

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092223\
 Data File : VU055479.D
 Acq On : 22 Sep 2023 23:06
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 25 01:16:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Sep 25 01:08:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	327694	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	334475	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	187718	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	110795	3.345	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.000%
7) Chloroethane-d5	1.911	69	106349	3.644	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.800%
11) 1,1-Dichloroethene-d2	2.563	65	49831	3.655	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.200%
20) 2-Butanone-d5	4.631	46	312933	52.311	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.620%
24) Chloroform-d	5.058	84	276300	4.612	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	5.698	65	137511	4.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.724	84	515674	4.408	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.688	67	159352	4.559	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.894	98	466091	4.371	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	8.177	79	56779	4.629	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.631	63	188118	50.417	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.840%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	132059	5.041	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	174247	4.599	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	145370	4.557	ug/L	99
3) Chloromethane	1.515	50	129927	4.629	ug/L	98
5) Vinyl chloride	1.602	62	145164	4.794	ug/L	99
6) Bromomethane	1.856	94	72027	3.745	ug/L	100
8) Chloroethane	1.933	64	89343	4.522	ug/L	98
9) Trichlorofluoromethane	2.136	101	202440	4.821	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	119150	4.663	ug/L	98
12) 1,1-Dichloroethene	2.576	96	113080	4.935	ug/L	91
13) Acetone	2.647	43	150063	44.006	ug/L	97
14) Carbon disulfide	2.792	76	343760	4.991	ug/L	99
15) Methyl Acetate	2.952	43	40035	5.149	ug/L	99
16) Methylene chloride	3.042	84	138650	5.051	ug/L	97
17) Methyl tert-butyl Ether	3.357	73	251927	5.069	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	114804	4.971	ug/L	99
19) 1,1-Dichloroethane	3.865	63	215038	5.035	ug/L	100
21) 2-Butanone	4.714	43	253771	50.740	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	129429	4.834	ug/L	98
23) Bromochloromethane	4.968	128	55482	4.903	ug/L	94
25) Chloroform	5.084	83	230573	5.099	ug/L	96

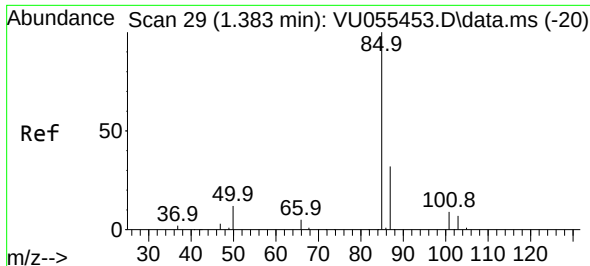
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092223\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	138705	5.002	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	198531	5.207	ug/L	99
30) Cyclohexane	5.386	56	174341	4.995	ug/L	100
31) Carbon tetrachloride	5.521	117	170915	5.229	ug/L	98
33) Benzene	5.772	78	493214	5.123	ug/L	100
34) Trichloroethene	6.537	95	133487	4.902	ug/L	99
35) Methylcyclohexane	6.759	83	186277	4.749	ug/L	98
37) 1,2-Dichloropropane	6.788	63	121521	4.827	ug/L	99
38) Bromodichloromethane	7.103	83	154959	5.252	ug/L	95
39) cis-1,3-Dichloropropene	7.605	75	171903	5.116	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	594103	52.020	ug/L	99
42) Toluene	7.965	91	530592	5.167	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	139395	5.185	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	89158	5.051	ug/L	99
47) Tetrachloroethene	8.550	164	95343	4.881	ug/L	92
48) 2-Hexanone	8.682	43	463043	52.314	ug/L	97
49) Dibromochloromethane	8.807	129	100325	5.422	ug/L	91
50) 1,2-Dibromoethane	8.920	107	84768	5.174	ug/L	99
51) Chlorobenzene	9.444	112	332325	5.053	ug/L	97
52) Ethylbenzene	9.566	91	561521	5.101	ug/L	98
53) m,p-Xylene	9.692	106	215976	5.235	ug/L	99
54) o-Xylene	10.097	106	205760	5.130	ug/L	99
55) Styrene	10.113	104	349391	5.387	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.778	83	104371	5.237	ug/L	98
59) Bromoform	10.286	173	53354	5.303	ug/L	100
60) Isopropylbenzene	10.483	105	552201	5.104	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	75662	5.163	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	444079	5.133	ug/L	98
63) 1,2,4-Trimethylbenzene	11.466	105	432593	5.108	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	261568	5.050	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	257477	4.974	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	241291	5.081	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.990	75	14227	5.601	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	175225	4.912	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	133932	4.925	ug/L	98
71) Naphthalene	14.084	128	189571	4.815	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	117646	4.972	ug/L	98

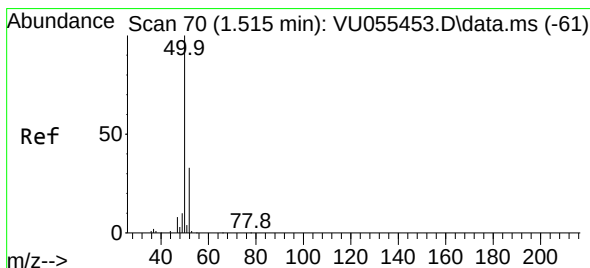
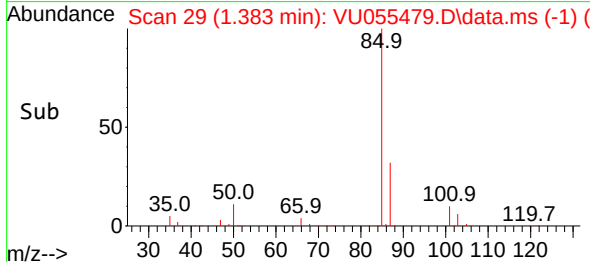
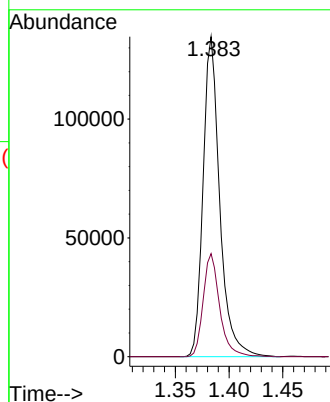
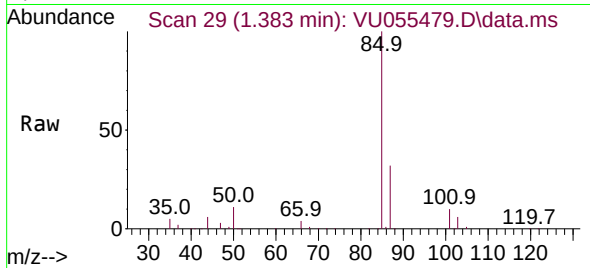
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#2
 Dichlorodifluoromethane
 Concen: 4.557 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055479.D
 Acq: 22 Sep 2023 23:06

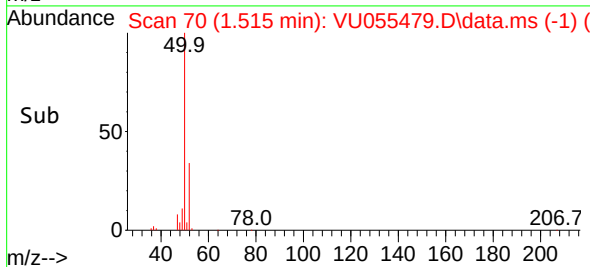
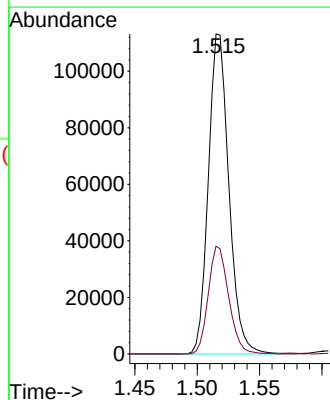
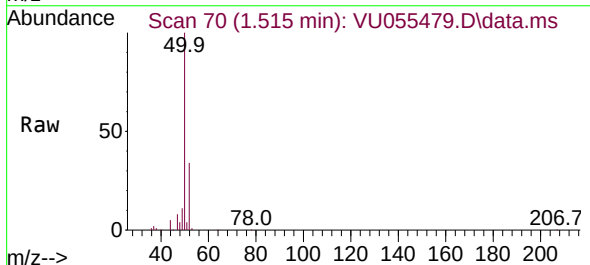
Instrument :
 MSVOA_U
 ClientSampleId :

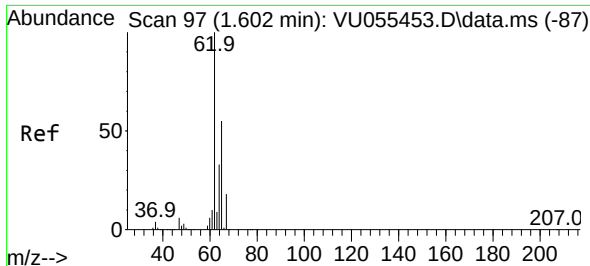
Tgt Ion: 85 Resp: 145370
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.0 39.0



#3
 Chloromethane
 Concen: 4.629 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU055479.D
 Acq: 22 Sep 2023 23:06

Tgt Ion: 50 Resp: 129927
 Ion Ratio Lower Upper
 50 100
 52 33.7 22.9 42.5

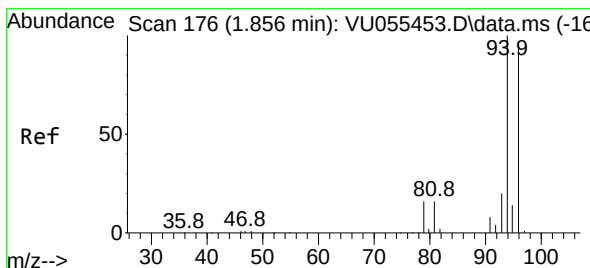
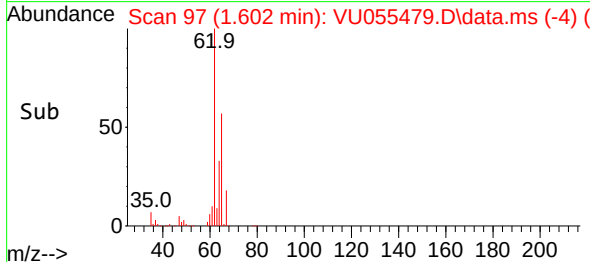
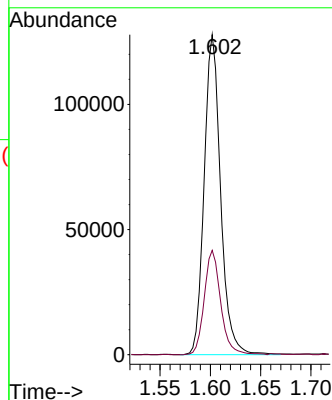
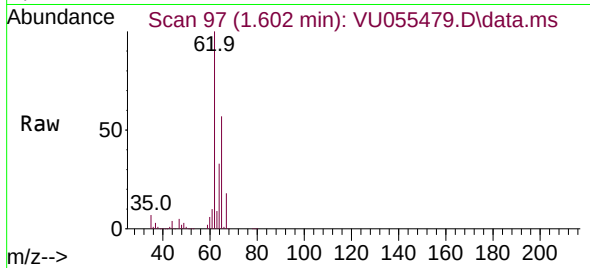




#5
 Vinyl chloride
 Concen: 4.794 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055479.D
 Acq: 22 Sep 2023 23:06

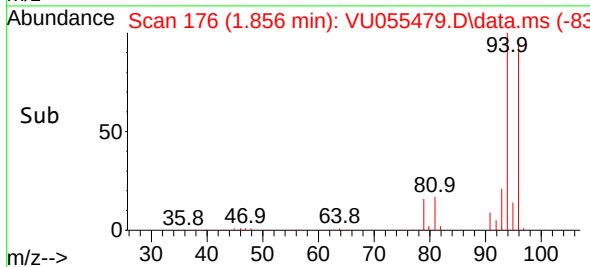
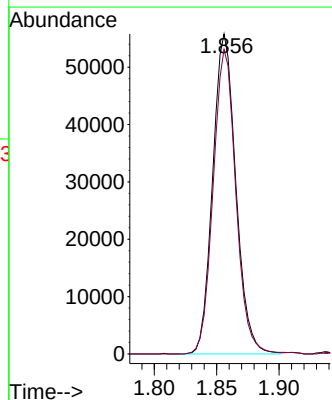
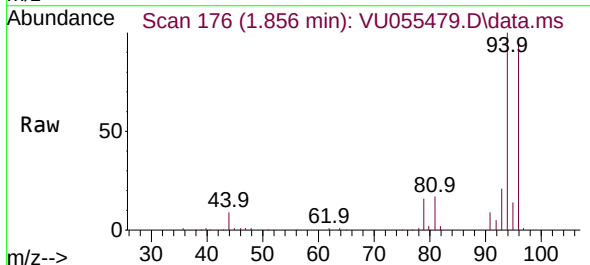
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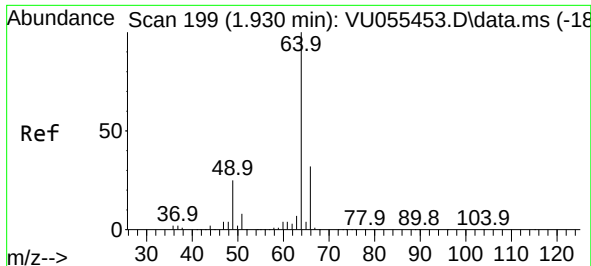
Tgt Ion: 62 Resp: 145164
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.3 41.5



#6
 Bromomethane
 Concen: 3.745 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU055479.D
 Acq: 22 Sep 2023 23:06

Tgt Ion: 94 Resp: 72027
 Ion Ratio Lower Upper
 94 100
 96 95.2 66.4 123.2

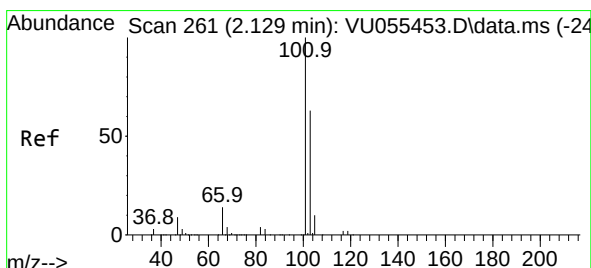
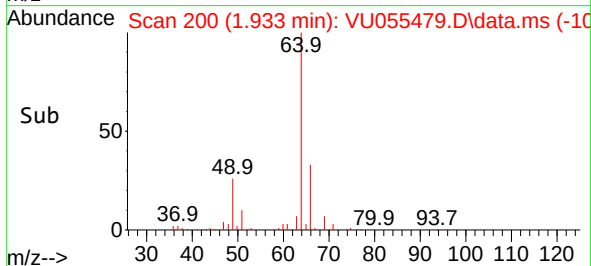
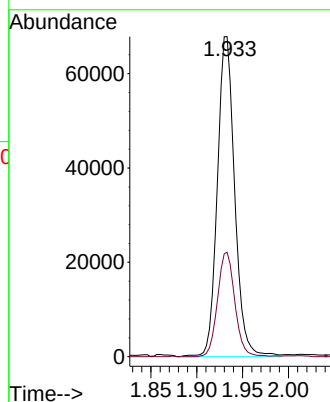
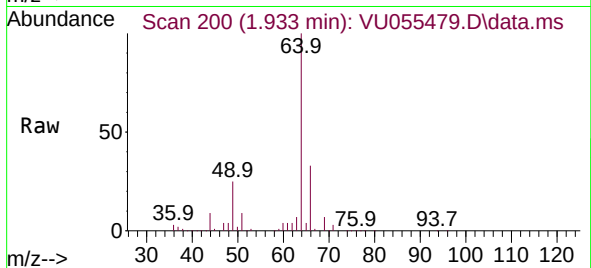




#8
Chloroethane
Concen: 4.522 ug/L
RT: 1.933 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

