

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055742.D
 Acq On : 11 Oct 2023 12:32
 Operator : MD/SY
 Sample : 04696-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 12 01:55:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 01:53:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	411283	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	418084	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	209053	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	149071	40.409	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.820%
7) Chloroethane-d5	1.885	69	128023	42.455	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.900%
11) 1,1-Dichloroethene-d2	2.557	63	214676	32.637	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.280%
21) 2-Butanone-d5	4.615	46	255356	93.416	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.420%
24) Chloroform-d	5.055	84	309189	43.719	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.440%
26) 1,2-Dichloroethane-d4	5.695	65	213721	49.096	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.200%
32) Benzene-d6	5.721	84	613248	45.844	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.680%
36) 1,2-Dichloropropane-d6	6.685	67	195117	46.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.140%
41) Toluene-d8	7.894	98	534402	44.243	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.480%
43) trans-1,3-Dichloroprop...	8.177	79	92424	45.434	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.860%
47) 2-Hexanone-d5	8.631	63	174068	104.557	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.560%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	337678	51.804	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	212705	51.272	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	5997	1.751	ug/L	98
3) Chloromethane	1.518	50	7120	2.197	ug/L	91
5) Vinyl chloride	1.602	62	7370	2.067	ug/L #	61
6) Bromomethane	1.830	94	3670	1.610	ug/L	94
8) Chloroethane	1.907	64	4683	2.002	ug/L	99
9) Trichlorofluoromethane	2.126	101	9921	1.947	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	7727	2.358	ug/L #	78
12) 1,1-Dichloroethene	2.570	96	6775	2.324	ug/L #	1
13) Acetone	2.624	43	9551	3.765	ug/L	95
14) Carbon disulfide	2.782	76	15021	1.693	ug/L	100
15) Methyl Acetate	2.946	43	7106	1.829	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	5325	1.786	ug/L	98
18) Methyl tert-butyl Ether	3.361	73	17527	1.828	ug/L	97
19) 1,1-Dichloroethane	3.859	63	11370	1.860	ug/L	100
20) cis-1,2-Dichloroethene	4.666	96	6870	2.019	ug/L	76
22) 2-Butanone	4.714	43	6343	2.075	ug/L	85
25) Chloroform	5.081	83	14106	2.208	ug/L	99
27) 1,2-Dichloroethane	5.792	62	10332	2.022	ug/L #	92
29) Cyclohexane	5.380	56	8454	1.764	ug/L #	88

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

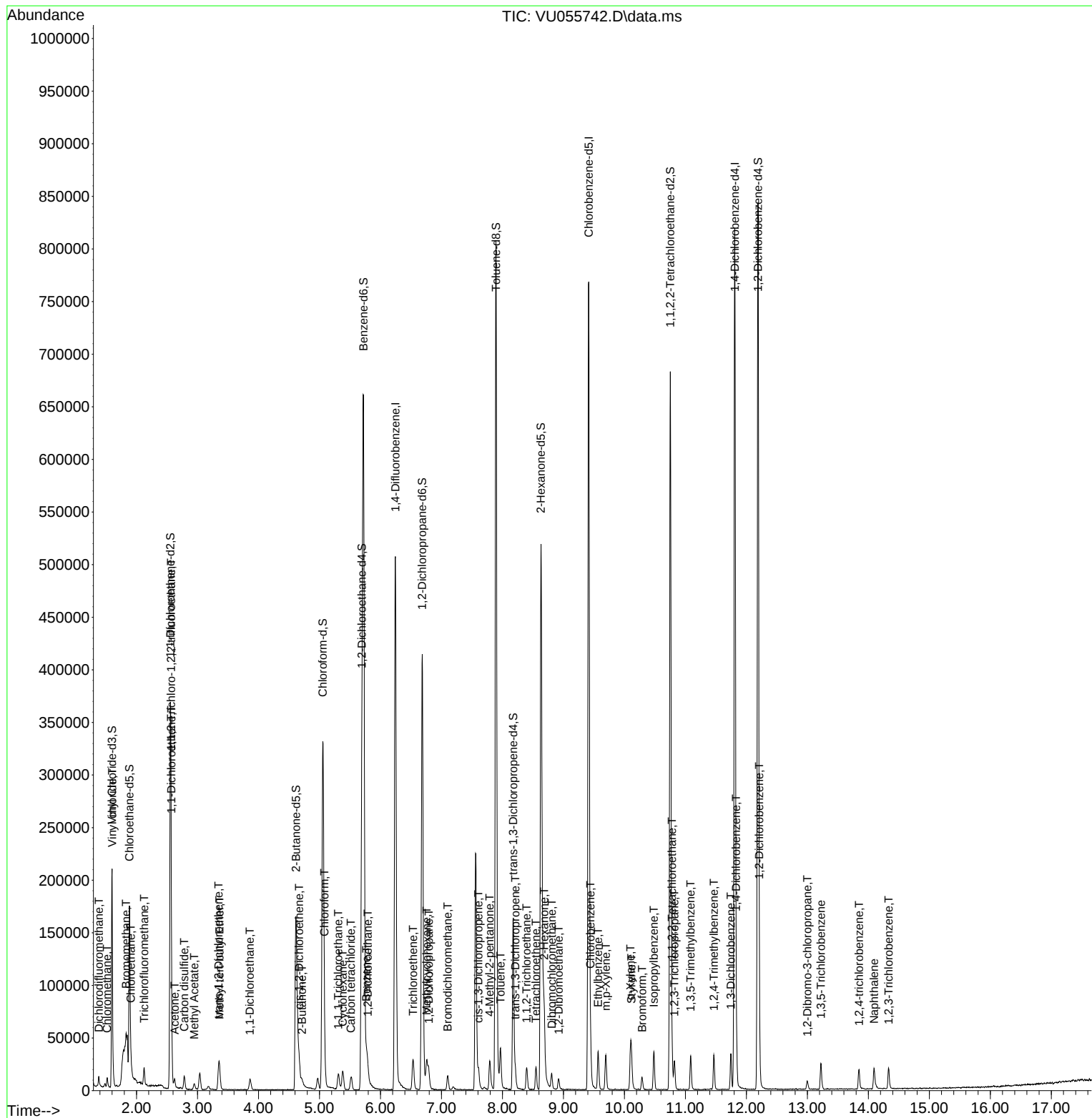
30) 1,1,1-Trichloroethane	5.309	97	10099	1.870	ug/L	97
31) Carbon tetrachloride	5.515	117	4481	0.948	ug/L #	12
33) Benzene	5.769	78	24848	1.880	ug/L	100
34) Trichloroethene	6.537	95	7056	1.951	ug/L	92
35) Methylcyclohexane	6.759	83	9370	1.786	ug/L	96
37) 1,2-Dichloropropane	6.791	63	7768	2.135	ug/L #	96
38) Bromodichloromethane	7.103	83	8877	1.850	ug/L	92
39) cis-1,3-Dichloropropene	7.605	75	9944	1.796	ug/L	92
40) 4-Methyl-2-pentanone	7.791	43	19320	3.816	ug/L	97
42) Toluene	7.968	91	26624	1.909	ug/L	94
44) trans-1,3-Dichloropropene	8.209	75	9837	1.857	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	6722	1.873	ug/L	91
46) Tetrachloroethene	8.550	164	4595	1.775	ug/L	96
48) 2-Hexanone	8.685	43	44092	10.311	ug/L #	88
49) Dibromochloromethane	8.807	129	6490	1.770	ug/L	85
50) 1,2-Dibromoethane	8.923	107	7161	1.858	ug/L #	92
51) Chlorobenzene	9.444	112	17420	1.931	ug/L	99
52) Ethylbenzene	9.569	91	25741	1.688	ug/L	98
53) m,p-Xylene	9.695	106	9503	1.664	ug/L	78
54) o-Xylene	10.100	106	10289	1.862	ug/L	94
55) Styrene	10.116	104	15248	1.628	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	14820	2.412	ug/L #	97
59) Bromoform	10.290	173	5365	2.085	ug/L #	89
60) 1,2,3-Trichloropropane	10.820	75	11499	2.534	ug/L	99
61) Isopropylbenzene	10.483	105	23131	1.775	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	17982	1.705	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	18003	1.726	ug/L	95
64) 1,3-Dichlorobenzene	11.746	146	12933	2.007	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	13661	2.062	ug/L	91
67) 1,2-Dichlorobenzene	12.212	146	13914	2.176	ug/L	94
68) 1,2-Dibromo-3-chloropr...	13.000	75	2202	1.623	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.222	180	8551	1.990	ug/L	94
70) 1,2,4-trichlorobenzene	13.849	180	6085	1.700	ug/L	97
71) Naphthalene	14.093	128	18293	1.720	ug/L #	89
72) 1,2,3-Trichlorobenzene	14.335	180	5842	1.655	ug/L	96

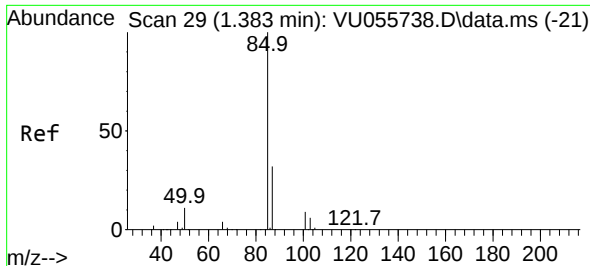
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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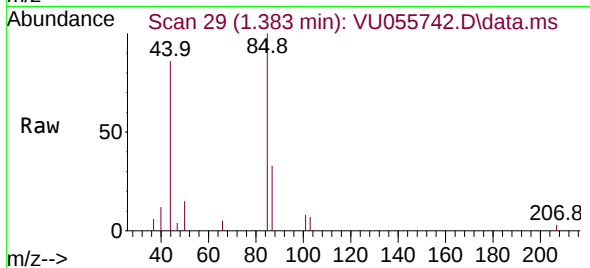
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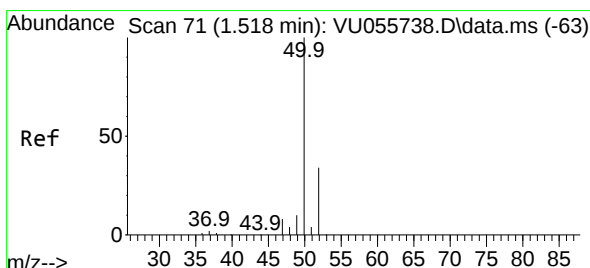
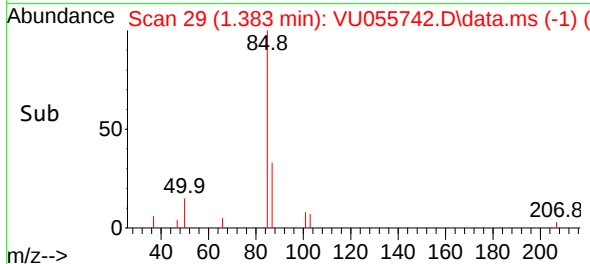
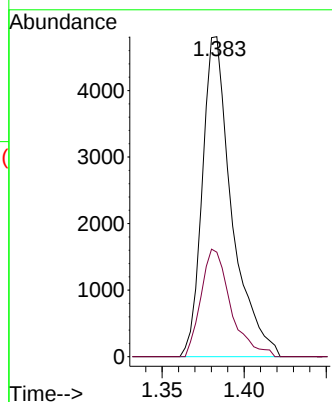


#2
 Dichlorodifluoromethane
 Concen: 1.751 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055742.D
 Acq: 11 Oct 2023 12:32

Instrument :
 MSVOA_U
 ClientSampleId :

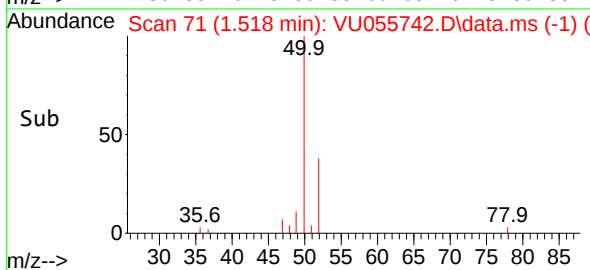
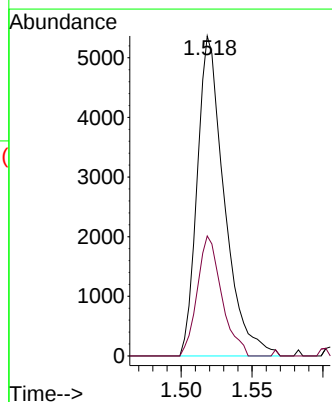
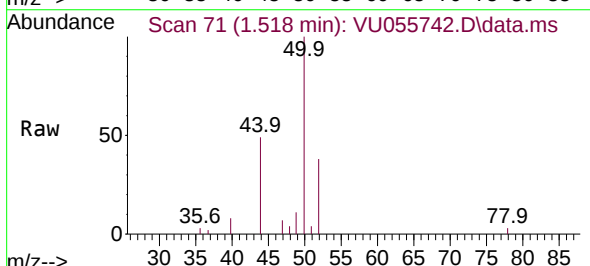


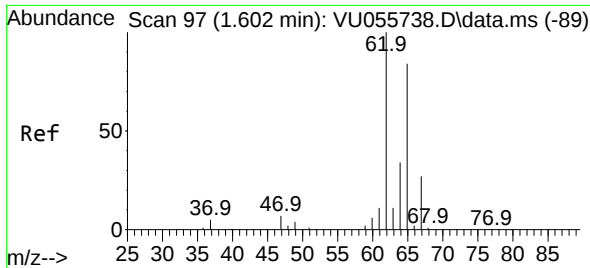
Tgt Ion: 85 Resp: 5997
 Ion Ratio Lower Upper
 85 100
 87 33.7 26.0 39.0



#3
 Chloromethane
 Concen: 2.197 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU055742.D
 Acq: 11 Oct 2023 12:32

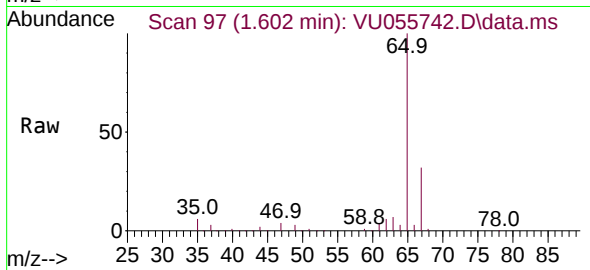
Tgt Ion: 50 Resp: 7120
 Ion Ratio Lower Upper
 50 100
 52 37.5 22.8 42.4



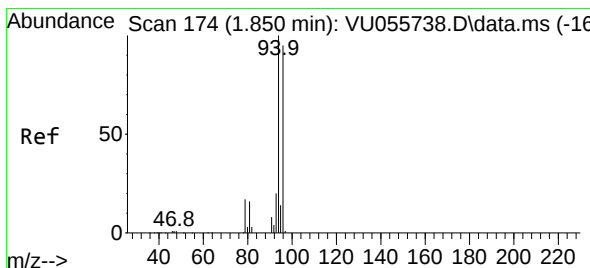
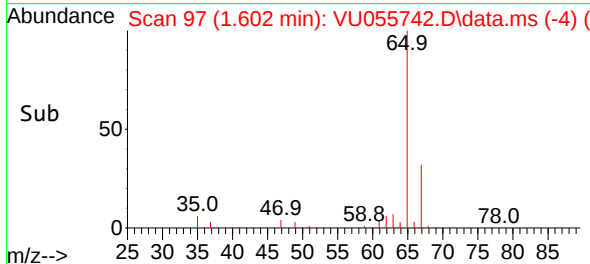
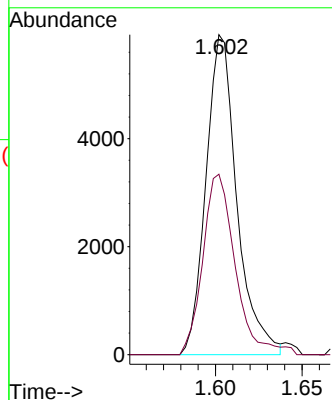


#5
 Vinyl chloride
 Concen: 2.067 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055742.D
 Acq: 11 Oct 2023 12:32

Instrument :
 MSVOA_U
 ClientSampleId :

