

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056800.D
 Acq On : 12 Dec 2023 20:57
 Operator : MD/SY
 Sample : 05683-04MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 13 00:37:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 00:30:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	252961	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	246275	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	128556	5.000	ug/L	# 0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.595	65	87623	4.041	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.800%
7) Chloroethane-d5	1.907	69	73525	4.531	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.600%
11) 1,1-Dichloroethene-d2	2.563	65	39588	4.267	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.400%
20) 2-Butanone-d5	4.615	46	223560	52.208	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.420%
24) Chloroform-d	5.055	84	221129	5.386	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.800%
26) 1,2-Dichloroethane-d4	5.695	65	95795	4.930	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	5.721	84	373240	4.886	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
36) 1,2-Dichloropropane-d6	6.682	67	116932	4.891	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.891	98	333127	4.879	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
43) trans-1,3-Dichloroprop...	8.174	79	47043	5.074	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.400%
46) 2-Hexanone-d5	8.627	63	195709	55.964	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.920%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	90941	5.257	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	117935	4.667	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.383	85	122347	4.616	ug/L	99
3) Chloromethane	1.518	50	125604	4.819	ug/L	99
5) Vinyl chloride	1.602	62	127701	4.934	ug/L	99
6) Bromomethane	1.853	94	65080	4.265	ug/L	97
8) Chloroethane	1.930	64	77487	5.111	ug/L	97
9) Trichlorofluoromethane	2.136	101	178320	4.889	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	108096	4.832	ug/L	97
12) 1,1-Dichloroethene	2.576	96	101215	4.928	ug/L	90
13) Acetone	2.624	43	120034	45.998	ug/L	99
14) Carbon disulfide	2.788	76	338715	4.754	ug/L	99
15) Methyl Acetate	2.946	43	33619	4.733	ug/L	97
16) Methylene chloride	3.042	84	106962	4.780	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	236326	5.190	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	105397	5.062	ug/L	95
19) 1,1-Dichloroethane	3.862	63	202830	5.064	ug/L	98
21) 2-Butanone	4.695	43	214452	48.731	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	123429	5.449	ug/L	96
23) Bromochloromethane	4.968	128	48295	5.092	ug/L	96
25) Chloroform	5.078	83	780891	18.611	ug/L	100

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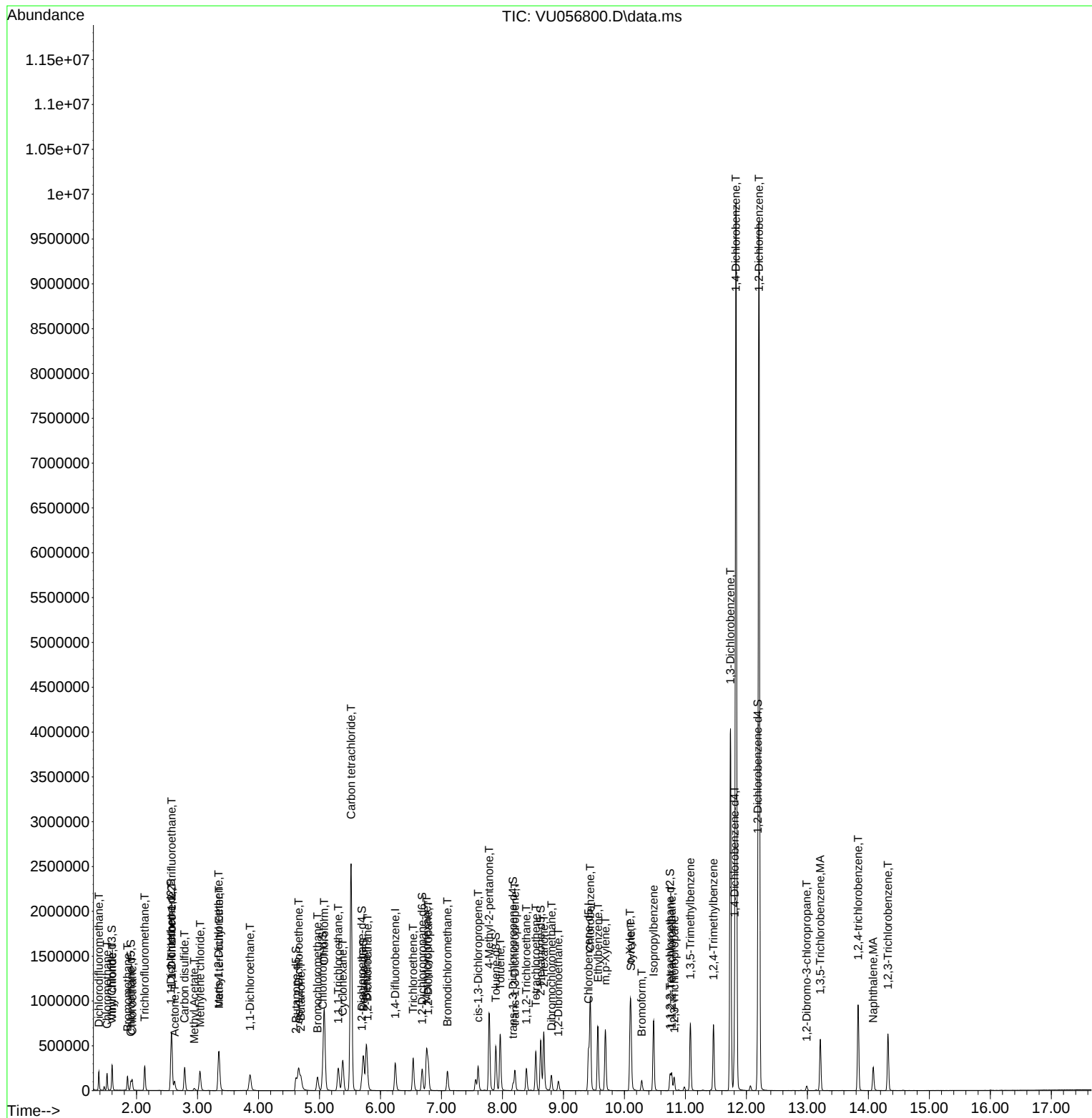
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	125151	5.043	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	184975	5.196	ug/L	99
30) Cyclohexane	5.383	56	170077	5.090	ug/L	98
31) Carbon tetrachloride	5.518	117	1774825	57.361	ug/L	100
33) Benzene	5.769	78	446926	5.164	ug/L	100
34) Trichloroethene	6.537	95	128275	5.403	ug/L	96
35) Methylcyclohexane	6.759	83	174391	4.977	ug/L	99
37) 1,2-Dichloropropane	6.782	63	115076	5.198	ug/L	100
38) Bromodichloromethane	7.097	83	144631	5.122	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	166478	5.159	ug/L	96
40) 4-Methyl-2-pentanone	7.782	43	548398	52.163	ug/L	98
42) Toluene	7.965	91	473740	5.290	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	133945	5.065	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	76780	5.130	ug/L	97
47) Tetrachloroethene	8.547	164	92492	5.567	ug/L	98
48) 2-Hexanone	8.679	43	401881	53.672	ug/L	98
49) Dibromochloromethane	8.804	129	87758	5.101	ug/L	96
50) 1,2-Dibromoethane	8.917	107	72708	5.234	ug/L #	94
51) Chlorobenzene	9.441	112	551685	9.665	ug/L	99
52) Ethylbenzene	9.566	91	518911	5.253	ug/L	99
53) m,p-Xylene	9.688	106	195547	5.313	ug/L	97
54) o-Xylene	10.093	106	183031	5.220	ug/L	100
55) Styrene	10.110	104	315548	5.480	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	95513	5.282	ug/L	99
59) Bromoform	10.283	173	50472	4.808	ug/L	100
60) Isopropylbenzene	10.479	105	507097	4.993	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	65368	4.736	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	417519	5.030	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	407242	4.939	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	1599306	33.286	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	3811625	80.567	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	3740016	85.448	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	14216	5.158	ug/L	91
69) 1,3,5-Trichlorobenzene	13.212	180	169724	4.675	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	277761	9.662	ug/L	98
71) Naphthalene	14.080	128	212928	5.061	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	182032	7.458	ug/L	98

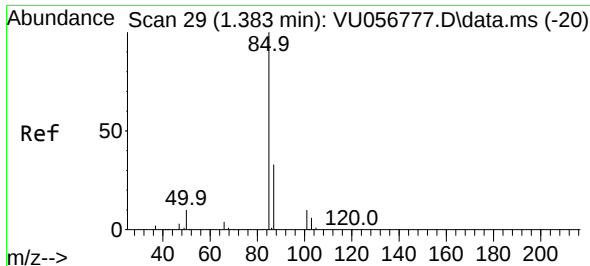
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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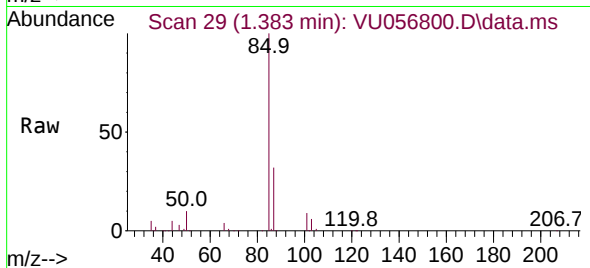
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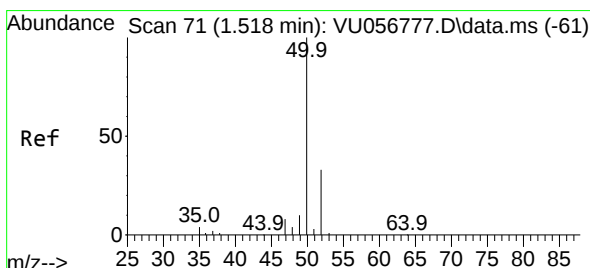
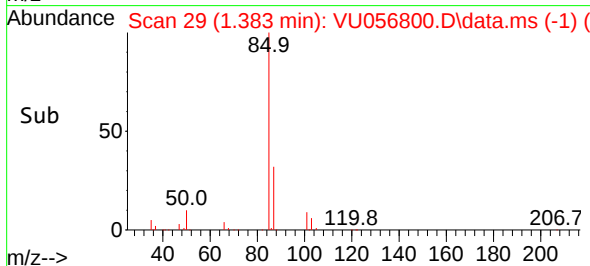
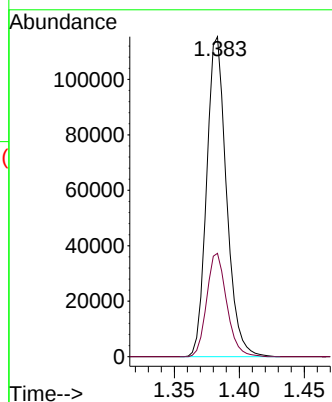


#2
 Dichlorodifluoromethane
 Concen: 4.616 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056800.D
 Acq: 12 Dec 2023 20:57

Instrument :
 MSVOA_U
 ClientSampleId :

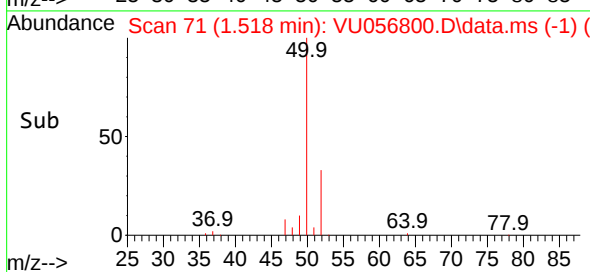
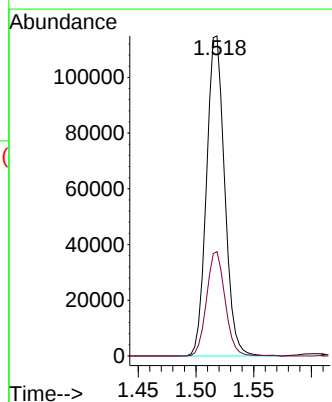
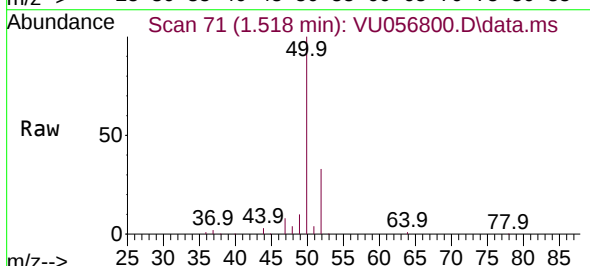


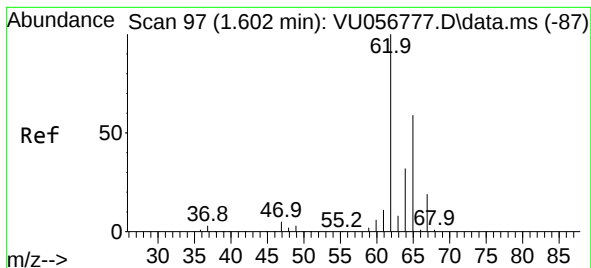
Tgt Ion: 85 Resp: 122347
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.8 40.2



#3
 Chloromethane
 Concen: 4.819 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU056800.D
 Acq: 12 Dec 2023 20:57

Tgt Ion: 50 Resp: 125604
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.5 41.7





#5

Vinyl chloride

Concen: 4.934 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

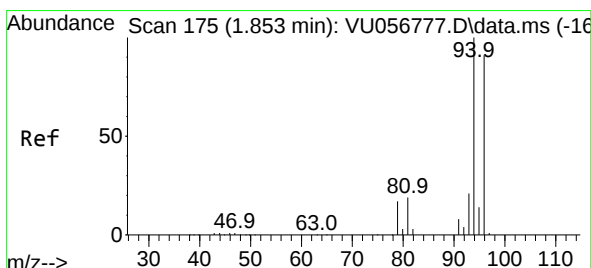
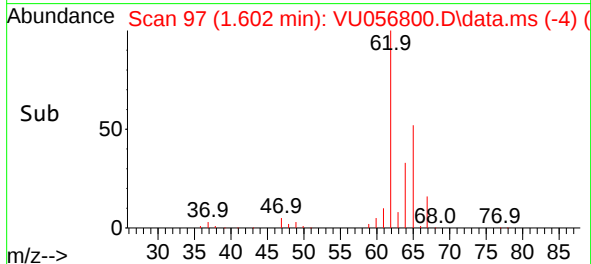
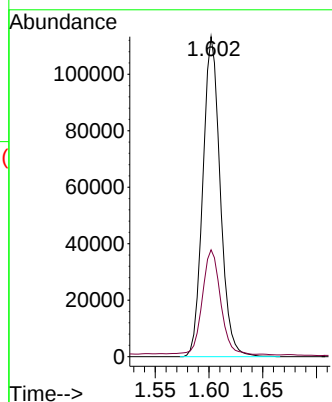
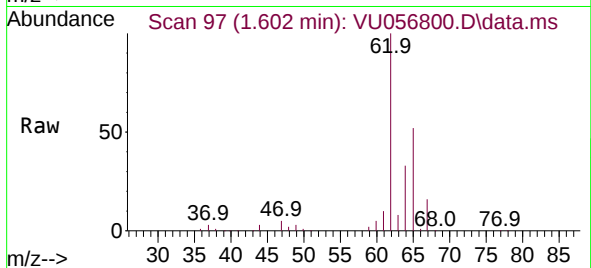
ClientSampleId :

Tgt Ion: 62 Resp: 127701

Ion Ratio Lower Upper

62 100

64 33.4 22.8 42.4



#6

Bromomethane

Concen: 4.265 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU056800.D

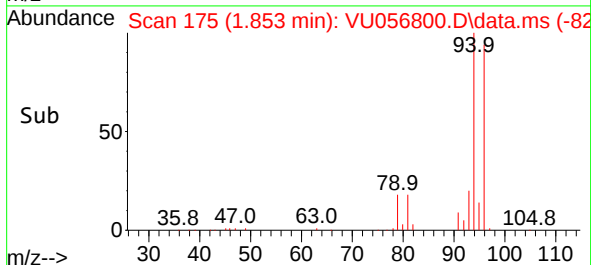
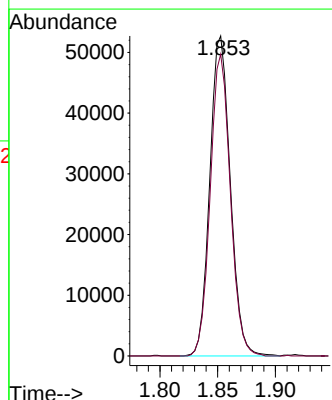
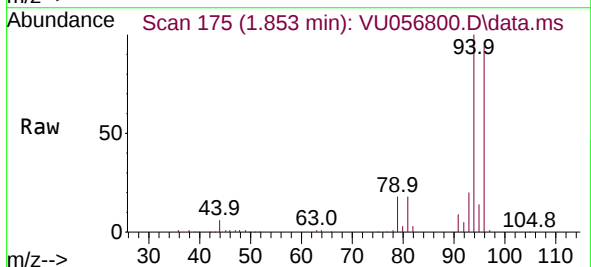
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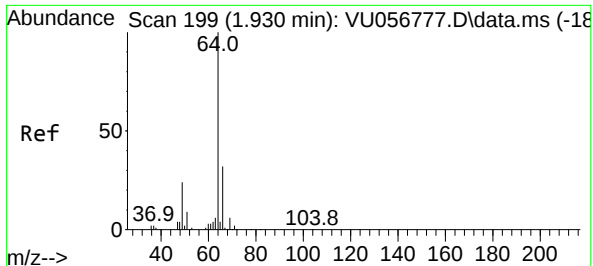
Tgt Ion: 94 Resp: 65080

