

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121123\
 Data File : VU056773.D
 Acq On : 12 Dec 2023 08:14
 Operator : MD/SY
 Sample : 05675-08MS
 Misc : 25.2mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AB0MS

Quant Time: Dec 12 11:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 02:01:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	245515	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	241096	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	126307	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	100984	4.799	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.000%
7) Chloroethane-d5	1.907	69	80347	5.102	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.000%
11) 1,1-Dichloroethene-d2	2.563	65	43872	4.872	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.400%
20) 2-Butanone-d5	4.615	46	214125	51.522	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.040%
24) Chloroform-d	5.055	84	204739	5.138	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	5.695	65	96755	5.131	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	5.721	84	392118	5.244	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.800%
36) 1,2-Dichloropropane-d6	6.682	67	118001	5.041	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.891	98	352250	5.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
43) trans-1,3-Dichloroprop...	8.174	79	44365	4.888	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.800%
46) 2-Hexanone-d5	8.627	63	185202	54.098	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.200%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	94460	5.578	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	122366	4.928	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	120135	4.670	ug/L	97
3) Chloromethane	1.518	50	120796	4.775	ug/L	98
5) Vinyl chloride	1.602	62	120601	4.801	ug/L	100
6) Bromomethane	1.853	94	60427	4.080	ug/L	93
8) Chloroethane	1.930	64	74389	5.055	ug/L	98
9) Trichlorofluoromethane	2.136	101	168052	4.747	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	99991	4.605	ug/L	100
12) 1,1-Dichloroethene	2.576	96	116788	5.859	ug/L	93
13) Acetone	2.621	43	111970	44.209	ug/L	98
14) Carbon disulfide	2.788	76	319157	4.615	ug/L	100
15) Methyl Acetate	2.946	43	29861	4.331	ug/L	91
16) Methylene chloride	3.042	84	101107	4.656	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	234896	5.315	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	97900	4.844	ug/L	97
19) 1,1-Dichloroethane	3.862	63	199216	5.125	ug/L	98
21) 2-Butanone	4.695	43	194601	45.561	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	127712	5.809	ug/L	96
23) Bromochloromethane	4.968	128	43933	4.773	ug/L	98
25) Chloroform	5.081	83	202456	4.971	ug/L	98

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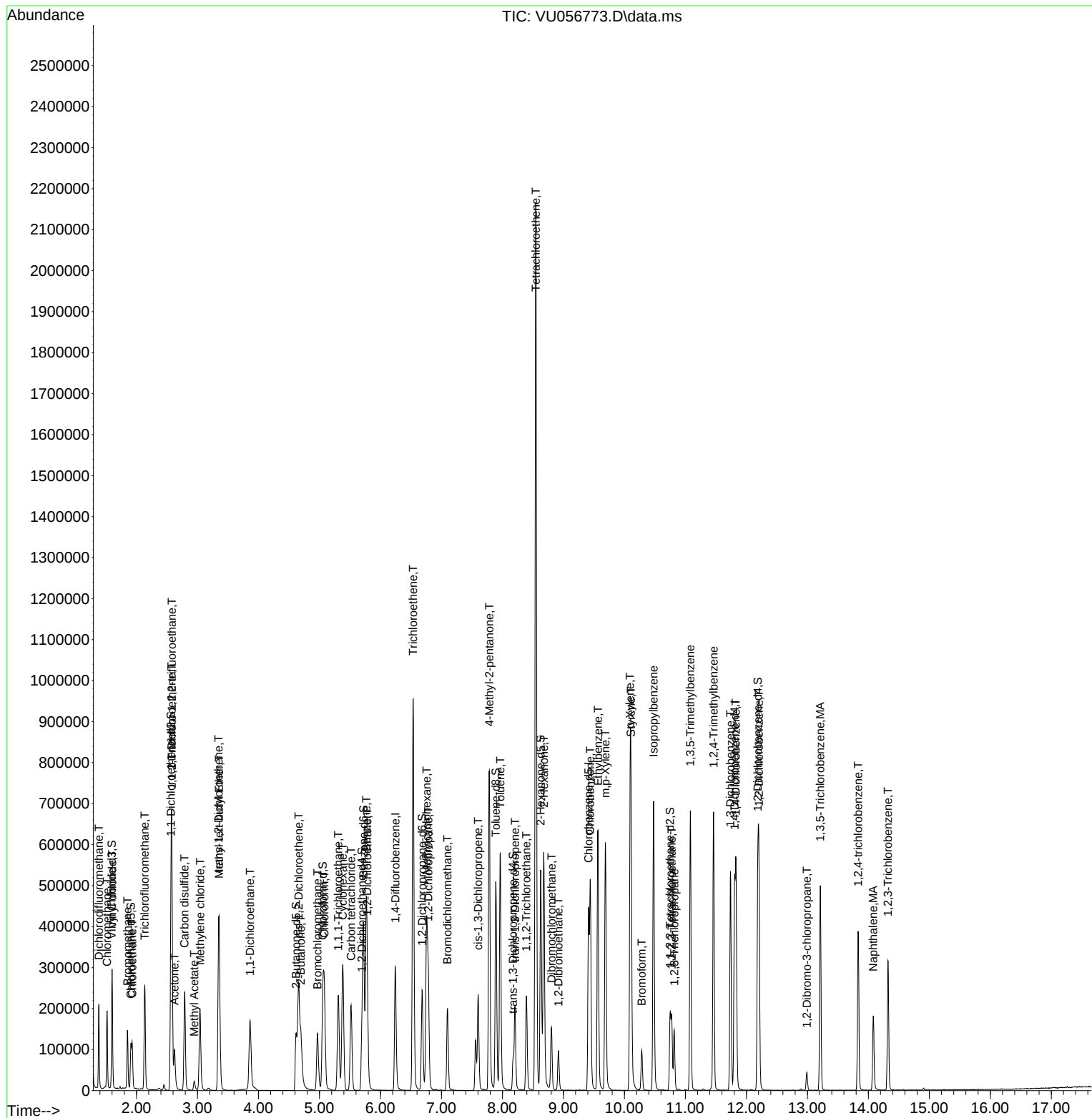
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	116107	4.821	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	173200	4.970	ug/L	98
30) Cyclohexane	5.383	56	153932	4.706	ug/L	99
31) Carbon tetrachloride	5.518	117	146531	4.837	ug/L	99
33) Benzene	5.769	78	423192	4.995	ug/L	100
34) Trichloroethene	6.534	95	344681	14.830	ug/L	97
35) Methylcyclohexane	6.756	83	157176	4.582	ug/L	99
37) 1,2-Dichloropropane	6.785	63	105167	4.852	ug/L	100
38) Bromodichloromethane	7.097	83	133443	4.828	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	145308	4.600	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	495592	48.153	ug/L	99
42) Toluene	7.965	91	439456	5.013	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	119589	4.619	ug/L	96
45) 1,1,2-Trichloroethane	8.393	97	72415	4.942	ug/L	98
47) Tetrachloroethene	8.547	164	459173	28.228	ug/L	97
48) 2-Hexanone	8.679	43	355439	48.489	ug/L	98
49) Dibromochloromethane	8.804	129	79905	4.744	ug/L	95
50) 1,2-Dibromoethane	8.920	107	64777	4.763	ug/L	99
51) Chlorobenzene	9.441	112	267000	4.778	ug/L	99
52) Ethylbenzene	9.566	91	469079	4.850	ug/L	100
53) m,p-Xylene	9.688	106	173254	4.808	ug/L	98
54) o-Xylene	10.094	106	167200	4.871	ug/L	95
55) Styrene	10.110	104	278349	4.938	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	89652	5.064	ug/L	98
59) Bromoform	10.283	173	45009	4.364	ug/L	99
60) Isopropylbenzene	10.479	105	466995	4.680	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	62927	4.640	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	377346	4.627	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	373928	4.616	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	212696	4.506	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	204452	4.399	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	197272	4.587	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	12245	4.522	ug/L	99
69) 1,3,5-Trichlorobenzene	13.212	180	148959	4.176	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	114080	4.039	ug/L	98
71) Naphthalene	14.081	128	151481	3.665	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	93595	3.903	ug/L	98

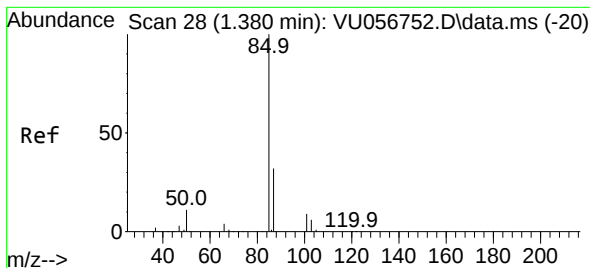
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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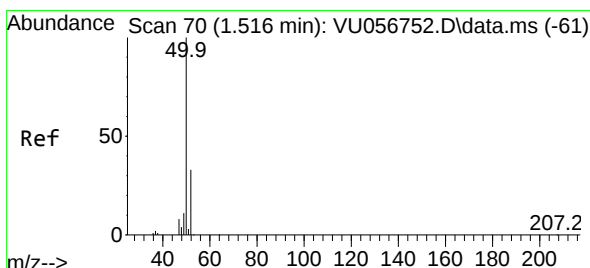
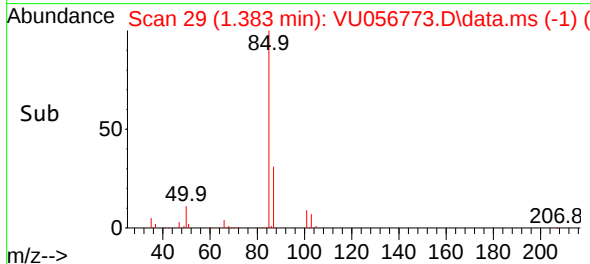
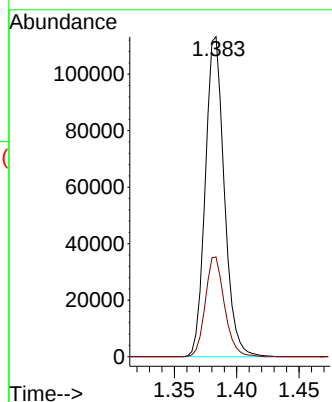
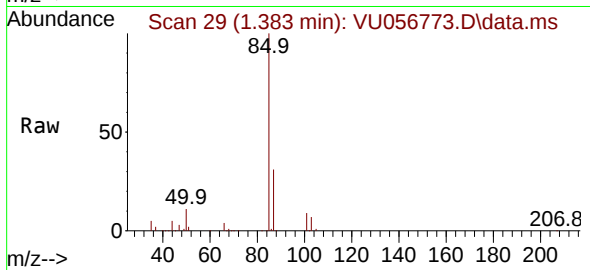




#2
 Dichlorodifluoromethane
 Concen: 4.670 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VU056773.D
 Acq: 12 Dec 2023 08:14

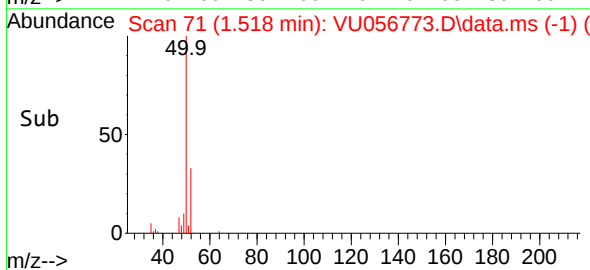
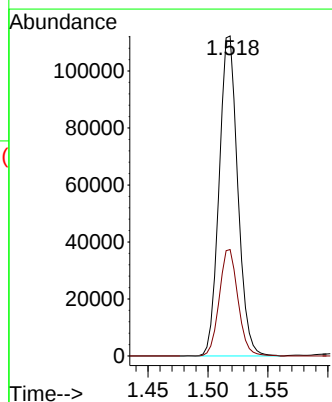
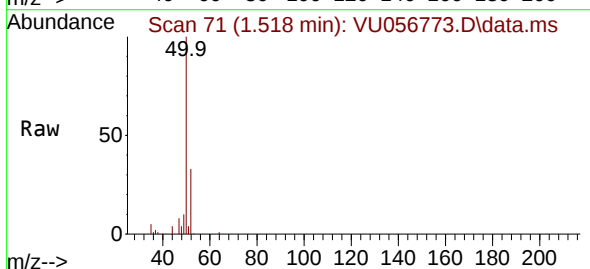
Instrument :
 MSVOA_U
 ClientSampleId :
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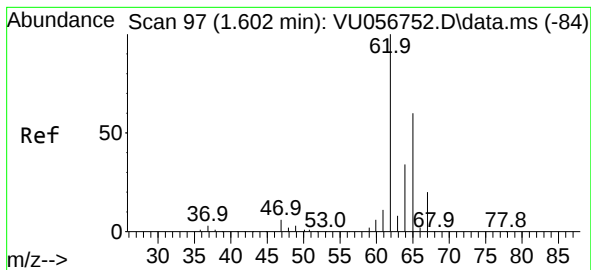
Tgt Ion: 85 Resp: 120135
 Ion Ratio Lower Upper
 85 100
 87 31.5 26.8 40.2



#3
 Chloromethane
 Concen: 4.775 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU056773.D
 Acq: 12 Dec 2023 08:14

Tgt Ion: 50 Resp: 120796
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.5 41.7

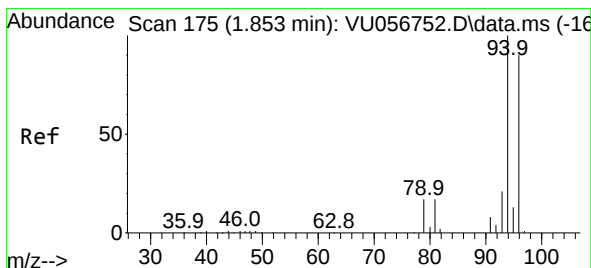
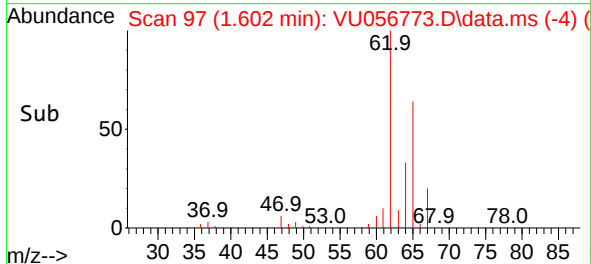
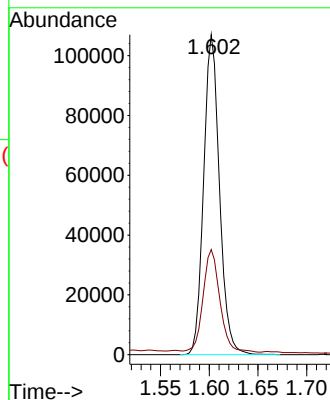
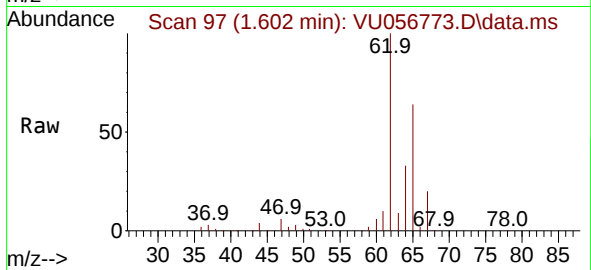




#5
 Vinyl chloride
 Concen: 4.801 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056773.D
 Acq: 12 Dec 2023 08:14

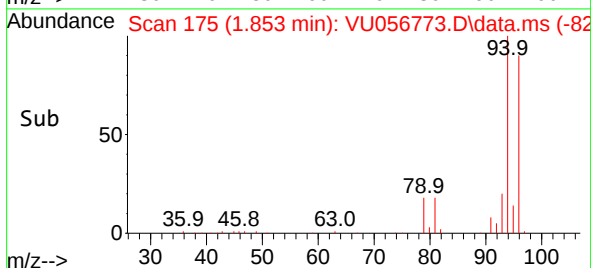
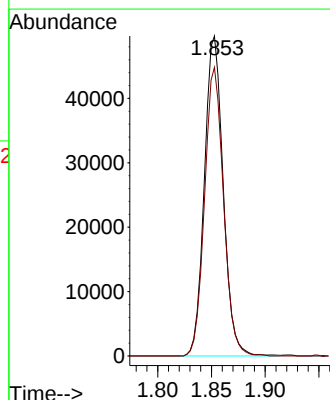
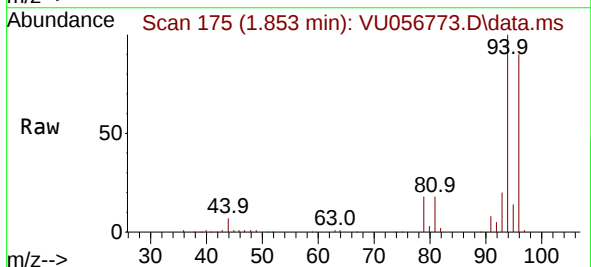
Instrument :
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 ClientSampleId :
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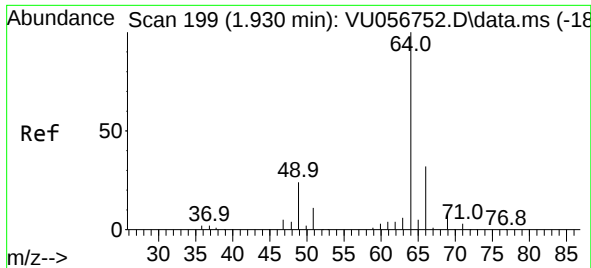
Tgt Ion: 62 Resp: 120601
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.8 42.4