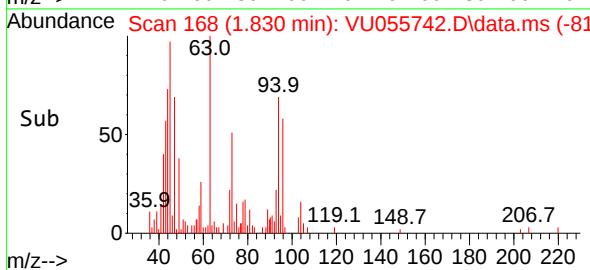
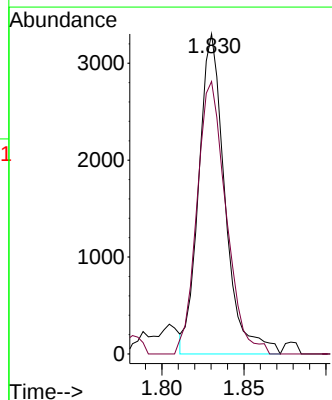
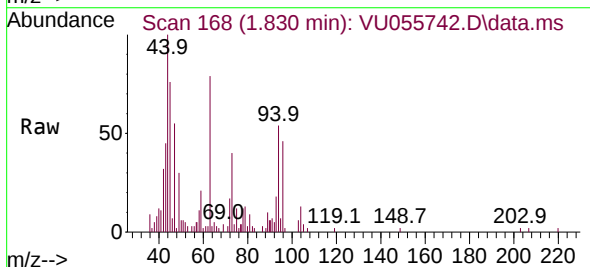


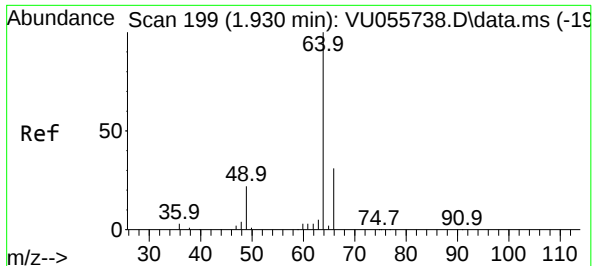
Tgt Ion: 62 Resp: 7370
 Ion Ratio Lower Upper
 62 100
 64 56.4 23.9 44.5#



#6
 Bromomethane
 Concen: 1.610 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. -0.019 min
 Lab File: VU055742.D
 Acq: 11 Oct 2023 12:32

Tgt Ion: 94 Resp: 3670
 Ion Ratio Lower Upper
 94 100
 96 85.2 63.5 117.9

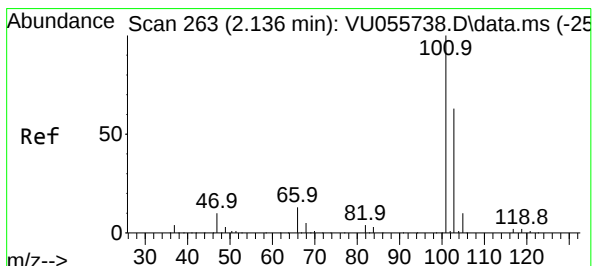
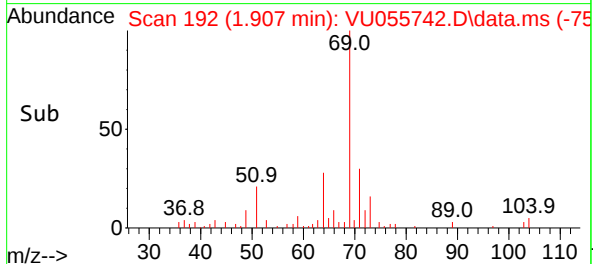
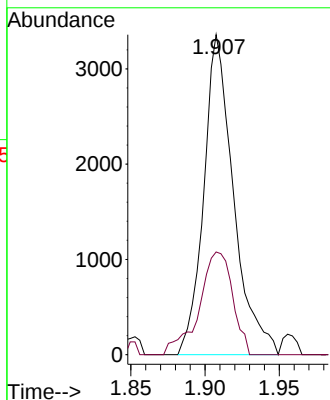
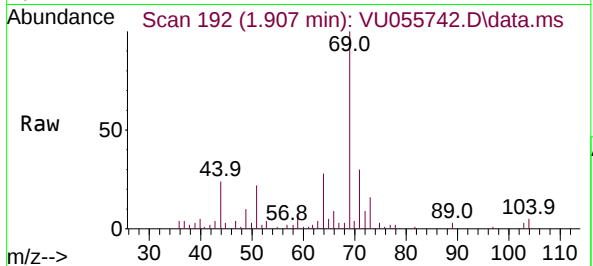




#8
Chloroethane
Concen: 2.002 ug/L
RT: 1.907 min Scan# 19
Delta R.T. -0.023 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

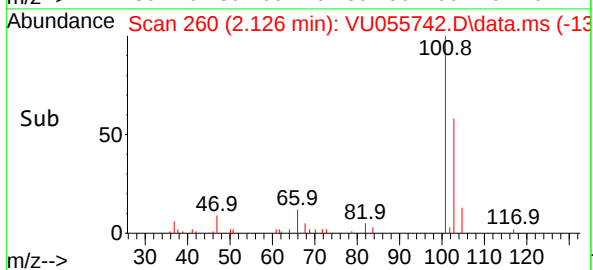
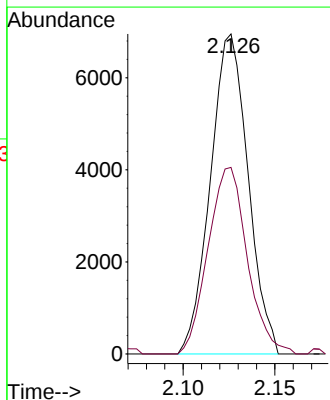
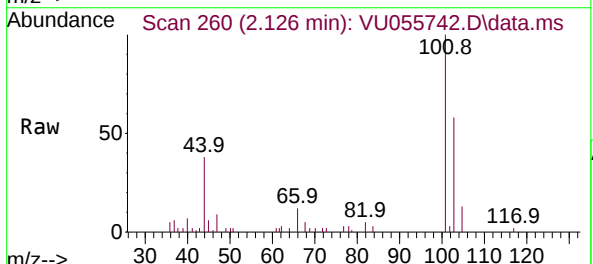
Instrument :
MSVOA_U
ClientSampleId :

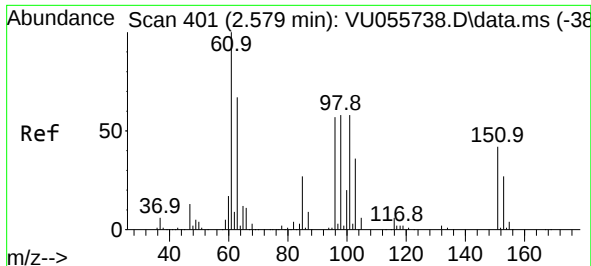
Tgt Ion: 64 Resp: 4683
Ion Ratio Lower Upper
64 100
66 32.1 22.9 42.5



#9
Trichlorofluoromethane
Concen: 1.947 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.010 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion:101 Resp: 9921
Ion Ratio Lower Upper
101 100
103 60.8 51.3 76.9





#10

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

Concen: 2.358 ug/L

RT: 2.567 min Scan# 397

Delta R.T. -0.013 min

Lab File: VU055742.D

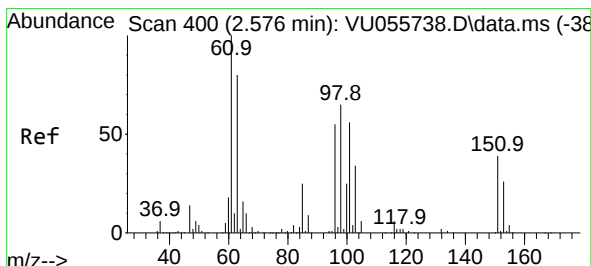
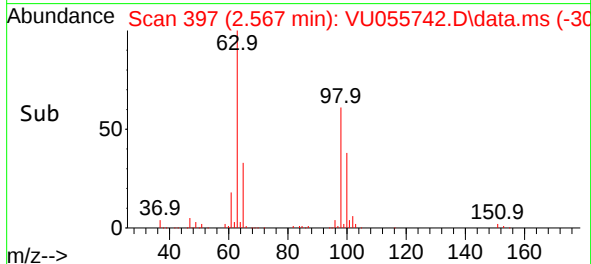
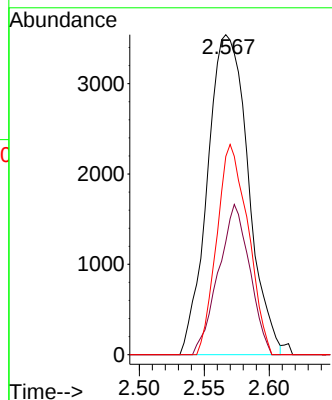
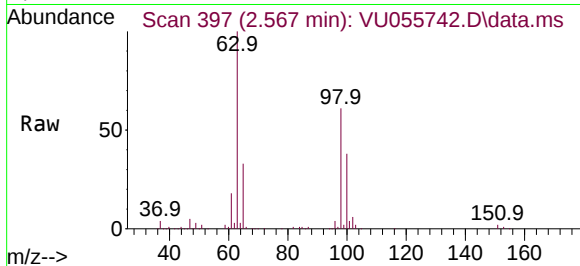
Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	7727
Ion	Ratio	Lower	Upper
101	100		
85	35.9	37.1	55.7#
151	50.4	58.2	87.4#



#12

1,1-Dichloroethene

Concen: 2.324 ug/L

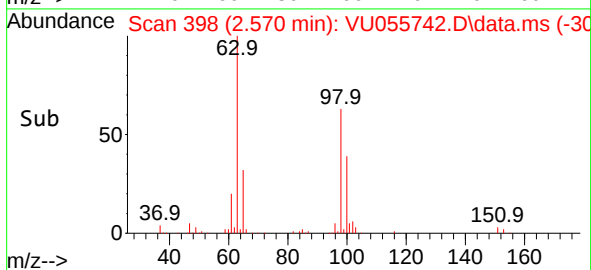
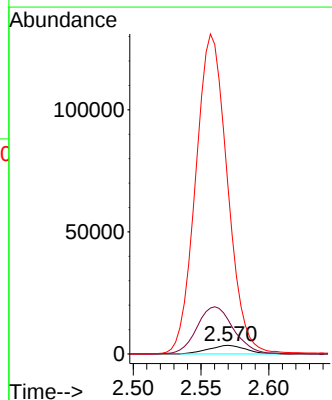
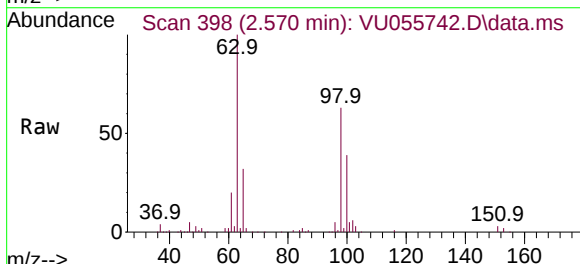
RT: 2.570 min Scan# 398

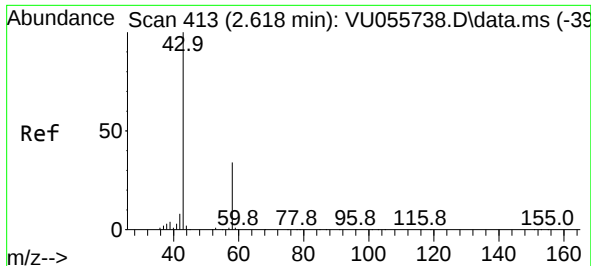
Delta R.T. -0.007 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Tgt Ion:	96	Resp:	6775
Ion	Ratio	Lower	Upper
96	100		
61	401.0	122.0	226.6#
63	1957.9	93.7	174.1#

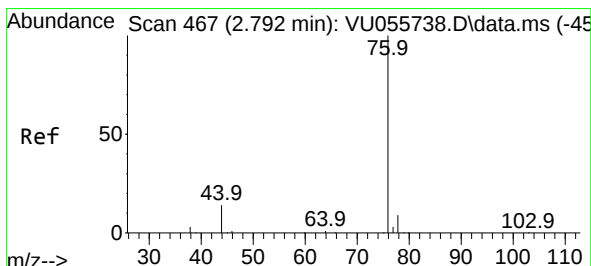
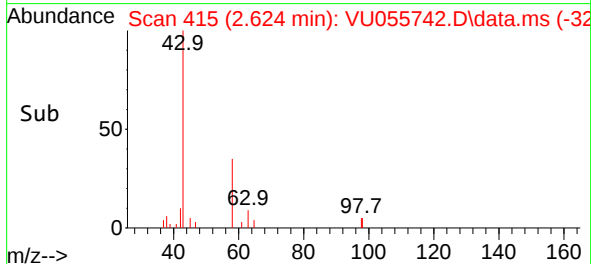
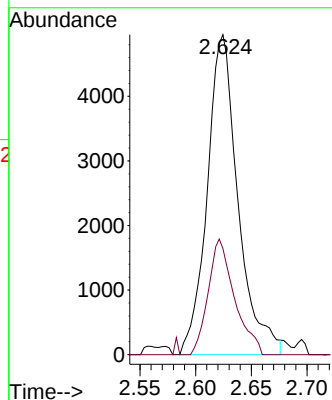
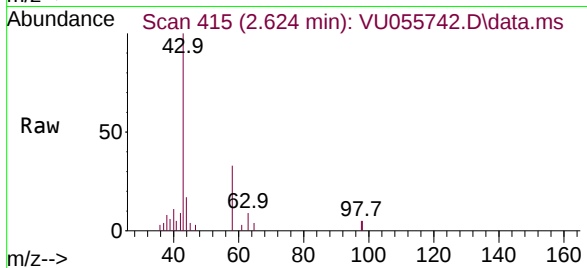




#13
Acetone
Concen: 3.765 ug/L
RT: 2.624 min Scan# 413
Delta R.T. 0.006 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

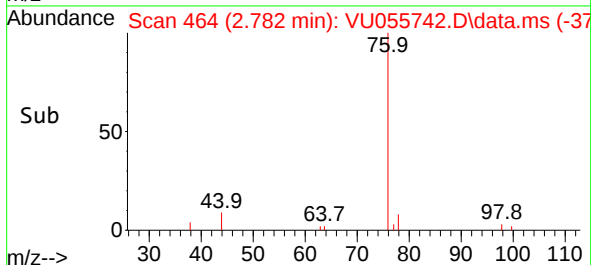
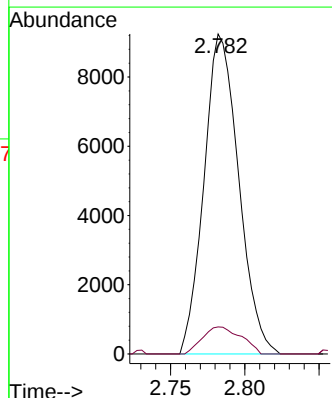
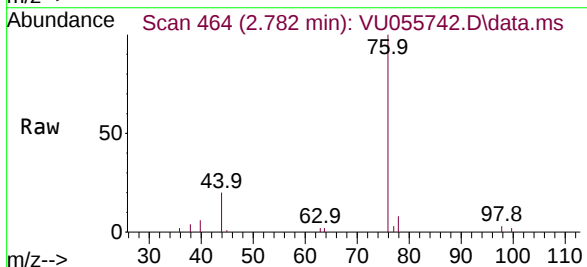
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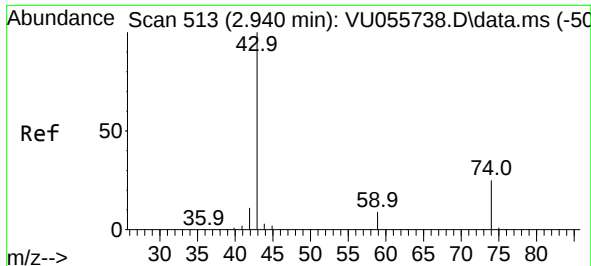
Tgt Ion: 43 Resp: 9551
Ion Ratio Lower Upper
43 100
58 30.8 0.0 67.4



#14
Carbon disulfide
Concen: 1.693 ug/L
RT: 2.782 min Scan# 464
Delta R.T. -0.010 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

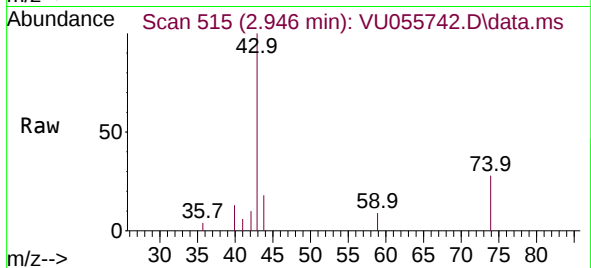
Tgt Ion: 76 Resp: 15021
Ion Ratio Lower Upper
76 100
78 8.5 6.8 10.2