Ion Ratio Lower Upper

94 100

96 94.3 67.8 125.8

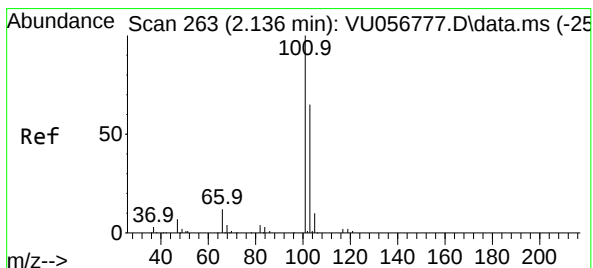
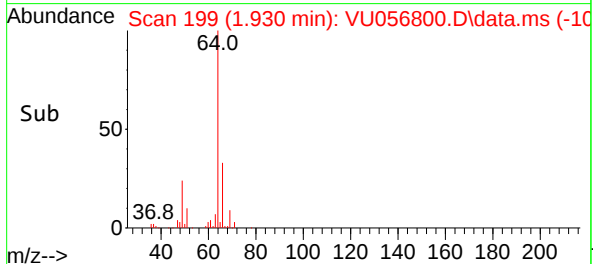
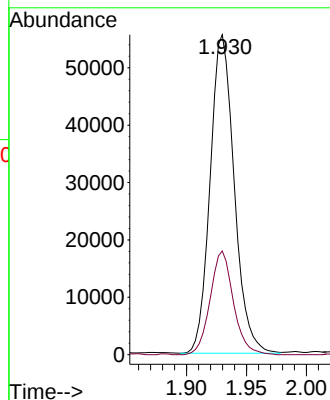
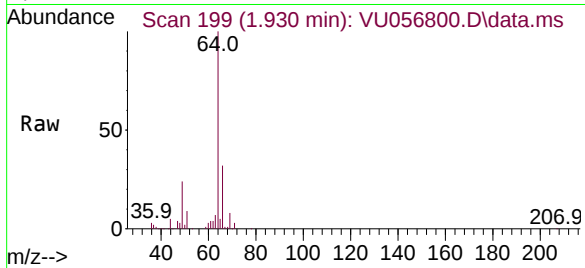




#8
Chloroethane
Concen: 5.111 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

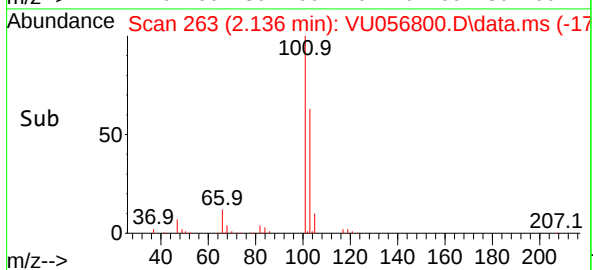
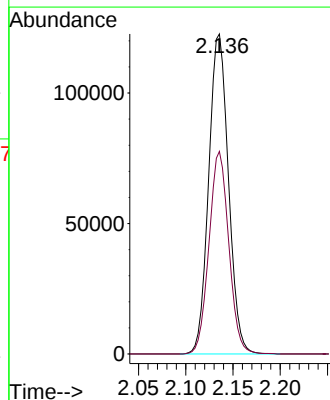
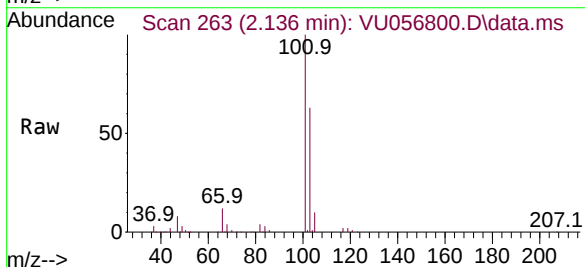
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MSVOA_U
ClientSampleId :

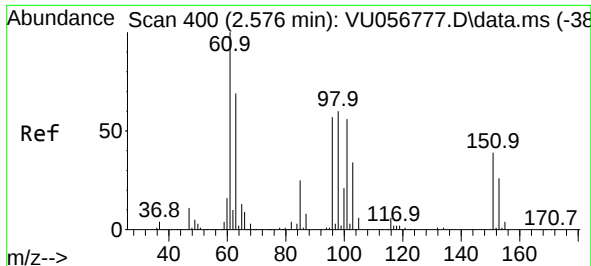
Tgt Ion: 64 Resp: 77487
Ion Ratio Lower Upper
64 100
66 32.4 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.889 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

Tgt Ion: 101 Resp: 178320
Ion Ratio Lower Upper
101 100
103 63.3 51.4 77.2

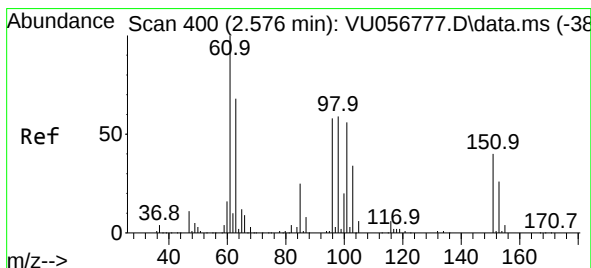
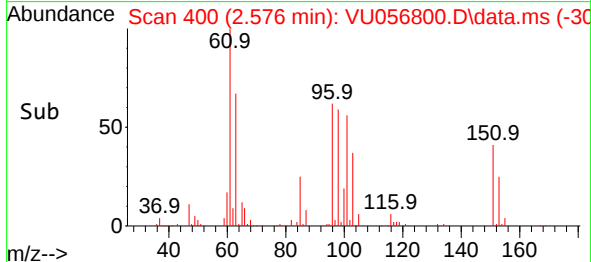
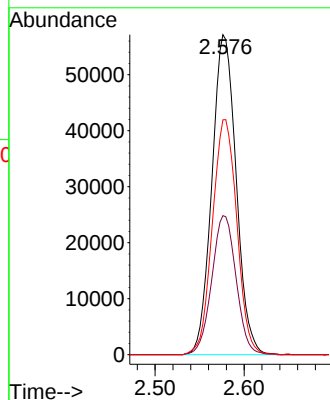
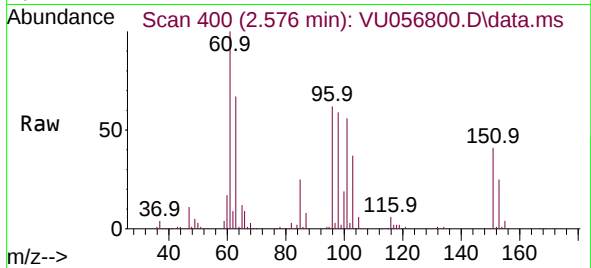




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.832 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056800.D
 Acq: 12 Dec 2023 20:57

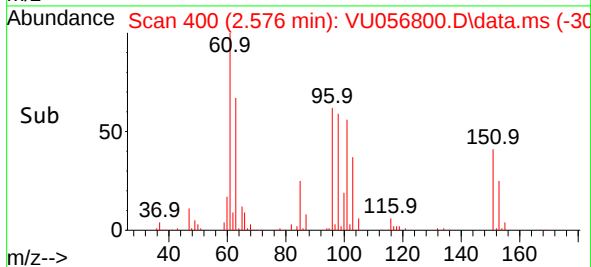
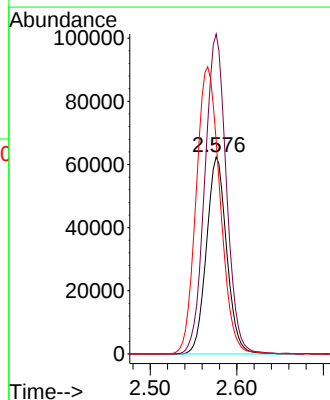
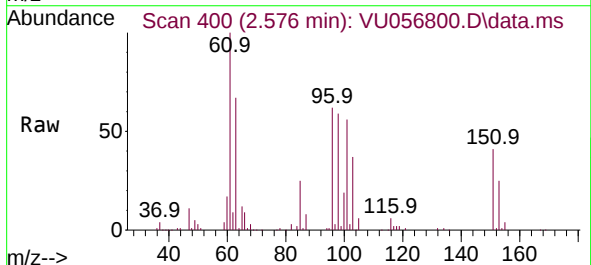
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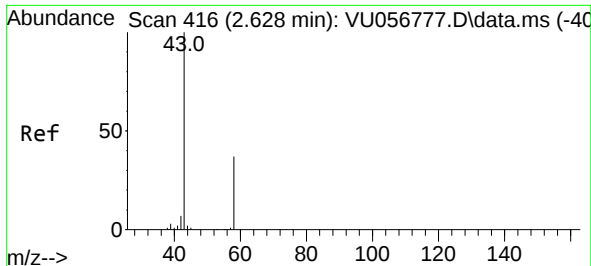
Tgt Ion:101 Resp: 108096
 Ion Ratio Lower Upper
 101 100
 85 43.6 35.2 52.8
 151 74.0 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 4.928 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056800.D
 Acq: 12 Dec 2023 20:57

Tgt Ion: 96 Resp: 101215
 Ion Ratio Lower Upper
 96 100
 61 162.4 119.0 221.0
 63 108.1 88.7 164.7





#13

Acetone

Concen: 45.998 ug/L

RT: 2.624 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

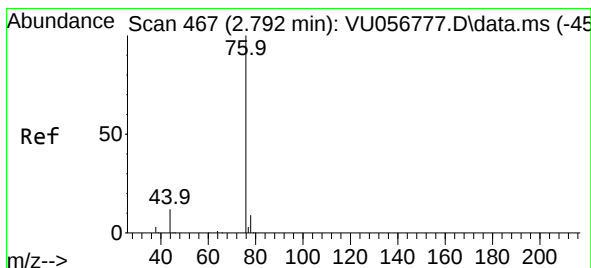
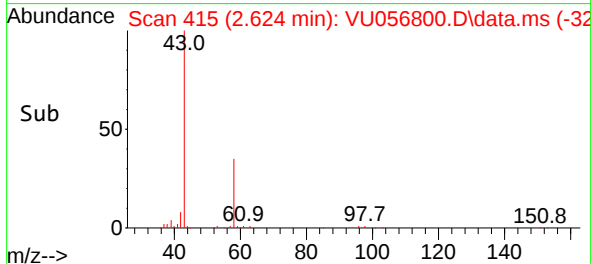
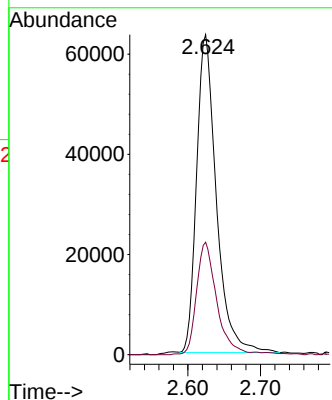
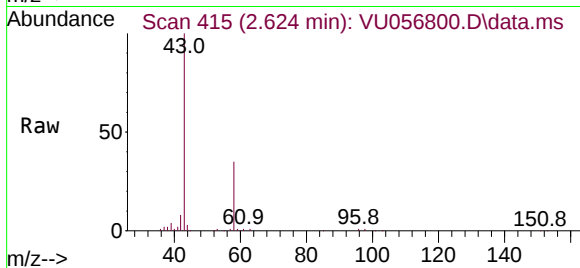
ClientSampleId :

Tgt Ion: 43 Resp: 120034

Ion Ratio Lower Upper

43 100

58 35.8 0.0 72.6



#14

Carbon disulfide

Concen: 4.754 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU056800.D

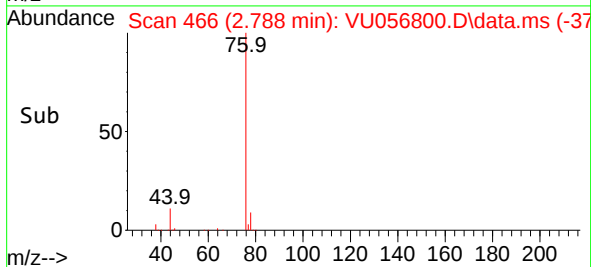
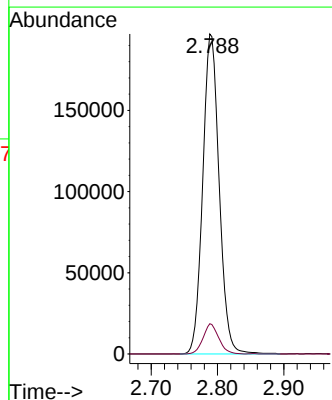
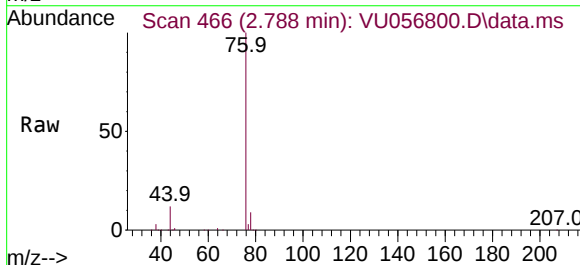
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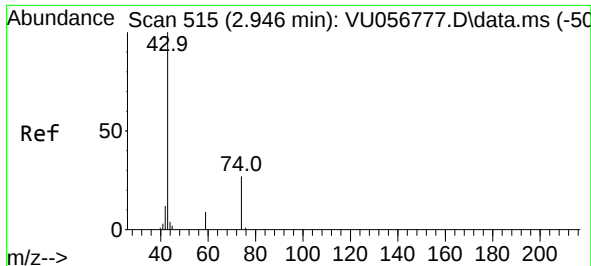
Tgt Ion: 76 Resp: 338715

Ion Ratio Lower Upper

76 100

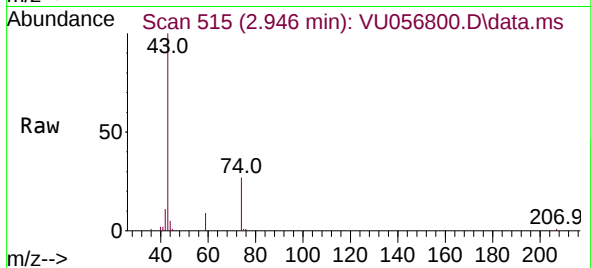
78 9.5 7.3 10.9



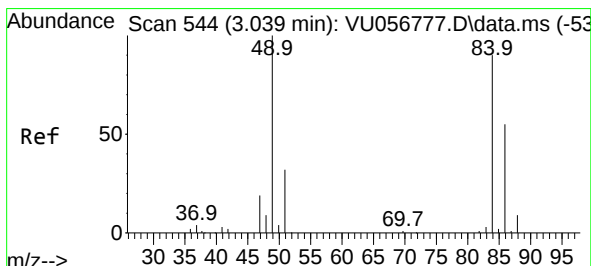
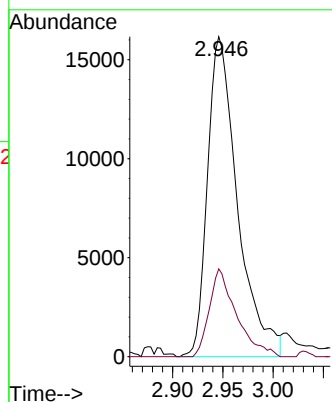
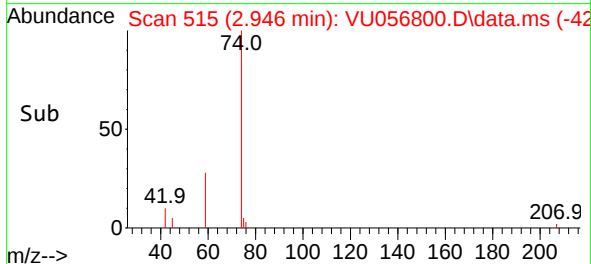


#15
Methyl Acetate
Concen: 4.733 ug/L
RT: 2.946 min Scan# 515
Delta R.T. -0.000 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

Instrument :
MSVOA_U
ClientSampleId :

