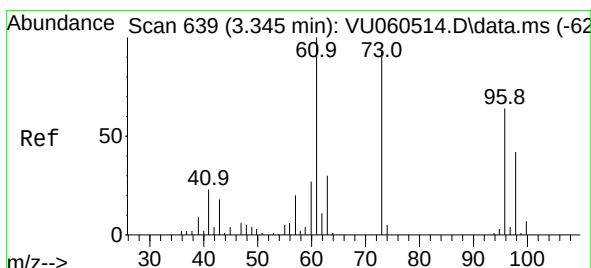
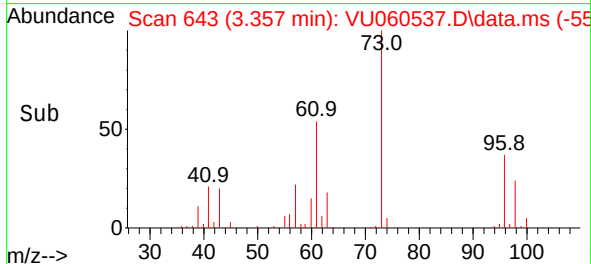
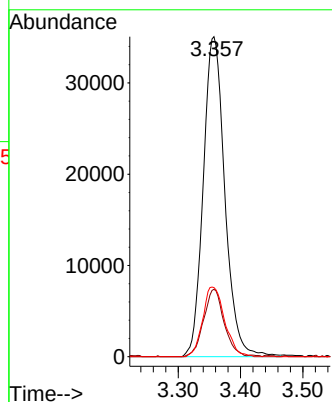
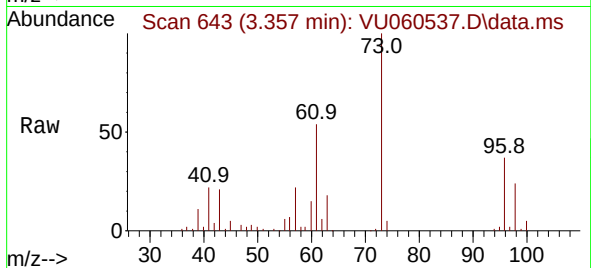




#17
Methyl tert-butyl Ether
Concen: 5.262 ug/L
RT: 3.357 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

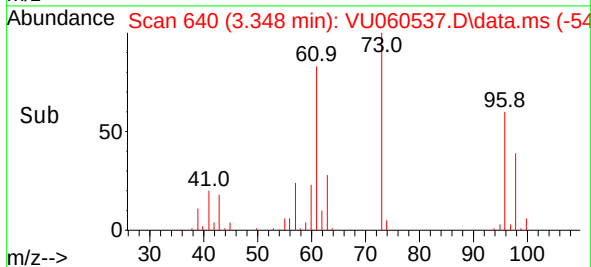
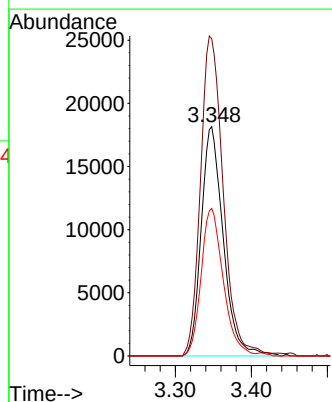
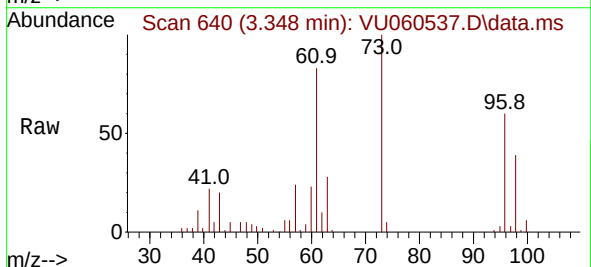
Instrument :
MSVOA_U
ClientSampleId :

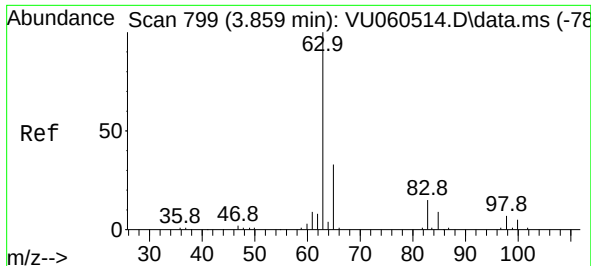
Tgt Ion: 73	Resp: 84451
Ion Ratio	Lower Upper
73 100	
43 19.9	15.8 23.6
57 22.1	16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 5.305 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

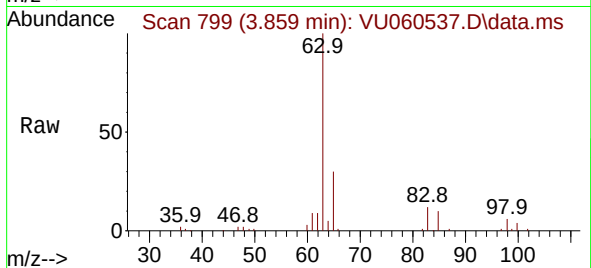
Tgt Ion: 96	Resp: 36527
Ion Ratio	Lower Upper
96 100	
61 138.3	99.2 184.2
98 64.3	44.0 81.8



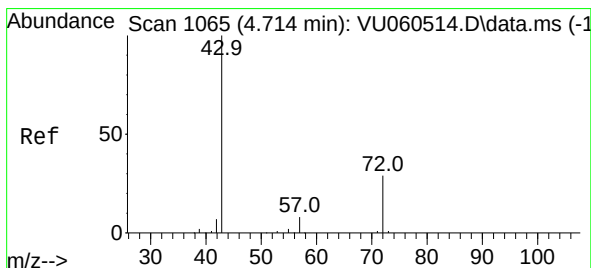
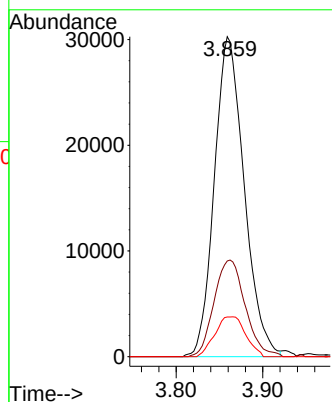
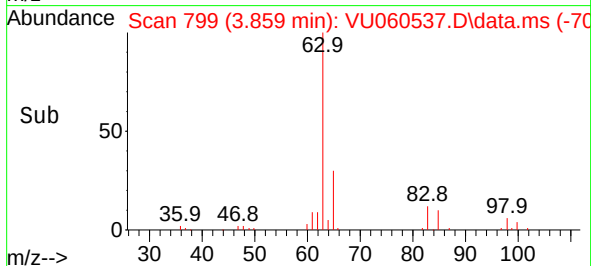


#19
1,1-Dichloroethane
Concen: 5.188 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

Instrument :
MSVOA_U
ClientSampleId :

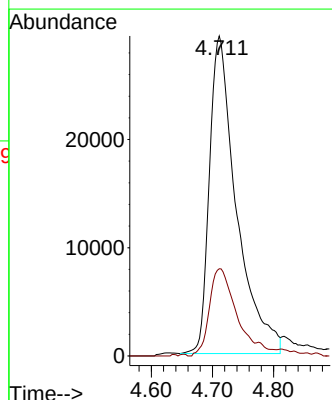
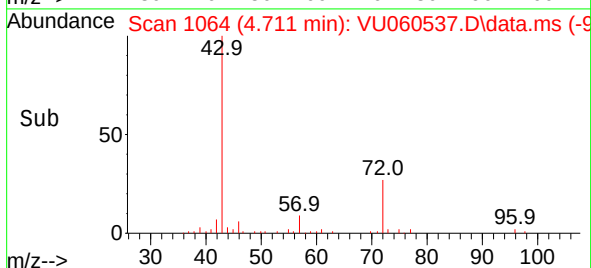
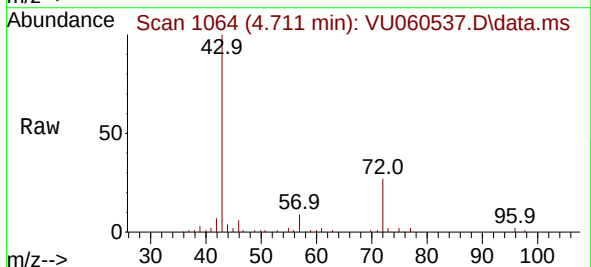


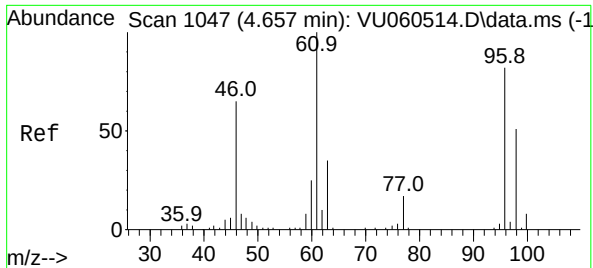
Tgt Ion:	63	Resp:	72380
Ion	Ratio	Lower	Upper
63	100		
65	30.5	20.5	38.1
83	12.4	9.2	17.2



#21
2-Butanone
Concen: 53.790 ug/L
RT: 4.711 min Scan# 1064
Delta R.T. -0.003 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

Tgt Ion:	43	Resp:	90211
Ion	Ratio	Lower	Upper
43	100		
72	28.4	14.0	42.0





#22

cis-1,2-Dichloroethene

Concen: 5.153 ug/L

RT: 4.660 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

ClientSampleId :

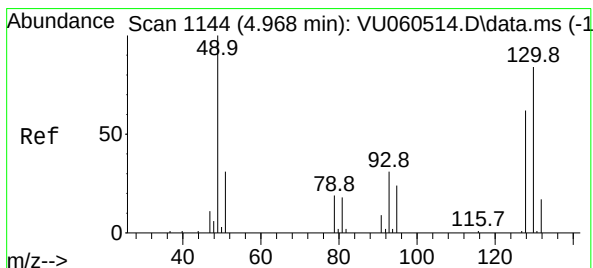
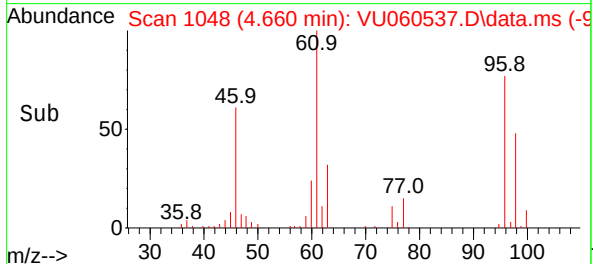
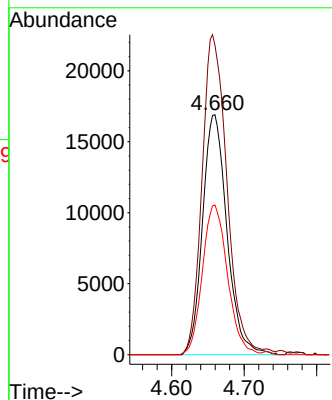
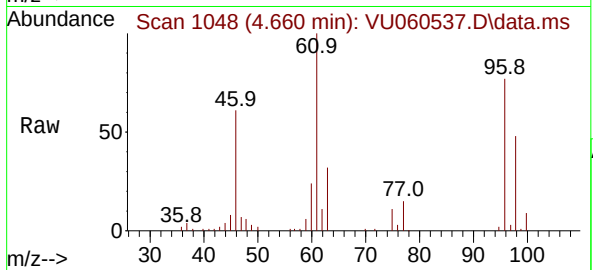
Tgt Ion: 96 Resp: 39533

Ion Ratio Lower Upper

96 100

61 129.1 92.9 172.5

98 62.4 45.0 83.6



#23

Bromochloromethane

Concen: 5.553 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.003 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Tgt Ion: 128 Resp: 19362