#6
 Bromomethane
 Concen: 4.080 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU056773.D
 Acq: 12 Dec 2023 08:14

Tgt Ion: 94 Resp: 60427
 Ion Ratio Lower Upper
 94 100
 96 90.2 67.8 125.8

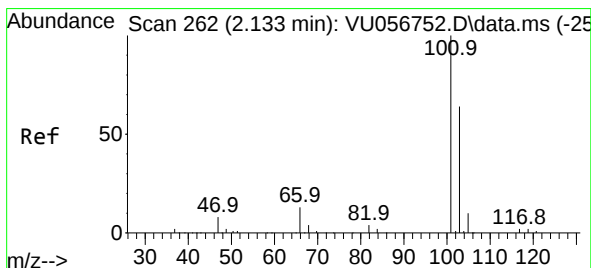
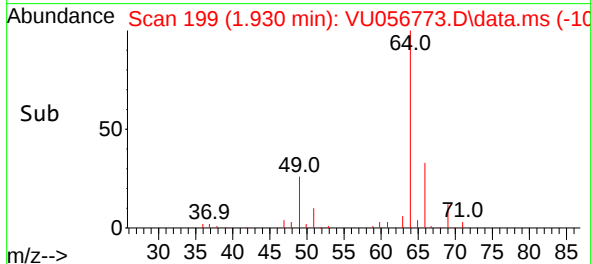
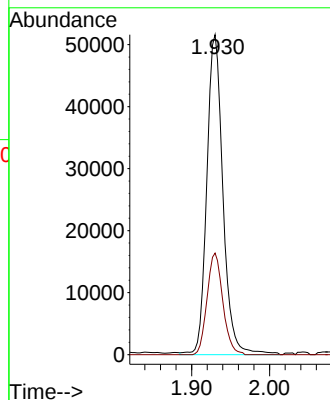
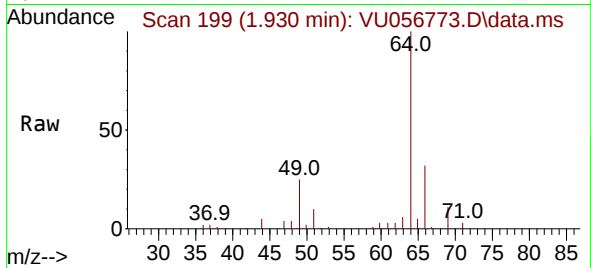




#8
Chloroethane
Concen: 5.055 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

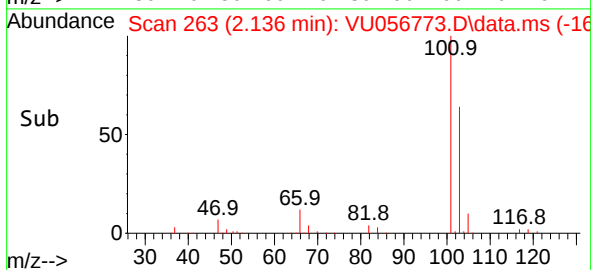
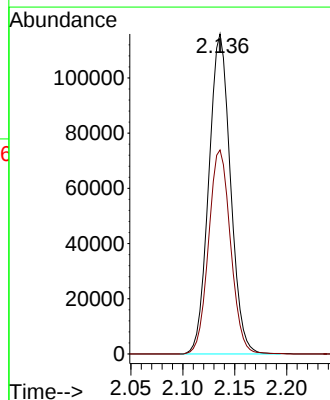
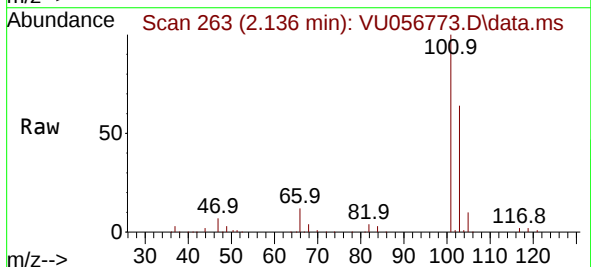
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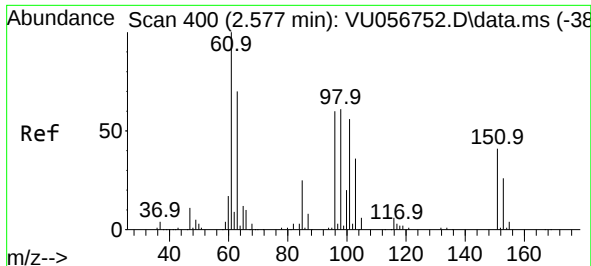
Tgt Ion: 64 Resp: 74389
Ion Ratio Lower Upper
64 100
66 31.8 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.747 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Tgt Ion:101 Resp: 168052
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.2

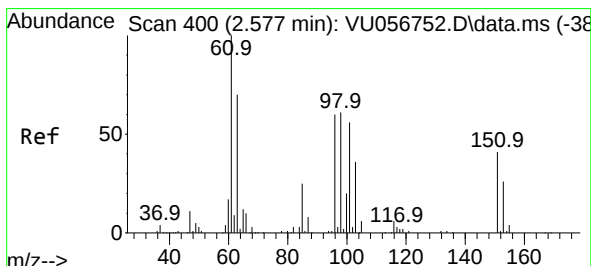
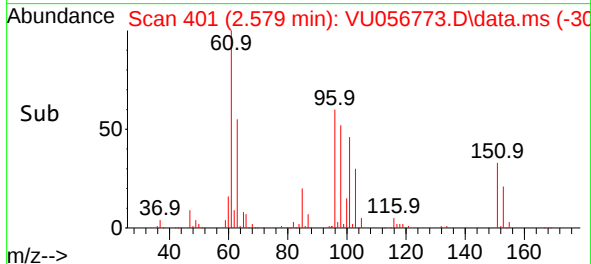
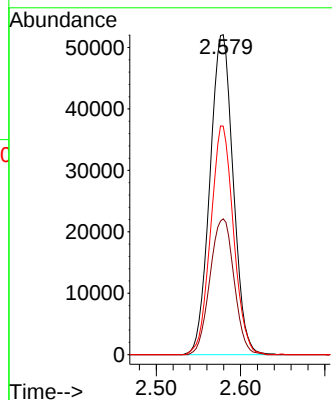
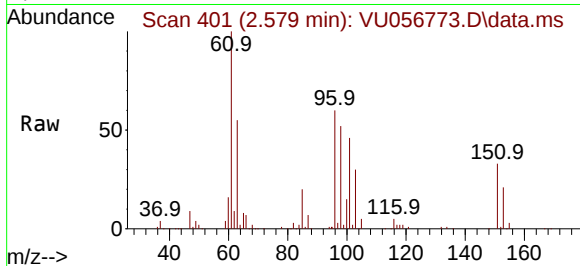




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.605 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

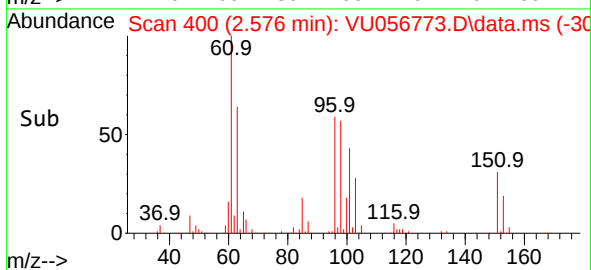
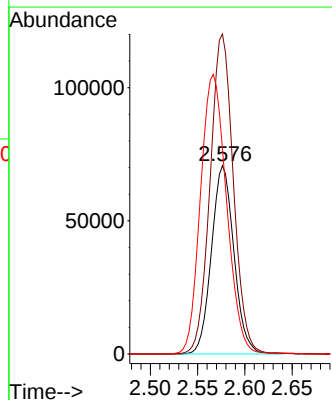
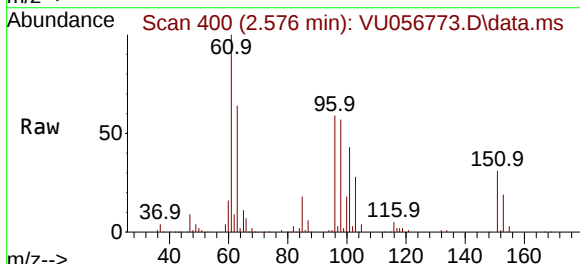
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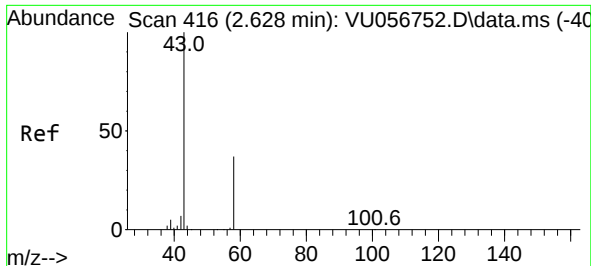
Tgt Ion:101 Resp: 99991
Ion Ratio Lower Upper
101 100
85 43.8 35.2 52.8
151 70.3 56.0 84.0



#12
1,1-Dichloroethene
Concen: 5.859 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Tgt Ion: 96 Resp: 116788
Ion Ratio Lower Upper
96 100
61 169.9 119.0 221.0
63 109.0 88.7 164.7





#13

Acetone

Concen: 44.209 ug/L

RT: 2.621 min Scan# 41

Delta R.T. -0.007 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

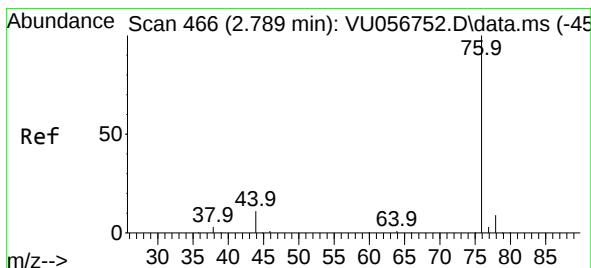
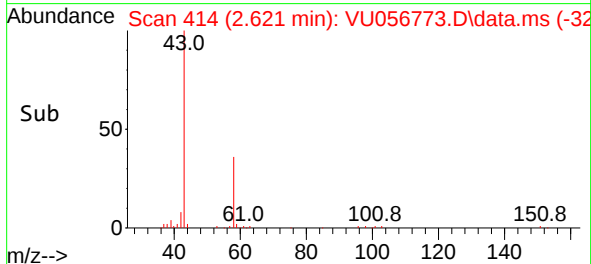
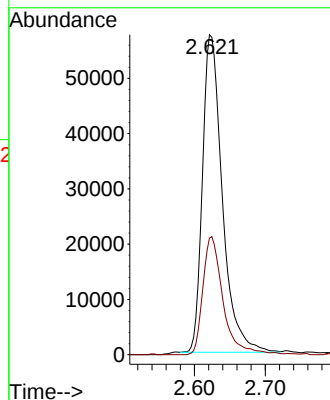
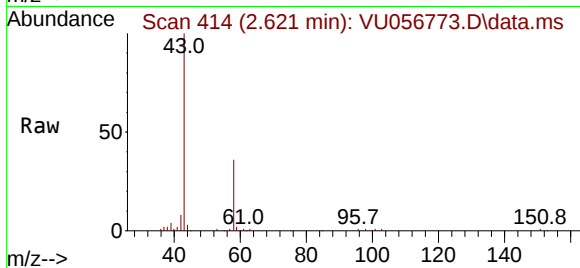
H0AB0MS

Tgt Ion: 43 Resp: 111970

Ion Ratio Lower Upper

43 100

58 37.5 0.0 72.6



#14

Carbon disulfide

Concen: 4.615 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056773.D

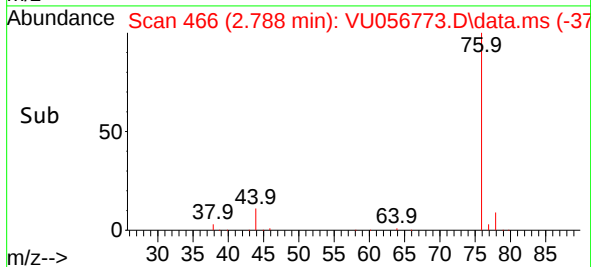
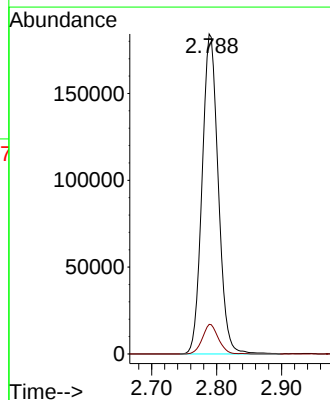
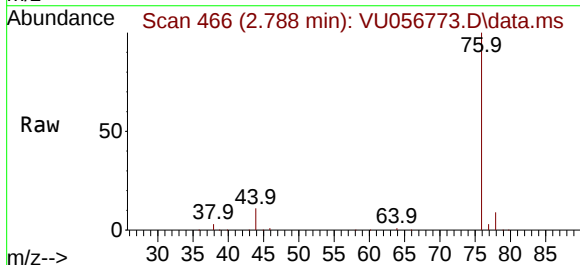
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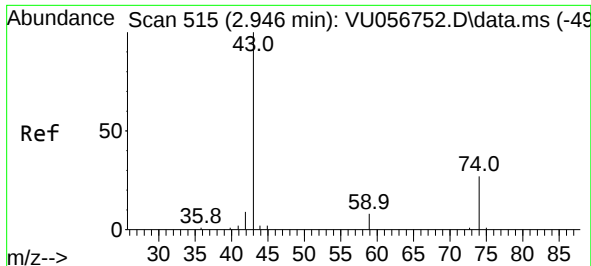
Tgt Ion: 76 Resp: 319157

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

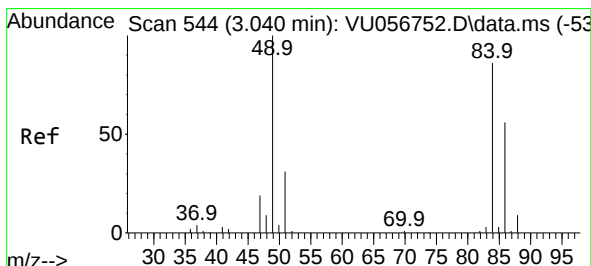
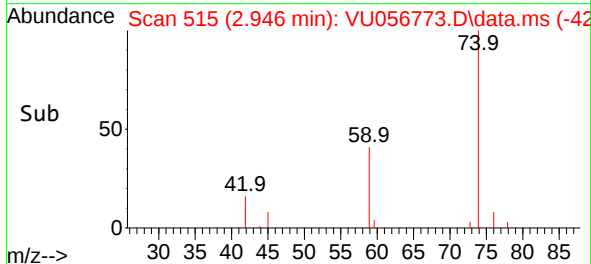
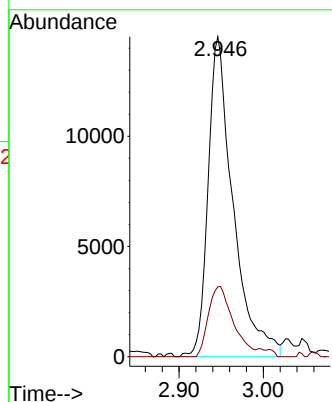
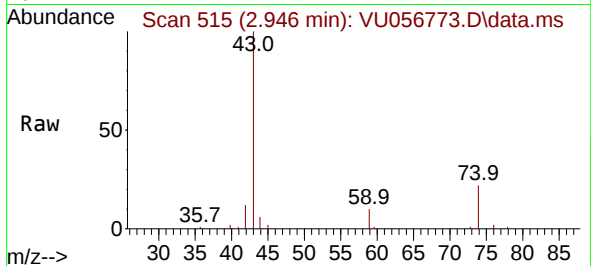




#15
Methyl Acetate
Concen: 4.331 ug/L
RT: 2.946 min Scan# 515
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