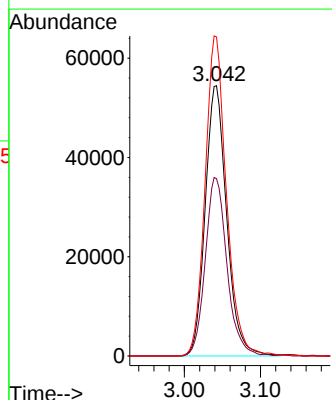
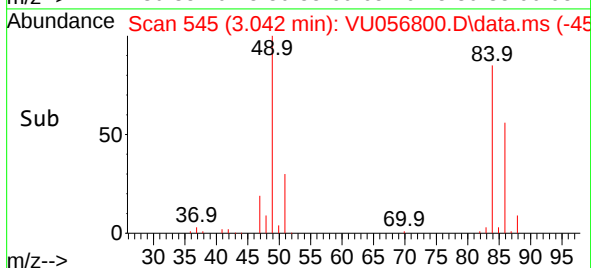
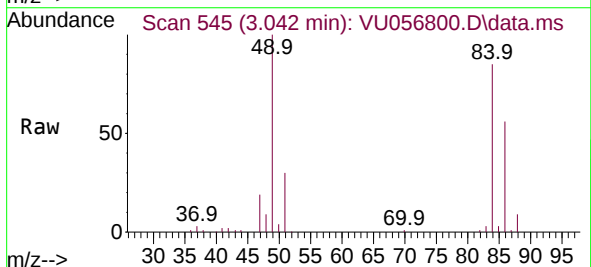


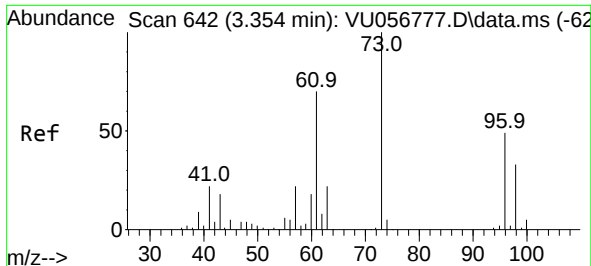
Tgt Ion: 43 Resp: 33619
Ion Ratio Lower Upper
43 100
74 24.7 21.0 31.6



#16
Methylene chloride
Concen: 4.780 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

Tgt Ion: 84 Resp: 106962
Ion Ratio Lower Upper
84 100
86 65.6 43.6 81.0
49 118.1 80.6 149.6





#17

Methyl tert-butyl Ether

Concen: 5.190 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

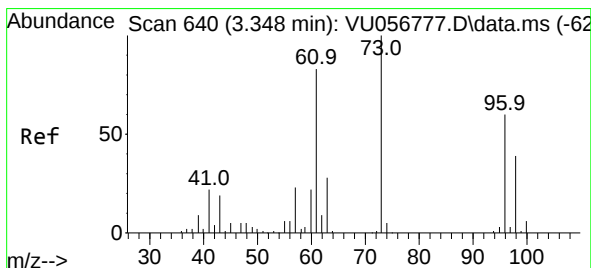
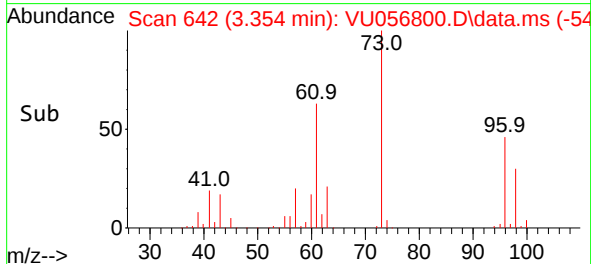
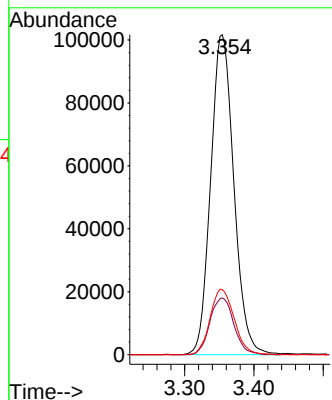
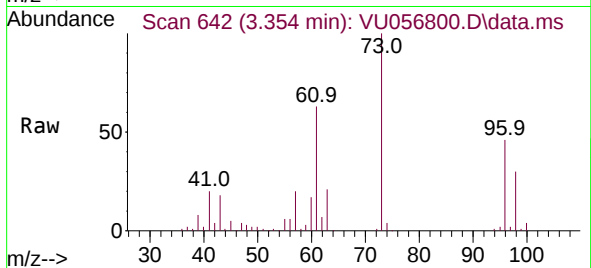
Tgt Ion: 73 Resp: 236326

Ion Ratio Lower Upper

73 100

43 18.3 14.4 21.6

57 21.3 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 5.062 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

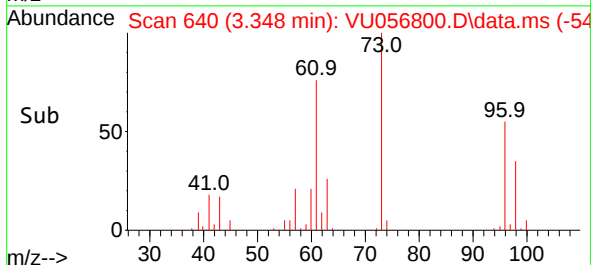
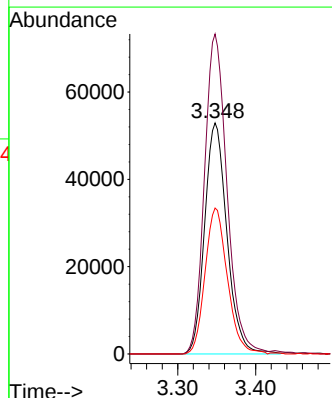
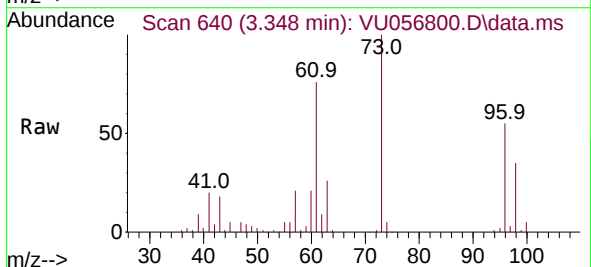
Tgt Ion: 96 Resp: 105397

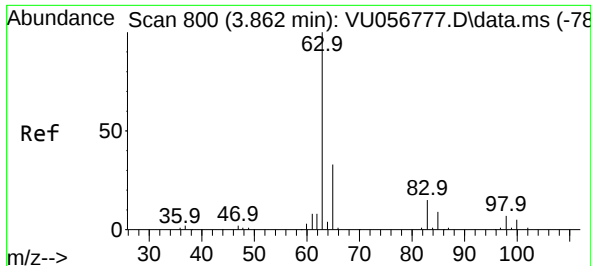
Ion Ratio Lower Upper

96 100

61 138.5 101.8 189.0

98 63.2 43.0 79.8





#19

1,1-Dichloroethane

Concen: 5.064 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

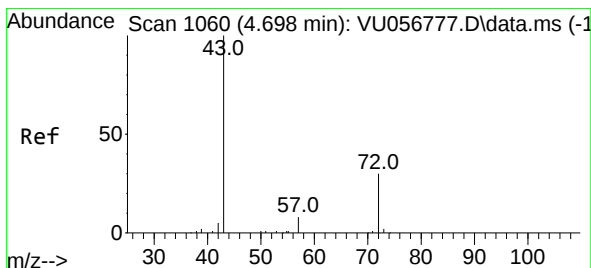
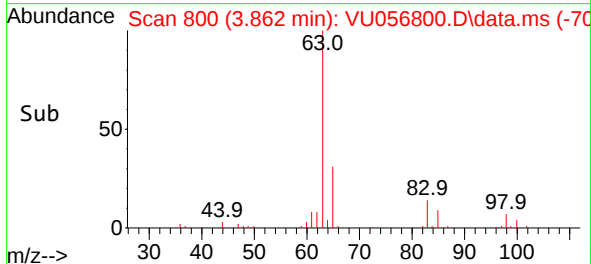
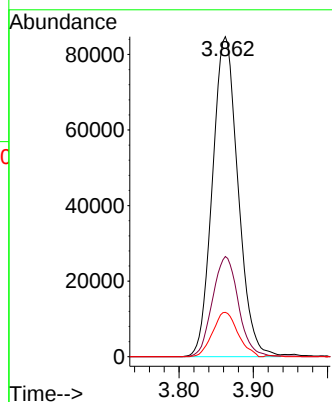
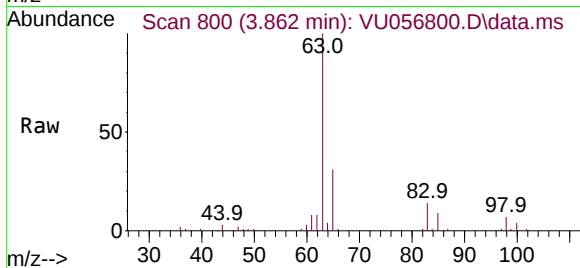
Tgt Ion: 63 Resp: 202830

Ion Ratio Lower Upper

63 100

65 31.3 22.9 42.5

83 13.8 10.1 18.9



#21

2-Butanone

Concen: 48.731 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. -0.003 min

Lab File: VU056800.D

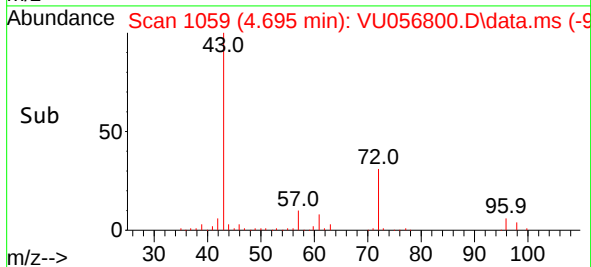
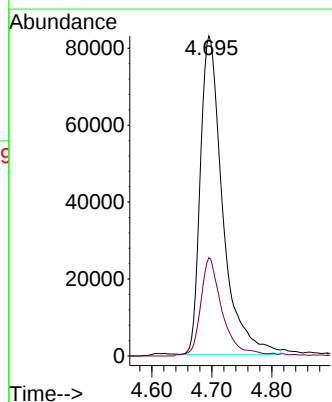
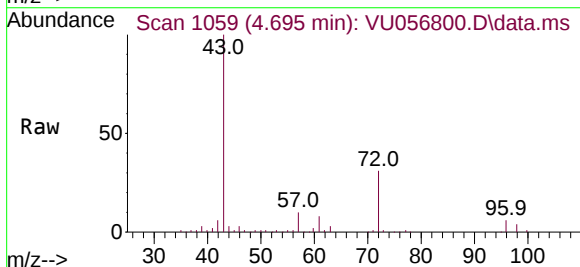
Acq: 12 Dec 2023 20:57

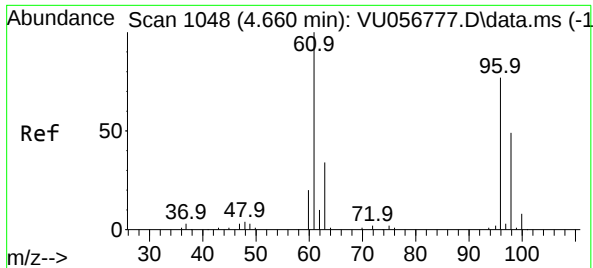
Tgt Ion: 43 Resp: 214452

Ion Ratio Lower Upper

43 100

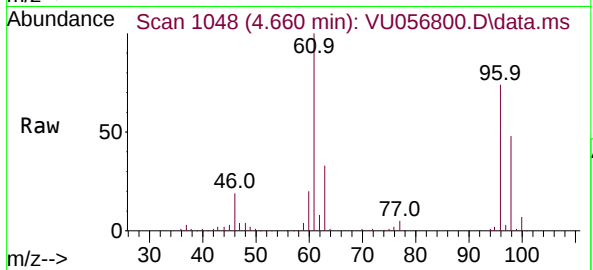
72 29.7 14.6 43.8





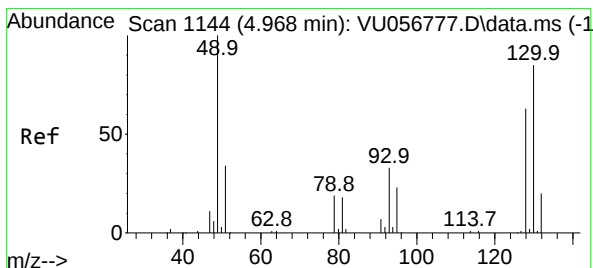
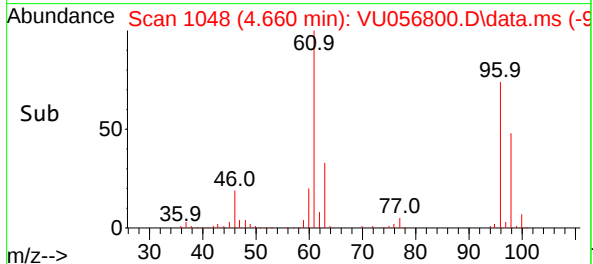
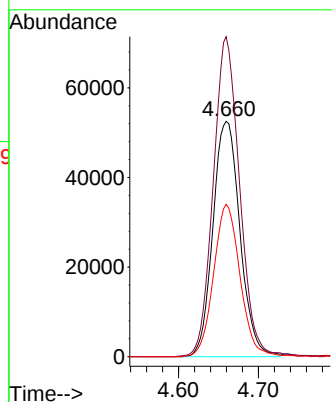
#22
 cis-1,2-Dichloroethene
 Concen: 5.449 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056800.D
 Acq: 12 Dec 2023 20:57

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 123429

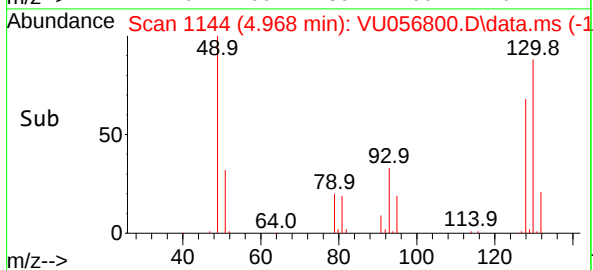
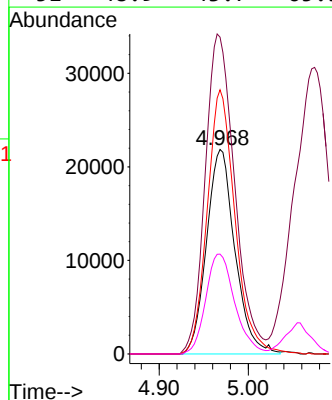
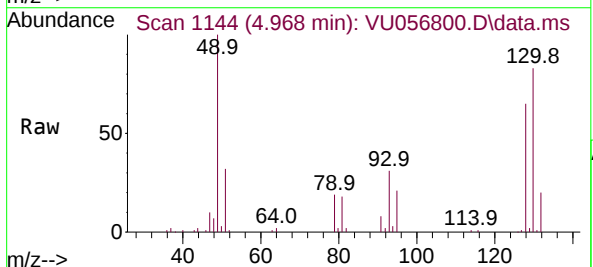
Ion	Ratio	Lower	Upper
96	100		
61	135.9	91.3	169.6
98	64.7	44.2	82.0

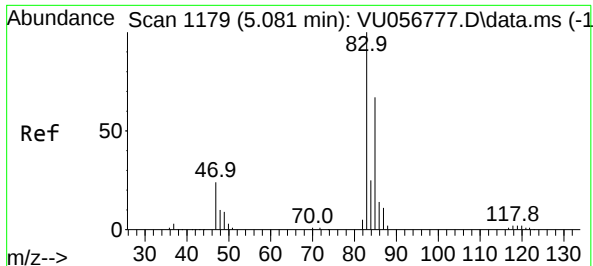


#23
 Bromochloromethane
 Concen: 5.092 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU056800.D
 Acq: 12 Dec 2023 20:57

Tgt Ion: 128 Resp: 48295

Ion	Ratio	Lower	Upper
128	100		
49	154.9	113.8	211.3
130	129.2	90.6	168.3
51	48.9	43.7	65.5





