

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092123\
 Data File : VU055451.D
 Acq On : 21 Sep 2023 17:24
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 22 02:36:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 22 02:32:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	283739	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	289297	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	160936	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	101788	3.549	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.000%
7) Chloroethane-d5	1.911	69	101958	4.034	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.600%
11) 1,1-Dichloroethene-d2	2.563	65	46243	3.918	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.400%
20) 2-Butanone-d5	4.628	46	266218	51.396	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.800%
24) Chloroform-d	5.059	84	251064	4.840	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.698	65	127217	5.099	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
32) Benzene-d6	5.724	84	472099	4.665	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	6.685	67	145737	4.820	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.894	98	429490	4.657	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
43) trans-1,3-Dichloroprop...	8.177	79	54242	5.112	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.200%
46) 2-Hexanone-d5	8.631	63	163713	50.728	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.460%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	115783	5.110	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	156799	4.827	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	118392	4.286	ug/L	99
3) Chloromethane	1.515	50	108972	4.484	ug/L	98
5) Vinyl chloride	1.602	62	119718	4.566	ug/L	98
6) Bromomethane	1.856	94	81711	4.907	ug/L	100
8) Chloroethane	1.930	64	80109	4.683	ug/L	98
9) Trichlorofluoromethane	2.133	101	169618	4.665	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	103761	4.690	ug/L	98
12) 1,1-Dichloroethene	2.576	96	94842	4.781	ug/L	91
13) Acetone	2.641	43	132264	44.795	ug/L	100
14) Carbon disulfide	2.789	76	284006	4.762	ug/L	98
15) Methyl Acetate	2.953	43	33766	5.016	ug/L	96
16) Methylene chloride	3.039	84	105512	4.439	ug/L	100
17) Methyl tert-butyl Ether	3.358	73	211936	4.925	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	97705	4.886	ug/L	97
19) 1,1-Dichloroethane	3.866	63	185198	5.008	ug/L	96
21) 2-Butanone	4.708	43	207892	48.006	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	109285	4.714	ug/L	97
23) Bromochloromethane	4.975	128	48122	4.911	ug/L	99
25) Chloroform	5.084	83	198873	5.079	ug/L	98

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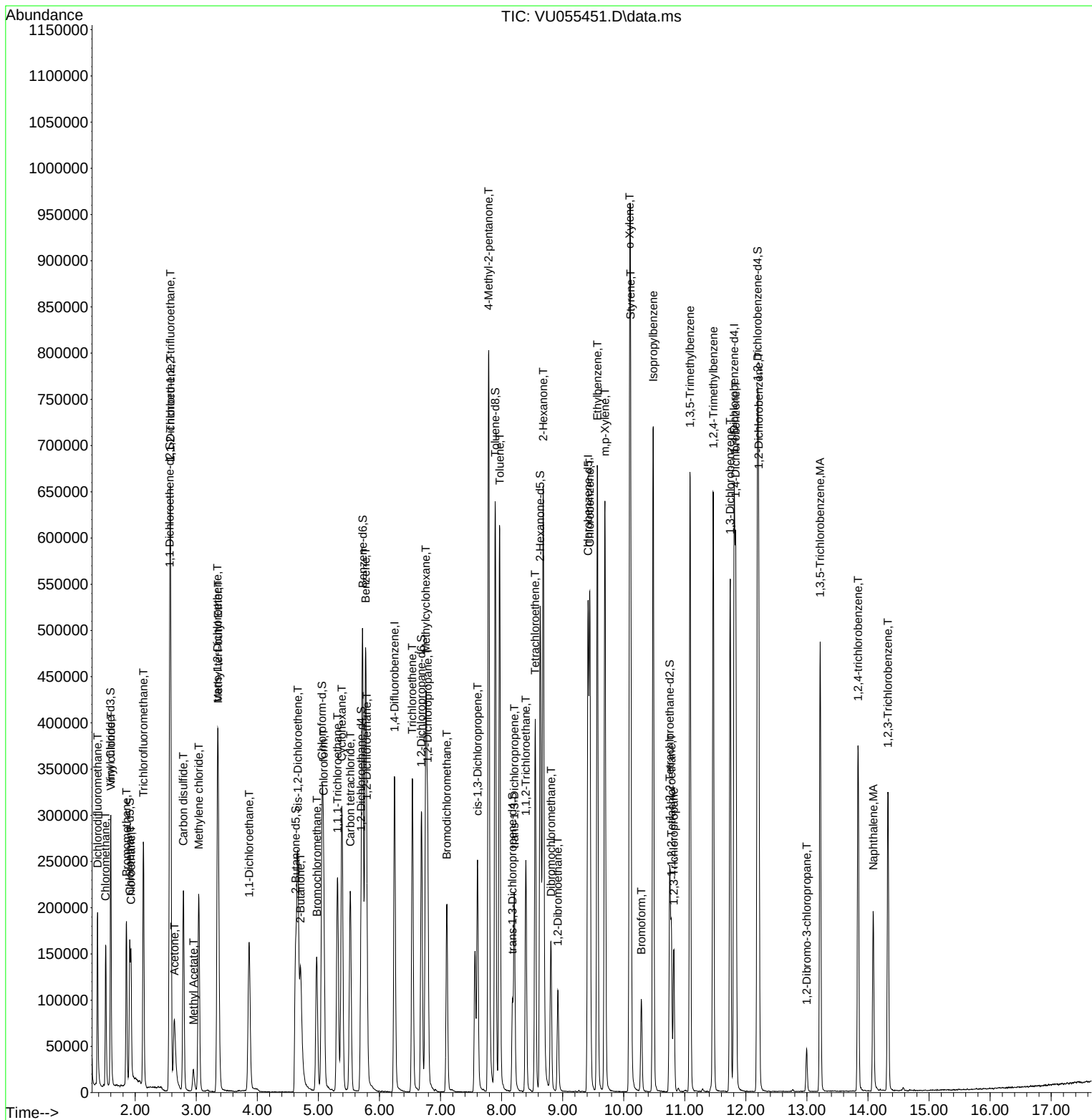
Instrument :
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 ClientSampleId :

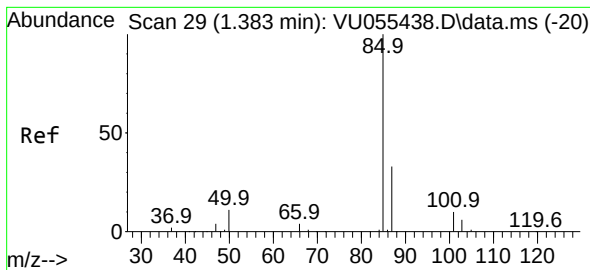
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	122101	5.085	ug/L	97
29) 1,1,1-Trichloroethane	5.313	97	169709	5.146	ug/L	97
30) Cyclohexane	5.383	56	144459	4.785	ug/L	97
31) Carbon tetrachloride	5.522	117	147310	5.211	ug/L	96
33) Benzene	5.772	78	422234	5.071	ug/L	100
34) Trichloroethene	6.538	95	117836	5.003	ug/L	96
35) Methylcyclohexane	6.759	83	162498	4.789	ug/L	99
37) 1,2-Dichloropropane	6.788	63	106917	4.910	ug/L	100
38) Bromodichloromethane	7.103	83	131903	5.169	ug/L	94
39) cis-1,3-Dichloropropene	7.605	75	152991	5.264	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	500518	50.670	ug/L	99
42) Toluene	7.968	91	460022	5.180	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	122642	5.274	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	78157	5.119	ug/L	99
47) Tetrachloroethene	8.550	164	86126	5.098	ug/L	97
48) 2-Hexanone	8.682	43	407199	53.189	ug/L	99
49) Dibromochloromethane	8.808	129	84245	5.264	ug/L	94
50) 1,2-Dibromoethane	8.920	107	72779	5.136	ug/L	98
51) Chlorobenzene	9.444	112	285226	5.014	ug/L	100
52) Ethylbenzene	9.566	91	478678	5.027	ug/L	97
53) m,p-Xylene	9.692	106	186711	5.233	ug/L	99
54) o-Xylene	10.097	106	177882	5.128	ug/L	99
55) Styrene	10.113	104	299364	5.337	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.779	83	85691	4.971	ug/L	99
59) Bromoform	10.287	173	44913	5.207	ug/L	99
60) Isopropylbenzene	10.483	105	474440	5.115	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	63030	5.017	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	374440	5.048	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	365379	5.032	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	221037	4.978	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	218071	4.913	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	208265	5.115	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	12216	5.610	ug/L	86
69) 1,3,5-Trichlorobenzene	13.216	180	146104	4.778	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	113468	4.867	ug/L	98
71) Naphthalene	14.087	128	164382	4.870	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	99239	4.892	ug/L	99

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

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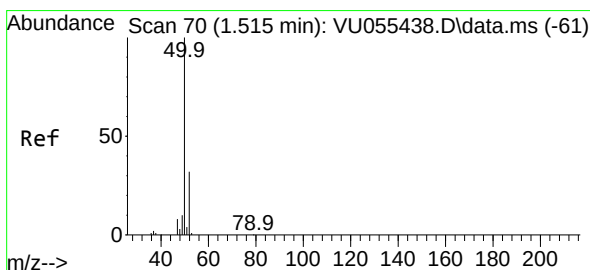
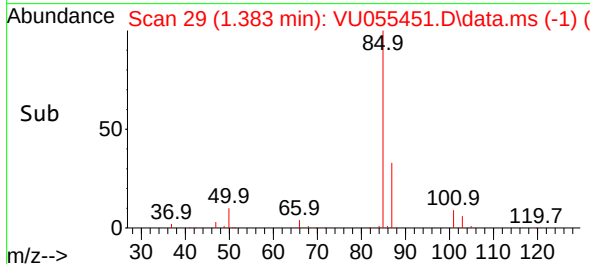
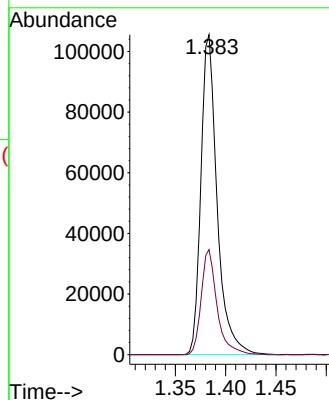
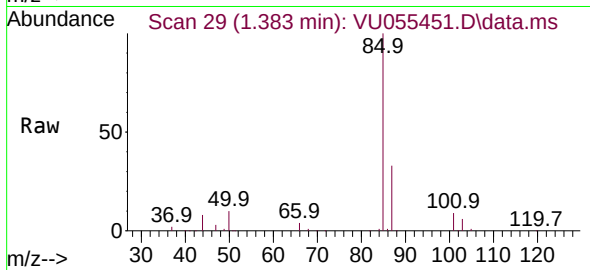




#2
 Dichlorodifluoromethane
 Concen: 4.286 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055451.D
 Acq: 21 Sep 2023 17:24

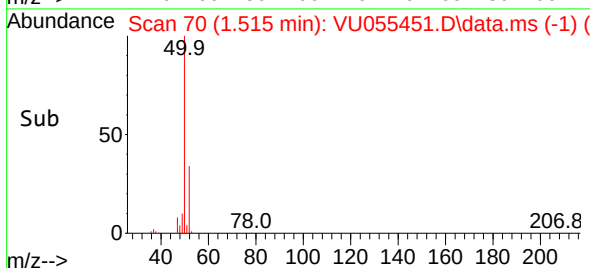
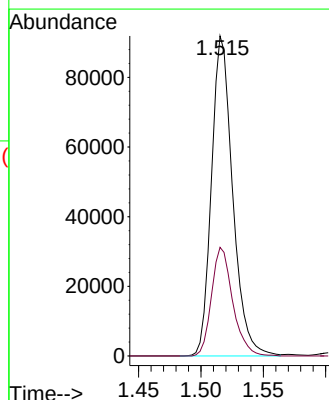
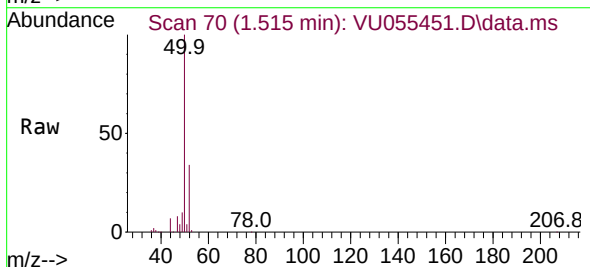
Instrument :
 MSVOA_U
 ClientSampleId :

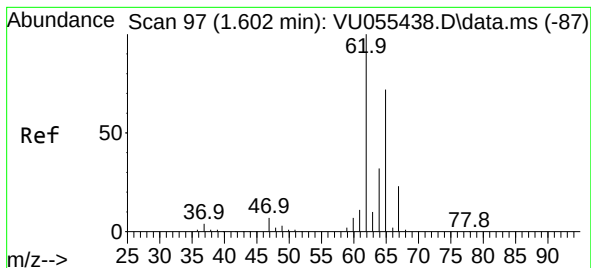
Tgt Ion: 85 Resp: 118392
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.0 39.0



#3
 Chloromethane
 Concen: 4.484 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU055451.D
 Acq: 21 Sep 2023 17:24

Tgt Ion: 50 Resp: 108972
 Ion Ratio Lower Upper
 50 100
 52 34.0 22.9 42.5





#5

Vinyl chloride

Concen: 4.566 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

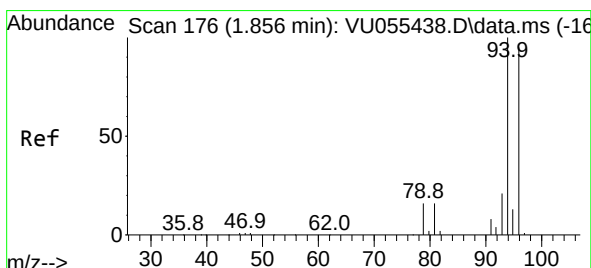
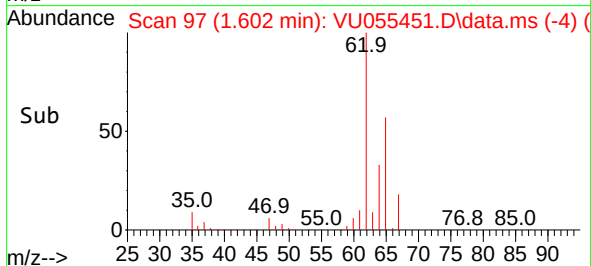
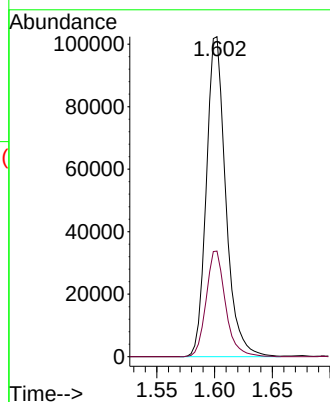
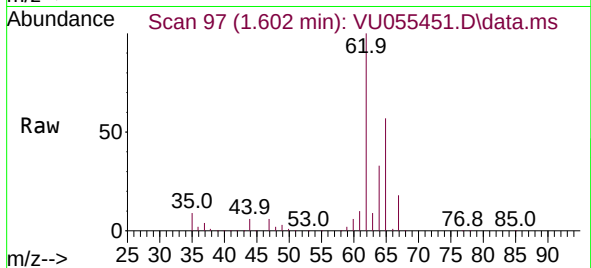
ClientSampleId :

Tgt Ion: 62 Resp: 119718

Ion Ratio Lower Upper

62 100

64 33.0 22.3 41.5



#6

Bromomethane

Concen: 4.907 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU055451.D

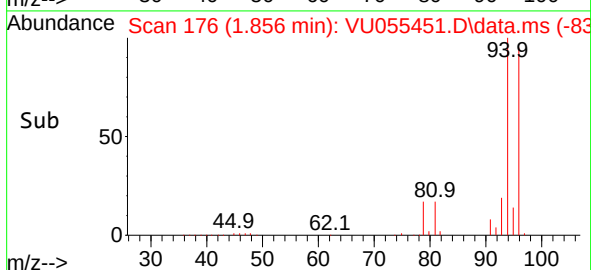
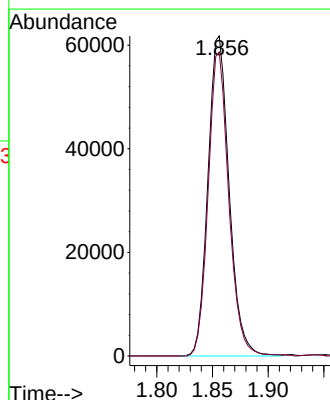
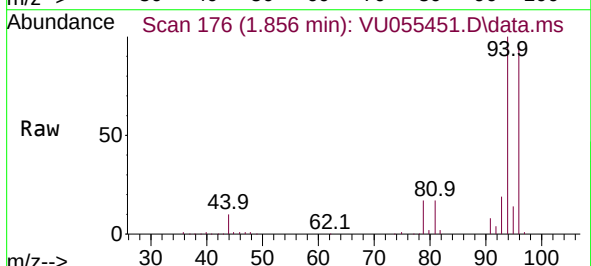
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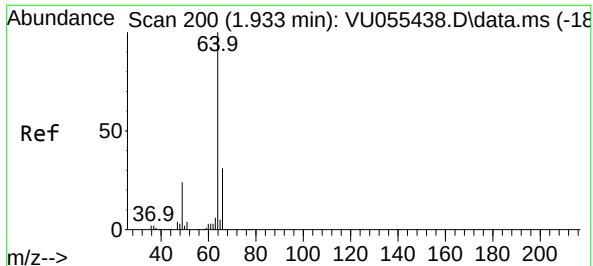
Tgt Ion: 94 Resp: 81711