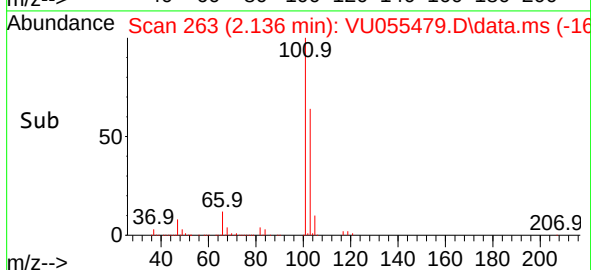
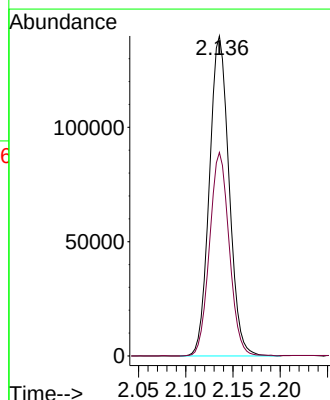
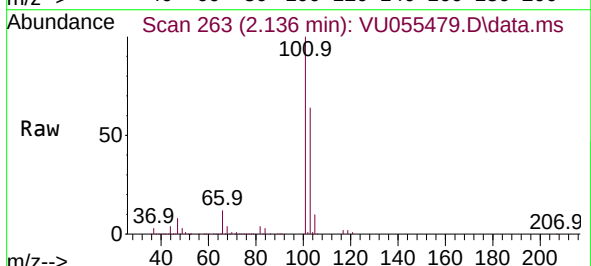
Instrument :
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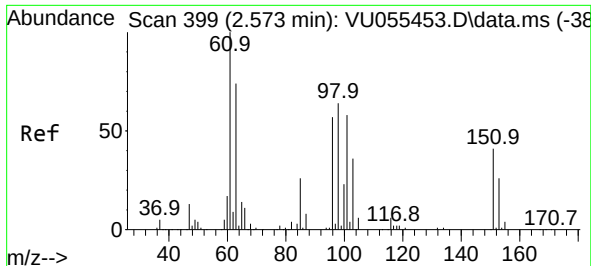
Tgt Ion: 64 Resp: 89343
Ion Ratio Lower Upper
64 100
66 32.6 23.7 44.1



#9
Trichlorofluoromethane
Concen: 4.821 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.006 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

Tgt Ion:101 Resp: 202440
Ion Ratio Lower Upper
101 100
103 63.6 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.663 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

ClientSampleId :

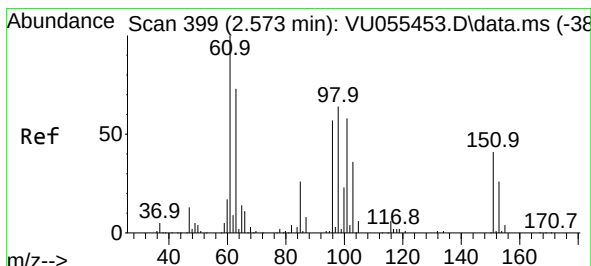
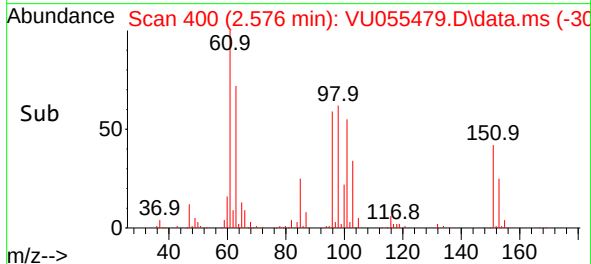
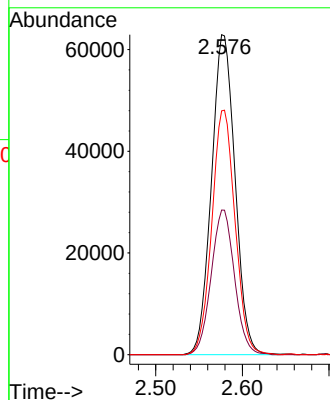
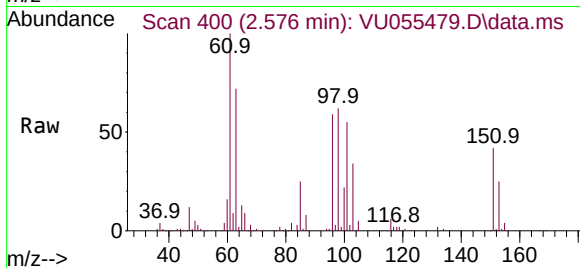
Tgt Ion:101 Resp: 119150

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

151 75.2 58.2 87.4



#12

1,1-Dichloroethene

Concen: 4.935 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

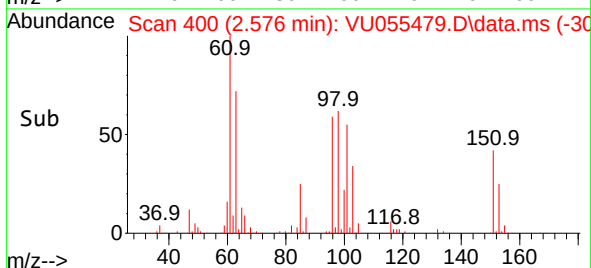
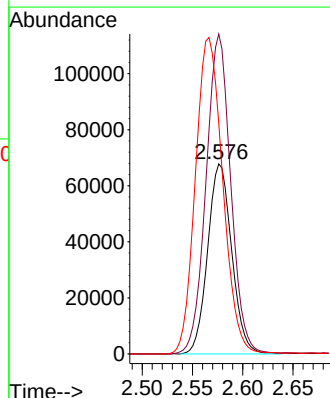
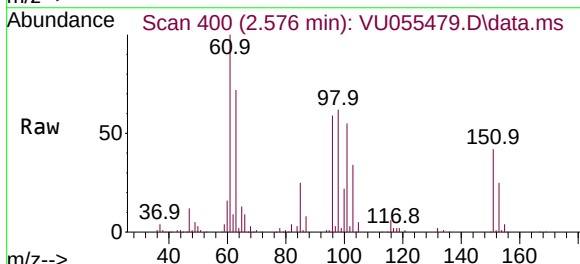
Tgt Ion: 96 Resp: 113080

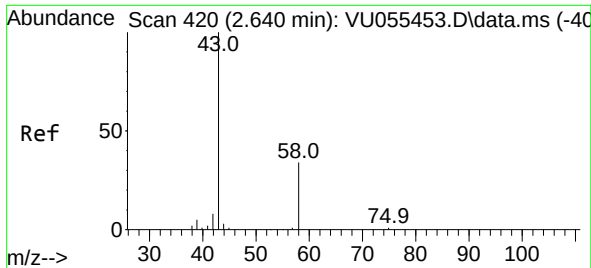
Ion Ratio Lower Upper

96 100

61 168.4 114.5 212.7

63 121.4 98.3 182.5





#13

Acetone

Concen: 44.006 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

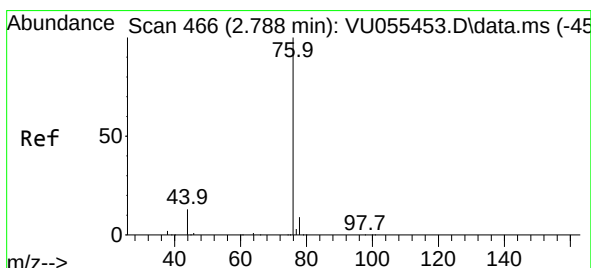
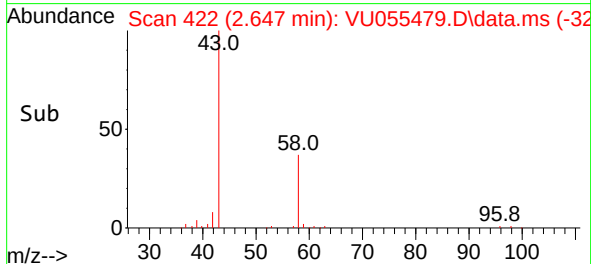
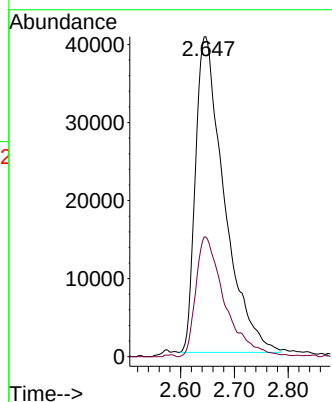
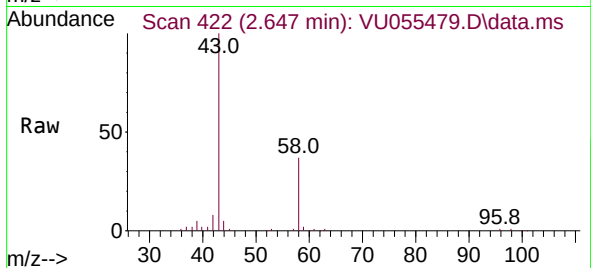
ClientSampleId :

Tgt Ion: 43 Resp: 150063

Ion Ratio Lower Upper

43 100

58 38.0 0.0 72.2



#14

Carbon disulfide

Concen: 4.991 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU055479.D

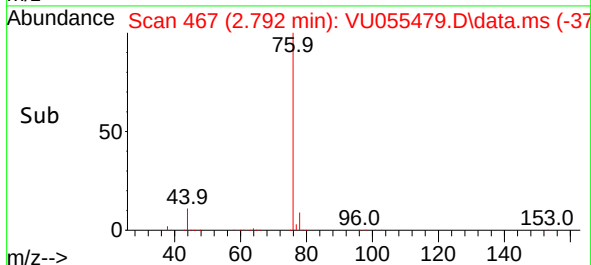
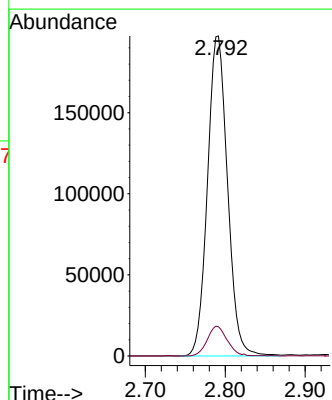
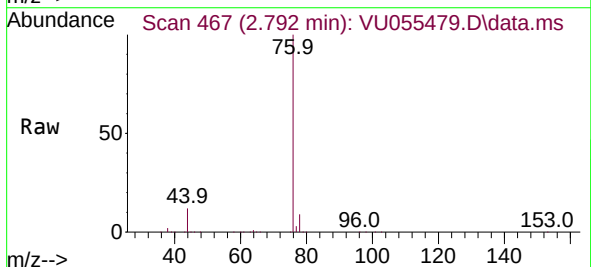
Acq: 22 Sep 2023 23:06

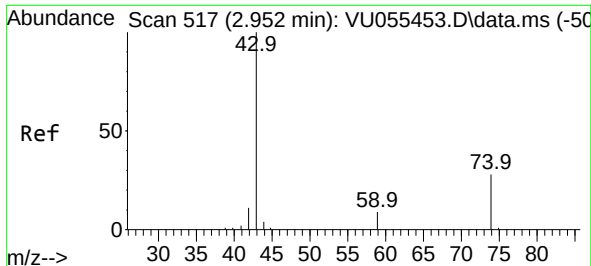
Tgt Ion: 76 Resp: 343760

Ion Ratio Lower Upper

76 100

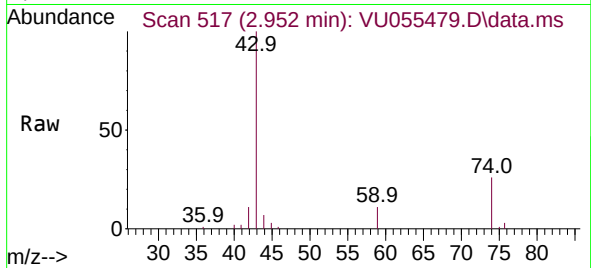
78 9.1 7.7 11.5



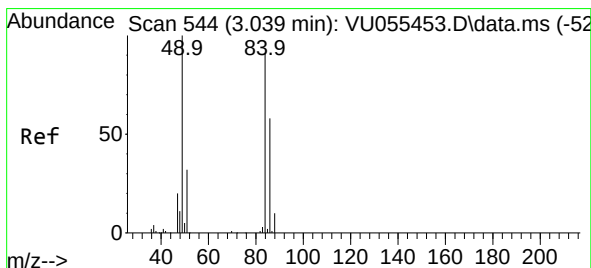
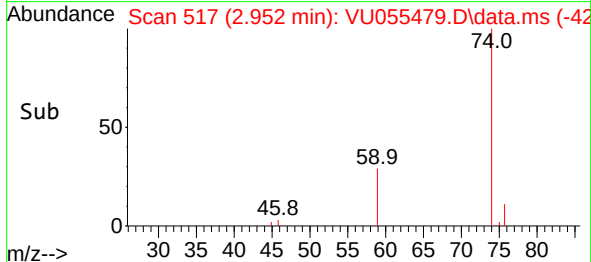
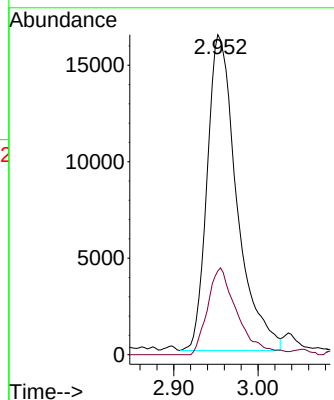


#15
Methyl Acetate
Concen: 5.149 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

Instrument :
MSVOA_U
ClientSampleId :

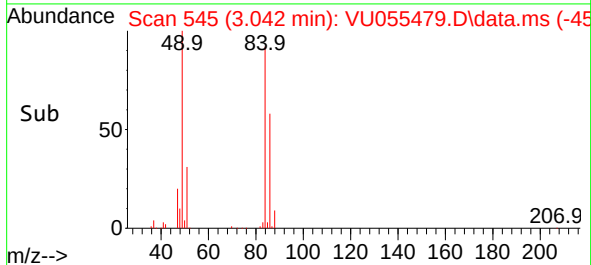
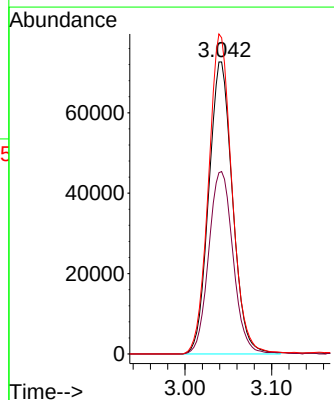
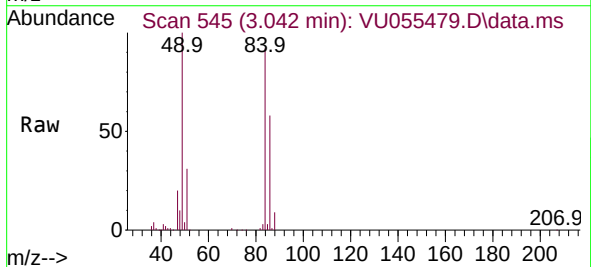


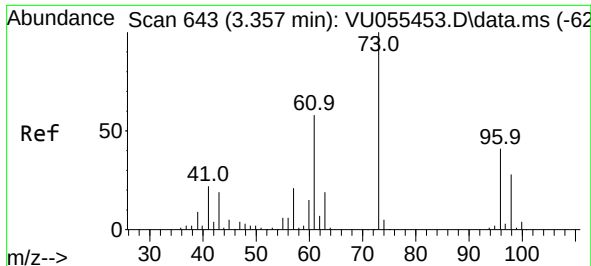
Tgt Ion: 43 Resp: 40035
Ion Ratio Lower Upper
43 100
74 27.5 22.3 33.5



#16
Methylene chloride
Concen: 5.051 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

Tgt Ion: 84 Resp: 138650
Ion Ratio Lower Upper
84 100
86 62.4 44.9 83.3
49 108.3 78.8 146.3