#25

Chloroform

Concen: 18.611 ug/L

RT: 5.078 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

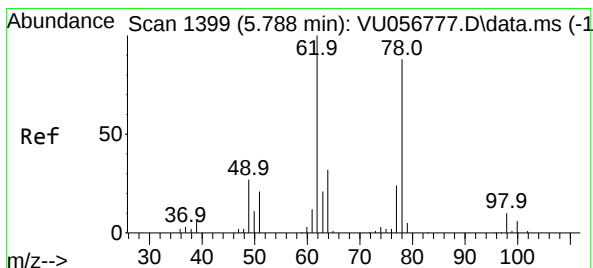
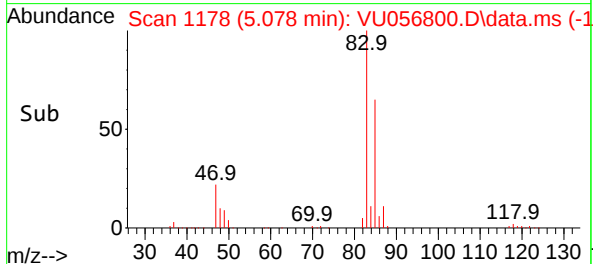
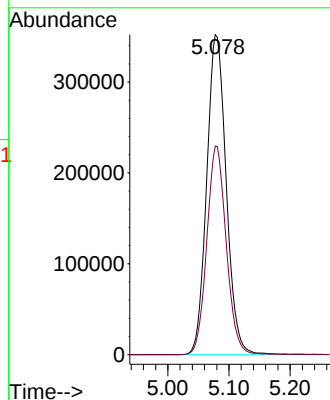
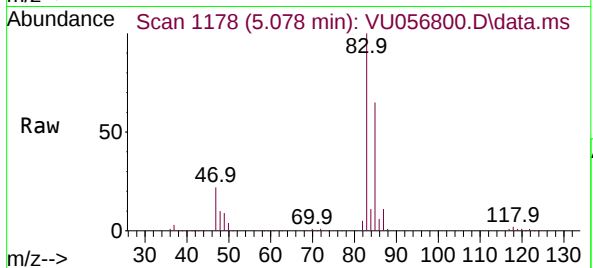
ClientSampleId :

Tgt Ion: 83 Resp: 780891

Ion Ratio Lower Upper

83 100

85 65.2 45.8 85.0



#27

1,2-Dichloroethane

Concen: 5.043 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056800.D

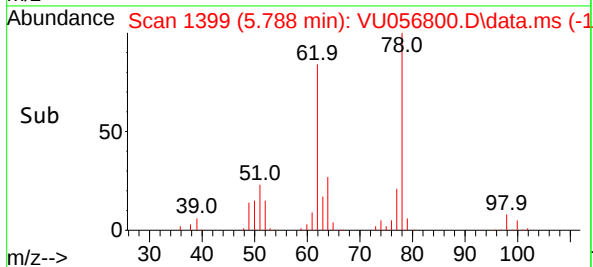
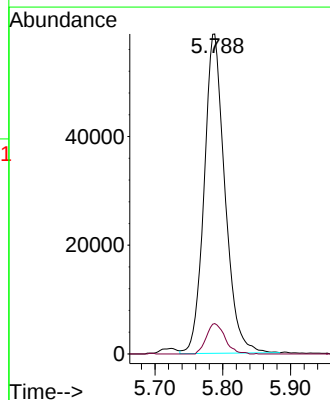
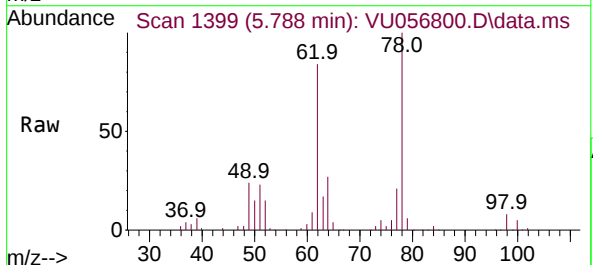
Acq: 12 Dec 2023 20:57

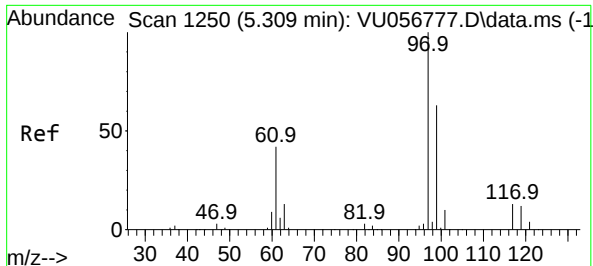
Tgt Ion: 62 Resp: 125151

Ion Ratio Lower Upper

62 100

98 9.5 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.196 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

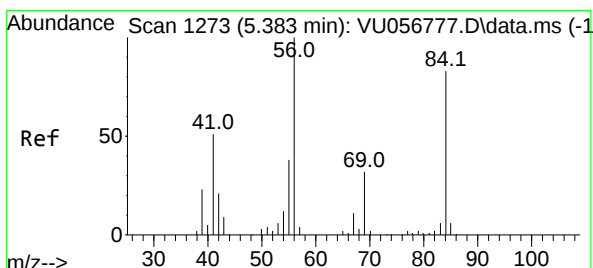
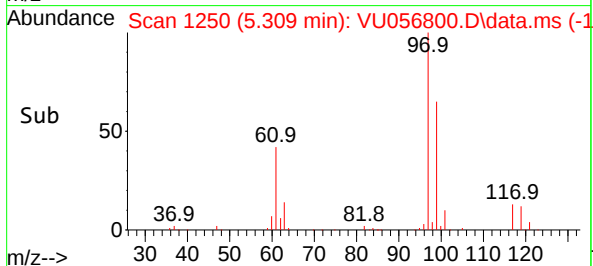
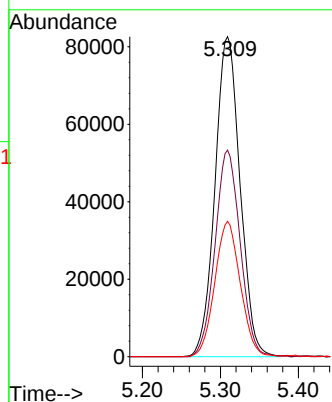
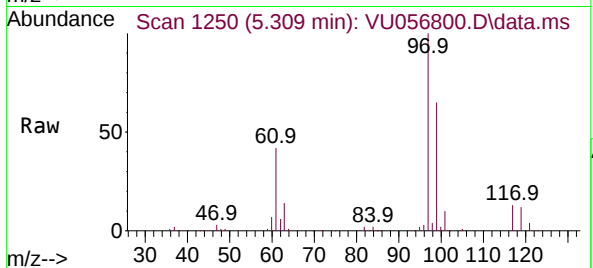
Tgt Ion: 97 Resp: 184975

Ion Ratio Lower Upper

97 100

99 64.7 52.5 78.7

61 43.0 34.2 51.2



#30

Cyclohexane

Concen: 5.090 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

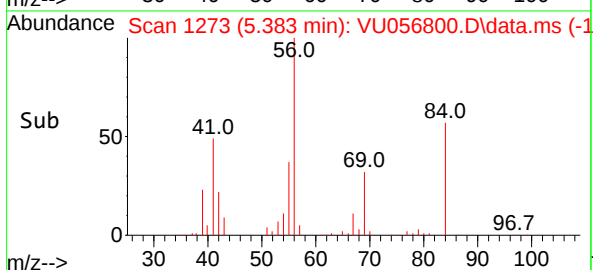
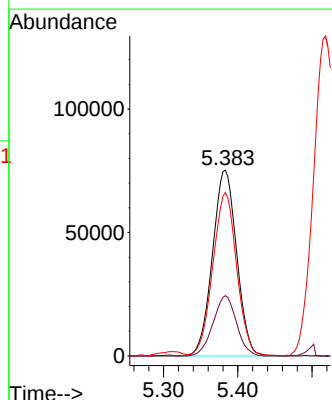
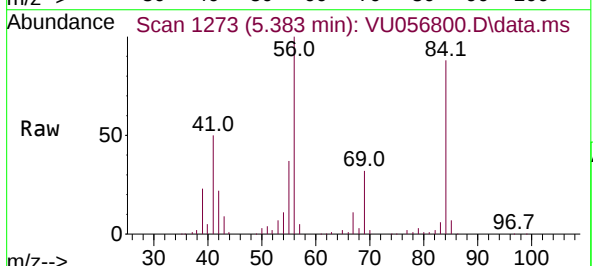
Tgt Ion: 56 Resp: 170077

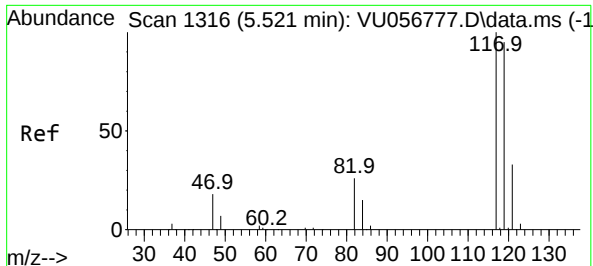
Ion Ratio Lower Upper

56 100

69 31.5 24.9 37.3

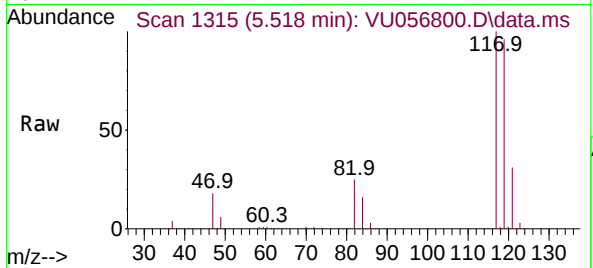
84 87.1 67.6 101.4



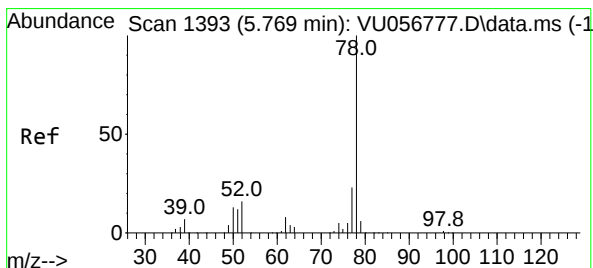
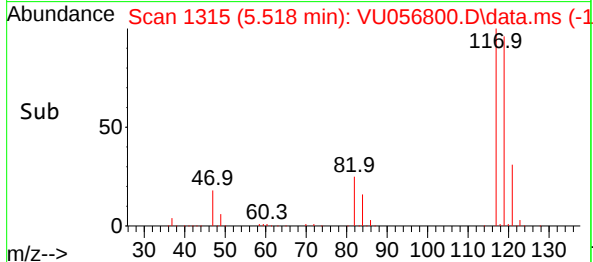
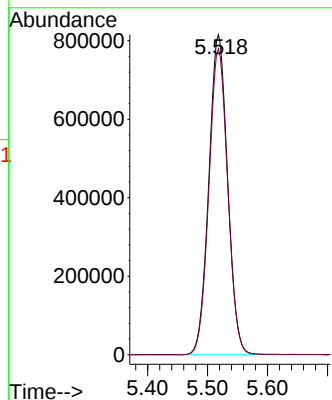


#31
Carbon tetrachloride
Concen: 57.361 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

Instrument :
MSVOA_U
ClientSampleId :

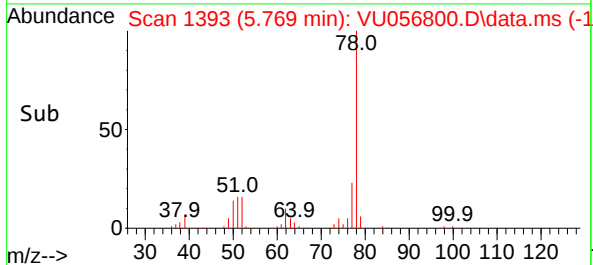
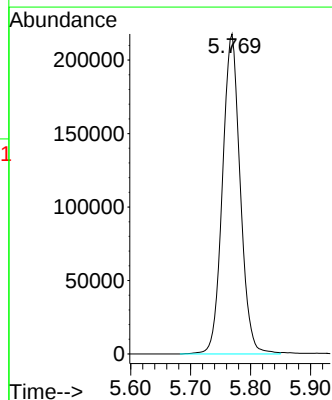
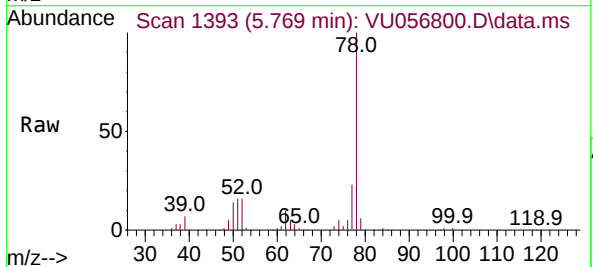


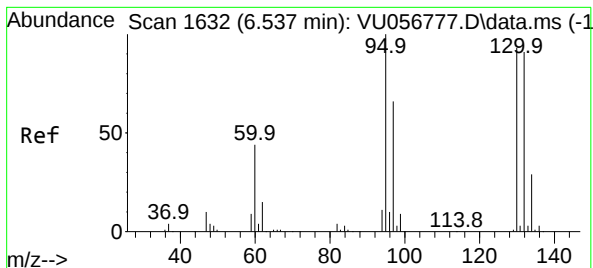
Tgt Ion:117 Resp: 1774825
Ion Ratio Lower Upper
117 100
119 95.7 76.2 114.4



#33
Benzene
Concen: 5.164 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

Tgt Ion: 78 Resp: 446926





#34

Trichloroethene

Concen: 5.403 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

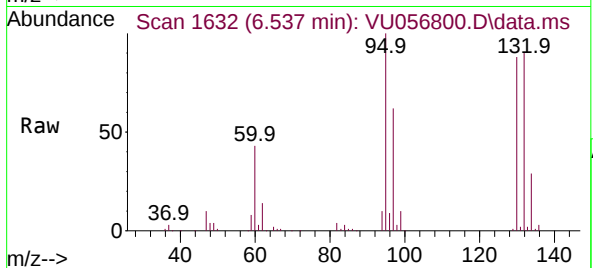
Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 128275

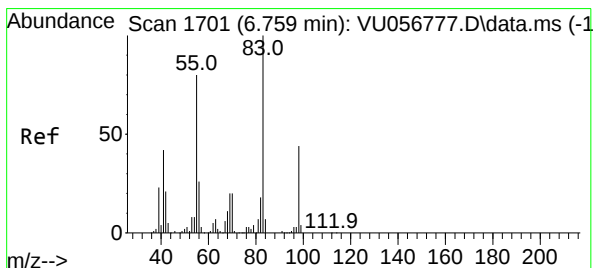
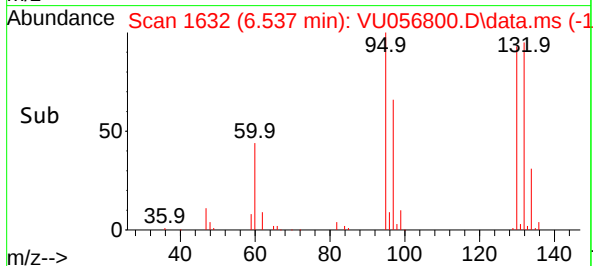
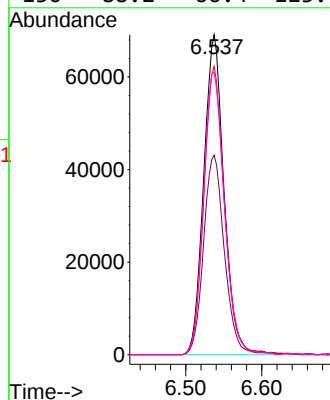
Ion Ratio Lower Upper

95 100

97 62.3 46.1 85.5

132 90.0 63.6 118.0

130 88.2 66.4 123.4



#35

Methylcyclohexane

Concen: 4.977 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

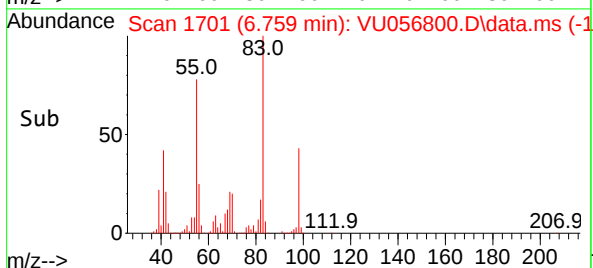
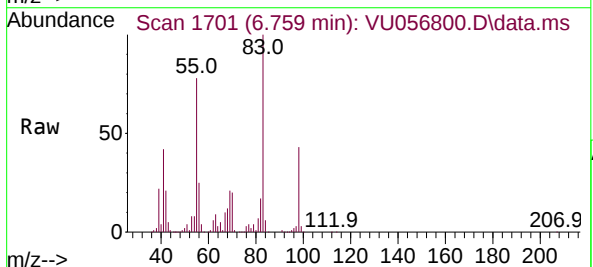
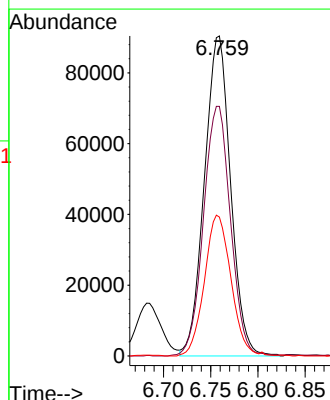
Tgt Ion: 83 Resp: 174391