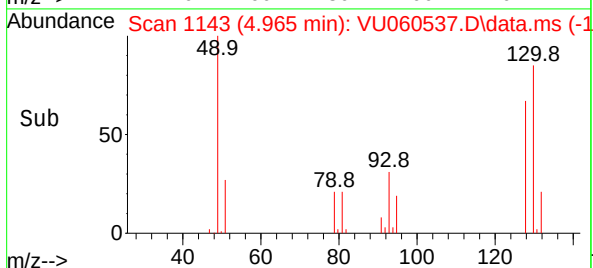
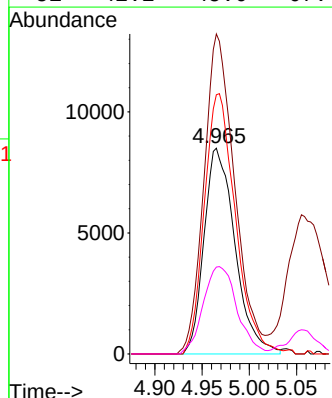
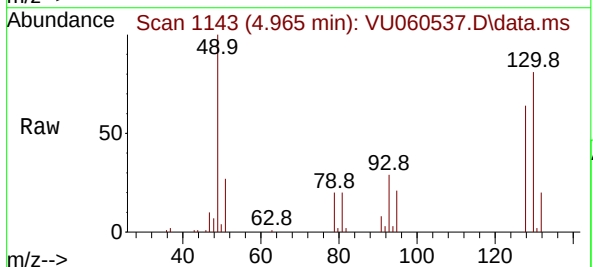
Ion Ratio Lower Upper

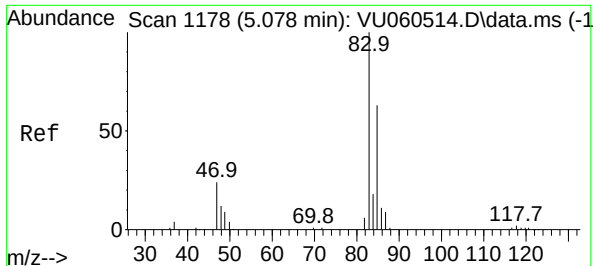
128 100

49 161.0 108.1 200.7

130 125.9 93.1 172.9

51 42.2 45.0 67.4#

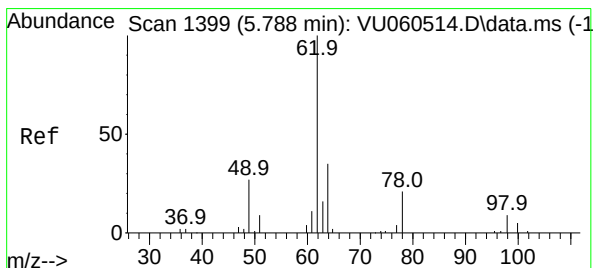
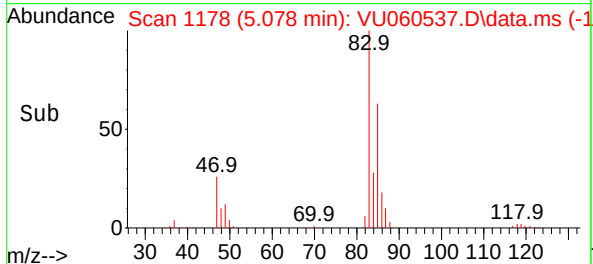
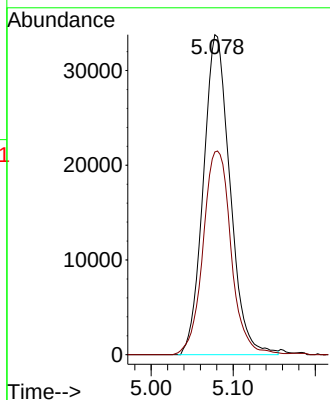
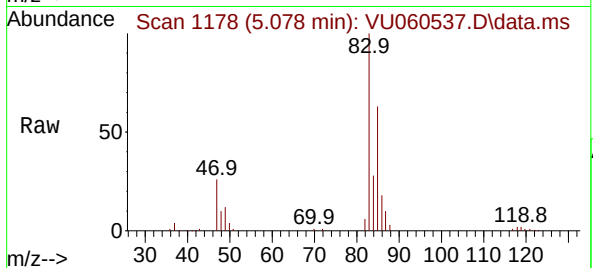




#25
Chloroform
Concen: 5.167 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. -0.000 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

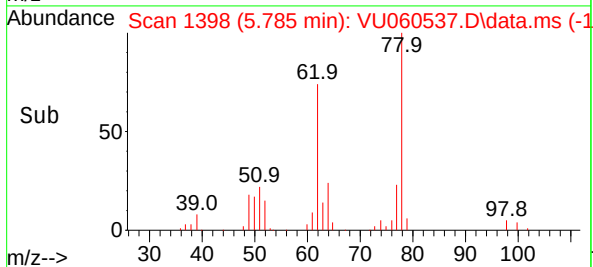
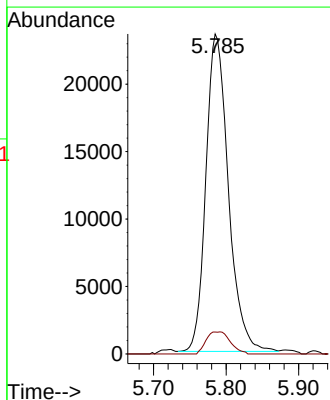
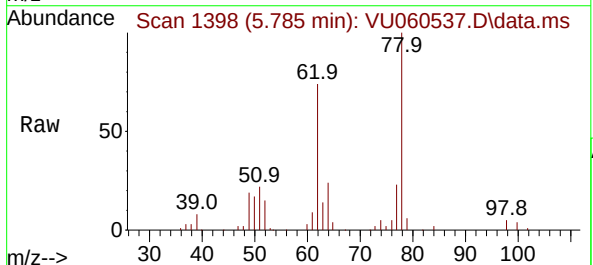
Instrument :
MSVOA_U
ClientSampleId :

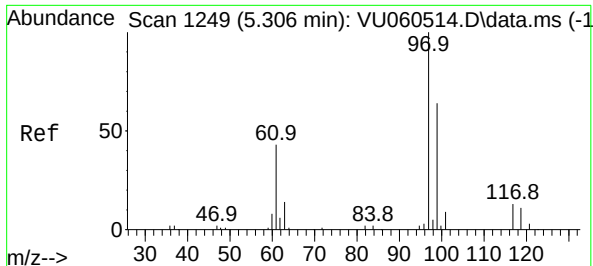
Tgt Ion: 83 Resp: 76294
Ion Ratio Lower Upper
83 100
85 63.4 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.106 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.003 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

Tgt Ion: 62 Resp: 50607
Ion Ratio Lower Upper
62 100
98 6.9 7.0 10.4#

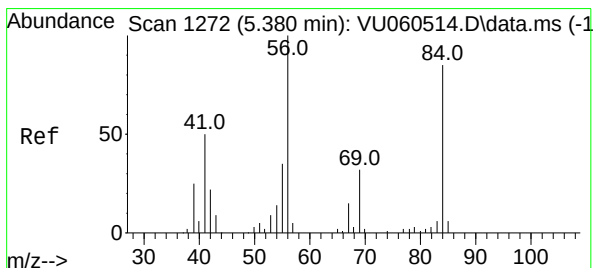
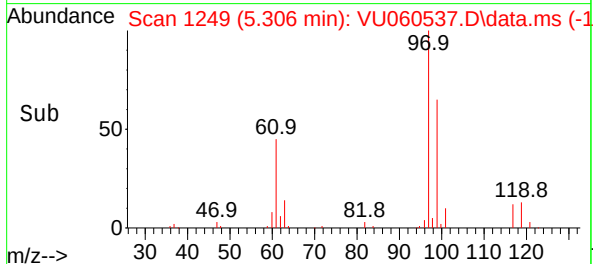
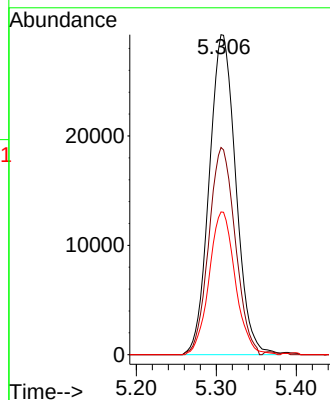
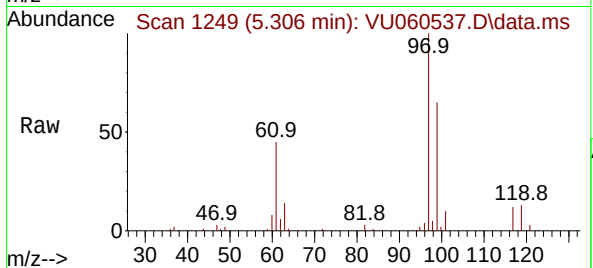




#29
1,1,1-Trichloroethane
Concen: 4.938 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

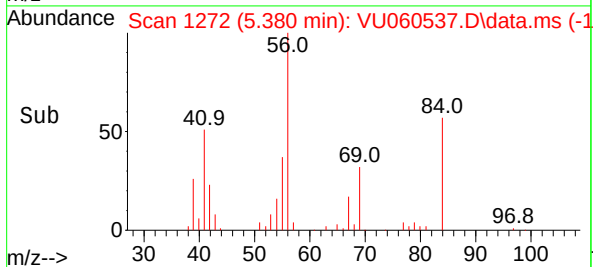
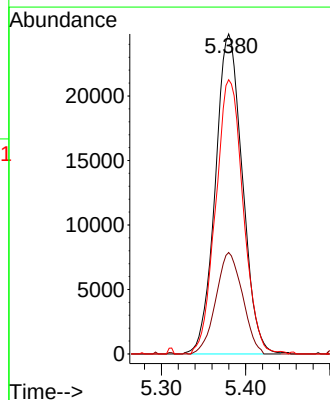
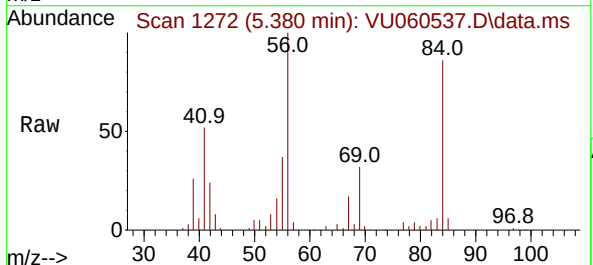
Instrument :
MSVOA_U
ClientSampleId :

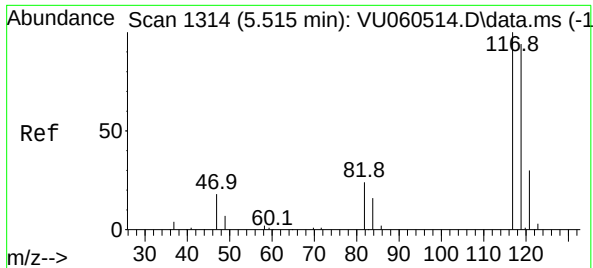
Tgt Ion:	97	Resp:	67556
Ion	Ratio	Lower	Upper
97	100		
99	64.5	49.7	74.5
61	44.0	35.4	53.2



#30
Cyclohexane
Concen: 4.886 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

Tgt Ion:	56	Resp:	55341
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.2	36.2
84	87.1	69.7	104.5

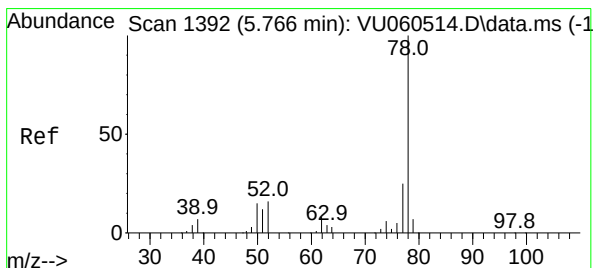
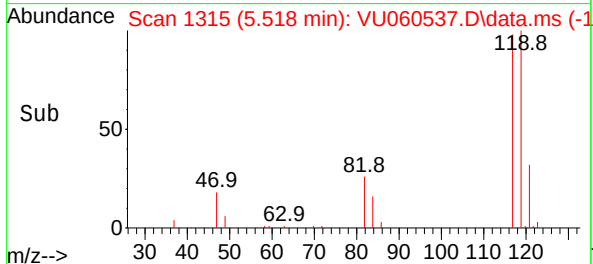
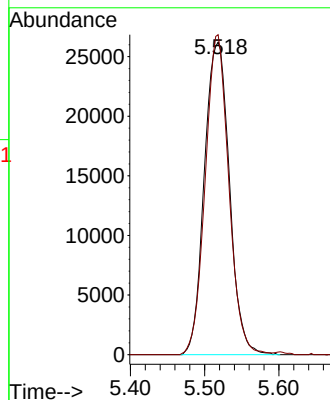
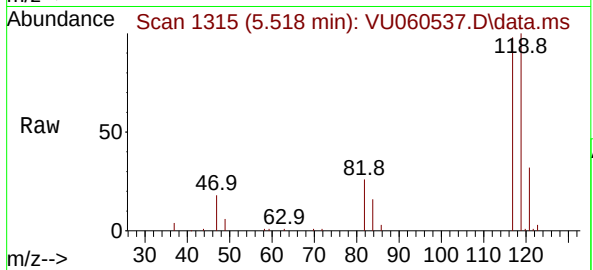