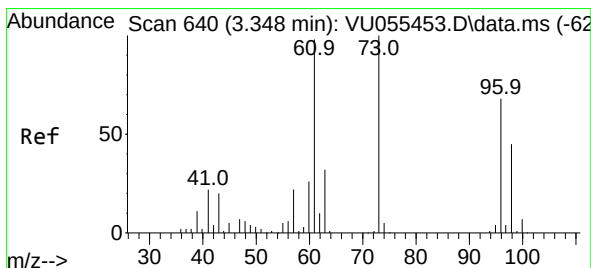
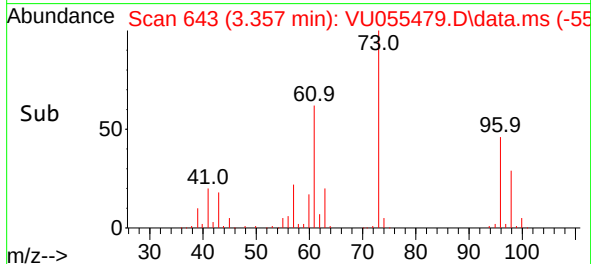
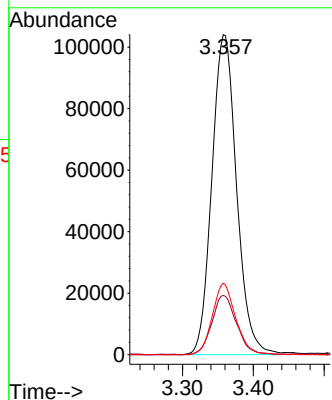
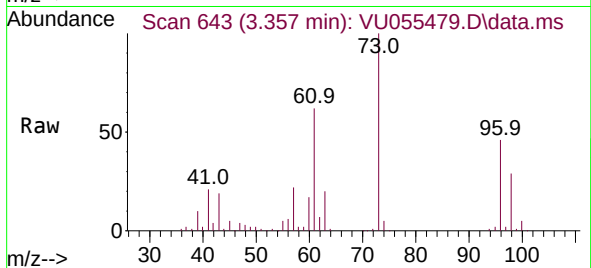




#17
Methyl tert-butyl Ether
Concen: 5.069 ug/L
RT: 3.357 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

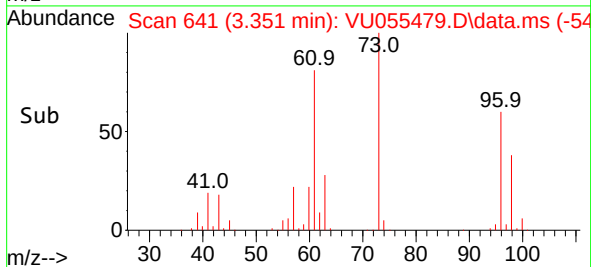
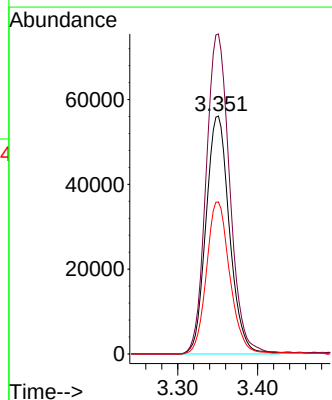
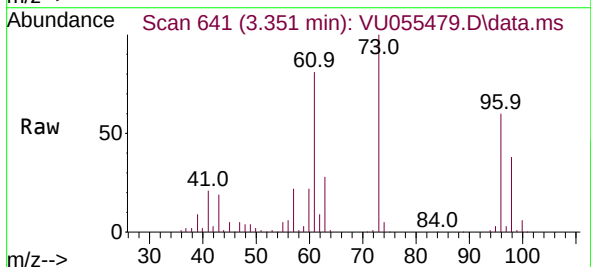
Instrument :
MSVOA_U
ClientSampleId :

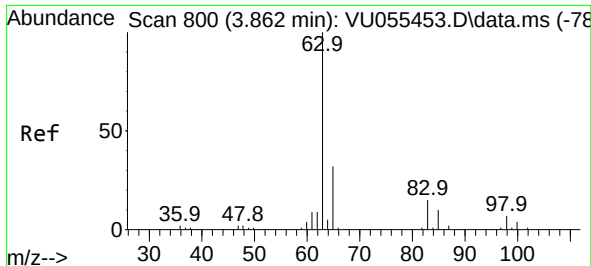
Tgt Ion: 73 Resp: 251927
Ion Ratio Lower Upper
73 100
43 18.6 14.9 22.3
57 21.0 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 4.971 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

Tgt Ion: 96 Resp: 114804
Ion Ratio Lower Upper
96 100
61 134.5 94.6 175.6
98 63.9 45.7 84.9





#19

1,1-Dichloroethane

Concen: 5.035 ug/L

RT: 3.865 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

ClientSampleId :

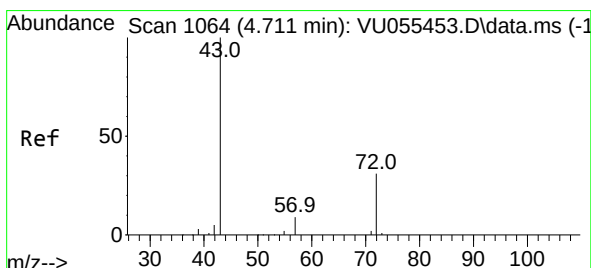
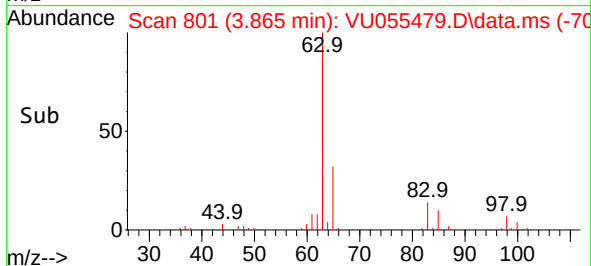
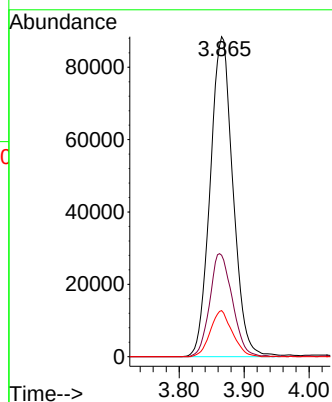
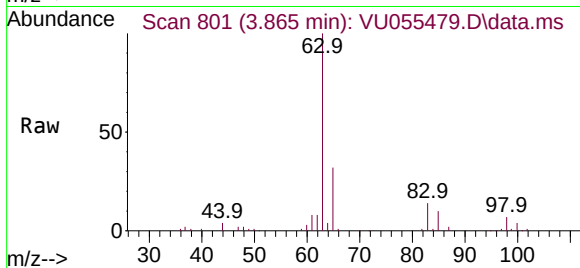
Tgt Ion: 63 Resp: 215038

Ion Ratio Lower Upper

63 100

65 31.7 22.0 41.0

83 14.4 10.1 18.9



#21

2-Butanone

Concen: 50.740 ug/L

RT: 4.714 min Scan# 1065

Delta R.T. 0.003 min

Lab File: VU055479.D

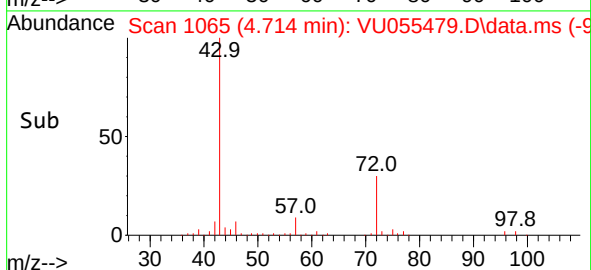
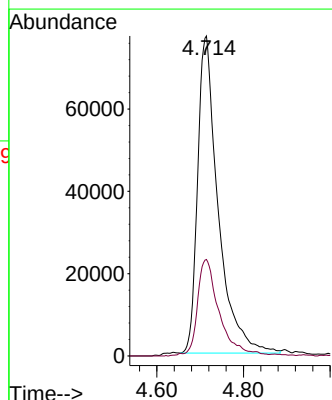
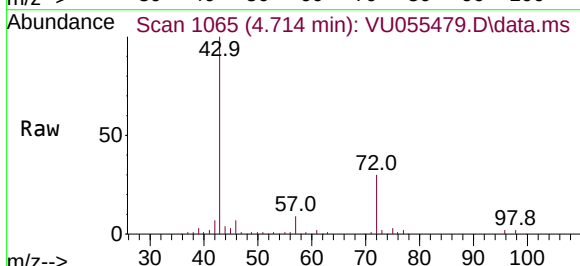
Acq: 22 Sep 2023 23:06

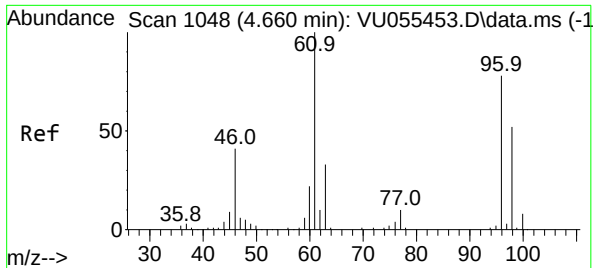
Tgt Ion: 43 Resp: 253771

Ion Ratio Lower Upper

43 100

72 30.1 15.1 45.3

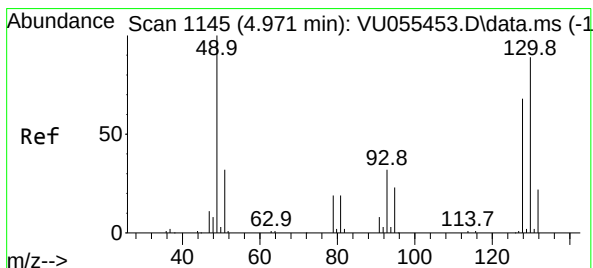
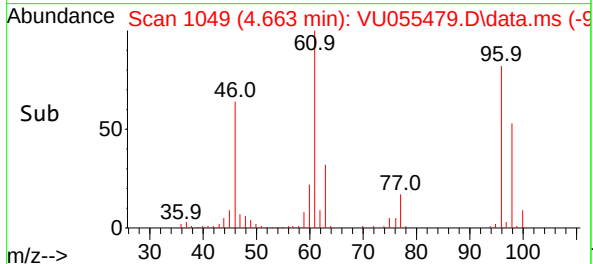
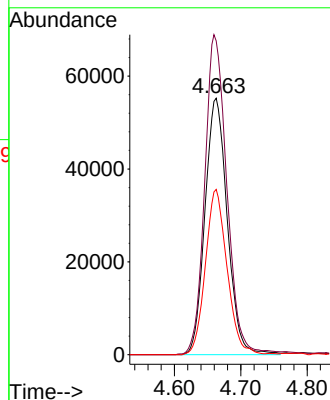
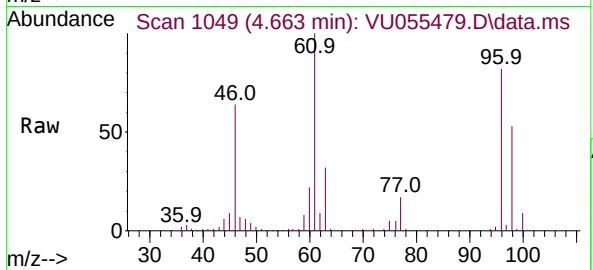




#22
 cis-1,2-Dichloroethene
 Concen: 4.834 ug/L
 RT: 4.663 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU055479.D
 Acq: 22 Sep 2023 23:06

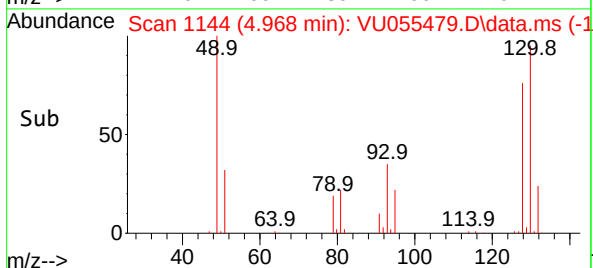
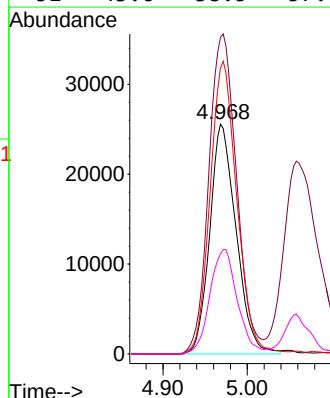
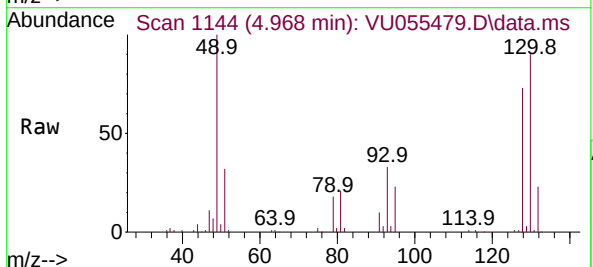
Instrument :
 MSVOA_U
 ClientSampleId :

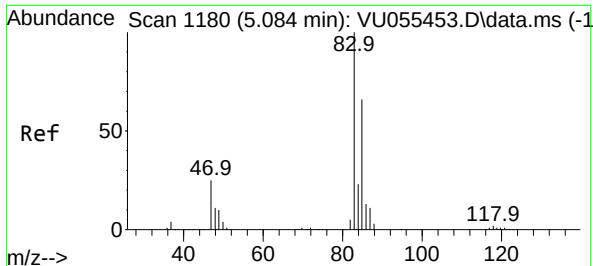
Tgt Ion: 96 Resp: 129429
 Ion Ratio Lower Upper
 96 100
 61 122.3 87.8 163.2
 98 64.4 44.4 82.4



#23
 Bromochloromethane
 Concen: 4.903 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU055479.D
 Acq: 22 Sep 2023 23:06

Tgt Ion: 128 Resp: 55482
 Ion Ratio Lower Upper
 128 100
 49 137.8 102.8 191.0
 130 124.4 89.9 166.9
 51 43.6 38.5 57.7





#25

Chloroform

Concen: 5.099 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

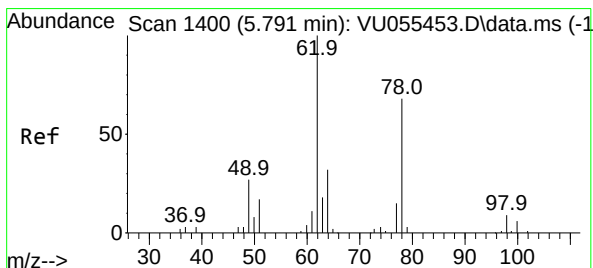
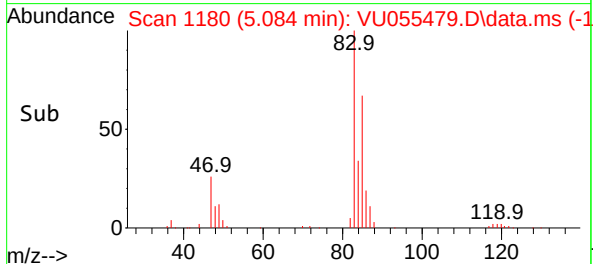
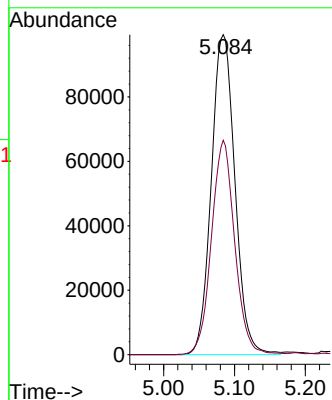
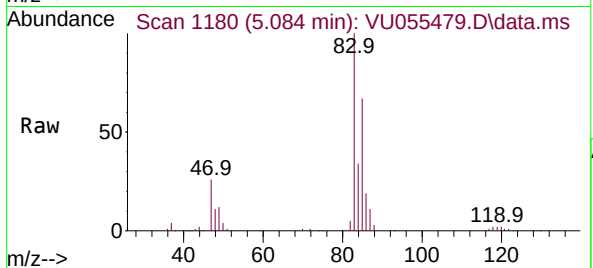
ClientSampleId :

