

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056777.D
 Acq On : 12 Dec 2023 10:38
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 13 00:24:50 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	276913	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	267472	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	126881	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	105075	4.427	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.907	69	78582	4.424	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.400%
11) 1,1-Dichloroethene-d2	2.563	65	48199	4.746	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.000%
20) 2-Butanone-d5	4.618	46	210777	44.966	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.940%
24) Chloroform-d	5.058	84	215133	4.786	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	5.695	65	96683	4.546	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
32) Benzene-d6	5.721	84	408232	4.921	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
36) 1,2-Dichloropropane-d6	6.685	67	125083	4.817	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.894	98	361970	4.882	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
43) trans-1,3-Dichloroprop...	8.177	79	45973	4.565	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.627	63	177972	46.859	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.720%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	90242	4.803	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	116008	4.651	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	134721	4.643	ug/L	98
3) Chloromethane	1.518	50	132661	4.650	ug/L	99
5) Vinyl chloride	1.602	62	135907	4.797	ug/L	98
6) Bromomethane	1.853	94	70225	4.204	ug/L	94
8) Chloroethane	1.930	64	78402	4.724	ug/L	97
9) Trichlorofluoromethane	2.136	101	190839	4.779	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	118034	4.819	ug/L	98
12) 1,1-Dichloroethene	2.576	96	105567	4.696	ug/L	96
13) Acetone	2.628	43	123135	43.105	ug/L	99
14) Carbon disulfide	2.792	76	357962	4.589	ug/L	99
15) Methyl Acetate	2.946	43	33888	4.358	ug/L	96
16) Methylene chloride	3.039	84	118756	4.849	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	234867	4.711	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	110408	4.844	ug/L	94
19) 1,1-Dichloroethane	3.862	63	208866	4.764	ug/L	100
21) 2-Butanone	4.698	43	211522	43.908	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	117854	4.753	ug/L	100
23) Bromochloromethane	4.968	128	48991	4.719	ug/L	97
25) Chloroform	5.081	83	215731	4.697	ug/L	98

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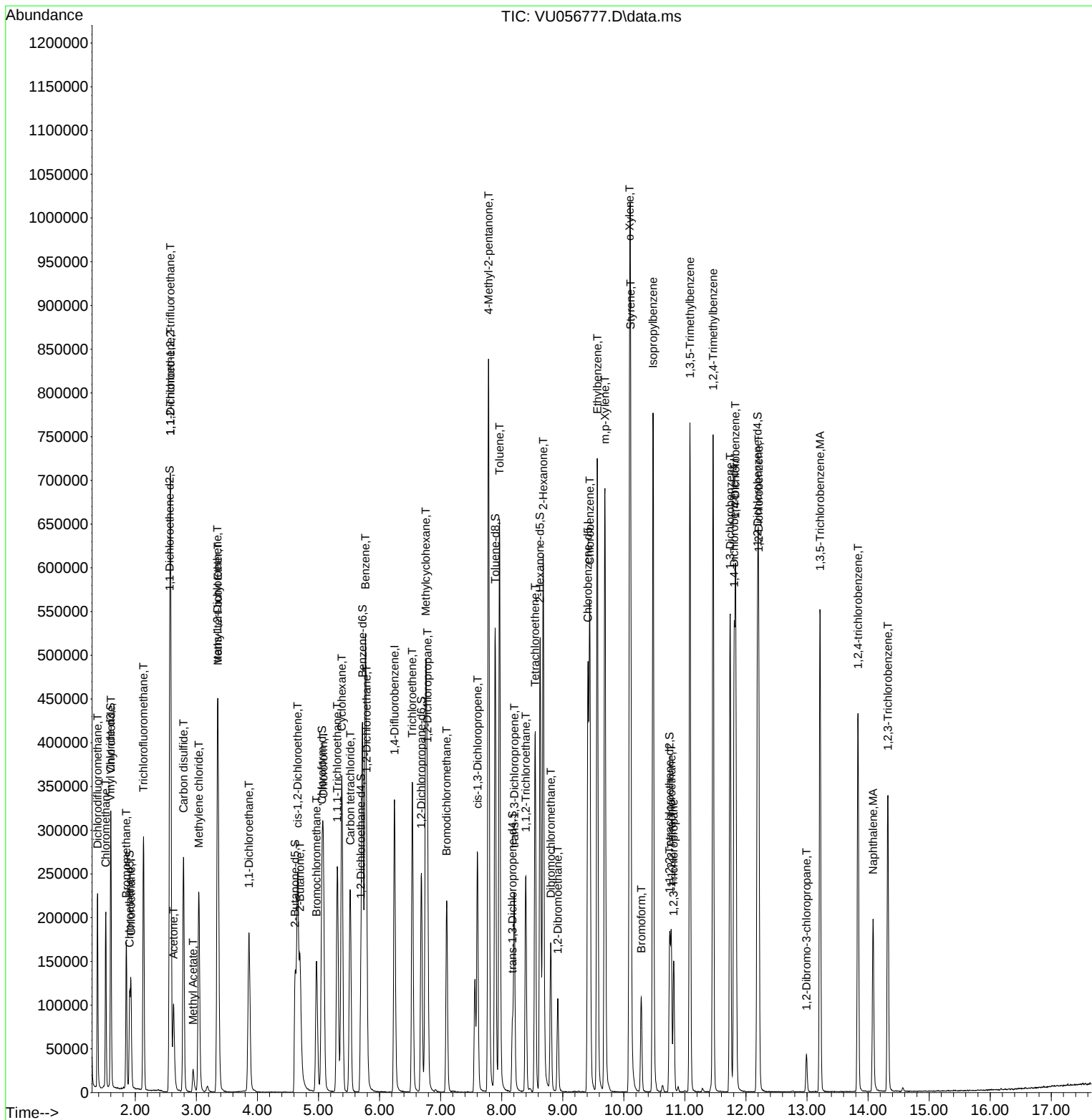
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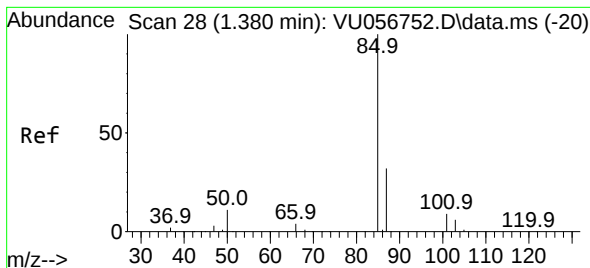
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 02:01:50 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	123391	4.542	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	191942	4.964	ug/L	99
30) Cyclohexane	5.383	56	183119	5.046	ug/L	100
31) Carbon tetrachloride	5.521	117	164495	4.895	ug/L	99
33) Benzene	5.769	78	469232	4.992	ug/L	100
34) Trichloroethene	6.537	95	124443	4.826	ug/L	99
35) Methylcyclohexane	6.759	83	187758	4.934	ug/L	99
37) 1,2-Dichloropropane	6.785	63	119418	4.966	ug/L	98
38) Bromodichloromethane	7.100	83	148108	4.830	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	169183	4.827	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	533862	46.756	ug/L	99
42) Toluene	7.965	91	490365	5.042	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	133676	4.654	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	78333	4.819	ug/L	96
47) Tetrachloroethene	8.550	164	88863	4.924	ug/L	98
48) 2-Hexanone	8.679	43	389532	47.900	ug/L	99
49) Dibromochloromethane	8.804	129	87962	4.707	ug/L	97
50) 1,2-Dibromoethane	8.920	107	71281	4.725	ug/L	99
51) Chlorobenzene	9.444	112	298938	4.822	ug/L	99
52) Ethylbenzene	9.566	91	532360	4.962	ug/L	99
53) m,p-Xylene	9.692	106	200081	5.005	ug/L	99
54) o-Xylene	10.097	106	191071	5.017	ug/L	99
55) Styrene	10.113	104	316055	5.054	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	89372	4.551	ug/L	99
59) Bromoform	10.286	173	48184	4.651	ug/L	97
60) Isopropylbenzene	10.479	105	514353	5.131	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	63902	4.691	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	417391	5.094	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	423733	5.207	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	227174	4.791	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	222741	4.770	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	203351	4.707	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	12244	4.502	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	167853	4.685	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	127143	4.481	ug/L	98
71) Naphthalene	14.084	128	163785	3.944	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	99725	4.140	ug/L	96

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

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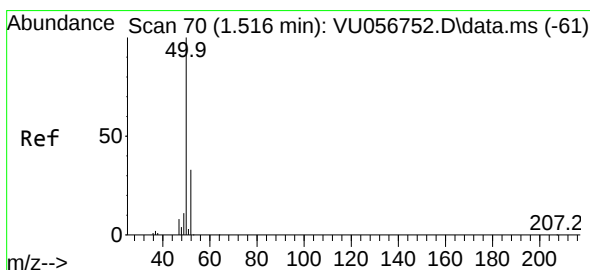
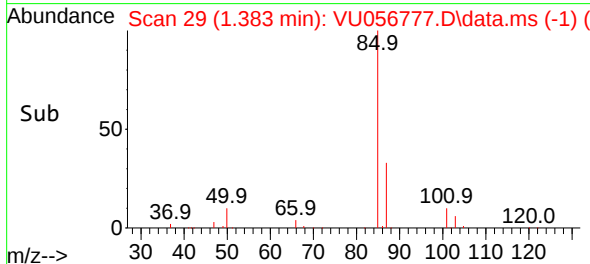
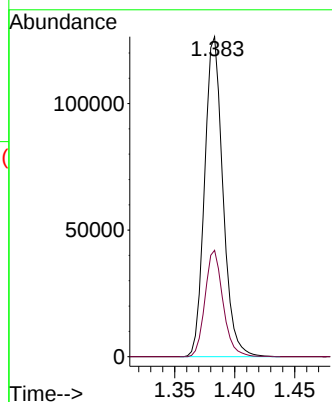
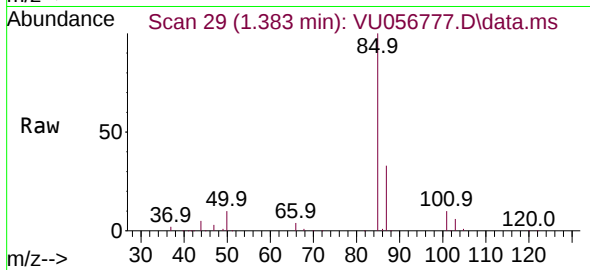




#2
 Dichlorodifluoromethane
 Concen: 4.643 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VU056777.D
 Acq: 12 Dec 2023 10:38

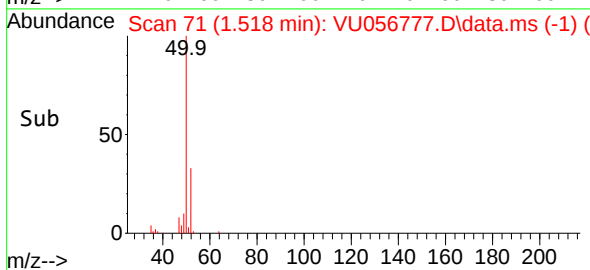
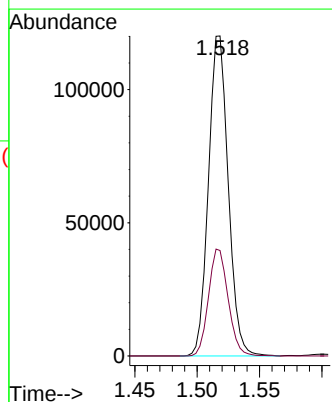
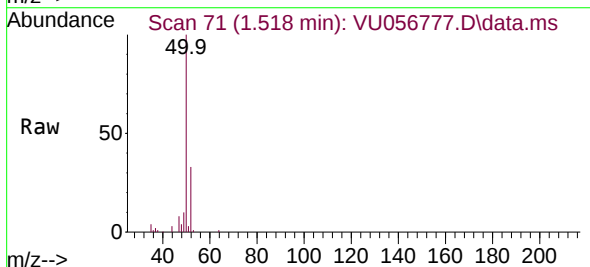
Instrument :
 MSVOA_U
 ClientSampleId :

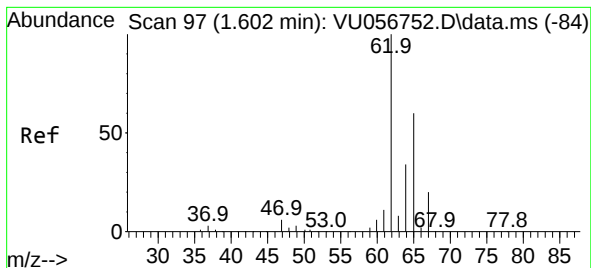
Tgt Ion: 85 Resp: 134721
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.8 40.2



#3
 Chloromethane
 Concen: 4.650 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU056777.D
 Acq: 12 Dec 2023 10:38

Tgt Ion: 50 Resp: 132661
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.5 41.7





#5

Vinyl chloride

Concen: 4.797 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

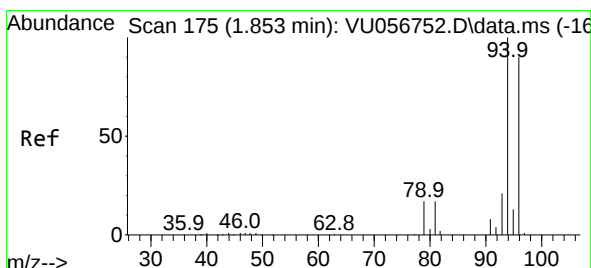
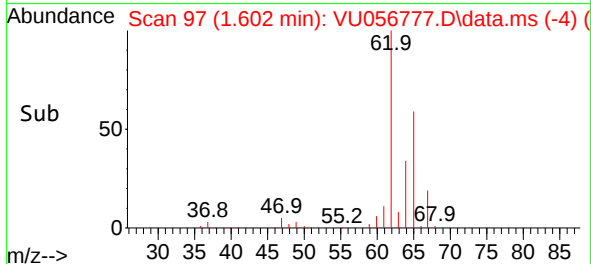
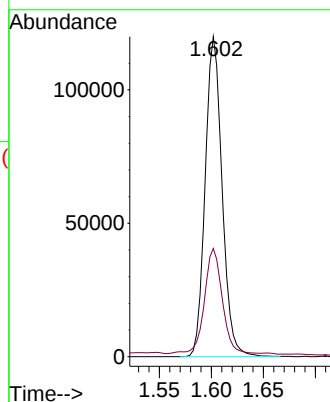
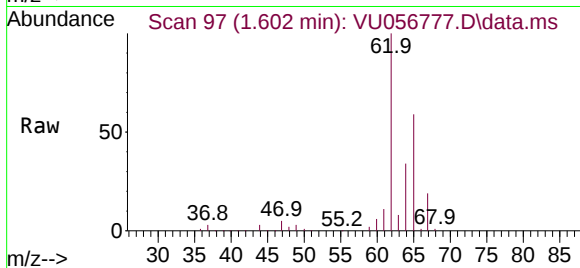
ClientSampleId :

Tgt Ion: 62 Resp: 135907

Ion Ratio Lower Upper

62 100

64 33.8 22.8 42.4



#6

Bromomethane

Concen: 4.204 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU056777.D

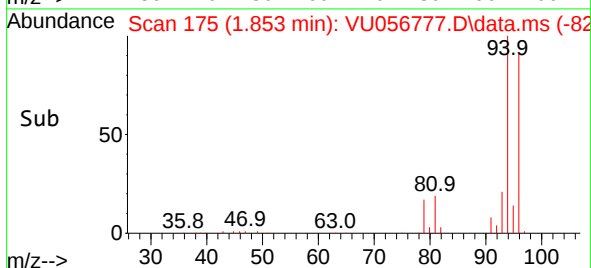
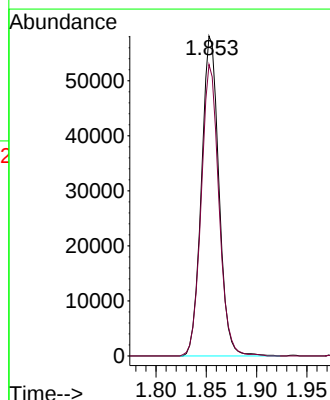
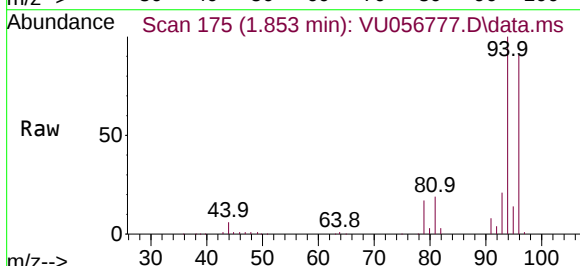
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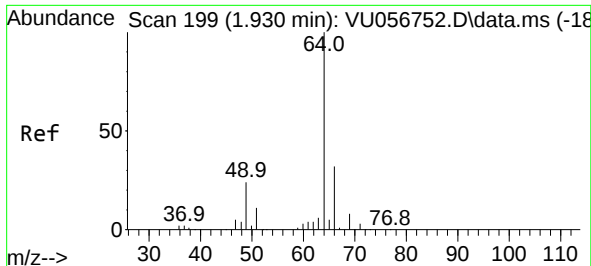
Tgt Ion: 94 Resp: 70225