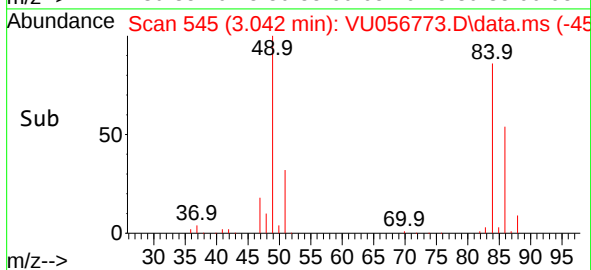
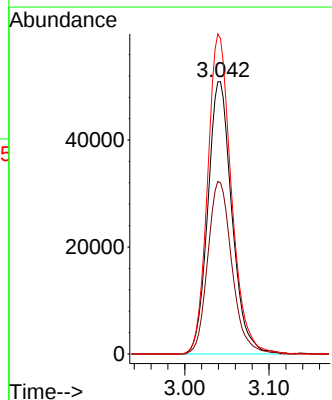
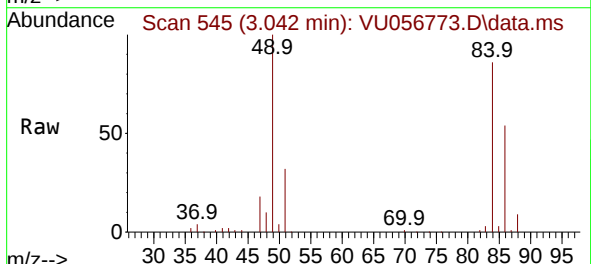
Instrument :
MSVOA_U
ClientSampleId :
H0AB0MS

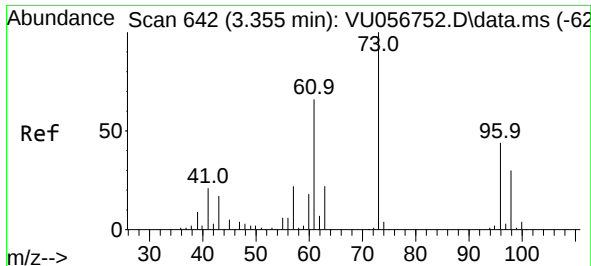
Tgt Ion: 43 Resp: 29861
Ion Ratio Lower Upper
43 100
74 21.8 21.0 31.6



#16
Methylene chloride
Concen: 4.656 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Tgt Ion: 84 Resp: 101107
Ion Ratio Lower Upper
84 100
86 62.9 43.6 81.0
49 115.8 80.6 149.6

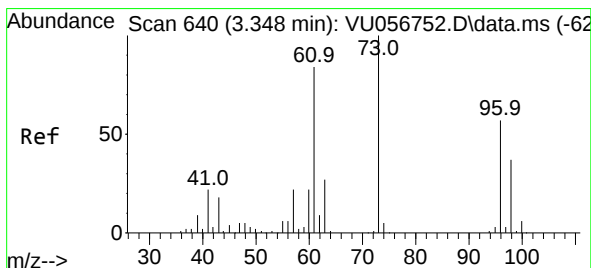
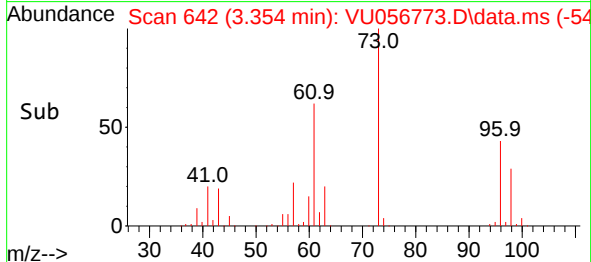
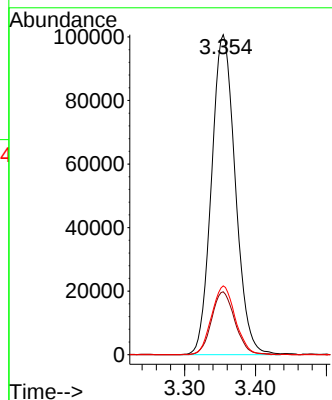
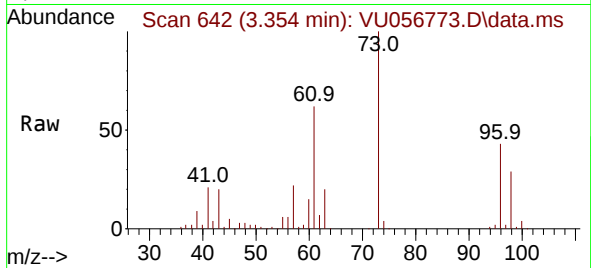




#17
Methyl tert-butyl Ether
Concen: 5.315 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

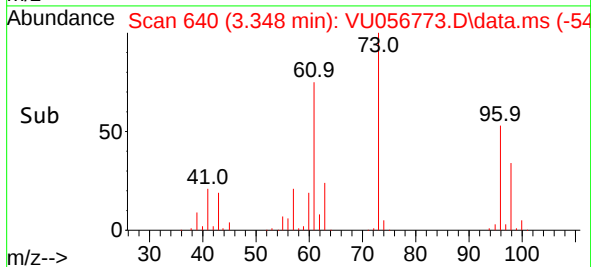
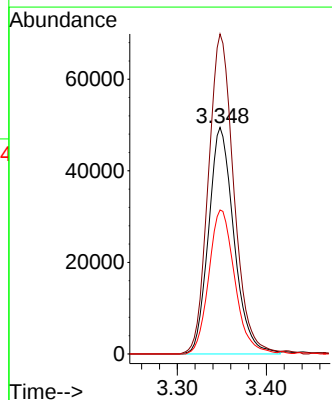
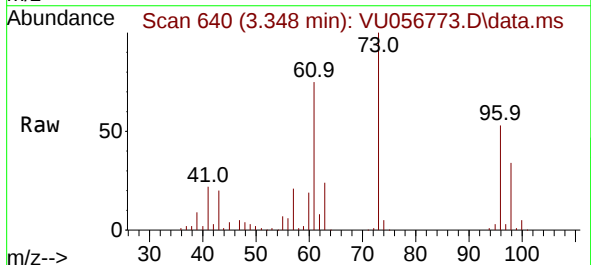
Instrument :
MSVOA_U
ClientSampleId :
H0AB0MS

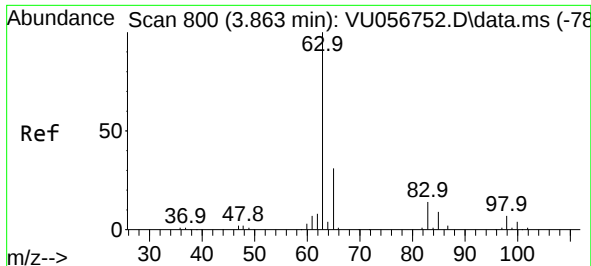
Tgt Ion: 73 Resp: 234896
Ion Ratio Lower Upper
73 100
43 19.4 14.4 21.6
57 21.4 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.844 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Tgt Ion: 96 Resp: 97900
Ion Ratio Lower Upper
96 100
61 141.3 101.8 189.0
98 63.6 43.0 79.8





#19

1,1-Dichloroethane

Concen: 5.125 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

H0AB0MS

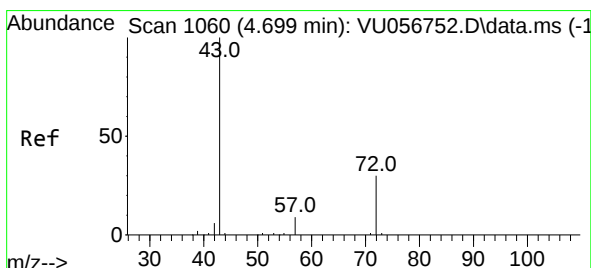
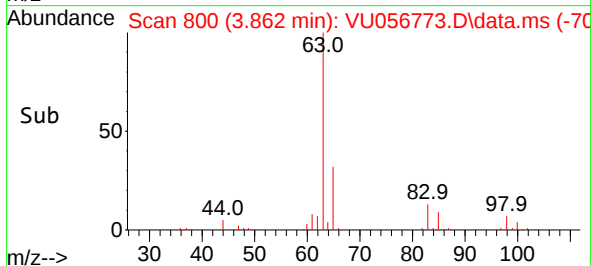
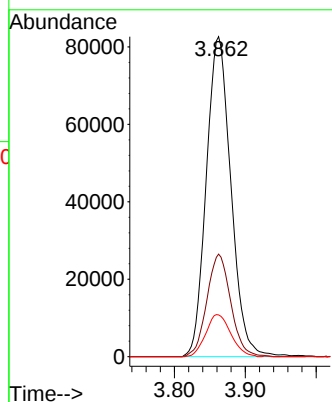
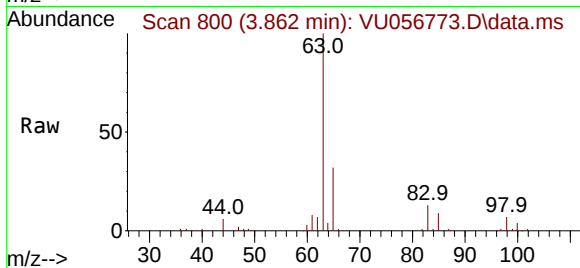
Tgt Ion: 63 Resp: 199216

Ion Ratio Lower Upper

63 100

65 32.1 22.9 42.5

83 13.1 10.1 18.9



#21

2-Butanone

Concen: 45.561 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. -0.004 min

Lab File: VU056773.D

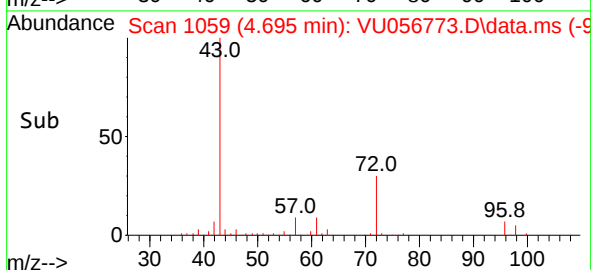
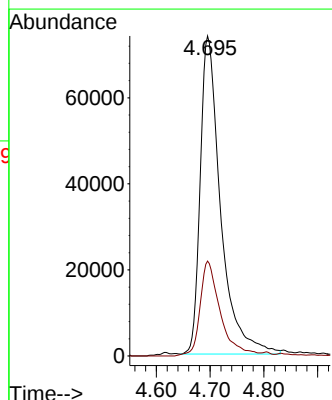
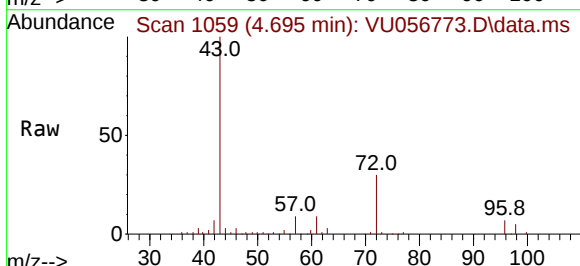
Acq: 12 Dec 2023 08:14

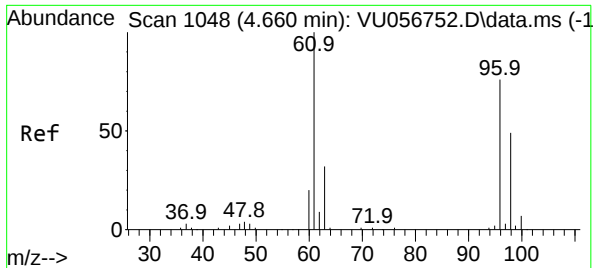
Tgt Ion: 43 Resp: 194601

Ion Ratio Lower Upper

43 100

72 29.5 14.6 43.8



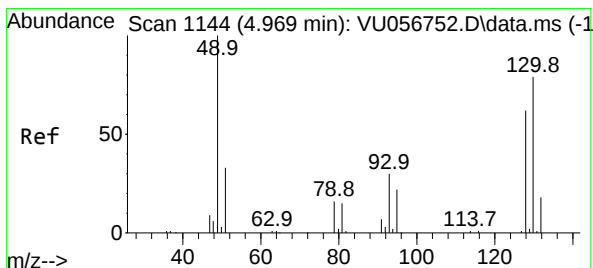
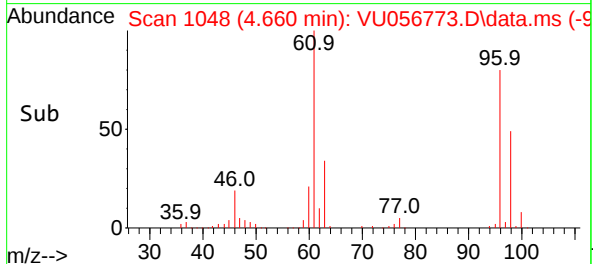
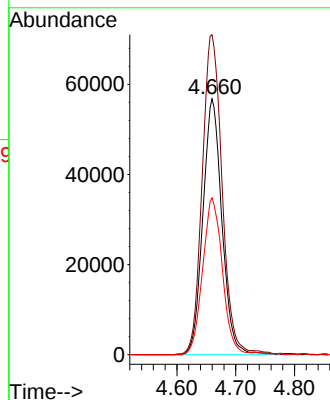
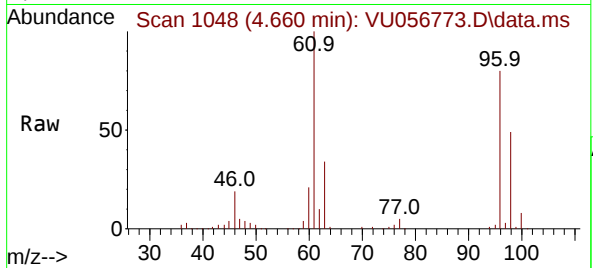


#22
 cis-1,2-Dichloroethene
 Concen: 5.809 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056773.D
 Acq: 12 Dec 2023 08:14

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AB0MS

Tgt Ion: 96 Resp: 127712

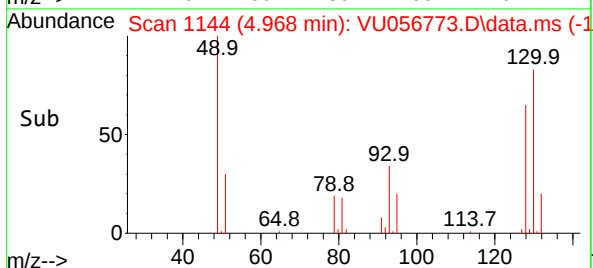
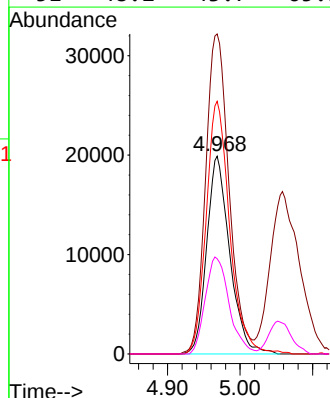
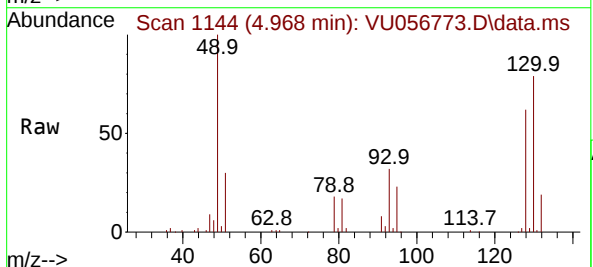
Ion	Ratio	Lower	Upper
96	100		
61	125.1	91.3	169.6
98	61.3	44.2	82.0

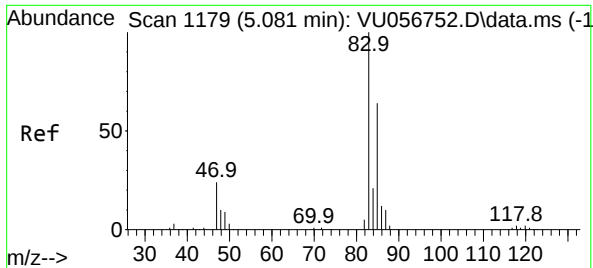


#23
 Bromochloromethane
 Concen: 4.773 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU056773.D
 Acq: 12 Dec 2023 08:14

Tgt Ion: 128 Resp: 43933

Ion	Ratio	Lower	Upper
128	100		
49	161.8	113.8	211.3
130	127.7	90.6	168.3
51	48.2	43.7	65.5