#31
Carbon tetrachloride
Concen: 4.860 ug/L
RT: 5.518 min Scan# 1314
Delta R.T. 0.003 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

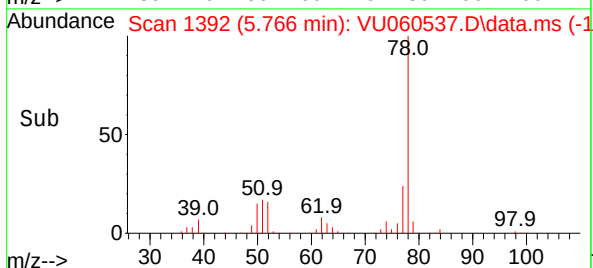
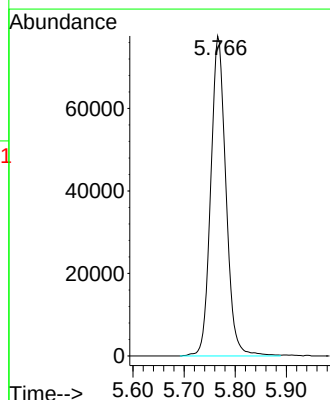
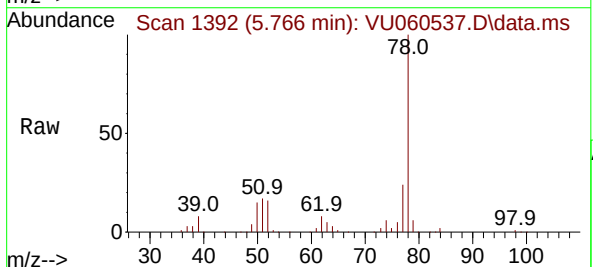
Instrument :
MSVOA_U
ClientSampleId :

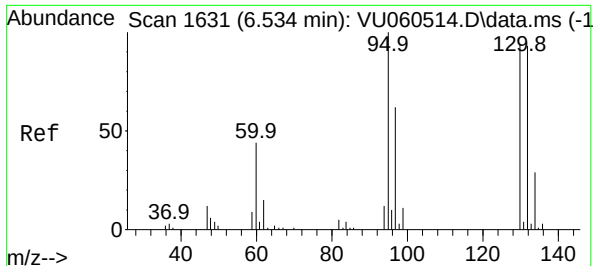
Tgt Ion:117 Resp: 61441
Ion Ratio Lower Upper
117 100
119 96.3 76.4 114.6



#33
Benzene
Concen: 5.067 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

Tgt Ion: 78 Resp: 160508





#34

Trichloroethene

Concen: 4.819 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 41379

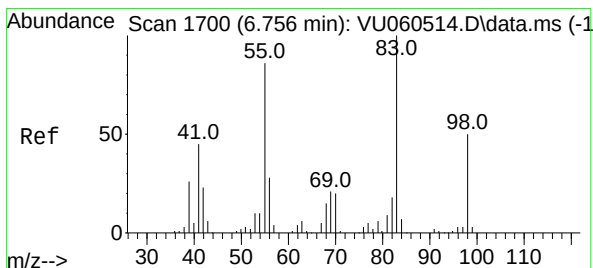
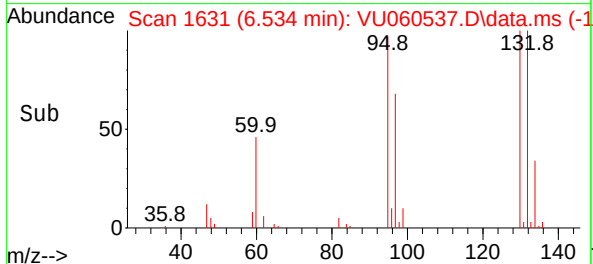
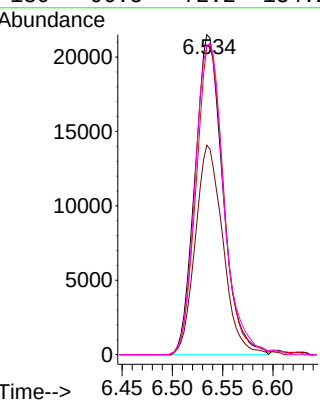
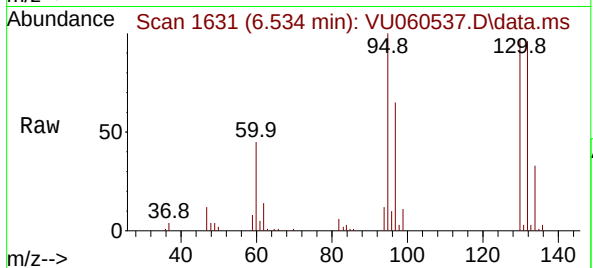
Ion Ratio Lower Upper

95 100

97 65.4 45.8 85.2

132 96.2 67.4 125.2

130 96.5 72.2 134.2



#35

Methylcyclohexane

Concen: 4.648 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

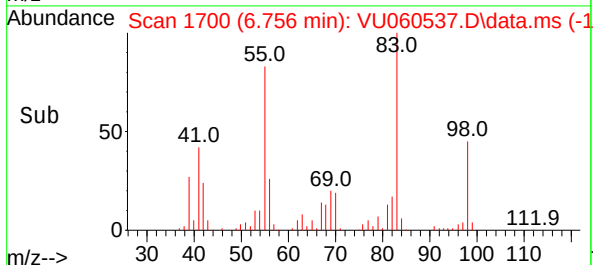
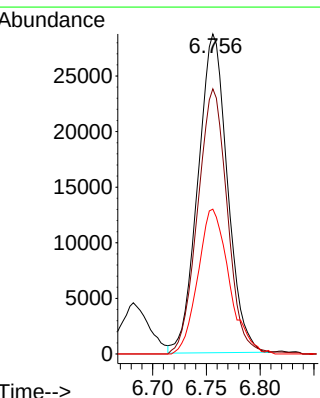
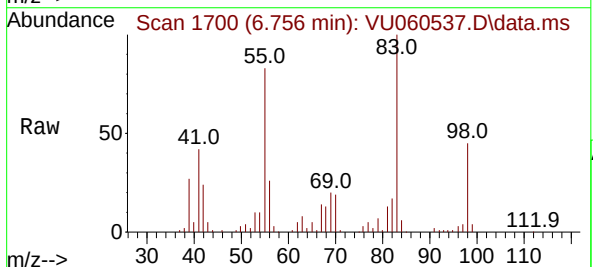
Tgt Ion: 83 Resp: 54765

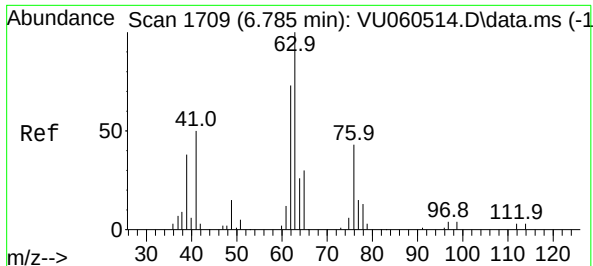
Ion Ratio Lower Upper

83 100

55 83.8 65.8 98.8

98 48.1 37.8 56.8

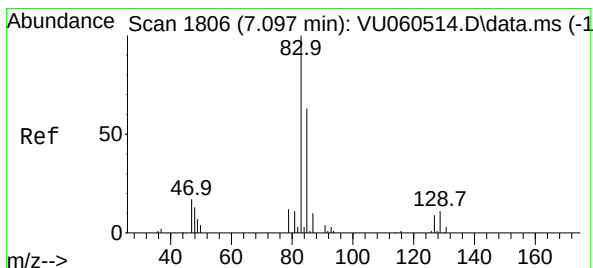
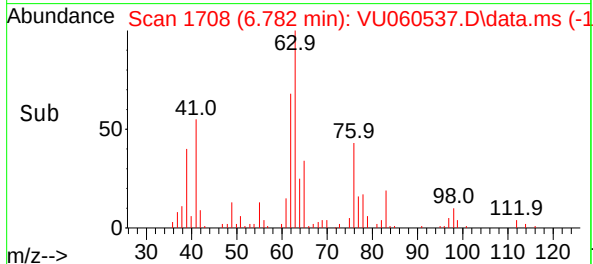
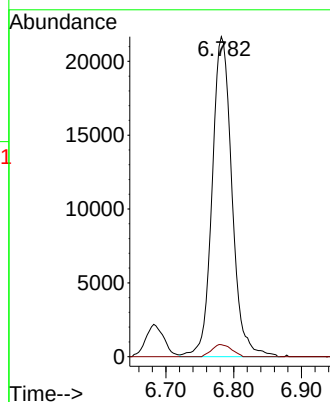
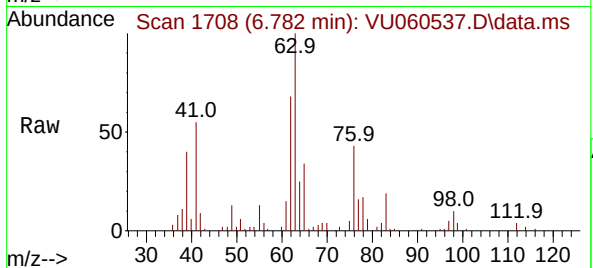




#37
1,2-Dichloropropane
Concen: 5.430 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

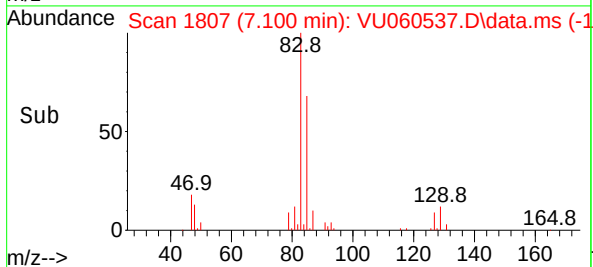
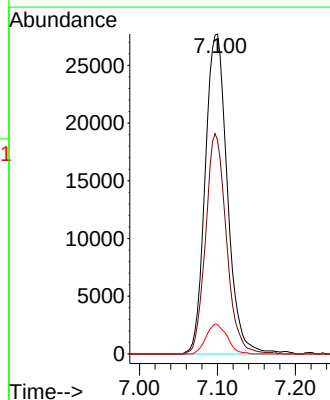
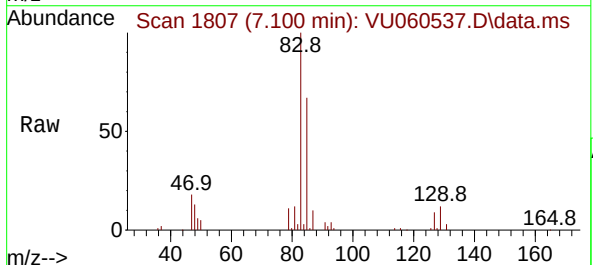
Instrument :
MSVOA_U
ClientSampleId :

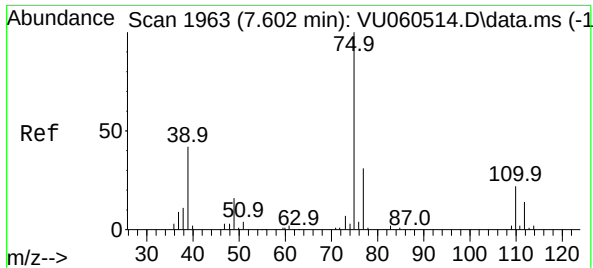
Tgt Ion: 63 Resp: 44076
Ion Ratio Lower Upper
63 100
112 3.8 2.3 3.5#



#38
Bromodichloromethane
Concen: 5.139 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

Tgt Ion: 83 Resp: 54819
Ion Ratio Lower Upper
83 100
85 66.8 44.9 83.5
127 9.2 7.3 10.9