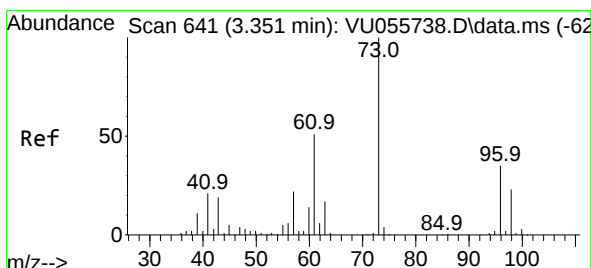
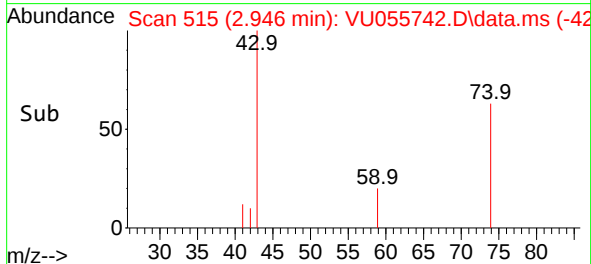
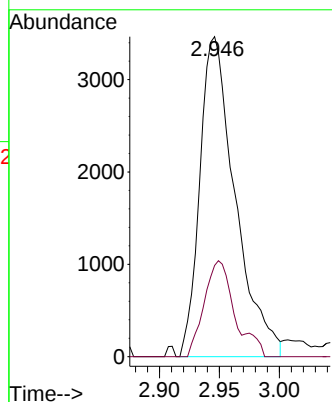


#15
Methyl Acetate
Concen: 1.829 ug/L
RT: 2.946 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument :
MSVOA_U
ClientSampleId :

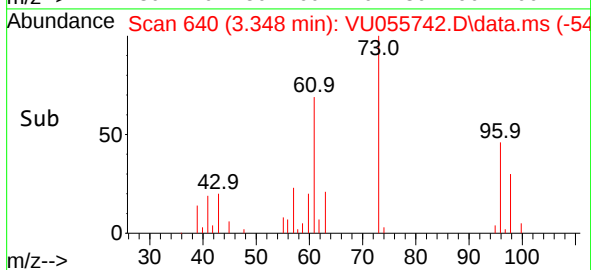
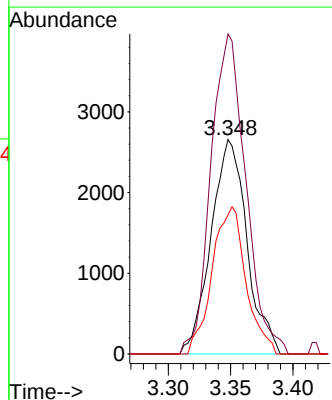
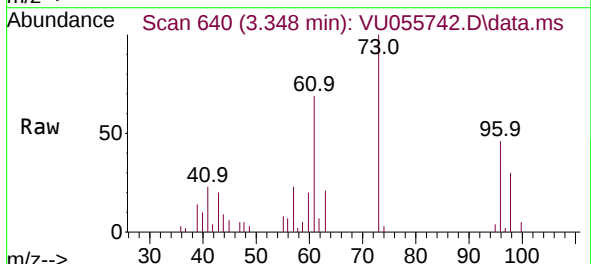


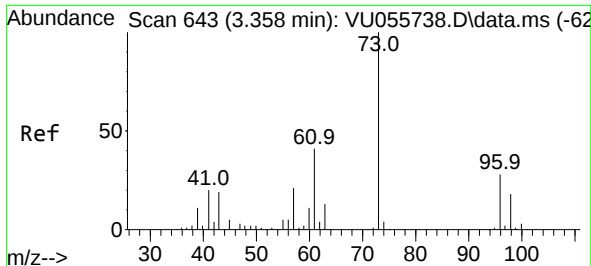
Tgt Ion: 43 Resp: 7106
Ion Ratio Lower Upper
43 100
74 23.0 19.5 29.3



#17
trans-1,2-Dichloroethene
Concen: 1.786 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 96 Resp: 5325
Ion Ratio Lower Upper
96 100
61 149.3 102.1 189.7
98 64.9 46.3 86.1

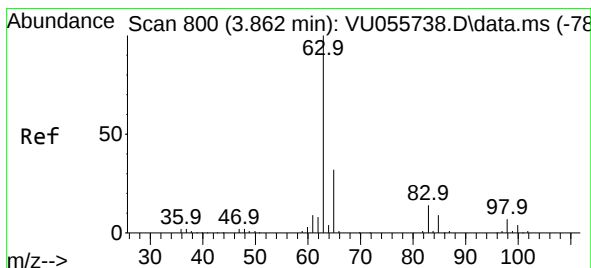
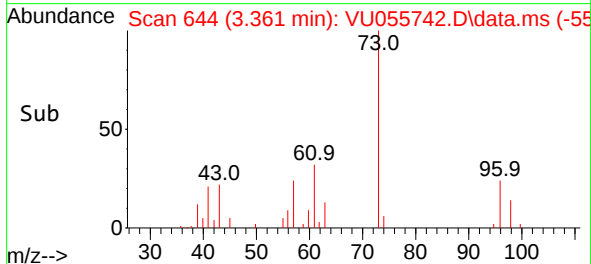
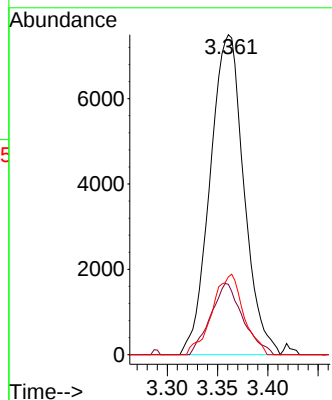
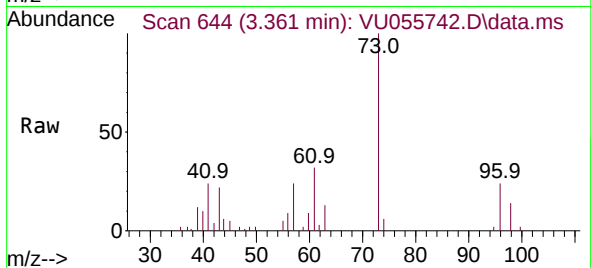




#18
Methyl tert-butyl Ether
Concen: 1.828 ug/L
RT: 3.361 min Scan# 64
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

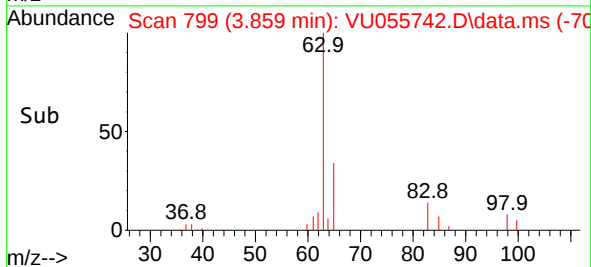
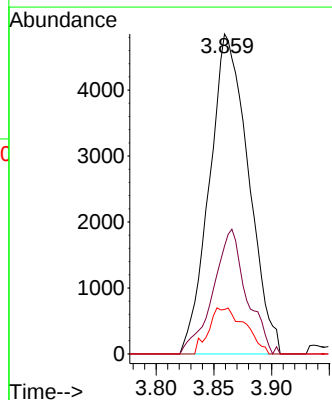
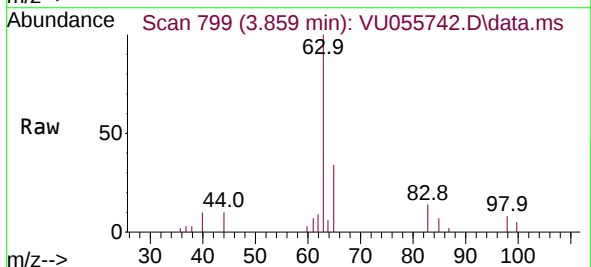
Instrument :
MSVOA_U
ClientSampleId :

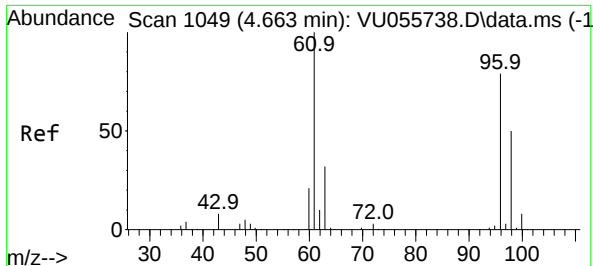
Tgt Ion: 73 Resp: 17527
Ion Ratio Lower Upper
73 100
43 21.2 15.4 23.2
57 23.4 17.7 26.5



#19
1,1-Dichloroethane
Concen: 1.860 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 63 Resp: 11370
Ion Ratio Lower Upper
63 100
65 31.9 22.3 41.5
83 13.2 9.5 17.7





#20

cis-1,2-Dichloroethene

Concen: 2.019 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

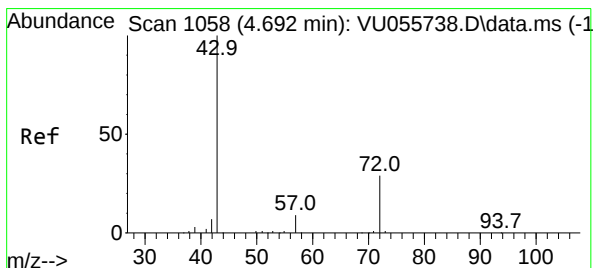
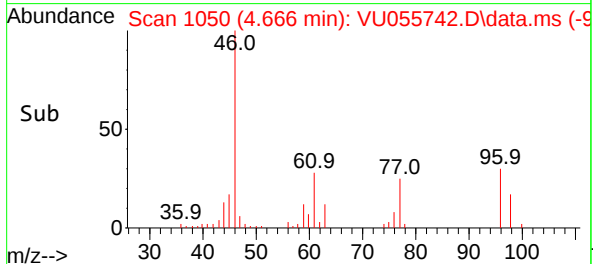
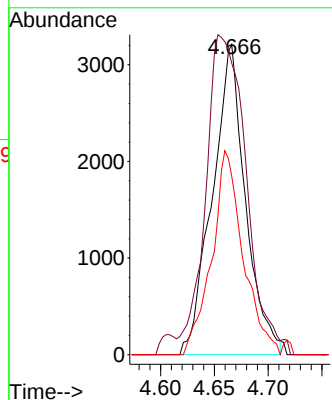
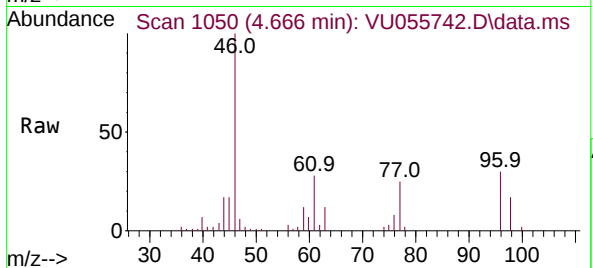
Tgt Ion: 96 Resp: 6870

Ion Ratio Lower Upper

96 100

61 94.0 92.3 171.5

98 57.6 43.9 81.5



#22

2-Butanone

Concen: 2.075 ug/L

RT: 4.714 min Scan# 1065

Delta R.T. 0.022 min

Lab File: VU055742.D

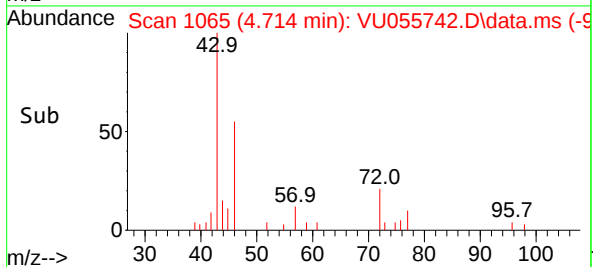
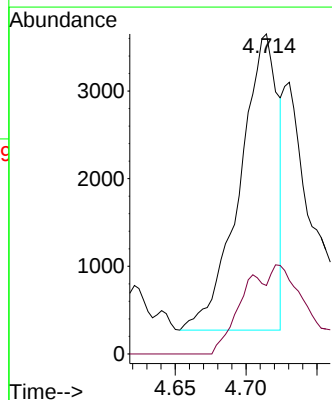
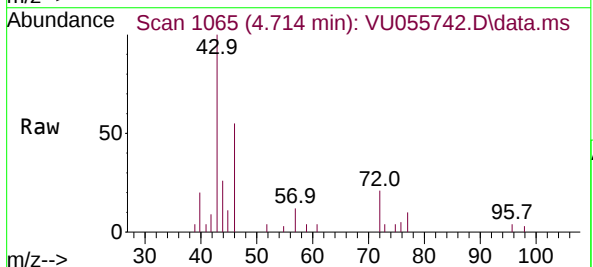
Acq: 11 Oct 2023 12:32

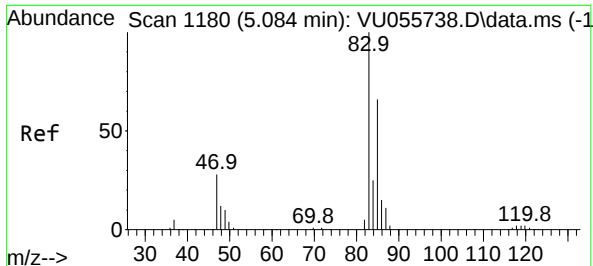
Tgt Ion: 43 Resp: 6343

Ion Ratio Lower Upper

43 100

72 21.4 14.6 44.0





#25

Chloroform

Concen: 2.208 ug/L

RT: 5.081 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

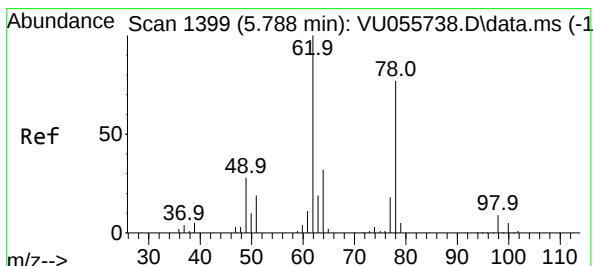
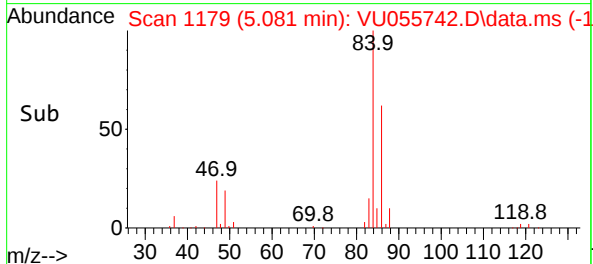
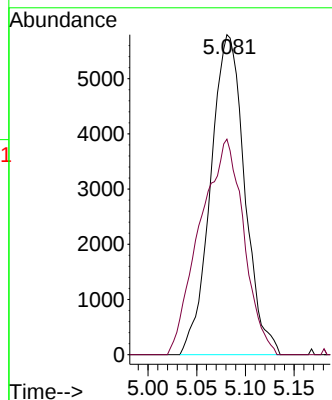
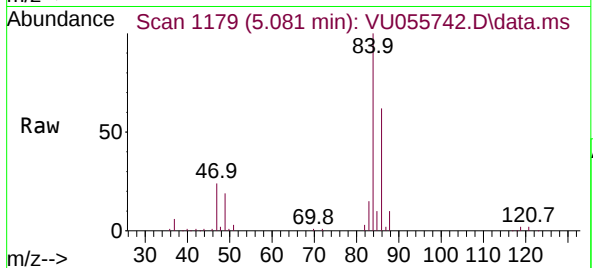
ClientSampleId :