#25

Chloroform

Concen: 4.971 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

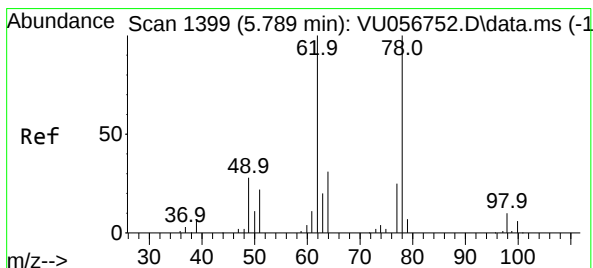
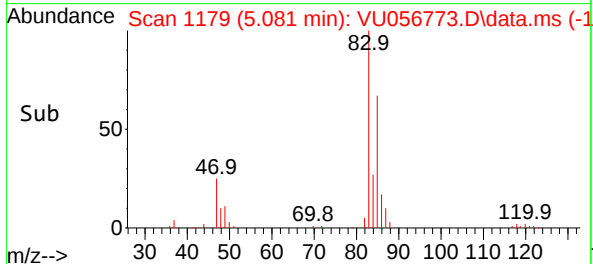
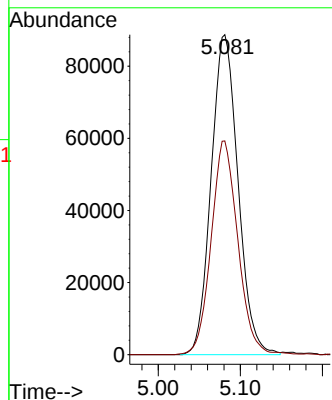
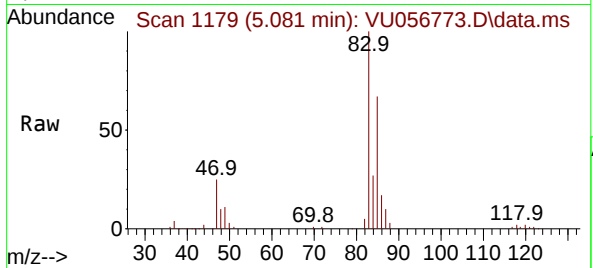
H0AB0MS

Tgt Ion: 83 Resp: 202456

Ion Ratio Lower Upper

83 100

85 66.8 45.8 85.0



#27

1,2-Dichloroethane

Concen: 4.821 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.004 min

Lab File: VU056773.D

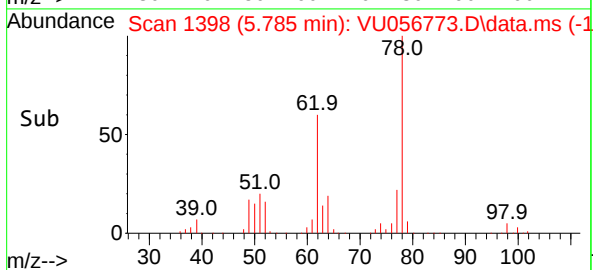
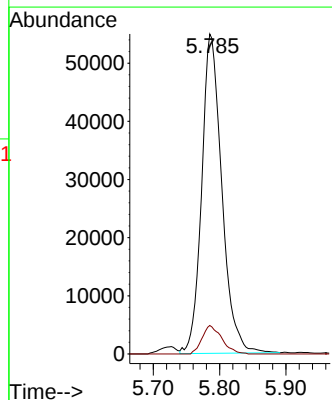
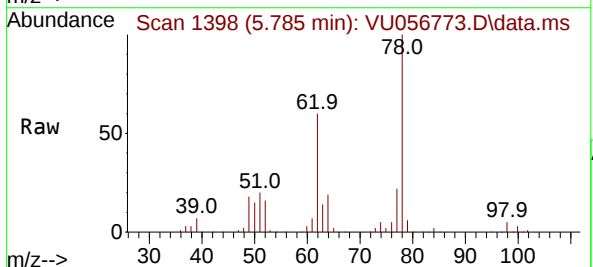
Acq: 12 Dec 2023 08:14

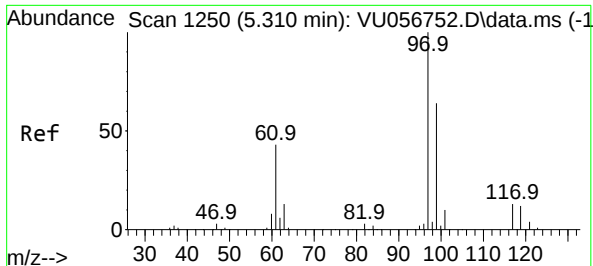
Tgt Ion: 62 Resp: 116107

Ion Ratio Lower Upper

62 100

98 8.9 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.970 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

H0AB0MS

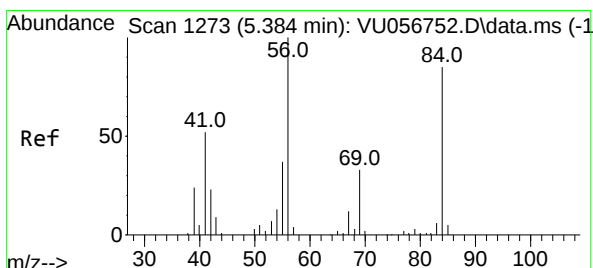
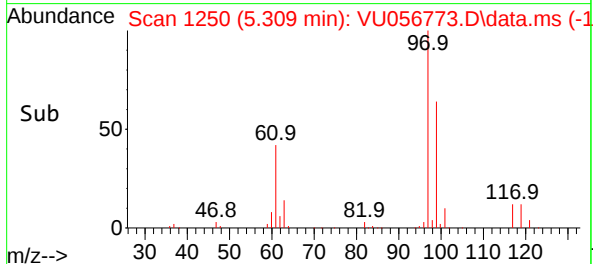
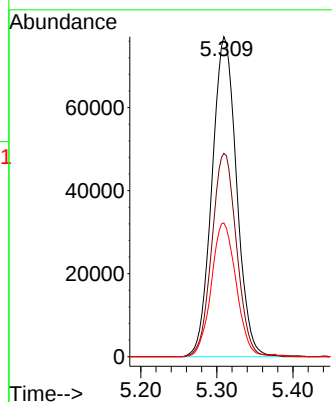
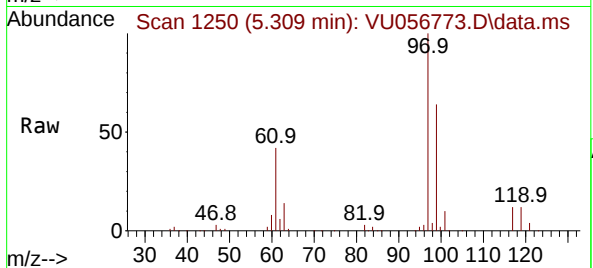
Tgt Ion: 97 Resp: 173200

Ion Ratio Lower Upper

97 100

99 63.8 52.5 78.7

61 42.1 34.2 51.2



#30

Cyclohexane

Concen: 4.706 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

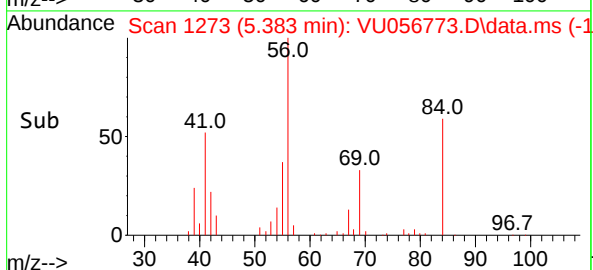
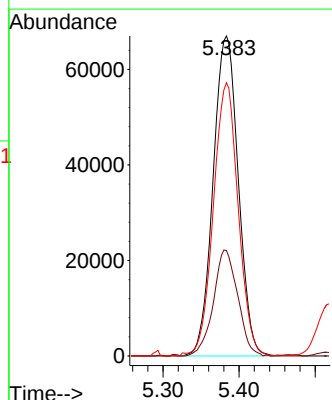
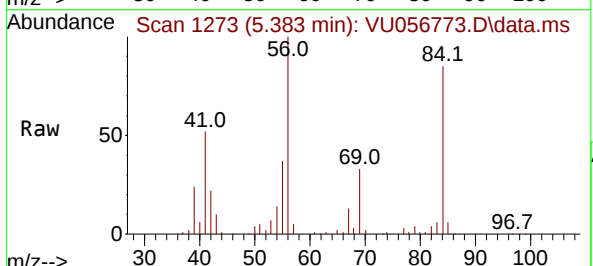
Tgt Ion: 56 Resp: 153932

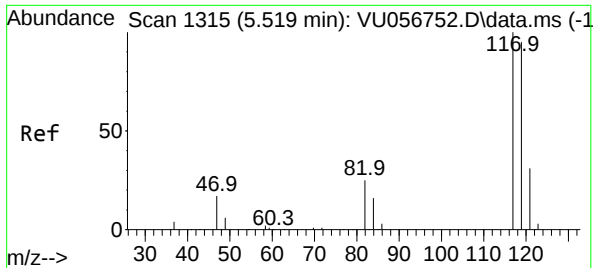
Ion Ratio Lower Upper

56 100

69 32.1 24.9 37.3

84 84.2 67.6 101.4

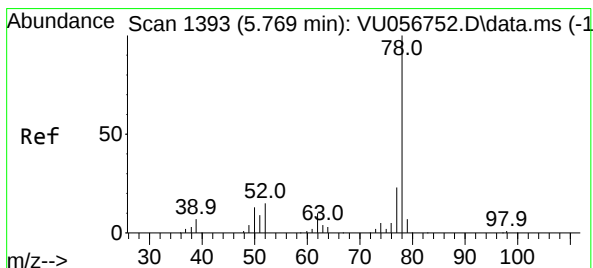
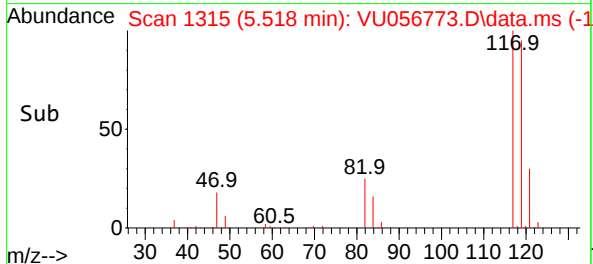
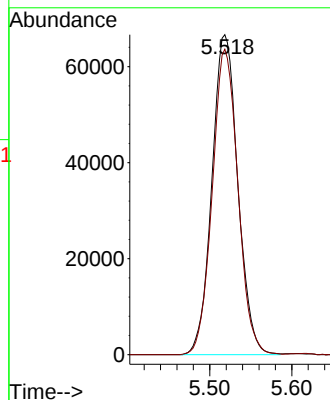
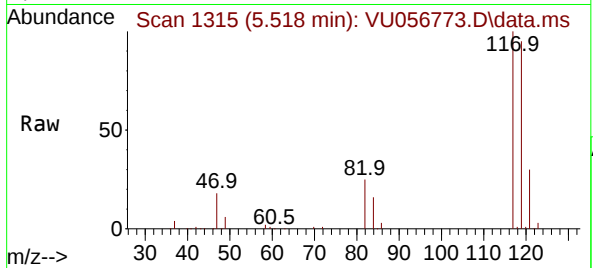




#31
Carbon tetrachloride
Concen: 4.837 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

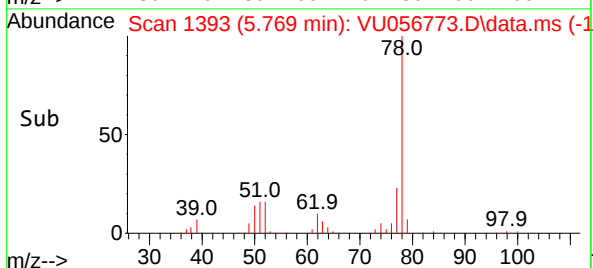
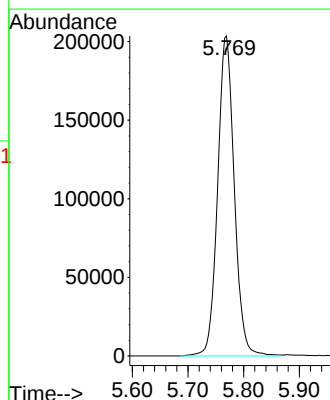
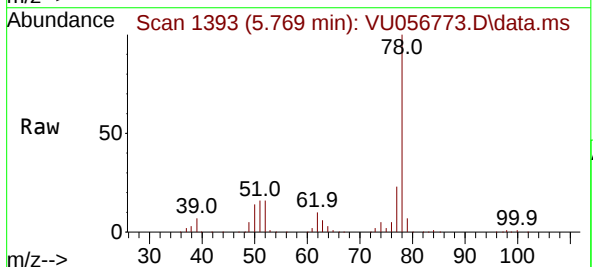
Instrument :
MSVOA_U
ClientSampleId :
H0AB0MS

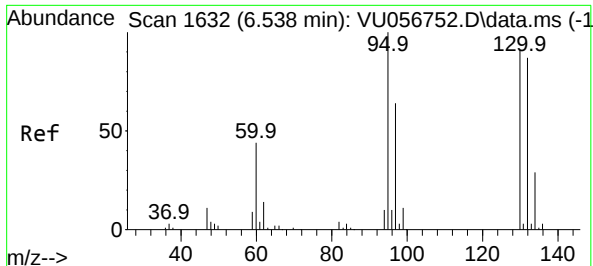
Tgt Ion:117 Resp: 146531
Ion Ratio Lower Upper
117 100
119 94.6 76.2 114.4



#33
Benzene
Concen: 4.995 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Tgt Ion: 78 Resp: 423192





#34

Trichloroethene

Concen: 14.830 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.004 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

H0AB0MS

Tgt Ion: 95 Resp: 344681

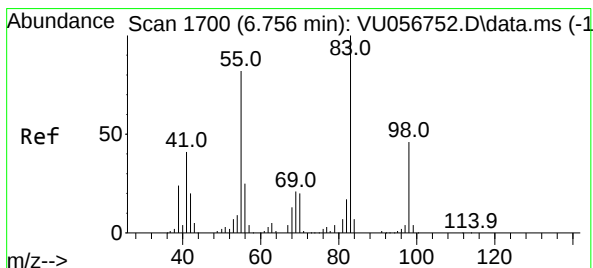
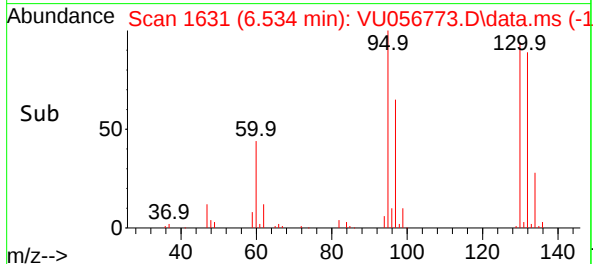
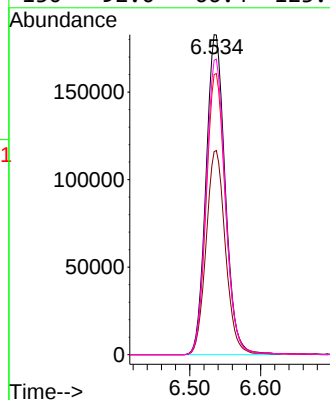
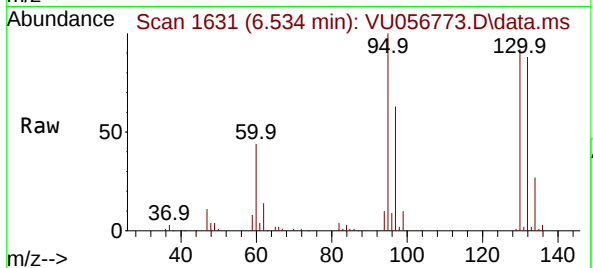
Ion Ratio Lower Upper

95 100

97 63.4 46.1 85.5

132 87.5 63.6 118.0

130 92.0 66.4 123.4



#35

Methylcyclohexane

Concen: 4.582 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

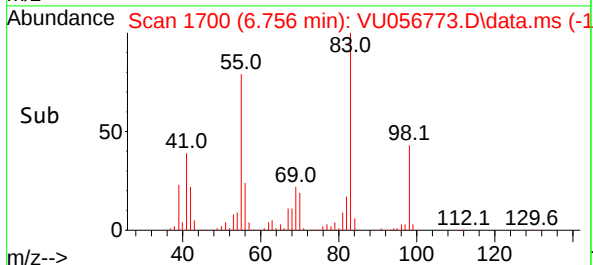
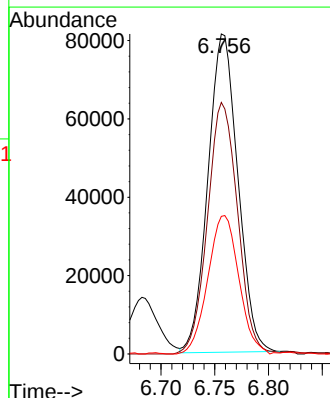
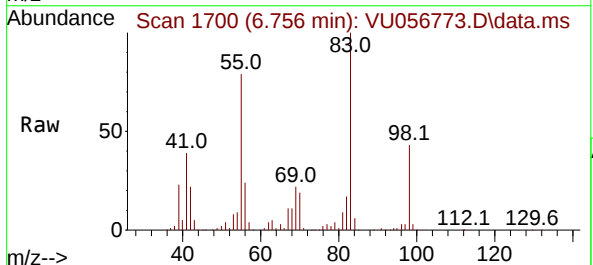
Tgt Ion: 83 Resp: 157176