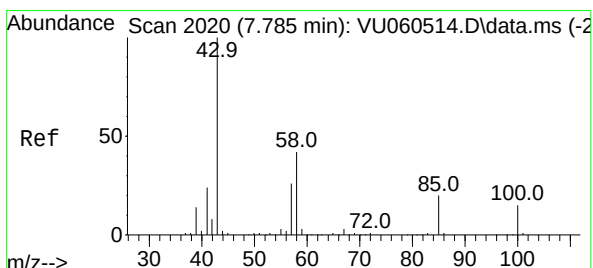
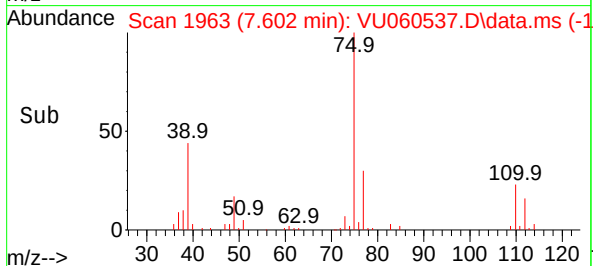
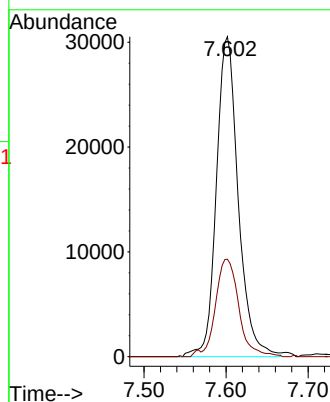
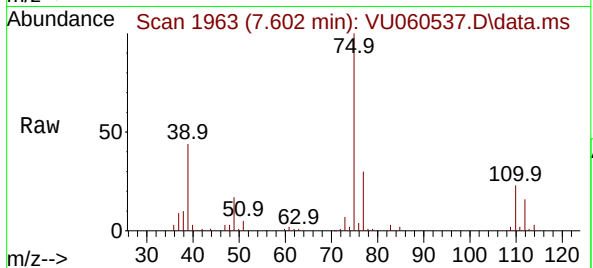




#39
 cis-1,3-Dichloropropene
 Concen: 4.751 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU060537.D
 Acq: 24 Aug 2024 02:25

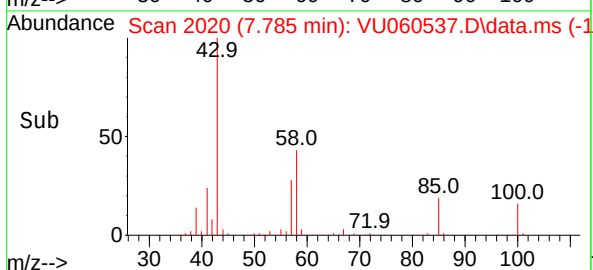
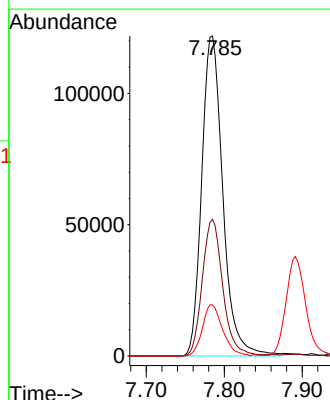
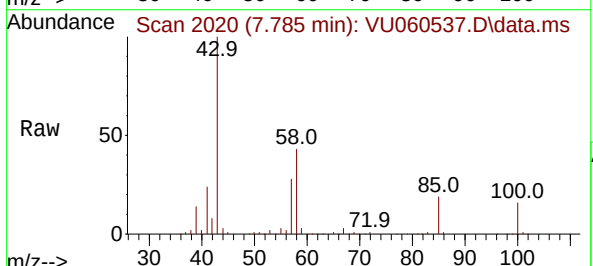
Instrument :
 MSVOA_U
 ClientSampleId :

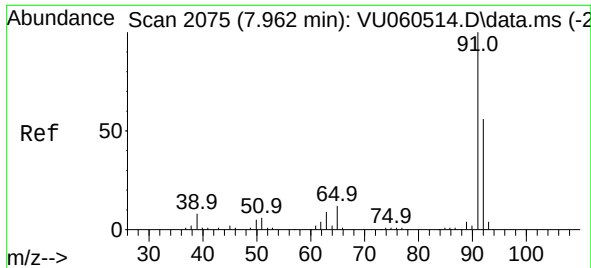
Tgt Ion: 75 Resp: 56545
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 54.270 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. -0.000 min
 Lab File: VU060537.D
 Acq: 24 Aug 2024 02:25

Tgt Ion: 43 Resp: 229430
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.5 48.7
 100 15.4 12.5 18.7





#42

Toluene

Concen: 5.261 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

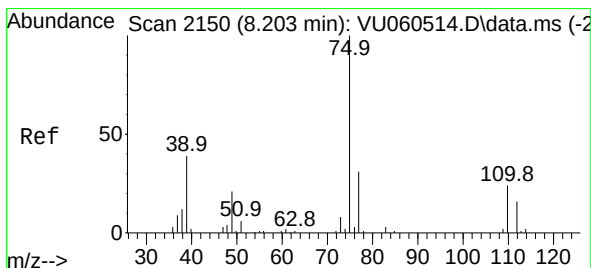
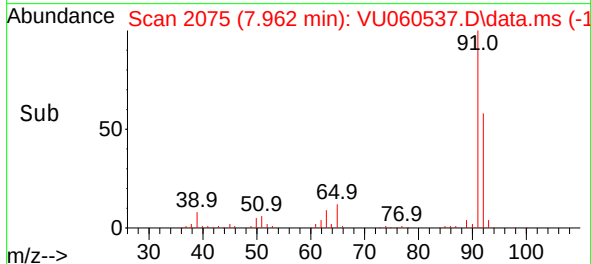
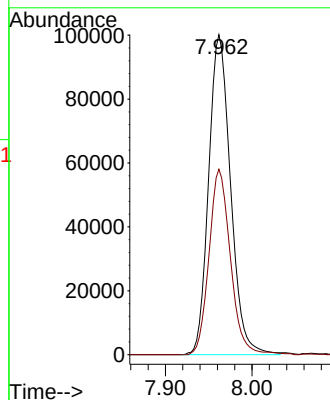
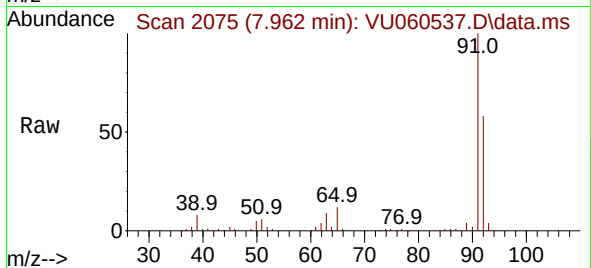
ClientSampleId :

Tgt Ion: 91 Resp: 176124

Ion Ratio Lower Upper

91 100

92 58.0 38.0 70.6



#44

trans-1,3-Dichloropropene

Concen: 5.087 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU060537.D

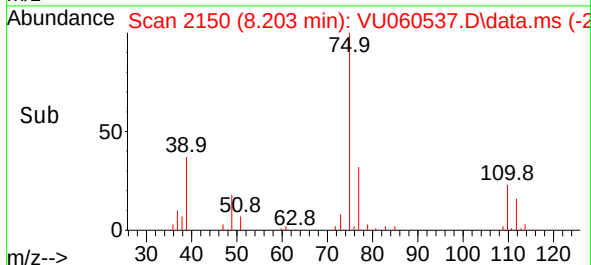
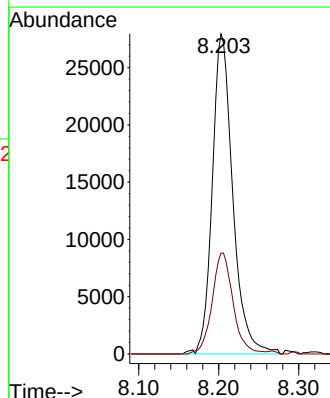
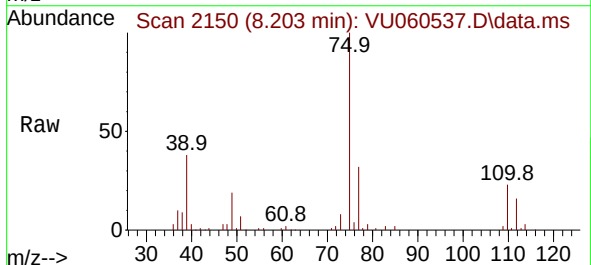
Acq: 24 Aug 2024 02:25

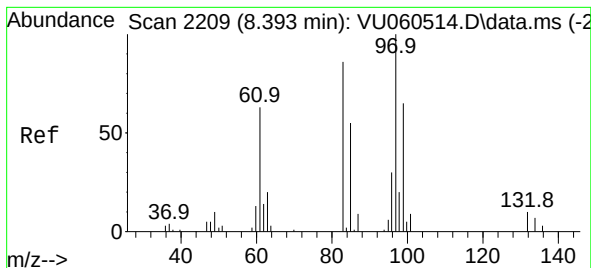
Tgt Ion: 75 Resp: 49702

Ion Ratio Lower Upper

75 100

77 31.5 23.4 43.6





#45

1,1,2-Trichloroethane

Concen: 5.130 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 30167

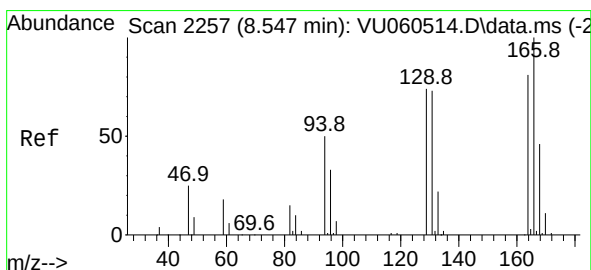
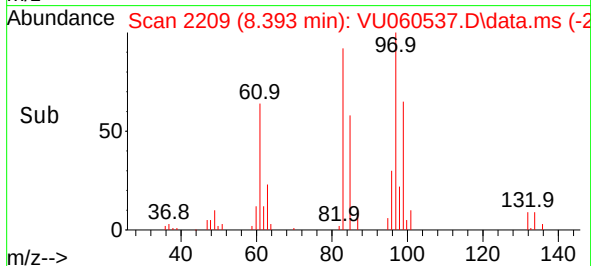
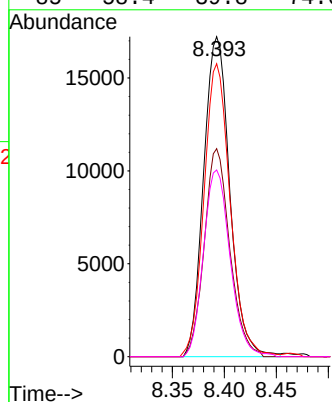
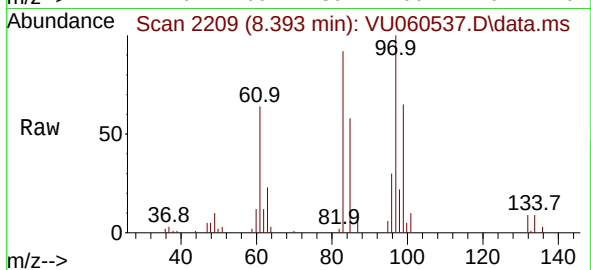
Ion Ratio Lower Upper

97 100

99 65.0 42.4 78.8

83 91.6 64.0 119.0

85 58.4 39.8 74.0



#47

Tetrachloroethene

Concen: 4.654 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Tgt Ion: 164 Resp: 32760

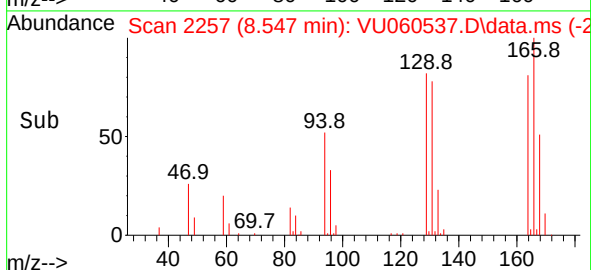
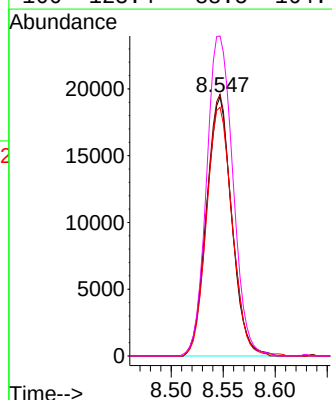
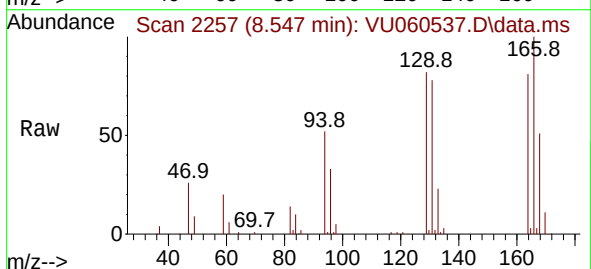
Ion Ratio Lower Upper