Ion Ratio Lower Upper

94 100

96 91.1 67.8 125.8

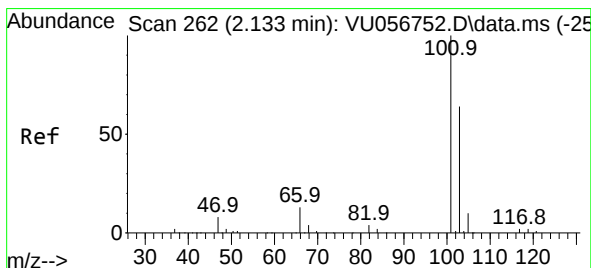
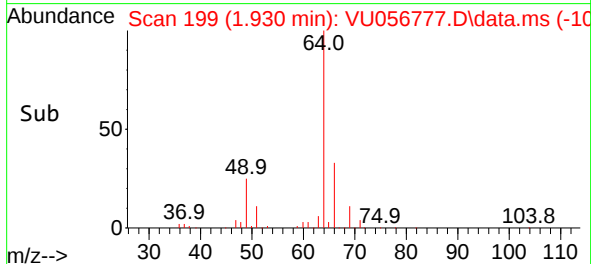
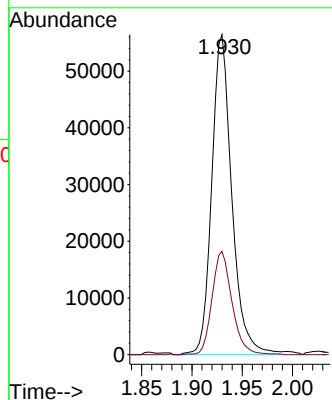
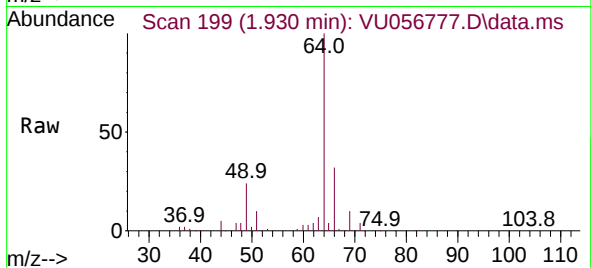




#8
Chloroethane
Concen: 4.724 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

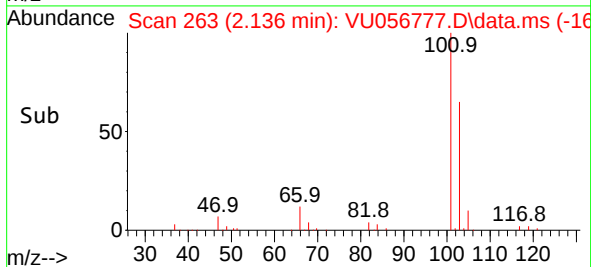
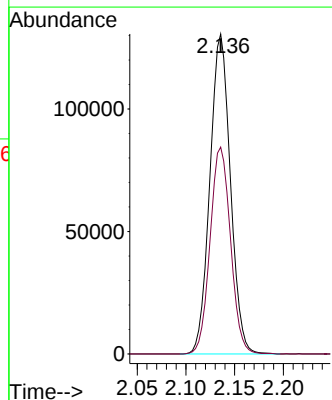
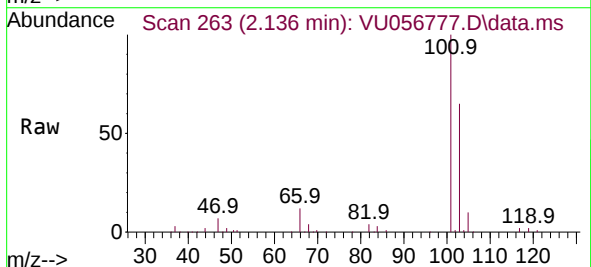
Instrument :
MSVOA_U
ClientSampleId :

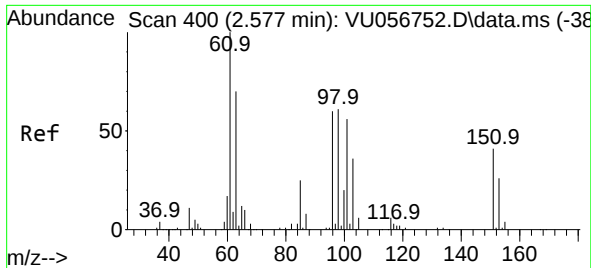
Tgt Ion: 64 Resp: 78402
Ion Ratio Lower Upper
64 100
66 32.3 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.779 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

Tgt Ion:101 Resp: 190839
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

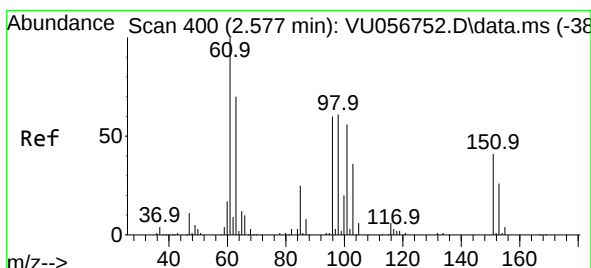
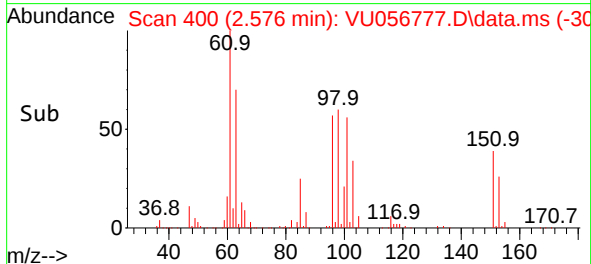
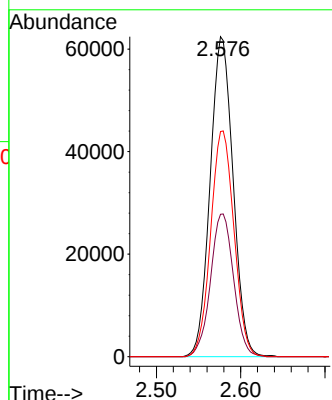
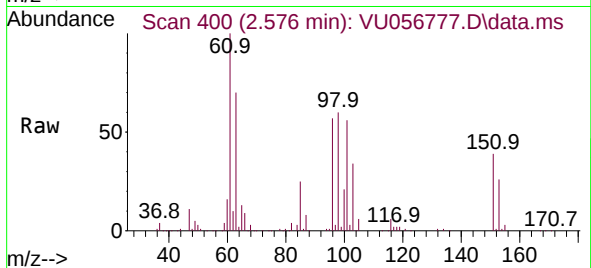




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.819 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056777.D
 Acq: 12 Dec 2023 10:38

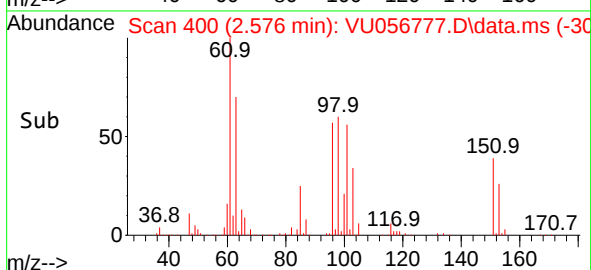
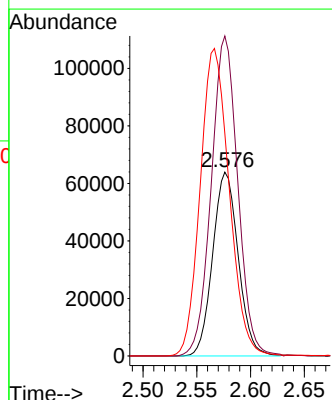
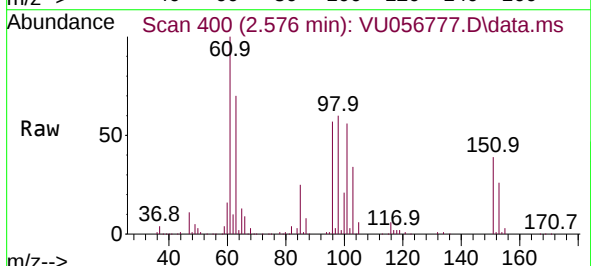
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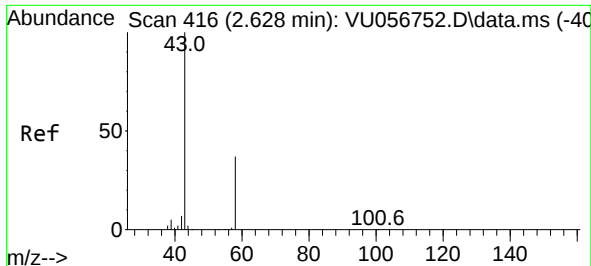
Tgt Ion:101 Resp: 118034
 Ion Ratio Lower Upper
 101 100
 85 44.8 35.2 52.8
 151 71.7 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 4.696 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056777.D
 Acq: 12 Dec 2023 10:38

Tgt Ion: 96 Resp: 105567
 Ion Ratio Lower Upper
 96 100
 61 174.0 119.0 221.0
 63 120.9 88.7 164.7





#13

Acetone

Concen: 43.105 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

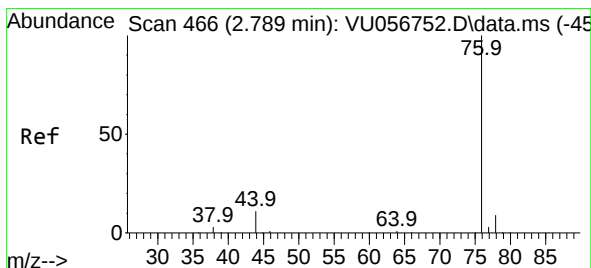
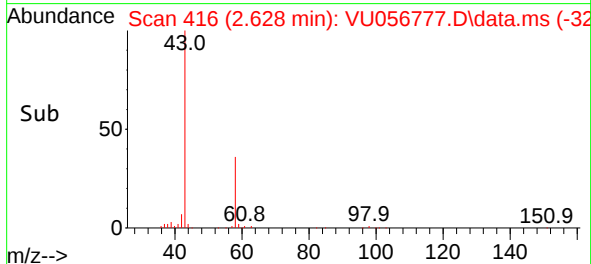
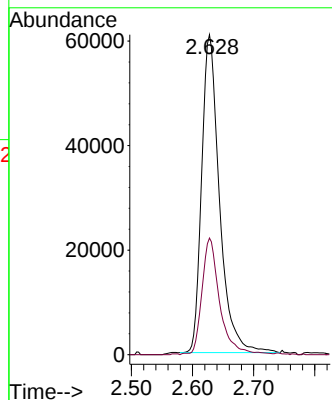
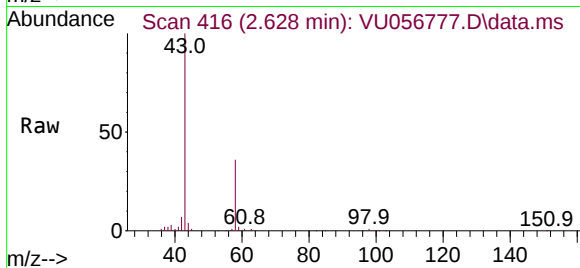
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Tgt Ion: 43 Resp: 123135

Ion Ratio Lower Upper

43 100

58 36.6 0.0 72.6



#14

Carbon disulfide

Concen: 4.589 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU056777.D

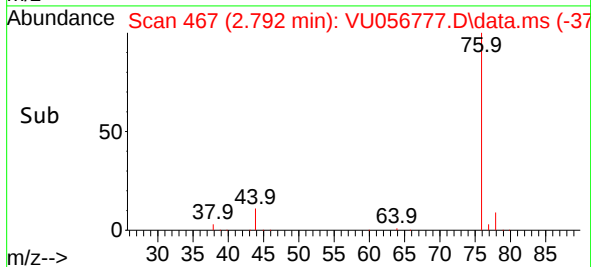
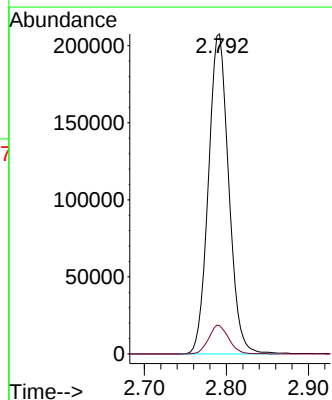
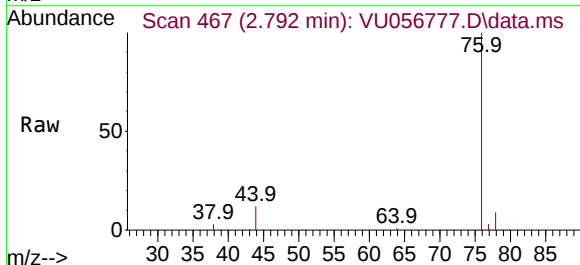
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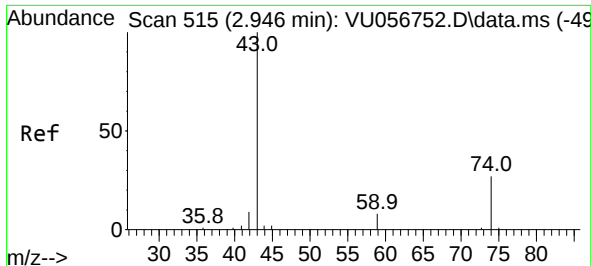
Tgt Ion: 76 Resp: 357962

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

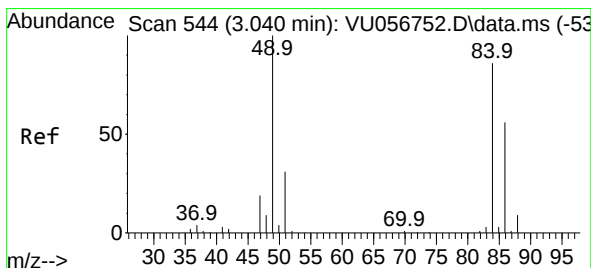
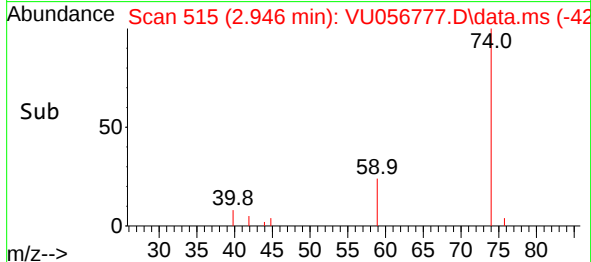
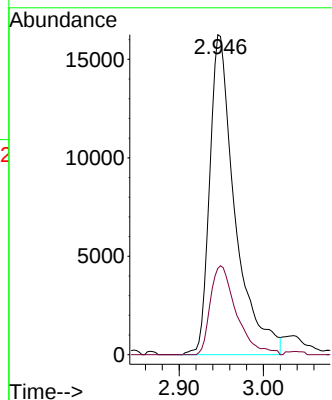
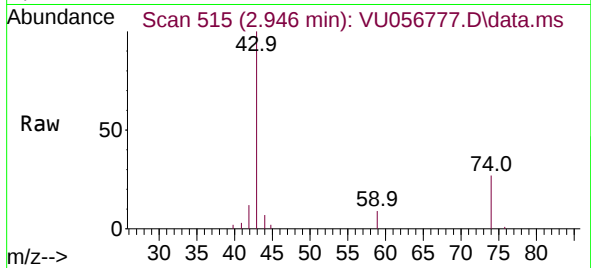




#15
Methyl Acetate
Concen: 4.358 ug/L
RT: 2.946 min Scan# 515
Delta R.T. -0.000 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