Ion Ratio Lower Upper

94 100

96 95.0 66.4 123.2

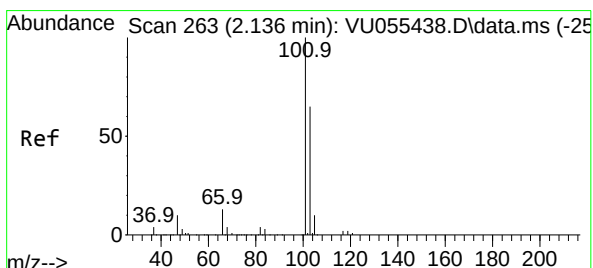
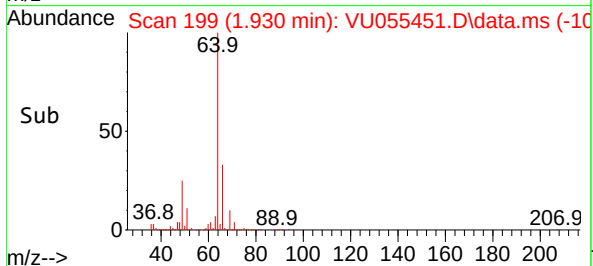
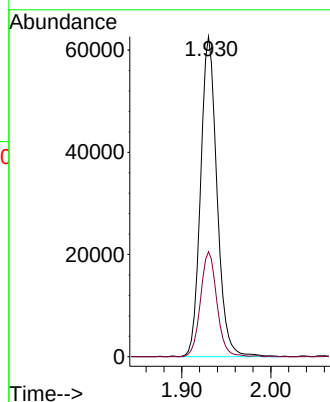
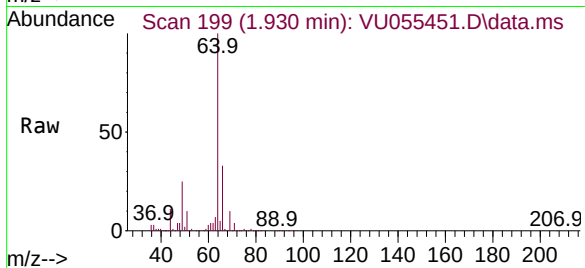




#8
Chloroethane
Concen: 4.683 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

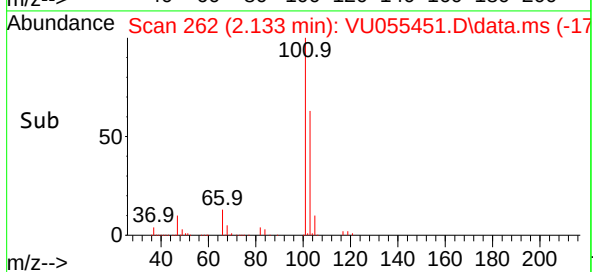
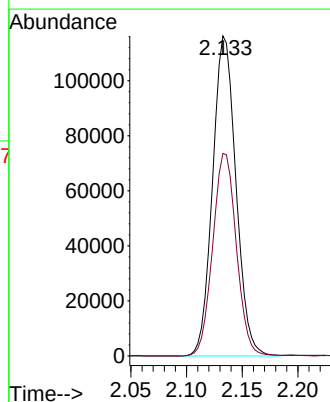
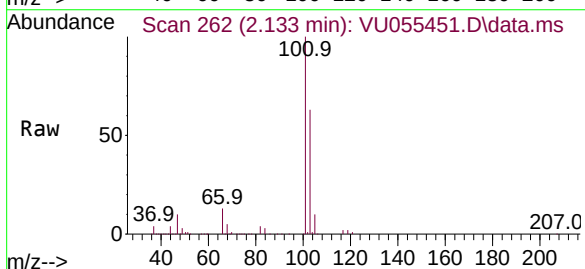
Instrument :
MSVOA_U
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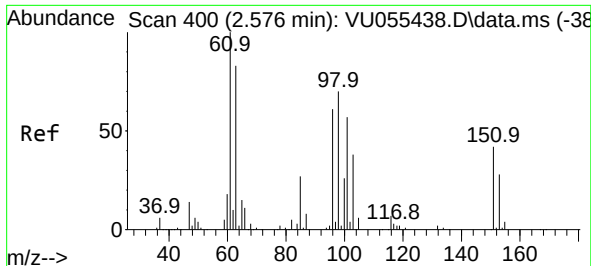
Tgt Ion: 64 Resp: 80109
Ion Ratio Lower Upper
64 100
66 32.8 23.7 44.1



#9
Trichlorofluoromethane
Concen: 4.665 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Tgt Ion:101 Resp: 169618
Ion Ratio Lower Upper
101 100
103 64.2 52.0 78.0

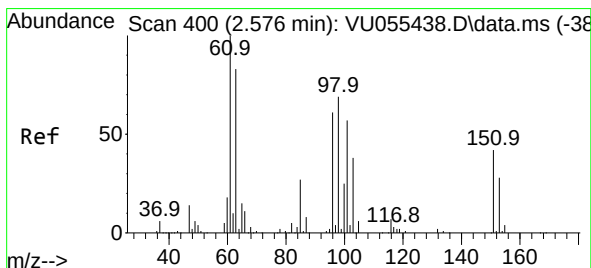
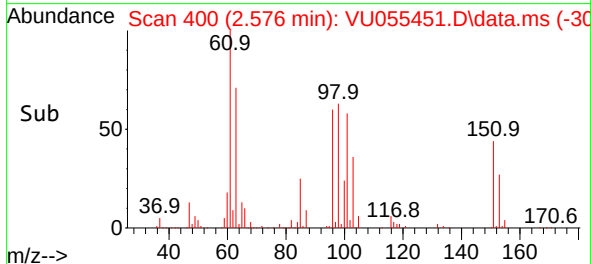
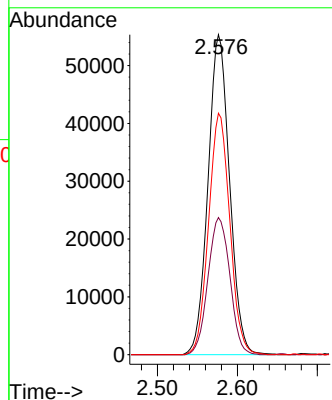
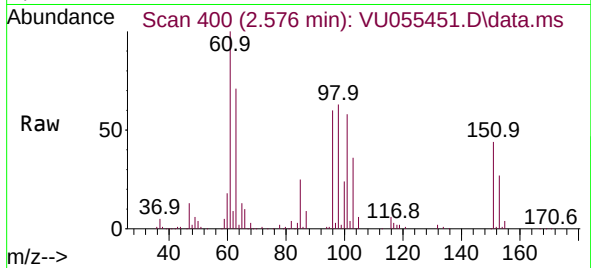




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.690 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055451.D
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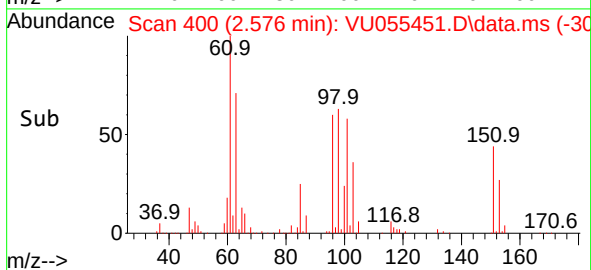
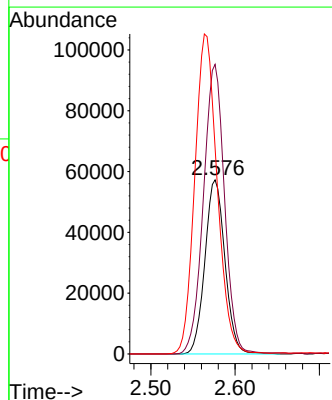
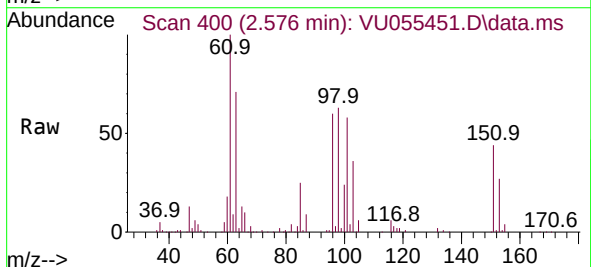
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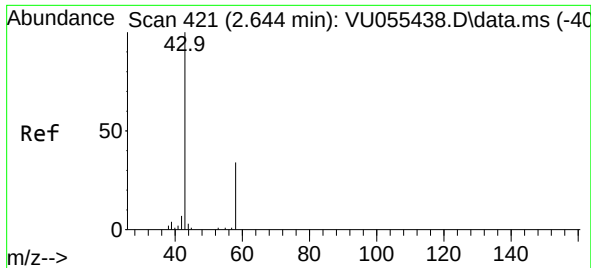
Tgt Ion:101 Resp: 103761
 Ion Ratio Lower Upper
 101 100
 85 43.5 35.8 53.6
 151 74.3 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 4.781 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055451.D
 Acq: 21 Sep 2023 17:24

Tgt Ion: 96 Resp: 94842
 Ion Ratio Lower Upper
 96 100
 61 166.3 114.5 212.7
 63 118.5 98.3 182.5





#13

Acetone

Concen: 44.795 ug/L

RT: 2.641 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

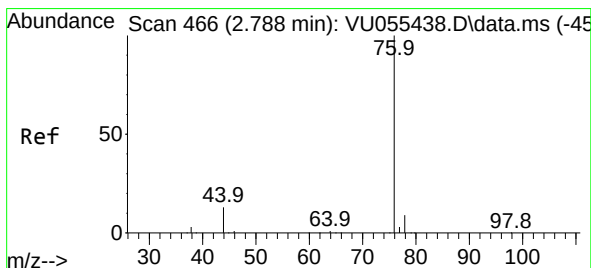
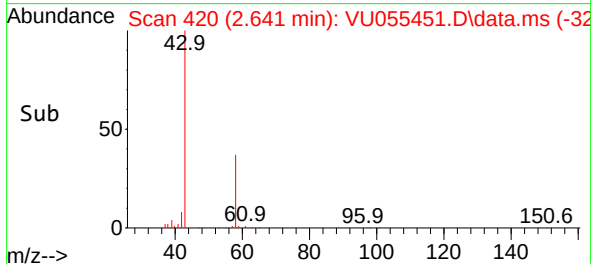
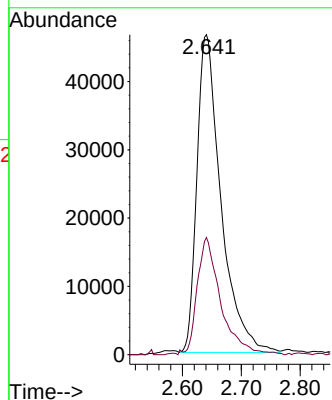
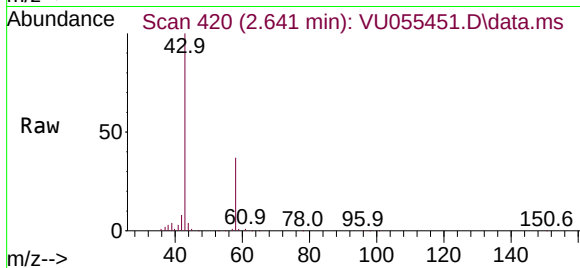
ClientSampleId :

Tgt Ion: 43 Resp: 132264

Ion Ratio Lower Upper

43 100

58 35.9 0.0 72.2



#14

Carbon disulfide

Concen: 4.762 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU055451.D

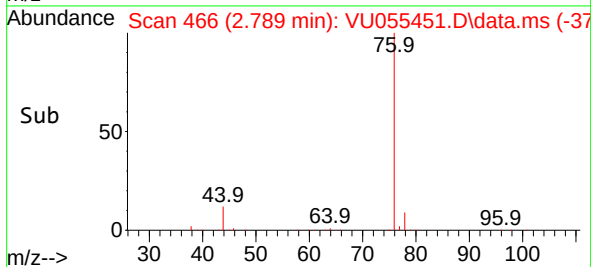
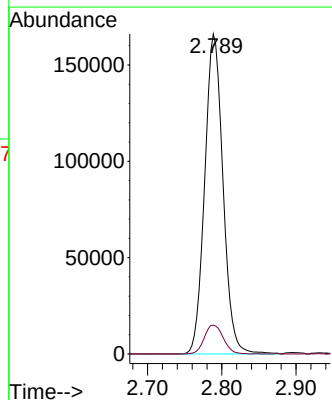
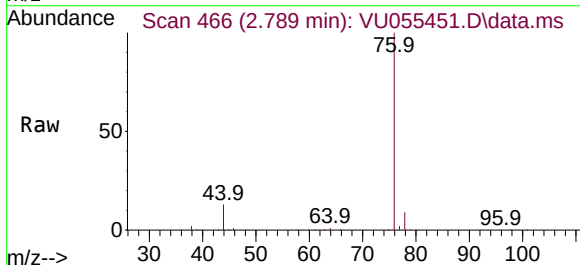
Acq: 21 Sep 2023 17:24

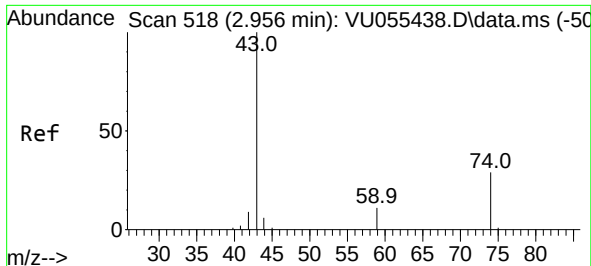
Tgt Ion: 76 Resp: 284006

Ion Ratio Lower Upper

76 100

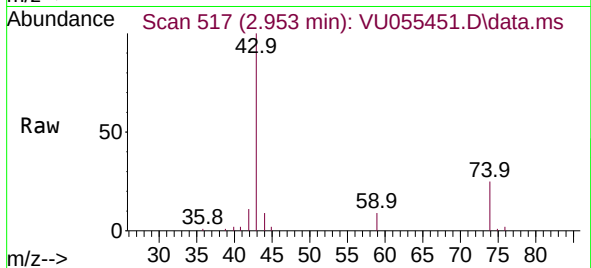
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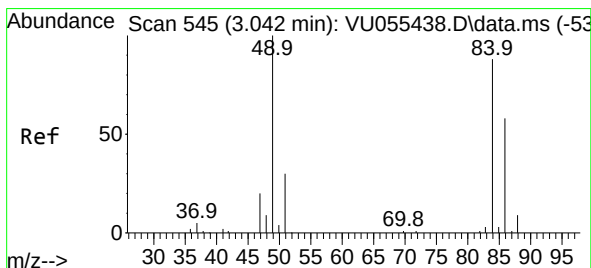
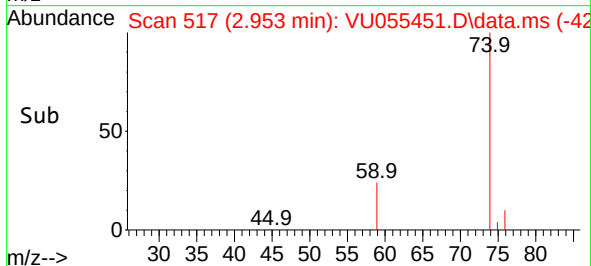
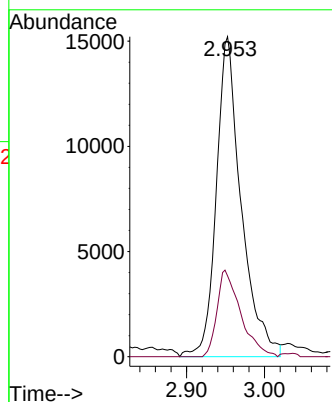


#15
Methyl Acetate
Concen: 5.016 ug/L
RT: 2.953 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Instrument :
MSVOA_U
ClientSampleId :