Tgt Ion: 83 Resp: 14106

Ion Ratio Lower Upper

83 100

85 67.4 46.3 86.1



#27

1,2-Dichloroethane

Concen: 2.022 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU055742.D

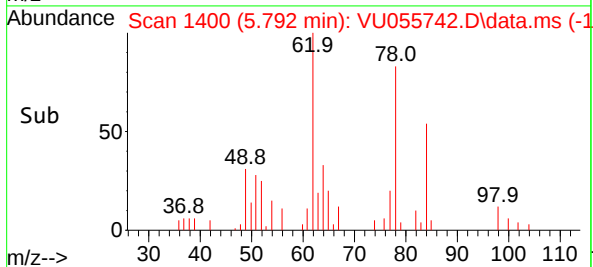
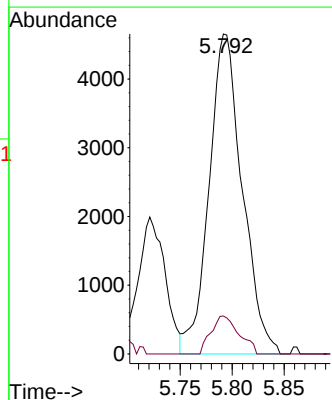
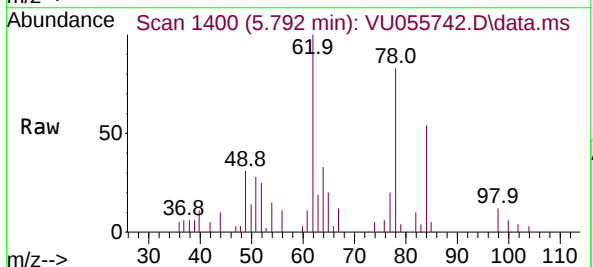
Acq: 11 Oct 2023 12:32

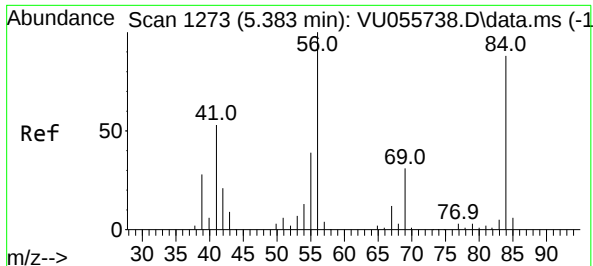
Tgt Ion: 62 Resp: 10332

Ion Ratio Lower Upper

62 100

98 11.8 7.2 10.8#





#29

Cyclohexane

Concen: 1.764 ug/L

RT: 5.380 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU055742.D

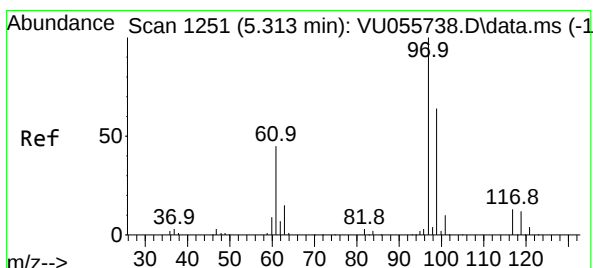
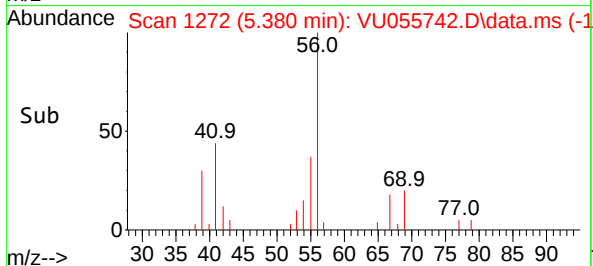
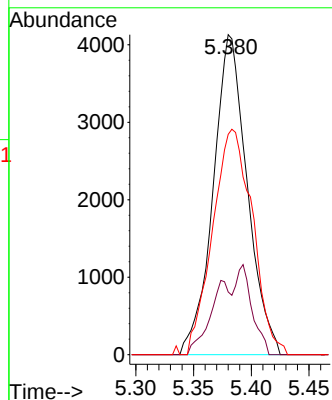
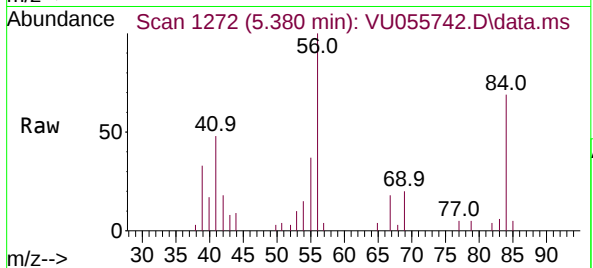
Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	56	Resp:	8454
Ion Ratio	Lower	Upper	
56	100		
69	14.7	24.9	37.3#
84	82.5	70.7	106.1



#30

1,1,1-Trichloroethane

Concen: 1.870 ug/L

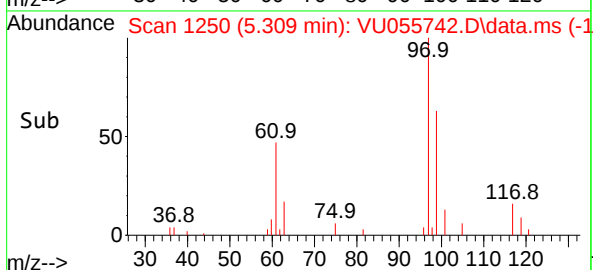
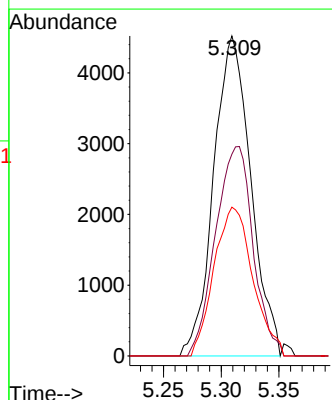
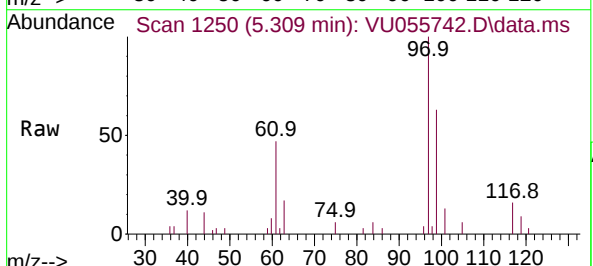
RT: 5.309 min Scan# 1250

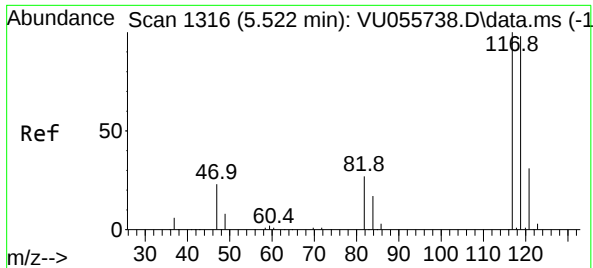
Delta R.T. -0.003 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Tgt Ion:	97	Resp:	10099
Ion Ratio	Lower	Upper	
97	100		
99	66.4	51.6	77.4
61	48.7	36.8	55.2

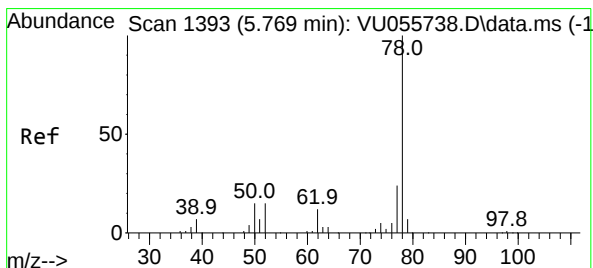
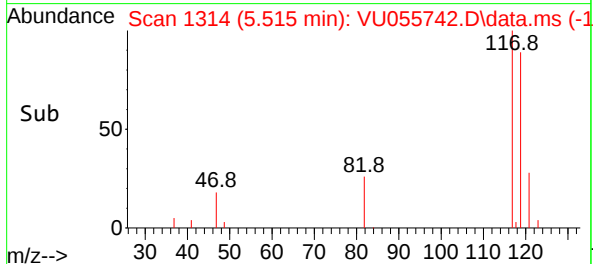
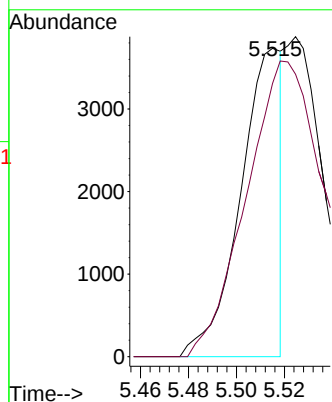
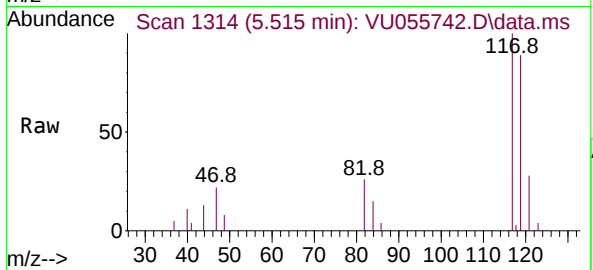




#31
Carbon tetrachloride
Concen: 0.948 ug/L
RT: 5.515 min Scan# 117
Delta R.T. -0.007 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

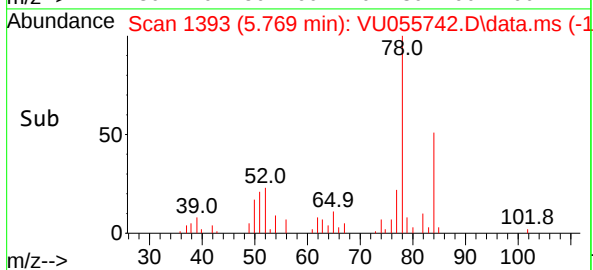
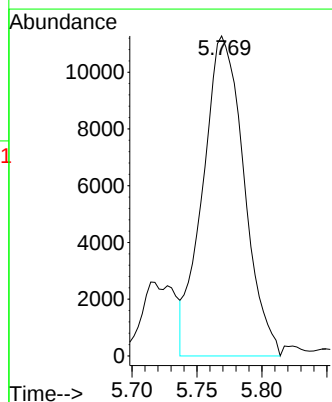
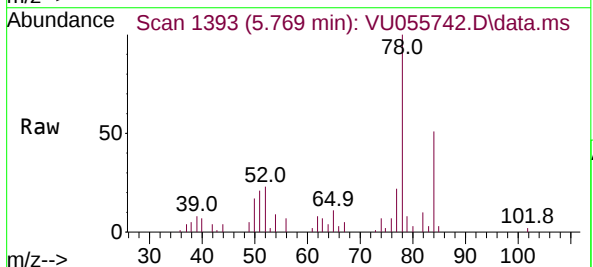
Instrument :
MSVOA_U
ClientSampleId :

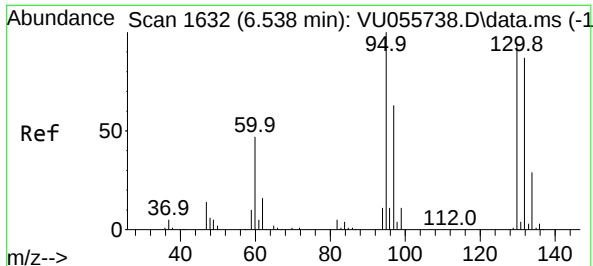
Tgt Ion:117 Resp: 4481
Ion Ratio Lower Upper
117 100
119 179.3 75.4 113.0#



#33
Benzene
Concen: 1.880 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

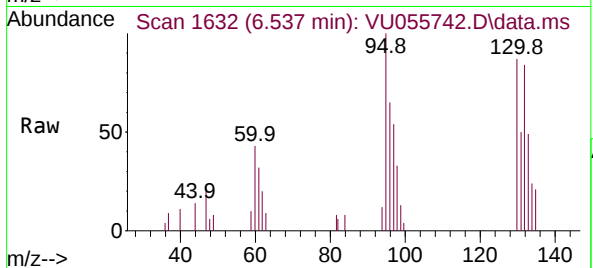
Tgt Ion: 78 Resp: 24848





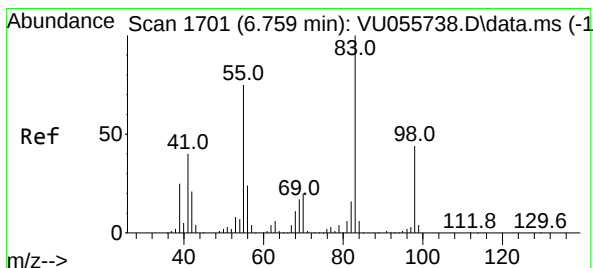
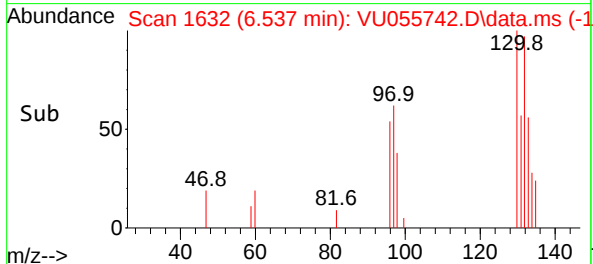
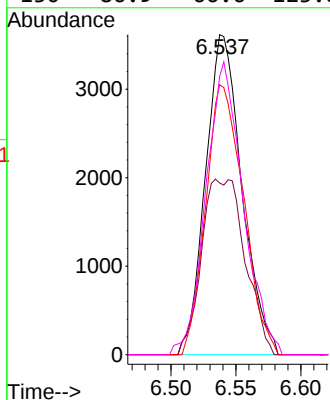
#34
Trichloroethene
Concen: 1.951 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 7056

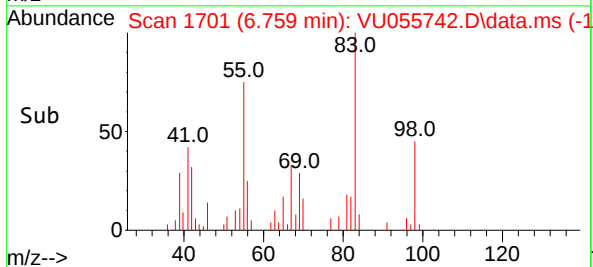
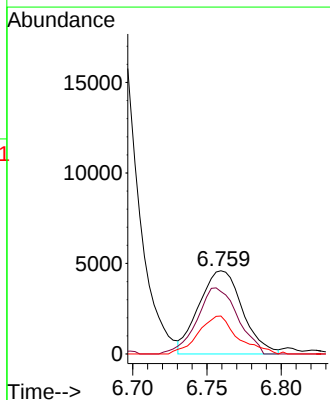
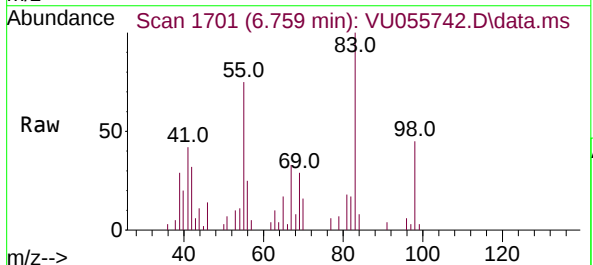
Ion	Ratio	Lower	Upper
95	100		
97	53.7	44.4	82.5
132	84.3	61.8	114.8
130	86.9	66.6	123.8

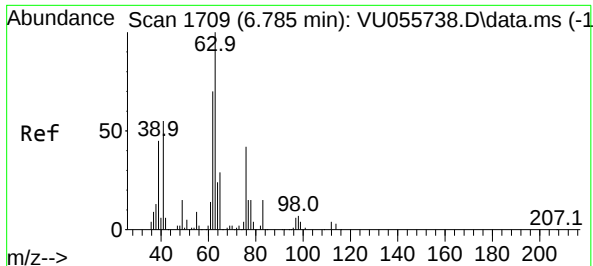


#35
Methylcyclohexane
Concen: 1.786 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 83 Resp: 9370