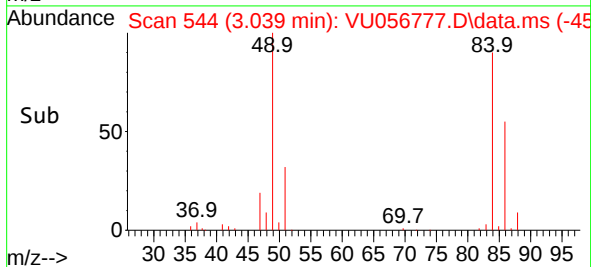
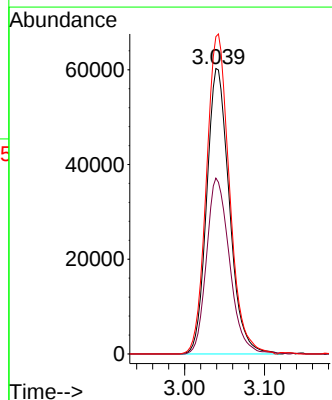
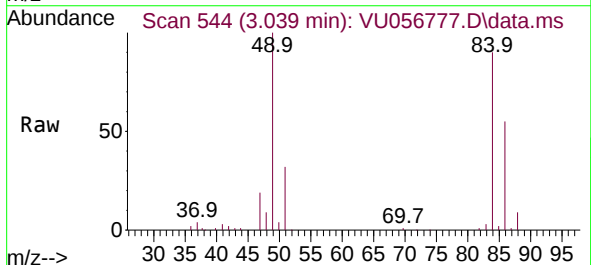
Instrument : MSVOA_U
ClientSampleId :

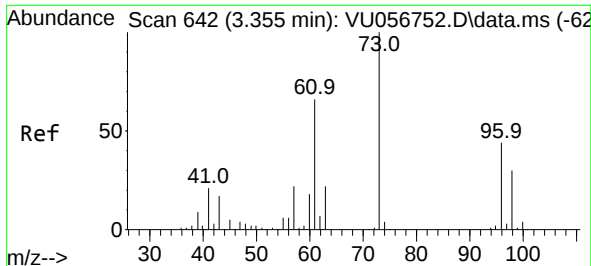
Tgt Ion: 43 Resp: 33888
Ion Ratio Lower Upper
43 100
74 28.5 21.0 31.6



#16
Methylene chloride
Concen: 4.849 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

Tgt Ion: 84 Resp: 118756
Ion Ratio Lower Upper
84 100
86 61.6 43.6 81.0
49 111.1 80.6 149.6

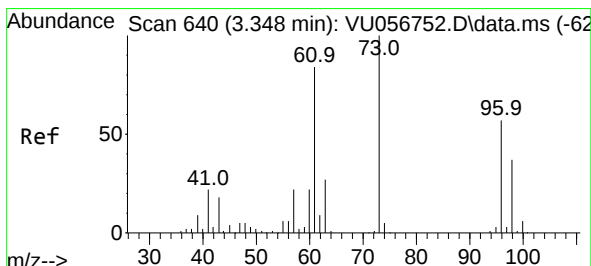
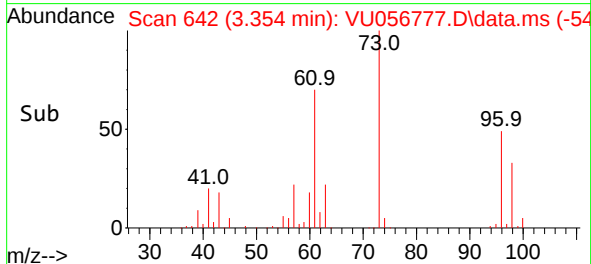
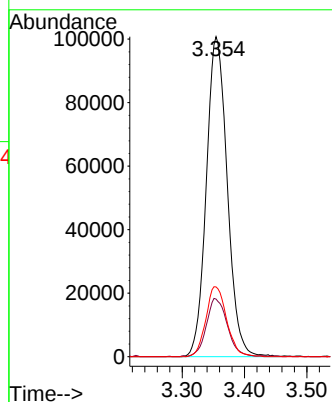
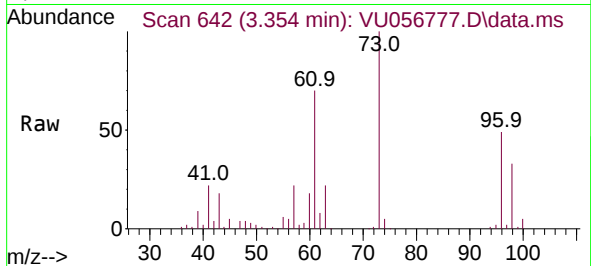




#17
Methyl tert-butyl Ether
Concen: 4.711 ug/L
RT: 3.354 min Scan# 64
Delta R.T. -0.000 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

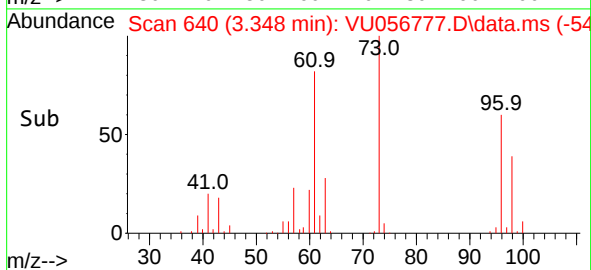
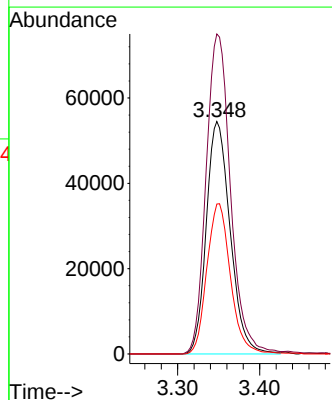
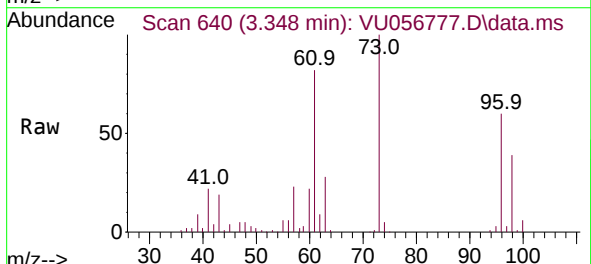
Instrument :
MSVOA_U
ClientSampleId :

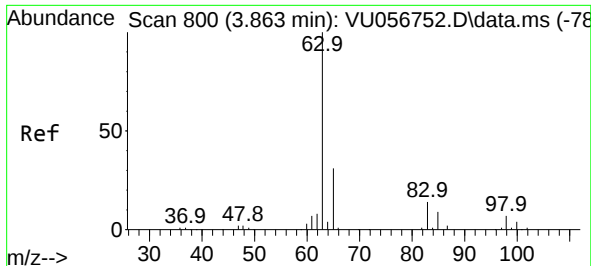
Tgt Ion: 73 Resp: 234867
Ion Ratio Lower Upper
73 100
43 18.2 14.4 21.6
57 21.8 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.844 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

Tgt Ion: 96 Resp: 110408
Ion Ratio Lower Upper
96 100
61 137.6 101.8 189.0
98 64.4 43.0 79.8





#19

1,1-Dichloroethane

Concen: 4.764 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

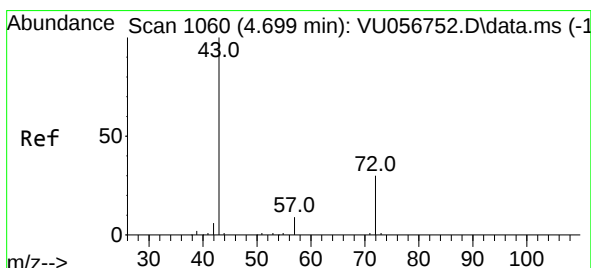
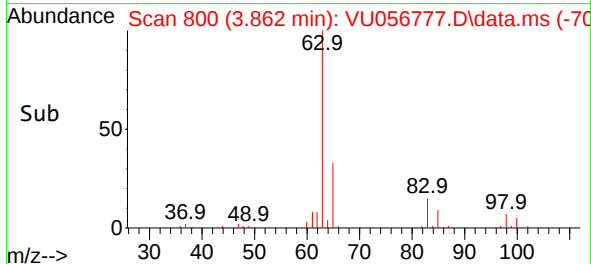
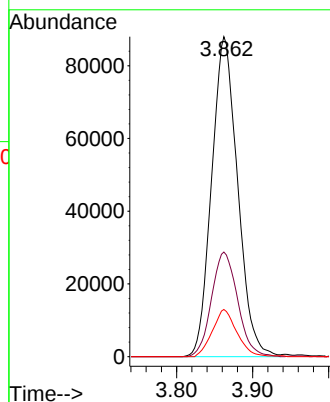
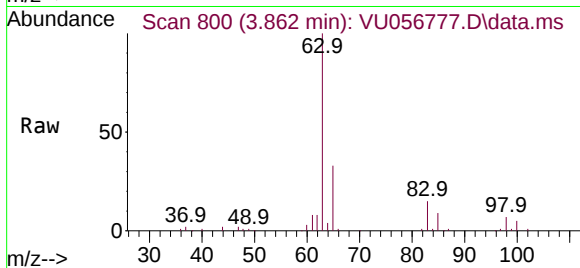
Tgt Ion: 63 Resp: 208866

Ion Ratio Lower Upper

63 100

65 32.7 22.9 42.5

83 14.8 10.1 18.9



#21

2-Butanone

Concen: 43.908 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VU056777.D

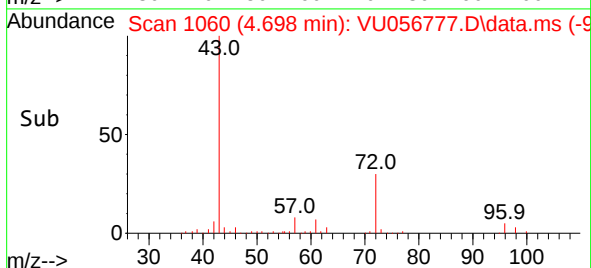
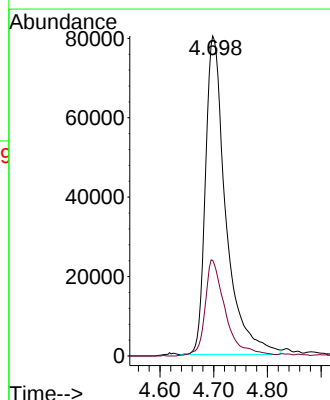
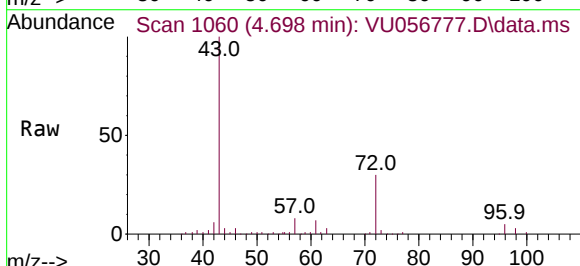
Acq: 12 Dec 2023 10:38

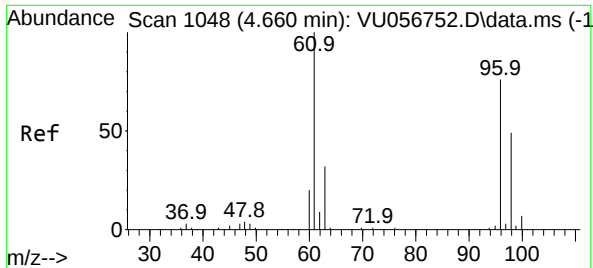
Tgt Ion: 43 Resp: 211522

Ion Ratio Lower Upper

43 100

72 30.1 14.6 43.8

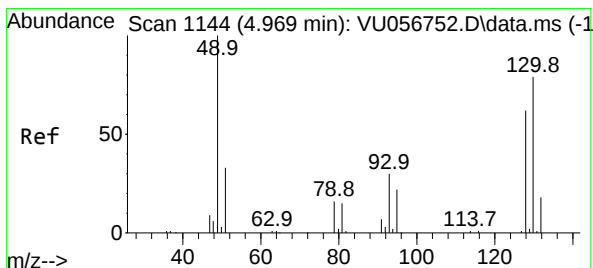
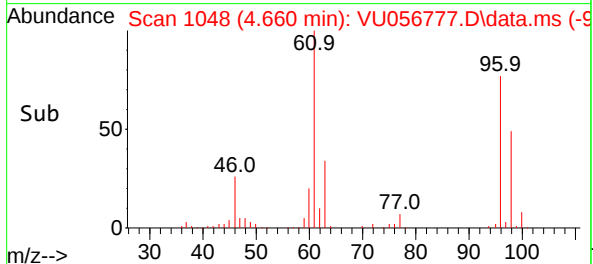
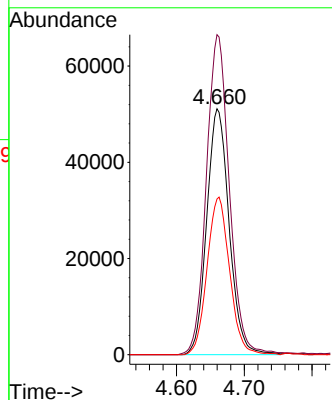
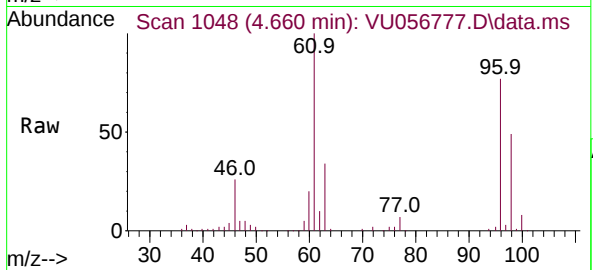




#22
 cis-1,2-Dichloroethene
 Concen: 4.753 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056777.D
 Acq: 12 Dec 2023 10:38

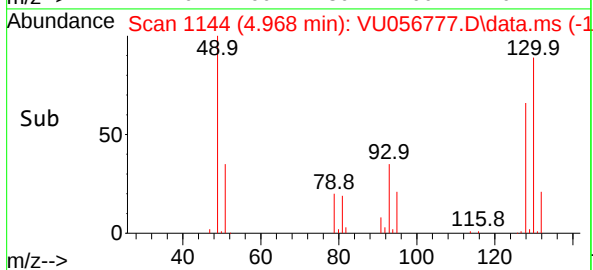
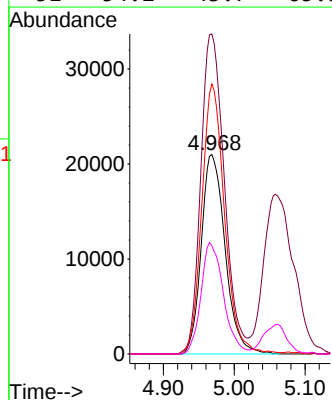
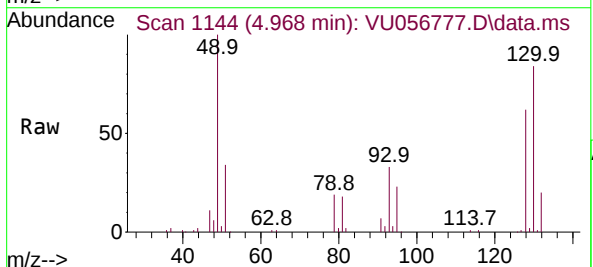
Instrument :
 MSVOA_U
 ClientSampleId :

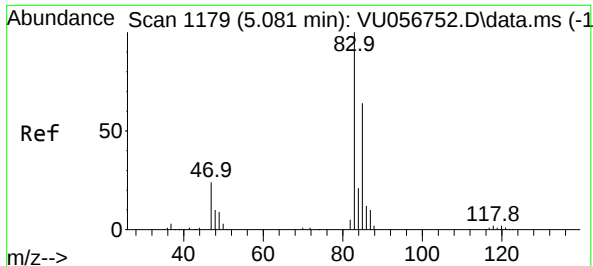
Tgt Ion: 96 Resp: 117854
 Ion Ratio Lower Upper
 96 100
 61 130.1 91.3 169.6
 98 63.3 44.2 82.0



#23
 Bromochloromethane
 Concen: 4.719 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU056777.D
 Acq: 12 Dec 2023 10:38

Tgt Ion: 128 Resp: 48991
 Ion Ratio Lower Upper
 128 100
 49 160.5 113.8 211.3
 130 135.4 90.6 168.3
 51 54.2 43.7 65.5