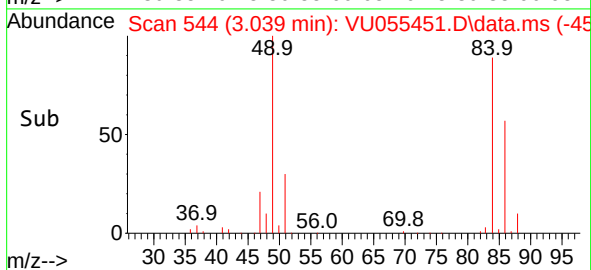
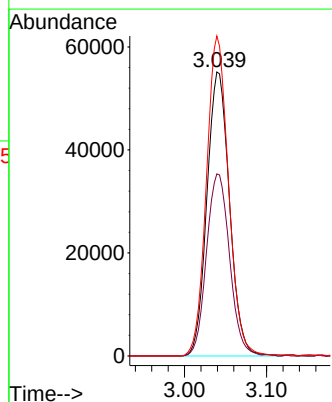
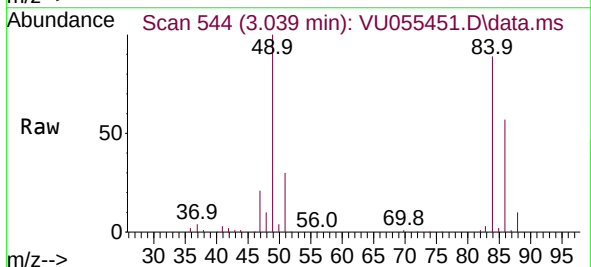


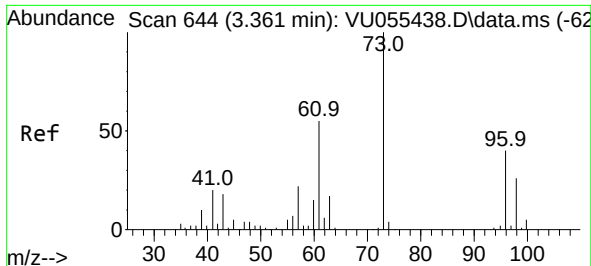
Tgt Ion: 43 Resp: 33766
Ion Ratio Lower Upper
43 100
74 25.7 22.3 33.5



#16
Methylene chloride
Concen: 4.439 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

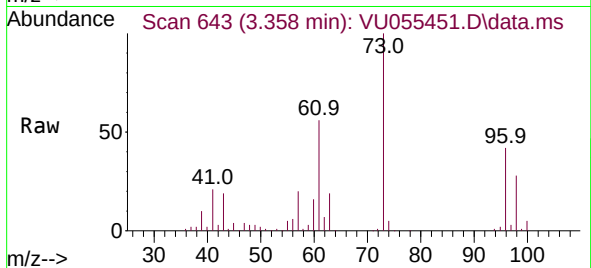
Tgt Ion: 84 Resp: 105512
Ion Ratio Lower Upper
84 100
86 64.1 44.9 83.3
49 112.7 78.8 146.3



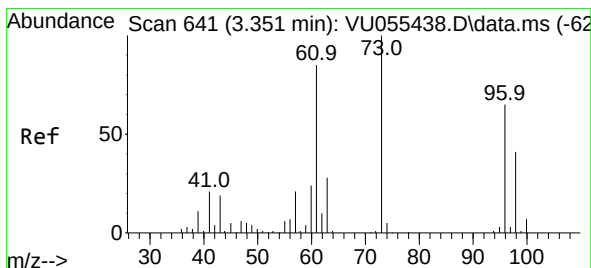
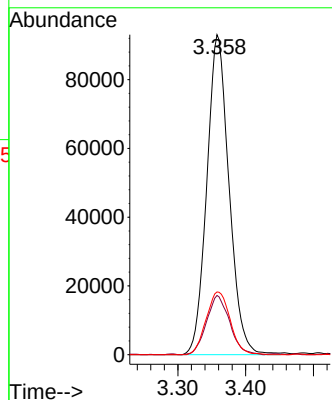
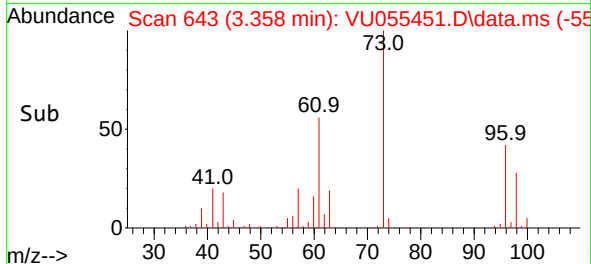


#17
Methyl tert-butyl Ether
Concen: 4.925 ug/L
RT: 3.358 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

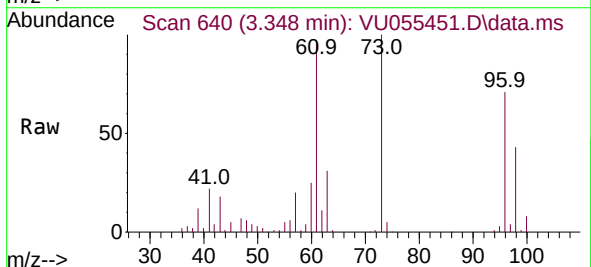
Instrument :
MSVOA_U
ClientSampleId :



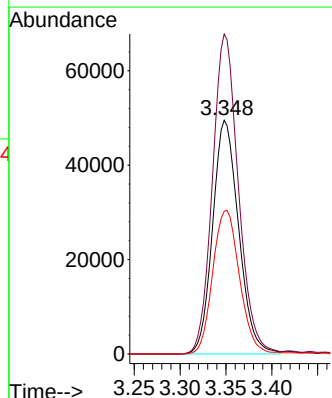
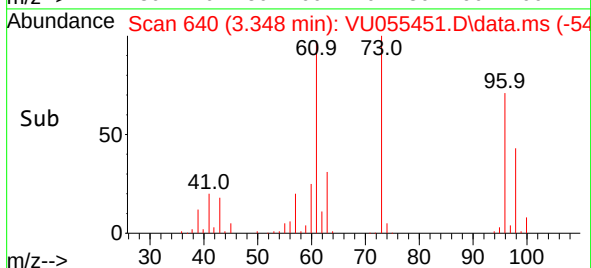
Tgt Ion: 73 Resp: 211936
Ion Ratio Lower Upper
73 100
43 19.3 14.9 22.3
57 21.2 17.3 25.9

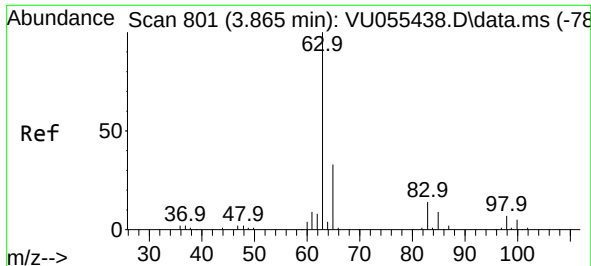


#18
trans-1,2-Dichloroethene
Concen: 4.886 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24



Tgt Ion: 96 Resp: 97705
Ion Ratio Lower Upper
96 100
61 136.8 94.6 175.6
98 61.0 45.7 84.9





#19

1,1-Dichloroethane

Concen: 5.008 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

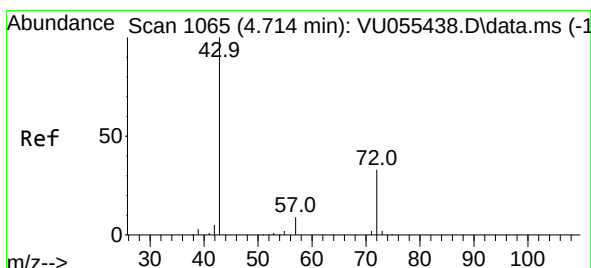
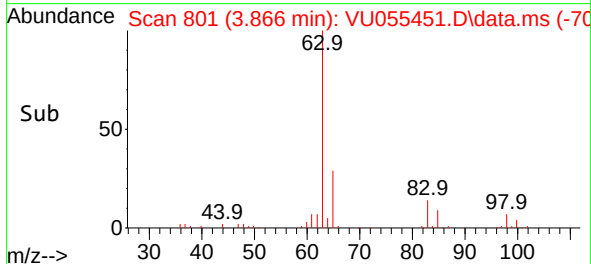
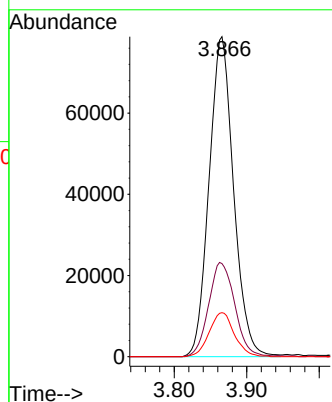
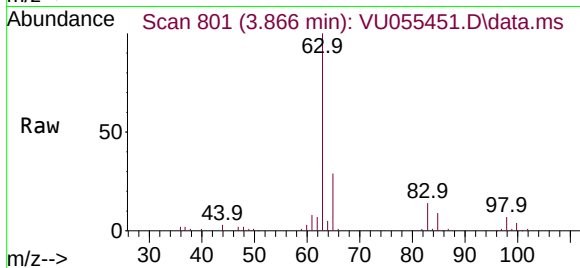
Tgt Ion: 63 Resp: 185198

Ion Ratio Lower Upper

63 100

65 29.1 22.0 41.0

83 13.8 10.1 18.9



#21

2-Butanone

Concen: 48.006 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. -0.006 min

Lab File: VU055451.D

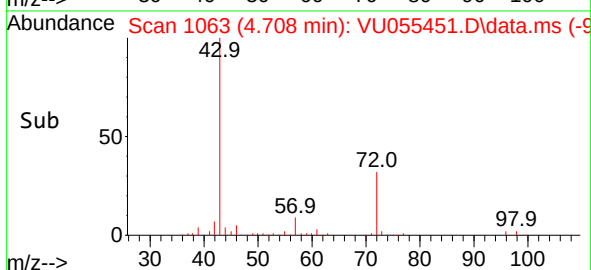
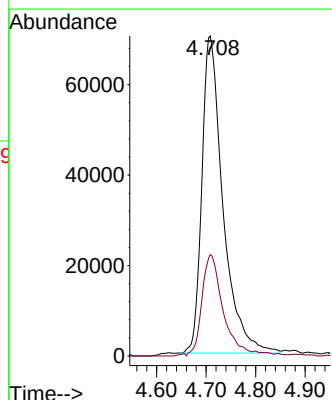
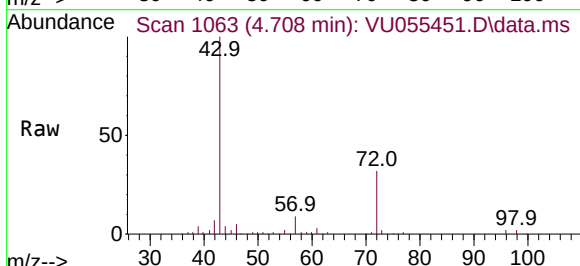
Acq: 21 Sep 2023 17:24

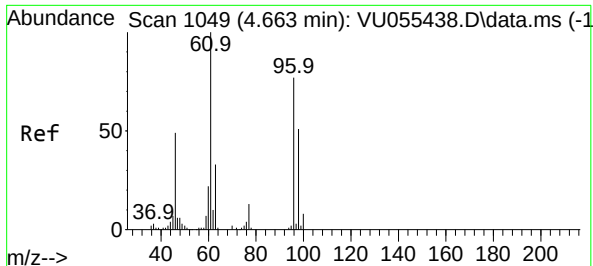
Tgt Ion: 43 Resp: 207892

Ion Ratio Lower Upper

43 100

72 31.4 15.1 45.3





#22

cis-1,2-Dichloroethene

Concen: 4.714 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

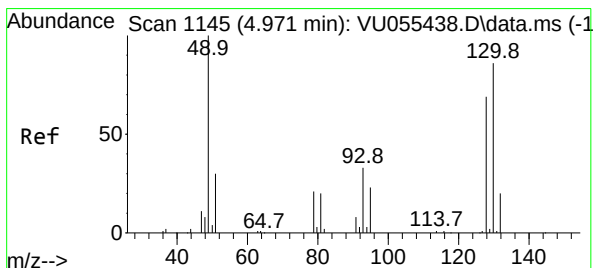
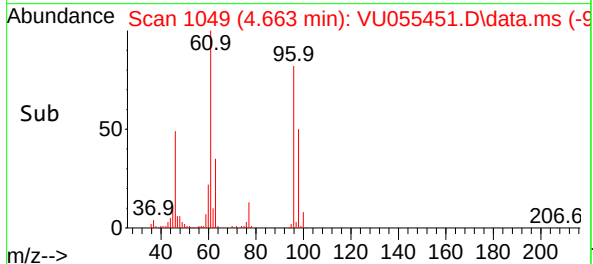
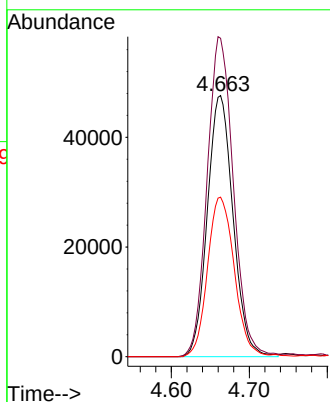
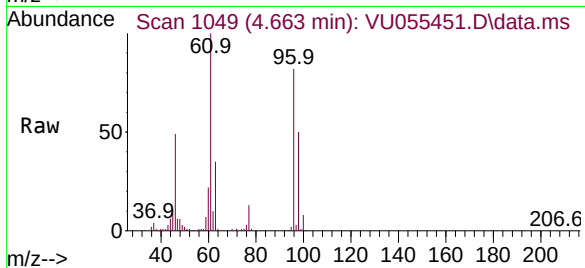
Tgt Ion: 96 Resp: 109285

Ion Ratio Lower Upper

96 100

61 121.9 87.8 163.2

98 61.1 44.4 82.4



#23

Bromochloromethane

Concen: 4.911 ug/L

RT: 4.975 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Tgt Ion:128 Resp: 48122

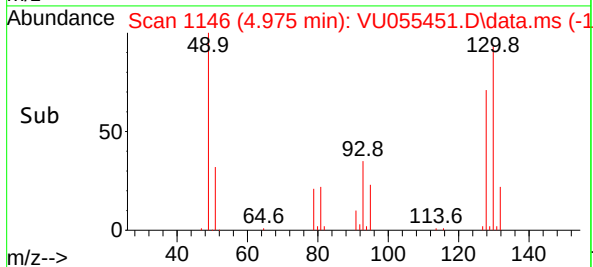
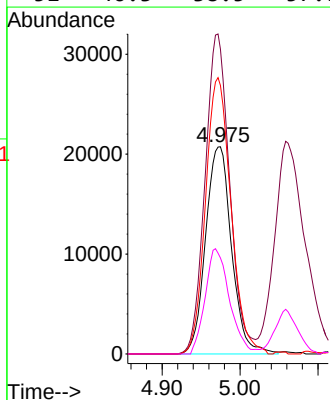
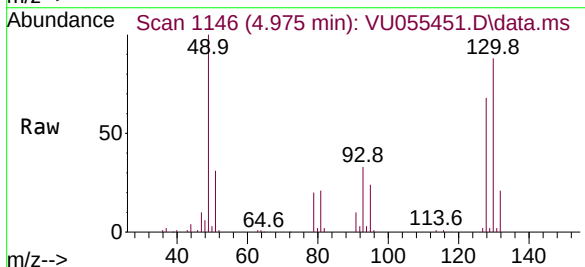
Ion Ratio Lower Upper