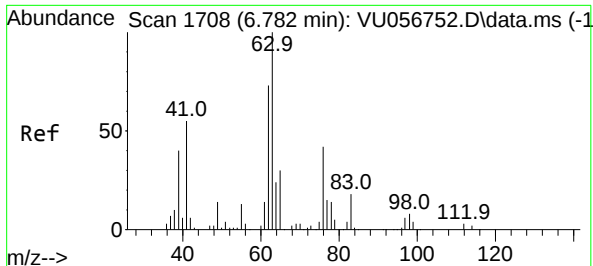
Ion Ratio Lower Upper

83 100

55 79.5 64.6 97.0

98 45.1 36.1 54.1





#37

1,2-Dichloropropane

Concen: 4.852 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

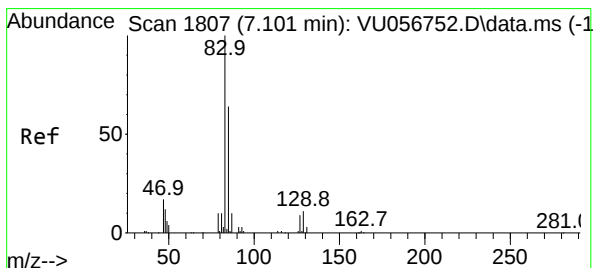
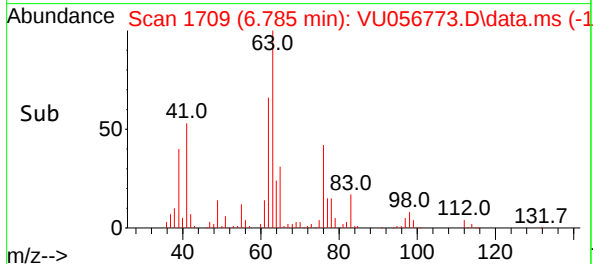
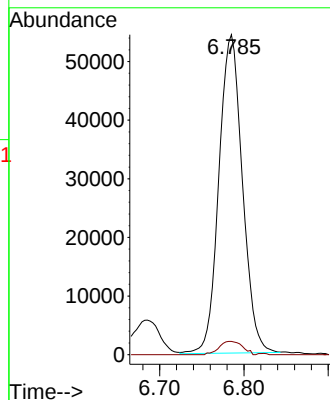
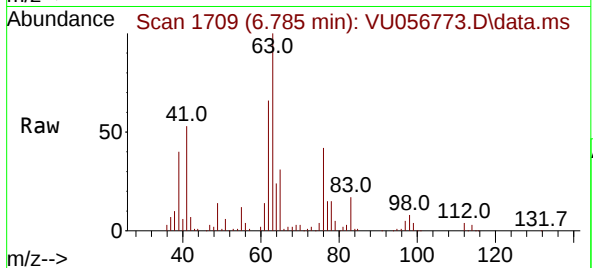
H0AB0MS

Tgt Ion: 63 Resp: 105167

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 4.828 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.004 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

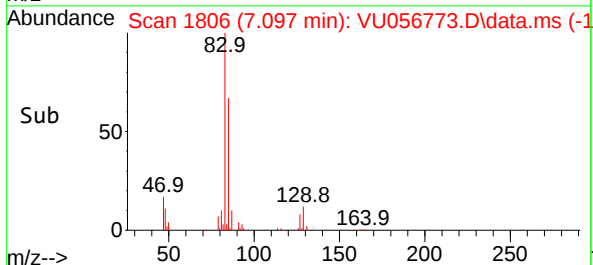
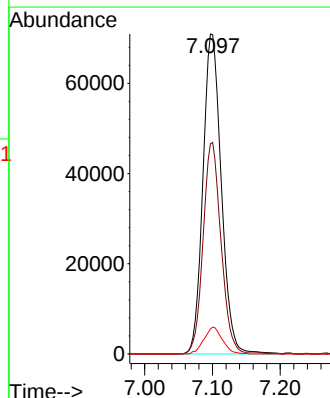
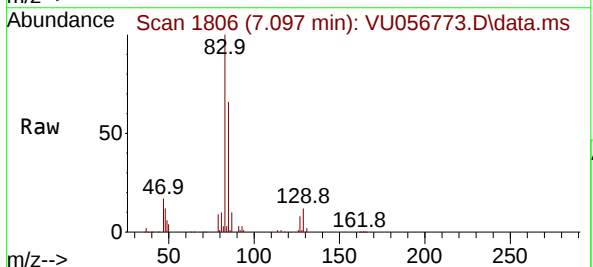
Tgt Ion: 83 Resp: 133443

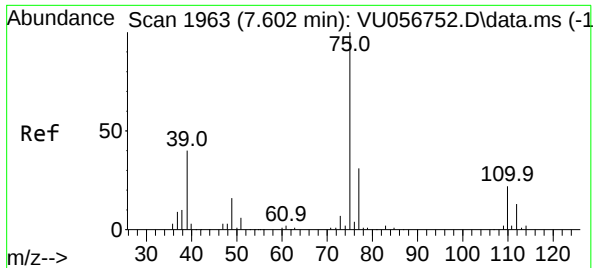
Ion Ratio Lower Upper

83 100

85 65.7 45.0 83.6

127 7.8 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.600 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

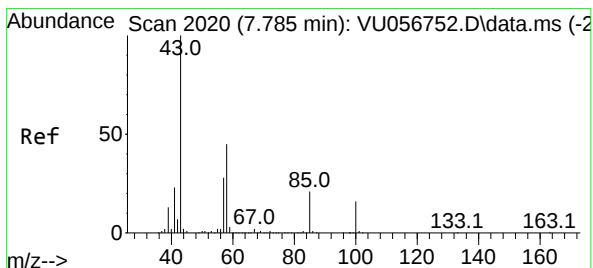
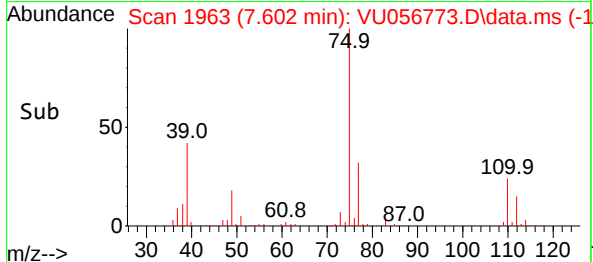
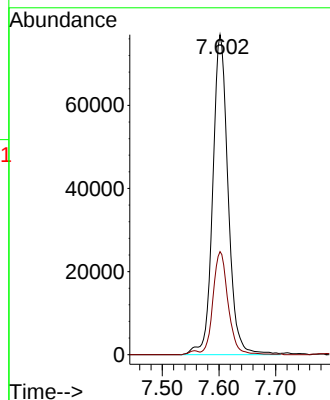
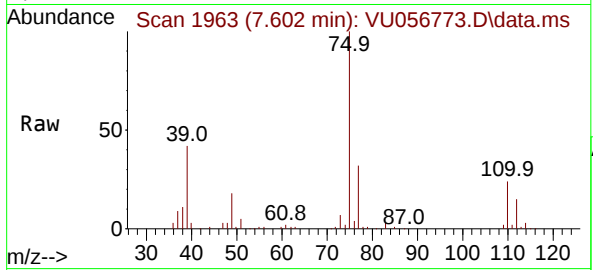
H0AB0MS

Tgt Ion: 75 Resp: 145308

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 48.153 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

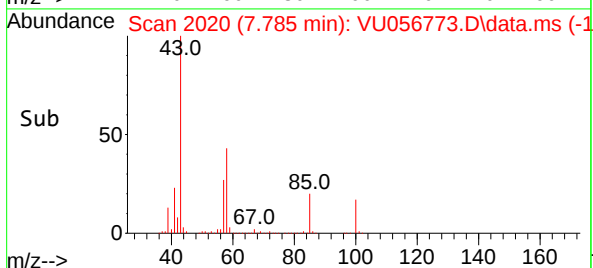
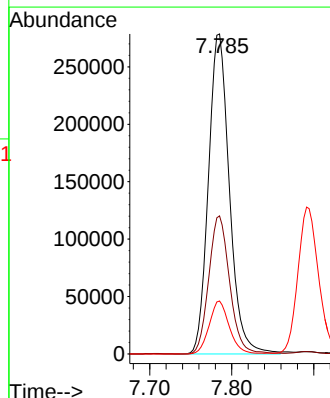
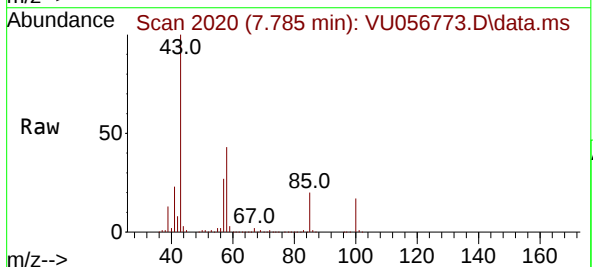
Tgt Ion: 43 Resp: 495592

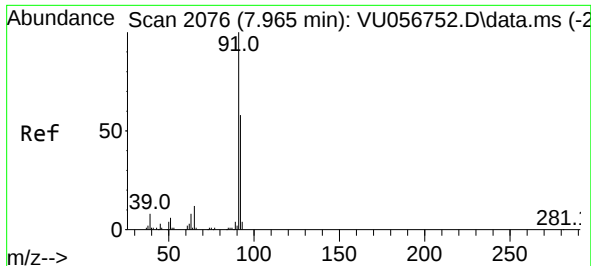
Ion Ratio Lower Upper

43 100

58 43.0 33.7 50.5

100 16.0 13.0 19.4





#42

Toluene

Concen: 5.013 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

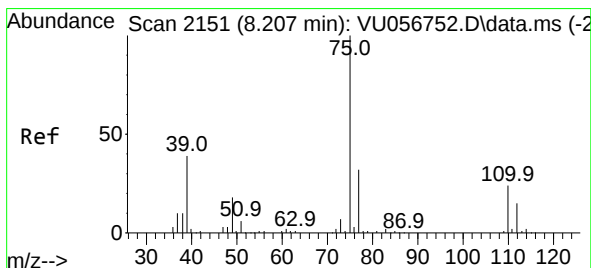
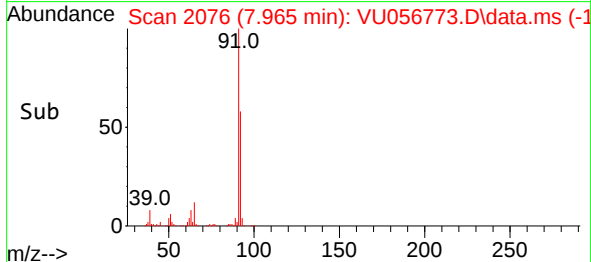
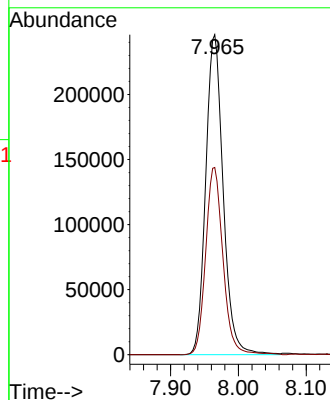
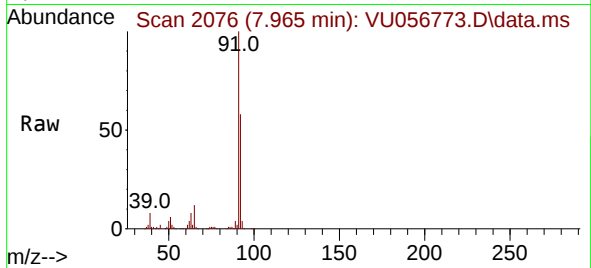
H0AB0MS

Tgt Ion: 91 Resp: 439456

Ion Ratio Lower Upper

91 100

92 58.5 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.619 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056773.D

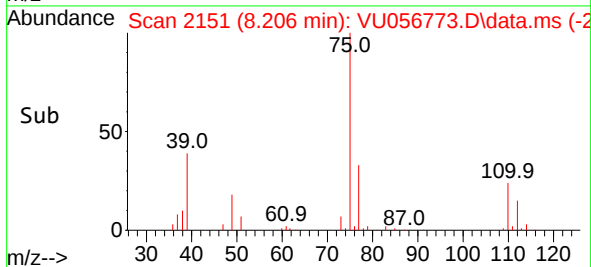
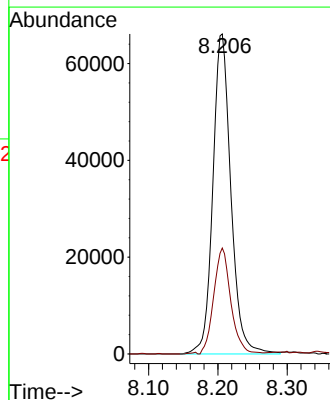
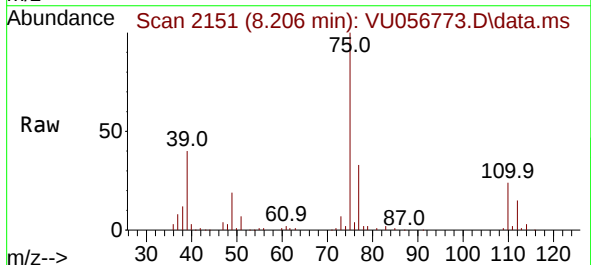
Acq: 12 Dec 2023 08:14

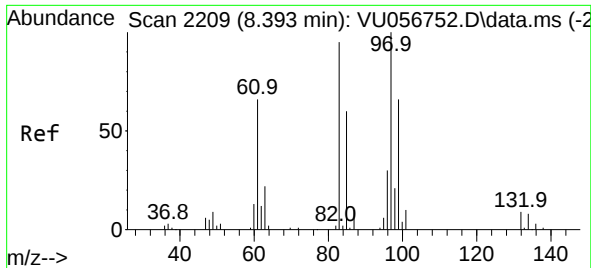
Tgt Ion: 75 Resp: 119589

Ion Ratio Lower Upper

75 100

77 33.1 21.8 40.4

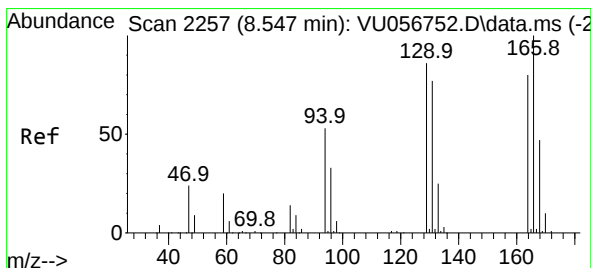
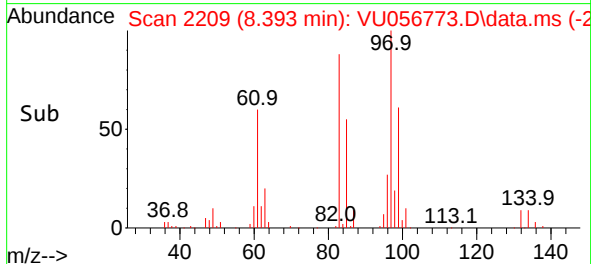
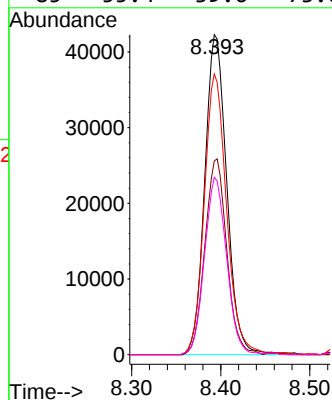
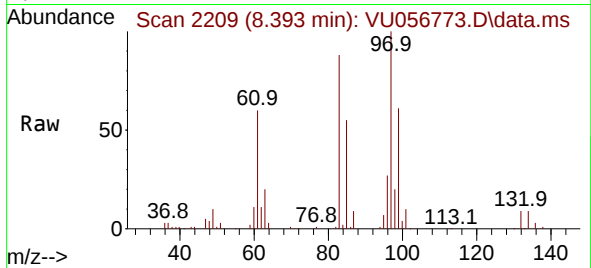




#45
1,1,2-Trichloroethane
Concen: 4.942 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