Tgt Ion: 83 Resp: 230573

Ion Ratio Lower Upper

83 100

85 67.0 44.9 83.5



#27

1,2-Dichloroethane

Concen: 5.002 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU055479.D

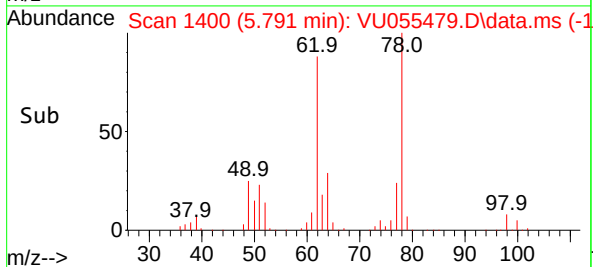
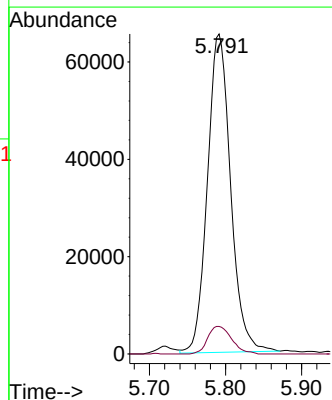
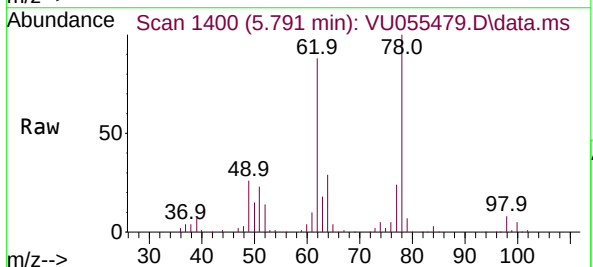
Acq: 22 Sep 2023 23:06

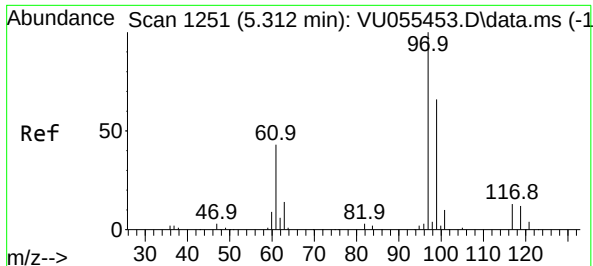
Tgt Ion: 62 Resp: 138705

Ion Ratio Lower Upper

62 100

98 8.6 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 5.207 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

ClientSampleId :

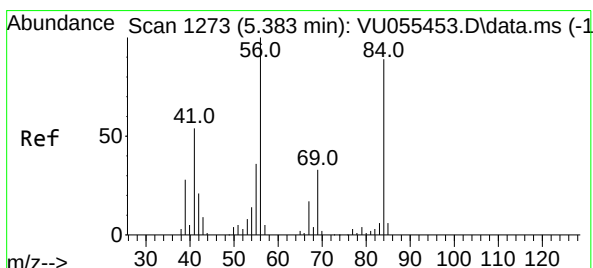
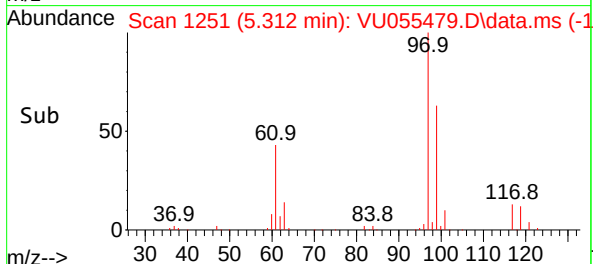
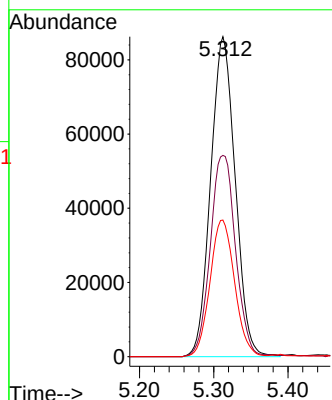
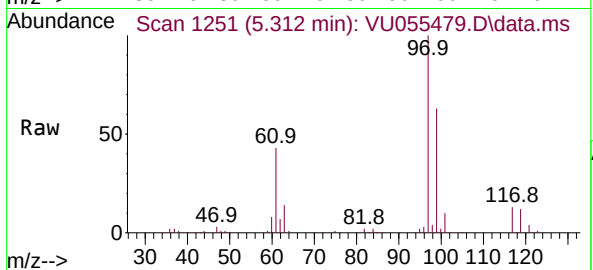
Tgt Ion: 97 Resp: 198531

Ion Ratio Lower Upper

97 100

99 64.8 50.7 76.1

61 42.7 34.6 51.8



#30

Cyclohexane

Concen: 4.995 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.003 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

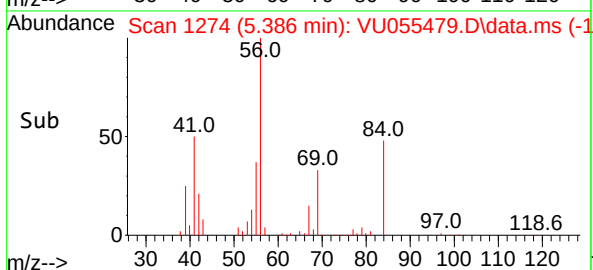
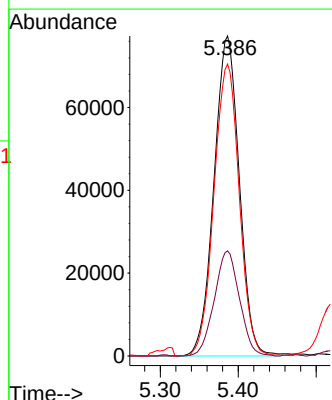
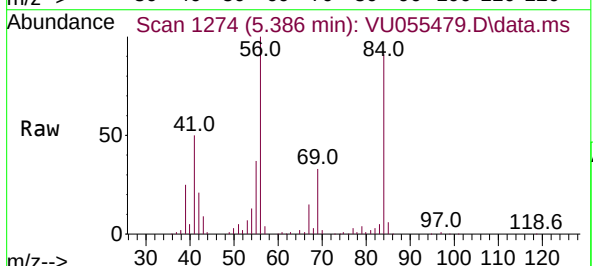
Tgt Ion: 56 Resp: 174341

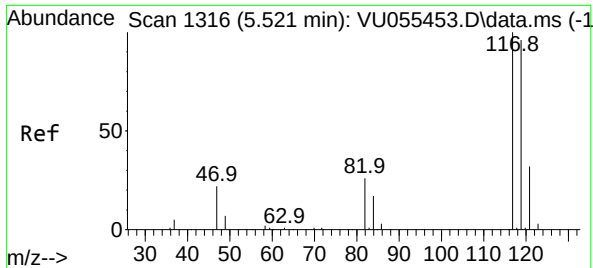
Ion Ratio Lower Upper

56 100

69 32.7 26.5 39.7

84 90.7 72.6 108.8

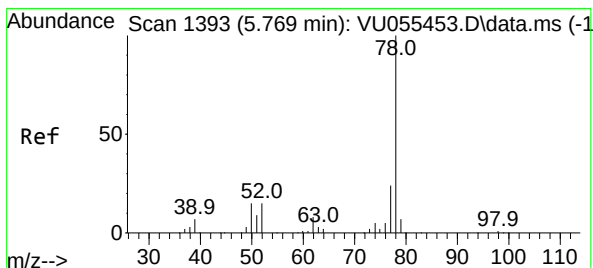
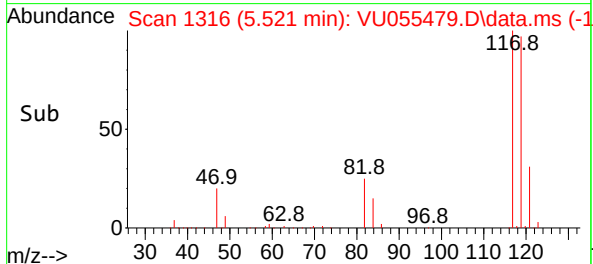
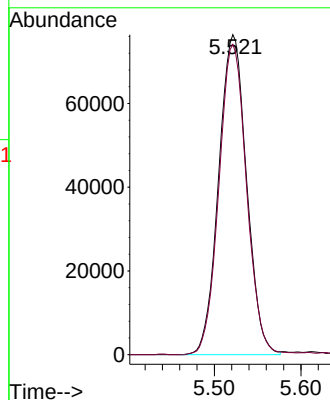
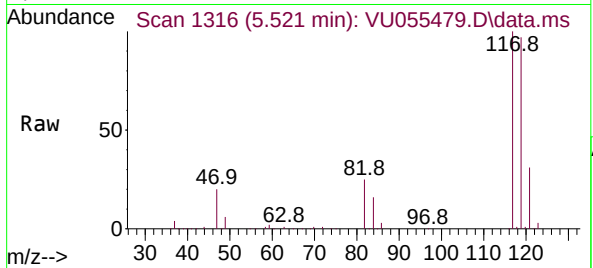




#31
Carbon tetrachloride
Concen: 5.229 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

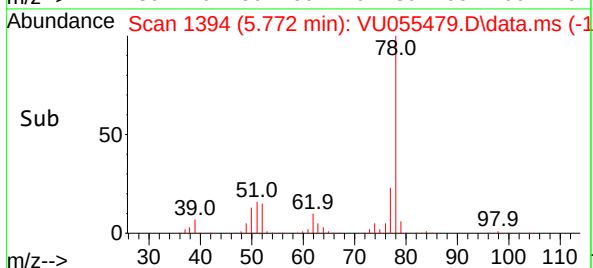
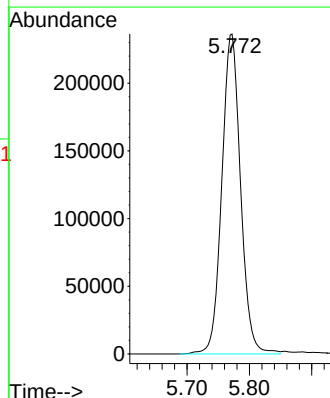
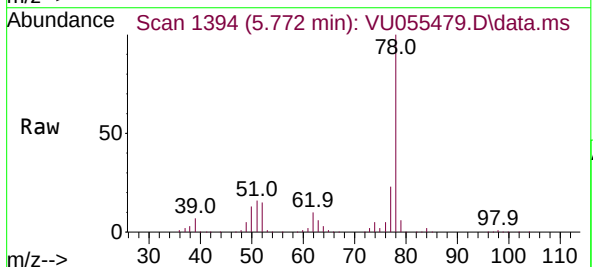
Instrument :
MSVOA_U
ClientSampleId :

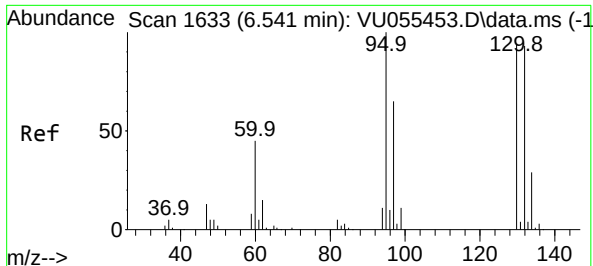
Tgt Ion:117 Resp: 170915
Ion Ratio Lower Upper
117 100
119 96.1 75.2 112.8



#33
Benzene
Concen: 5.123 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

Tgt Ion: 78 Resp: 493214





#34

Trichloroethene

Concen: 4.902 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 133487

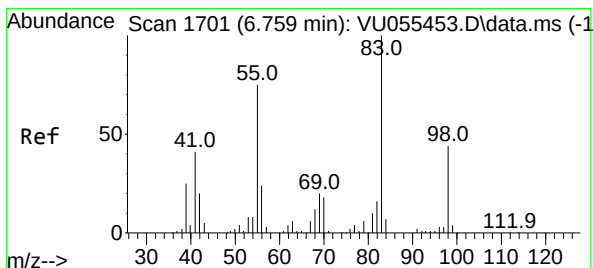
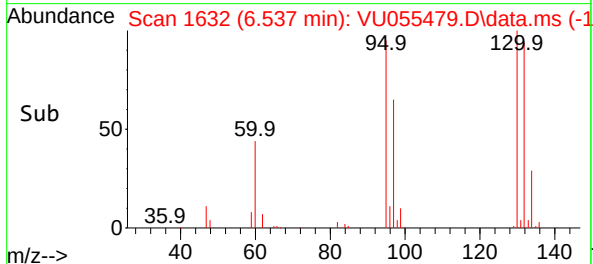
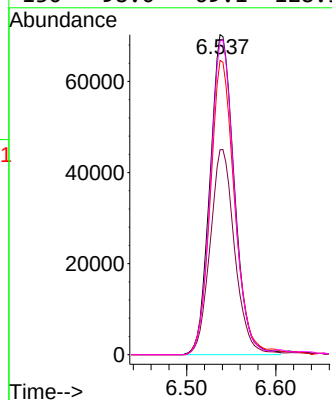
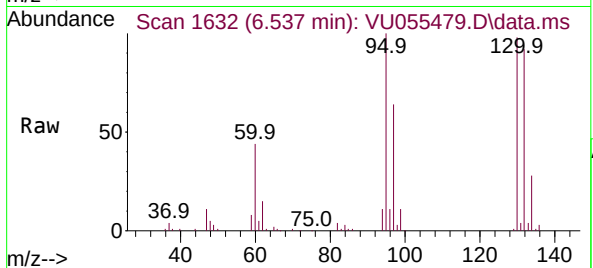
Ion Ratio Lower Upper

95 100

97 64.0 45.4 84.2

132 92.0 65.2 121.2

130 98.0 69.1 128.3



#35

Methylcyclohexane

Concen: 4.749 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

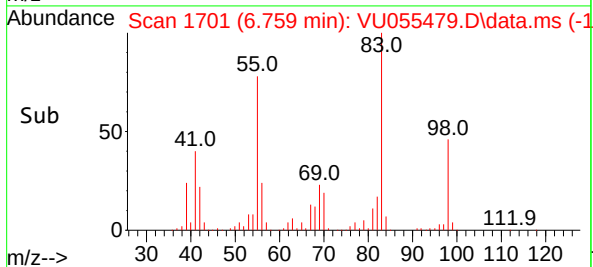
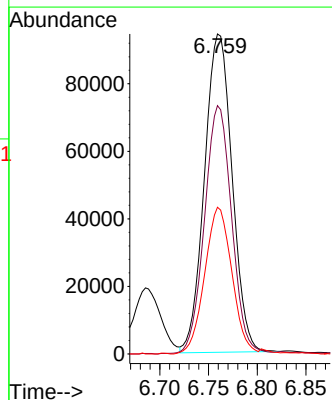
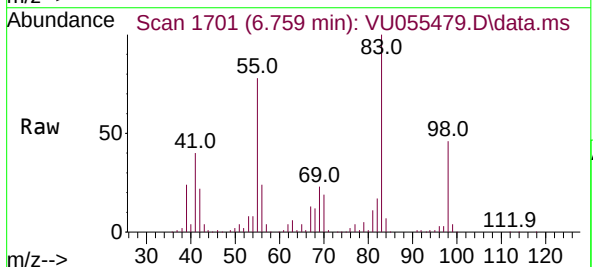
Tgt Ion: 83 Resp: 186277

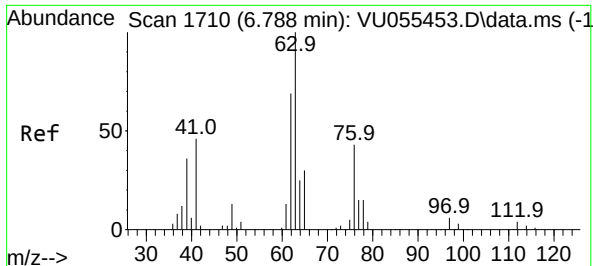
Ion Ratio Lower Upper

83 100

55 76.6 59.1 88.7

98 45.1 36.3 54.5





#37

1,2-Dichloropropane

Concen: 4.827 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

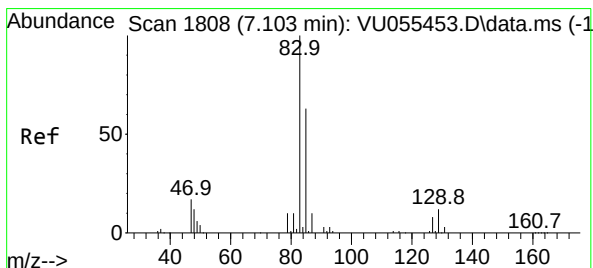
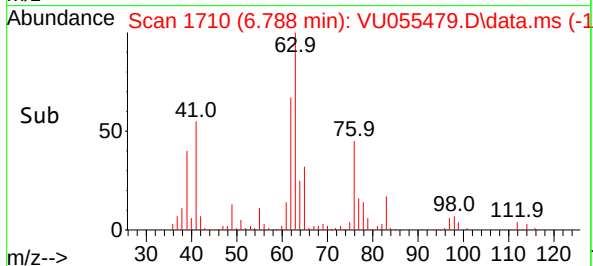
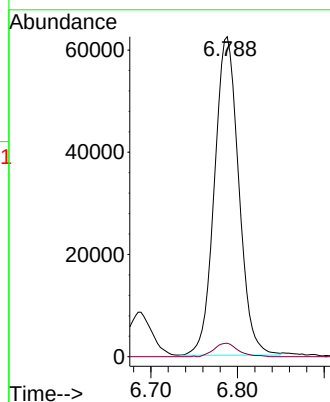
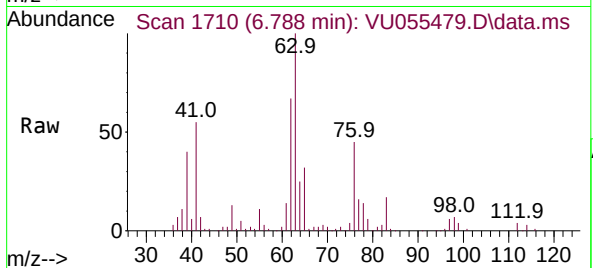
ClientSampleId :