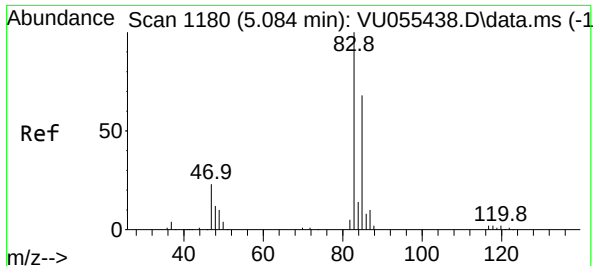
128 100

49 147.1 102.8 191.0

130 129.6 89.9 166.9

51 46.3 38.5 57.7





#25

Chloroform

Concen: 5.079 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

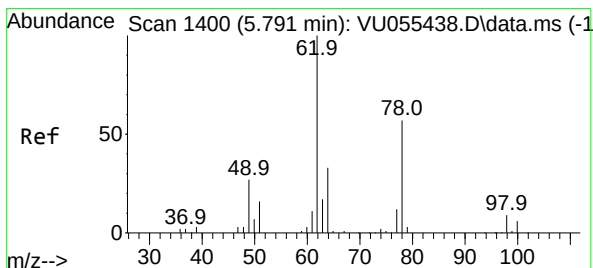
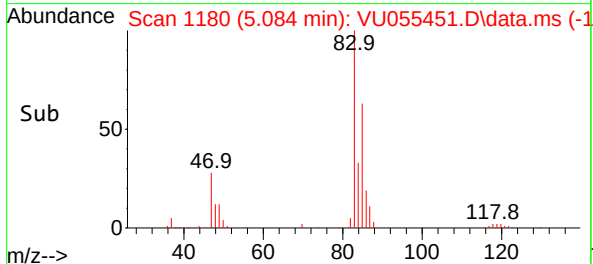
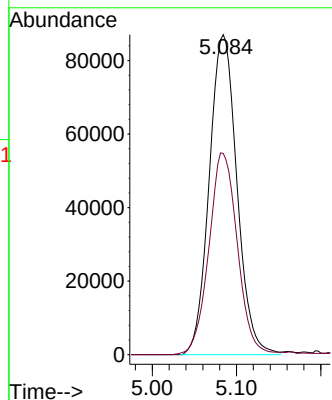
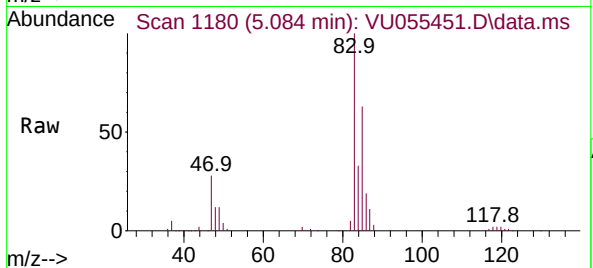
ClientSampleId :

Tgt Ion: 83 Resp: 198873

Ion Ratio Lower Upper

83 100

85 62.9 44.9 83.5



#27

1,2-Dichloroethane

Concen: 5.085 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU055451.D

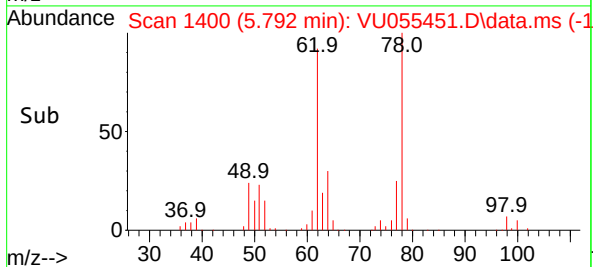
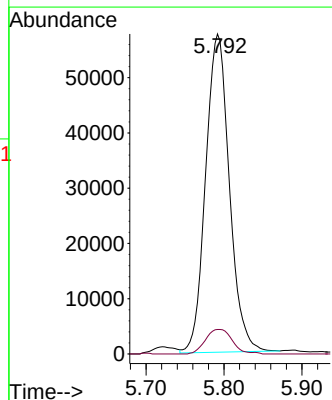
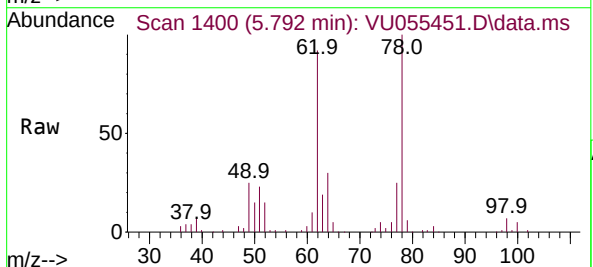
Acq: 21 Sep 2023 17:24

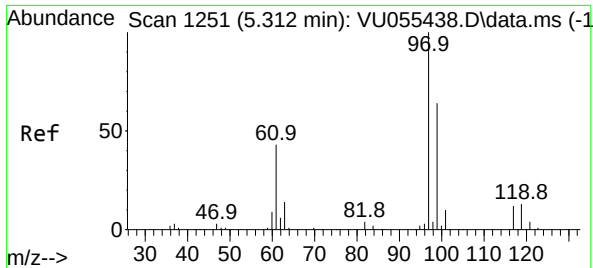
Tgt Ion: 62 Resp: 122101

Ion Ratio Lower Upper

62 100

98 7.7 7.0 10.4

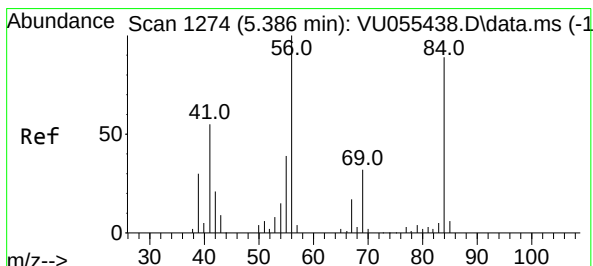
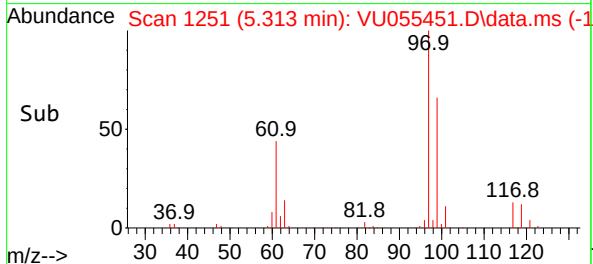
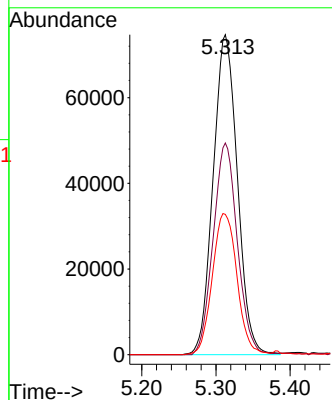
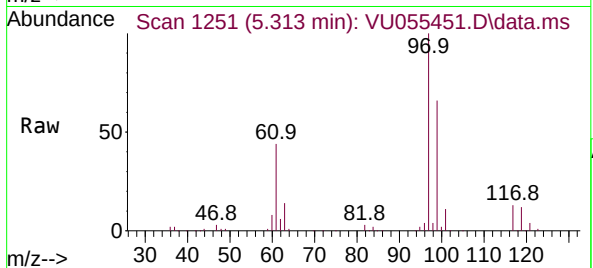




#29
1,1,1-Trichloroethane
Concen: 5.146 ug/L
RT: 5.313 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

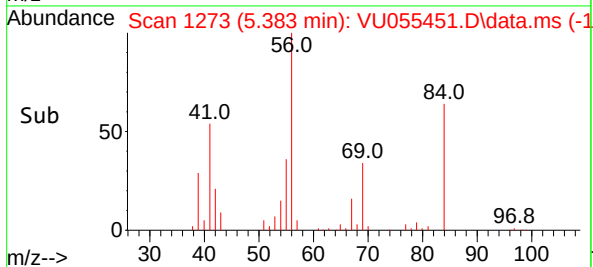
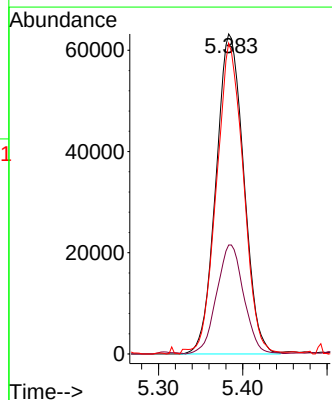
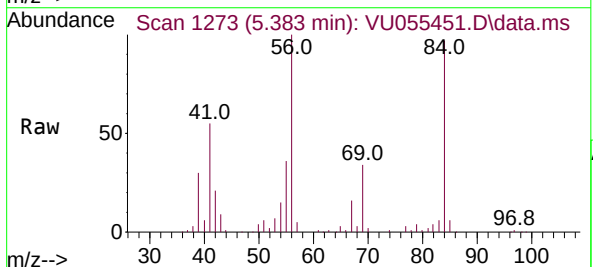
Instrument :
MSVOA_U
ClientSampleId :

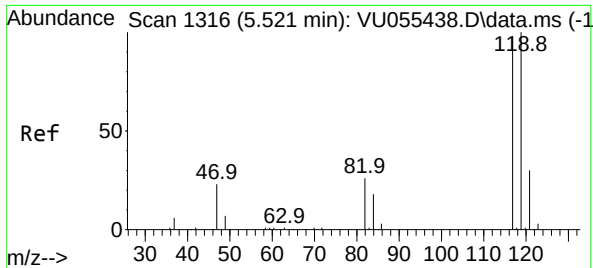
Tgt Ion: 97 Resp: 169709
Ion Ratio Lower Upper
97 100
99 65.8 50.7 76.1
61 44.9 34.6 51.8



#30
Cyclohexane
Concen: 4.785 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.003 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Tgt Ion: 56 Resp: 144459
Ion Ratio Lower Upper
56 100
69 33.4 26.5 39.7
84 94.7 72.6 108.8

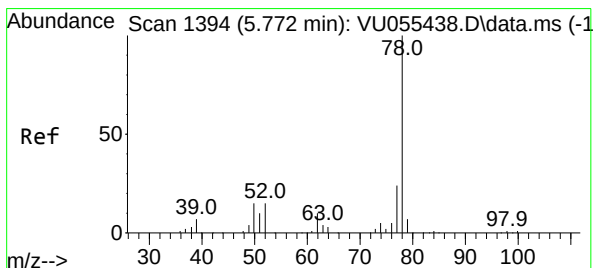
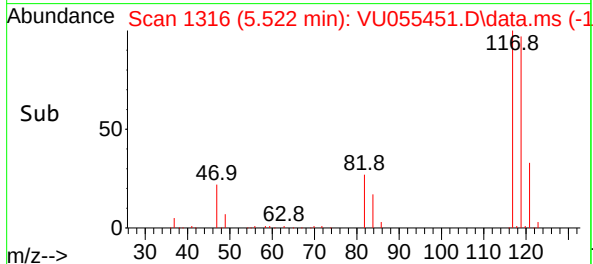
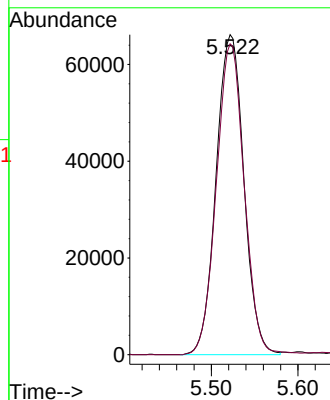
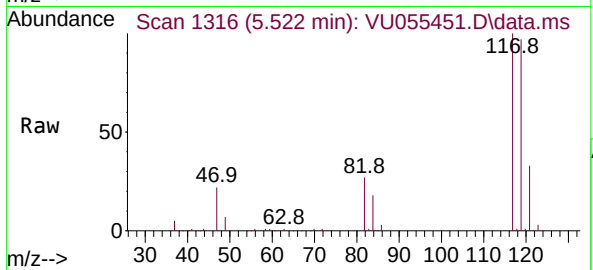




#31
Carbon tetrachloride
Concen: 5.211 ug/L
RT: 5.522 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

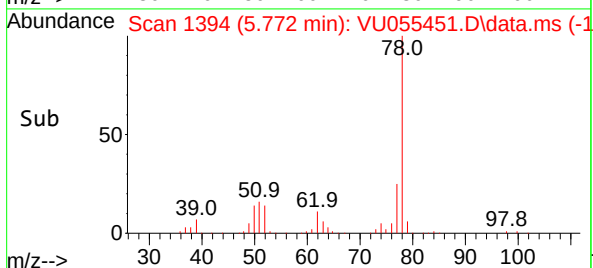
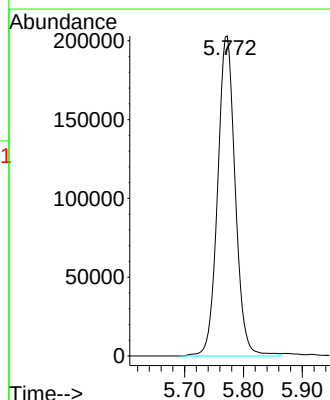
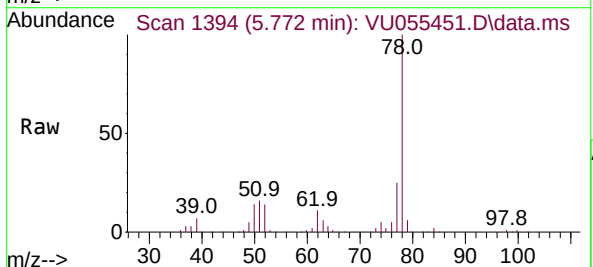
Instrument :
MSVOA_U
ClientSampleId :

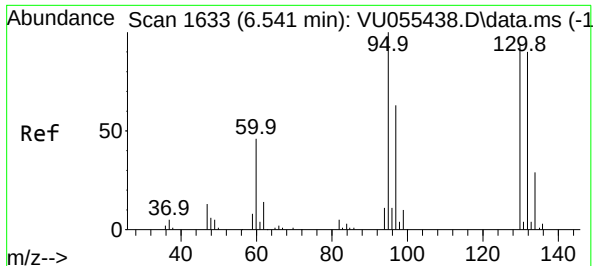
Tgt Ion:117 Resp: 147310
Ion Ratio Lower Upper
117 100
119 97.5 75.2 112.8



#33
Benzene
Concen: 5.071 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Tgt Ion: 78 Resp: 422234



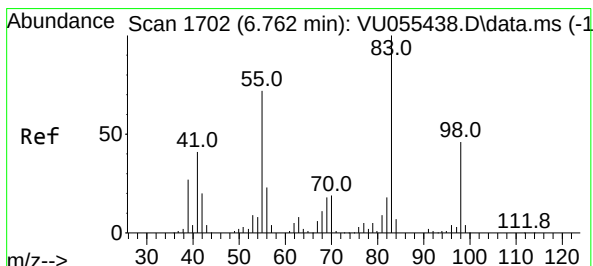
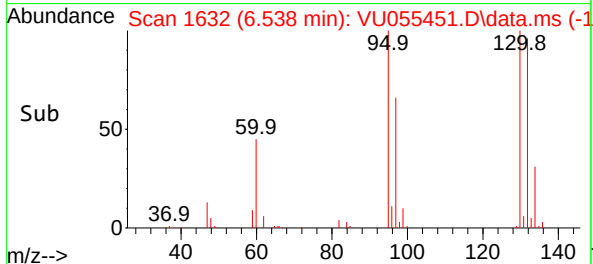
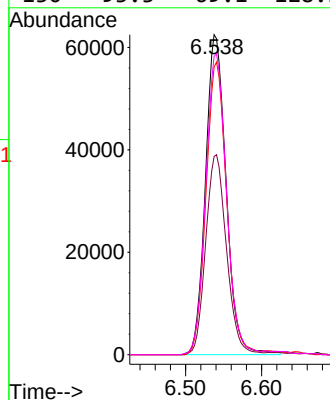
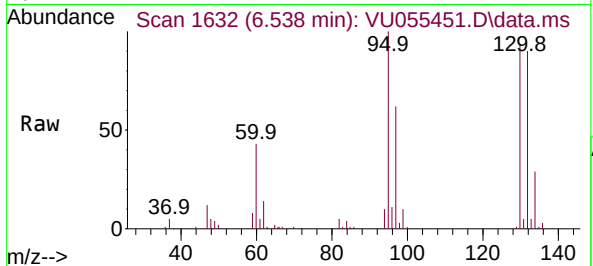


#34
Trichloroethene
Concen: 5.003 ug/L
RT: 6.538 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 117836

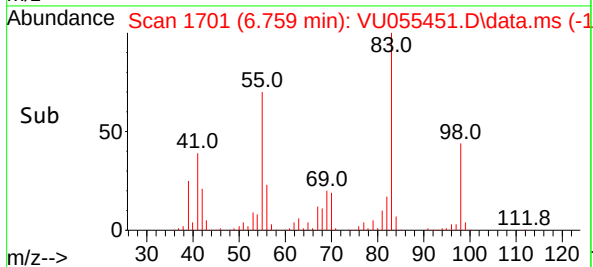
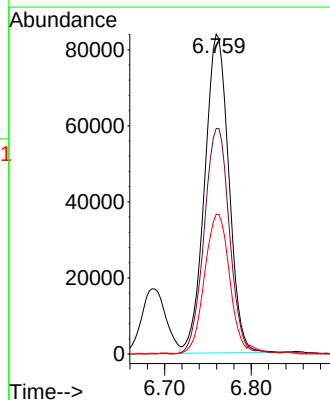
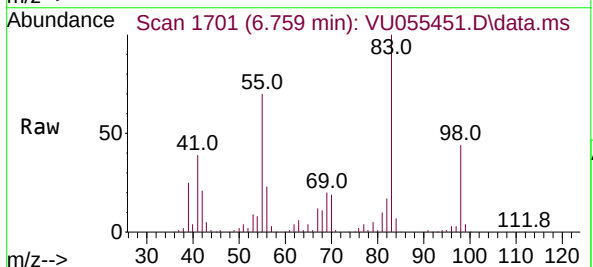
Ion	Ratio	Lower	Upper
95	100		
97	61.9	45.4	84.2
132	89.9	65.2	121.2
130	93.3	69.1	128.3