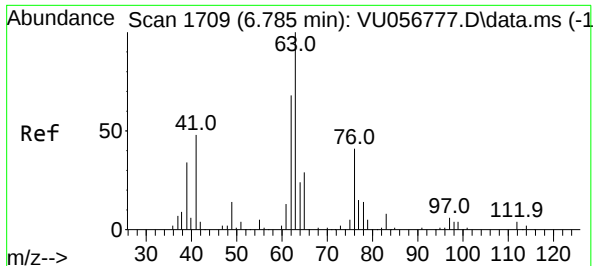
Ion Ratio Lower Upper

83 100

55 80.4 64.6 97.0

98 44.6 36.1 54.1

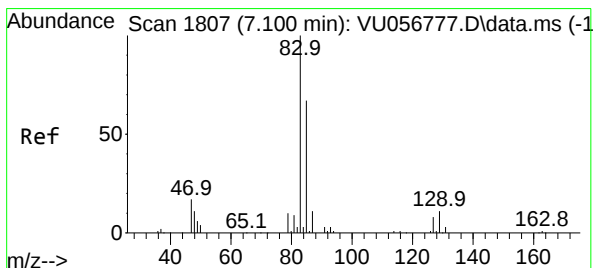
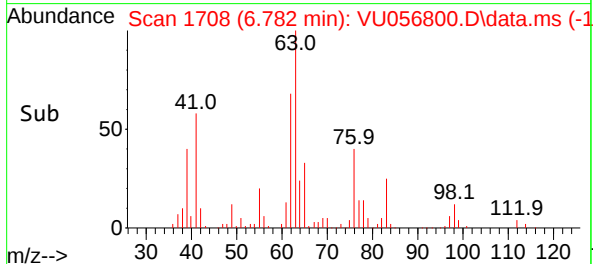
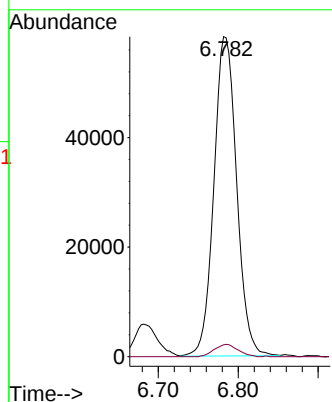
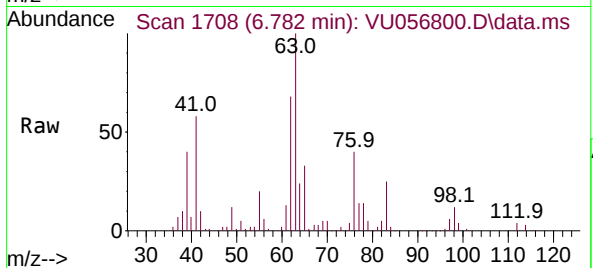




#37
1,2-Dichloropropane
Concen: 5.198 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

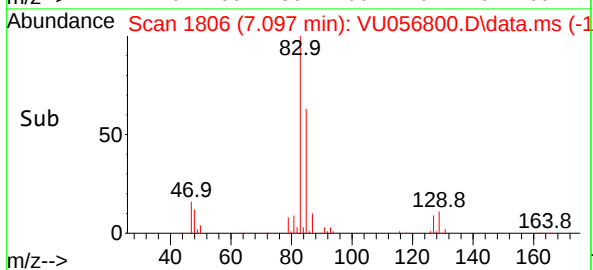
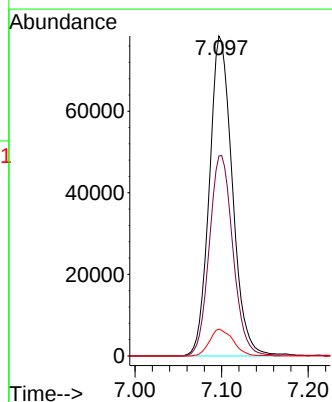
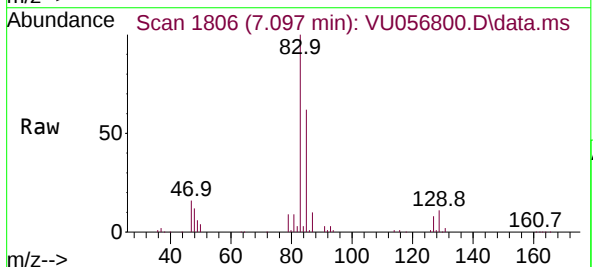
Instrument :
MSVOA_U
ClientSampleId :

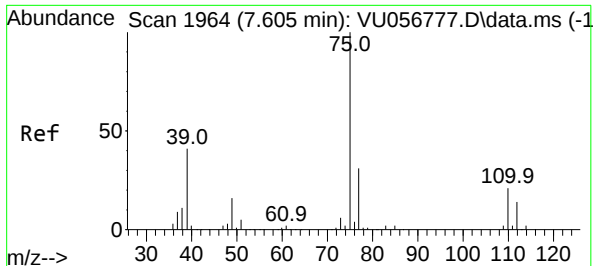
Tgt Ion: 63 Resp: 115076
Ion Ratio Lower Upper
63 100
112 4.0 3.3 4.9



#38
Bromodichloromethane
Concen: 5.122 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

Tgt Ion: 83 Resp: 144631
Ion Ratio Lower Upper
83 100
85 62.5 45.0 83.6
127 8.4 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 5.159 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

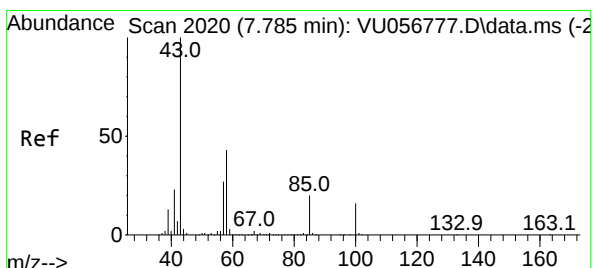
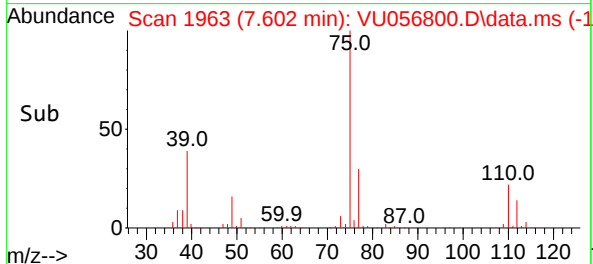
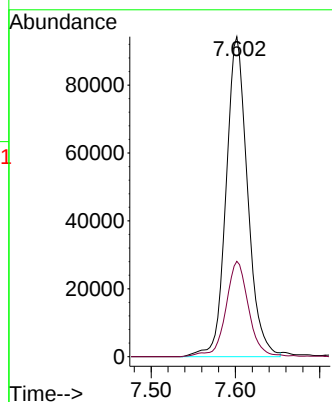
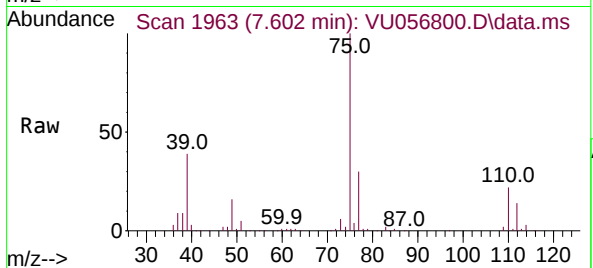
ClientSampleId :

Tgt Ion: 75 Resp: 166478

Ion Ratio Lower Upper

75 100

77 29.8 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 52.163 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.003 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

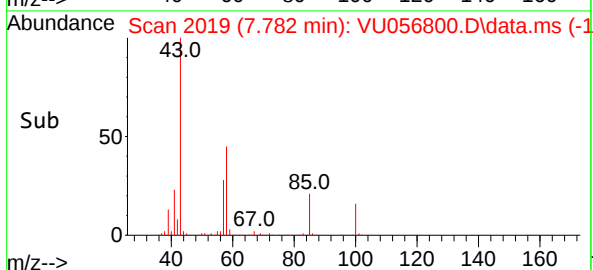
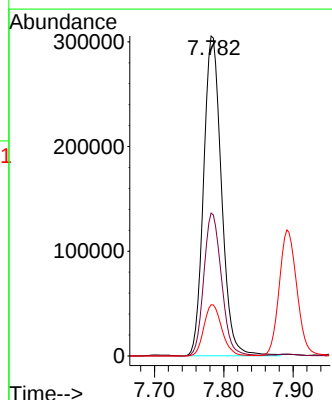
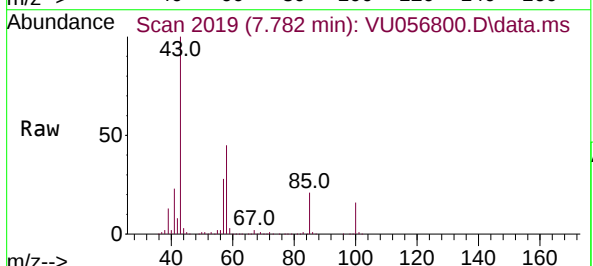
Tgt Ion: 43 Resp: 548398

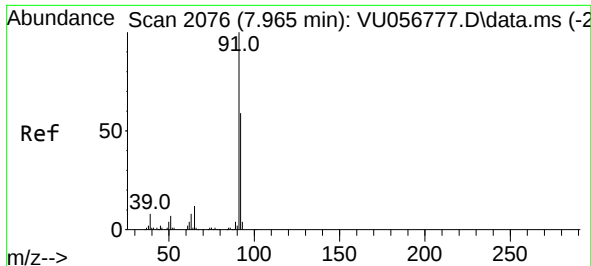
Ion Ratio Lower Upper

43 100

58 44.2 33.7 50.5

100 16.2 13.0 19.4





#42

Toluene

Concen: 5.290 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

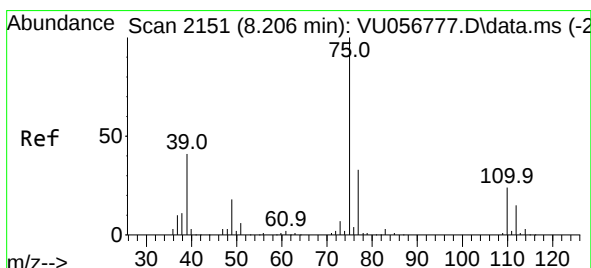
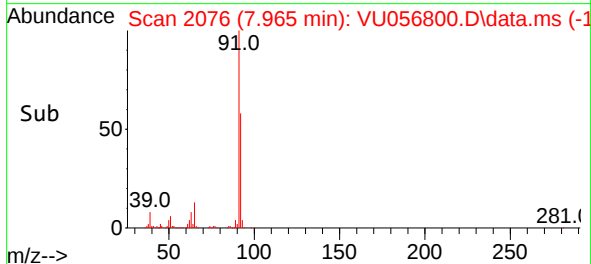
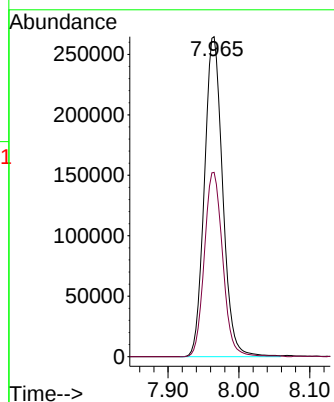
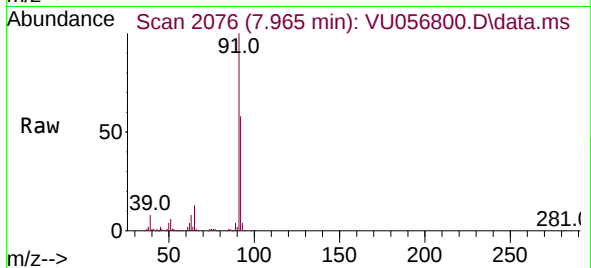
ClientSampleId :

Tgt Ion: 91 Resp: 473740

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.065 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU056800.D

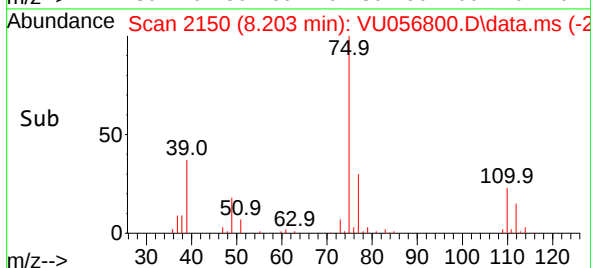
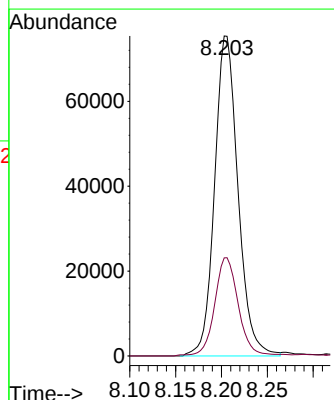
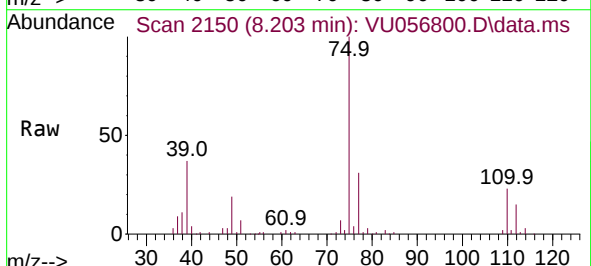
Acq: 12 Dec 2023 20:57

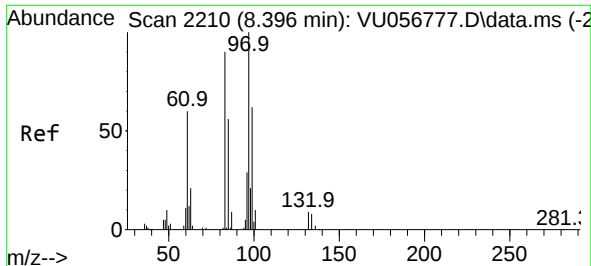
Tgt Ion: 75 Resp: 133945

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.4

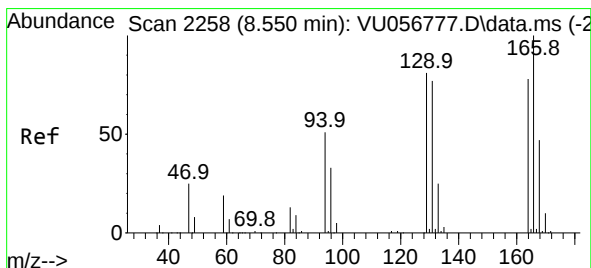
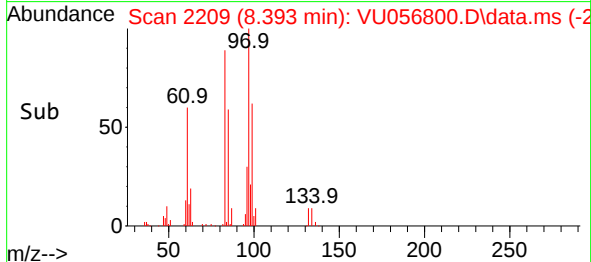
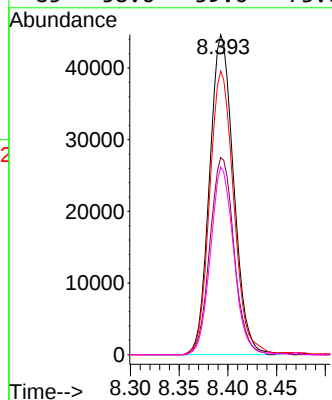
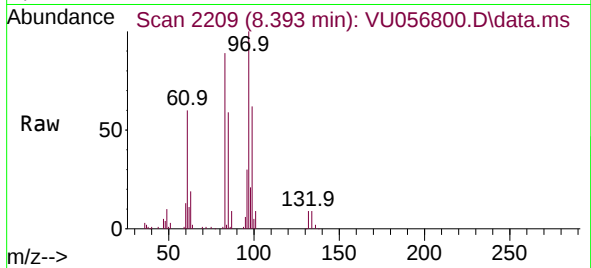




#45
1,1,2-Trichloroethane
Concen: 5.130 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