Tgt Ion: 63 Resp: 121521

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.6



#38

Bromodichloromethane

Concen: 5.252 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

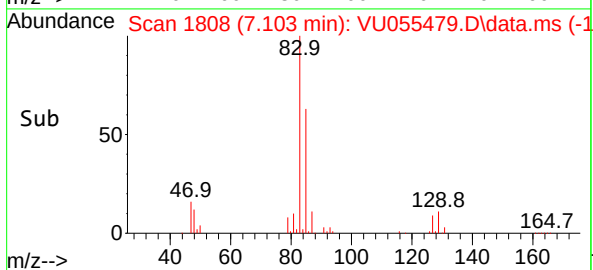
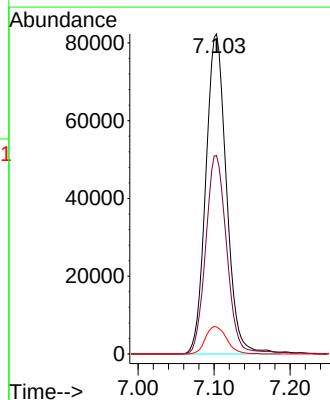
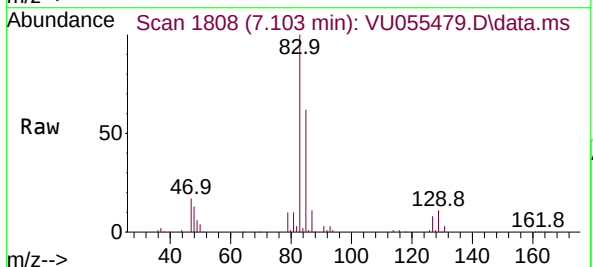
Tgt Ion: 83 Resp: 154959

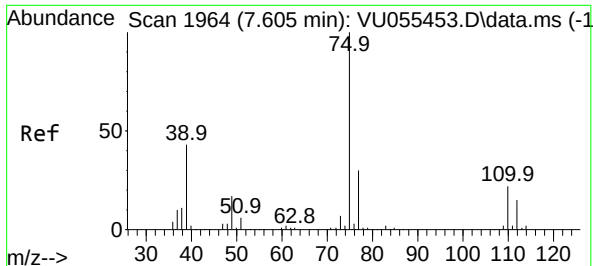
Ion Ratio Lower Upper

83 100

85 62.0 46.8 86.8

127 8.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.116 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

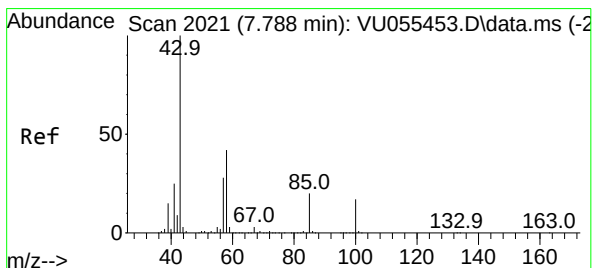
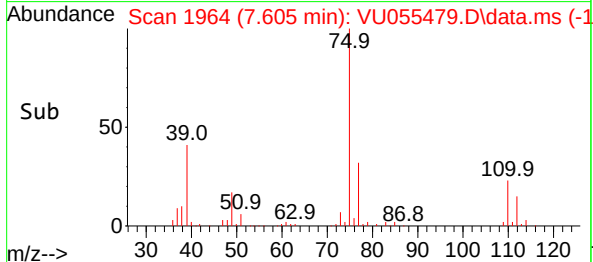
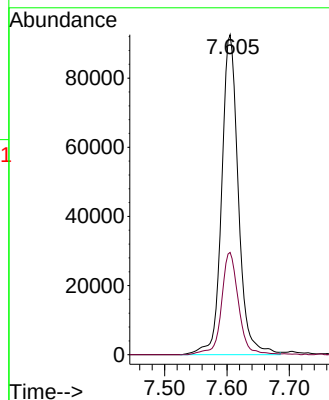
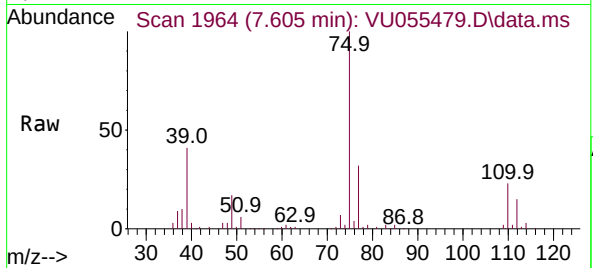
ClientSampleId :

Tgt Ion: 75 Resp: 171903

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 52.020 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

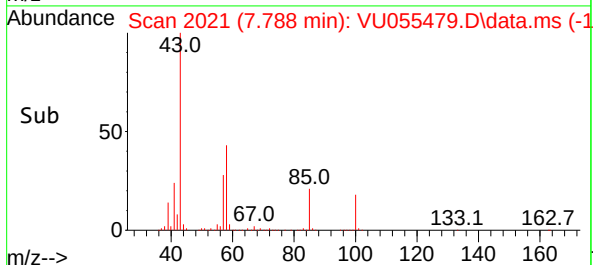
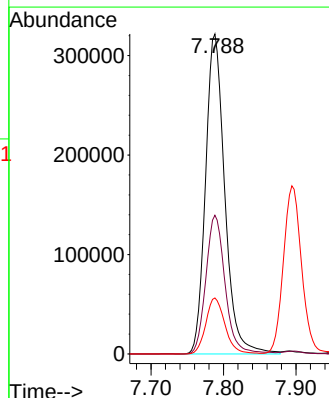
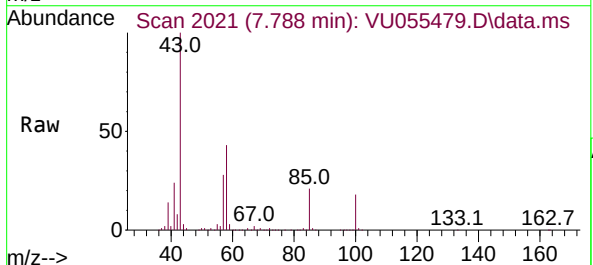
Tgt Ion: 43 Resp: 594103

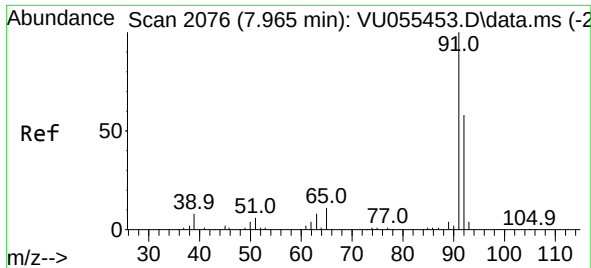
Ion Ratio Lower Upper

43 100

58 43.4 34.2 51.4

100 17.5 13.4 20.0





#42

Toluene

Concen: 5.167 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

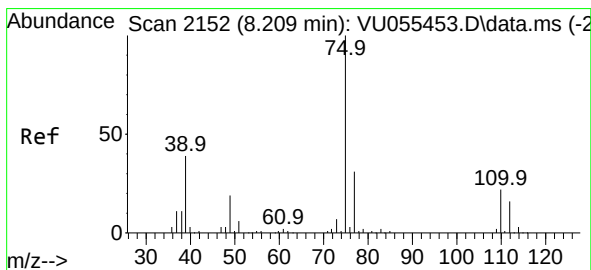
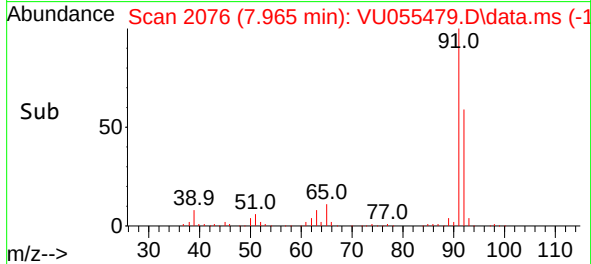
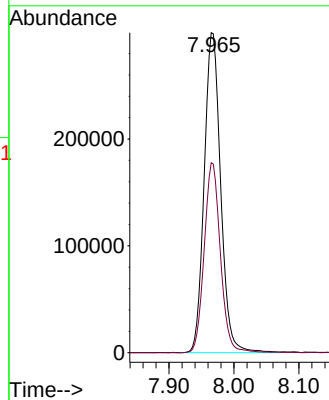
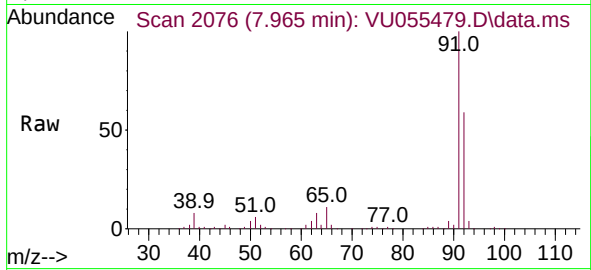
ClientSampleId :

Tgt Ion: 91 Resp: 530592

Ion Ratio Lower Upper

91 100

92 59.3 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.185 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.003 min

Lab File: VU055479.D

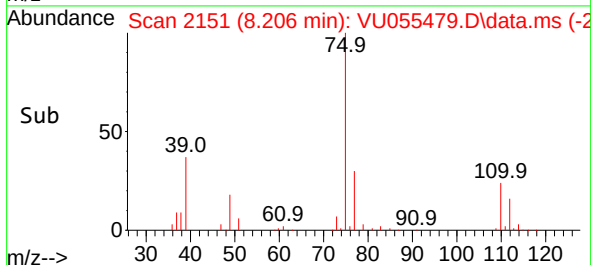
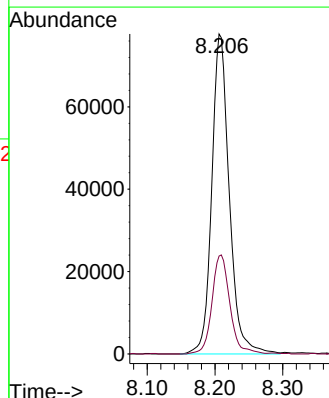
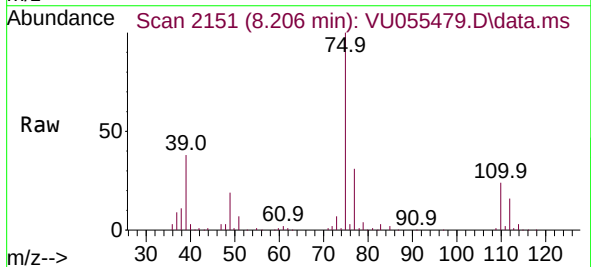
Acq: 22 Sep 2023 23:06

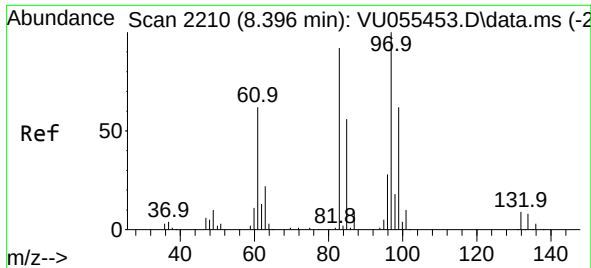
Tgt Ion: 75 Resp: 139395

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.4

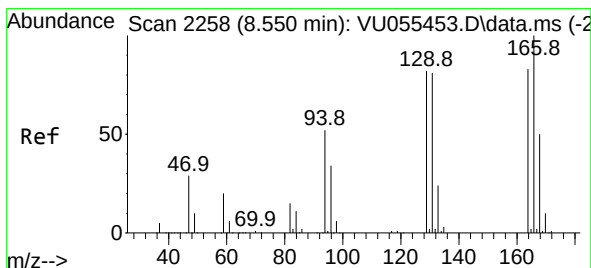
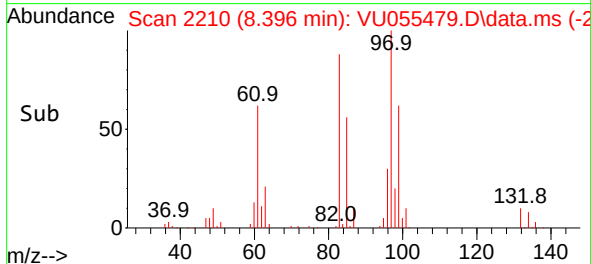
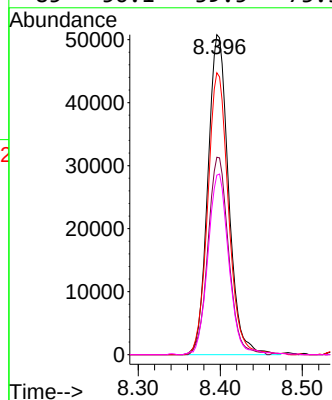
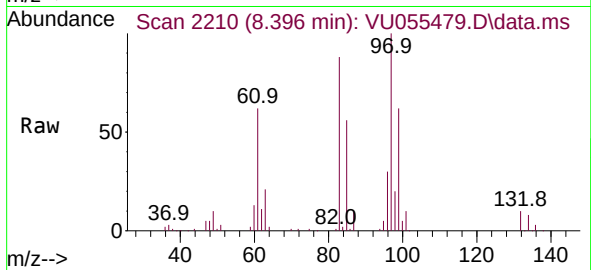




#45
1,1,2-Trichloroethane
Concen: 5.051 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

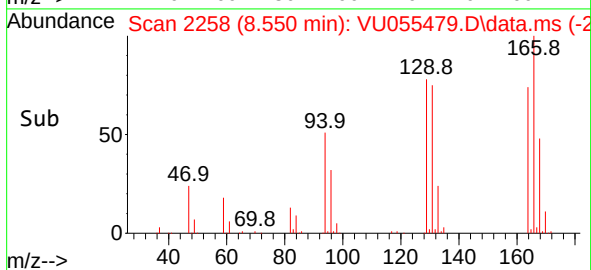
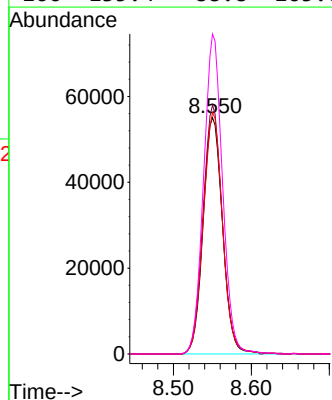
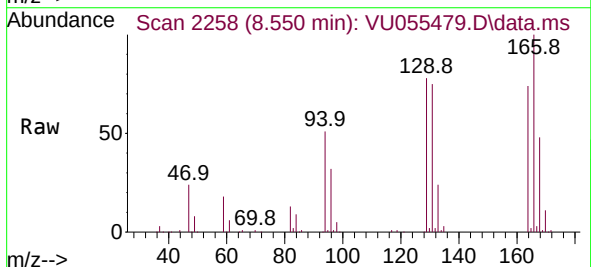
Instrument :
MSVOA_U
ClientSampleId :