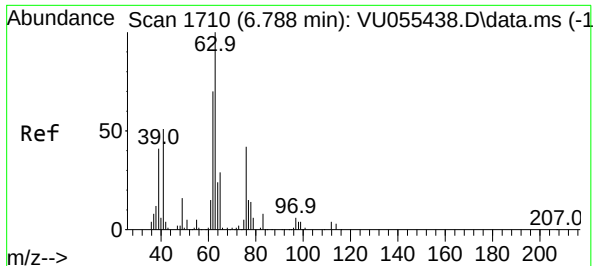


#35
Methylcyclohexane
Concen: 4.789 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Tgt Ion: 83 Resp: 162498

Ion	Ratio	Lower	Upper
83	100		
55	74.8	59.1	88.7
98	44.7	36.3	54.5





#37

1,2-Dichloropropane

Concen: 4.910 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

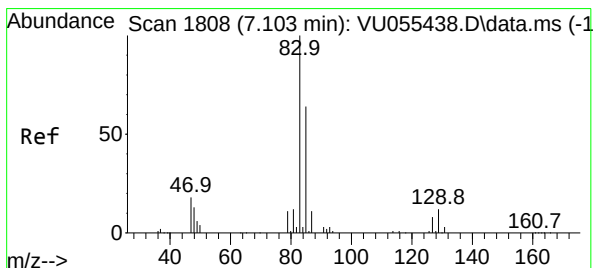
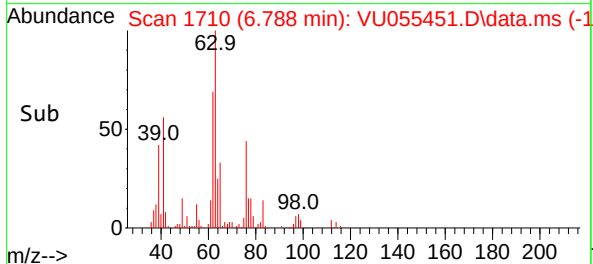
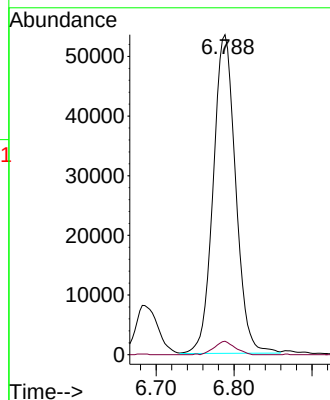
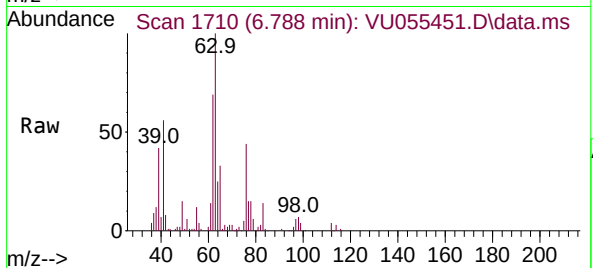
ClientSampleId :

Tgt Ion: 63 Resp: 106917

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



#38

Bromodichloromethane

Concen: 5.169 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

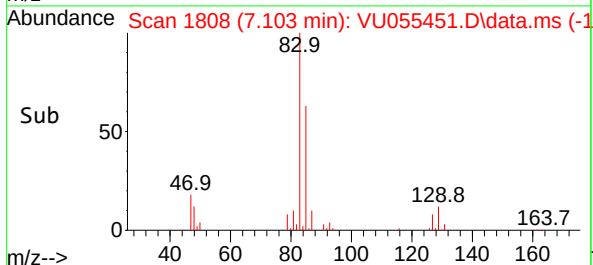
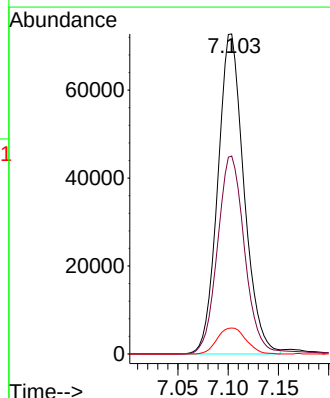
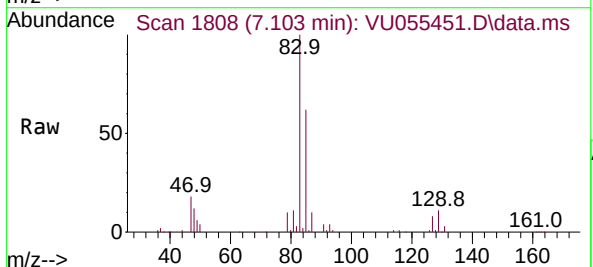
Tgt Ion: 83 Resp: 131903

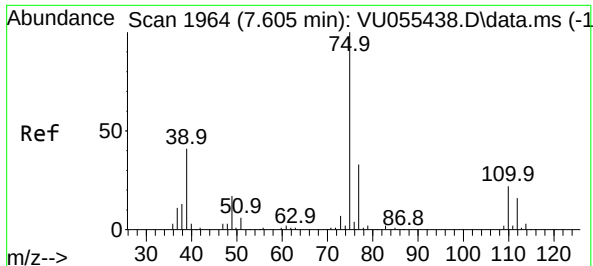
Ion Ratio Lower Upper

83 100

85 61.9 46.8 86.8

127 8.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.264 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

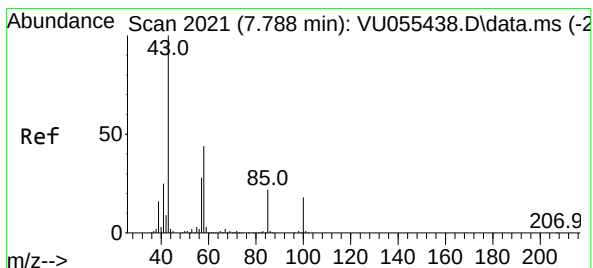
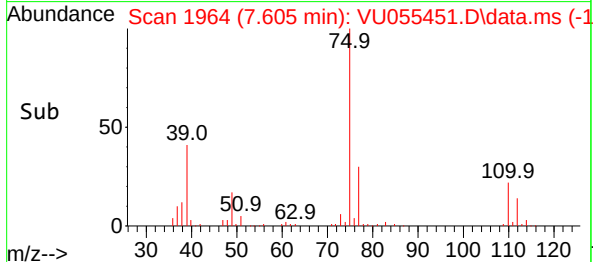
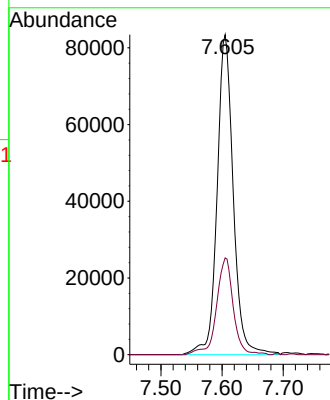
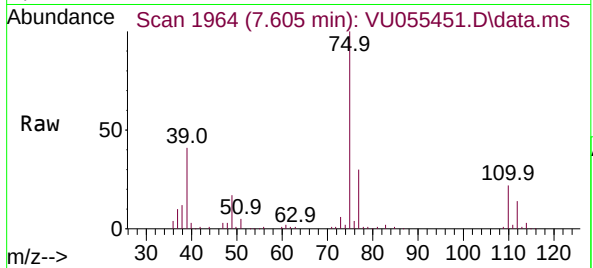
ClientSampleId :

Tgt Ion: 75 Resp: 152991

Ion Ratio Lower Upper

75 100

77 30.2 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 50.670 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

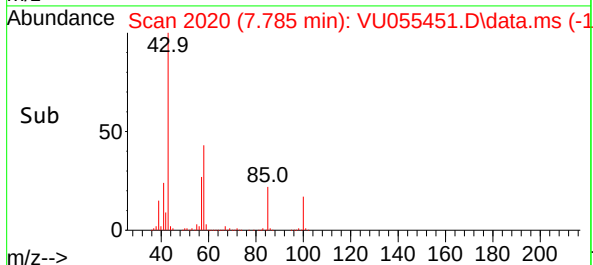
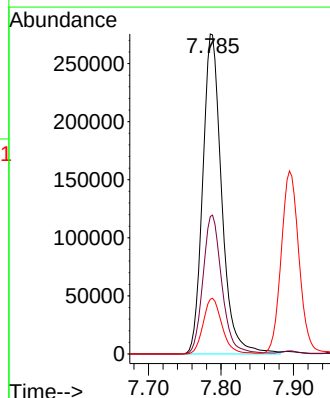
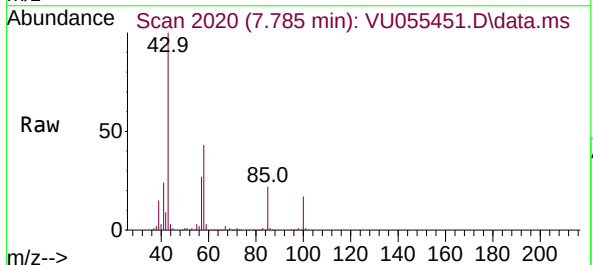
Tgt Ion: 43 Resp: 500518

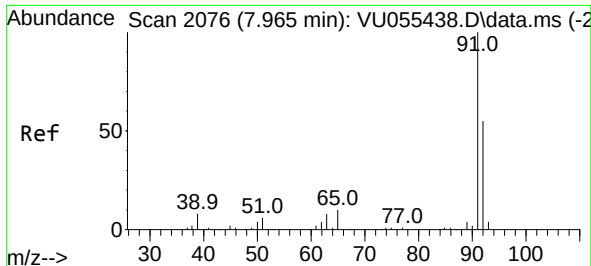
Ion Ratio Lower Upper

43 100

58 43.4 34.2 51.4

100 17.3 13.4 20.0





#42

Toluene

Concen: 5.180 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

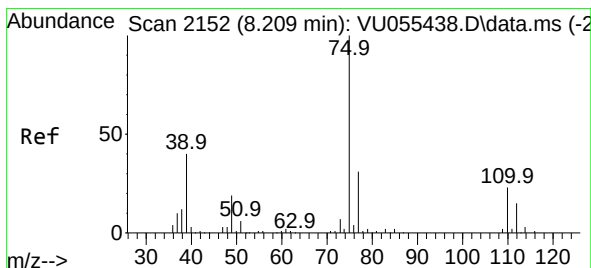
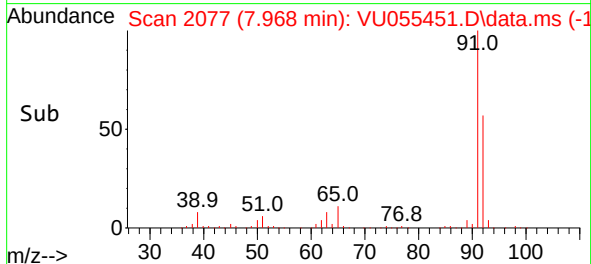
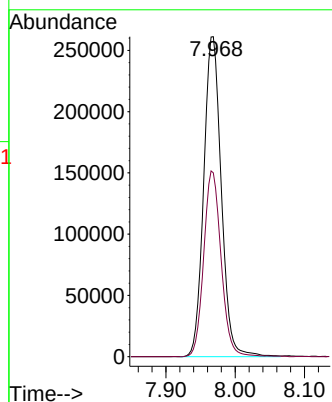
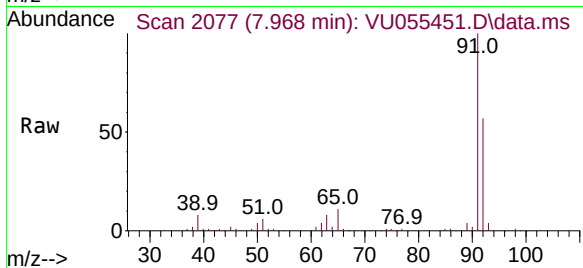
ClientSampleId :

Tgt Ion: 91 Resp: 460022

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.274 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.003 min

Lab File: VU055451.D

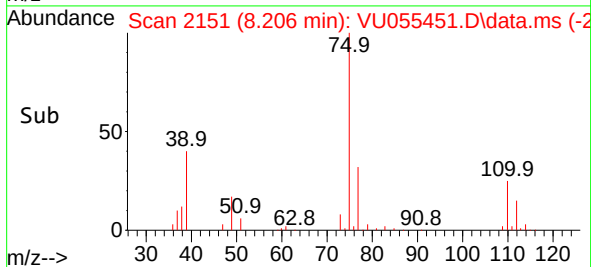
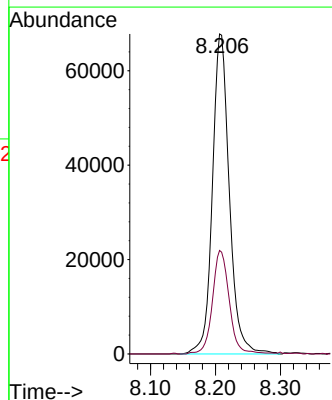
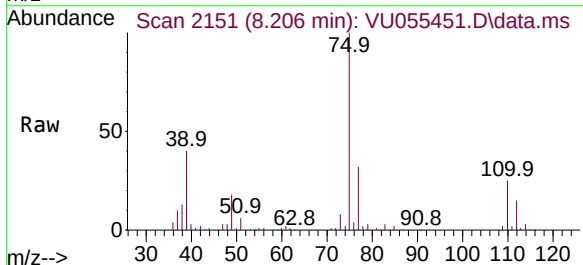
Acq: 21 Sep 2023 17:24

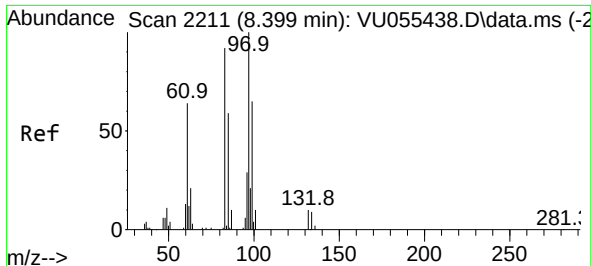
Tgt Ion: 75 Resp: 122642

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.4

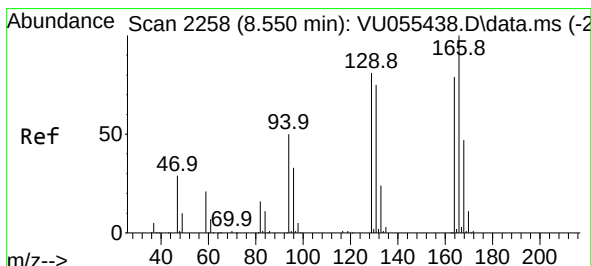
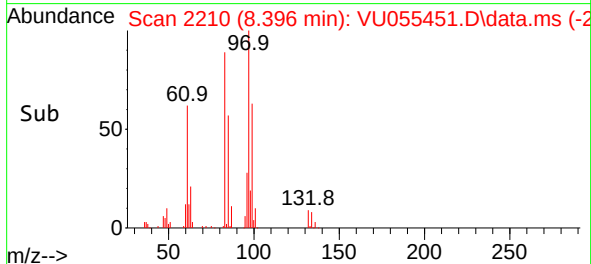
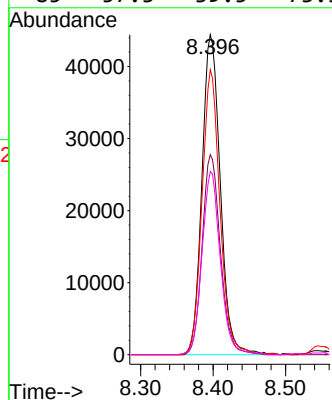
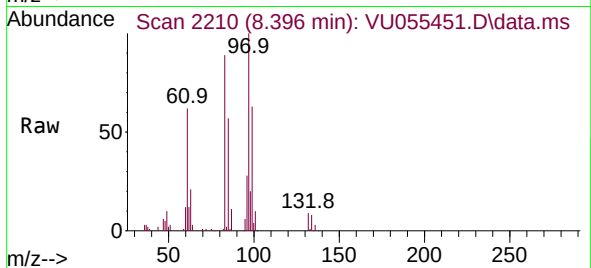




#45
1,1,2-Trichloroethane
Concen: 5.119 ug/L
RT: 8.396 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