#25

Chloroform

Concen: 4.697 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

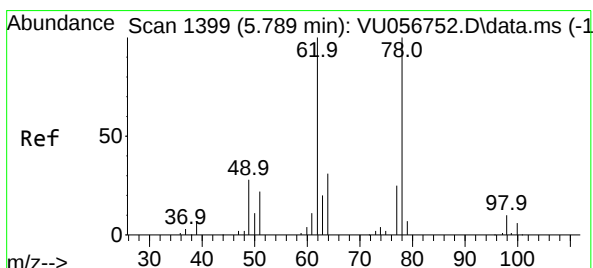
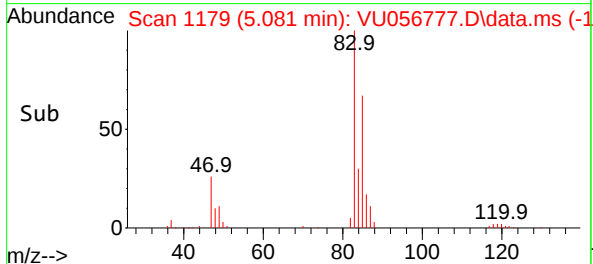
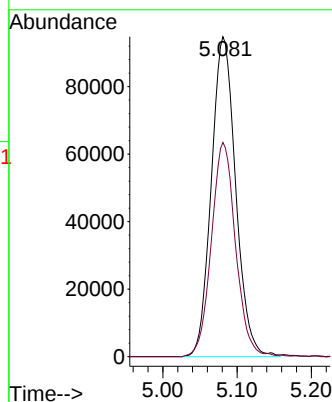
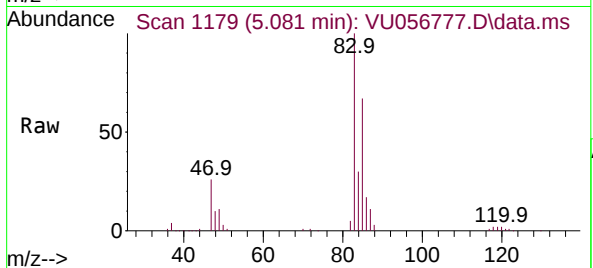
ClientSampleId :

Tgt Ion: 83 Resp: 215731

Ion Ratio Lower Upper

83 100

85 67.0 45.8 85.0



#27

1,2-Dichloroethane

Concen: 4.542 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056777.D

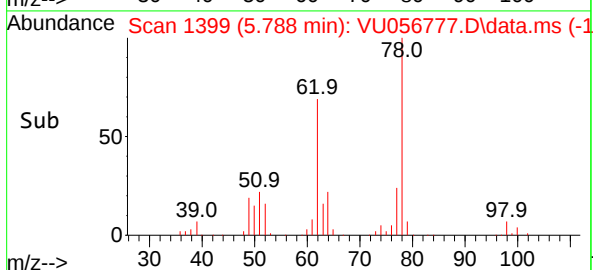
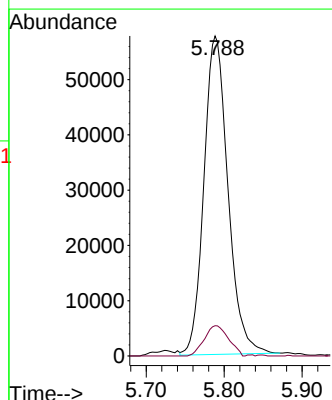
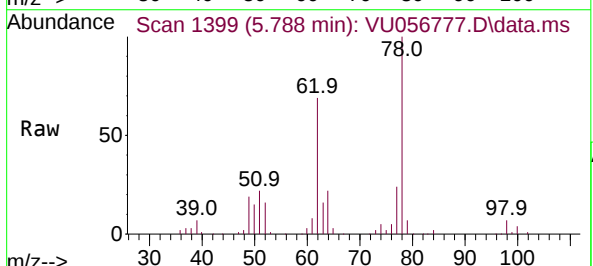
Acq: 12 Dec 2023 10:38

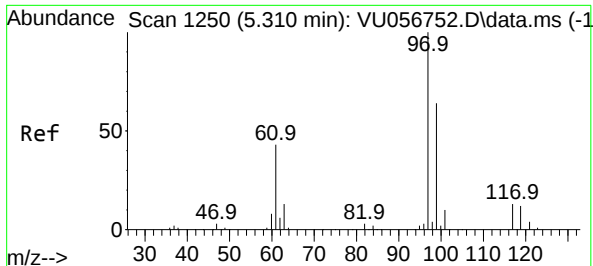
Tgt Ion: 62 Resp: 123391

Ion Ratio Lower Upper

62 100

98 9.5 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.964 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

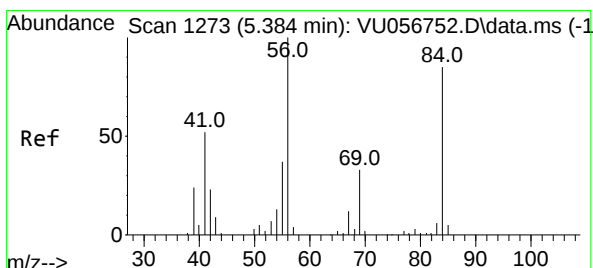
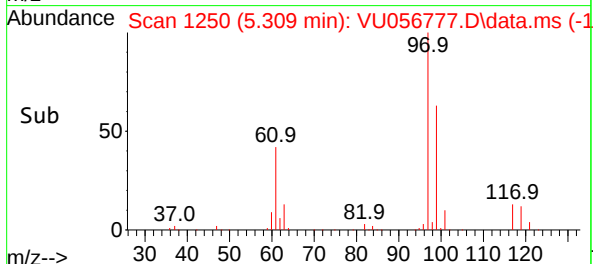
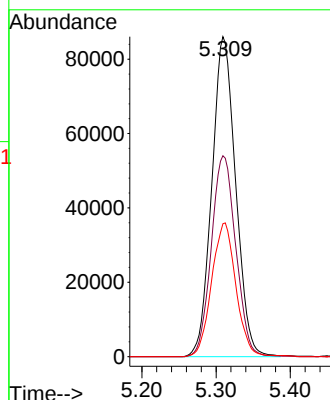
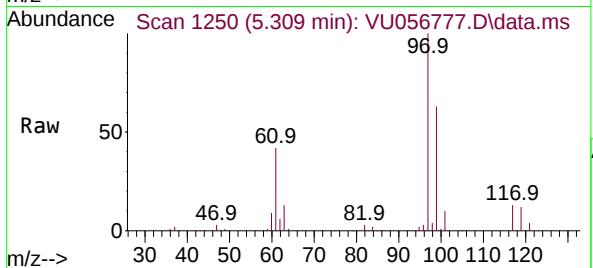
Tgt Ion: 97 Resp: 191942

Ion Ratio Lower Upper

97 100

99 64.5 52.5 78.7

61 42.7 34.2 51.2



#30

Cyclohexane

Concen: 5.046 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

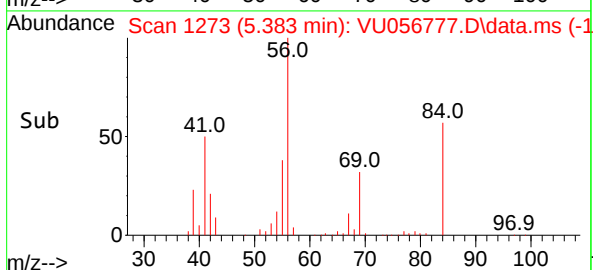
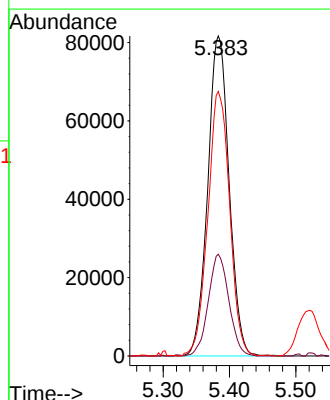
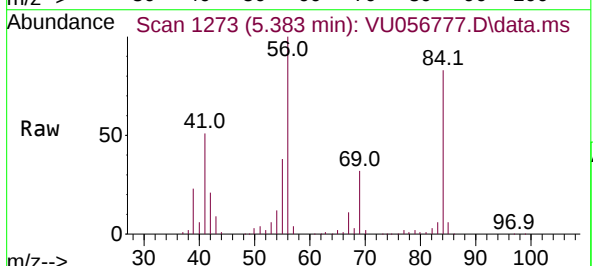
Tgt Ion: 56 Resp: 183119

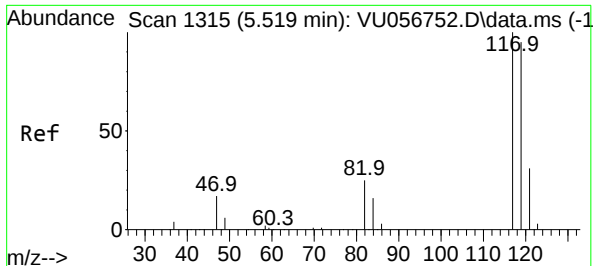
Ion Ratio Lower Upper

56 100

69 30.6 24.9 37.3

84 84.3 67.6 101.4

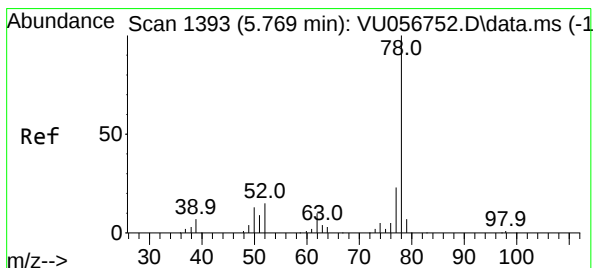
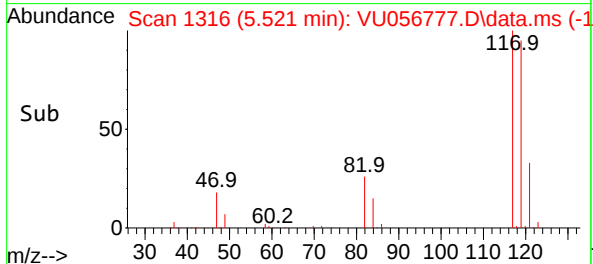
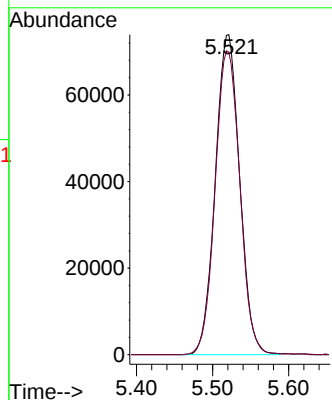
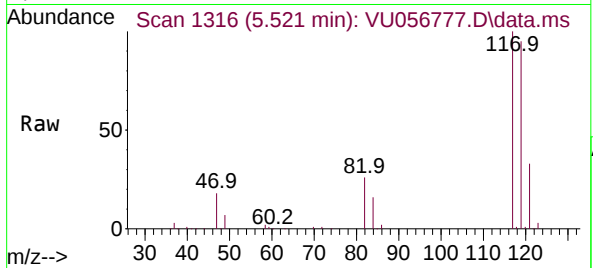




#31
Carbon tetrachloride
Concen: 4.895 ug/L
RT: 5.521 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

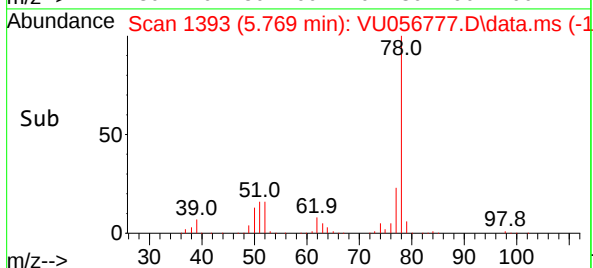
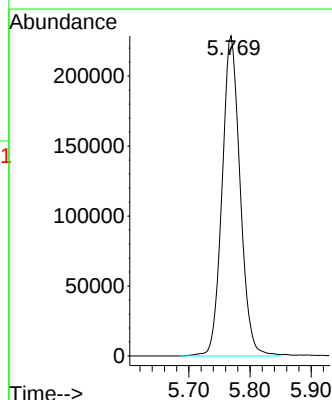
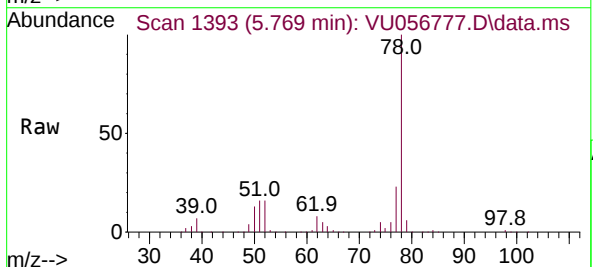
Instrument :
MSVOA_U
ClientSampleId :

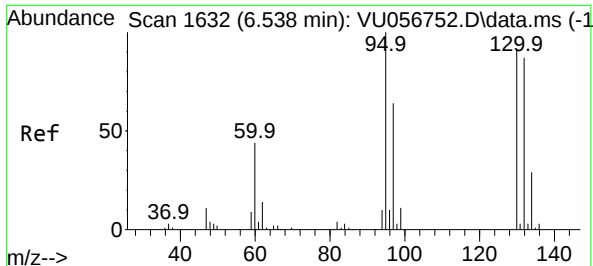
Tgt Ion:117 Resp: 164495
Ion Ratio Lower Upper
117 100
119 96.4 76.2 114.4



#33
Benzene
Concen: 4.992 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

Tgt Ion: 78 Resp: 469232





#34

Trichloroethene

Concen: 4.826 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 124443

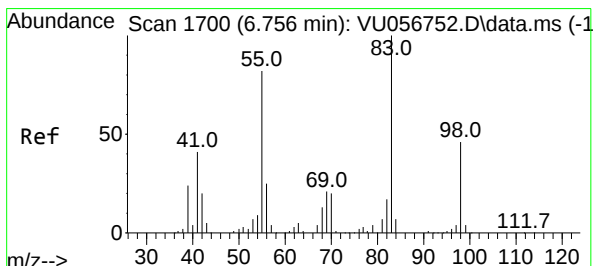
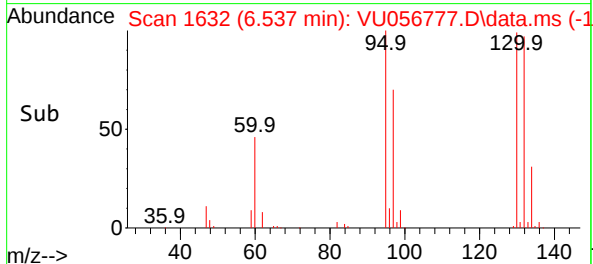
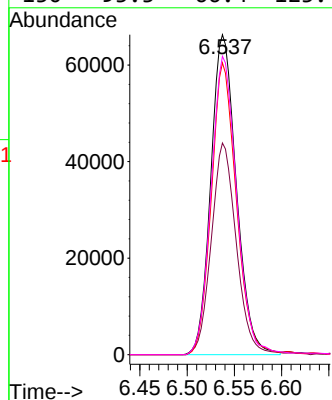
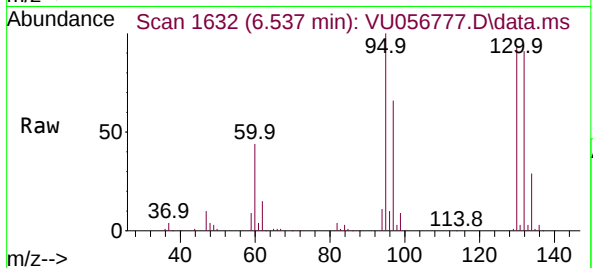
Ion Ratio Lower Upper

95 100

97 66.2 46.1 85.5

132 91.2 63.6 118.0

130 93.3 66.4 123.4



#35

Methylcyclohexane

Concen: 4.934 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

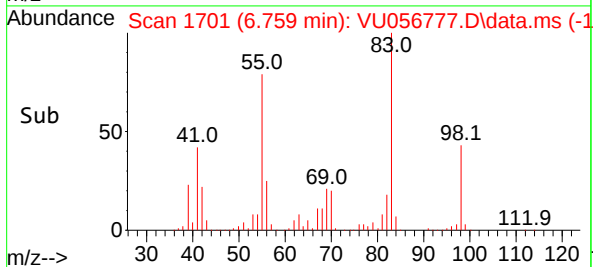
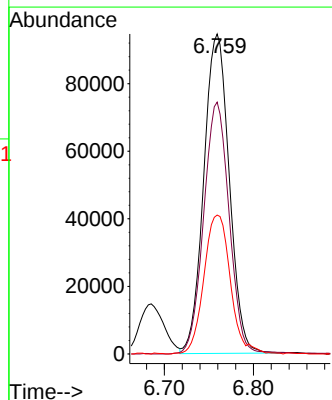
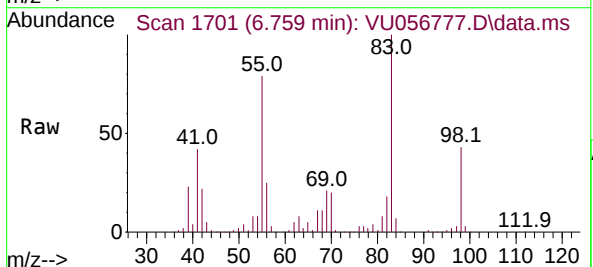
Tgt Ion: 83 Resp: 187758