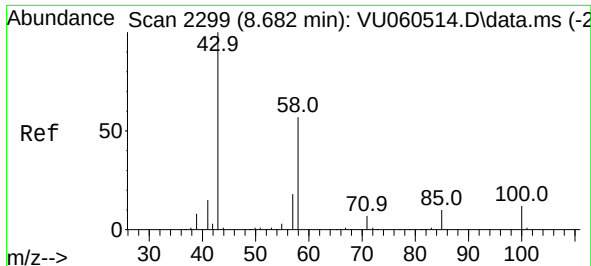
164 100

129 101.0 67.8 125.8

131 95.9 67.2 124.8

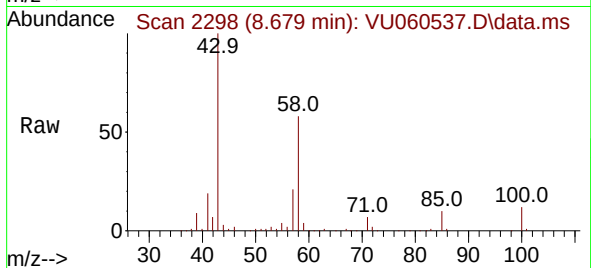
166 123.4 88.5 164.4



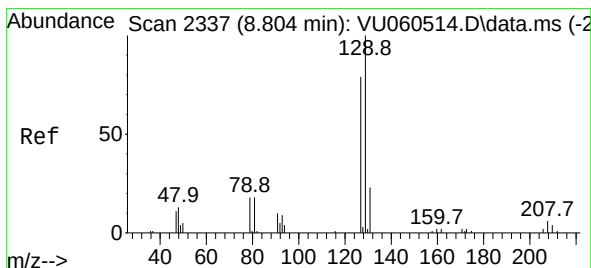
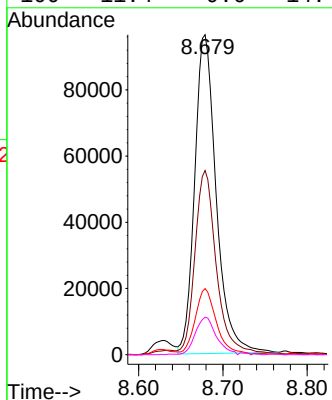
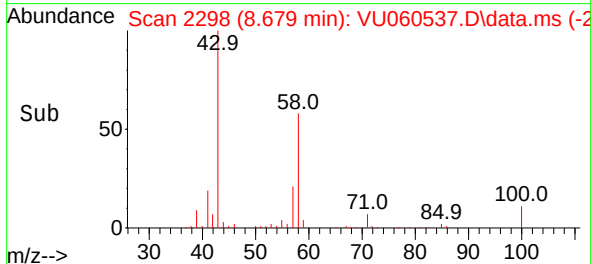


#48
2-Hexanone
Concen: 54.240 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

Instrument :
MSVOA_U
ClientSampleId :

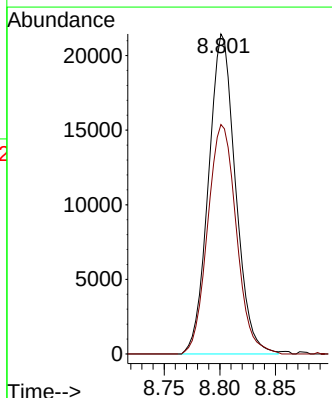
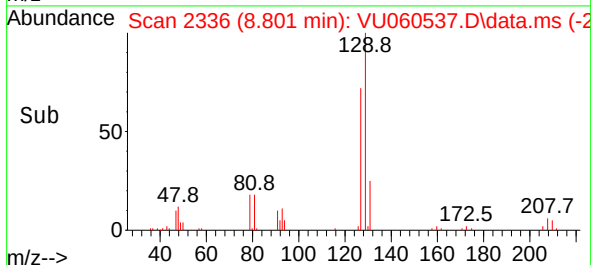
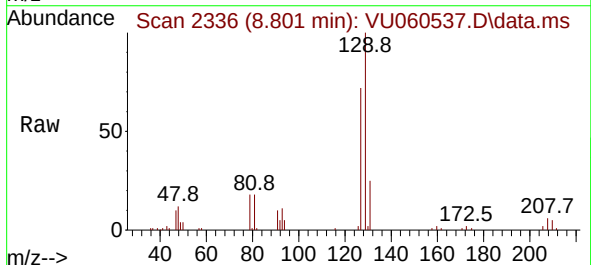


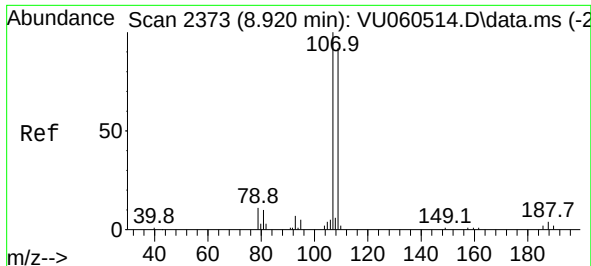
Tgt Ion: 43 Resp: 171606
Ion Ratio Lower Upper
43 100
58 57.3 45.6 68.4
57 20.5 15.6 23.4
100 11.4 9.6 14.4



#49
Dibromochloromethane
Concen: 5.316 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

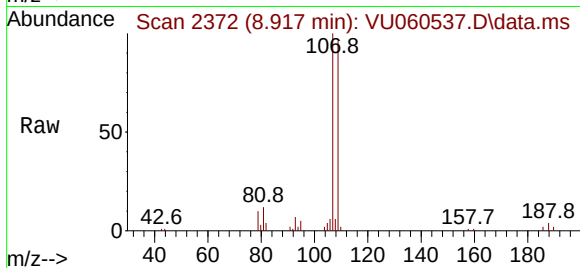
Tgt Ion: 129 Resp: 36191
Ion Ratio Lower Upper
129 100
127 71.7 53.0 98.4



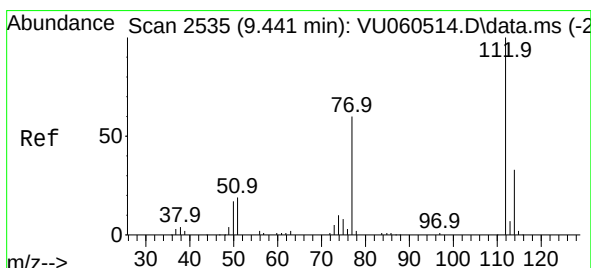
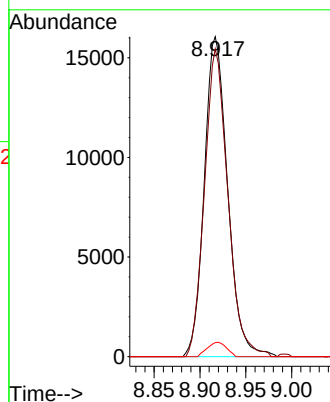
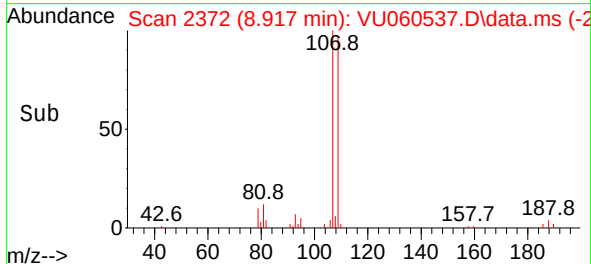


#50
1,2-Dibromoethane
Concen: 5.279 ug/L
RT: 8.917 min Scan# 24
Delta R.T. -0.003 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

Instrument :
MSVOA_U
ClientSampleId :

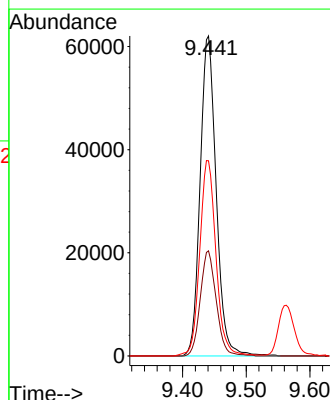
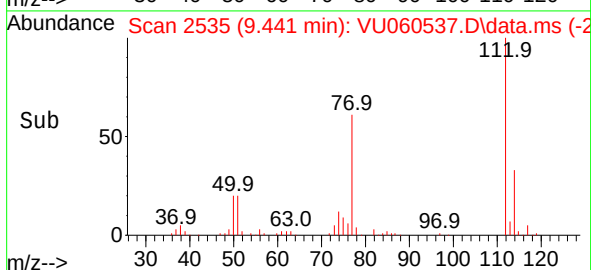
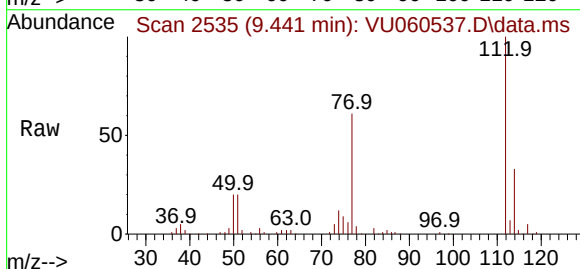


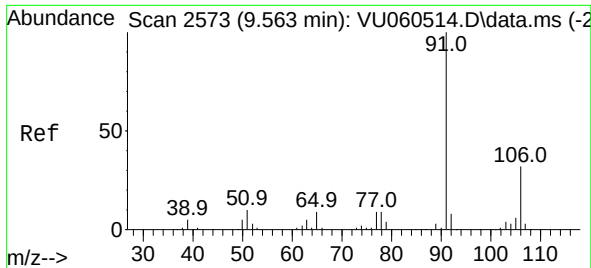
Tgt Ion:107 Resp: 28497
Ion Ratio Lower Upper
107 100
109 96.2 68.5 127.3
188 4.4 3.9 5.9



#51
Chlorobenzene
Concen: 5.021 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

Tgt Ion:112 Resp: 108802
Ion Ratio Lower Upper
112 100
114 32.9 21.9 40.7
77 61.0 47.4 71.2

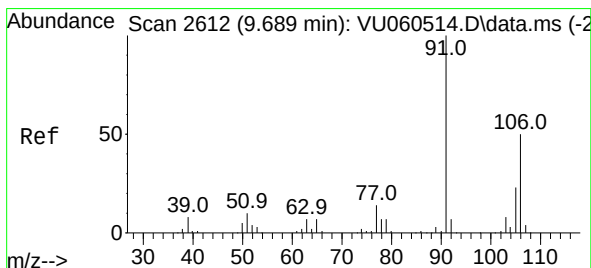
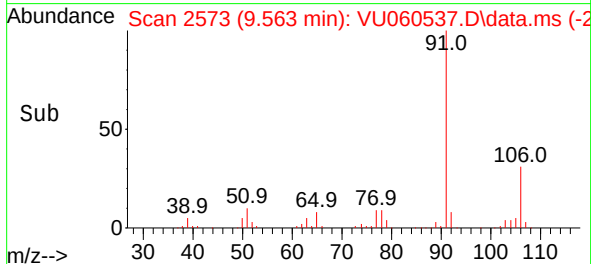
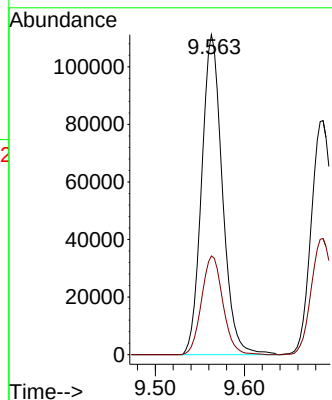
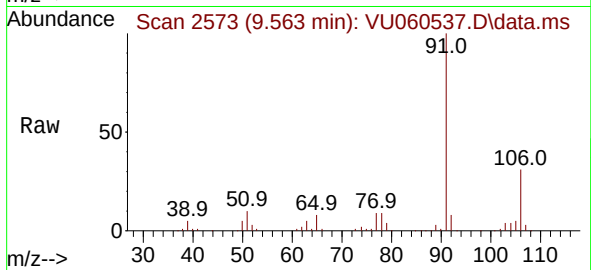