Ion	Ratio	Lower	Upper
83	100		
55	74.2	61.2	91.8
98	40.8	35.8	53.6

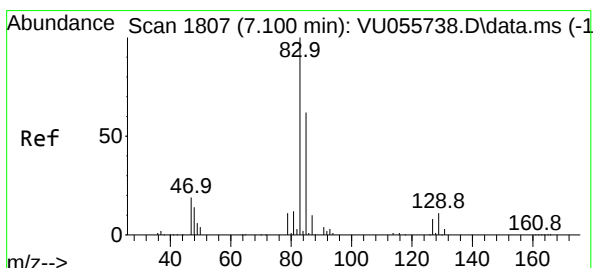
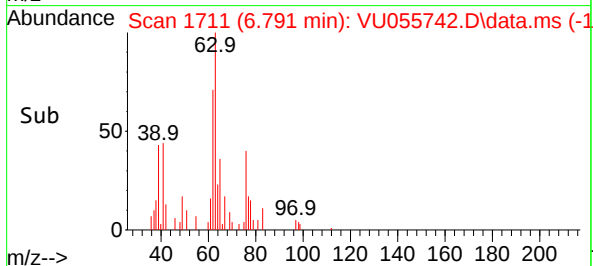
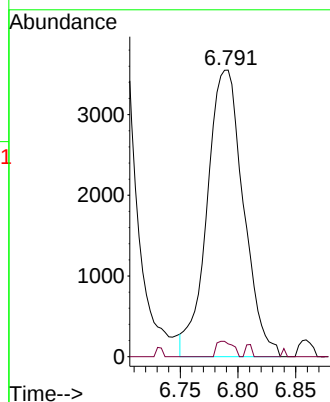
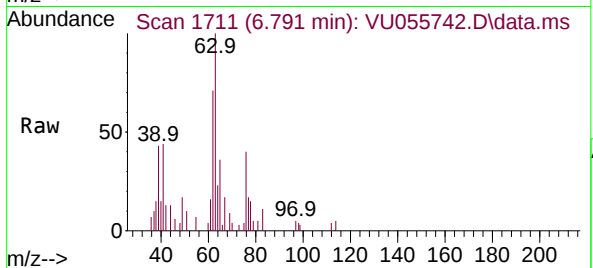




#37
1,2-Dichloropropane
Concen: 2.135 ug/L
RT: 6.791 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

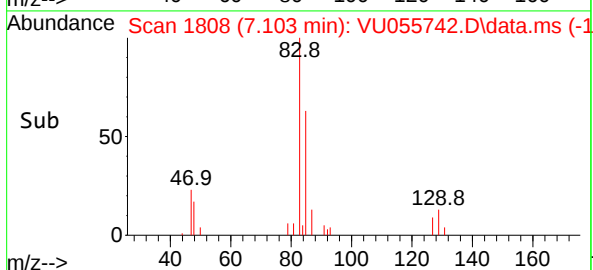
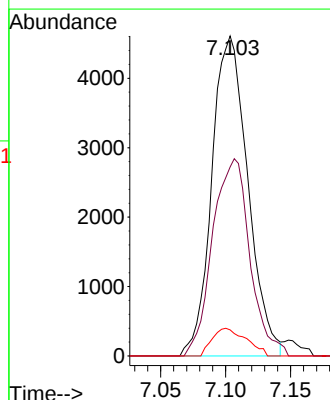
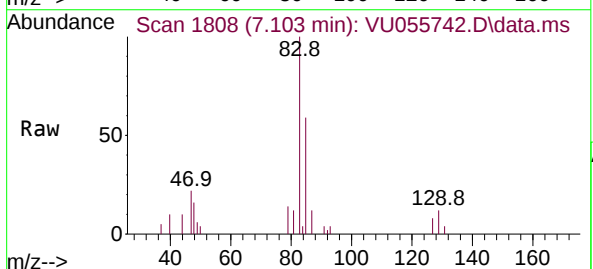
Instrument :
MSVOA_U
ClientSampleId :

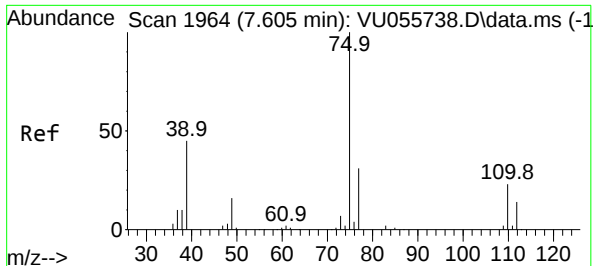
Tgt Ion: 63 Resp: 7768
Ion Ratio Lower Upper
63 100
112 2.4 3.0 4.4#



#38
Bromodichloromethane
Concen: 1.850 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 83 Resp: 8877
Ion Ratio Lower Upper
83 100
85 59.0 46.0 85.4
127 8.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 1.796 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

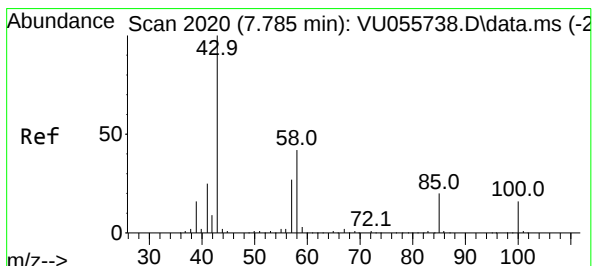
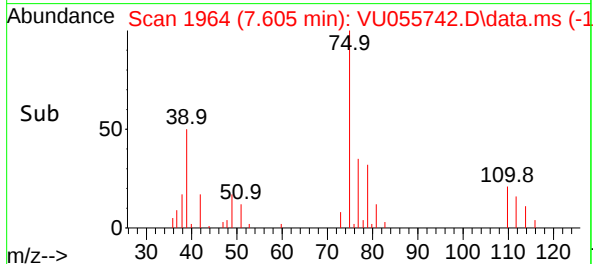
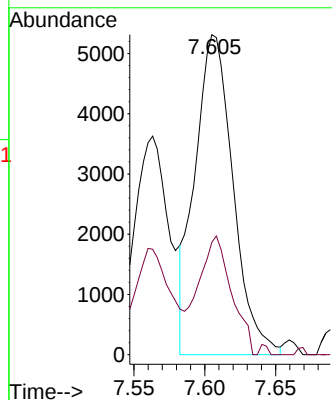
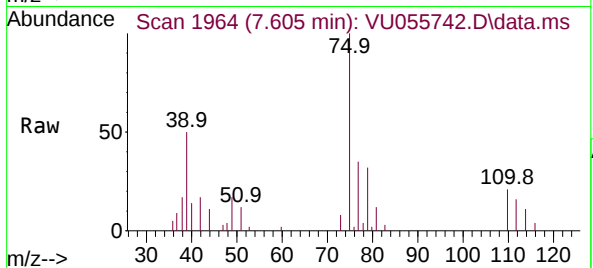
ClientSampleId :

Tgt Ion: 75 Resp: 9944

Ion Ratio Lower Upper

75 100

77 35.1 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 3.816 ug/L

RT: 7.791 min Scan# 2022

Delta R.T. 0.006 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

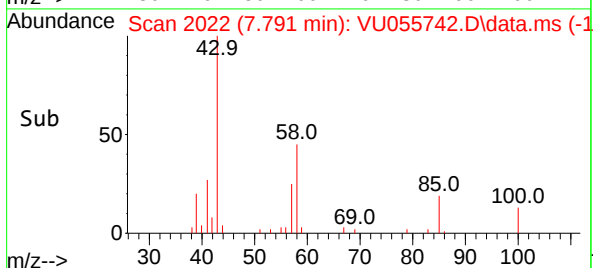
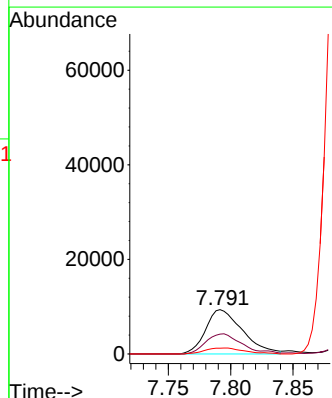
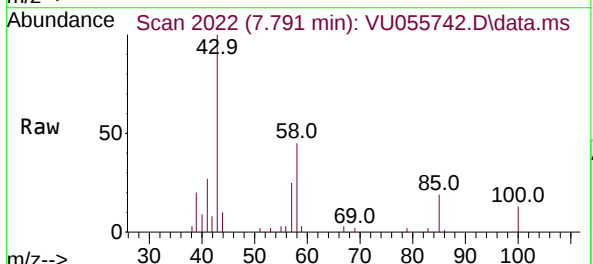
Tgt Ion: 43 Resp: 19320

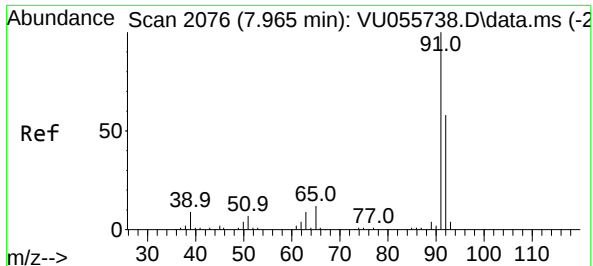
Ion Ratio Lower Upper

43 100

58 42.2 32.3 48.5

100 13.7 12.0 18.0





#42

Toluene

Concen: 1.909 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

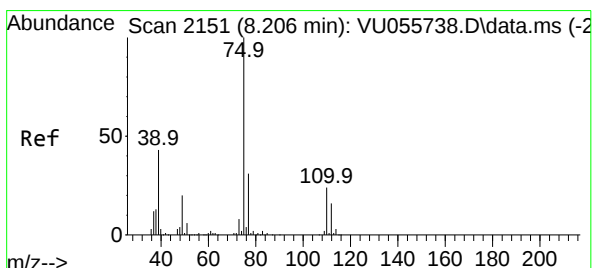
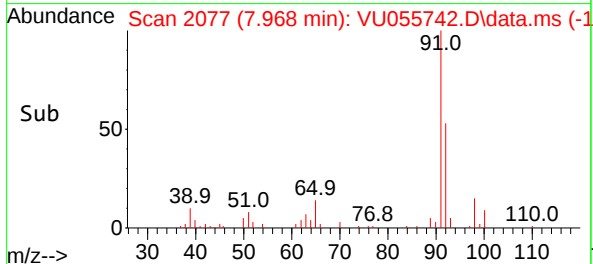
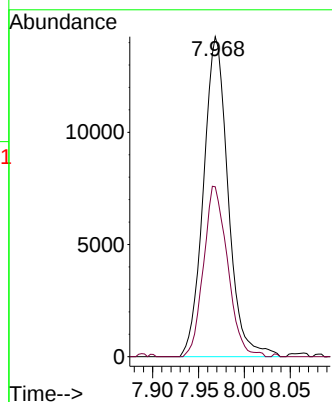
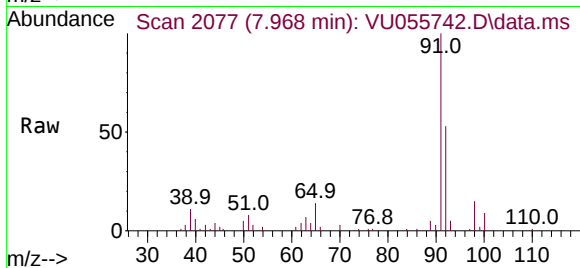
ClientSampleId :

Tgt Ion: 91 Resp: 26624

Ion Ratio Lower Upper

91 100

92 53.1 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 1.857 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU055742.D

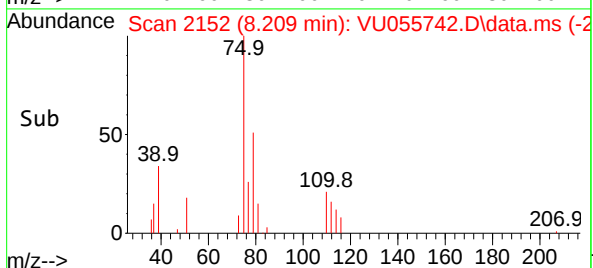
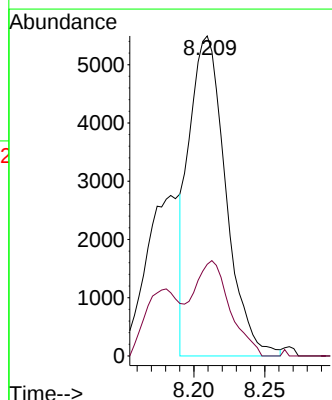
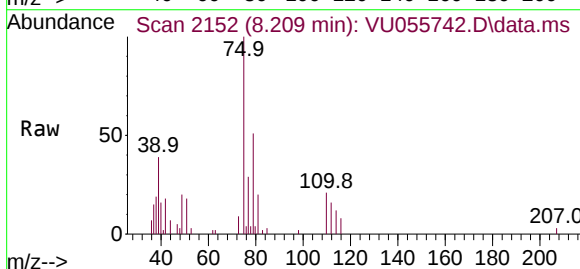
Acq: 11 Oct 2023 12:32

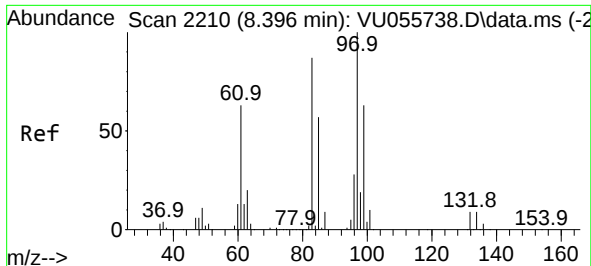
Tgt Ion: 75 Resp: 9837

Ion Ratio Lower Upper

75 100

77 28.7 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 1.873 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 6722

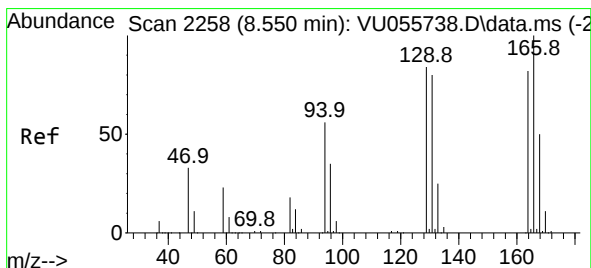
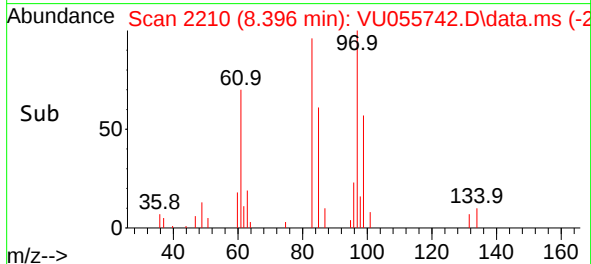
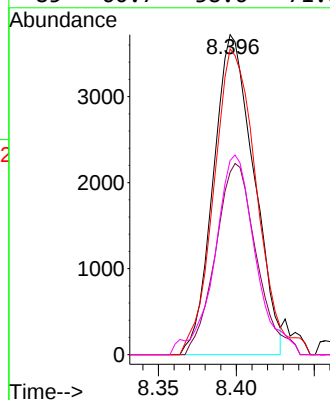
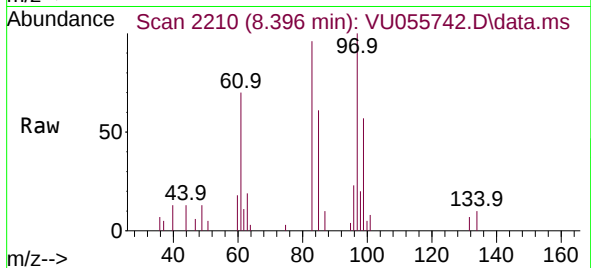
Ion Ratio Lower Upper

97 100

99 57.0 44.4 82.5

83 95.6 60.4 112.2

85 60.7 38.6 71.8



#46

Tetrachloroethene

Concen: 1.775 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Tgt Ion:164 Resp: 4595

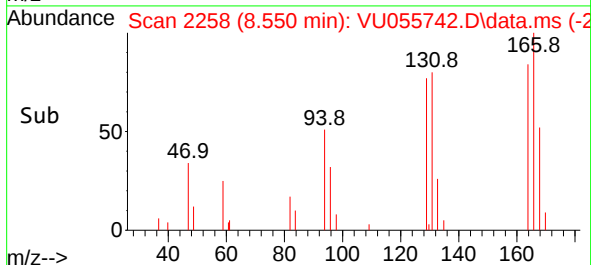
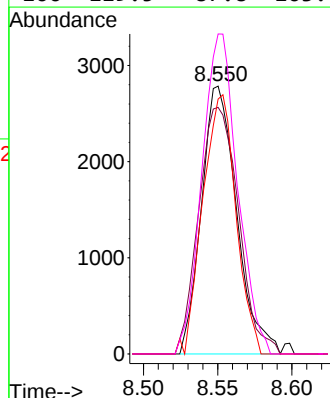
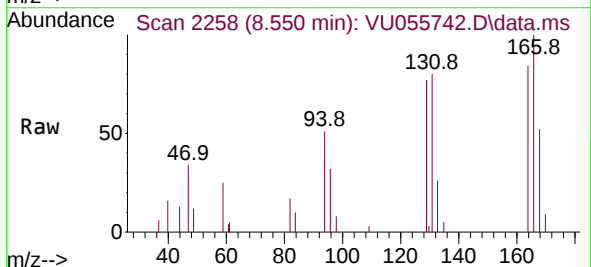
Ion Ratio Lower Upper