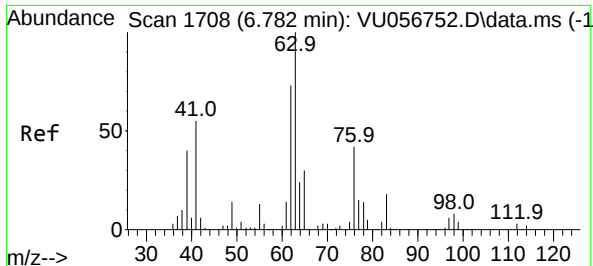
Ion Ratio Lower Upper

83 100

55 79.3 64.6 97.0

98 45.3 36.1 54.1

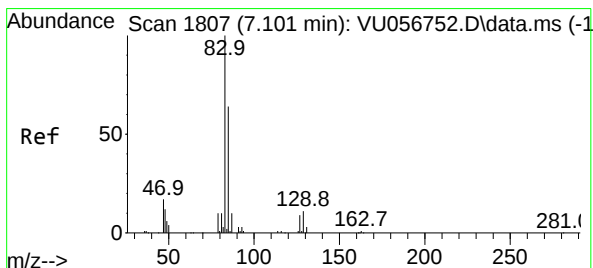
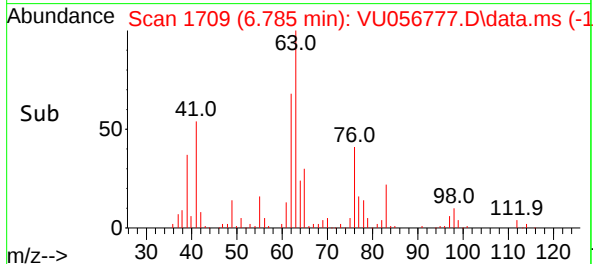
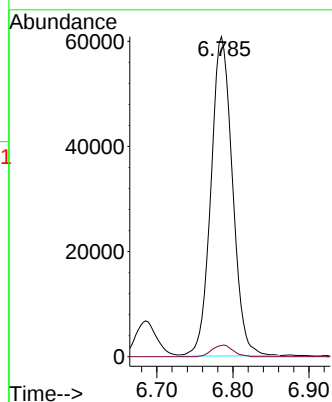
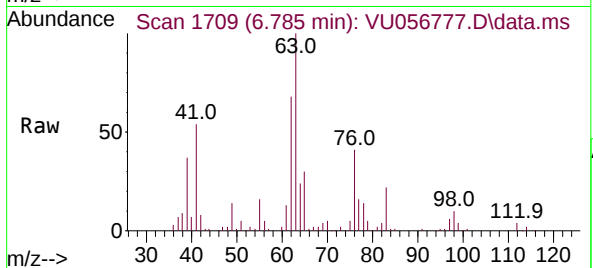




#37
1,2-Dichloropropane
Concen: 4.966 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

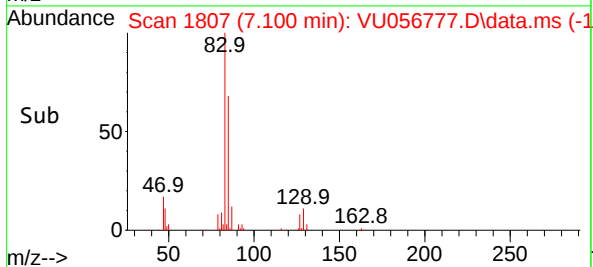
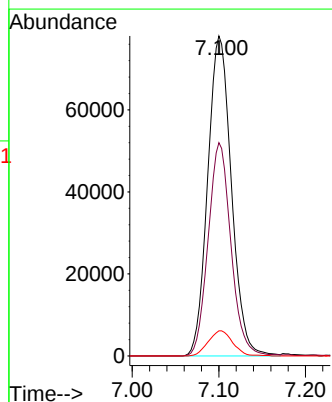
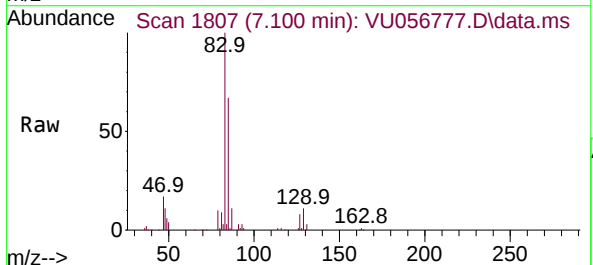
Instrument :
MSVOA_U
ClientSampleId :

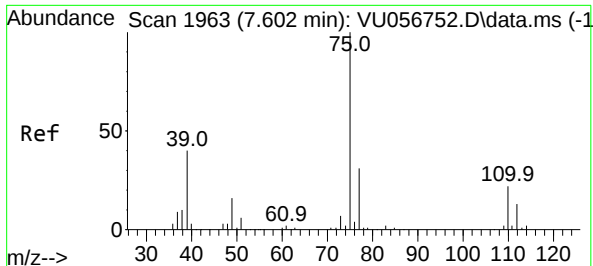
Tgt Ion: 63 Resp: 119418
Ion Ratio Lower Upper
63 100
112 3.5 3.3 4.9



#38
Bromodichloromethane
Concen: 4.830 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

Tgt Ion: 83 Resp: 148108
Ion Ratio Lower Upper
83 100
85 66.6 45.0 83.6
127 7.8 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.827 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

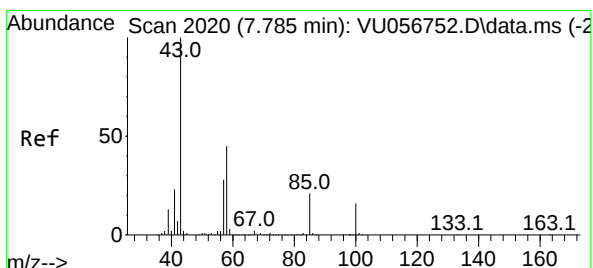
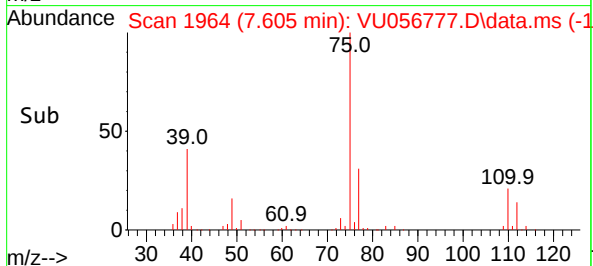
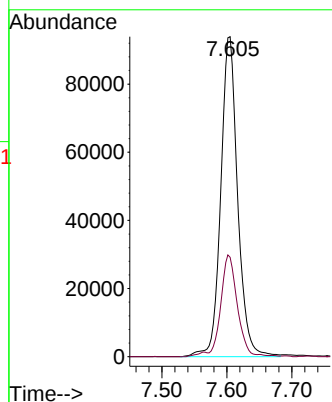
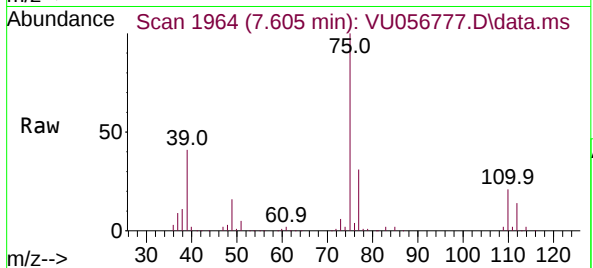
ClientSampleId :

Tgt Ion: 75 Resp: 169183

Ion Ratio Lower Upper

75 100

77 31.0 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 46.756 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

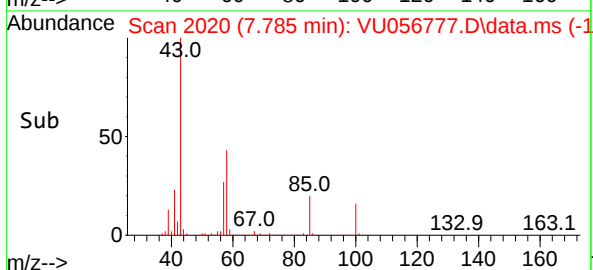
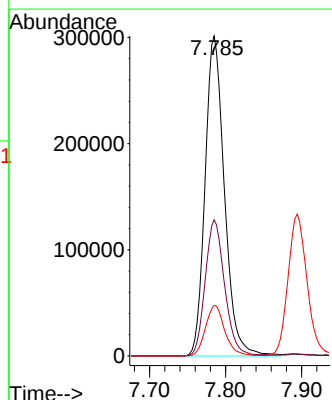
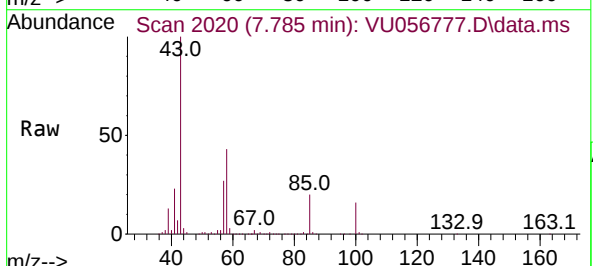
Tgt Ion: 43 Resp: 533862

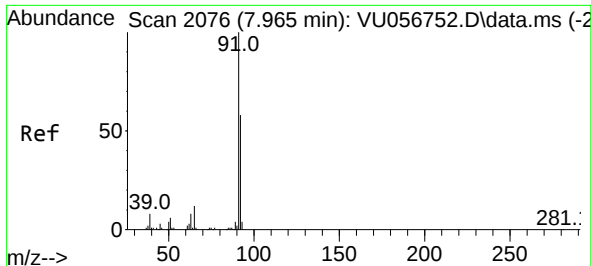
Ion Ratio Lower Upper

43 100

58 42.6 33.7 50.5

100 15.8 13.0 19.4





#42

Toluene

Concen: 5.042 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

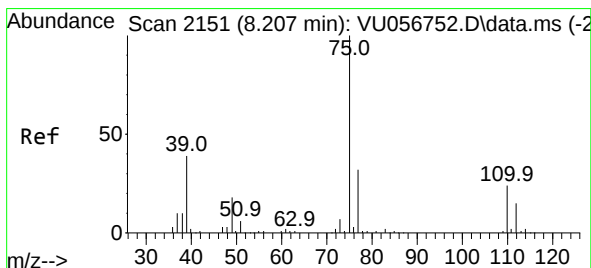
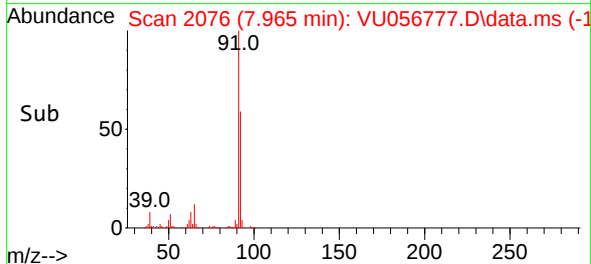
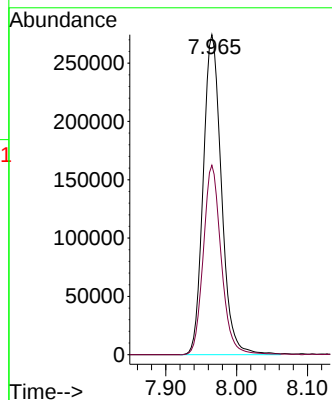
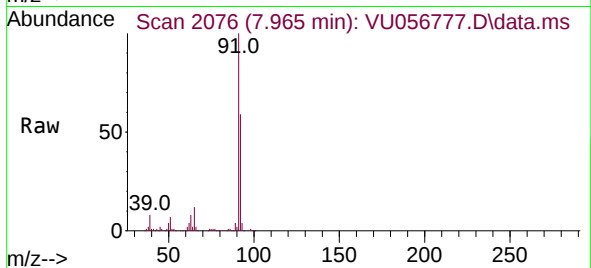
ClientSampleId :

Tgt Ion: 91 Resp: 490365

Ion Ratio Lower Upper

91 100

92 59.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.654 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056777.D

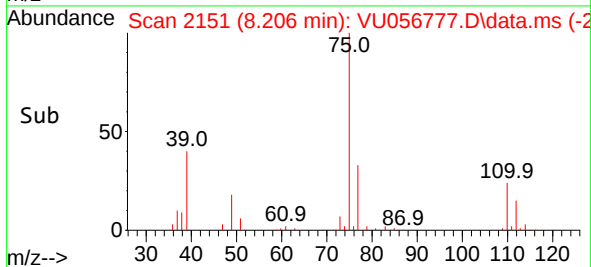
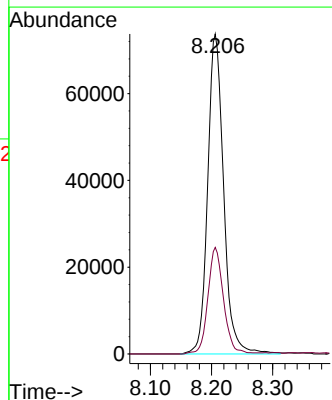
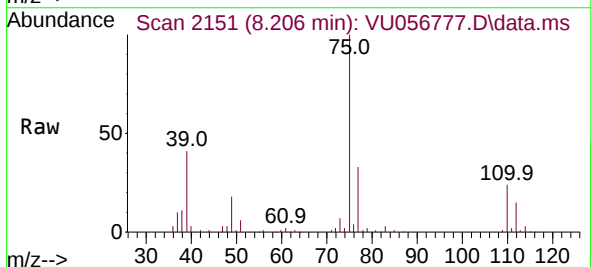
Acq: 12 Dec 2023 10:38

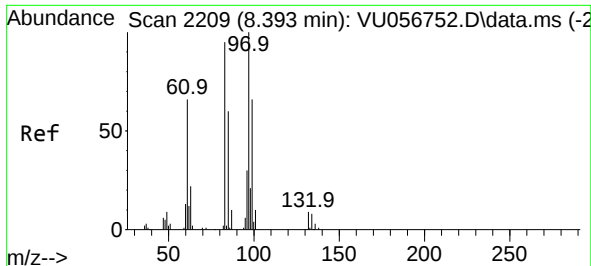
Tgt Ion: 75 Resp: 133676

Ion Ratio Lower Upper

75 100

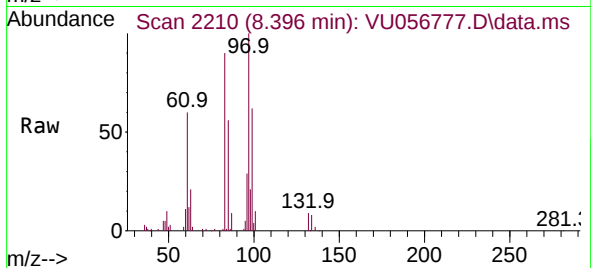
77 33.3 21.8 40.4



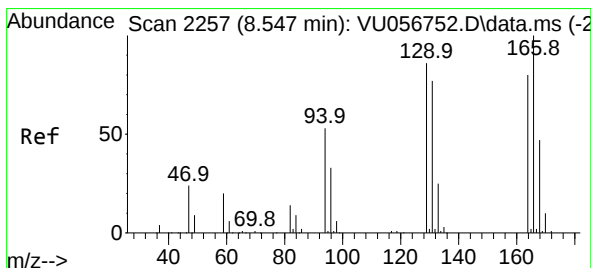
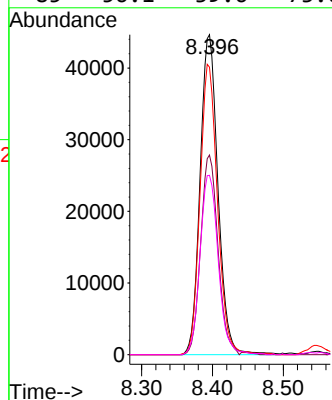
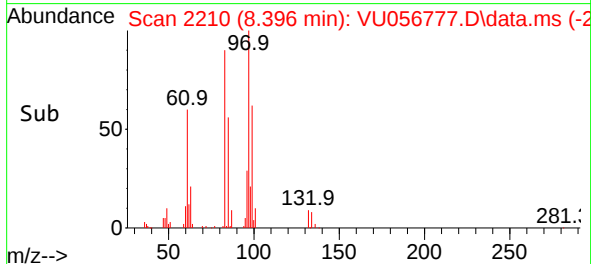