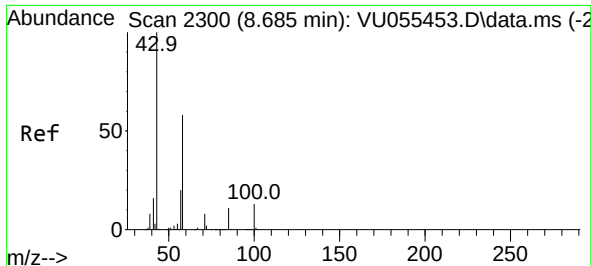
Tgt Ion:	97	Resp:	89158
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.1	81.9
83	88.1	61.5	114.1
85	56.1	39.5	73.3



#47
Tetrachloroethene
Concen: 4.881 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

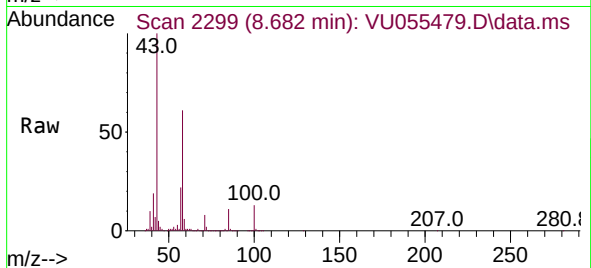
Tgt Ion:	164	Resp:	95343
Ion	Ratio	Lower	Upper
164	100		
129	105.3	67.4	125.2
131	102.1	66.4	123.2
166	135.4	88.8	165.0



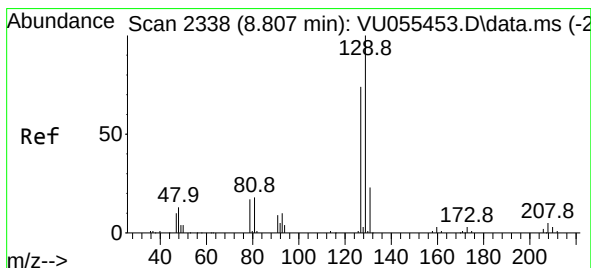
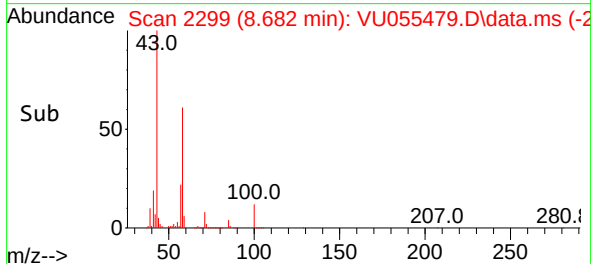
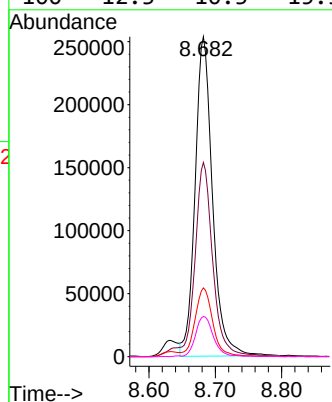


#48
2-Hexanone
Concen: 52.314 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

Instrument :
MSVOA_U
ClientSampleId :

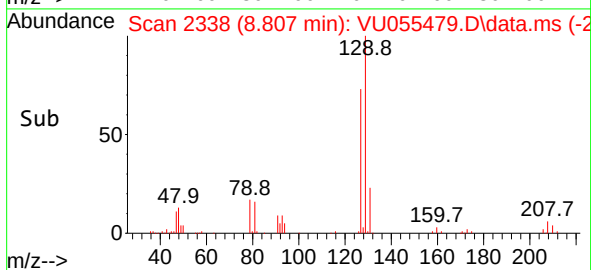
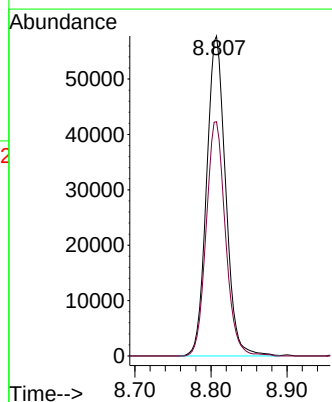
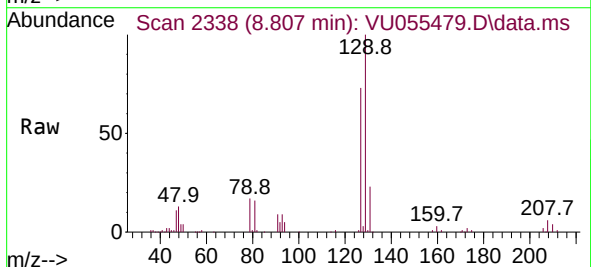


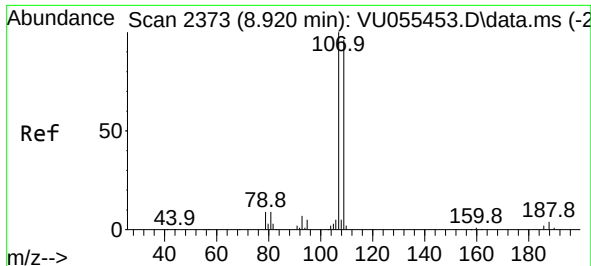
Tgt Ion: 43 Resp: 463043
Ion Ratio Lower Upper
43 100
58 63.6 48.5 72.7
57 21.8 17.0 25.4
100 12.3 10.3 15.5



#49
Dibromochloromethane
Concen: 5.422 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

Tgt Ion: 129 Resp: 100325
Ion Ratio Lower Upper
129 100
127 73.2 56.8 105.6





#50

1,2-Dibromoethane

Concen: 5.174 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

ClientSampleId :

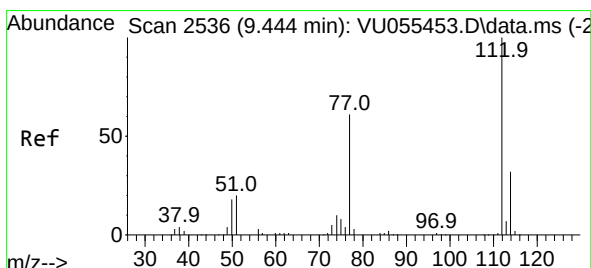
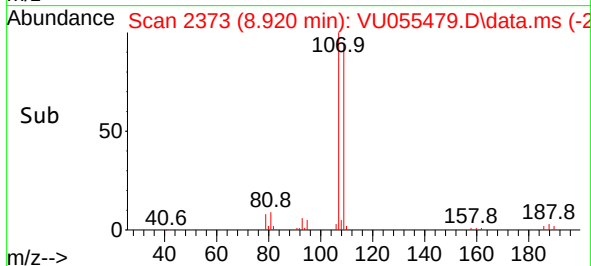
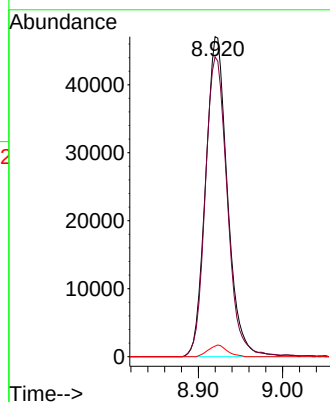
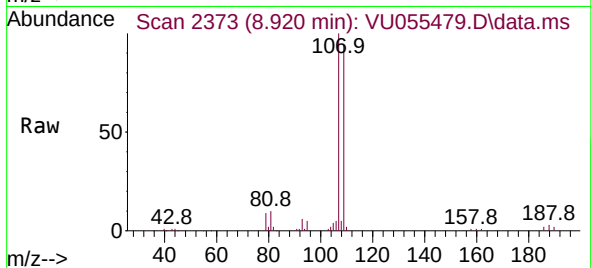
Tgt Ion:107 Resp: 84768

Ion Ratio Lower Upper

107 100

109 93.7 66.1 122.8

188 3.3 3.2 4.8



#51

Chlorobenzene

Concen: 5.053 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

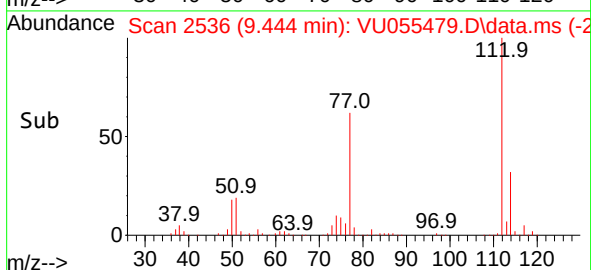
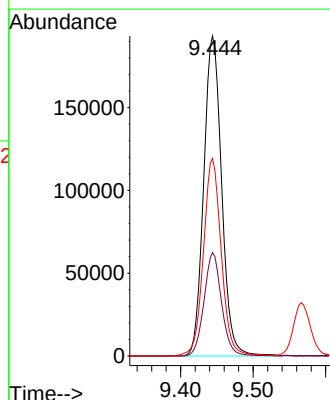
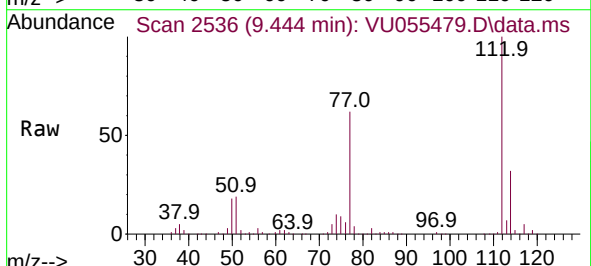
Tgt Ion:112 Resp: 332325

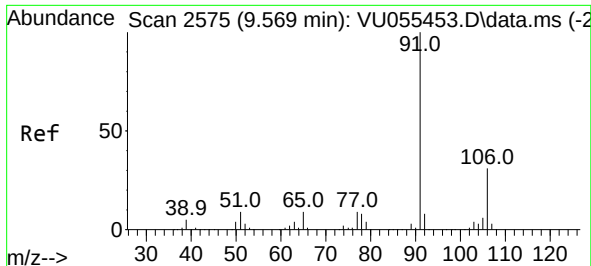
Ion Ratio Lower Upper

112 100

114 32.3 22.0 40.8

77 61.8 46.9 70.3

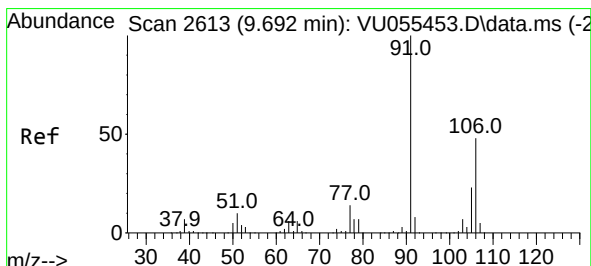
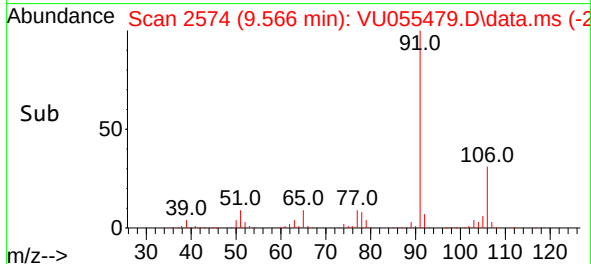
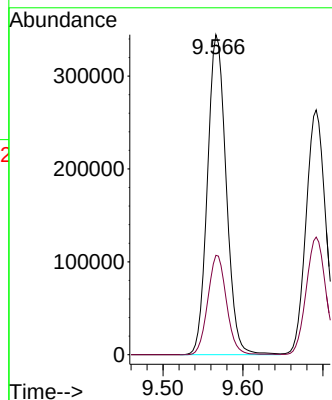
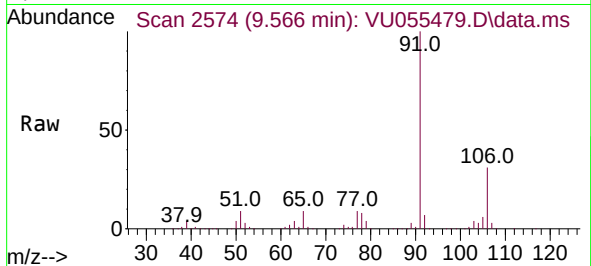




#52
Ethylbenzene
Concen: 5.101 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

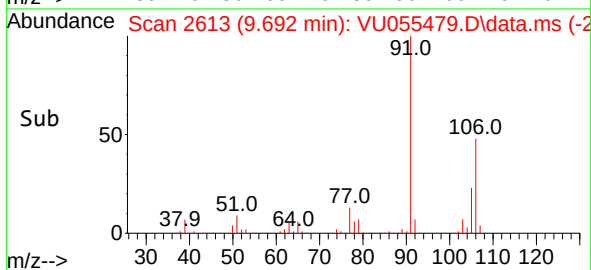
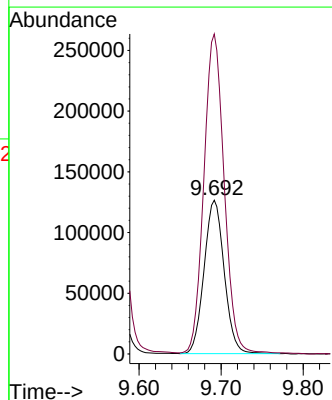
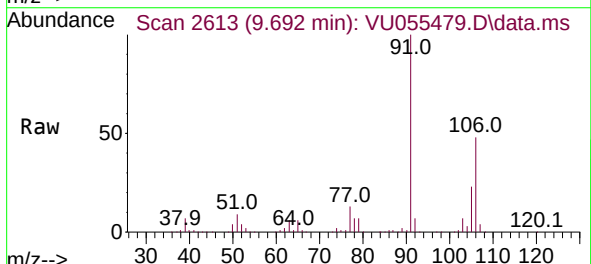
Instrument :
MSVOA_U
ClientSampleId :

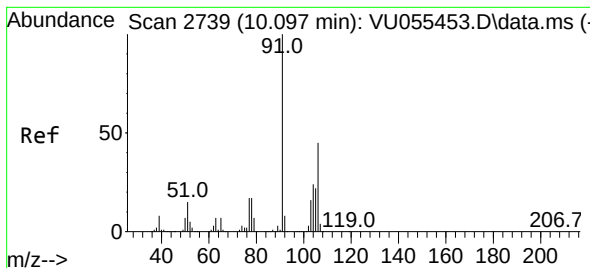
Tgt Ion: 91 Resp: 561521
Ion Ratio Lower Upper
91 100
106 31.0 22.4 41.6



#53
m,p-Xylene
Concen: 5.235 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

Tgt Ion:106 Resp: 215976
Ion Ratio Lower Upper
106 100
91 208.0 144.8 269.0





#54

o-Xylene

Concen: 5.130 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

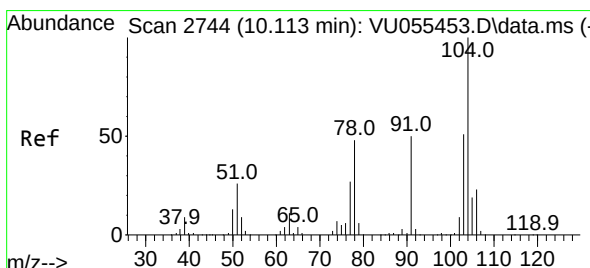
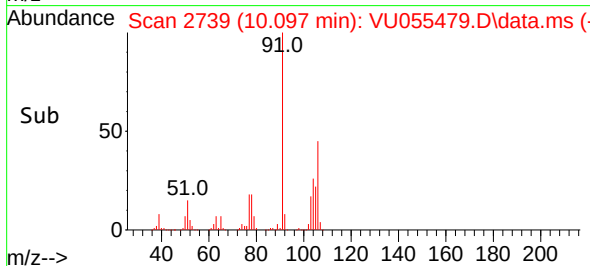
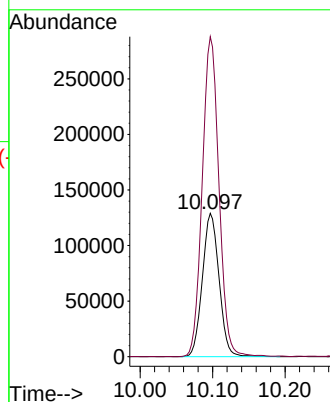
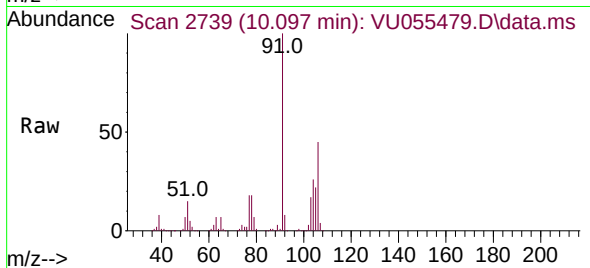
ClientSampleId :