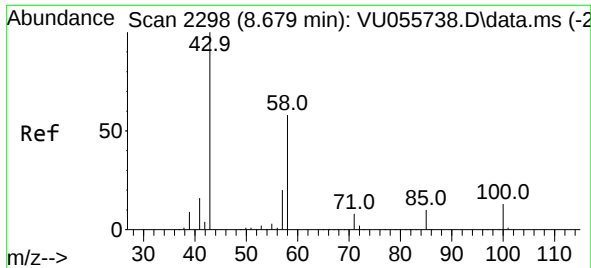
164 100

129 96.0 70.7 131.3

131 95.2 65.9 122.5

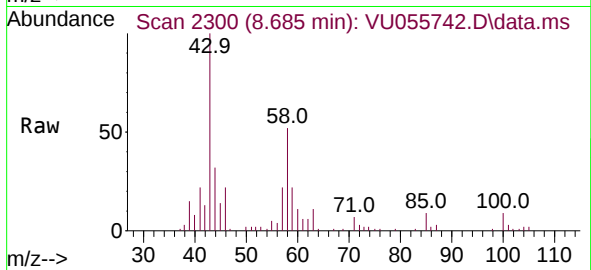
166 119.5 87.8 163.0



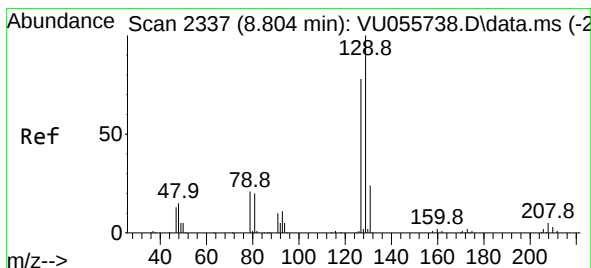
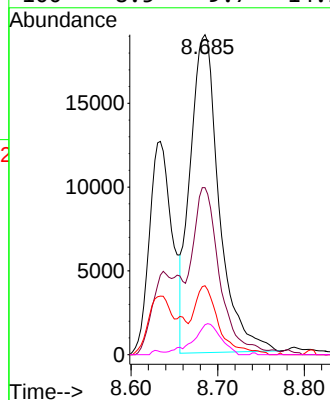
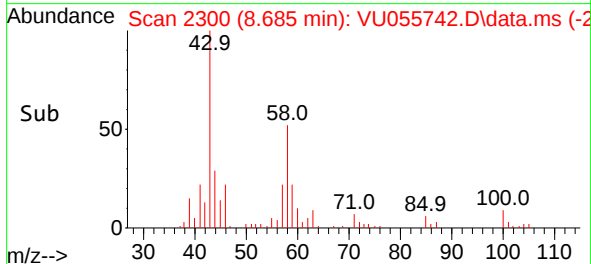


#48
2-Hexanone
Concen: 10.311 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument :
MSVOA_U
ClientSampleId :

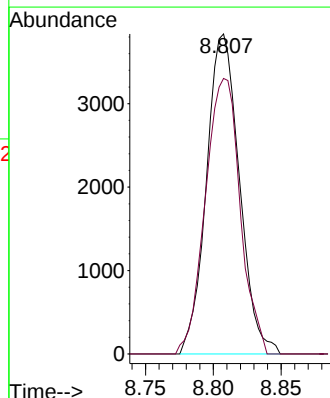
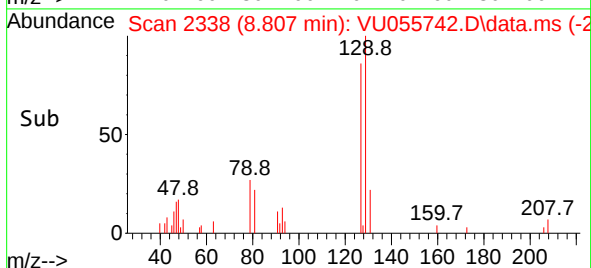
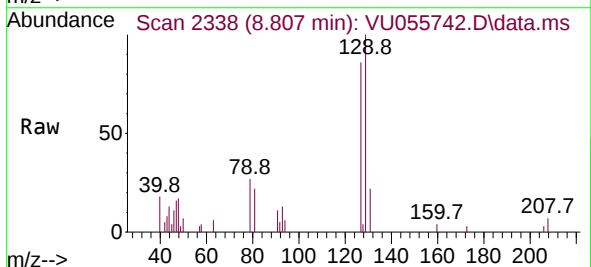


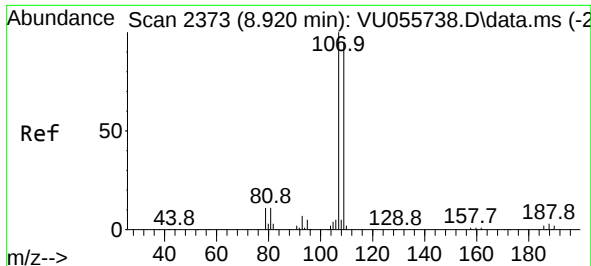
Tgt Ion: 43 Resp: 44092
Ion Ratio Lower Upper
43 100
58 46.8 45.2 67.8
57 16.2 16.1 24.1
100 8.5 9.7 14.5#



#49
Dibromochloromethane
Concen: 1.770 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 129 Resp: 6490
Ion Ratio Lower Upper
129 100
127 90.2 54.0 100.4

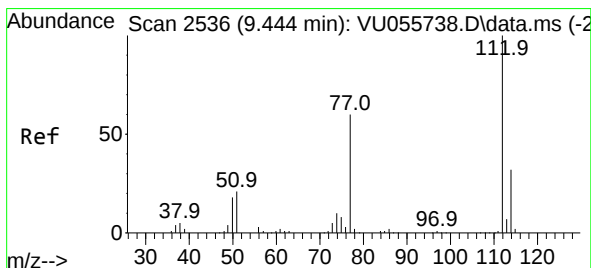
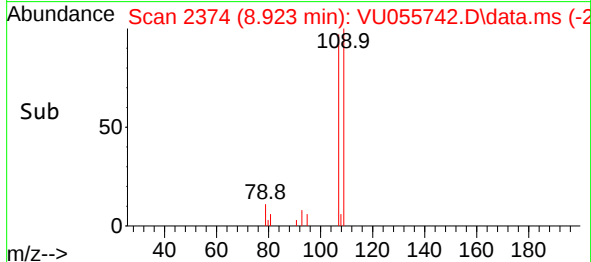
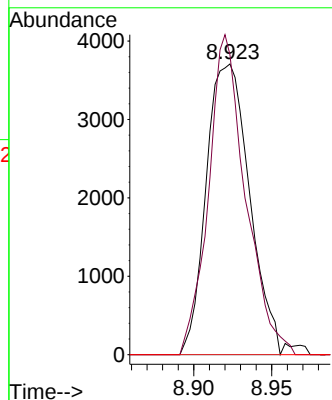
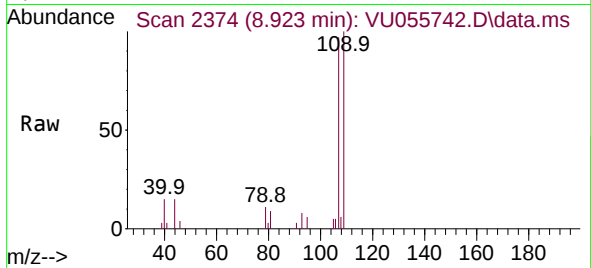




#50
1,2-Dibromoethane
Concen: 1.858 ug/L
RT: 8.923 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

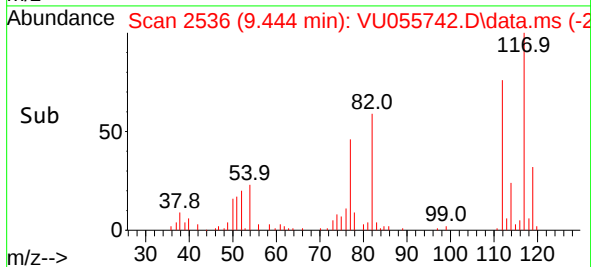
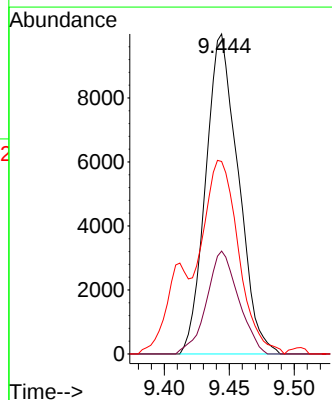
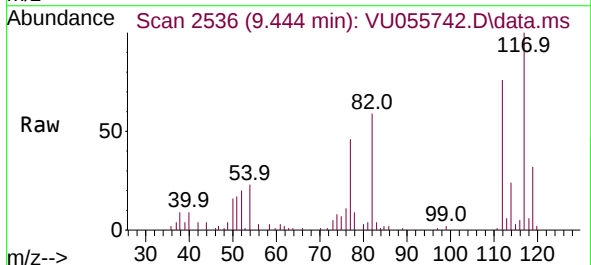
Instrument :
MSVOA_U
ClientSampleId :

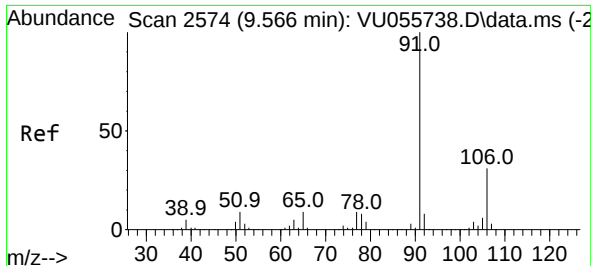
Tgt Ion:107 Resp: 7161
Ion Ratio Lower Upper
107 100
109 103.2 66.7 123.9
188 0.0 2.6 4.0#



#51
Chlorobenzene
Concen: 1.931 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion:112 Resp: 17420
Ion Ratio Lower Upper
112 100
114 32.1 22.0 40.8
77 60.1 49.0 73.6

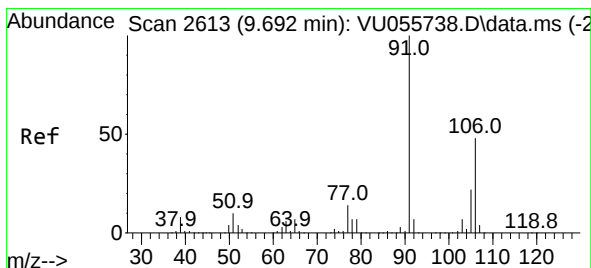
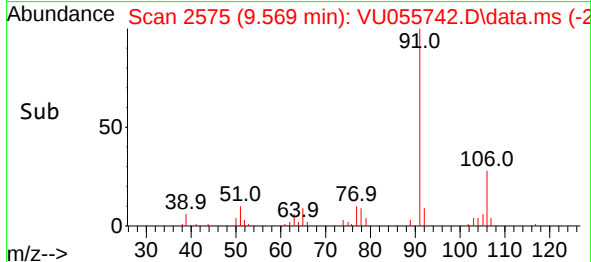
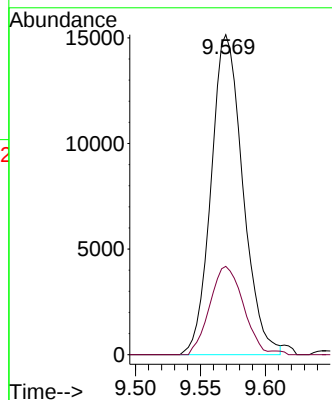
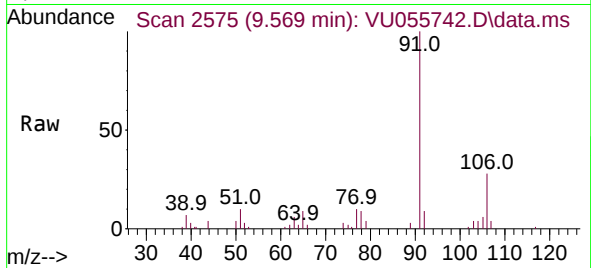




#52
Ethylbenzene
Concen: 1.688 ug/L
RT: 9.569 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

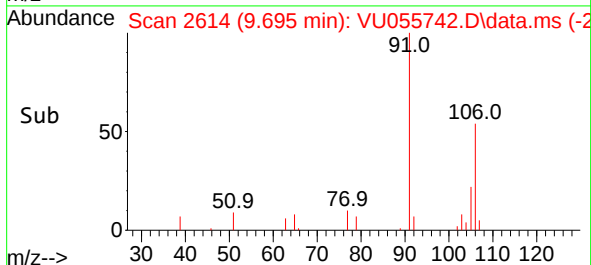
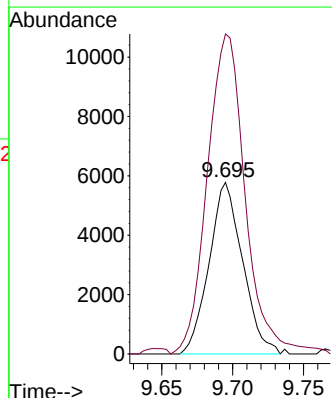
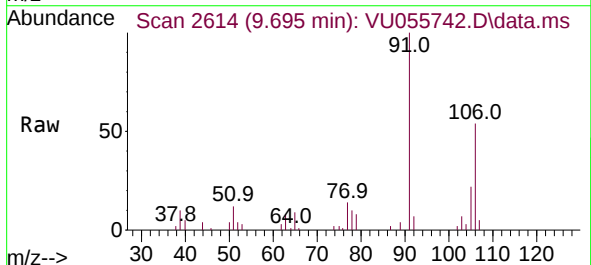
Instrument :
MSVOA_U
ClientSampleId :

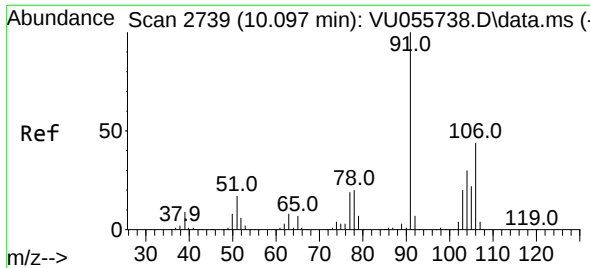
Tgt Ion: 91 Resp: 25741
Ion Ratio Lower Upper
91 100
106 31.2 21.2 39.4



#53
m,p-Xylene
Concen: 1.664 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 106 Resp: 9503
Ion Ratio Lower Upper
106 100
91 171.9 143.8 267.0

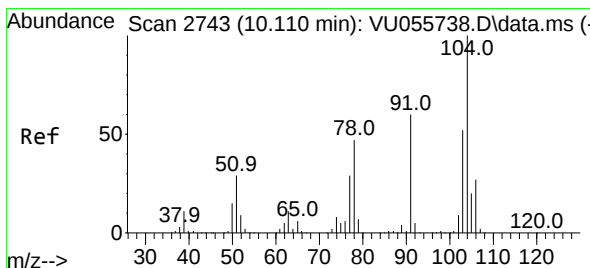
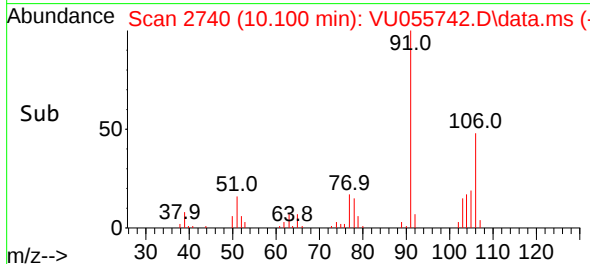
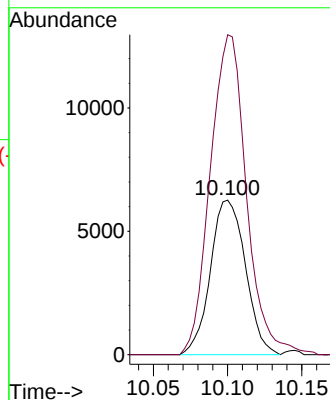
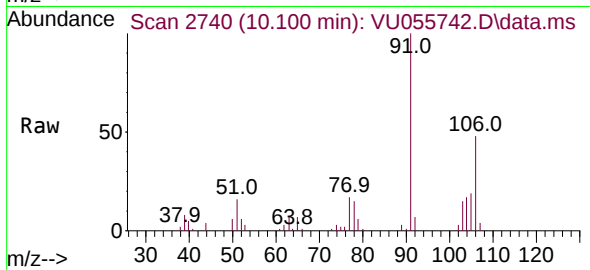