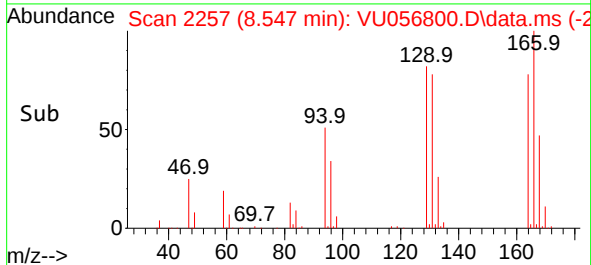
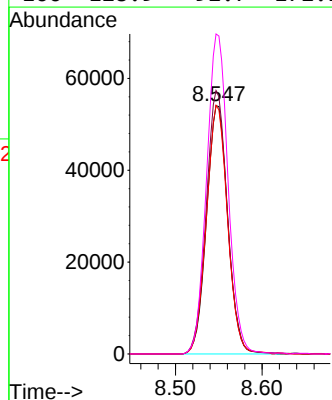
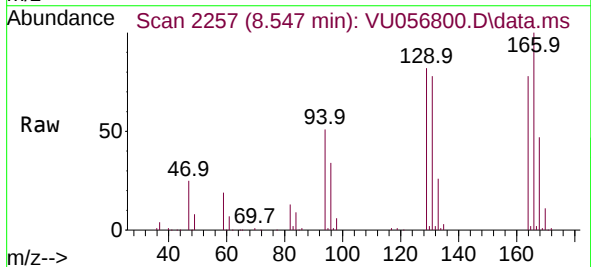
Instrument :
MSVOA_U
ClientSampleId :

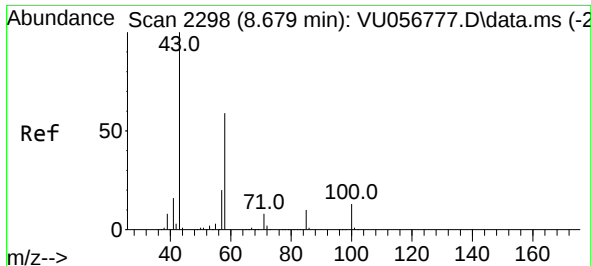
Tgt Ion: 97	Resp: 76780
Ion Ratio	Lower Upper
97 100	
99 61.6	41.9 77.9
83 88.7	59.1 109.7
85 58.6	39.6 73.6



#47
Tetrachloroethene
Concen: 5.567 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

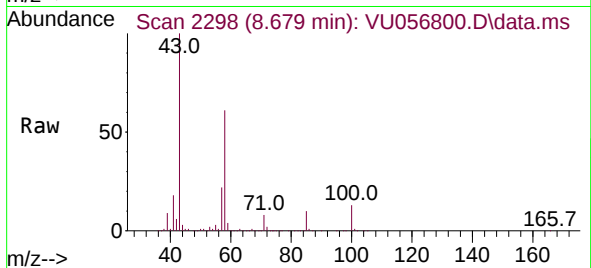
Tgt	Ion:164	Resp:	92492
Ion	Ratio	Lower	Upper
164	100		
129	106.1	73.4	136.4
131	100.1	71.5	132.9
166	128.9	92.7	172.1



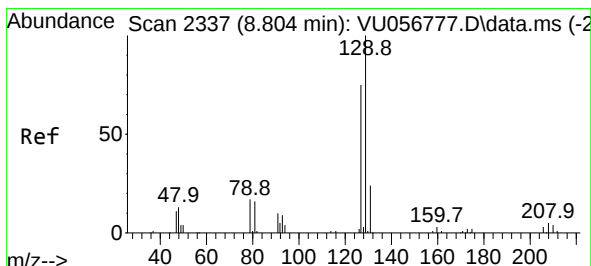
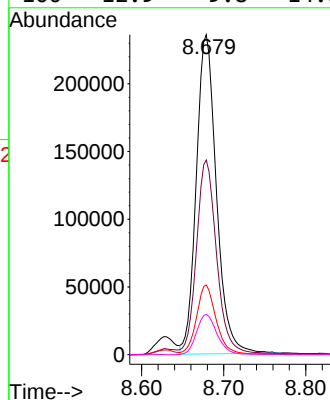
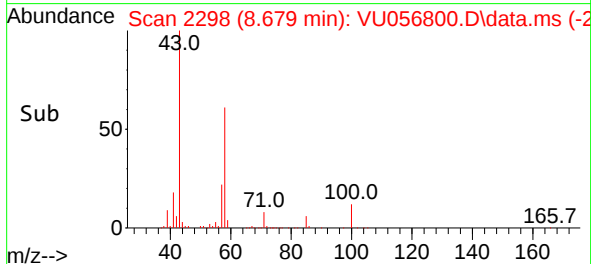


#48
2-Hexanone
Concen: 53.672 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

Instrument :
MSVOA_U
ClientSampleId :

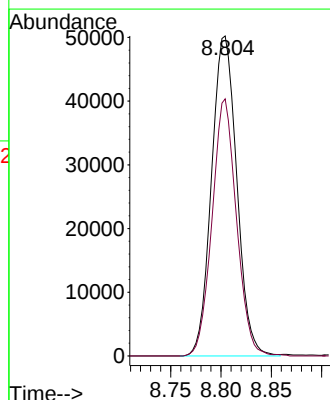
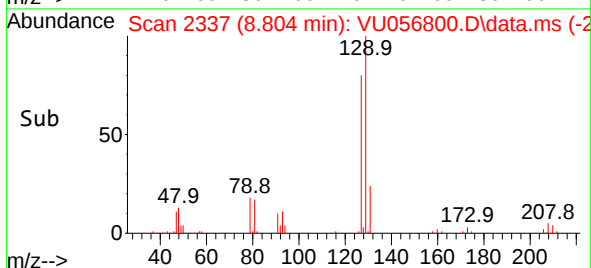
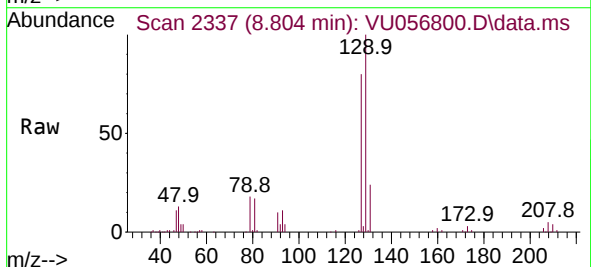


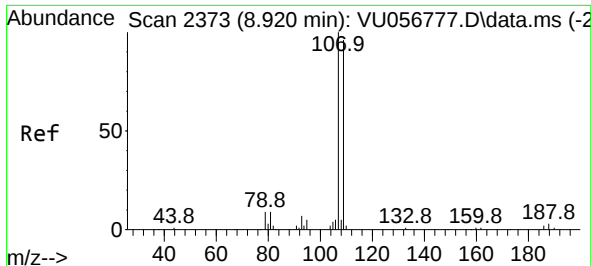
Tgt Ion: 43 Resp: 401881
Ion Ratio Lower Upper
43 100
58 61.4 47.5 71.3
57 21.0 17.0 25.4
100 12.9 9.8 14.8



#49
Dibromochloromethane
Concen: 5.101 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

Tgt Ion: 129 Resp: 87758
Ion Ratio Lower Upper
129 100
127 80.3 53.9 100.1





#50

1,2-Dibromoethane

Concen: 5.234 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056800.D

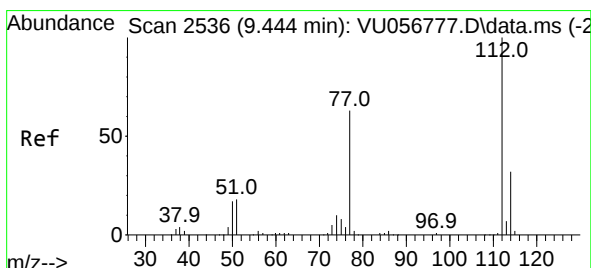
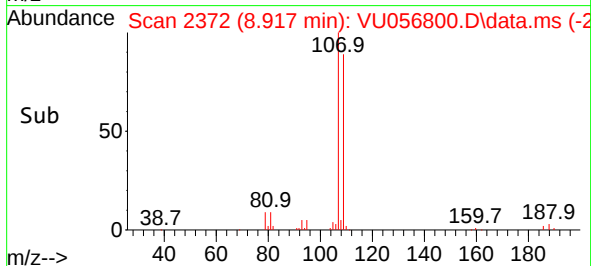
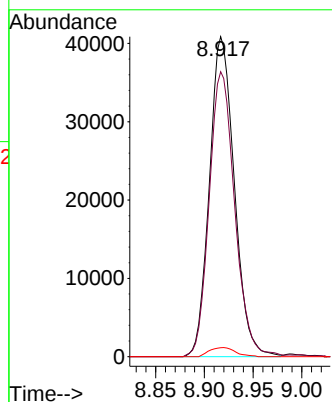
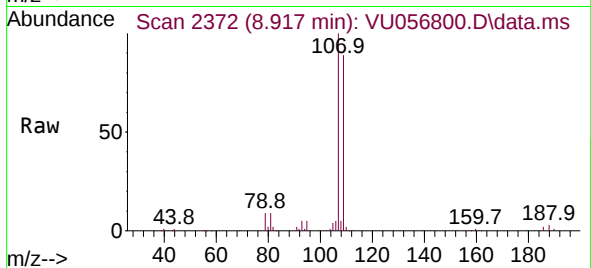
Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	72708
Ion	Ratio	Lower	Upper
107	100		
109	89.0	66.5	123.5
188	2.8	2.9	4.3#



#51

Chlorobenzene

Concen: 9.665 ug/L

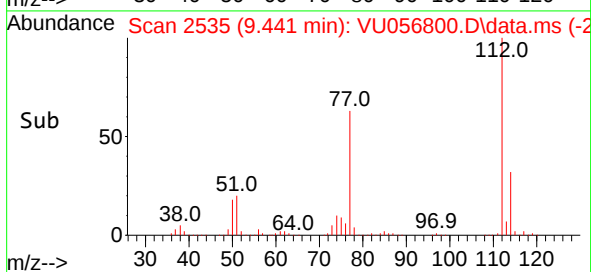
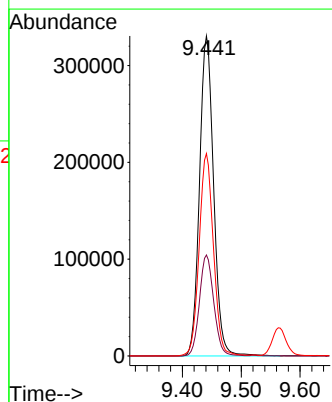
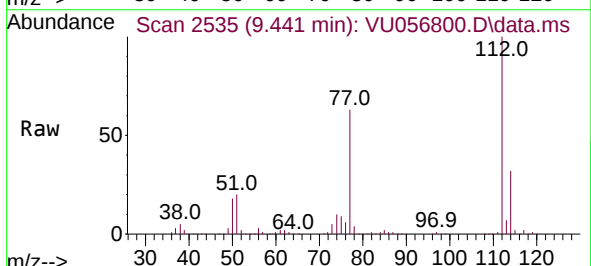
RT: 9.441 min Scan# 2535

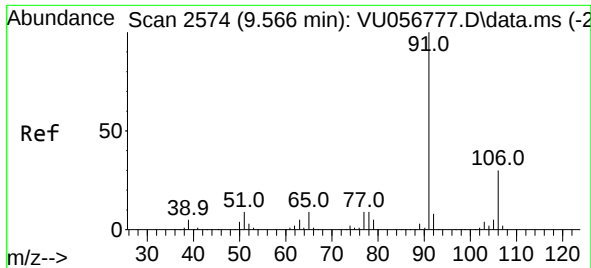
Delta R.T. -0.003 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Tgt Ion:	112	Resp:	551685
Ion	Ratio	Lower	Upper
112	100		
114	31.6	21.9	40.7
77	63.3	51.6	77.4

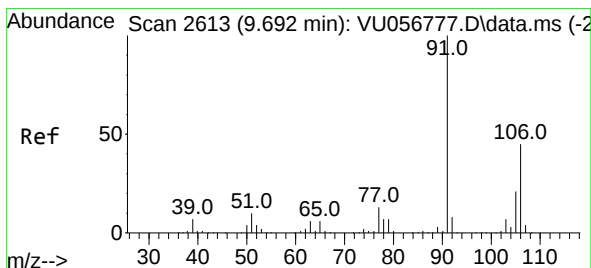
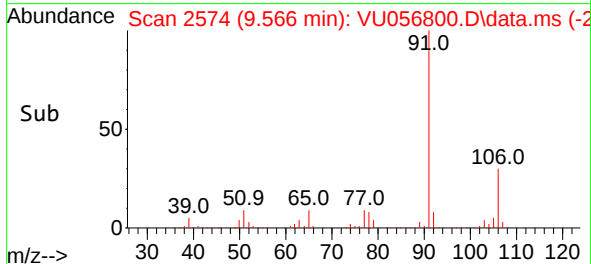
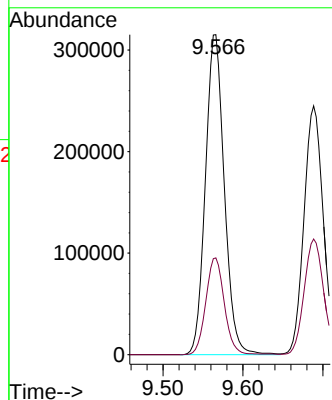
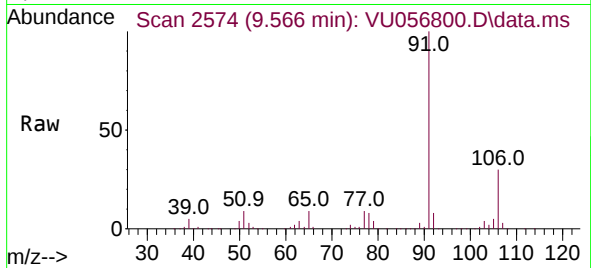




#52
Ethylbenzene
Concen: 5.253 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

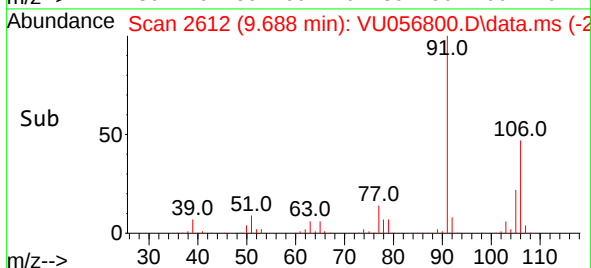
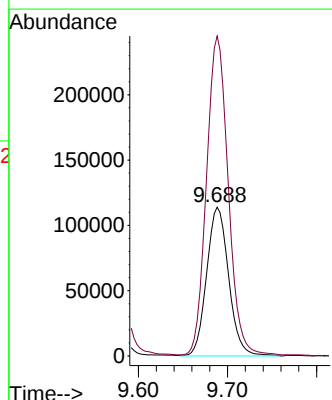
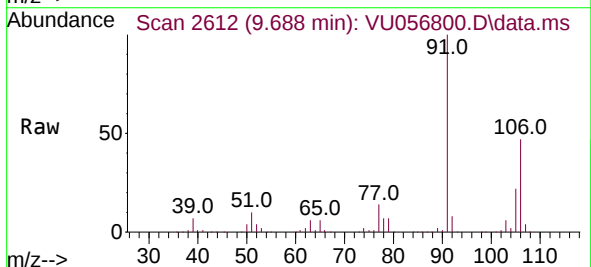
Instrument :
MSVOA_U
ClientSampleId :

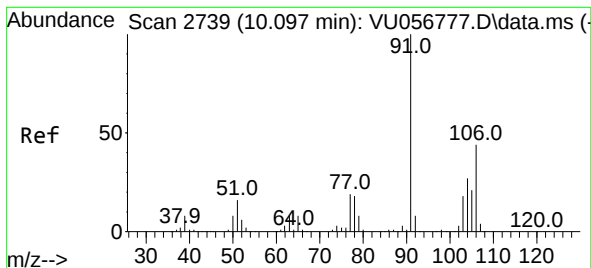
Tgt Ion: 91 Resp: 518911
Ion Ratio Lower Upper
91 100
106 30.3 20.6 38.4



#53
m,p-Xylene
Concen: 5.313 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

Tgt Ion: 106 Resp: 195547
Ion Ratio Lower Upper
106 100
91 215.1 154.0 286.0





#54

o-Xylene

Concen: 5.220 ug/L

RT: 10.093 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

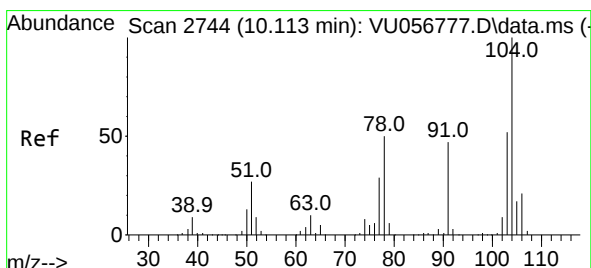
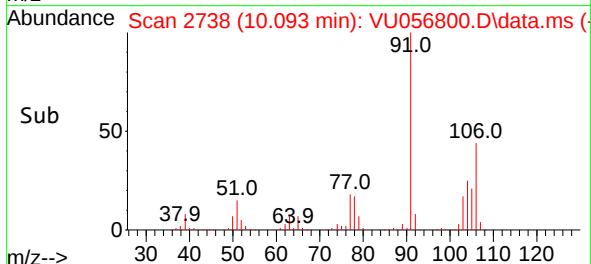
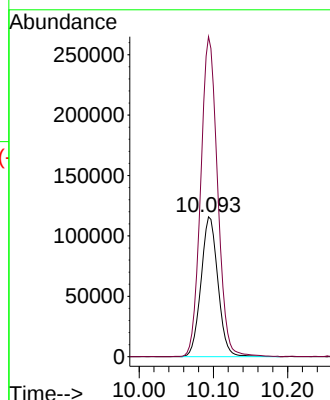
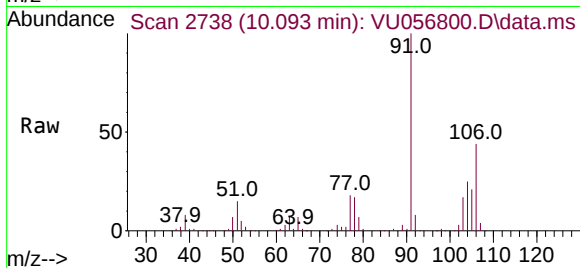
ClientSampleId :