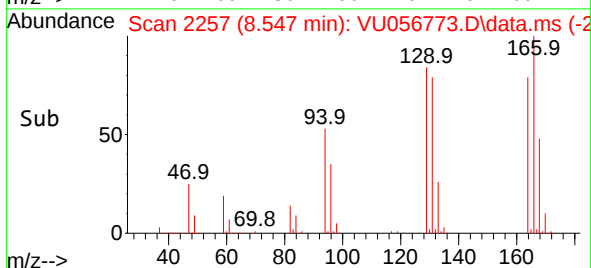
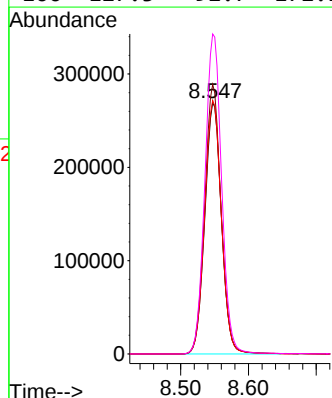
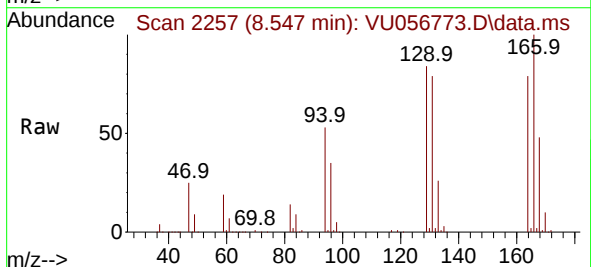
Instrument : MSVOA_U
ClientSampleId : H0AB0MS

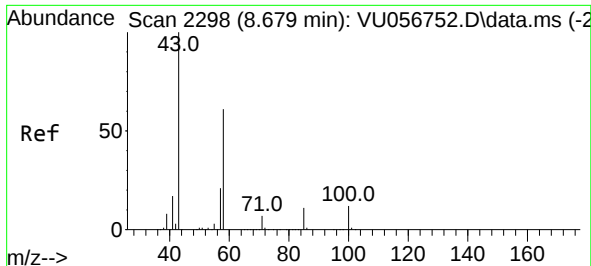
Tgt Ion: 97	Resp: 72415
Ion Ratio	Lower Upper
97 100	
99 60.5	41.9 77.9
83 87.7	59.1 109.7
85 55.4	39.6 73.6



#47
Tetrachloroethene
Concen: 28.228 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Tgt	Ion:164	Resp:	459173
Ion	Ratio	Lower	Upper
164	100		
129	107.3	73.4	136.4
131	100.9	71.5	132.9
166	127.3	92.7	172.1



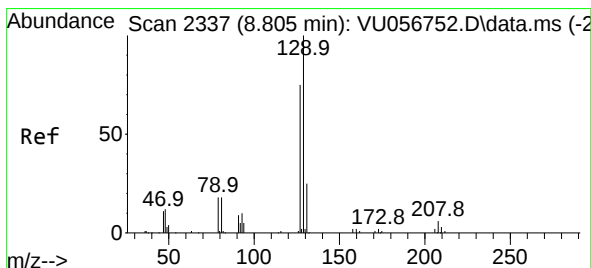
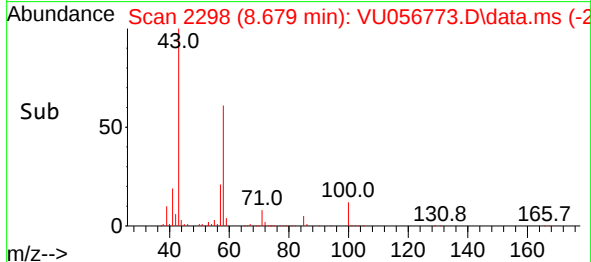
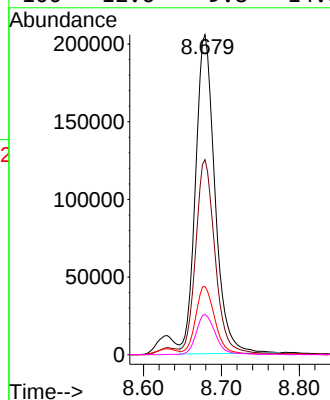
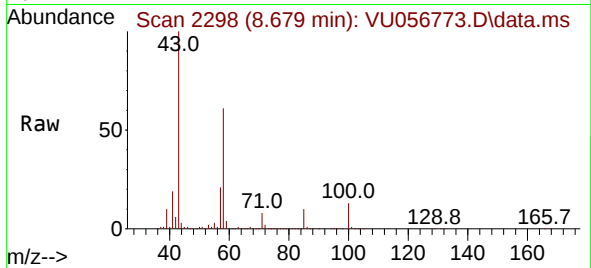


#48
2-Hexanone
Concen: 48.489 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Instrument :
MSVOA_U
ClientSampleId :
H0AB0MS

Tgt Ion: 43 Resp: 355439

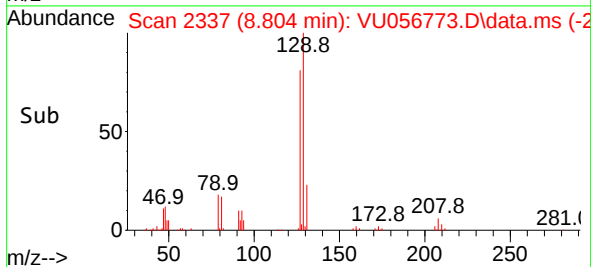
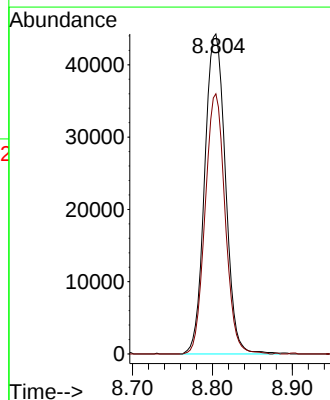
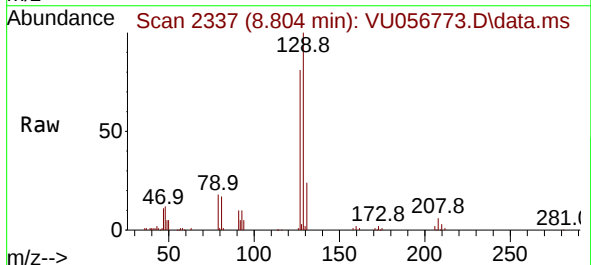
Ion	Ratio	Lower	Upper
43	100		
58	61.3	47.5	71.3
57	21.2	17.0	25.4
100	12.6	9.8	14.8

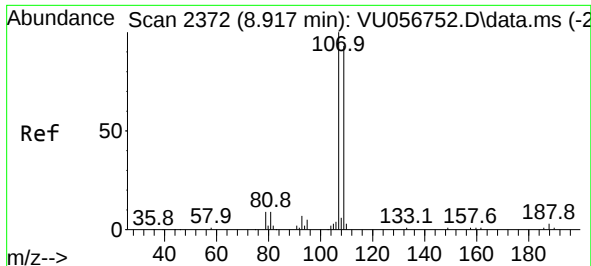


#49
Dibromochloromethane
Concen: 4.744 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Tgt Ion: 129 Resp: 79905

Ion	Ratio	Lower	Upper
129	100		
127	81.3	53.9	100.1

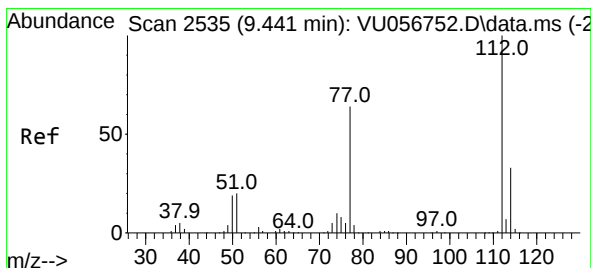
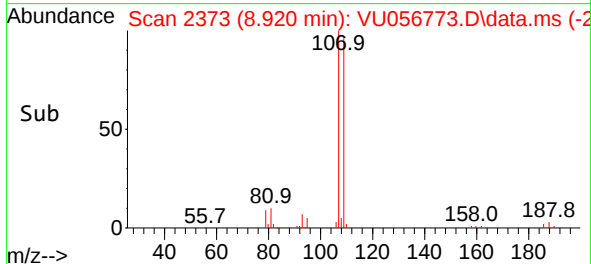
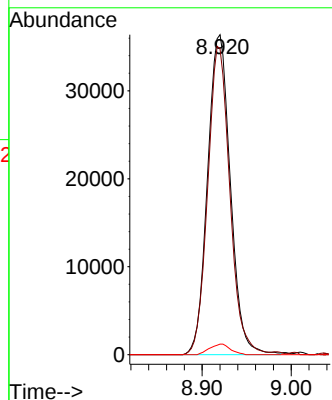
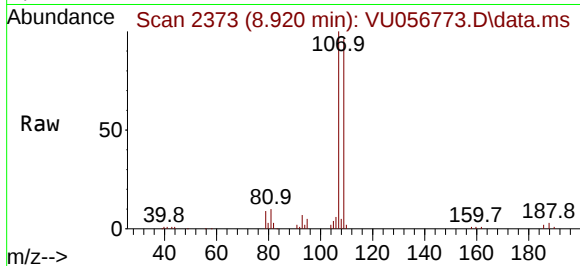




#50
1,2-Dibromoethane
Concen: 4.763 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

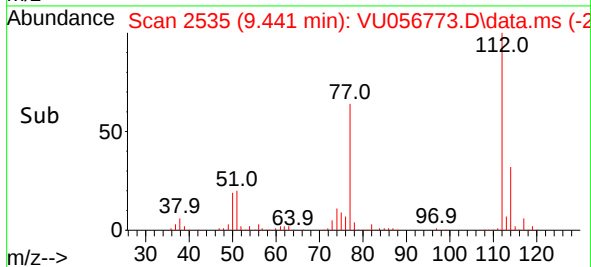
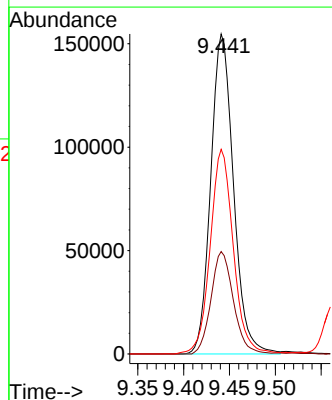
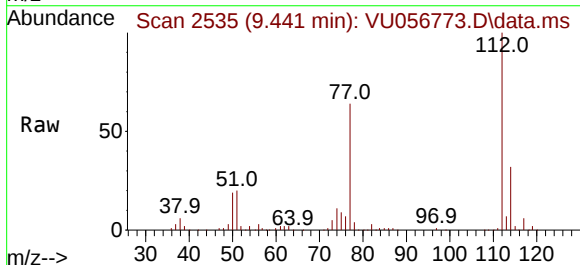
Instrument :
MSVOA_U
ClientSampleId :
H0AB0MS

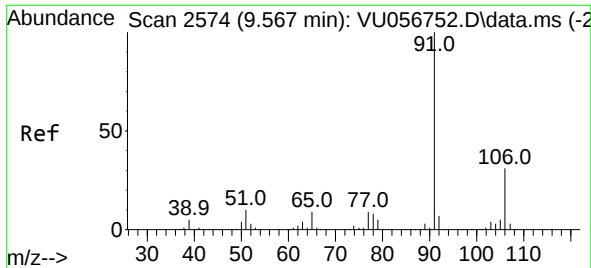
Tgt Ion:107 Resp: 64777
Ion Ratio Lower Upper
107 100
109 95.6 66.5 123.5
188 3.3 2.9 4.3



#51
Chlorobenzene
Concen: 4.778 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Tgt Ion:112 Resp: 267000
Ion Ratio Lower Upper
112 100
114 32.0 21.9 40.7
77 64.0 51.6 77.4

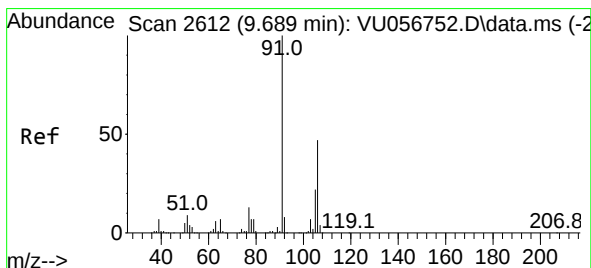
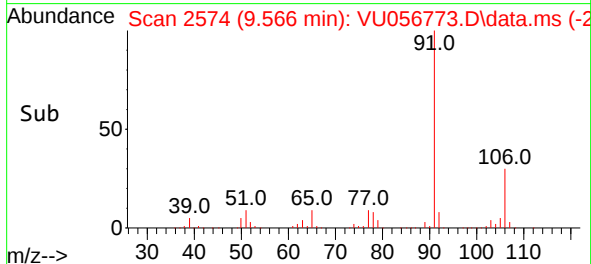
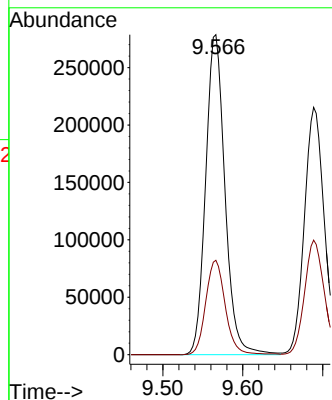
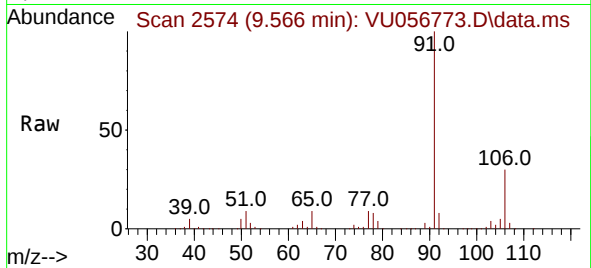




#52
Ethylbenzene
Concen: 4.850 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

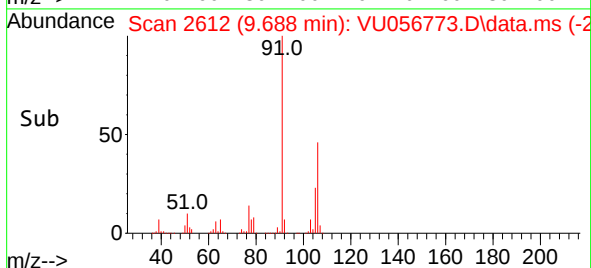
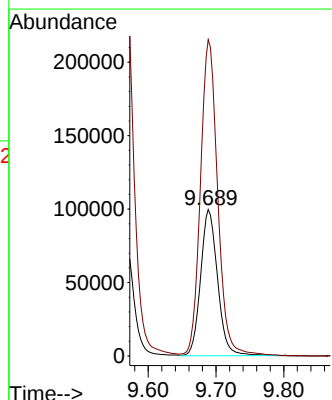
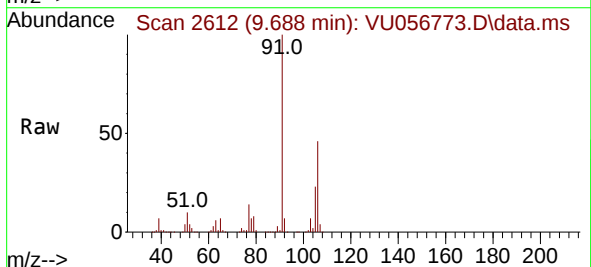
Instrument :
MSVOA_U
ClientSampleId :
H0AB0MS

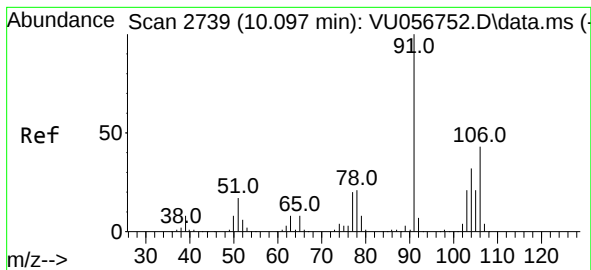
Tgt Ion: 91 Resp: 469079
Ion Ratio Lower Upper
91 100
106 29.5 20.6 38.4



#53
m,p-Xylene
Concen: 4.808 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Tgt Ion: 106 Resp: 173254
Ion Ratio Lower Upper
106 100
91 216.1 154.0 286.0





#54

o-Xylene

Concen: 4.871 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.004 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