#45
1,1,2-Trichloroethane
Concen: 4.819 ug/L
RT: 8.396 min Scan# 210
Delta R.T. 0.003 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

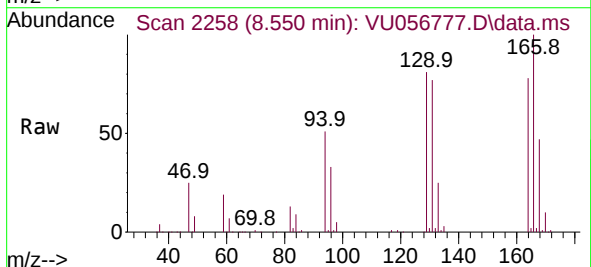
Instrument :
MSVOA_U
ClientSampleId :



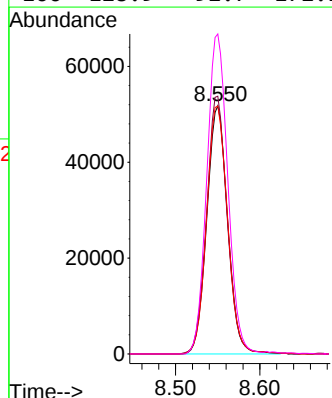
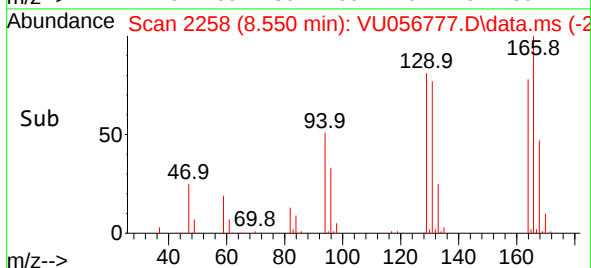
Tgt Ion: 97 Resp: 78333
Ion Ratio Lower Upper
97 100
99 62.4 41.9 77.9
83 89.8 59.1 109.7
85 56.1 39.6 73.6

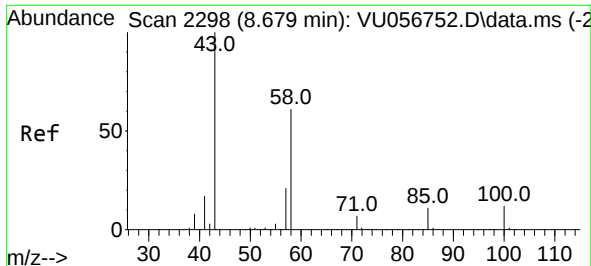


#47
Tetrachloroethene
Concen: 4.924 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38



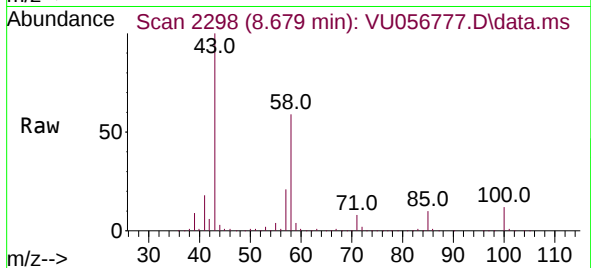
Tgt Ion: 164 Resp: 88863
Ion Ratio Lower Upper
164 100
129 103.8 73.4 136.4
131 99.9 71.5 132.9
166 128.9 92.7 172.1



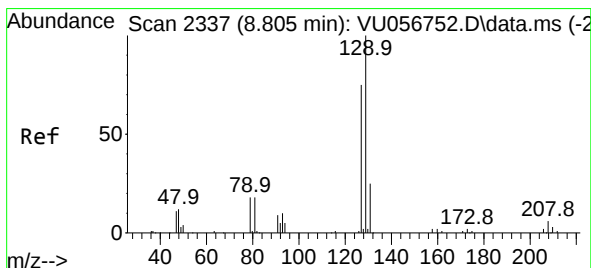
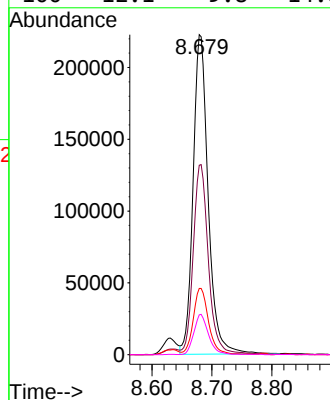
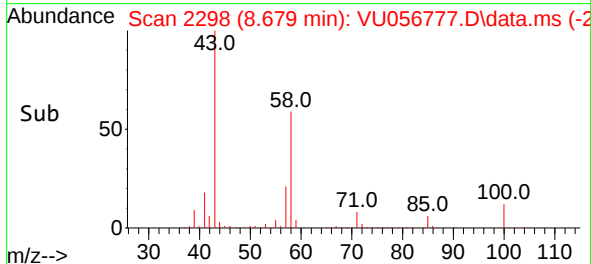


#48
2-Hexanone
Concen: 47.900 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

Instrument :
MSVOA_U
ClientSampleId :

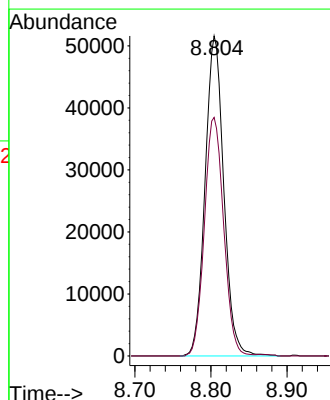
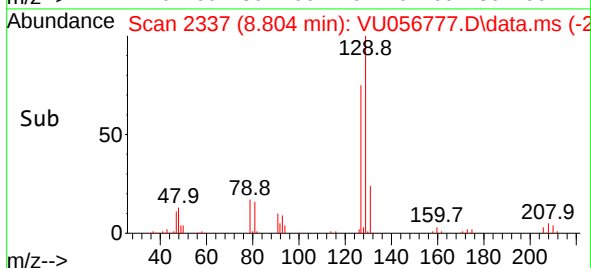
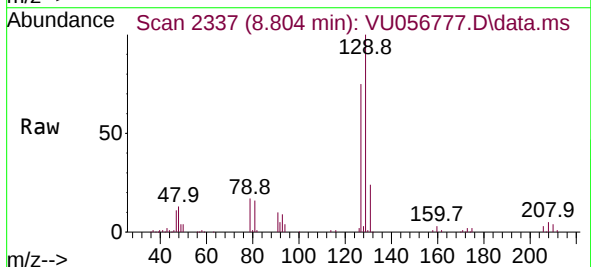


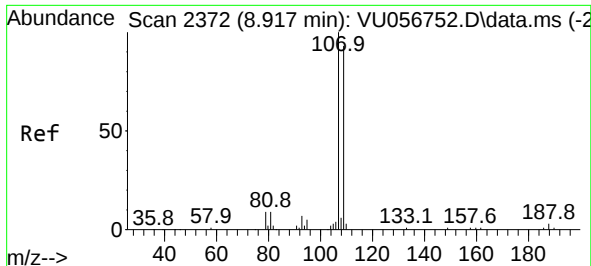
Tgt Ion: 43 Resp: 389532
Ion Ratio Lower Upper
43 100
58 58.9 47.5 71.3
57 20.9 17.0 25.4
100 12.1 9.8 14.8



#49
Dibromochloromethane
Concen: 4.707 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

Tgt Ion: 129 Resp: 87962
Ion Ratio Lower Upper
129 100
127 74.5 53.9 100.1





#50

1,2-Dibromoethane

Concen: 4.725 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

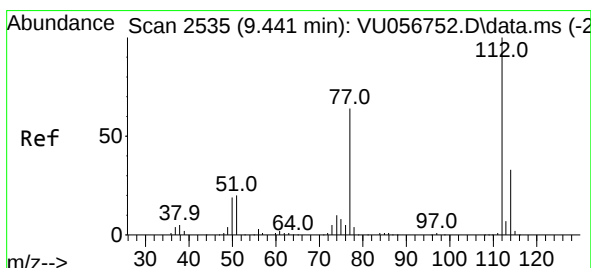
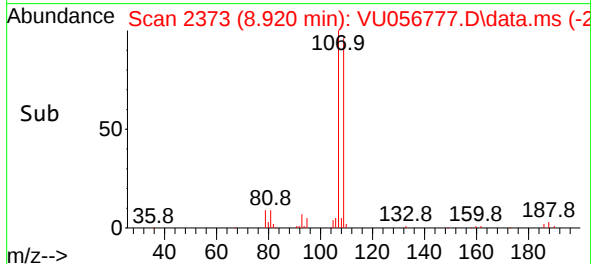
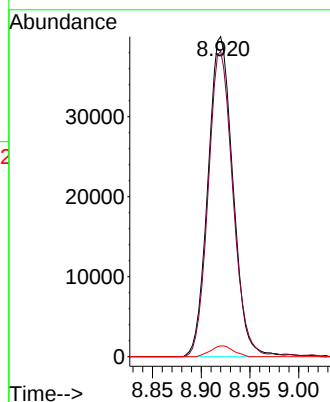
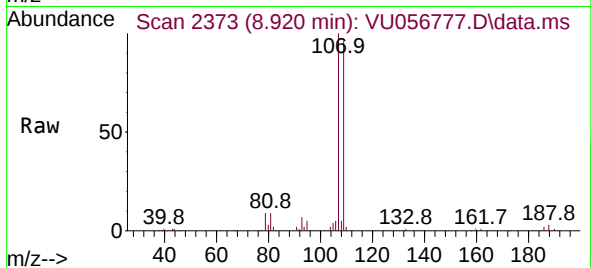
Tgt Ion:107 Resp: 71281

Ion Ratio Lower Upper

107 100

109 95.5 66.5 123.5

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 4.822 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

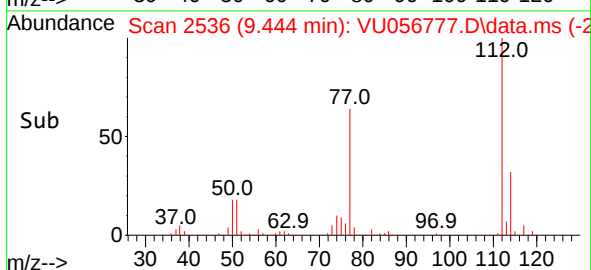
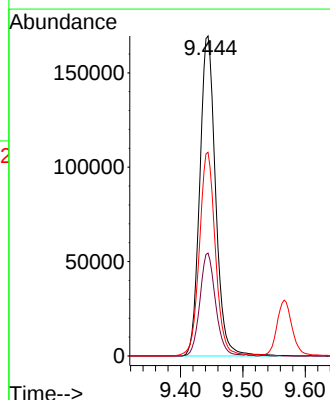
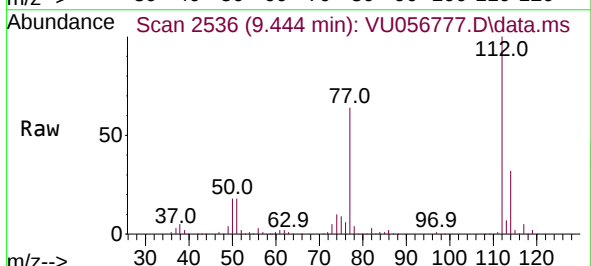
Tgt Ion:112 Resp: 298938

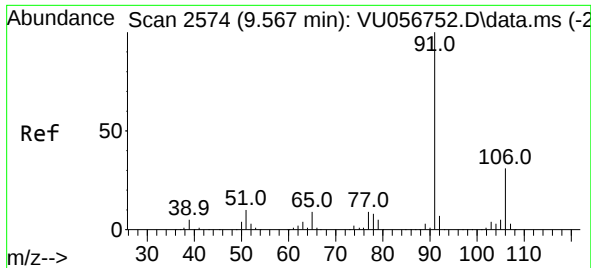
Ion Ratio Lower Upper

112 100

114 32.1 21.9 40.7

77 63.6 51.6 77.4

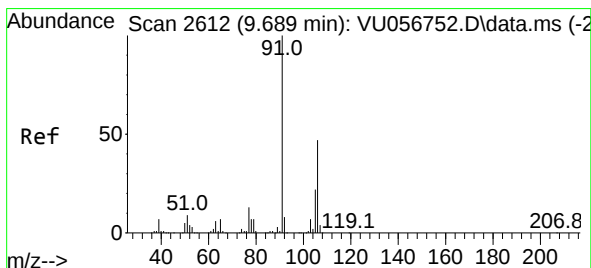
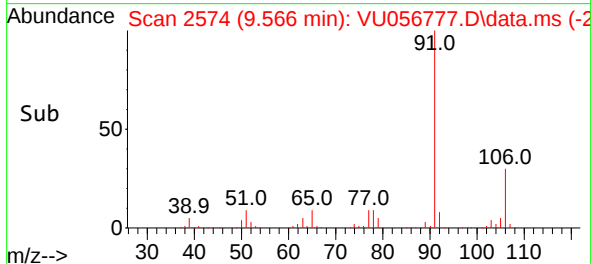
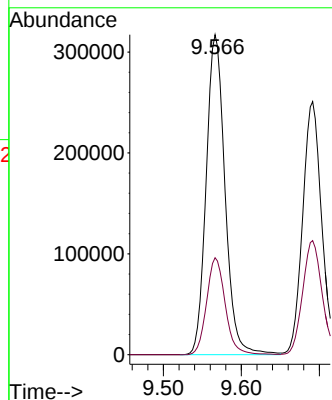
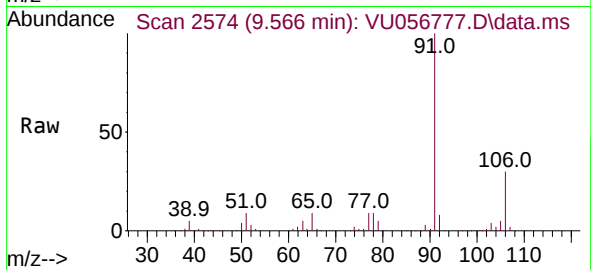




#52
Ethylbenzene
Concen: 4.962 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

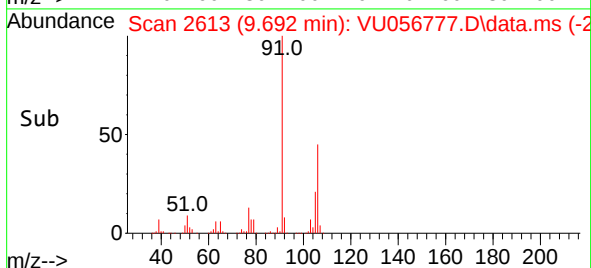
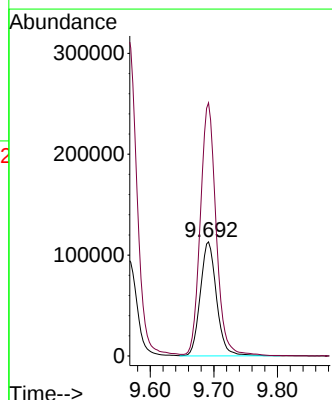
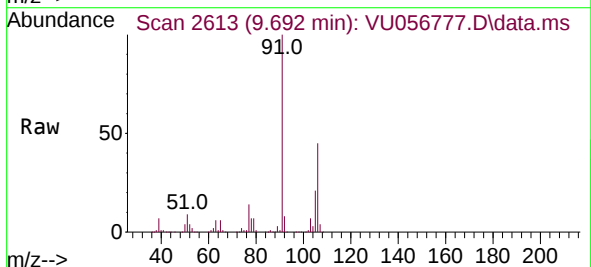
Instrument :
MSVOA_U
ClientSampleId :

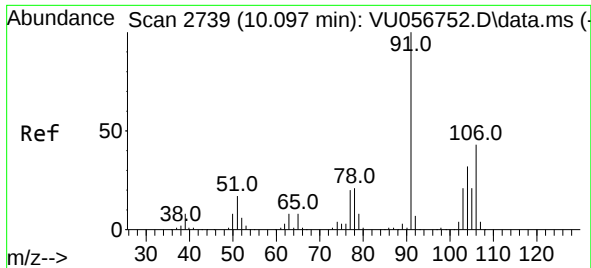
Tgt Ion: 91 Resp: 532360
Ion Ratio Lower Upper
91 100
106 30.3 20.6 38.4



#53
m,p-Xylene
Concen: 5.005 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