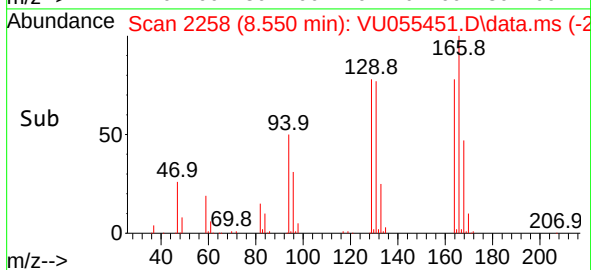
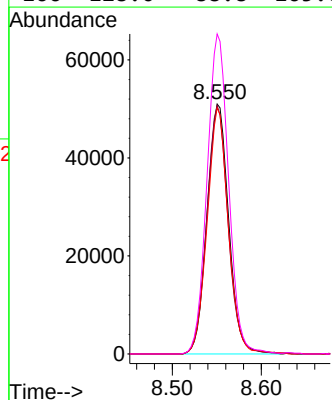
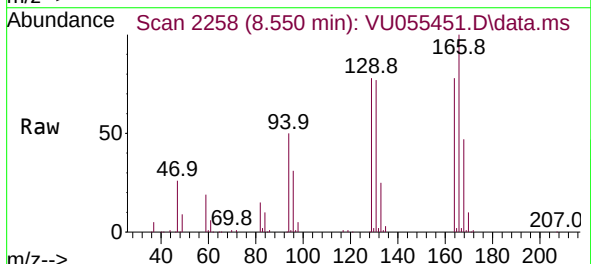
Instrument :
MSVOA_U
ClientSampleId :

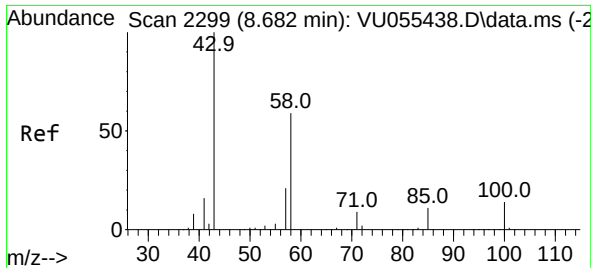
Tgt Ion:	97	Resp:	78157
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.1	81.9
83	89.0	61.5	114.1
85	57.3	39.5	73.3



#47
Tetrachloroethene
Concen: 5.098 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Tgt Ion:	164	Resp:	86126
Ion	Ratio	Lower	Upper
164	100		
129	99.5	67.4	125.2
131	98.5	66.4	123.2
166	128.0	88.8	165.0

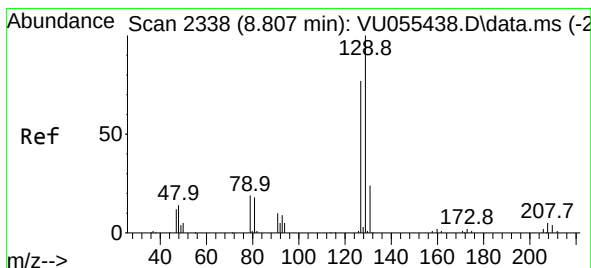
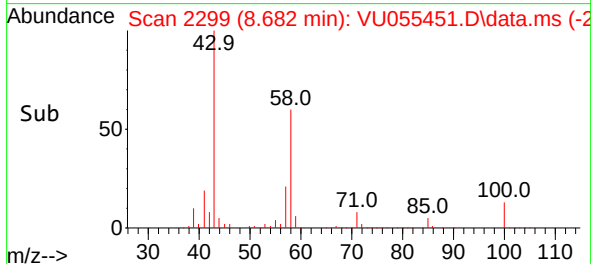
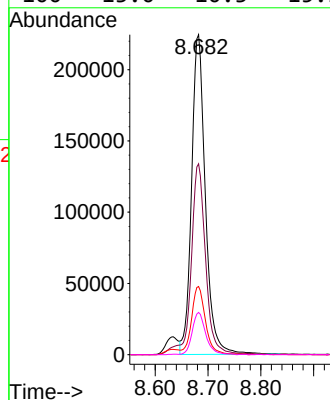
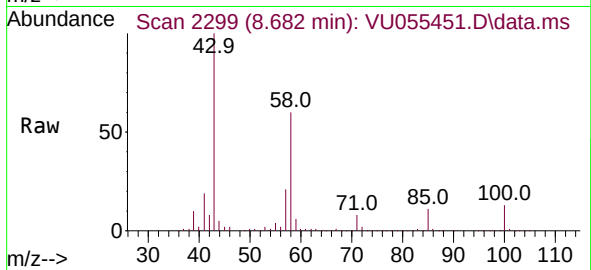




#48
2-Hexanone
Concen: 53.189 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

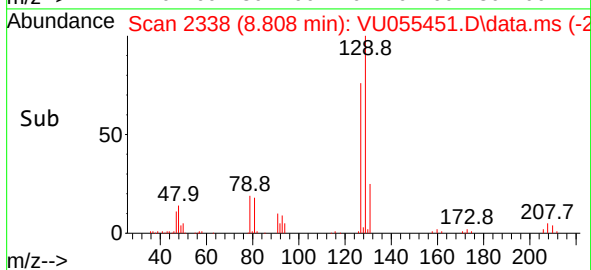
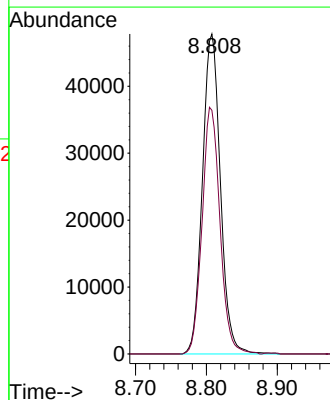
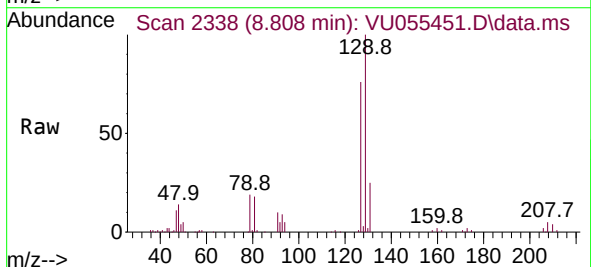
Instrument :
MSVOA_U
ClientSampleId :

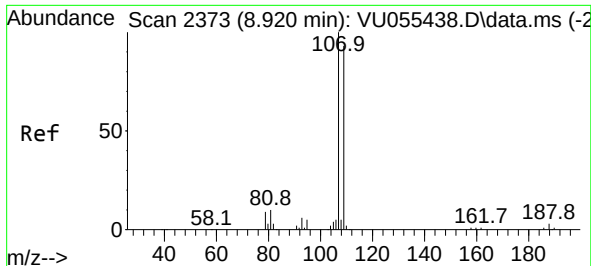
Tgt Ion: 43 Resp: 407199
Ion Ratio Lower Upper
43 100
58 62.1 48.5 72.7
57 21.2 17.0 25.4
100 13.0 10.3 15.5



#49
Dibromochloromethane
Concen: 5.264 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Tgt Ion: 129 Resp: 84245
Ion Ratio Lower Upper
129 100
127 76.2 56.8 105.6





#50

1,2-Dibromoethane

Concen: 5.136 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

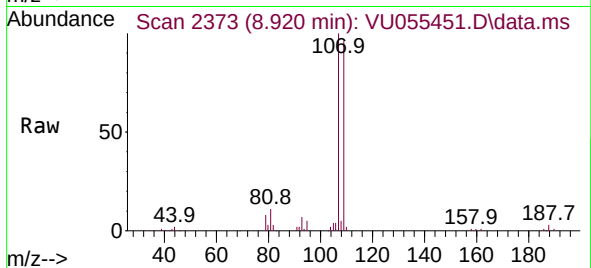
Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :



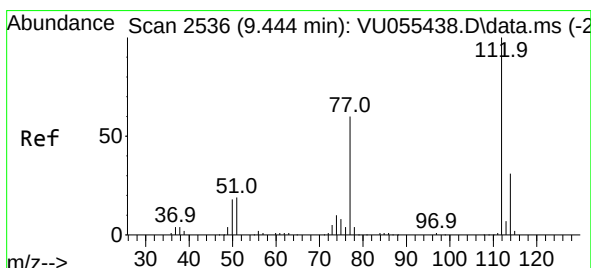
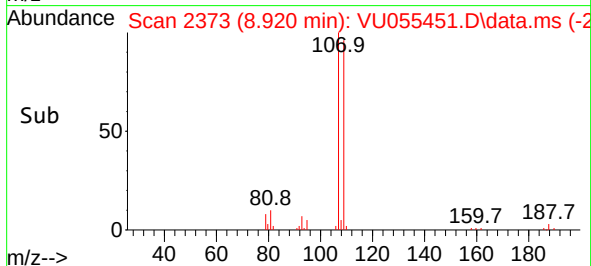
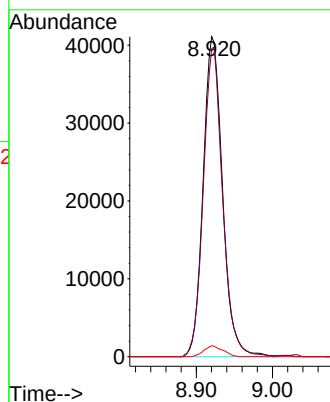
Tgt Ion:107 Resp: 72779

Ion Ratio Lower Upper

107 100

109 96.4 66.1 122.8

188 3.4 3.2 4.8



#51

Chlorobenzene

Concen: 5.014 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

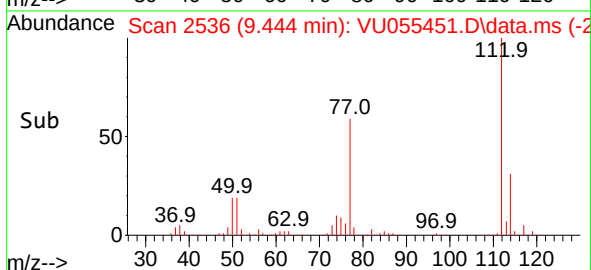
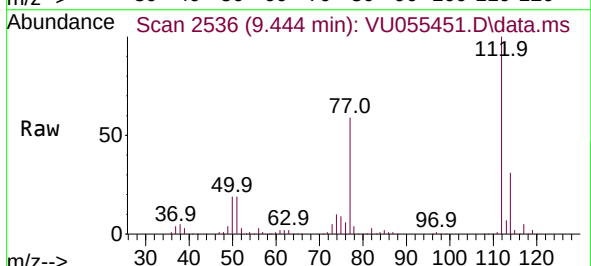
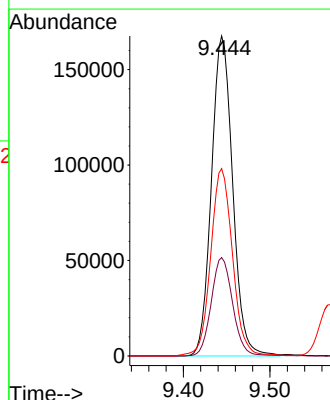
Tgt Ion:112 Resp: 285226

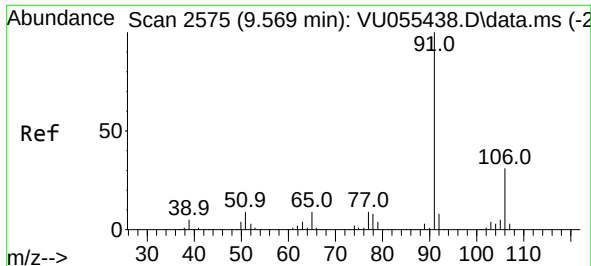
Ion Ratio Lower Upper

112 100

114 30.8 22.0 40.8

77 58.6 46.9 70.3

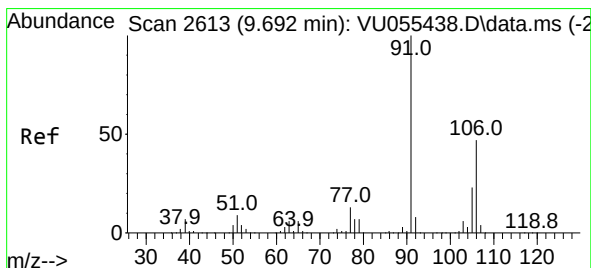
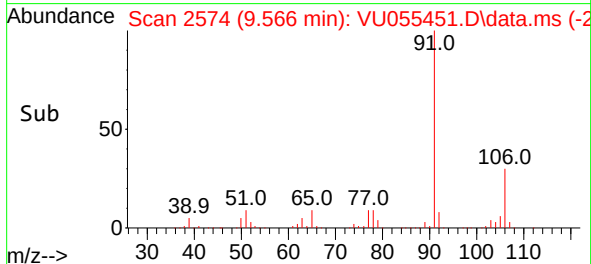
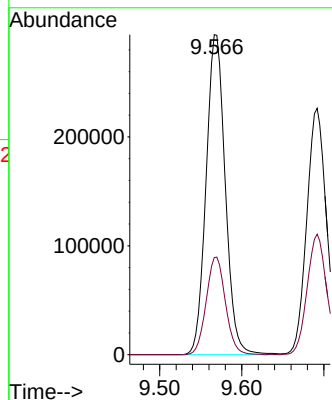
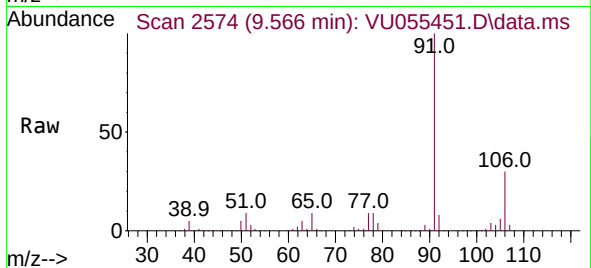




#52
Ethylbenzene
Concen: 5.027 ug/L
RT: 9.566 min Scan# 2575
Delta R.T. -0.003 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

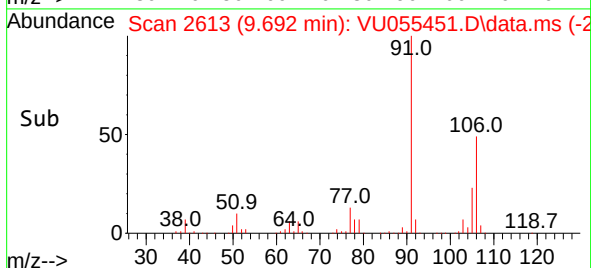
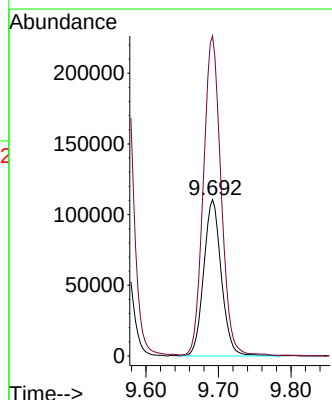
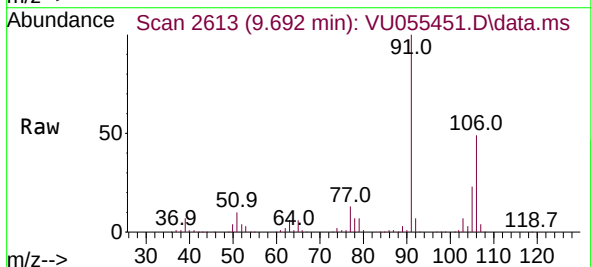
Instrument :
MSVOA_U
ClientSampleId :

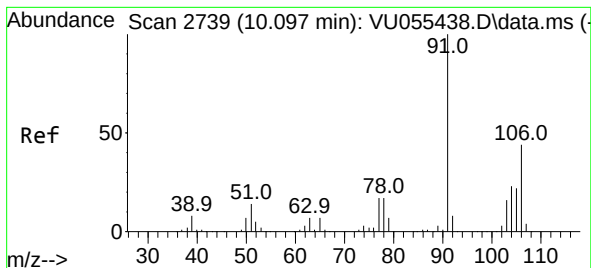
Tgt Ion: 91 Resp: 478678
Ion Ratio Lower Upper
91 100
106 30.4 22.4 41.6



#53
m,p-Xylene
Concen: 5.233 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Tgt Ion: 106 Resp: 186711
Ion Ratio Lower Upper
106 100
91 204.7 144.8 269.0





#54

o-Xylene

Concen: 5.128 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

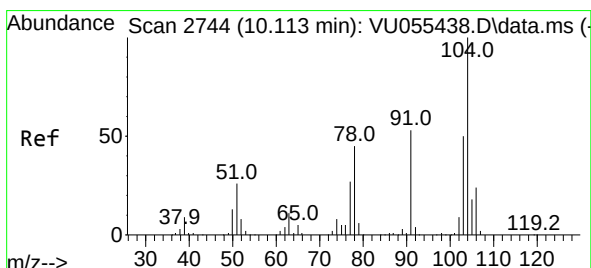
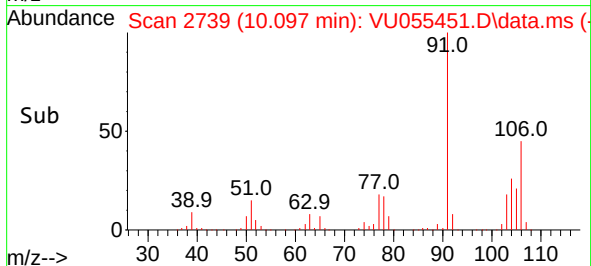
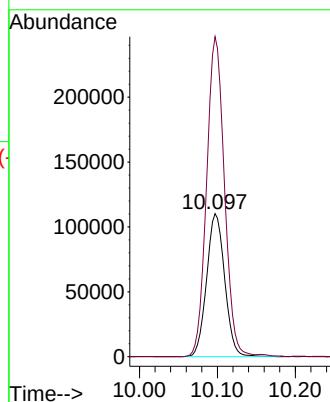
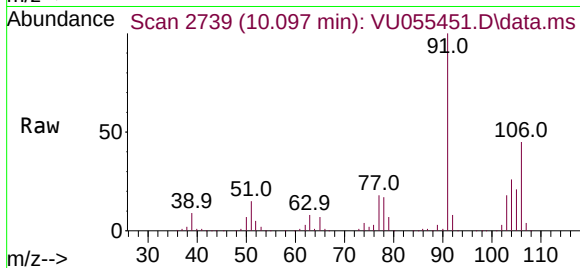
ClientSampleId :