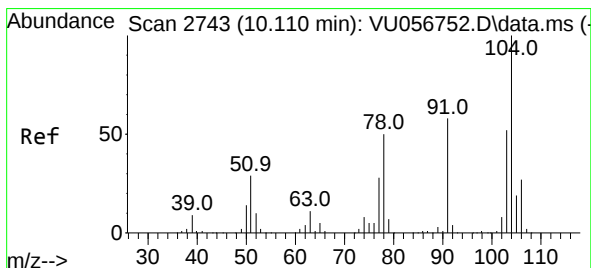
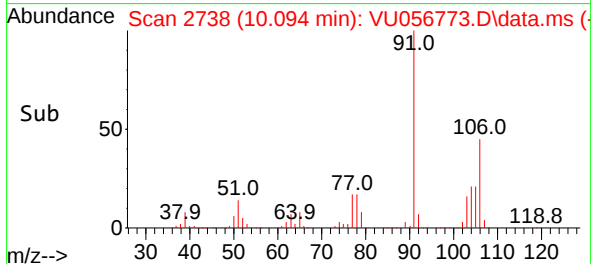
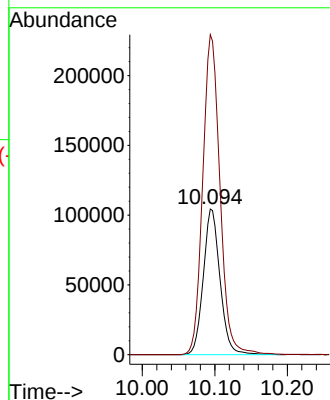
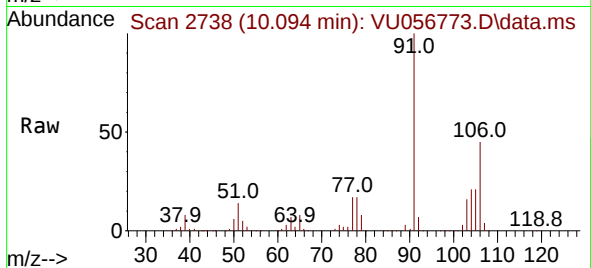
H0AB0MS

Tgt Ion:106 Resp: 167200

Ion Ratio Lower Upper

106 100

91 219.8 160.2 297.6



#55

Styrene

Concen: 4.938 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU056773.D

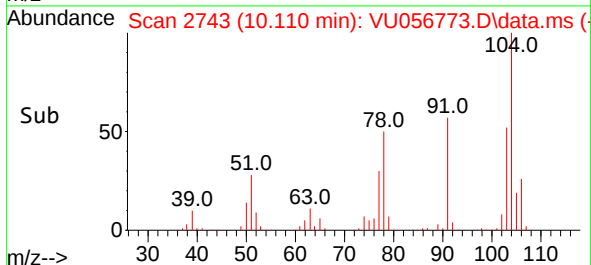
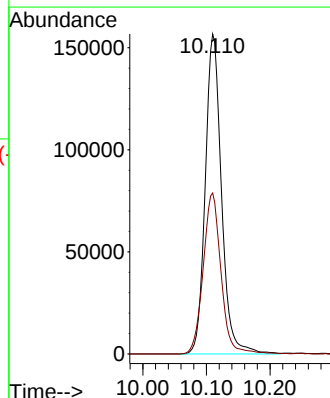
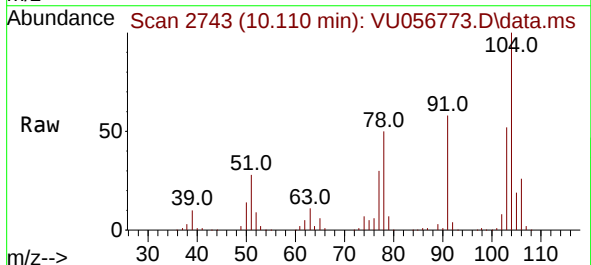
Acq: 12 Dec 2023 08:14

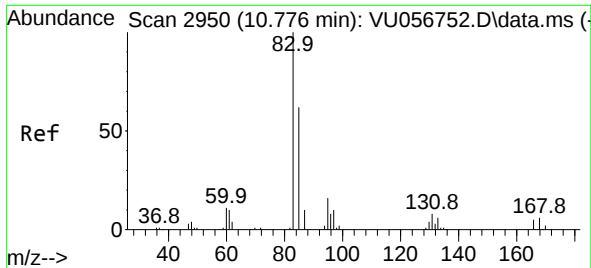
Tgt Ion:104 Resp: 278349

Ion Ratio Lower Upper

104 100

78 50.3 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.064 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

H0AB0MS

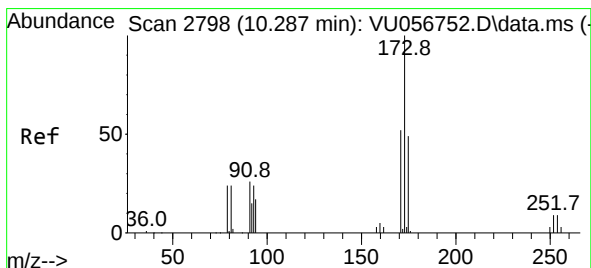
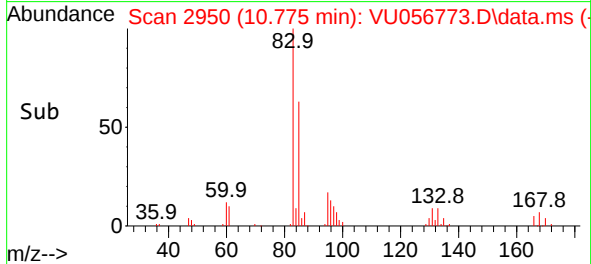
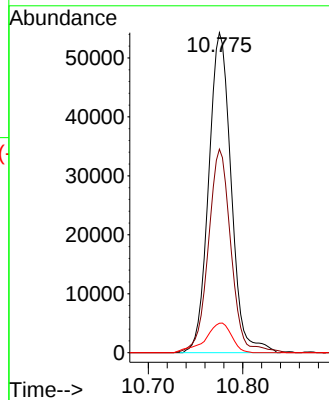
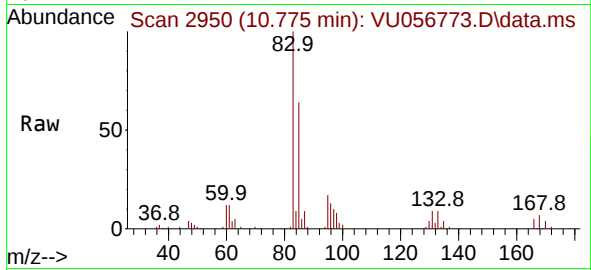
Tgt Ion: 83 Resp: 89652

Ion Ratio Lower Upper

83 100

85 63.6 45.4 84.4

131 9.2 6.6 9.8



#59

Bromoform

Concen: 4.364 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.004 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

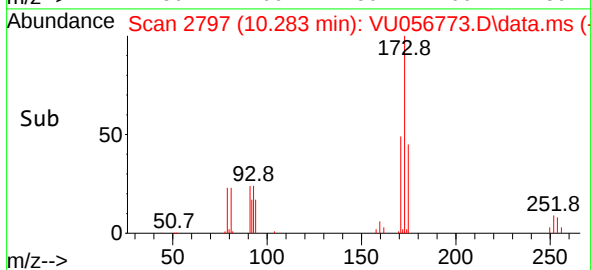
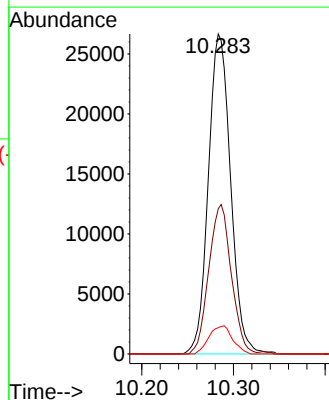
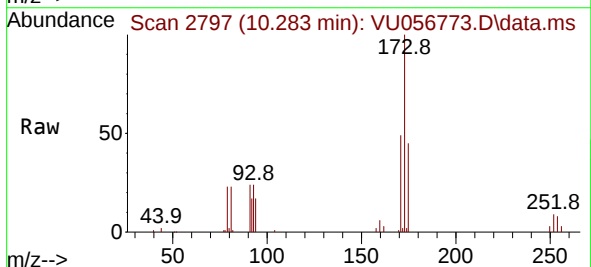
Tgt Ion:173 Resp: 45009

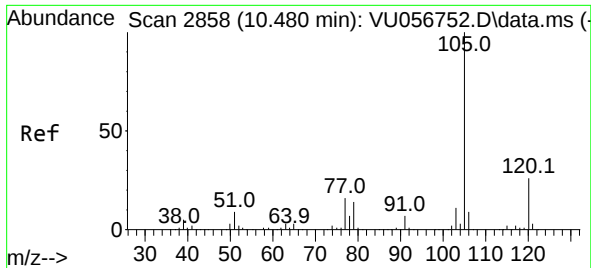
Ion Ratio Lower Upper

173 100

175 47.2 38.2 57.2

254 9.3 7.0 10.4

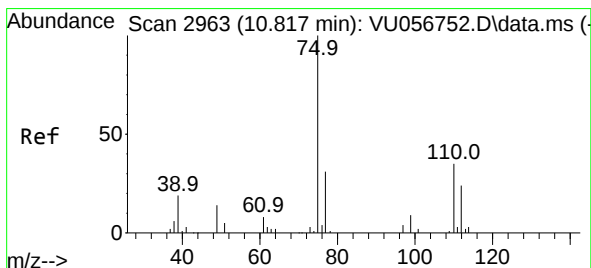
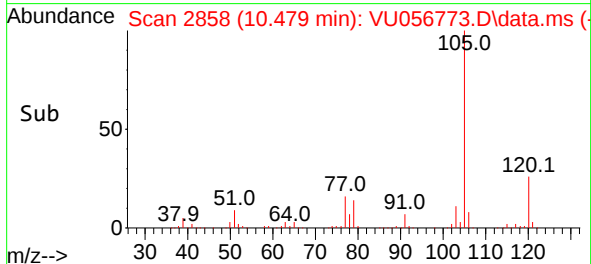
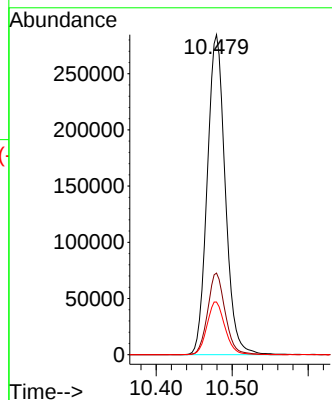
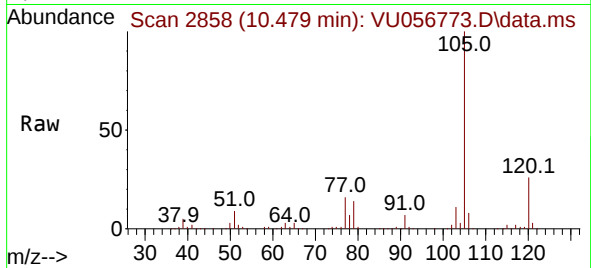




#60
Isopropylbenzene
Concen: 4.680 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

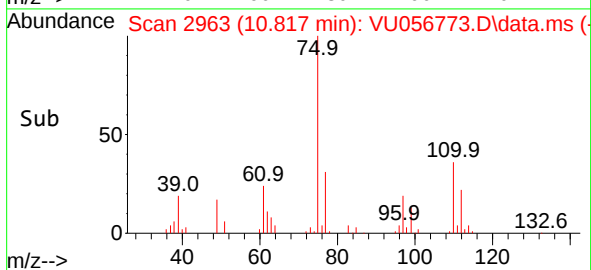
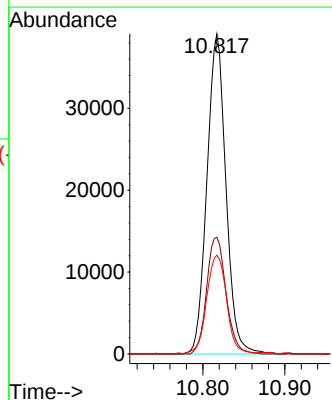
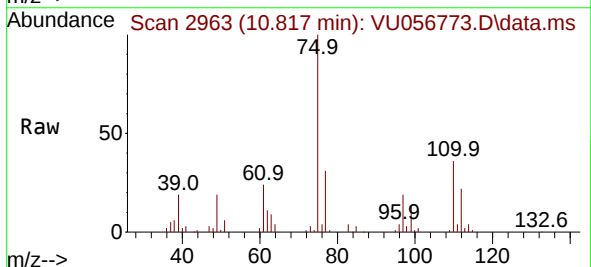
Instrument :
MSVOA_U
ClientSampleId :
H0AB0MS

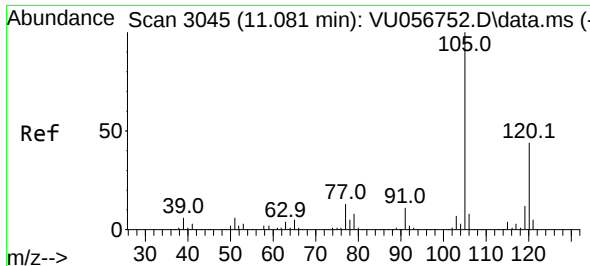
Tgt Ion:105 Resp: 466995
Ion Ratio Lower Upper
105 100
120 24.9 20.1 30.1
77 16.6 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.640 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Tgt Ion: 75 Resp: 62927
Ion Ratio Lower Upper
75 100
110 37.3 28.4 42.6
77 32.4 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 4.627 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

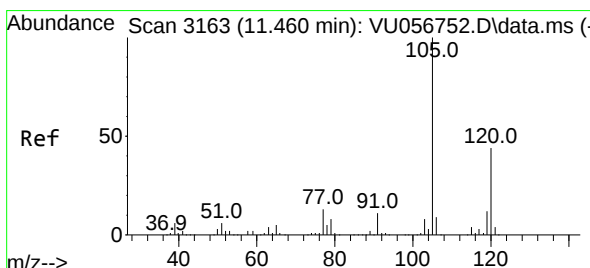
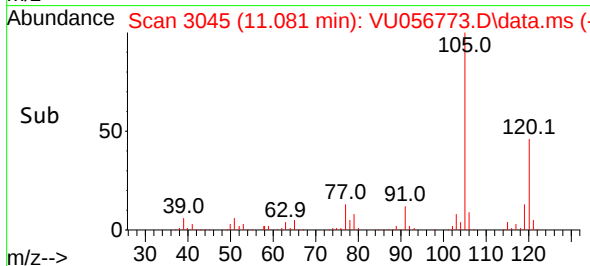
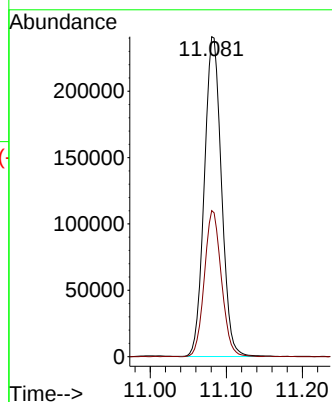
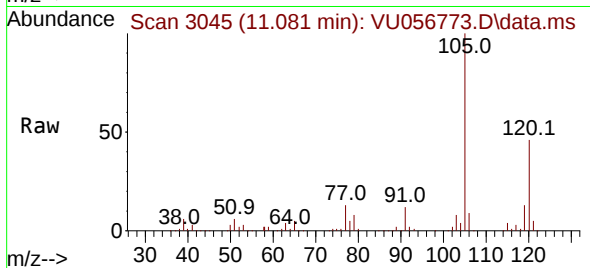
H0AB0MS

Tgt Ion:105 Resp: 377346

Ion Ratio Lower Upper

105 100

120 45.5 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 4.616 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU056773.D

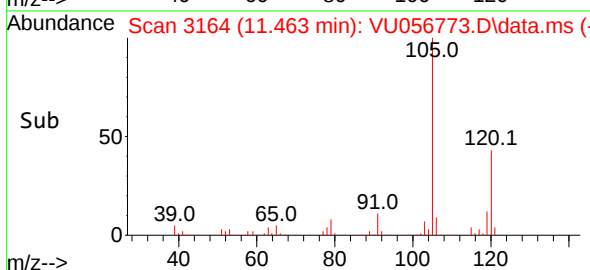
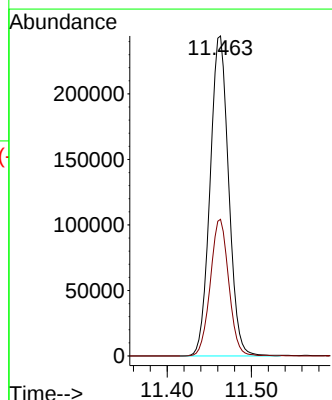
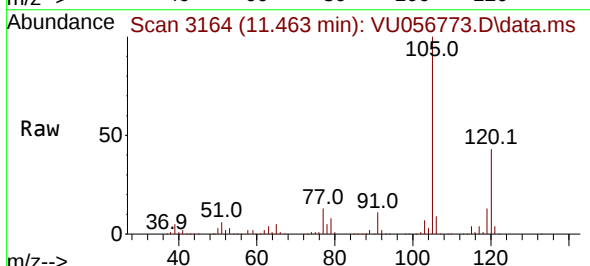
Acq: 12 Dec 2023 08:14