Tgt Ion:106 Resp: 200081
Ion Ratio Lower Upper
106 100
91 221.7 154.0 286.0

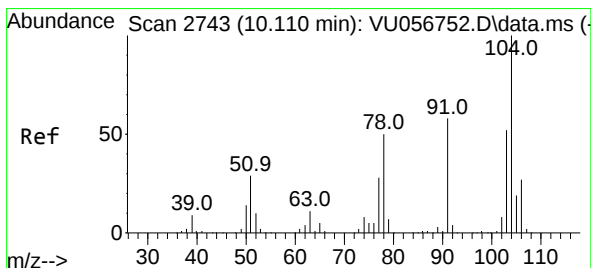
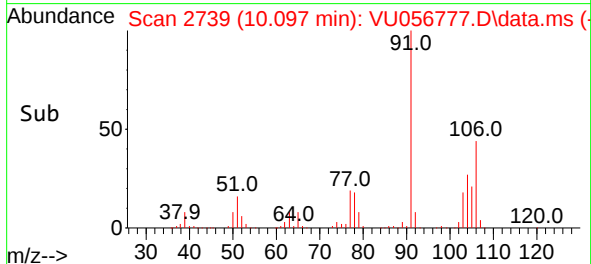
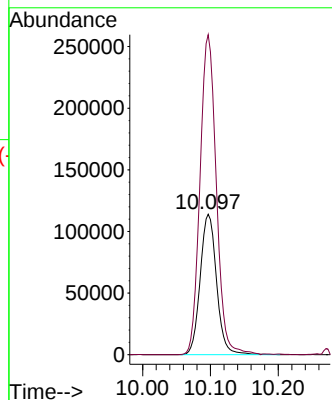
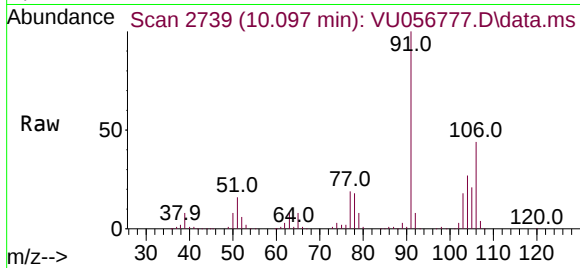




#54
o-Xylene
Concen: 5.017 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

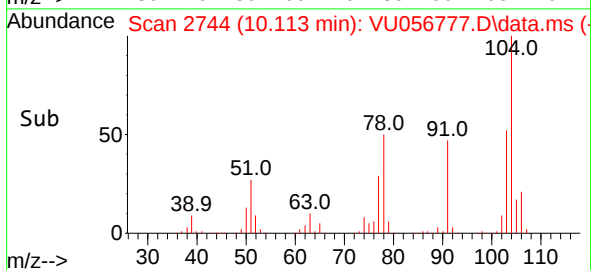
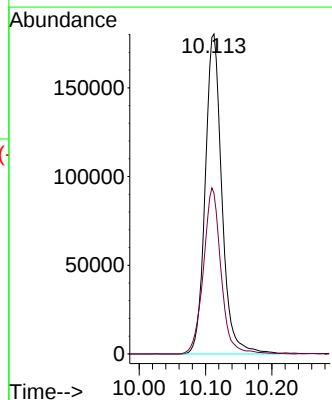
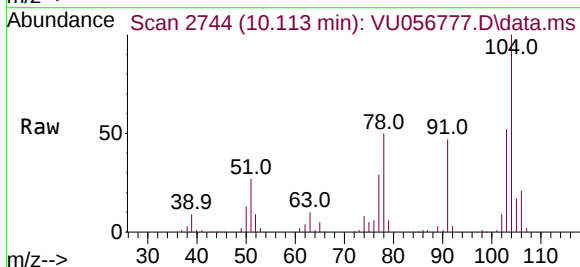
Instrument :
MSVOA_U
ClientSampleId :

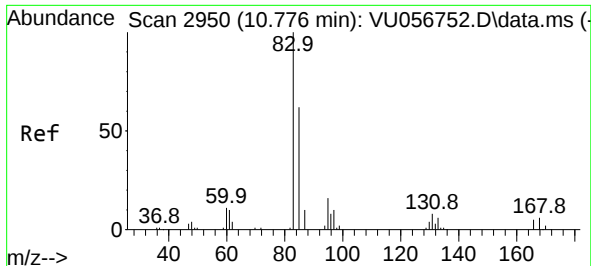
Tgt Ion:106 Resp: 191071
Ion Ratio Lower Upper
106 100
91 227.7 160.2 297.6



#55
Styrene
Concen: 5.054 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

Tgt Ion:104 Resp: 316055
Ion Ratio Lower Upper
104 100
78 50.3 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.551 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

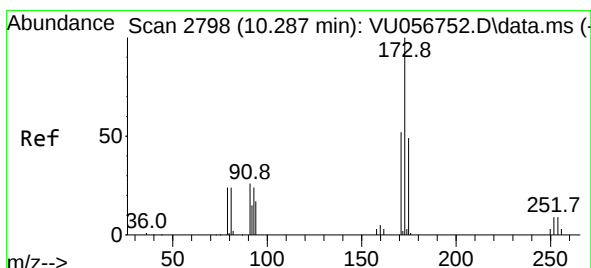
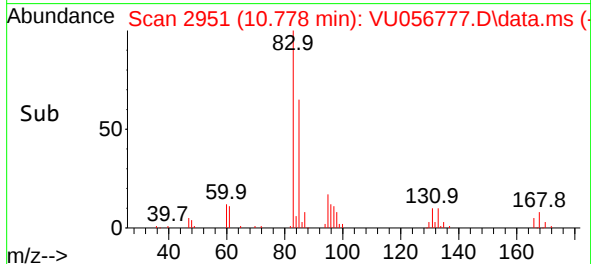
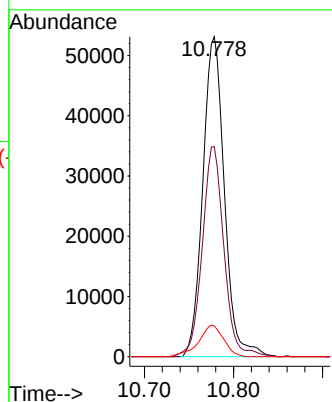
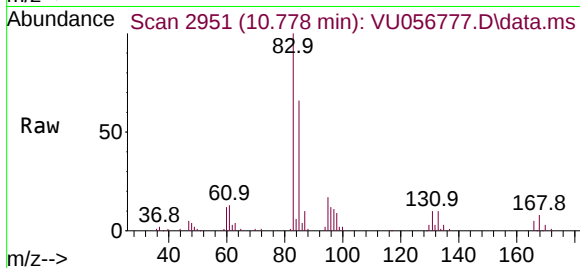
Tgt Ion: 83 Resp: 89372

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.4

131 9.6 6.6 9.8



#59

Bromoform

Concen: 4.651 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

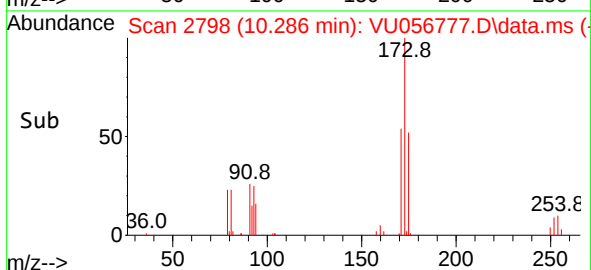
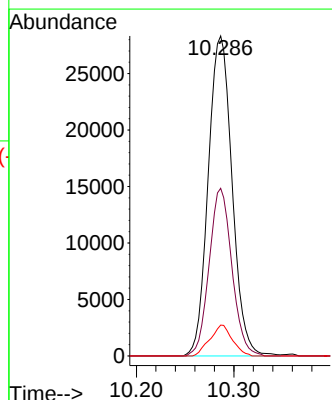
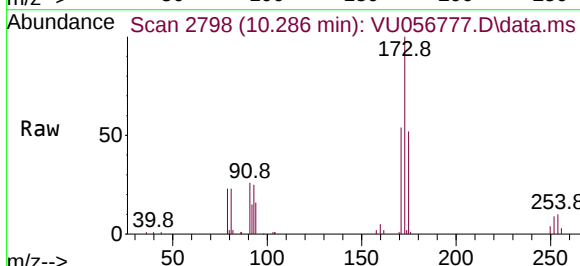
Tgt Ion:173 Resp: 48184

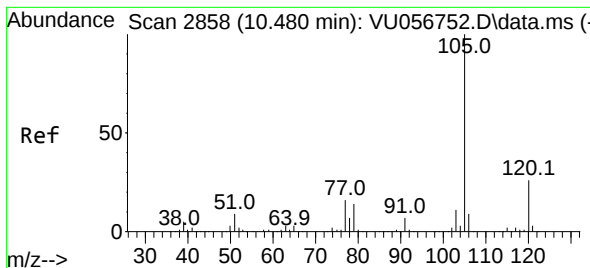
Ion Ratio Lower Upper

173 100

175 49.9 38.2 57.2

254 9.1 7.0 10.4





#60

Isopropylbenzene

Concen: 5.131 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

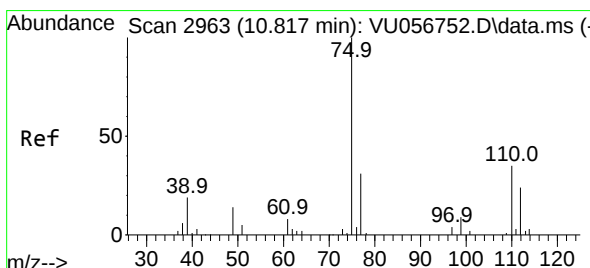
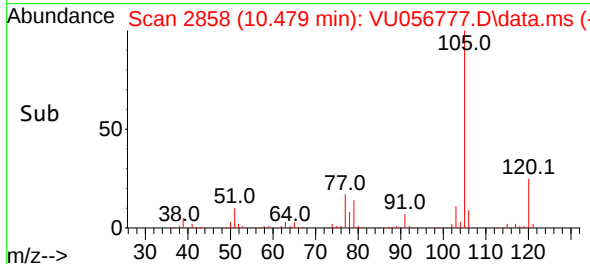
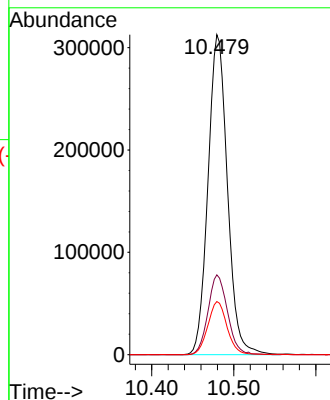
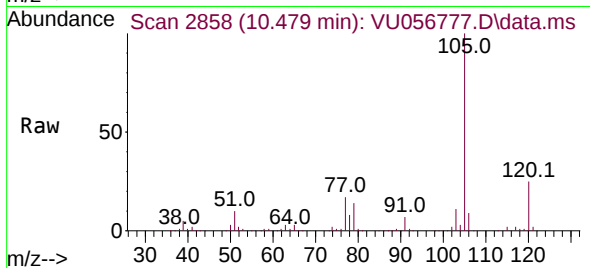
Tgt Ion:105 Resp: 514353

Ion Ratio Lower Upper

105 100

120 25.0 20.1 30.1

77 16.5 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.691 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

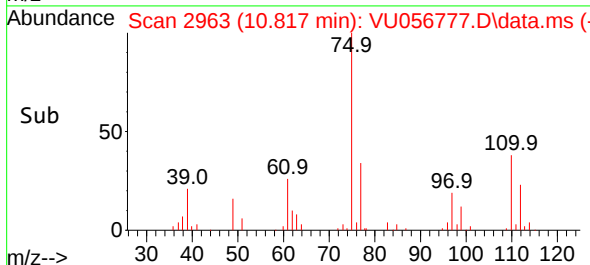
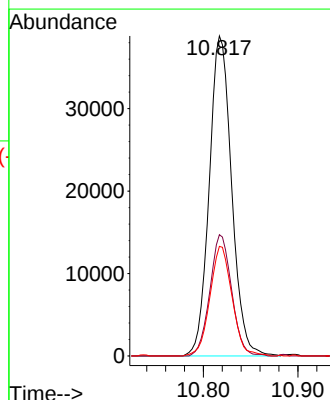
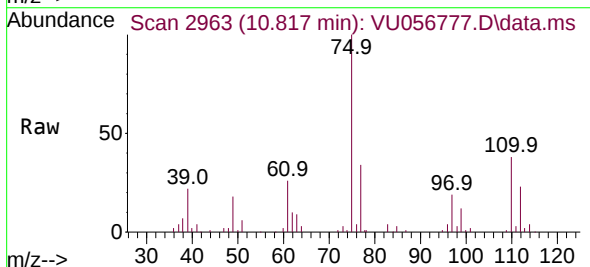
Tgt Ion: 75 Resp: 63902

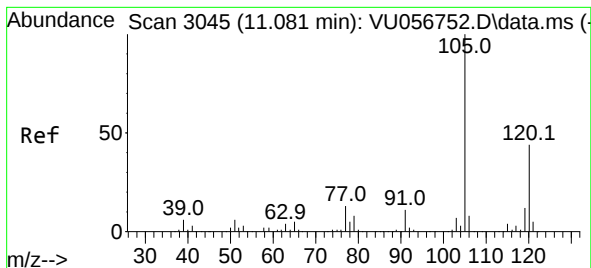
Ion Ratio Lower Upper

75 100

110 36.7 28.4 42.6

77 33.9 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 5.094 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

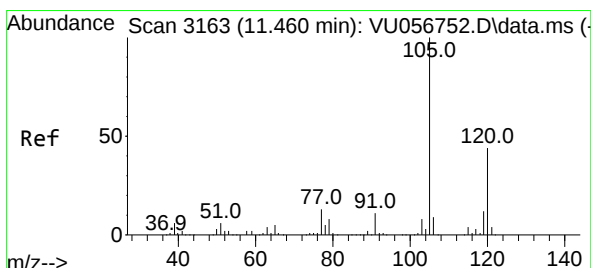
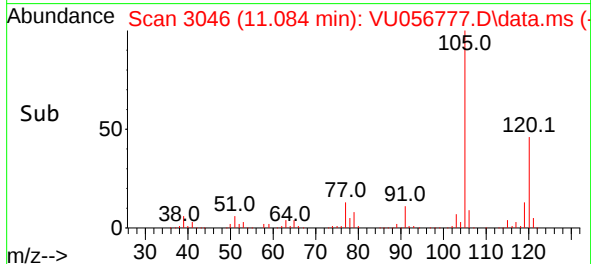
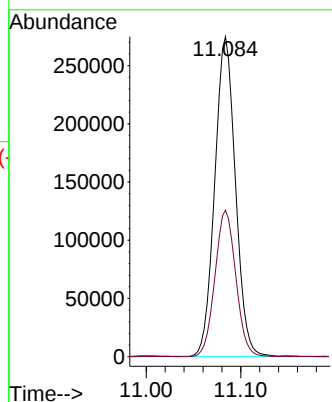
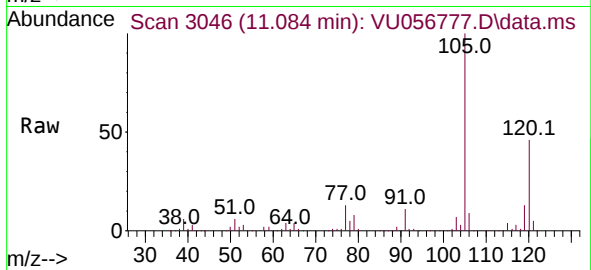
ClientSampleId :

Tgt Ion:105 Resp: 417391

Ion Ratio Lower Upper

105 100

120 46.2 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 5.207 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU056777.D

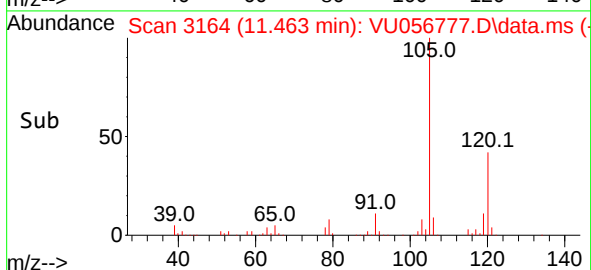
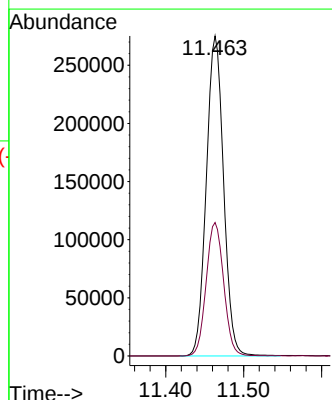
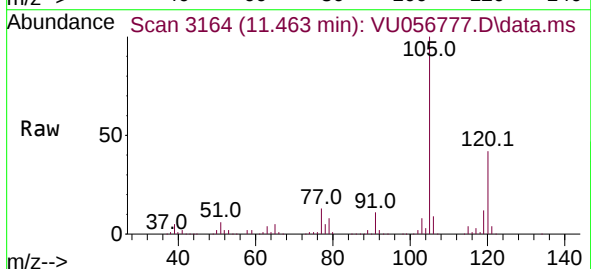
Acq: 12 Dec 2023 10:38