#54
o-Xylene
Concen: 1.862 ug/L
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

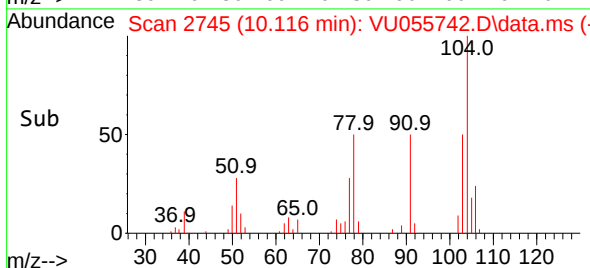
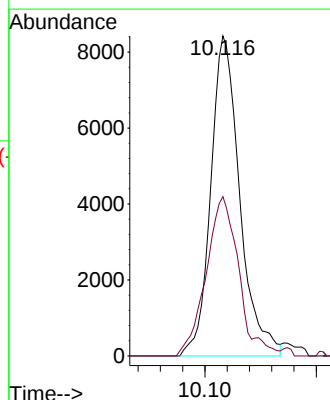
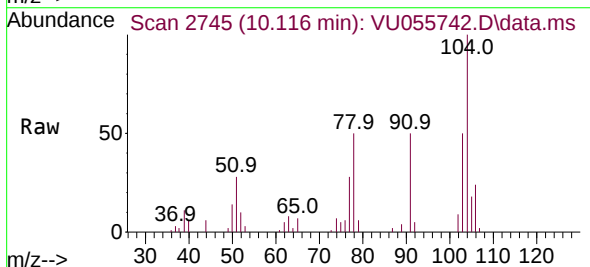
Instrument :
MSVOA_U
ClientSampleId :

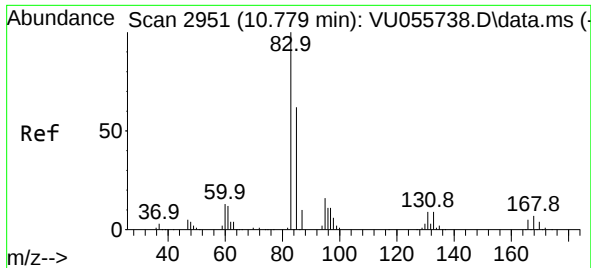
Tgt Ion:106 Resp: 10289
Ion Ratio Lower Upper
106 100
91 207.1 151.8 282.0



#55
Styrene
Concen: 1.628 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.006 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion:104 Resp: 15248
Ion Ratio Lower Upper
104 100
78 49.8 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 2.412 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

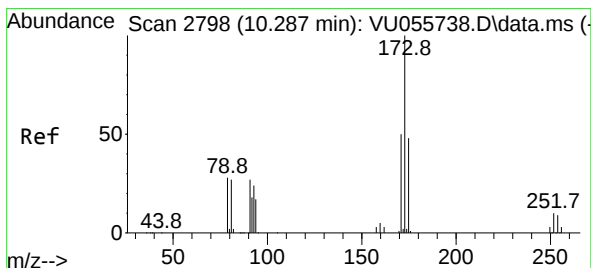
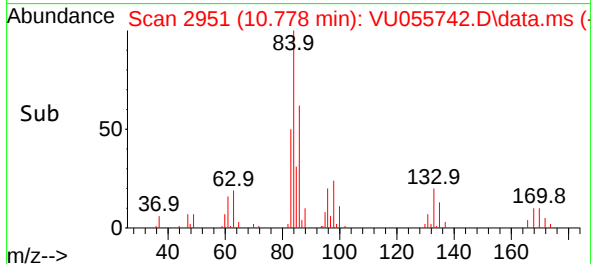
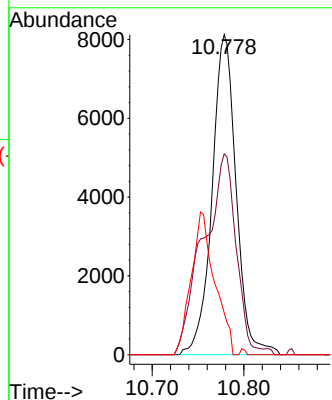
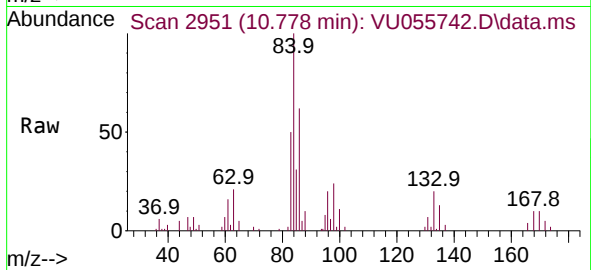
Tgt Ion: 83 Resp: 14820

Ion Ratio Lower Upper

83 100

85 62.8 44.9 83.5

131 13.1 7.3 10.9#



#59

Bromoform

Concen: 2.085 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.003 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

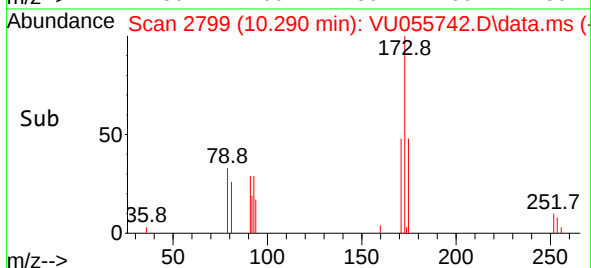
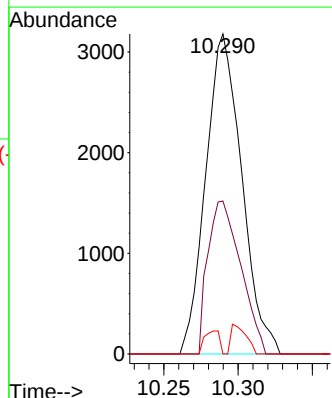
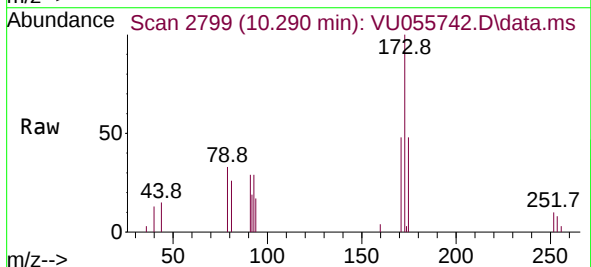
Tgt Ion:173 Resp: 5365

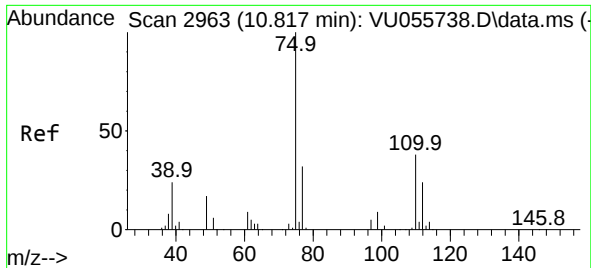
Ion Ratio Lower Upper

173 100

175 43.5 40.4 60.6

254 3.0 7.3 10.9#

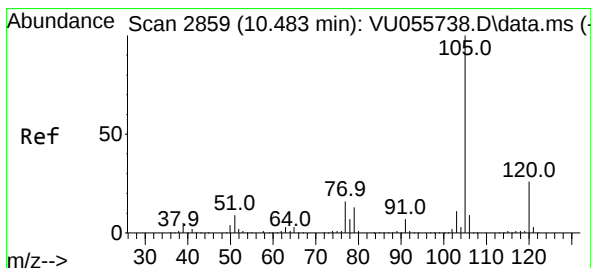
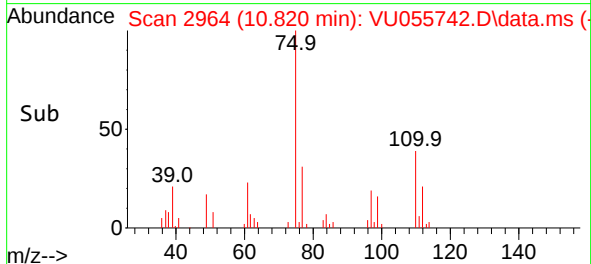
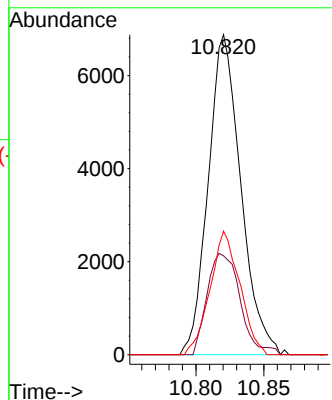
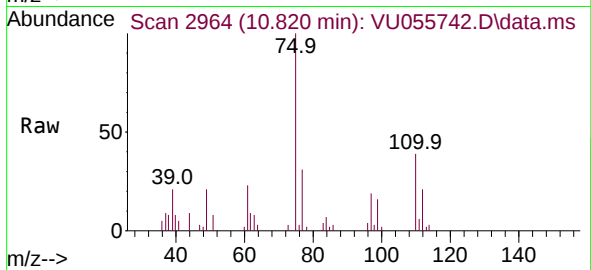




#60
1,2,3-Trichloropropane
Concen: 2.534 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

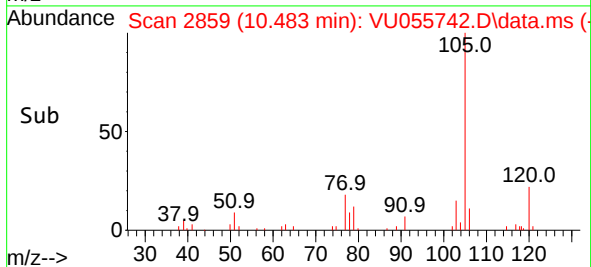
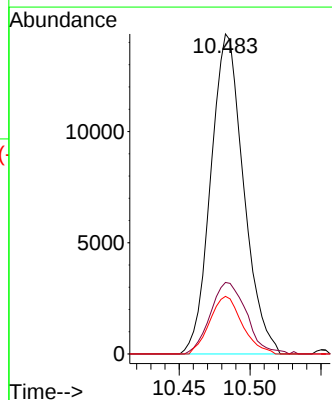
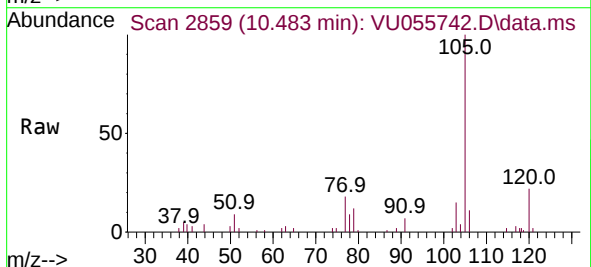
Instrument :
MSVOA_U
ClientSampleId :

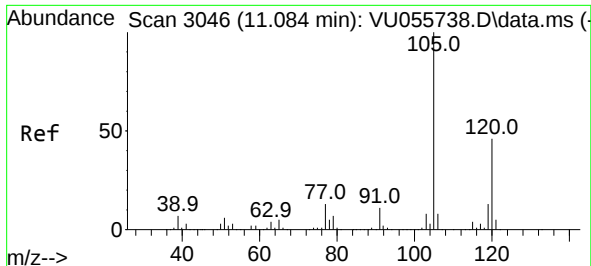
Tgt Ion: 75 Resp: 11499
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.8
110 35.3 28.5 42.7



#61
Isopropylbenzene
Concen: 1.775 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 105 Resp: 23131
Ion Ratio Lower Upper
105 100
120 24.6 20.6 30.8
77 17.8 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 1.705 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

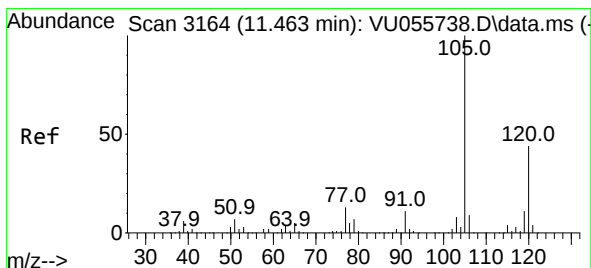
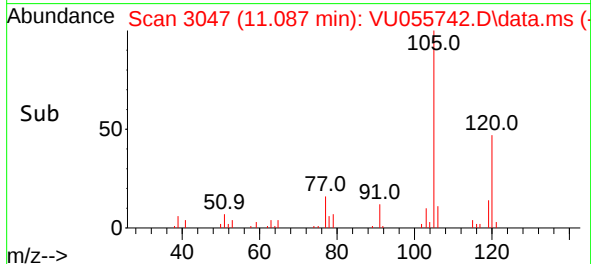
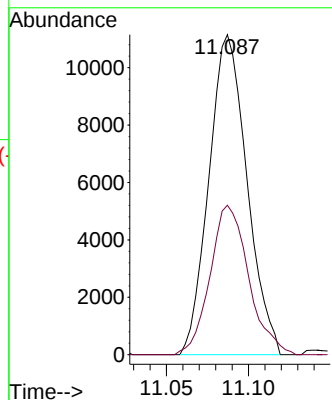
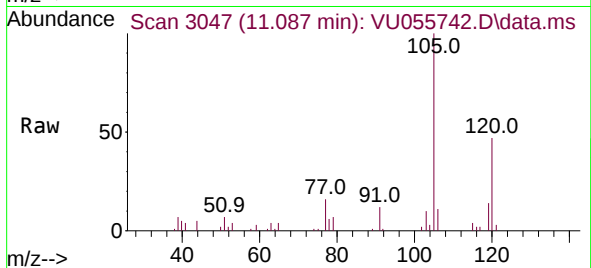
ClientSampleId :

Tgt Ion:105 Resp: 17982

Ion Ratio Lower Upper

105 100

120 47.3 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 1.726 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU055742.D

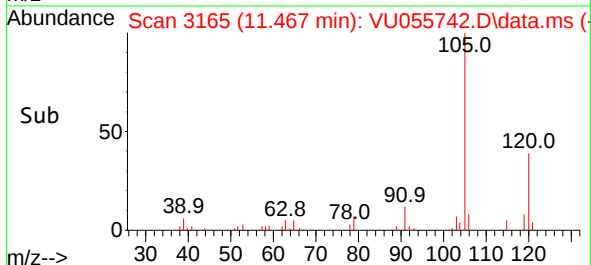
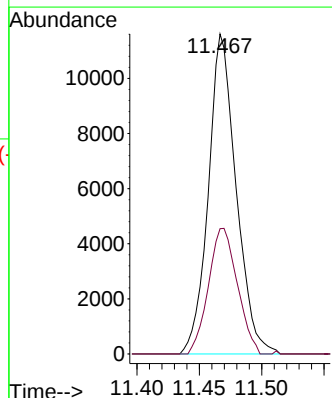
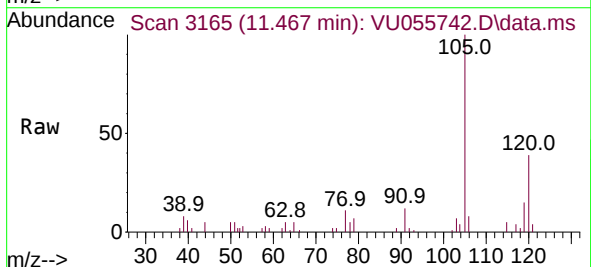
Acq: 11 Oct 2023 12:32