Tgt Ion:106 Resp: 183031

Ion Ratio Lower Upper

106 100

91 228.8 160.2 297.6



#55

Styrene

Concen: 5.480 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.003 min

Lab File: VU056800.D

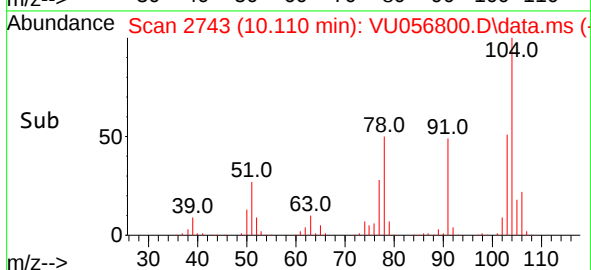
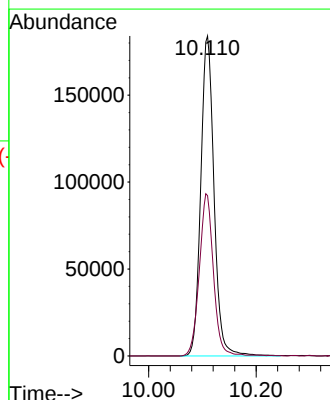
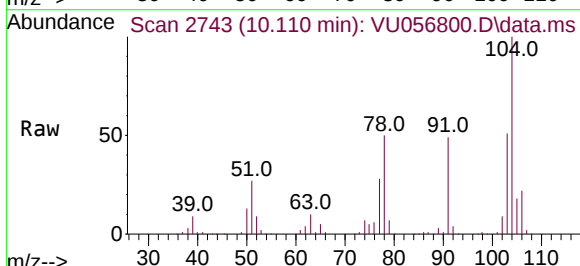
Acq: 12 Dec 2023 20:57

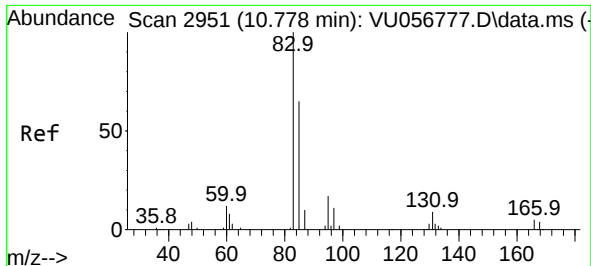
Tgt Ion:104 Resp: 315548

Ion Ratio Lower Upper

104 100

78 50.1 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.282 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

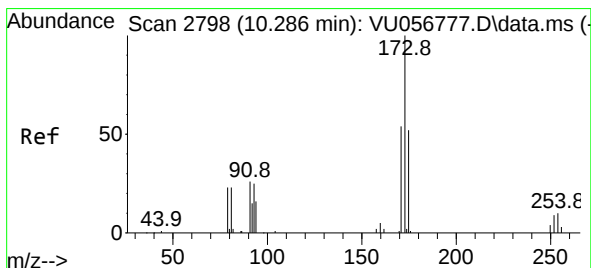
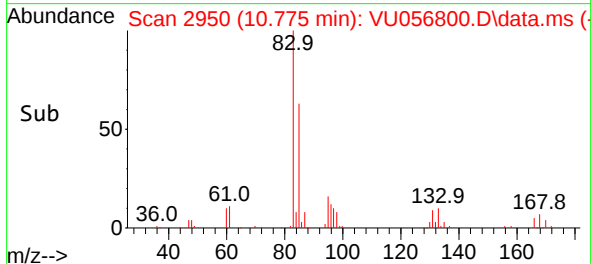
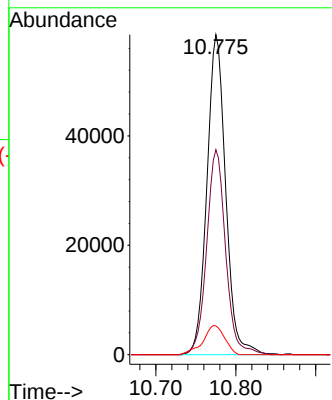
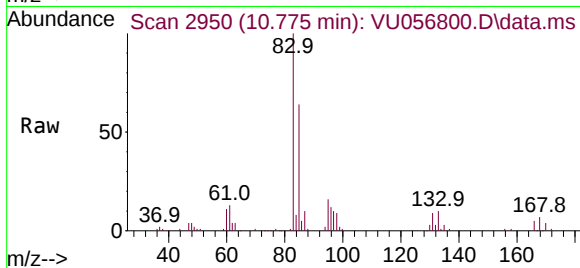
Tgt Ion: 83 Resp: 95513

Ion Ratio Lower Upper

83 100

85 64.0 45.4 84.4

131 9.0 6.6 9.8



#59

Bromoform

Concen: 4.808 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

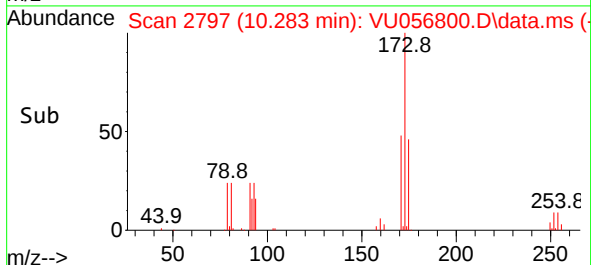
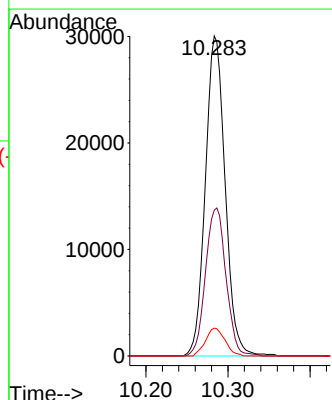
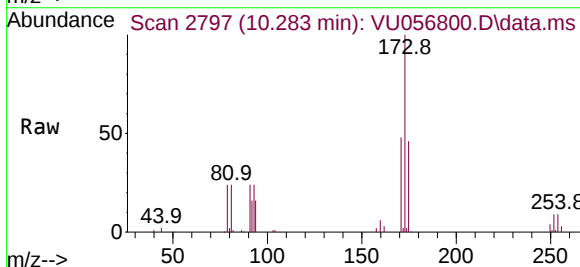
Tgt Ion:173 Resp: 50472

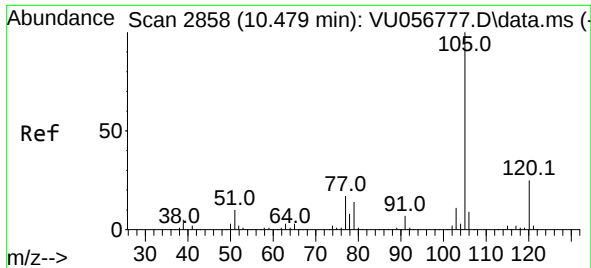
Ion Ratio Lower Upper

173 100

175 47.9 38.2 57.2

254 8.6 7.0 10.4

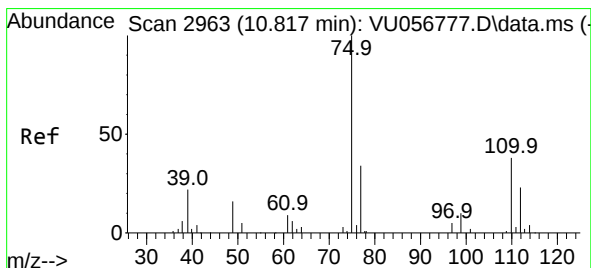
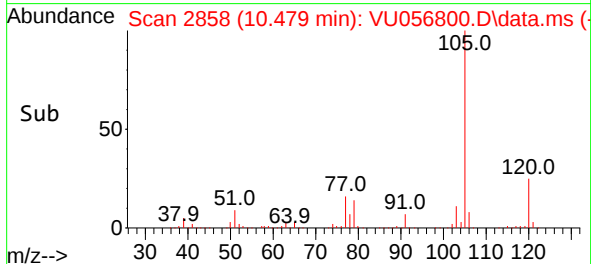
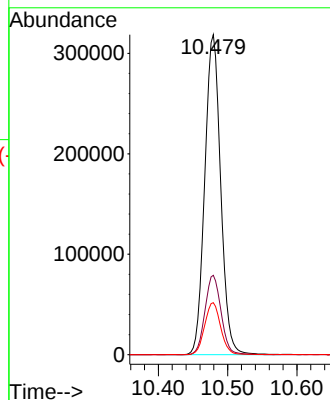
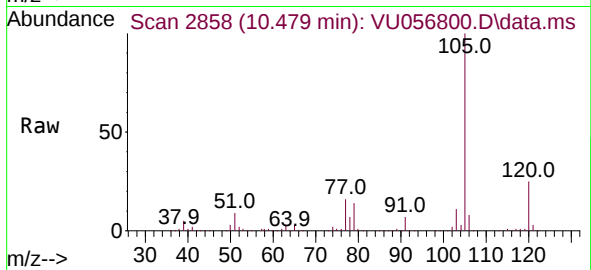




#60
Isopropylbenzene
Concen: 4.993 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

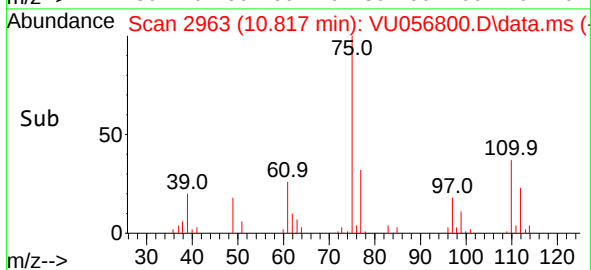
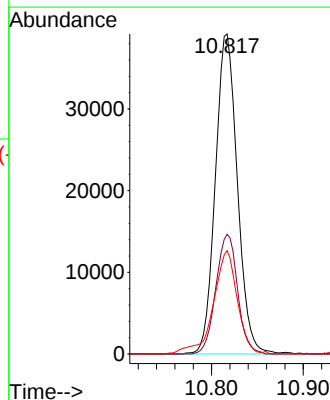
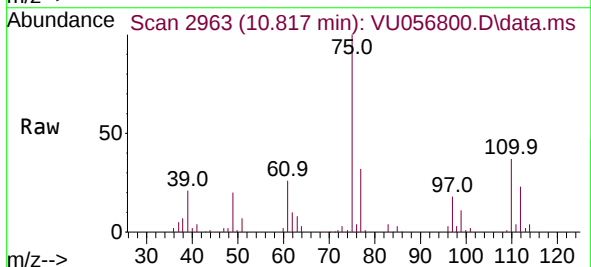
Instrument :
MSVOA_U
ClientSampleId :

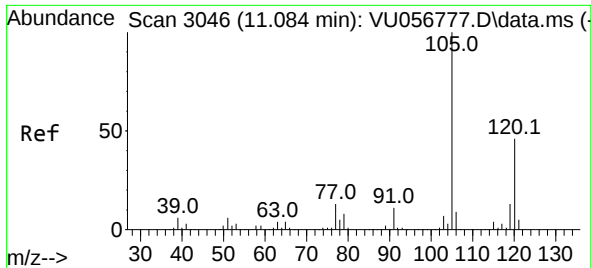
Tgt Ion:105 Resp: 507097
Ion Ratio Lower Upper
105 100
120 25.0 20.1 30.1
77 16.4 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.736 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

Tgt Ion: 75 Resp: 65368
Ion Ratio Lower Upper
75 100
110 36.8 28.4 42.6
77 35.3 26.3 39.5

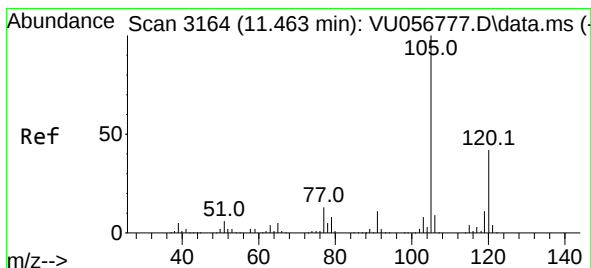
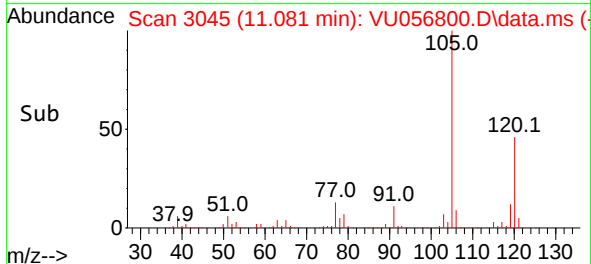
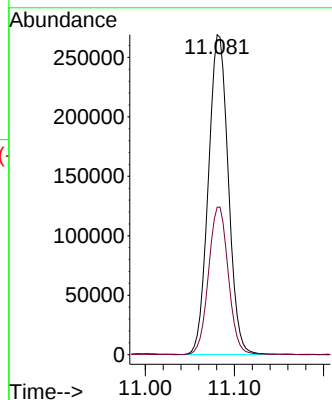
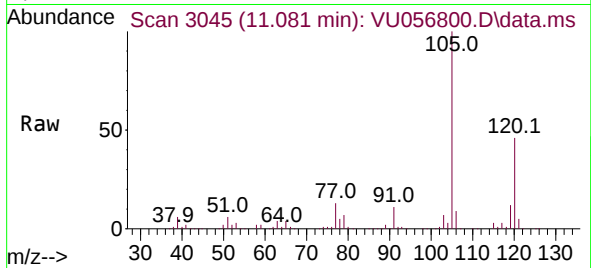




#62
 1,3,5-Trimethylbenzene
 Concen: 5.030 ug/L
 RT: 11.081 min Scan# 3046
 Delta R.T. -0.003 min
 Lab File: VU056800.D
 Acq: 12 Dec 2023 20:57

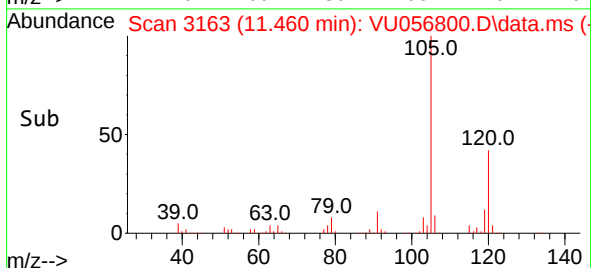
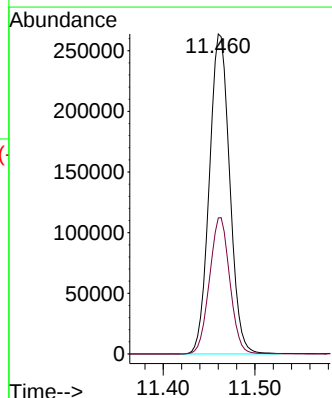
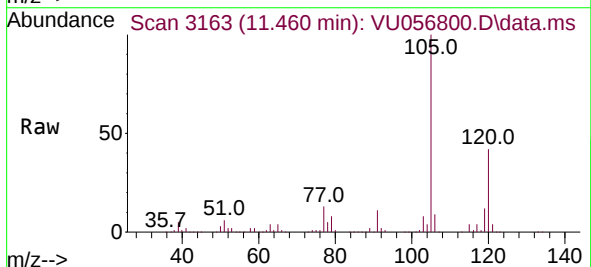
Instrument :
 MSVOA_U
 ClientSampleId :

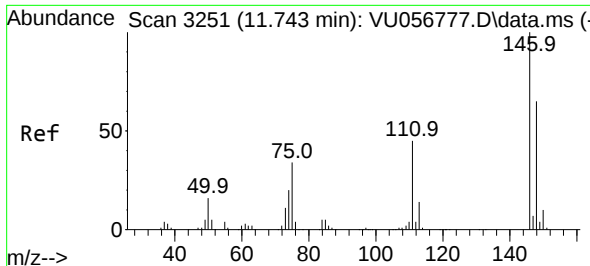
Tgt Ion:105 Resp: 417519
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.8 55.2