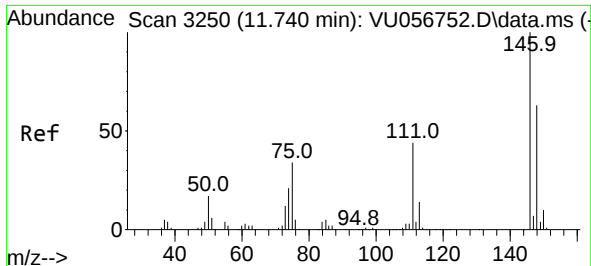
Tgt Ion:105 Resp: 373928

Ion Ratio Lower Upper

105 100

120 42.3 34.2 51.4

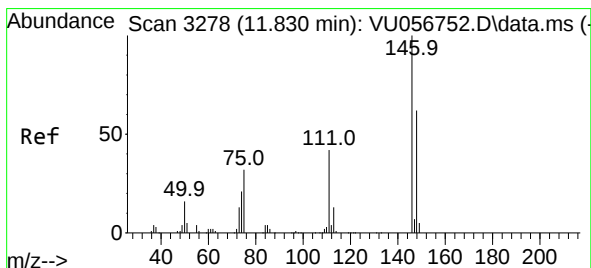
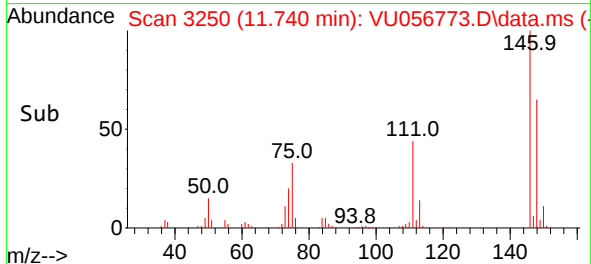
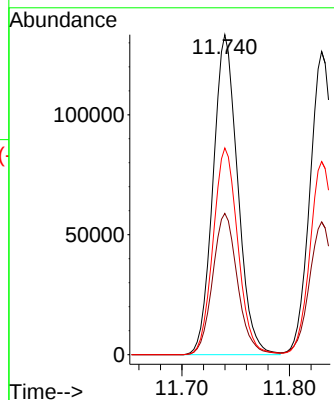
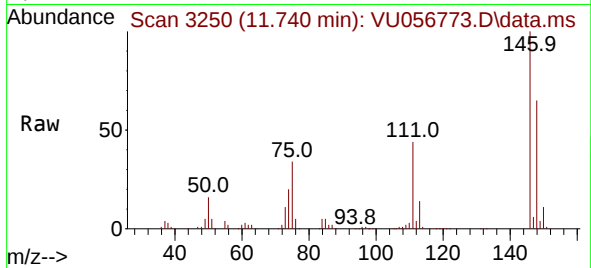




#64
1,3-Dichlorobenzene
Concen: 4.506 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

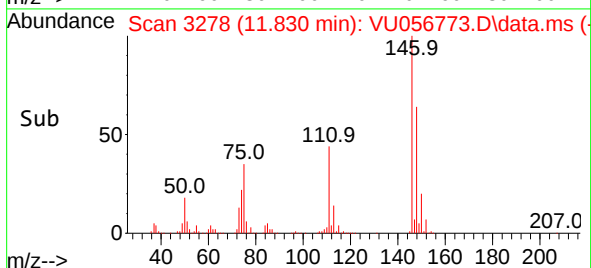
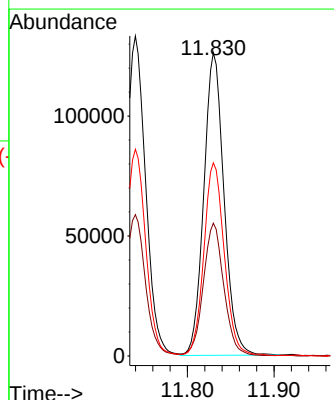
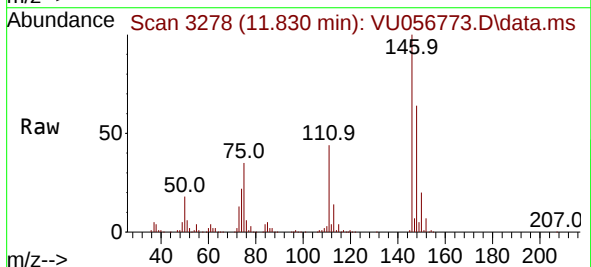
Instrument :
MSVOA_U
ClientSampleId :
H0AB0MS

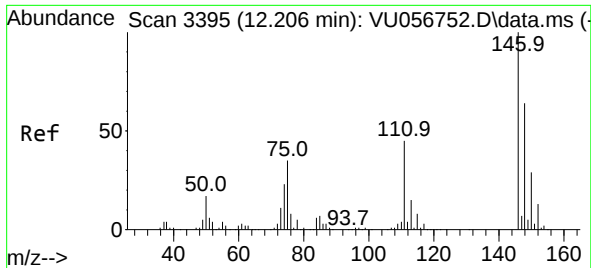
Tgt Ion:146 Resp: 212696
Ion Ratio Lower Upper
146 100
111 44.2 31.7 58.9
148 64.6 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.399 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Tgt Ion:146 Resp: 204452
Ion Ratio Lower Upper
146 100
111 43.8 31.2 58.0
148 63.7 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.587 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

H0AB0MS

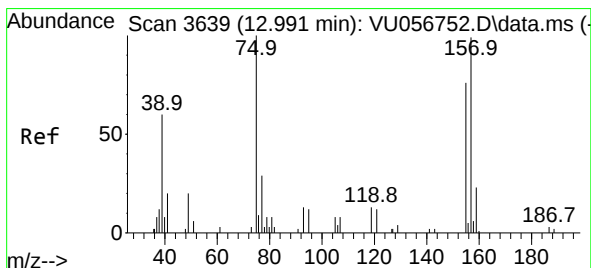
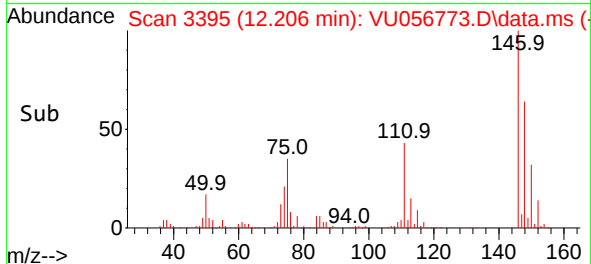
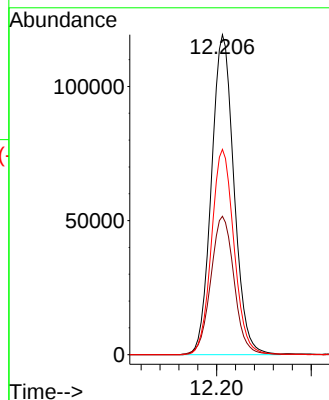
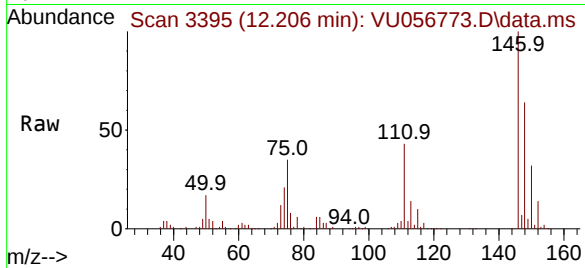
Tgt Ion:146 Resp: 197272

Ion Ratio Lower Upper

146 100

111 43.2 36.9 55.3

148 64.1 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.522 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

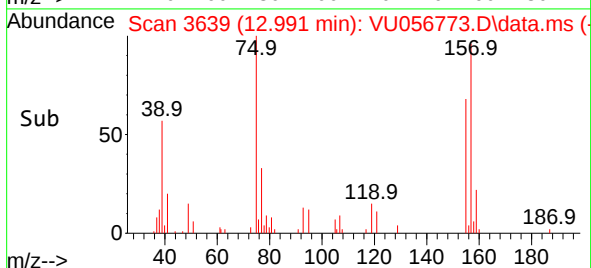
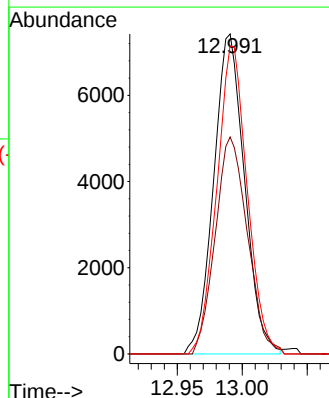
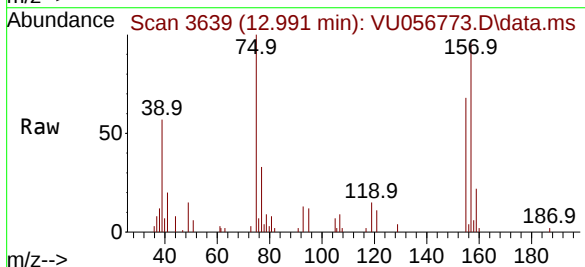
Tgt Ion: 75 Resp: 12245

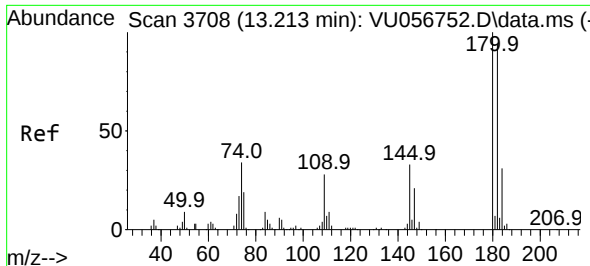
Ion Ratio Lower Upper

75 100

155 67.8 55.4 83.2

157 96.3 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 4.176 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

Instrument :

MSVOA_U

ClientSampleId :

H0AB0MS

Tgt Ion:180 Resp: 148959

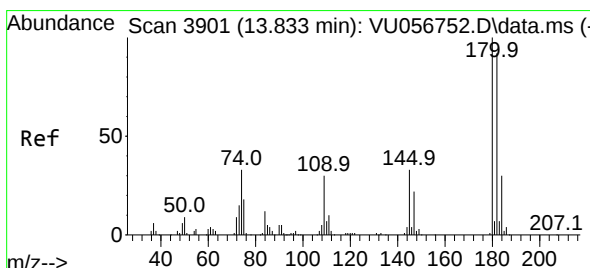
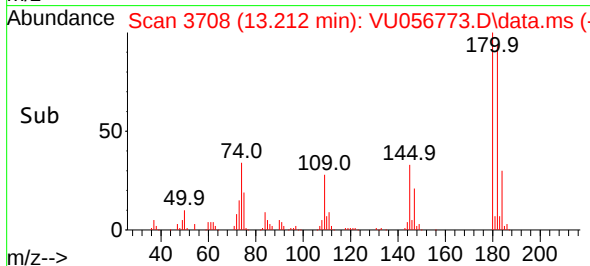
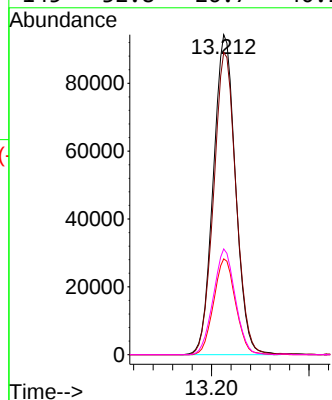
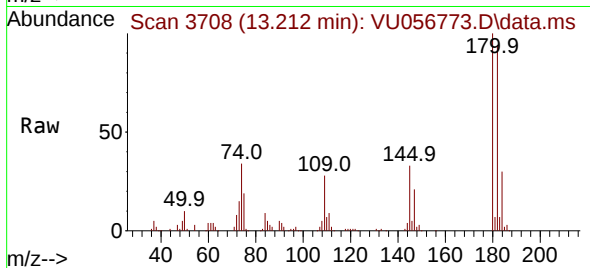
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

184 29.6 24.6 37.0

145 32.8 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 4.039 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU056773.D

Acq: 12 Dec 2023 08:14

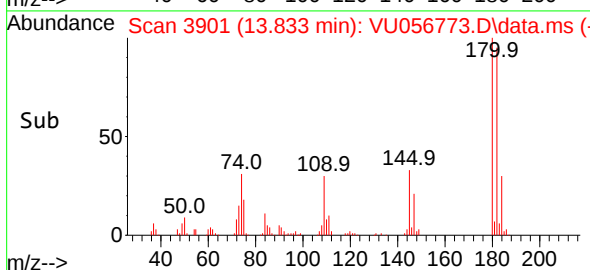
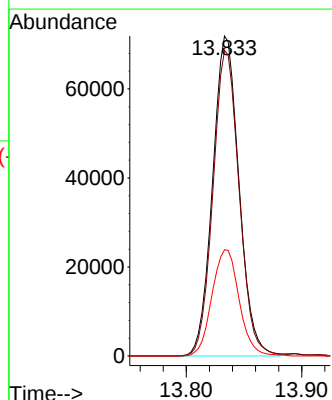
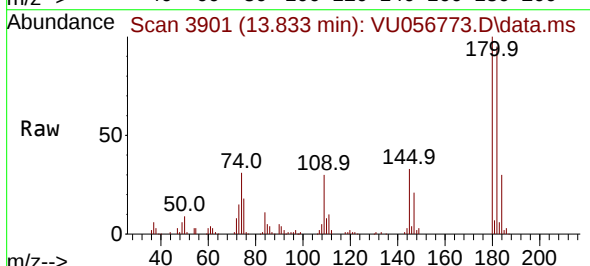
Tgt Ion:180 Resp: 114080

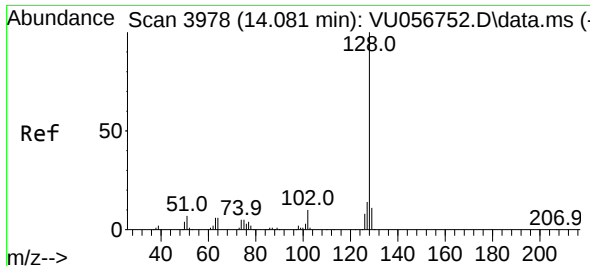
Ion Ratio Lower Upper

180 100

182 94.6 74.3 111.5

145 34.2 26.7 40.1

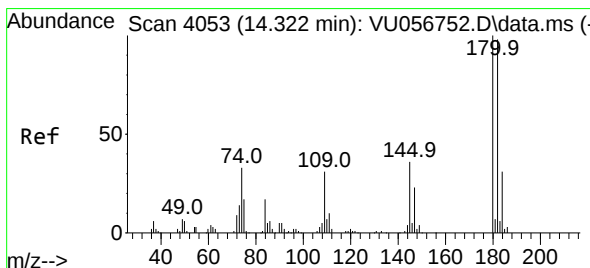
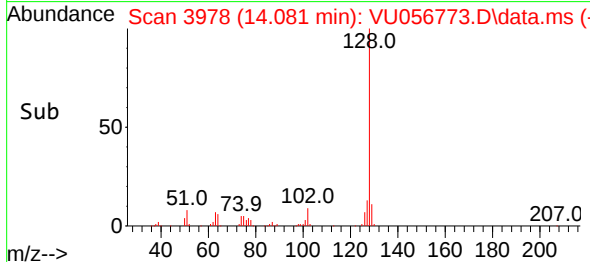
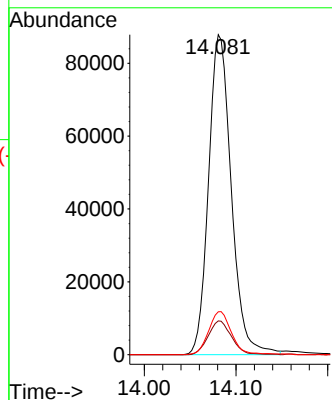
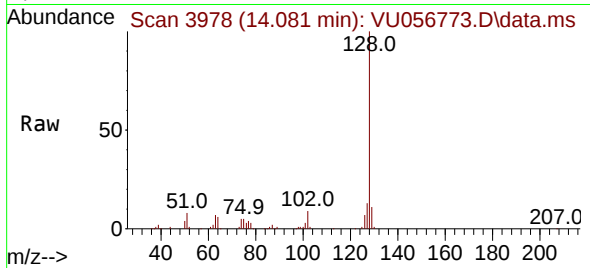




#71
Naphthalene
Concen: 3.665 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Instrument :
MSVOA_U
ClientSampleId :
H0AB0MS

Tgt Ion:128 Resp: 151481
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 13.4 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 3.903 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU056773.D
Acq: 12 Dec 2023 08:14

Tgt Ion:180 Resp: 93595
Ion Ratio Lower Upper
180 100
182 96.6 75.0 112.6
145 34.9 28.6 42.8