Tgt Ion:106 Resp: 177882

Ion Ratio Lower Upper

106 100

91 223.6 157.6 292.8



#55

Styrene

Concen: 5.337 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VU055451.D

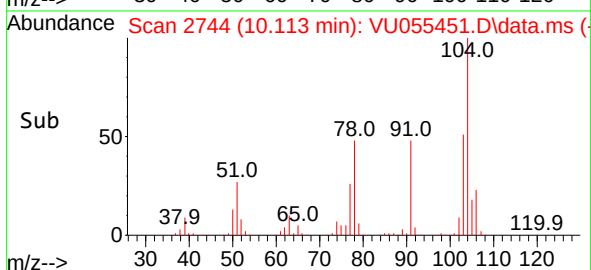
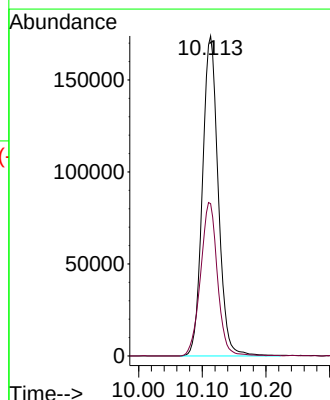
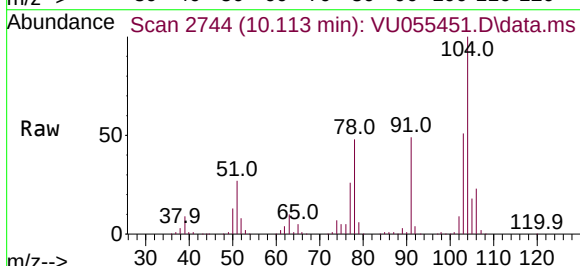
Acq: 21 Sep 2023 17:24

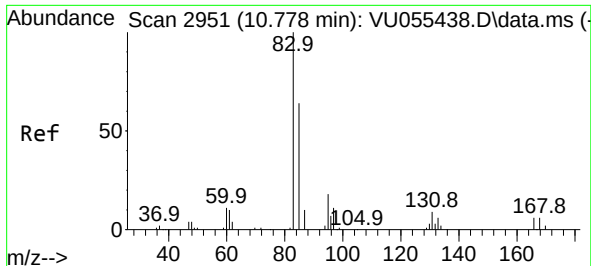
Tgt Ion:104 Resp: 299364

Ion Ratio Lower Upper

104 100

78 47.6 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.971 ug/L

RT: 10.779 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU055451.D

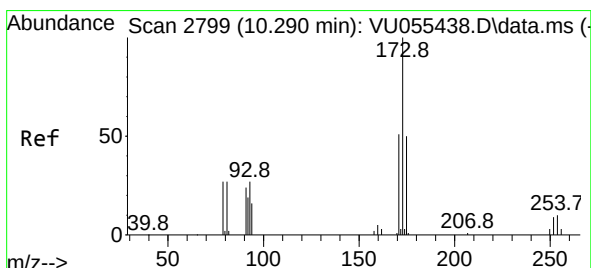
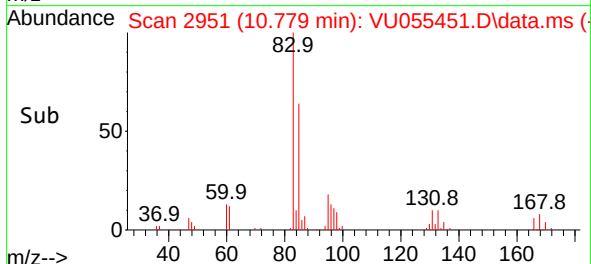
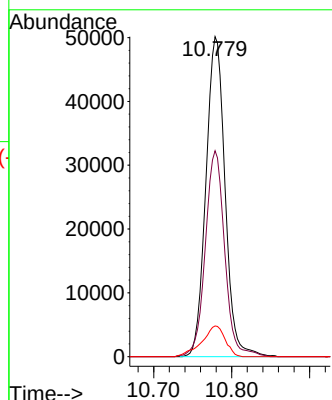
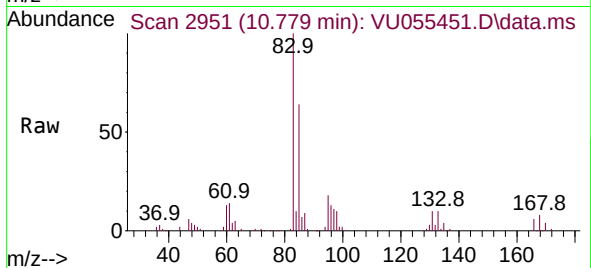
Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 85691
Ion Ratio	Lower Upper
83 100	
85 64.4	44.4 82.5
131 9.6	7.4 11.2



#59

Bromoform

Concen: 5.207 ug/L

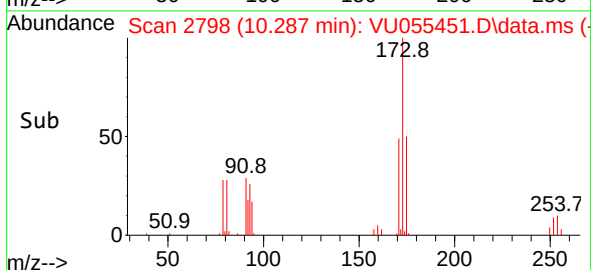
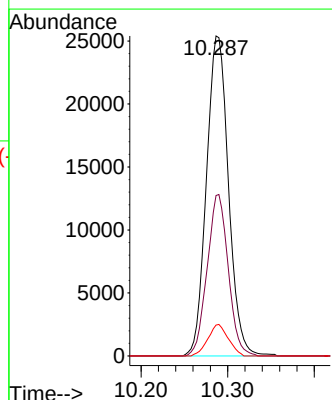
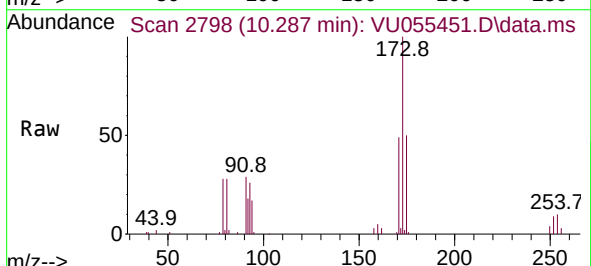
RT: 10.287 min Scan# 2798

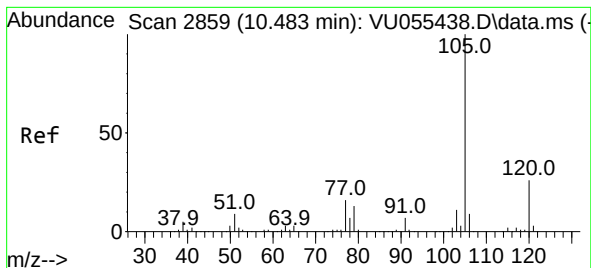
Delta R.T. -0.003 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Tgt Ion: 173	Resp: 44913
Ion Ratio	Lower Upper
173 100	
175 48.2	39.4 59.2
254 9.1	7.3 10.9





#60

Isopropylbenzene

Concen: 5.115 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VU055451.D

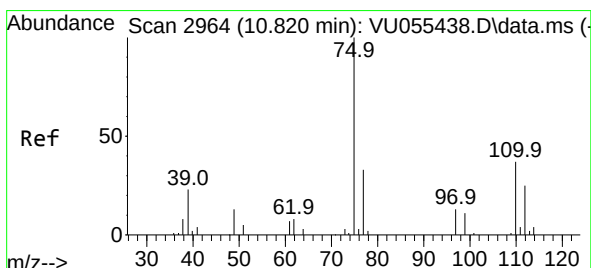
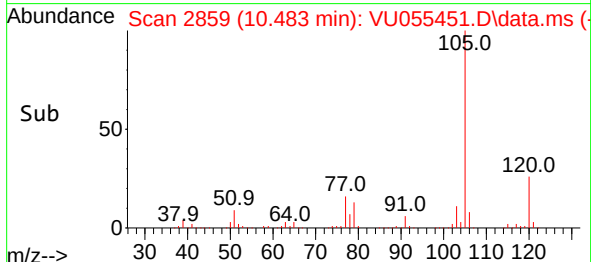
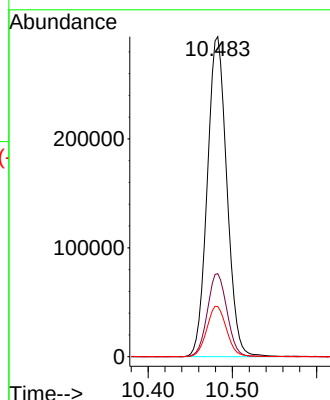
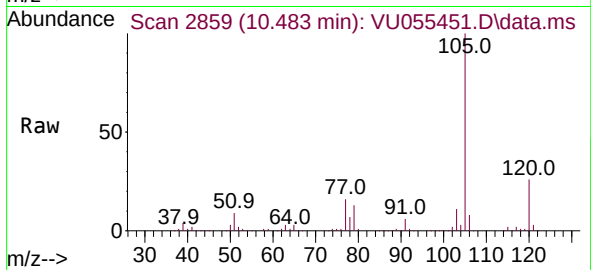
Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	474440
Ion Ratio	Lower	Upper	
105	100		
120	26.1	20.8	31.2
77	16.0	12.6	19.0



#61

1,2,3-Trichloropropane

Concen: 5.017 ug/L

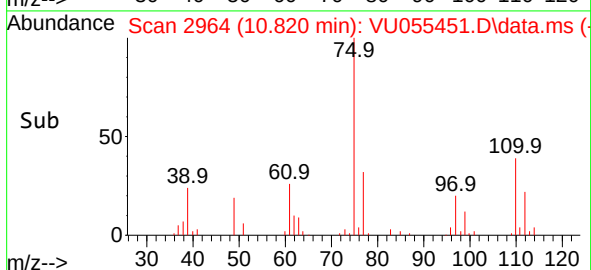
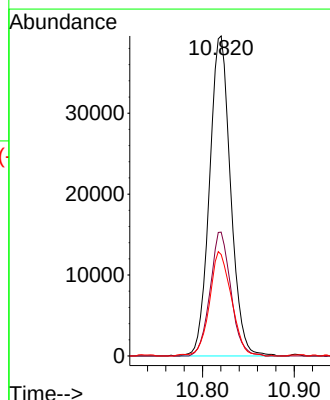
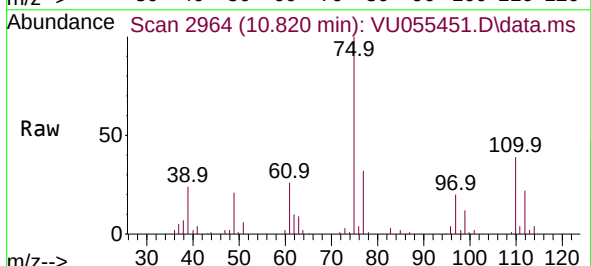
RT: 10.820 min Scan# 2964

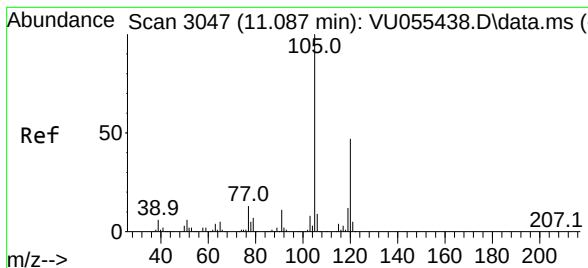
Delta R.T. 0.000 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

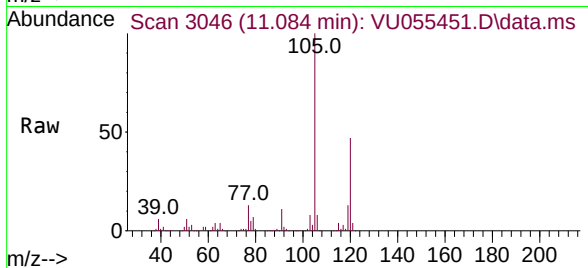
Tgt Ion:	75	Resp:	63030
Ion Ratio	Lower	Upper	
75	100		
110	38.1	30.6	45.8
77	33.9	26.7	40.1



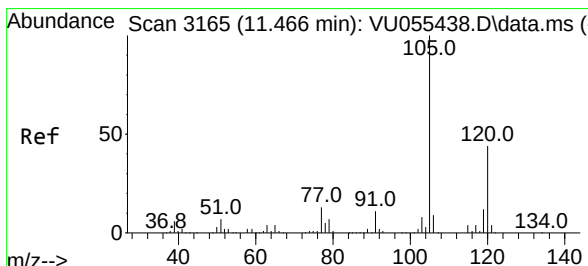
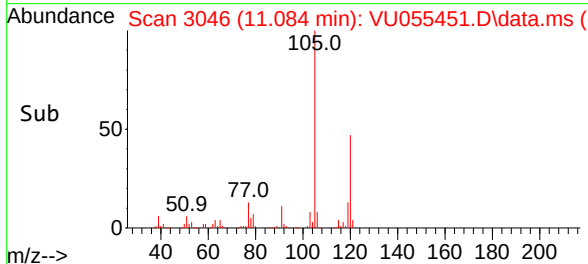
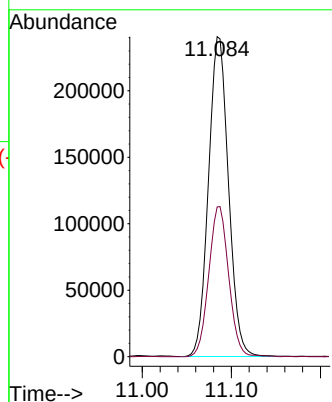


#62
 1,3,5-Trimethylbenzene
 Concen: 5.048 ug/L
 RT: 11.084 min Scan# 3047
 Delta R.T. -0.003 min
 Lab File: VU055451.D
 Acq: 21 Sep 2023 17:24

Instrument :
 MSVOA_U
 ClientSampleId :

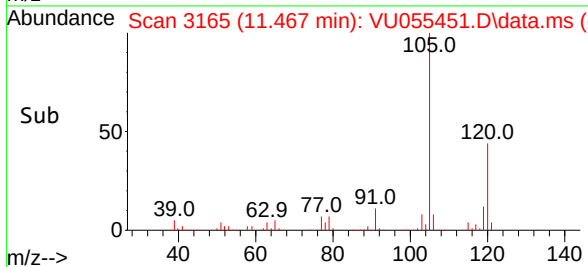
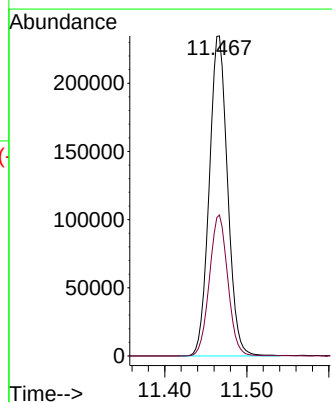
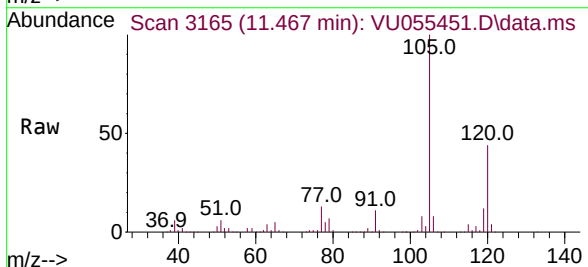


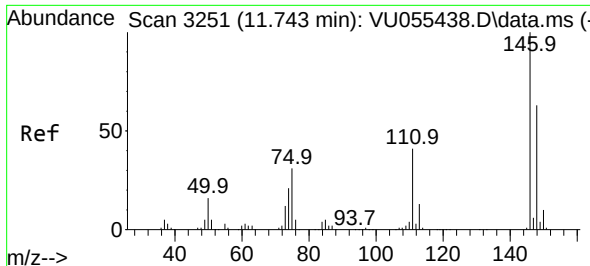
Tgt Ion:105 Resp: 374440
 Ion Ratio Lower Upper
 105 100
 120 46.8 38.1 57.1