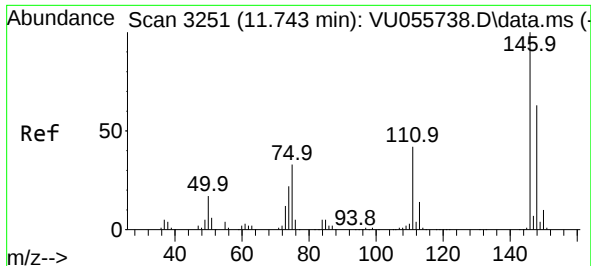
Tgt Ion:105 Resp: 18003

Ion Ratio Lower Upper

105 100

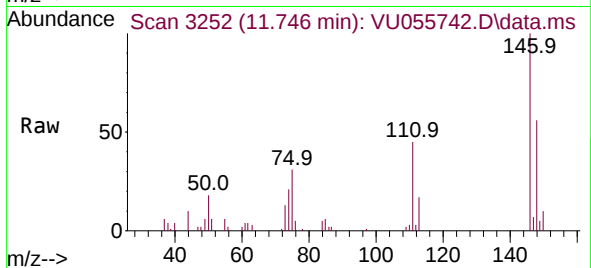
120 40.7 35.0 52.4



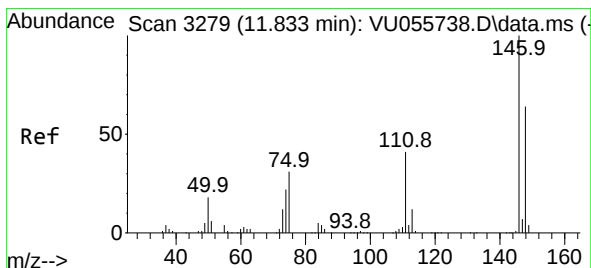
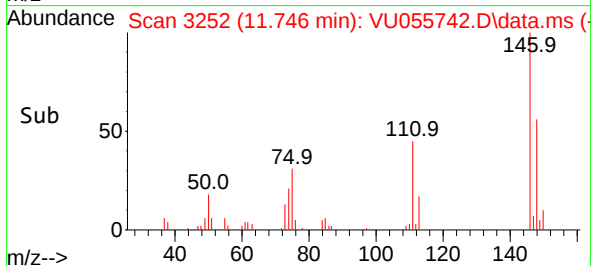
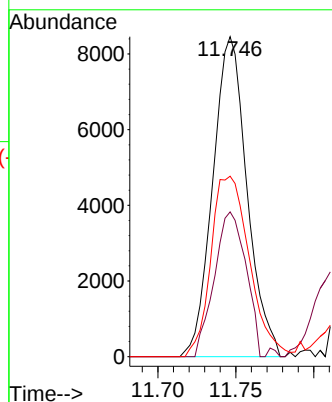


#64
 1,3-Dichlorobenzene
 Concen: 2.007 ug/L
 RT: 11.746 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU055742.D
 Acq: 11 Oct 2023 12:32

Instrument :
 MSVOA_U
 ClientSampleId :

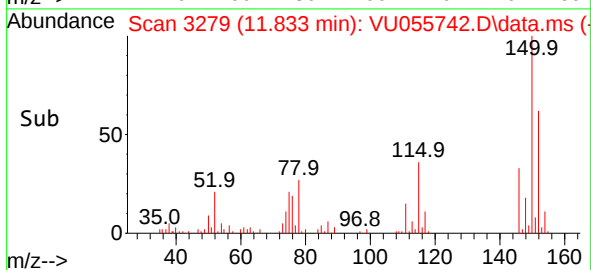
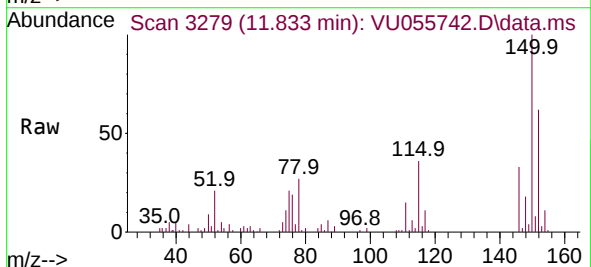
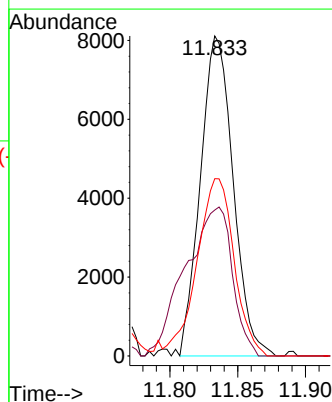


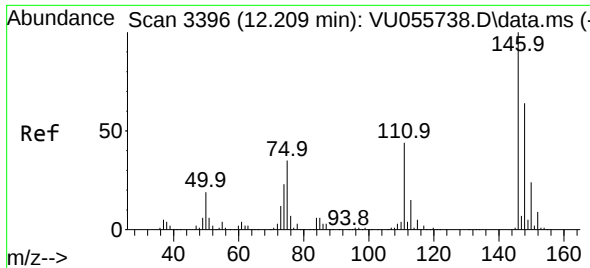
Tgt Ion:146 Resp: 12933
 Ion Ratio Lower Upper
 146 100
 111 48.1 29.7 55.1
 148 61.8 45.0 83.6



#65
 1,4-Dichlorobenzene
 Concen: 2.062 ug/L
 RT: 11.833 min Scan# 3279
 Delta R.T. -0.000 min
 Lab File: VU055742.D
 Acq: 11 Oct 2023 12:32

Tgt Ion:146 Resp: 13661
 Ion Ratio Lower Upper
 146 100
 111 45.6 28.6 53.0
 148 55.4 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 2.176 ug/L

RT: 12.212 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

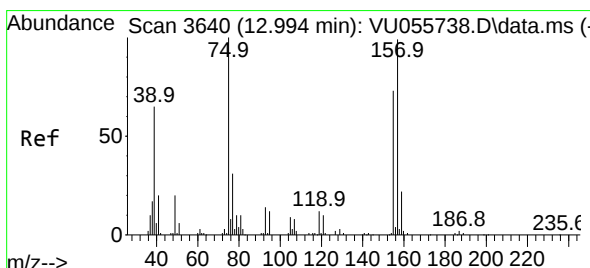
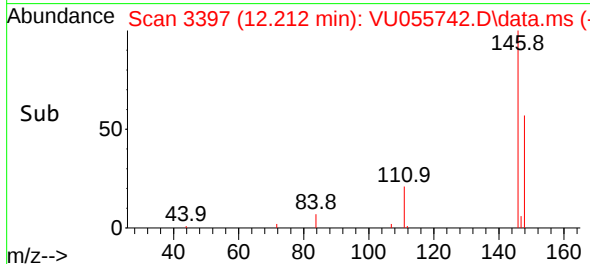
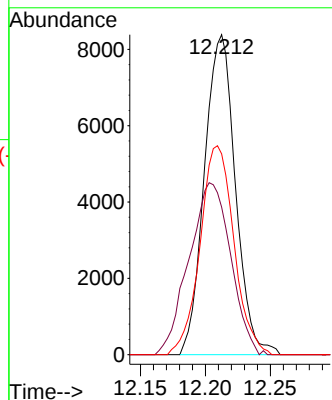
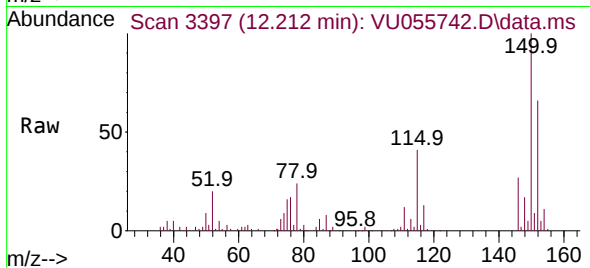
Tgt Ion:146 Resp: 13914

Ion Ratio Lower Upper

146 100

111 43.0 35.2 52.8

148 58.6 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 1.623 ug/L

RT: 13.000 min Scan# 3642

Delta R.T. 0.006 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

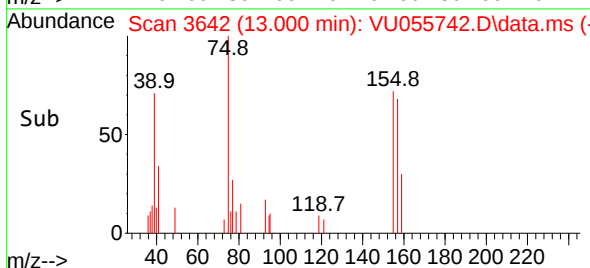
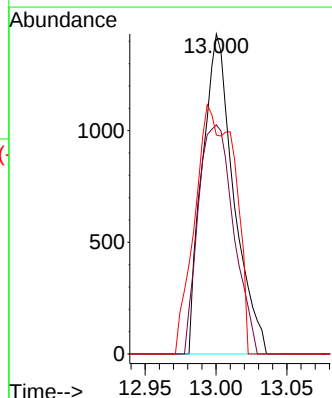
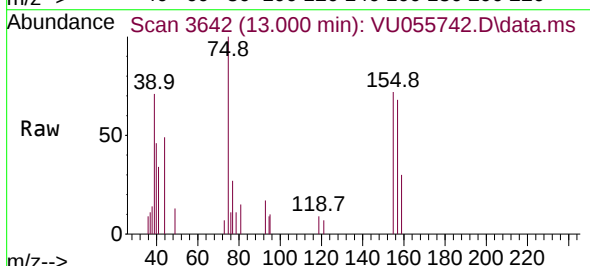
Tgt Ion: 75 Resp: 2202

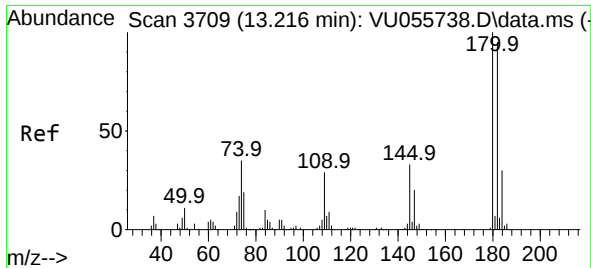
Ion Ratio Lower Upper

75 100

155 71.6 59.6 89.4

157 68.4 77.7 116.5#





#69

1,3,5-Trichlorobenzene

Concen: 1.990 ug/L

RT: 13.222 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 8551

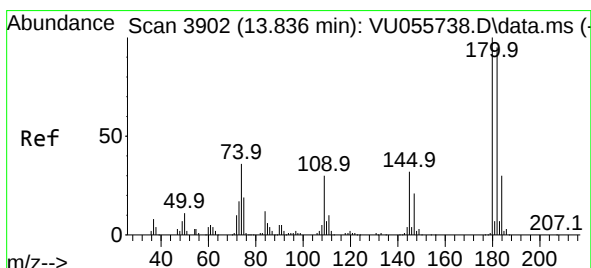
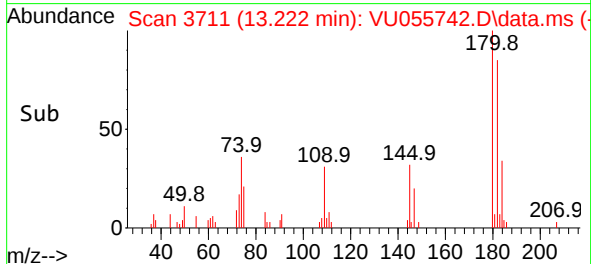
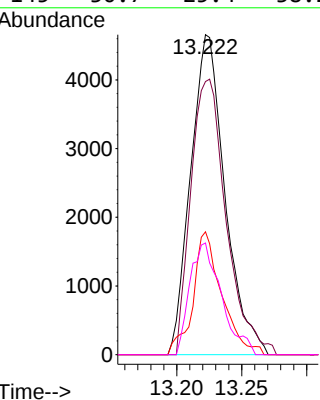
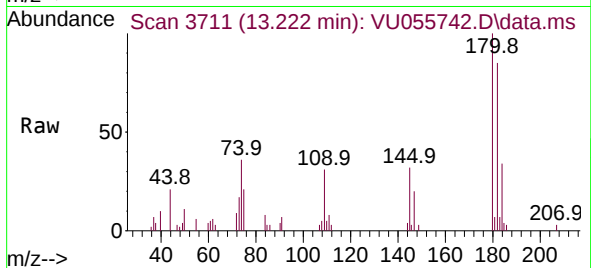
Ion Ratio Lower Upper

180 100

182 87.9 76.2 114.2

184 31.6 23.9 35.9

145 30.7 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 1.700 ug/L

RT: 13.849 min Scan# 3906

Delta R.T. 0.013 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

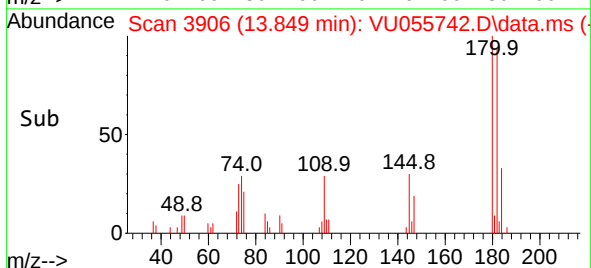
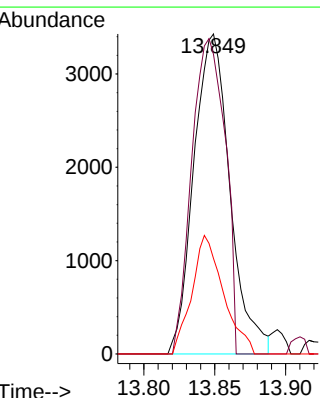
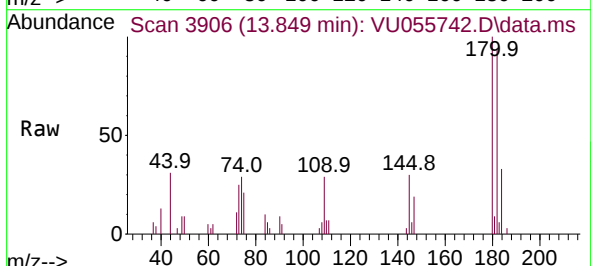
Tgt Ion:180 Resp: 6085

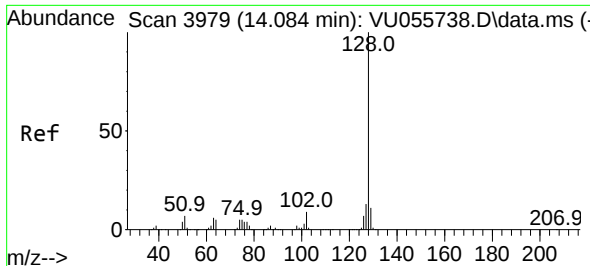
Ion Ratio Lower Upper

180 100

182 91.1 75.4 113.2

145 32.3 26.1 39.1

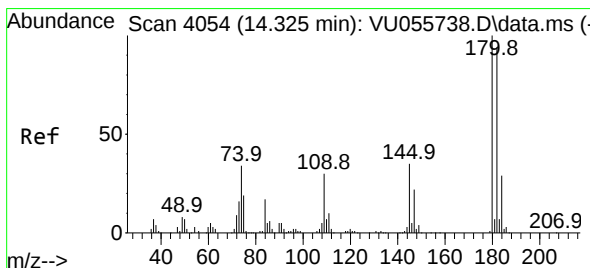
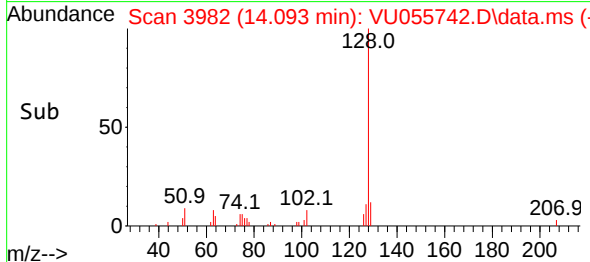
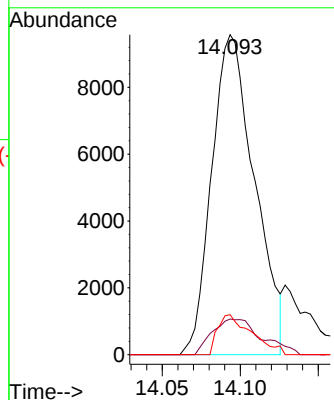
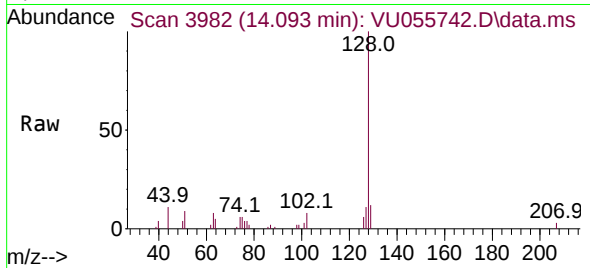




#71
Naphthalene
Concen: 1.720 ug/L
RT: 14.093 min Scan# 3979
Delta R.T. 0.010 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 18293
Ion Ratio Lower Upper
128 100
127 6.3 10.6 16.0#
129 9.6 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 1.655 ug/L
RT: 14.335 min Scan# 4057
Delta R.T. 0.010 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion:180 Resp: 5842
Ion Ratio Lower Upper
180 100
182 101.5 78.1 117.1
145 35.5 27.4 41.0