Tgt Ion:106 Resp: 205760

Ion Ratio Lower Upper

106 100

91 223.3 157.6 292.8



#55

Styrene

Concen: 5.387 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VU055479.D

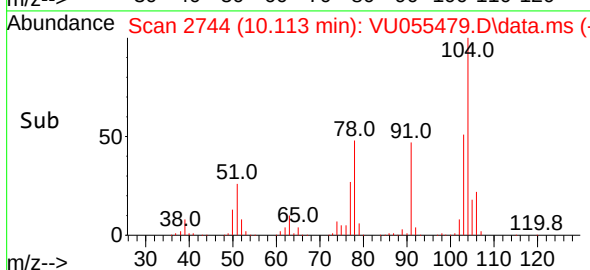
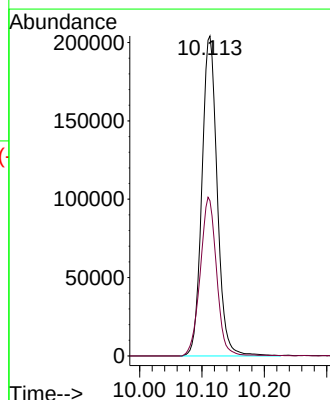
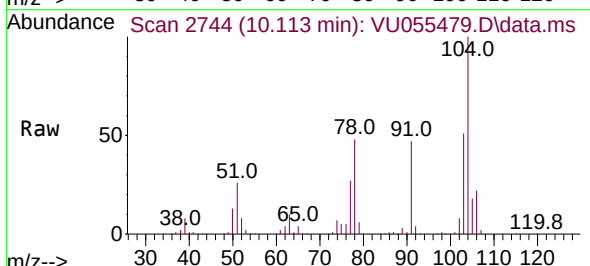
Acq: 22 Sep 2023 23:06

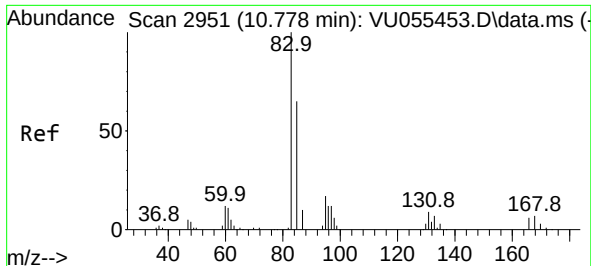
Tgt Ion:104 Resp: 349391

Ion Ratio Lower Upper

104 100

78 48.5 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.237 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

ClientSampleId :

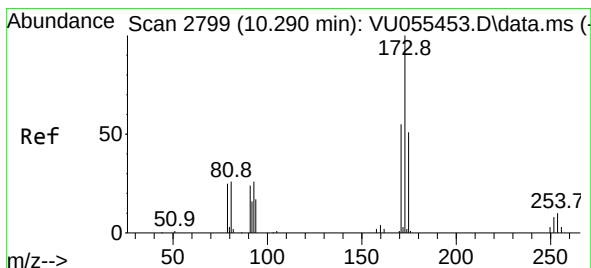
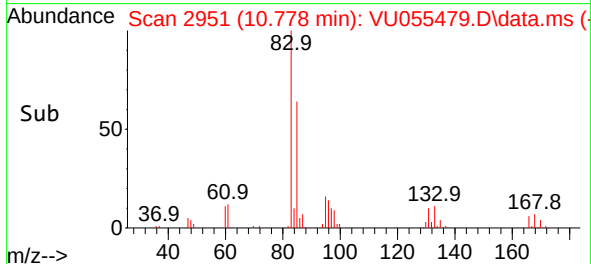
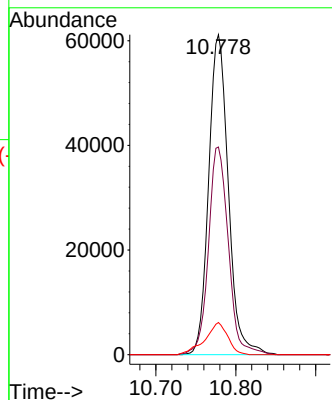
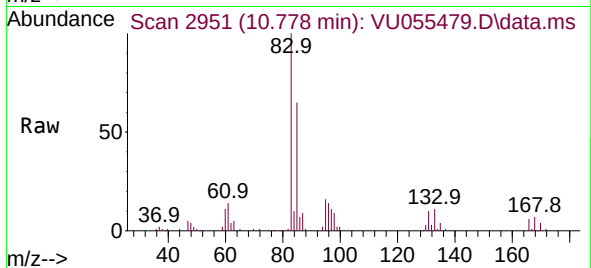
Tgt Ion: 83 Resp: 104371

Ion Ratio Lower Upper

83 100

85 64.9 44.4 82.5

131 10.1 7.4 11.2



#59

Bromoform

Concen: 5.303 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.003 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

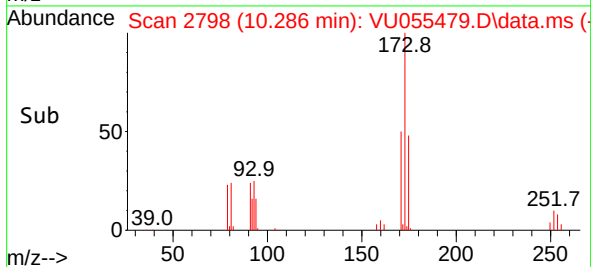
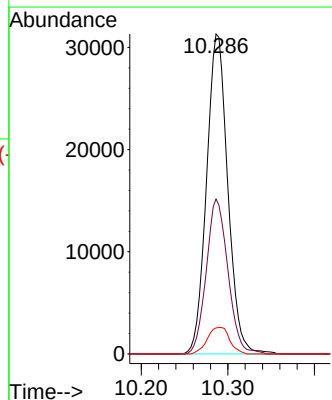
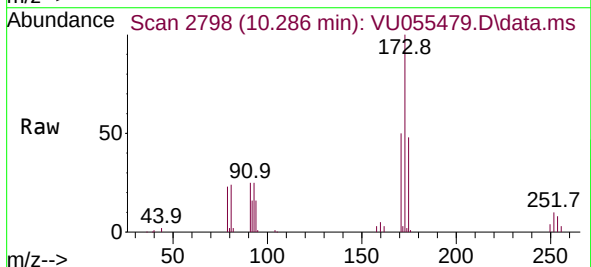
Tgt Ion:173 Resp: 53354

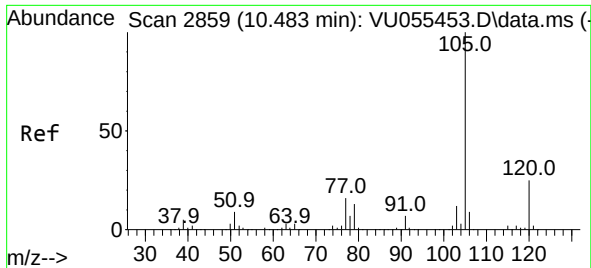
Ion Ratio Lower Upper

173 100

175 49.3 39.4 59.2

254 8.7 7.3 10.9

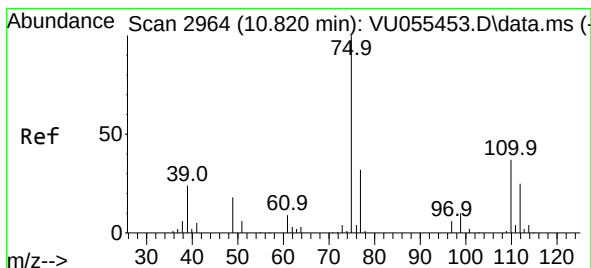
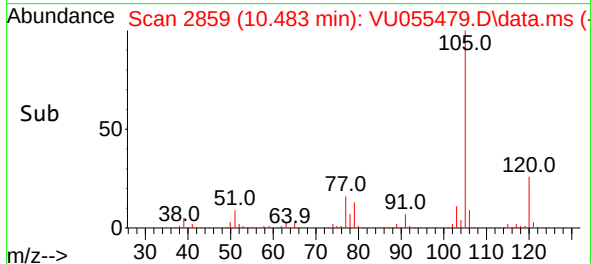
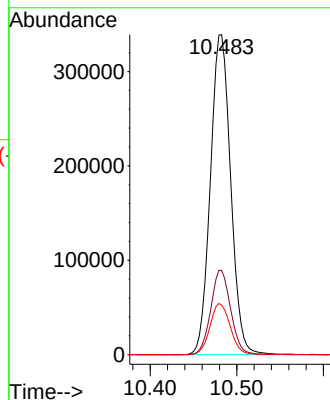
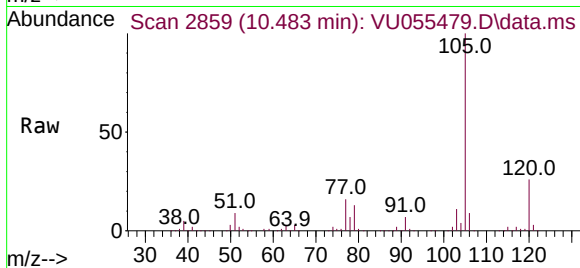




#60
Isopropylbenzene
Concen: 5.104 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

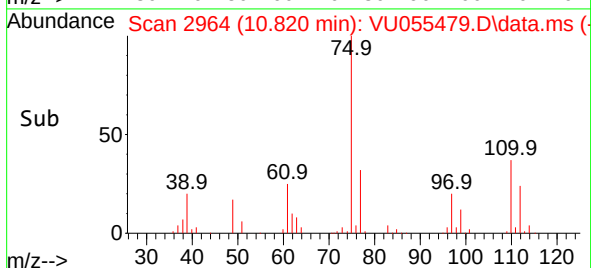
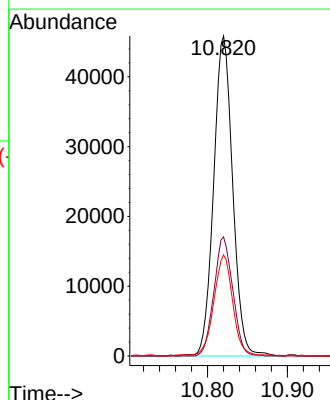
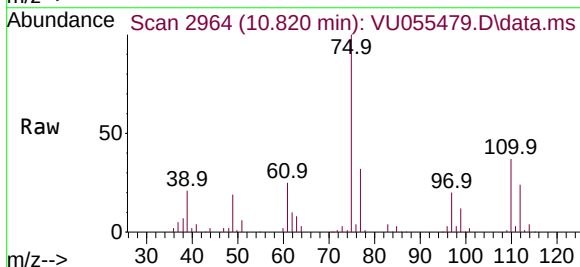
Instrument :
MSVOA_U
ClientSampleId :

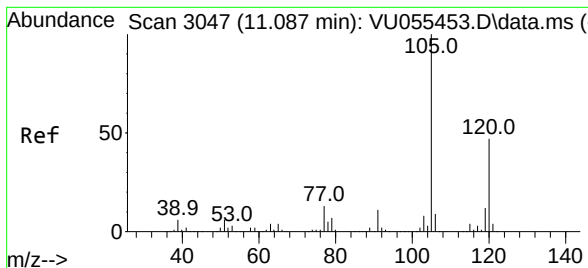
Tgt Ion:105 Resp: 552201
Ion Ratio Lower Upper
105 100
120 25.9 20.8 31.2
77 16.1 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.163 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

Tgt Ion: 75 Resp: 75662
Ion Ratio Lower Upper
75 100
110 36.7 30.6 45.8
77 31.5 26.7 40.1





#62

1,3,5-Trimethylbenzene

Concen: 5.133 ug/L

RT: 11.084 min Scan# 3047

Delta R.T. -0.003 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

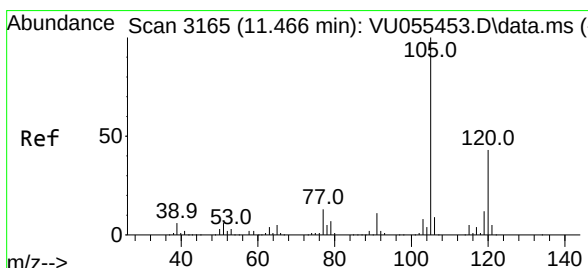
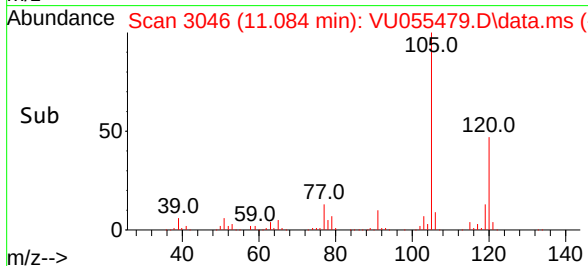
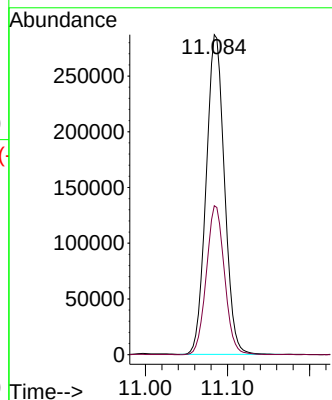
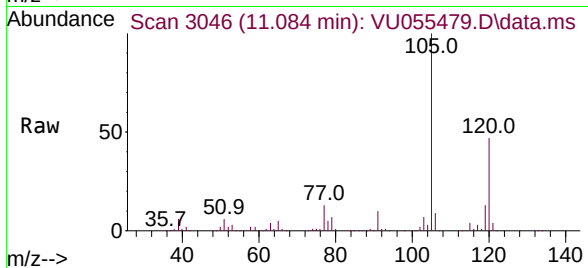
ClientSampleId :

Tgt Ion:105 Resp: 444079

Ion Ratio Lower Upper

105 100

120 46.3 38.1 57.1



#63

1,2,4-Trimethylbenzene

Concen: 5.108 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055479.D

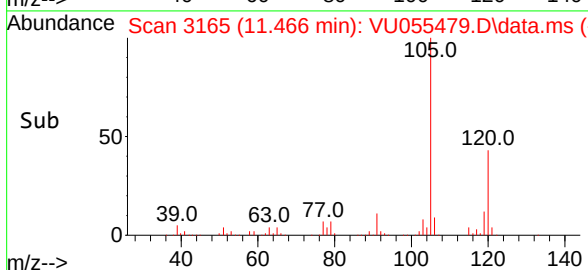
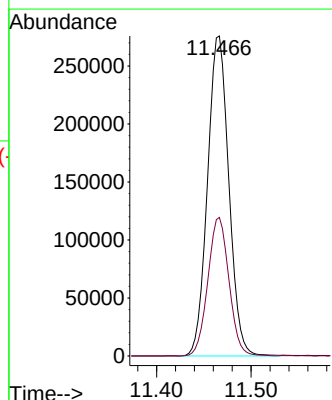
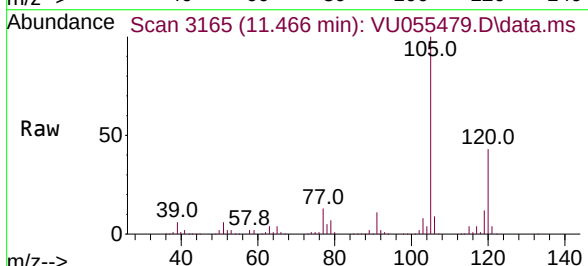
Acq: 22 Sep 2023 23:06