#52
Ethylbenzene
Concen: 5.067 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

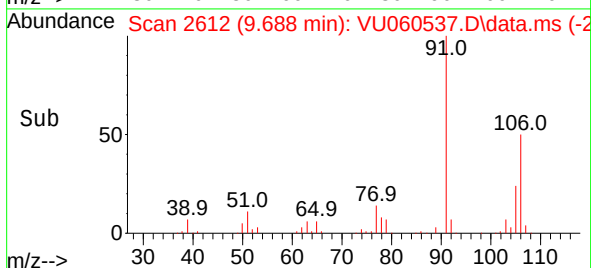
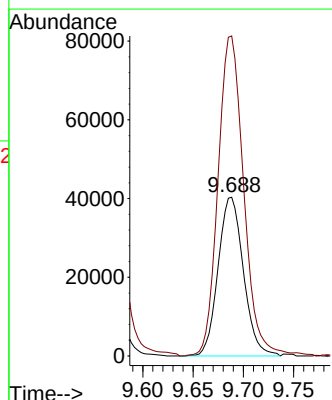
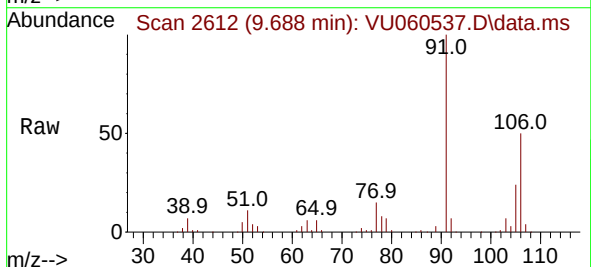
Instrument :
MSVOA_U
ClientSampleId :

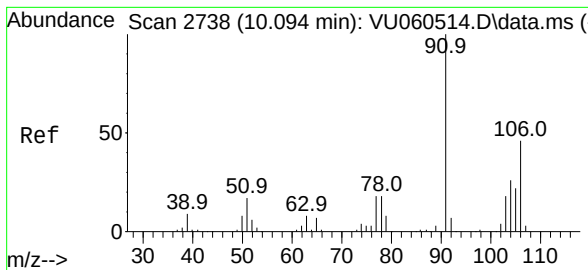
Tgt Ion: 91 Resp: 179775
Ion Ratio Lower Upper
91 100
106 30.9 21.9 40.7



#53
m,p-Xylene
Concen: 5.362 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

Tgt Ion:106 Resp: 70716
Ion Ratio Lower Upper
106 100
91 201.6 141.5 262.9

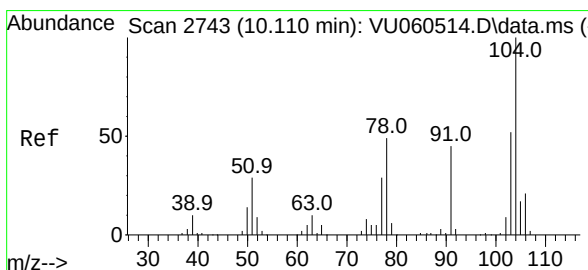
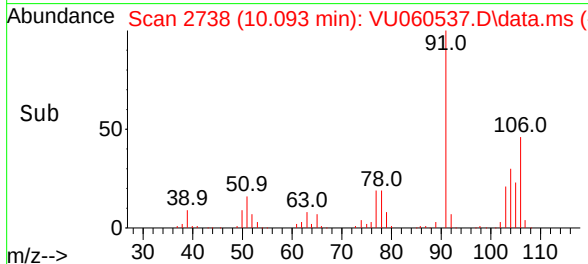
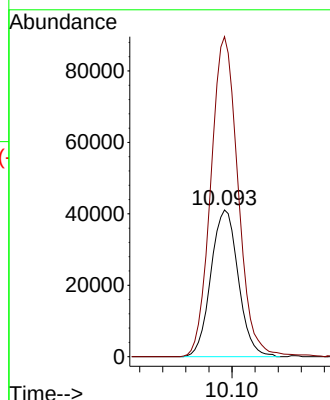
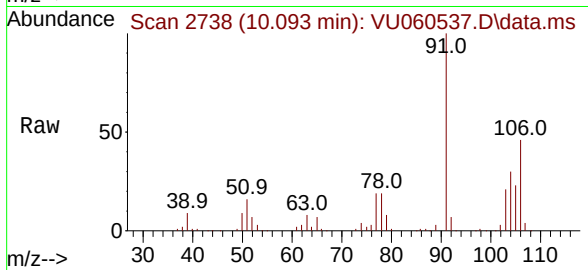




#54
o-Xylene
Concen: 5.008 ug/L
RT: 10.093 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

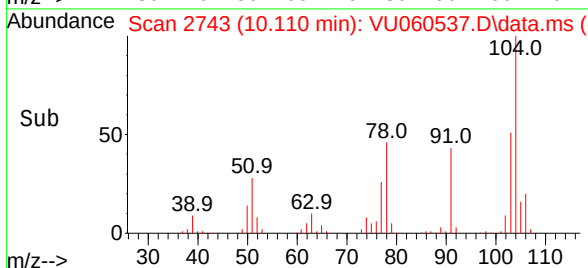
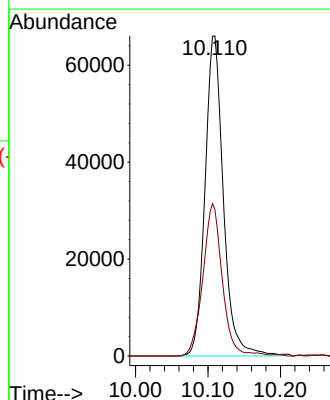
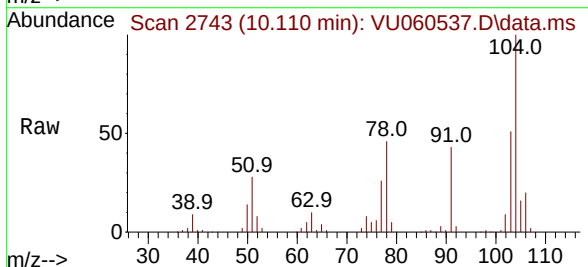
Instrument :
MSVOA_U
ClientSampleId :

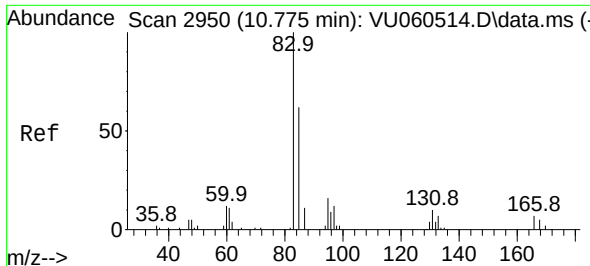
Tgt Ion:106 Resp: 67623
Ion Ratio Lower Upper
106 100
91 218.1 151.1 280.7



#55
Styrene
Concen: 5.248 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU060537.D
Acq: 24 Aug 2024 02:25

Tgt Ion:104 Resp: 116112
Ion Ratio Lower Upper
104 100
78 45.8 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.135 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

ClientSampleId :

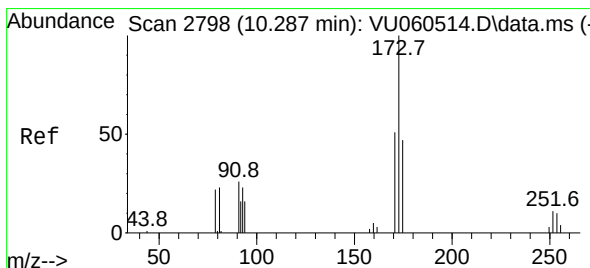
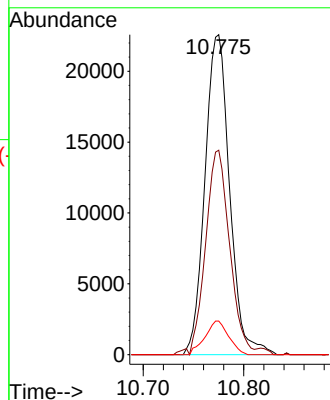
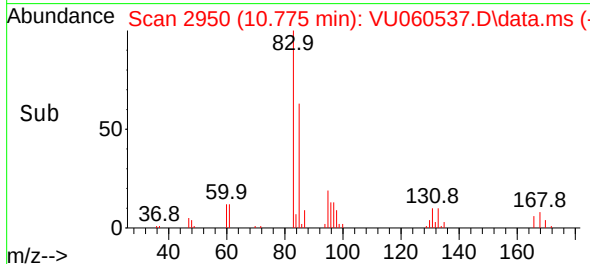
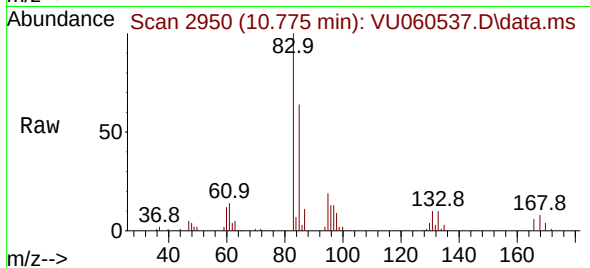
Tgt Ion: 83 Resp: 38550

Ion Ratio Lower Upper

83 100

85 63.9 43.3 80.5

131 10.5 8.9 13.3



#59

Bromoform

Concen: 4.480 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

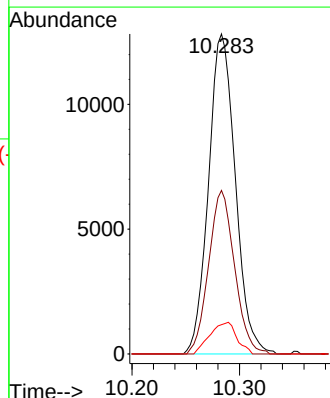
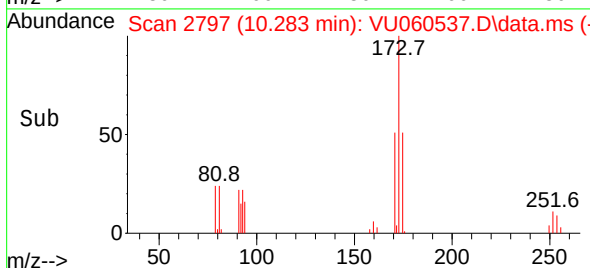
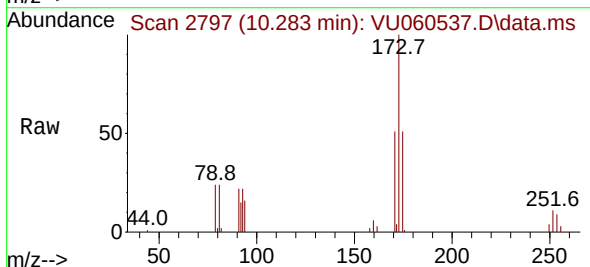
Tgt Ion:173 Resp: 22182