#63
 1,2,4-Trimethylbenzene
 Concen: 4.939 ug/L
 RT: 11.460 min Scan# 3163
 Delta R.T. -0.003 min
 Lab File: VU056800.D
 Acq: 12 Dec 2023 20:57

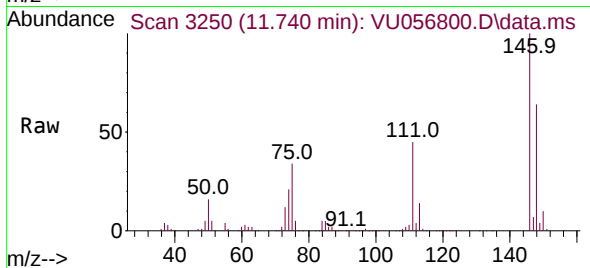
Tgt Ion:105 Resp: 407242
 Ion Ratio Lower Upper
 105 100
 120 42.5 34.2 51.4



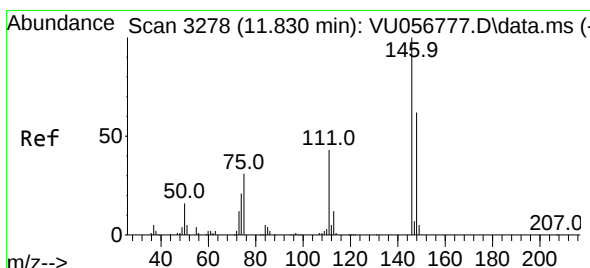
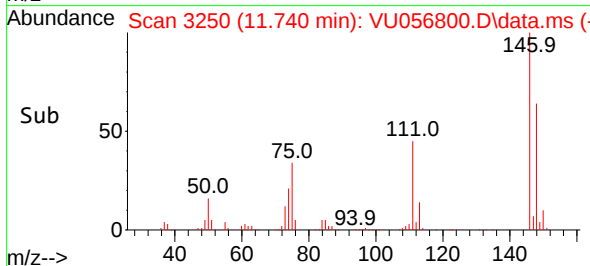
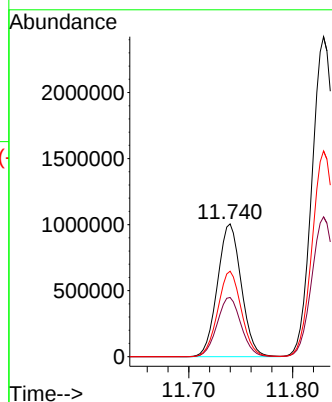


#64
1,3-Dichlorobenzene
Concen: 33.286 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

Instrument :
MSVOA_U
ClientSampleId :

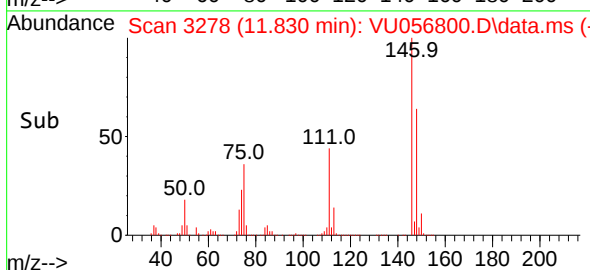
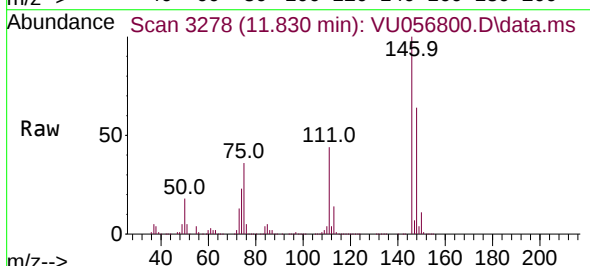
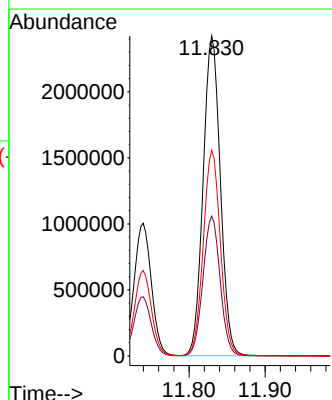


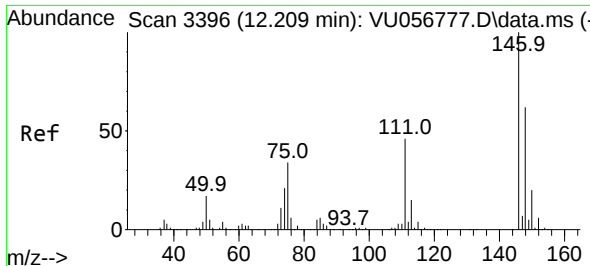
Tgt Ion:146 Resp: 1599306
Ion Ratio Lower Upper
146 100
111 44.7 31.7 58.9
148 64.3 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 80.567 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU056800.D
Acq: 12 Dec 2023 20:57

Tgt Ion:146 Resp: 3811625
Ion Ratio Lower Upper
146 100
111 43.7 31.2 58.0
148 64.3 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 85.448 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

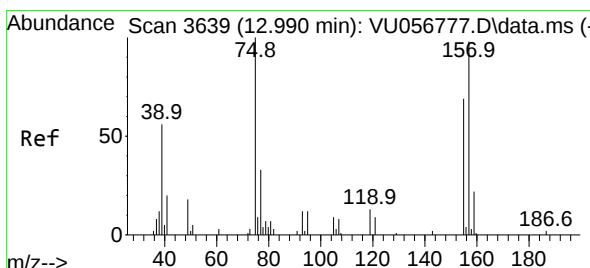
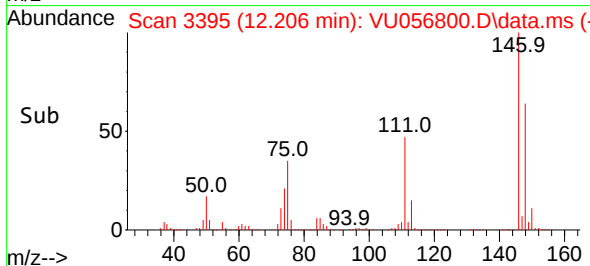
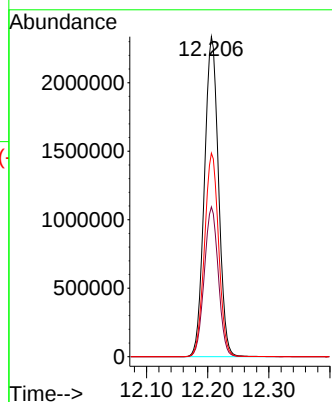
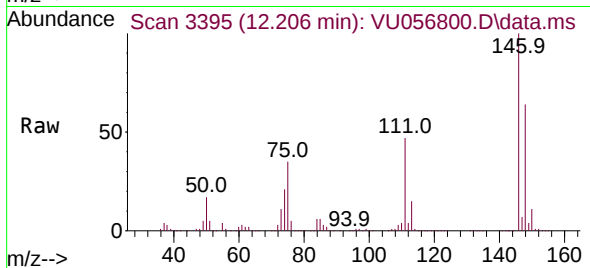
Tgt Ion:146 Resp: 3740016

Ion Ratio Lower Upper

146 100

111 46.8 36.9 55.3

148 63.6 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.158 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

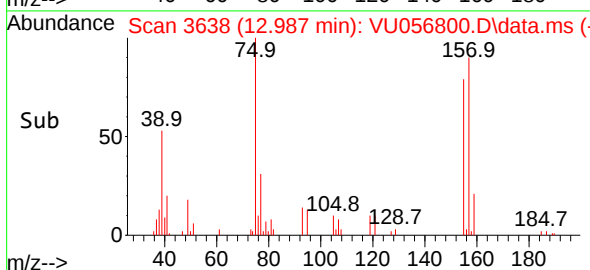
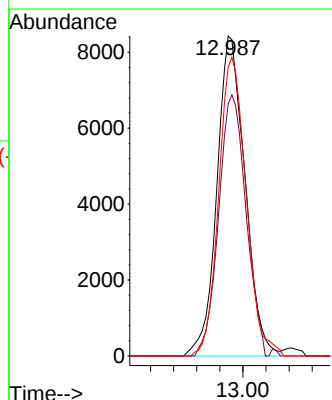
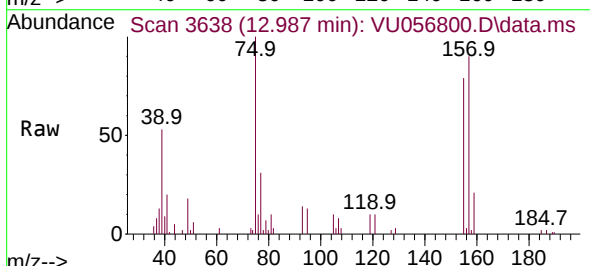
Tgt Ion: 75 Resp: 14216

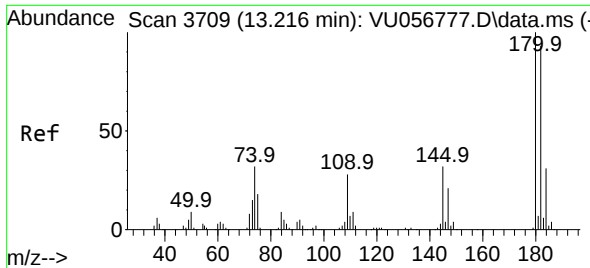
Ion Ratio Lower Upper

75 100

155 78.8 55.4 83.2

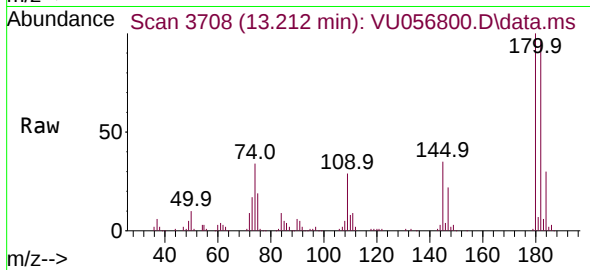
157 90.2 77.3 115.9



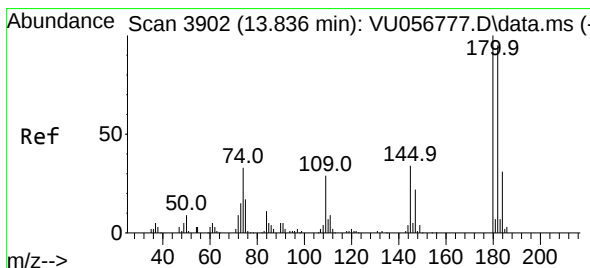
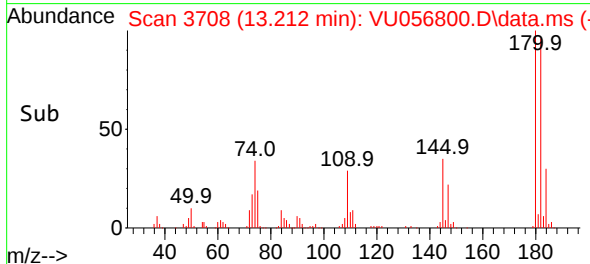
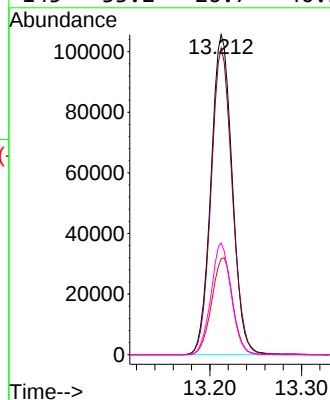


#69
 1,3,5-Trichlorobenzene
 Concen: 4.675 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU056800.D
 Acq: 12 Dec 2023 20:57

Instrument :
 MSVOA_U
 ClientSampleId :

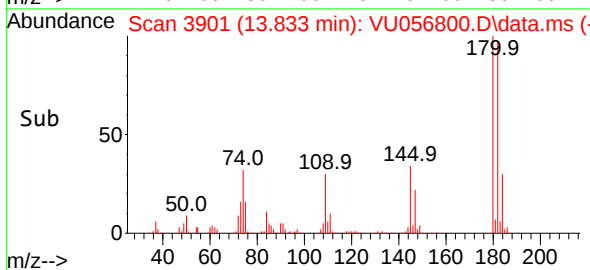
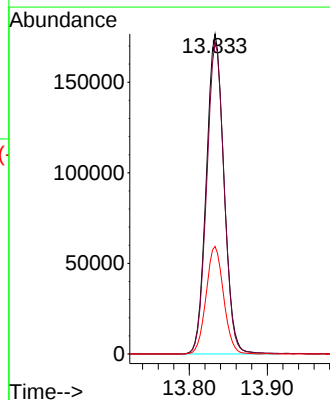
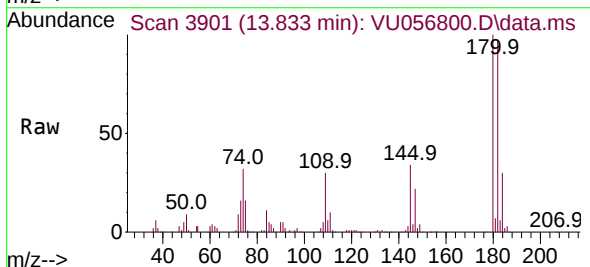


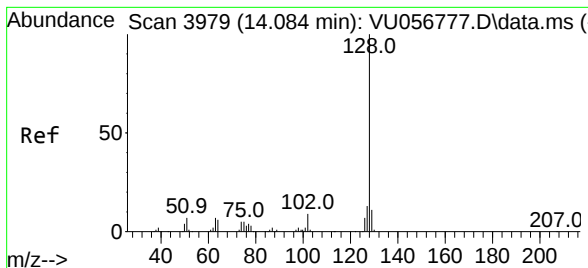
Tgt Ion:180 Resp: 169724
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.2 114.4
 184 30.0 24.6 37.0
 145 33.2 26.7 40.1



#70
 1,2,4-trichlorobenzene
 Concen: 9.662 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU056800.D
 Acq: 12 Dec 2023 20:57

Tgt Ion:180 Resp: 277761
 Ion Ratio Lower Upper
 180 100
 182 96.0 74.3 111.5
 145 33.3 26.7 40.1





#71

Naphthalene

Concen: 5.061 ug/L

RT: 14.080 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

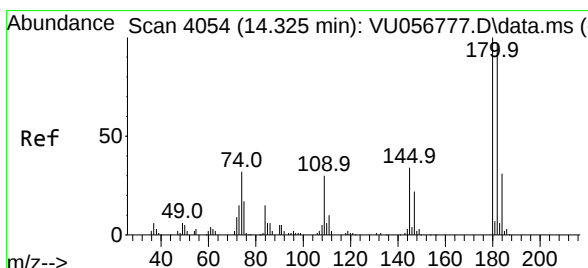
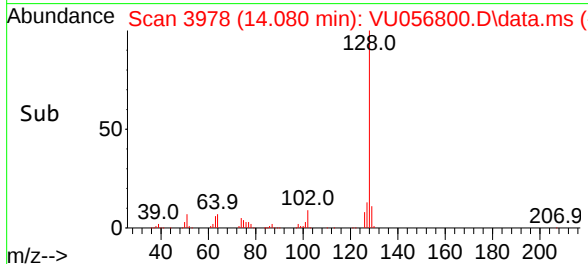
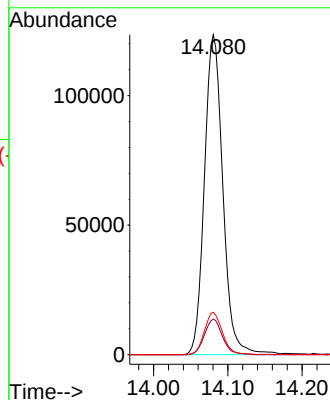
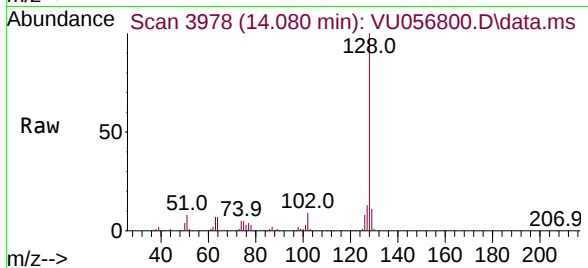
Tgt Ion:128 Resp: 212928

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 12.9 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 7.458 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU056800.D

Acq: 12 Dec 2023 20:57

Tgt Ion:180 Resp: 182032

Ion Ratio Lower Upper

180 100

182 95.9 75.0 112.6

145 36.3 28.6 42.8