#63
 1,2,4-Trimethylbenzene
 Concen: 5.032 ug/L
 RT: 11.467 min Scan# 3165
 Delta R.T. 0.000 min
 Lab File: VU055451.D
 Acq: 21 Sep 2023 17:24

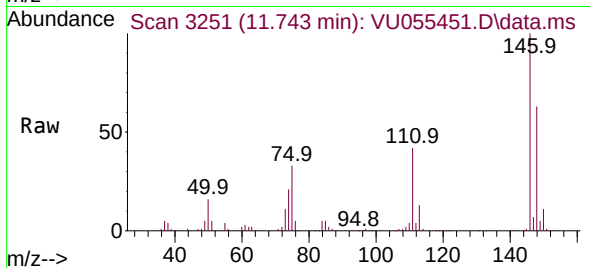
Tgt Ion:105 Resp: 365379
 Ion Ratio Lower Upper
 105 100
 120 44.2 34.9 52.3



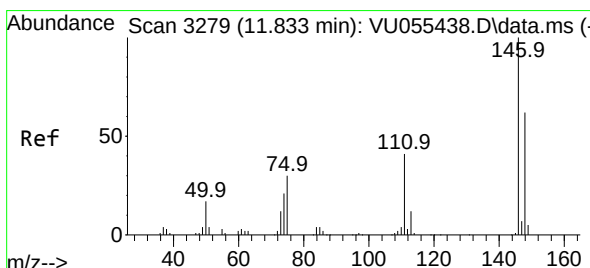
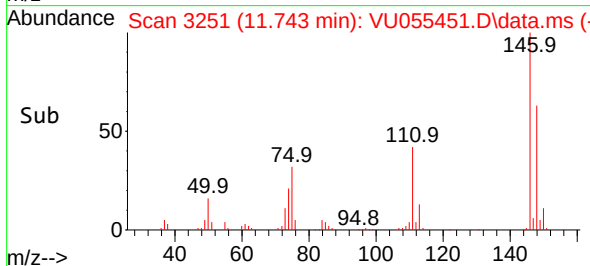
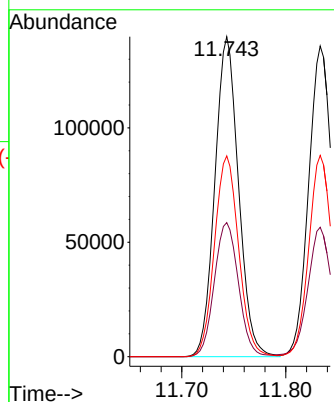


#64
1,3-Dichlorobenzene
Concen: 4.978 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Instrument :
MSVOA_U
ClientSampleId :

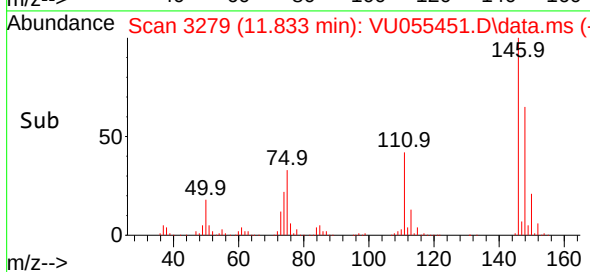
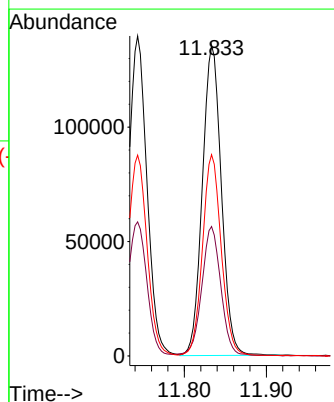
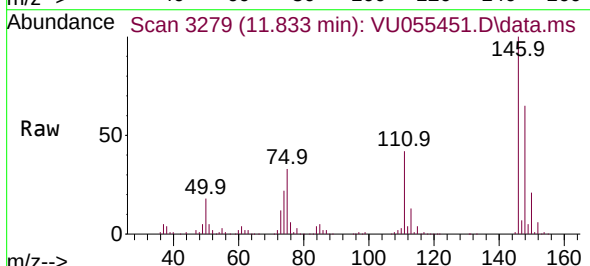


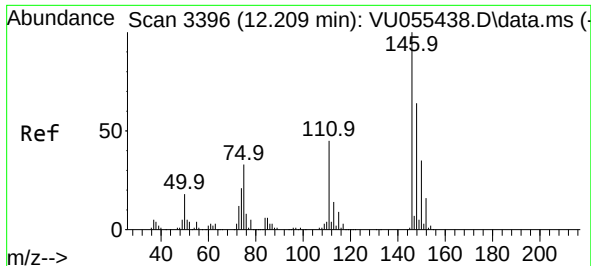
Tgt Ion:146 Resp: 221037
Ion Ratio Lower Upper
146 100
111 41.9 28.8 53.6
148 62.8 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 4.913 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Tgt Ion:146 Resp: 218071
Ion Ratio Lower Upper
146 100
111 41.6 29.0 53.8
148 64.7 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 5.115 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

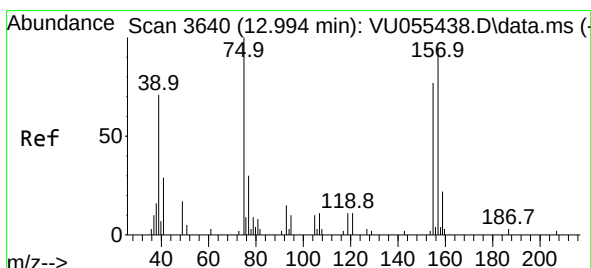
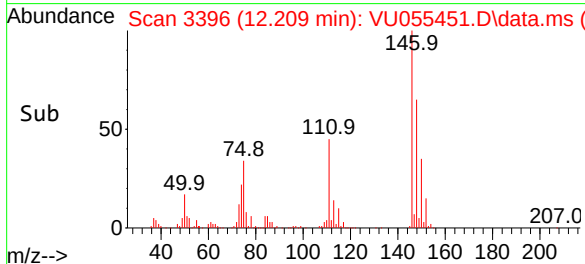
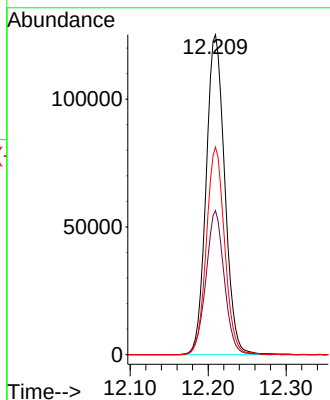
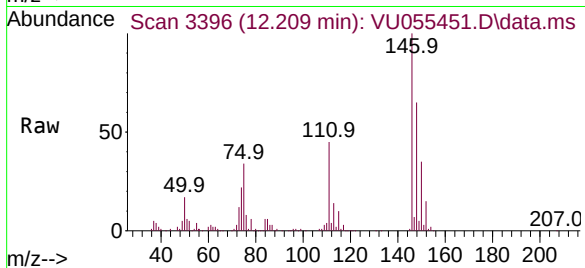
Tgt Ion:146 Resp: 208265

Ion Ratio Lower Upper

146 100

111 45.0 34.6 52.0

148 64.9 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.610 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055451.D

Acq: 21 Sep 2023 17:24

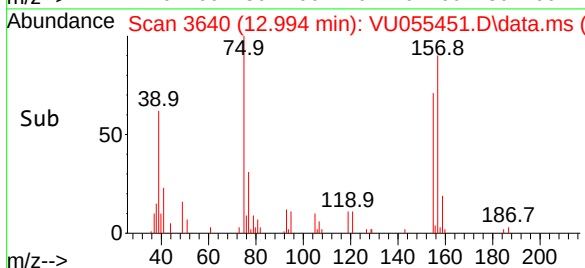
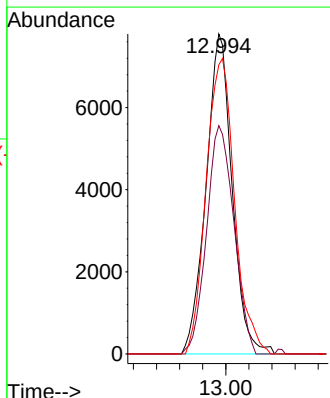
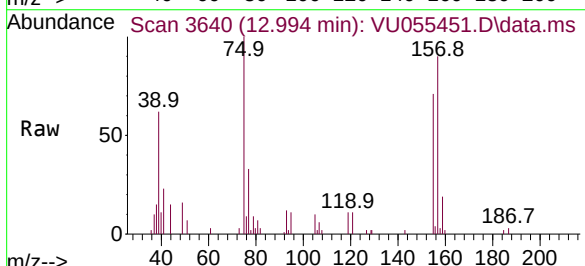
Tgt Ion: 75 Resp: 12216

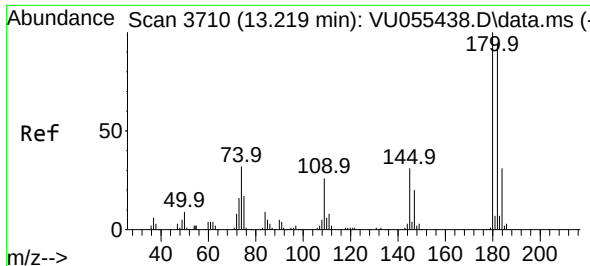
Ion Ratio Lower Upper

75 100

155 71.3 69.2 103.8

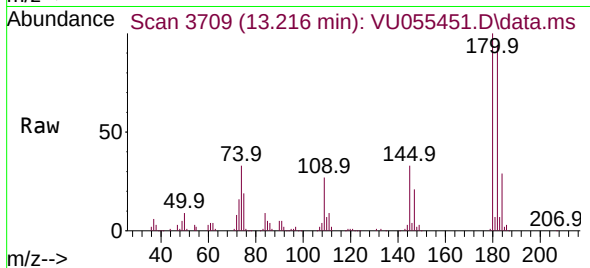
157 90.3 81.9 122.9



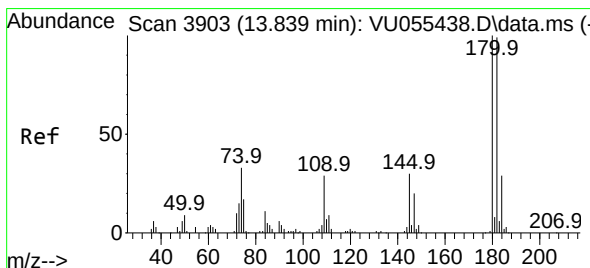
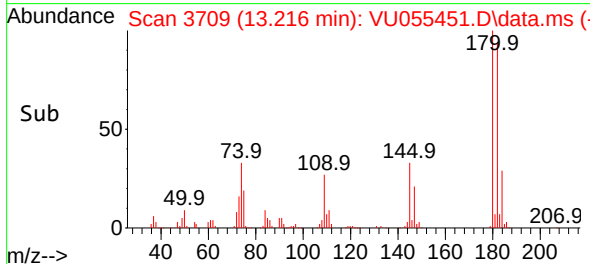
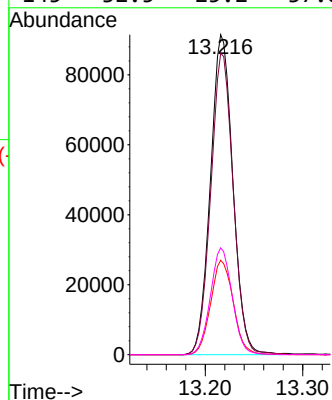


#69
 1,3,5-Trichlorobenzene
 Concen: 4.778 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU055451.D
 Acq: 21 Sep 2023 17:24

Instrument :
 MSVOA_U
 ClientSampleId :

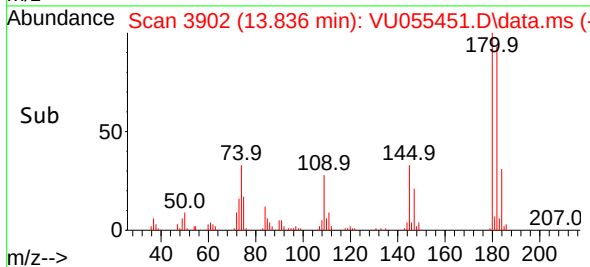
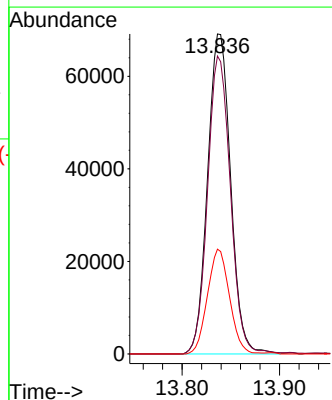
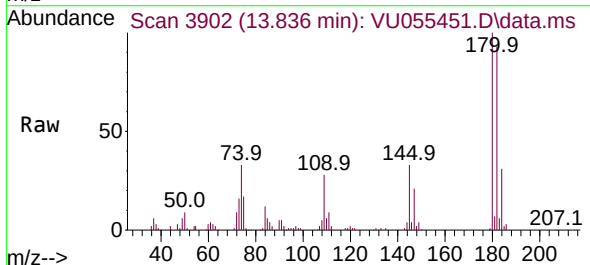


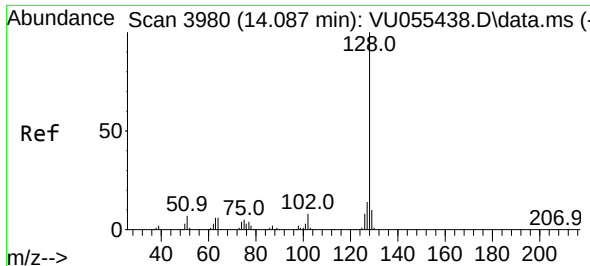
Tgt Ion:180 Resp: 146104
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.1 115.7
 184 29.7 24.0 36.0
 145 32.5 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.867 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.003 min
 Lab File: VU055451.D
 Acq: 21 Sep 2023 17:24

Tgt Ion:180 Resp: 113468
 Ion Ratio Lower Upper
 180 100
 182 92.5 76.4 114.6
 145 31.5 25.4 38.0

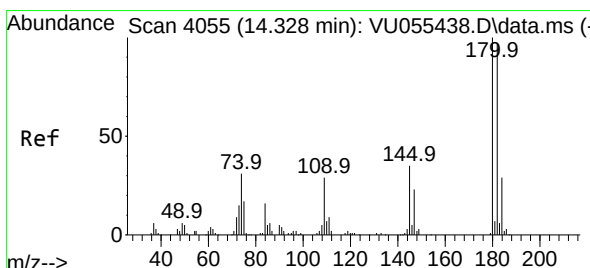
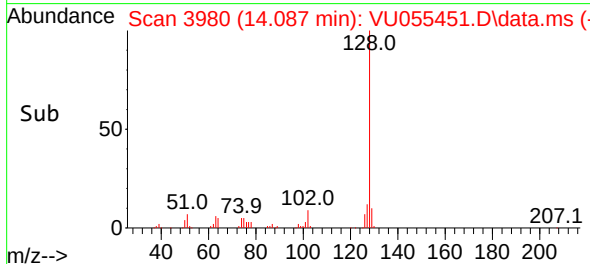
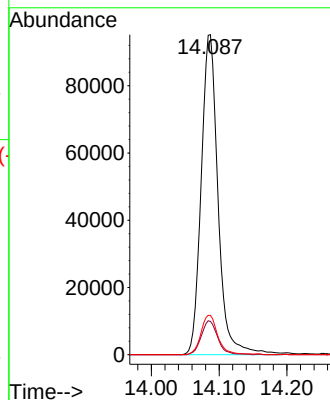
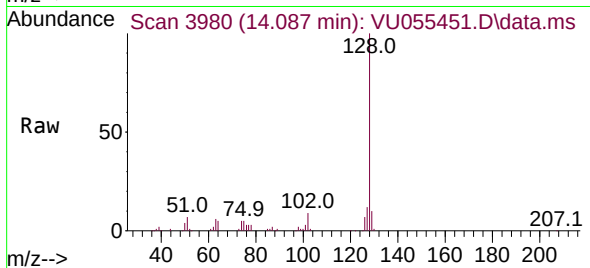




#71
Naphthalene
Concen: 4.870 ug/L
RT: 14.087 min Scan# 3980
Delta R.T. 0.000 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 164382
Ion Ratio Lower Upper
128 100
129 10.2 8.5 12.7
127 12.2 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.892 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VU055451.D
Acq: 21 Sep 2023 17:24

Tgt Ion:180 Resp: 99239
Ion Ratio Lower Upper
180 100
182 95.0 76.2 114.4
145 34.2 26.0 39.0