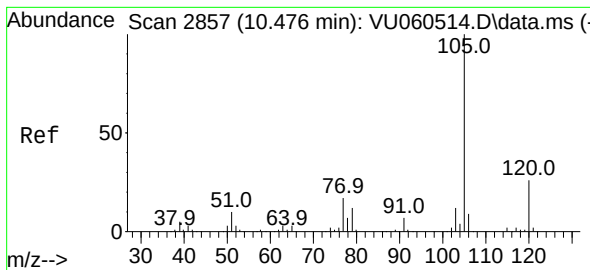
Ion Ratio Lower Upper

173 100

175 49.4 39.8 59.8

254 9.9 8.2 12.2





#60

Isopropylbenzene

Concen: 4.506 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU060537.D

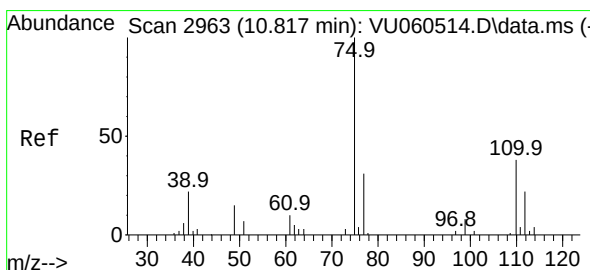
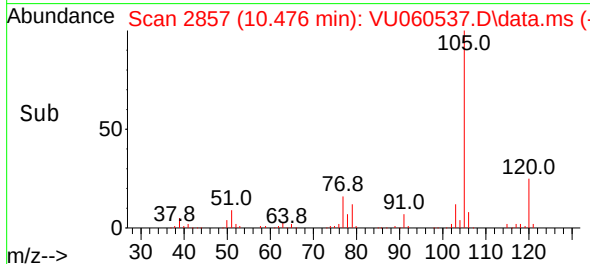
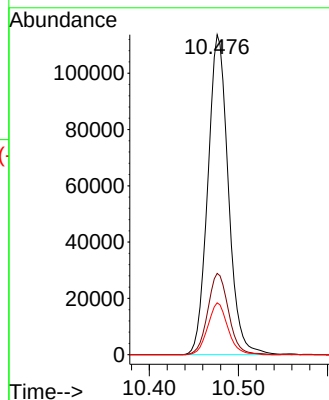
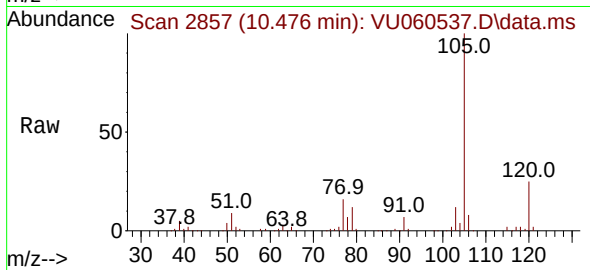
Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	181381
Ion	Ratio	Lower	Upper
105	100		
120	25.8	21.0	31.4
77	15.9	13.0	19.4



#61

1,2,3-Trichloropropane

Concen: 4.608 ug/L

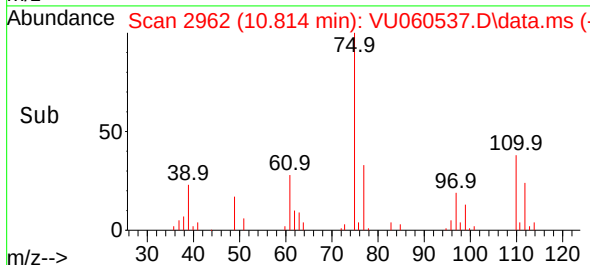
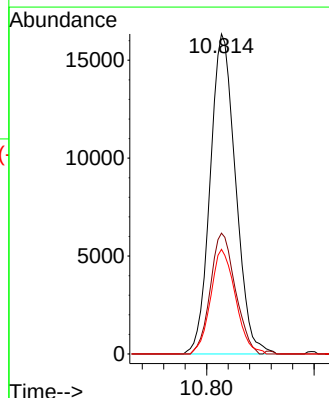
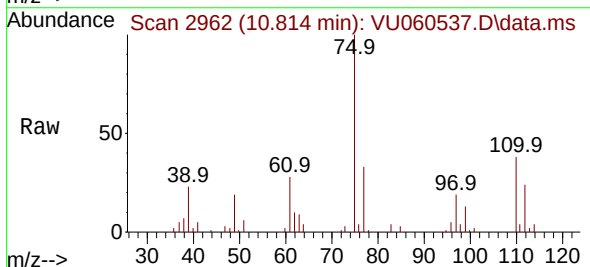
RT: 10.814 min Scan# 2962

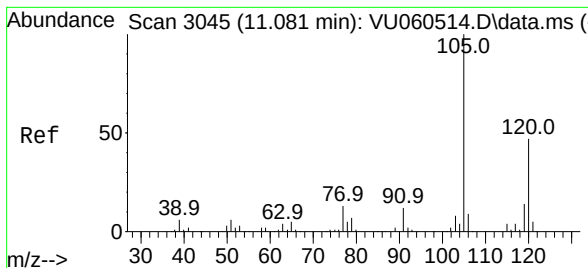
Delta R.T. -0.003 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Tgt Ion:	75	Resp:	26779
Ion	Ratio	Lower	Upper
75	100		
110	37.1	30.2	45.4
77	32.0	25.4	38.2





#62

1,3,5-Trimethylbenzene

Concen: 5.325 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

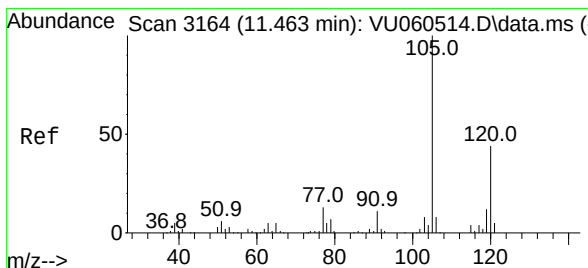
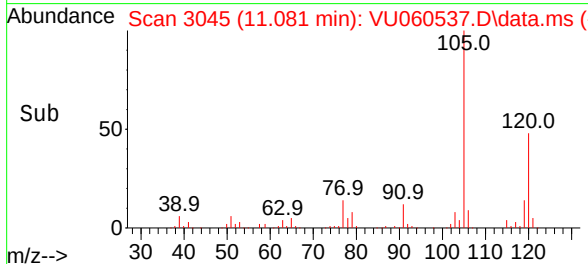
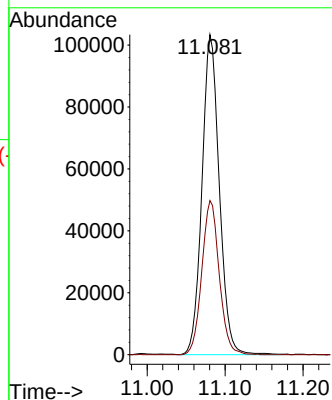
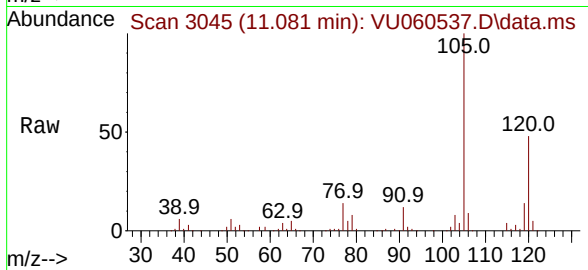
ClientSampleId :

Tgt Ion:105 Resp: 159743

Ion Ratio Lower Upper

105 100

120 48.3 37.4 56.0



#63

1,2,4-Trimethylbenzene

Concen: 6.373 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU060537.D

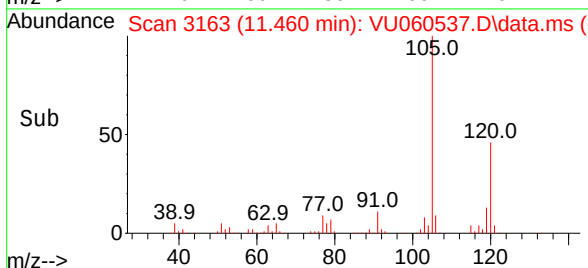
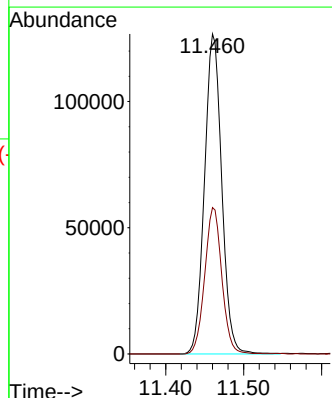
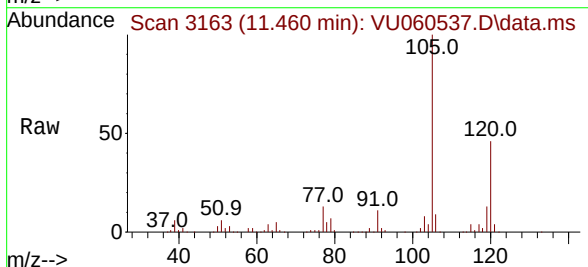
Acq: 24 Aug 2024 02:25

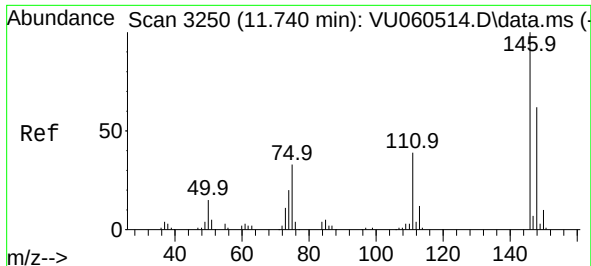
Tgt Ion:105 Resp: 195051

Ion Ratio Lower Upper

105 100

120 45.4 35.7 53.5





#64

1,3-Dichlorobenzene

Concen: 5.635 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

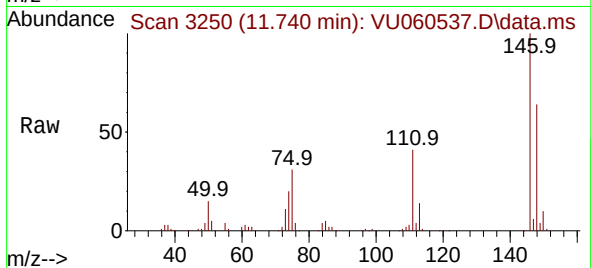
Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

ClientSampleId :



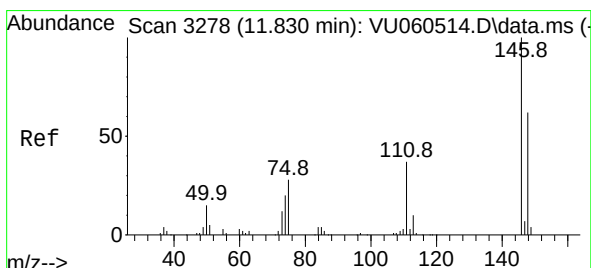
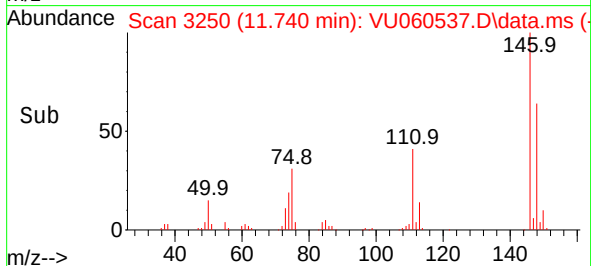
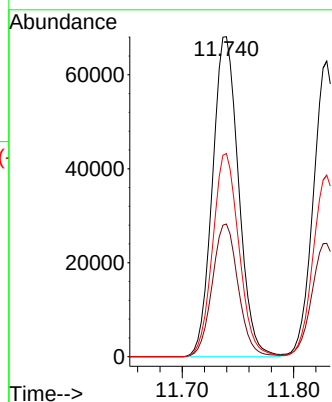
Tgt Ion:146 Resp: 111014

Ion Ratio Lower Upper

146 100

111 41.4 27.9 51.9

148 63.5 43.5 80.7



#65

1,4-Dichlorobenzene

Concen: 5.142 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

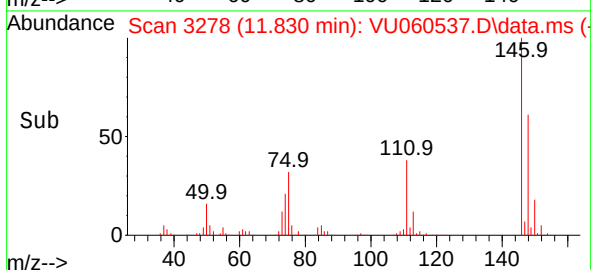
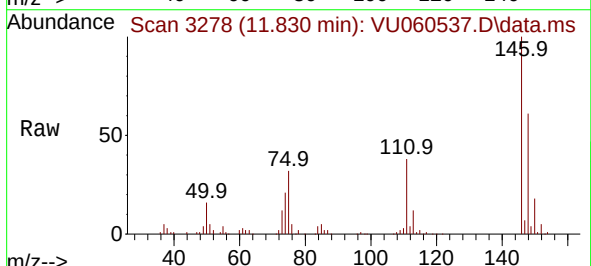
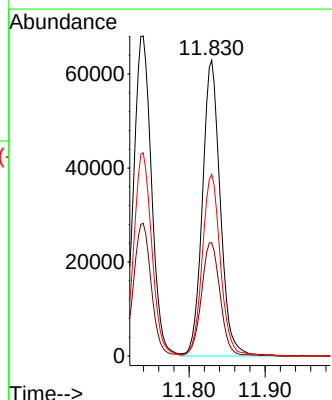
Tgt Ion:146 Resp: 102784