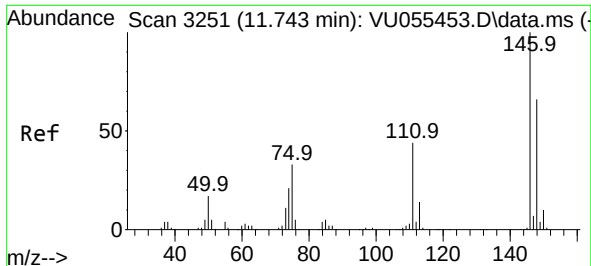
Tgt Ion:105 Resp: 432593

Ion Ratio Lower Upper

105 100

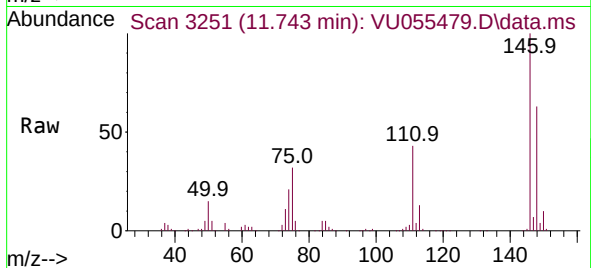
120 42.9 34.9 52.3



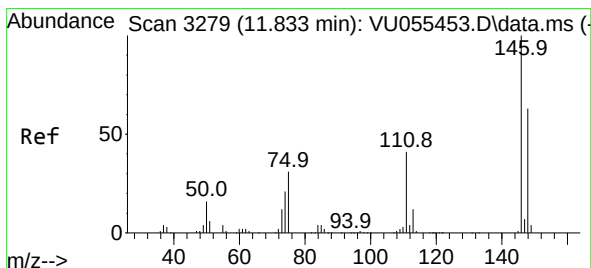
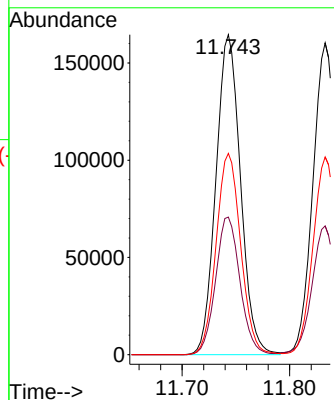
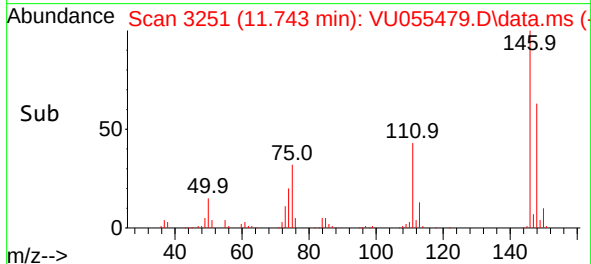


#64
1,3-Dichlorobenzene
Concen: 5.050 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06

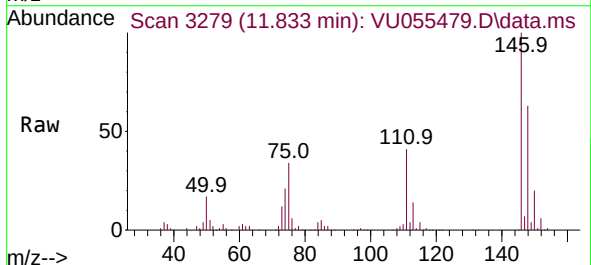
Instrument :
MSVOA_U
ClientSampleId :



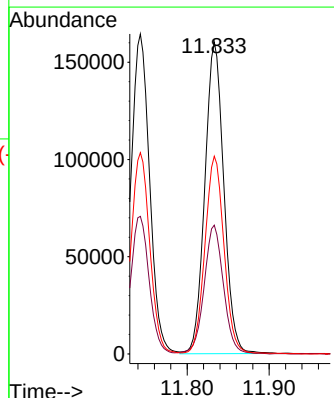
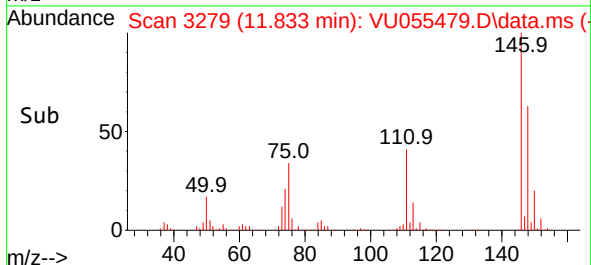
Tgt Ion:146 Resp: 261568
Ion Ratio Lower Upper
146 100
111 43.0 28.8 53.6
148 62.9 44.6 82.8

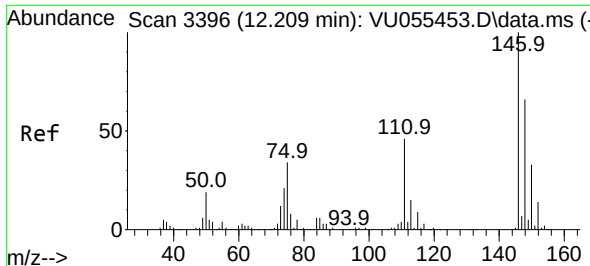


#65
1,4-Dichlorobenzene
Concen: 4.974 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055479.D
Acq: 22 Sep 2023 23:06



Tgt Ion:146 Resp: 257477
Ion Ratio Lower Upper
146 100
111 41.3 29.0 53.8
148 63.4 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 5.081 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

ClientSampleId :

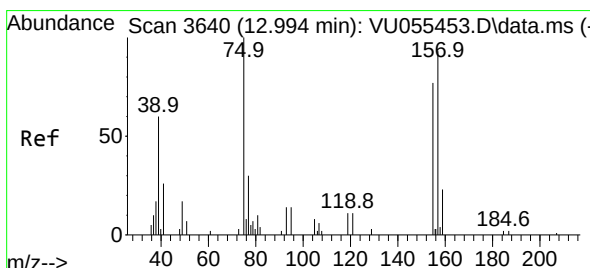
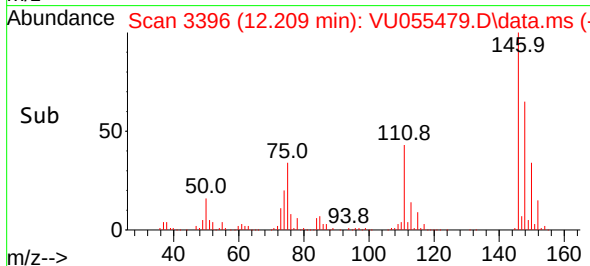
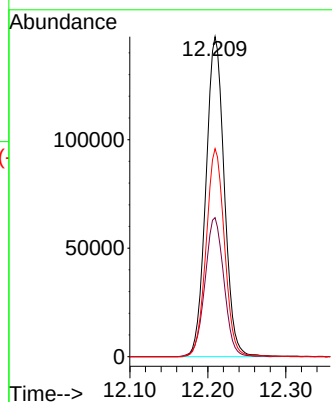
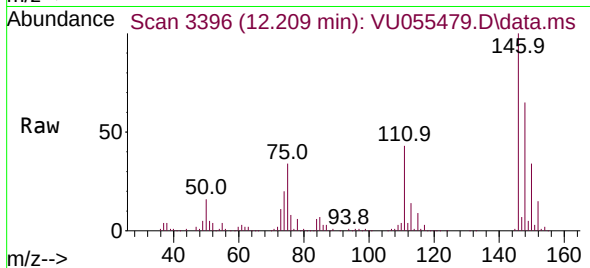
Tgt Ion:146 Resp: 241291

Ion Ratio Lower Upper

146 100

111 43.4 34.6 52.0

148 65.0 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.601 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

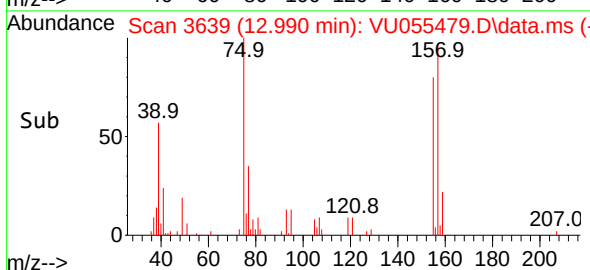
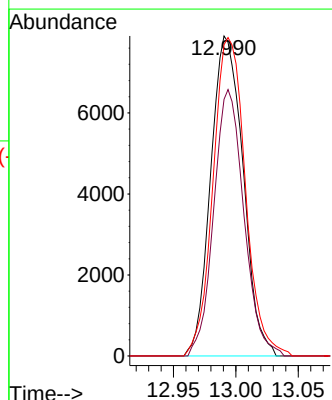
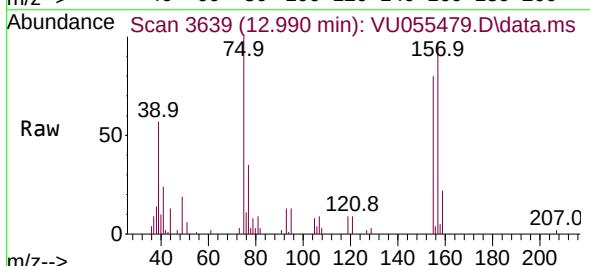
Tgt Ion: 75 Resp: 14227

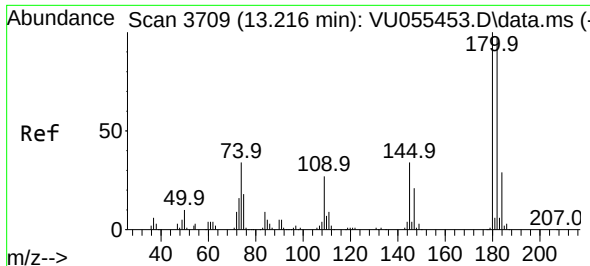
Ion Ratio Lower Upper

75 100

155 80.2 69.2 103.8

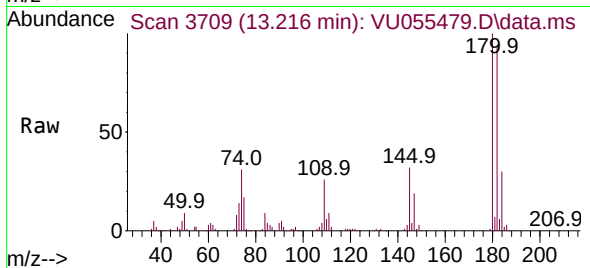
157 97.3 81.9 122.9



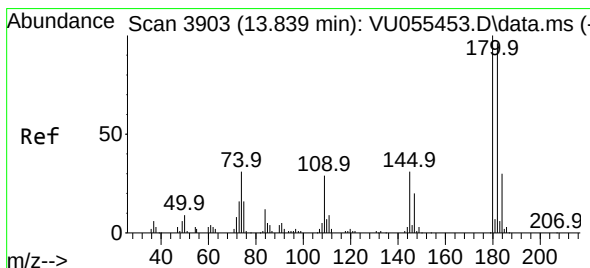
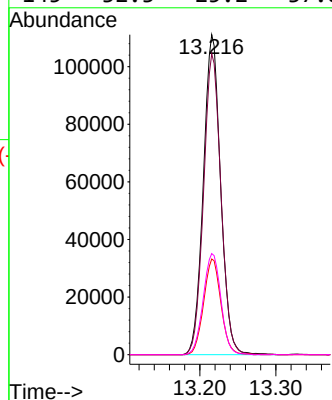
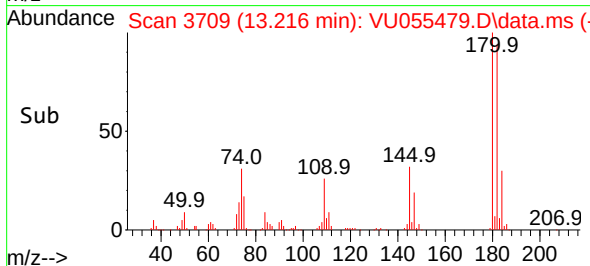


#69
 1,3,5-Trichlorobenzene
 Concen: 4.912 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU055479.D
 Acq: 22 Sep 2023 23:06

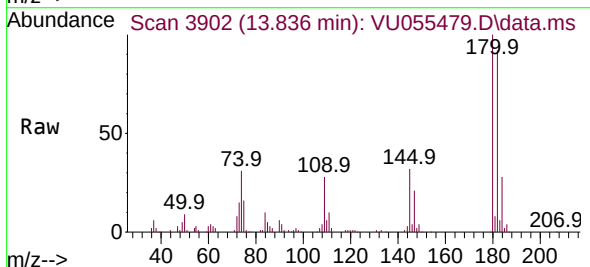
Instrument :
 MSVOA_U
 ClientSampleId :



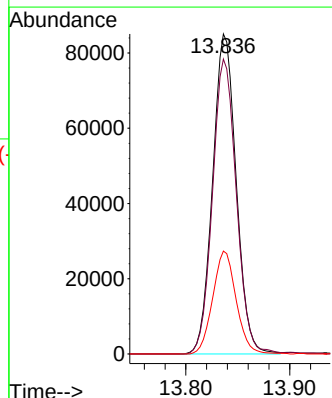
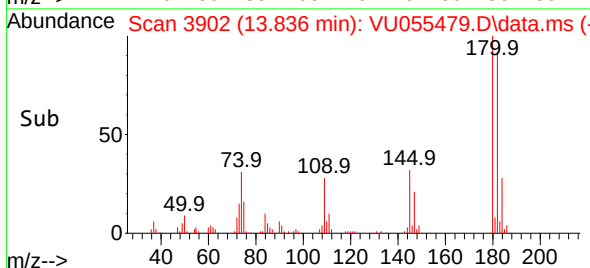
Tgt Ion:180 Resp: 175225
 Ion Ratio Lower Upper
 180 100
 182 94.5 77.1 115.7
 184 29.8 24.0 36.0
 145 32.3 25.2 37.8

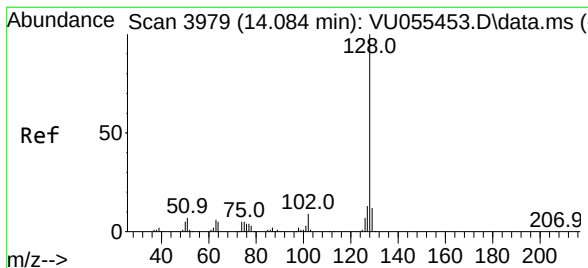


#70
 1,2,4-trichlorobenzene
 Concen: 4.925 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.003 min
 Lab File: VU055479.D
 Acq: 22 Sep 2023 23:06



Tgt Ion:180 Resp: 133932
 Ion Ratio Lower Upper
 180 100
 182 93.2 76.4 114.6
 145 32.0 25.4 38.0





#71

Naphthalene

Concen: 4.815 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Instrument :

MSVOA_U

ClientSampleId :

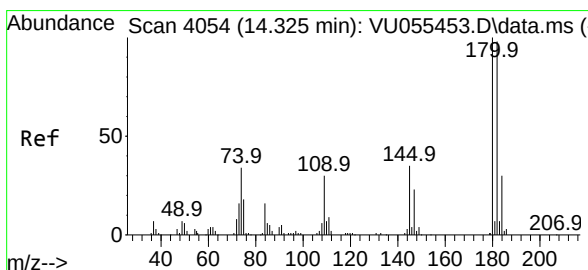
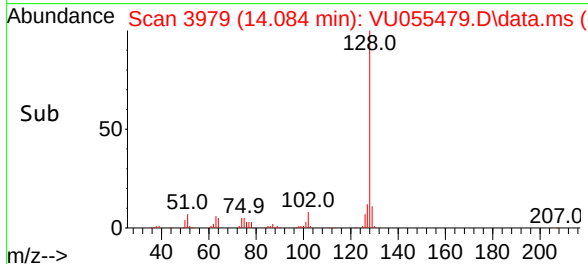
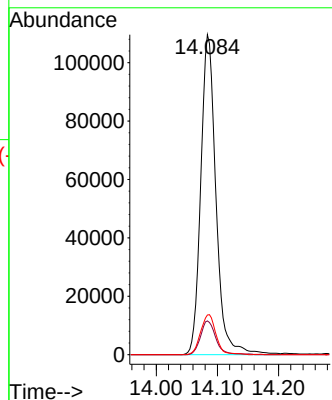
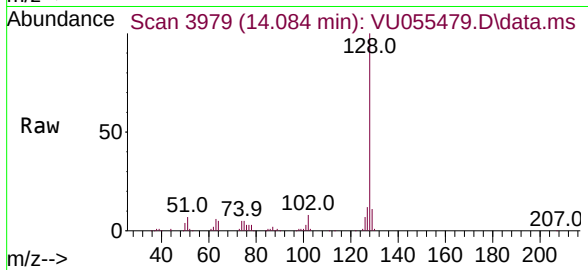
Tgt Ion:128 Resp: 189571

Ion Ratio Lower Upper

128 100

129 10.5 8.5 12.7

127 12.6 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.972 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU055479.D

Acq: 22 Sep 2023 23:06

Tgt Ion:180 Resp: 117646

Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.4

145 35.3 26.0 39.0