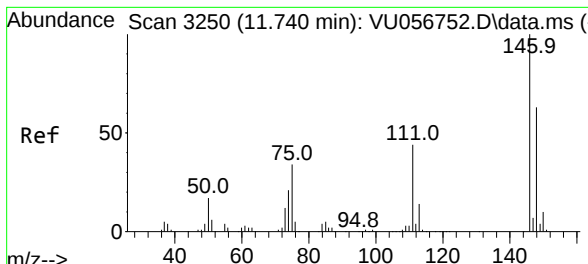
Tgt Ion:105 Resp: 423733

Ion Ratio Lower Upper

105 100

120 42.3 34.2 51.4





#64

1,3-Dichlorobenzene

Concen: 4.791 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

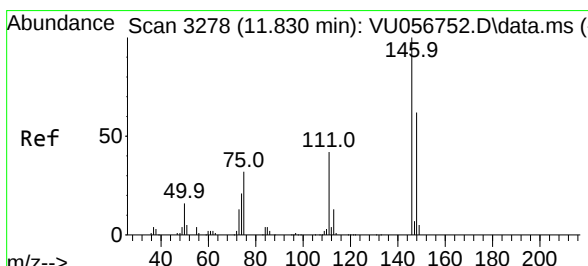
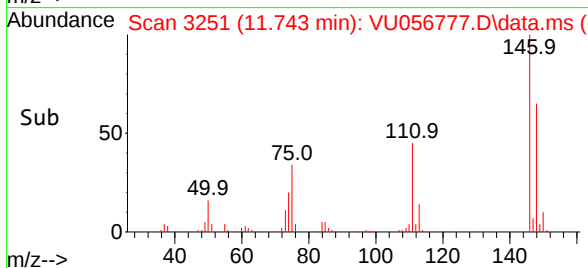
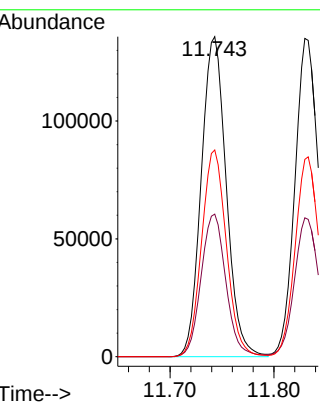
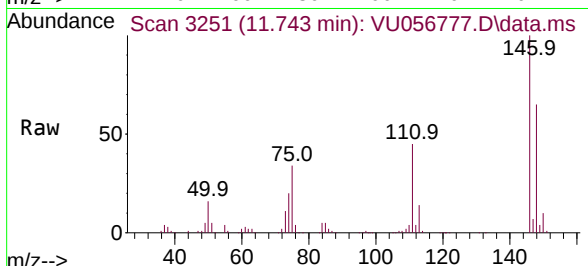
Tgt Ion:146 Resp: 227174

Ion Ratio Lower Upper

146 100

111 44.5 31.7 58.9

148 64.6 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 4.770 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

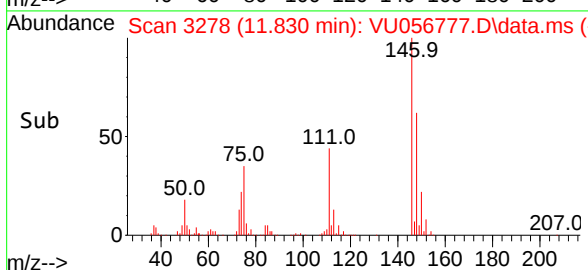
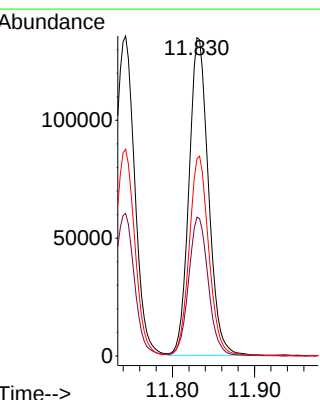
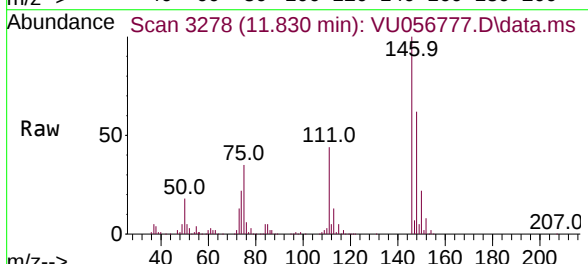
Tgt Ion:146 Resp: 222741

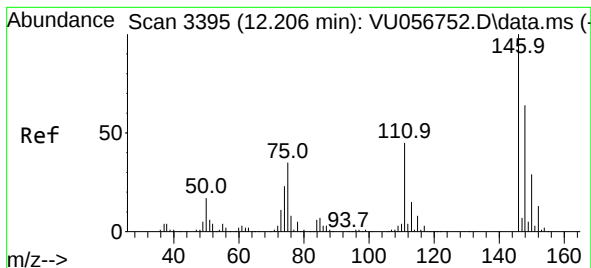
Ion Ratio Lower Upper

146 100

111 43.7 31.2 58.0

148 62.0 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.707 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

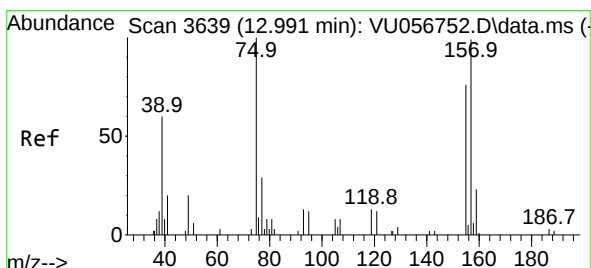
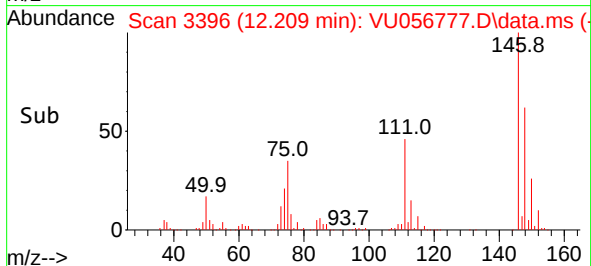
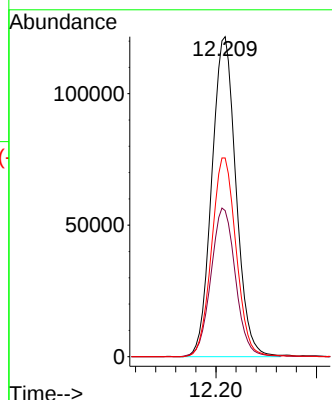
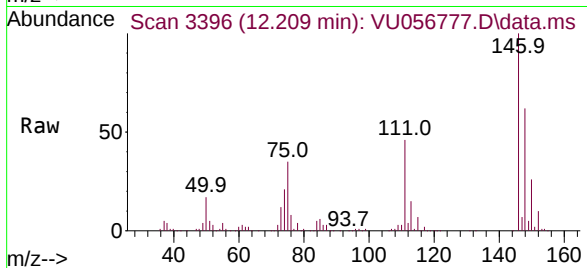
Tgt Ion:146 Resp: 203351

Ion Ratio Lower Upper

146 100

111 45.6 36.9 55.3

148 62.1 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.502 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

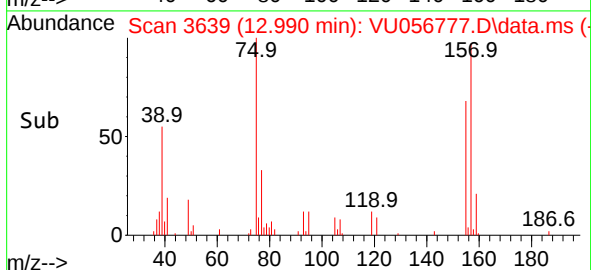
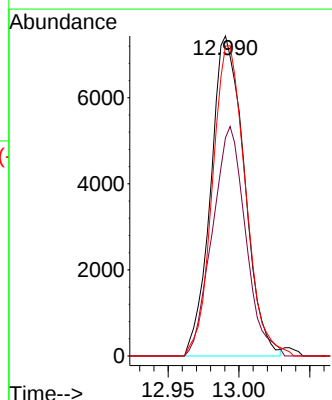
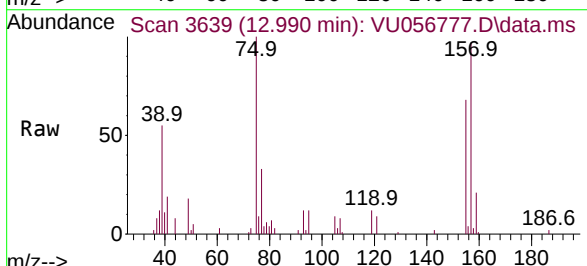
Tgt Ion: 75 Resp: 12244

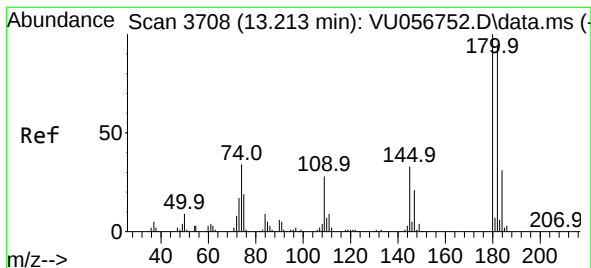
Ion Ratio Lower Upper

75 100

155 68.2 55.4 83.2

157 96.8 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 4.685 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

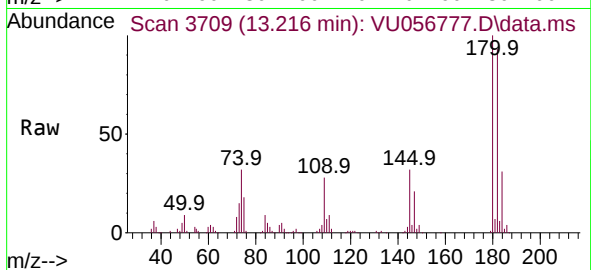
Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 167853

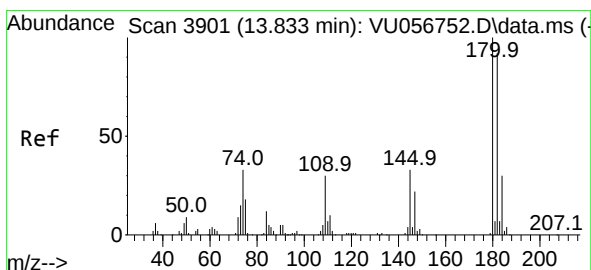
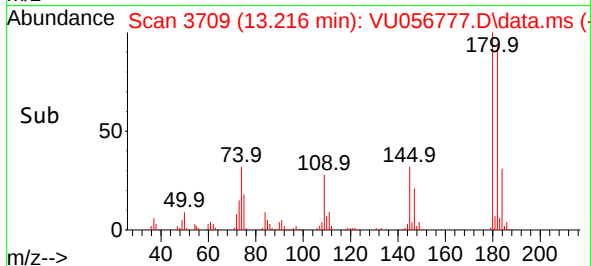
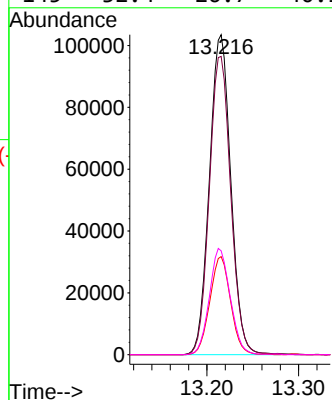
Ion Ratio Lower Upper

180 100

182 93.4 76.2 114.4

184 29.8 24.6 37.0

145 32.4 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 4.481 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU056777.D

Acq: 12 Dec 2023 10:38

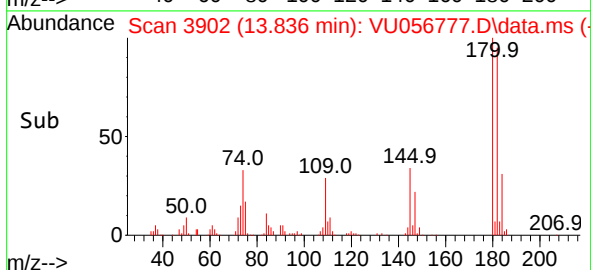
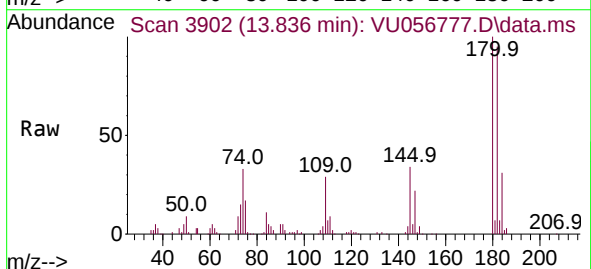
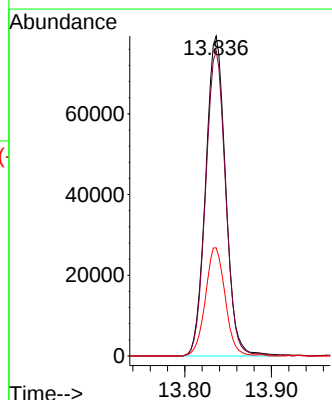
Tgt Ion:180 Resp: 127143

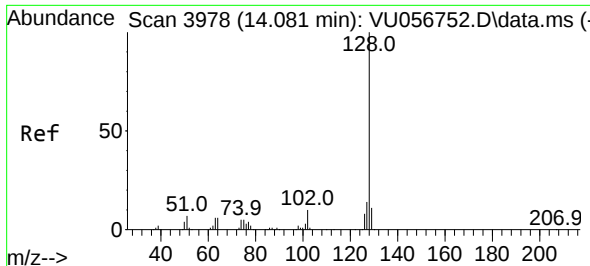
Ion Ratio Lower Upper

180 100

182 95.5 74.3 111.5

145 33.5 26.7 40.1

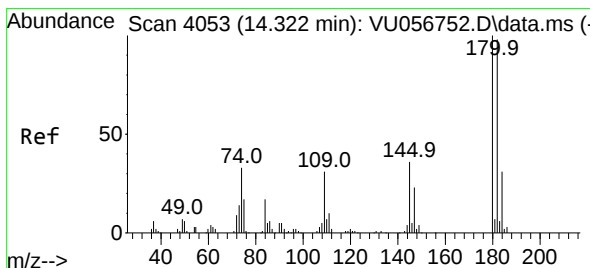
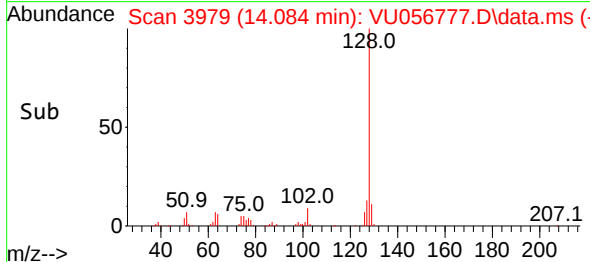
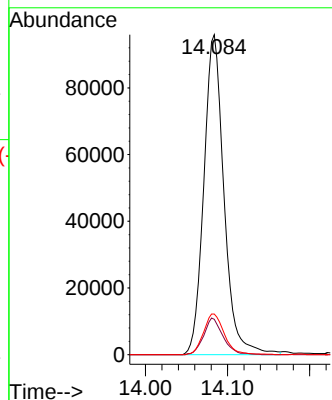
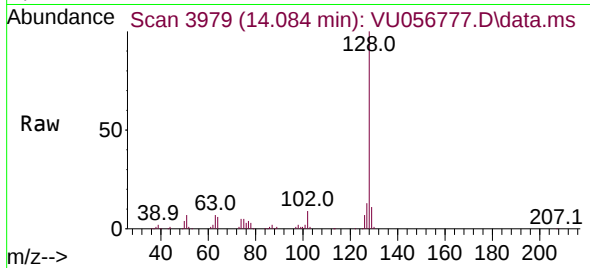




#71
Naphthalene
Concen: 3.944 ug/L
RT: 14.084 min Scan# 3978
Delta R.T. 0.003 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 163785
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.1 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.140 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU056777.D
Acq: 12 Dec 2023 10:38

Tgt Ion:180 Resp: 99725
Ion Ratio Lower Upper
180 100
182 97.9 75.0 112.6
145 36.9 28.6 42.8