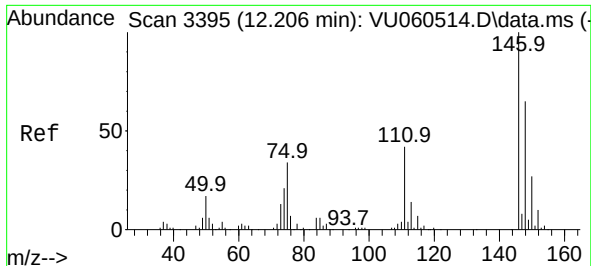
Ion Ratio Lower Upper

146 100

111 38.3 27.2 50.4

148 61.4 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 4.499 ug/L

RT: 12.203 min Scan# 3395

Delta R.T. -0.003 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

ClientSampleId :

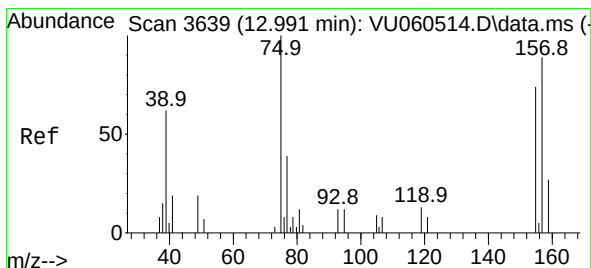
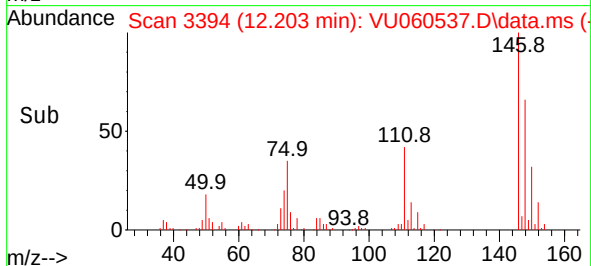
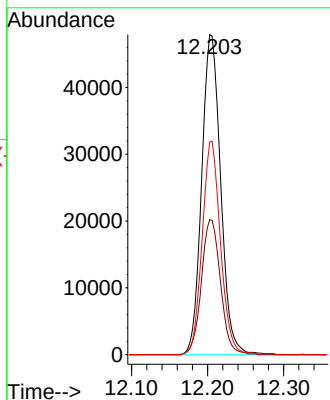
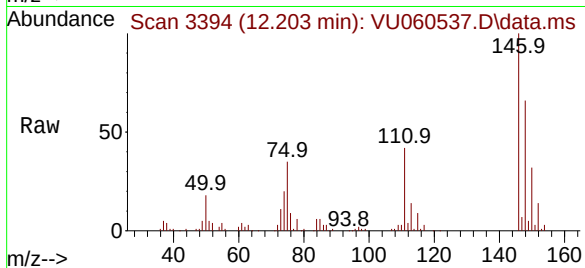
Tgt Ion:146 Resp: 83146

Ion Ratio Lower Upper

146 100

111 42.2 34.6 52.0

148 66.4 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.368 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

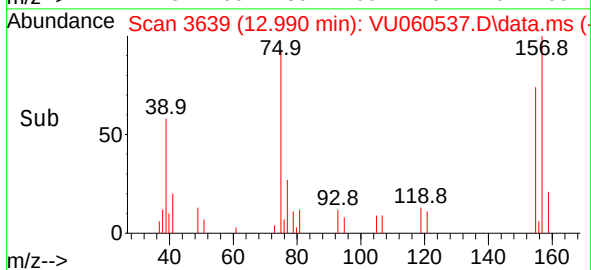
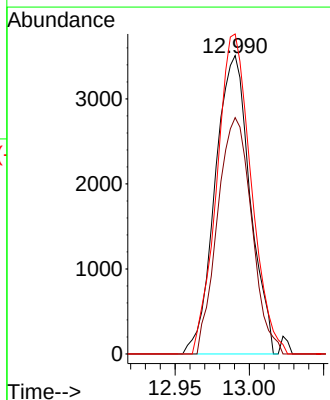
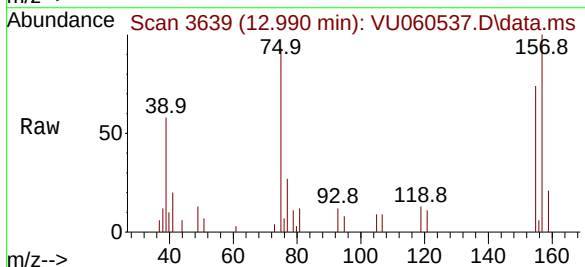
Tgt Ion: 75 Resp: 5730

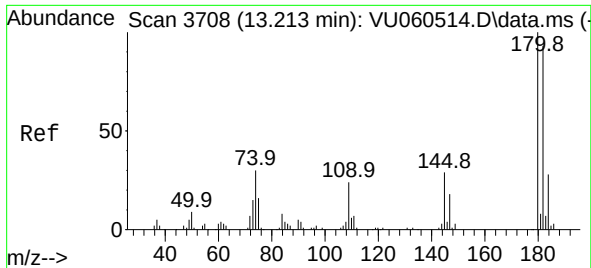
Ion Ratio Lower Upper

75 100

155 79.2 62.7 94.1

157 107.2 70.4 105.6#





#69

1,3,5-Trichlorobenzene

Concen: 4.146 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

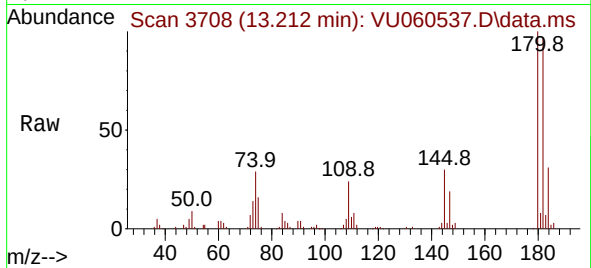
Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 62984

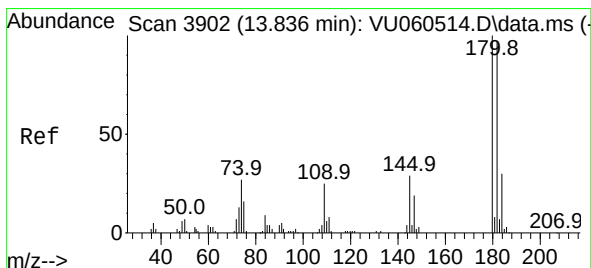
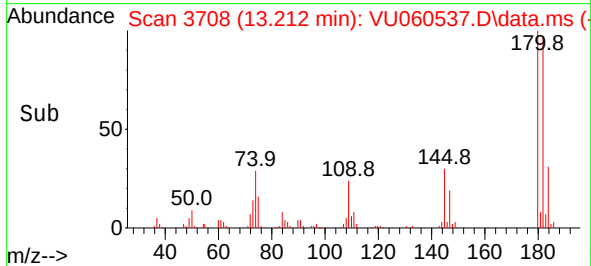
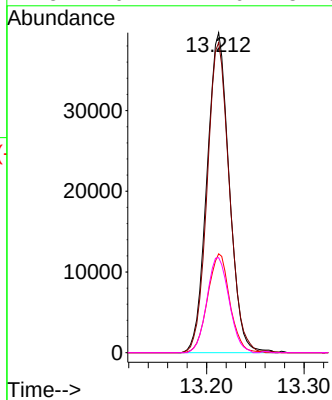
Ion Ratio Lower Upper

180 100

182 96.6 77.6 116.4

184 30.8 24.9 37.3

145 29.7 22.6 34.0



#70

1,2,4-trichlorobenzene

Concen: 4.019 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

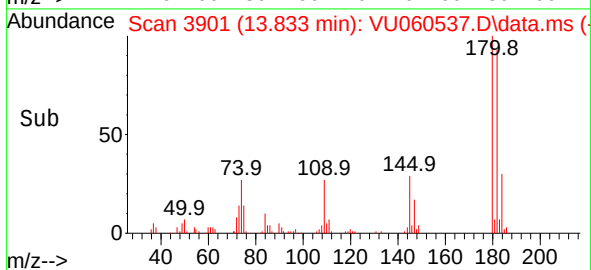
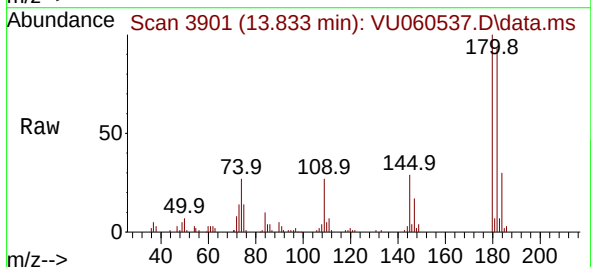
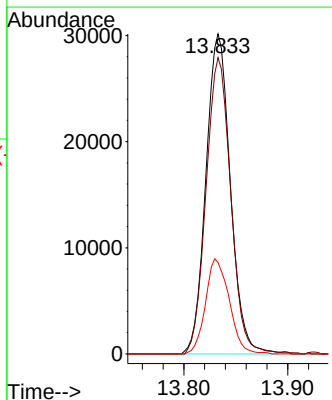
Tgt Ion:180 Resp: 49253

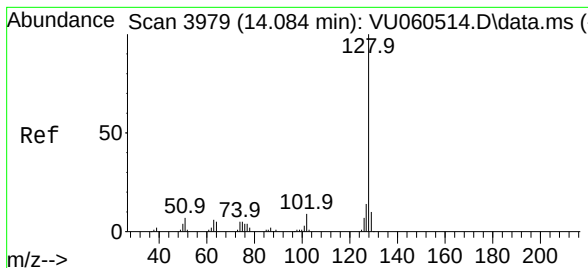
Ion Ratio Lower Upper

180 100

182 93.5 77.3 115.9

145 28.9 23.9 35.9





#71

Naphthalene

Concen: 4.204 ug/L

RT: 14.080 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU060537.D

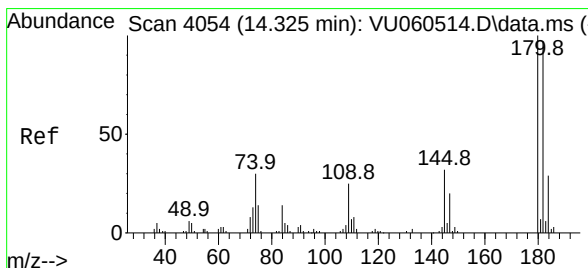
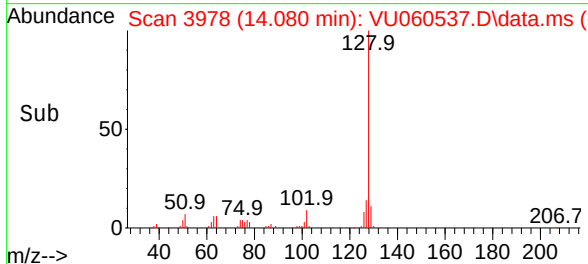
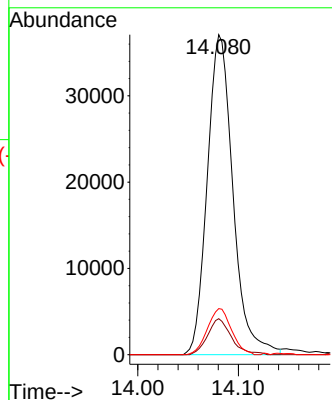
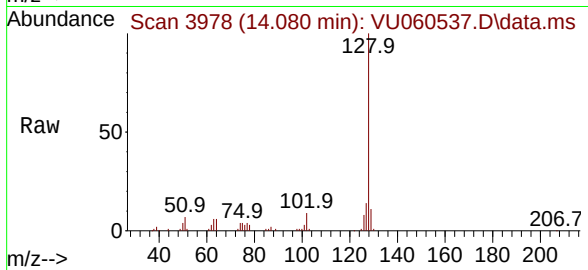
Acq: 24 Aug 2024 02:25

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp: 65816
Ion Ratio	Lower Upper
128	100
129	10.3 8.5 12.7
127	13.5 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.289 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU060537.D

Acq: 24 Aug 2024 02:25

Tgt Ion:180	Resp: 43989
Ion Ratio	Lower Upper
180	100
182	96.7 76.0 114.0
145	30.1 24.3 36.5

