

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055737.D
 Acq On : 11 Oct 2023 09:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 12 01:50:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 11 05:51:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	431327	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	437988	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	240117	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	175621	45.394	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.780%
7) Chloroethane-d5	1.904	69	145413	45.981	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.960%
11) 1,1-Dichloroethene-d2	2.563	63	312190	45.256	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.520%
21) 2-Butanone-d5	4.615	46	251595	87.763	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.760%
24) Chloroform-d	5.058	84	345673	46.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.220%
26) 1,2-Dichloroethane-d4	5.695	65	220021	48.195	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.380%
32) Benzene-d6	5.724	84	669767	47.794	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.580%
36) 1,2-Dichloropropane-d6	6.685	67	205577	46.338	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.680%
41) Toluene-d8	7.894	98	609927	48.201	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	8.177	79	94456	44.322	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.640%
47) 2-Hexanone-d5	8.627	63	160148	91.824	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.820%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	325576	47.677	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.360%
66) 1,2-Dichlorobenzene-d4	12.190	152	235945	49.516	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	166770	46.436	ug/L	100
3) Chloromethane	1.518	50	159295	46.875	ug/L	99
5) Vinyl chloride	1.602	62	172054	46.006	ug/L	98
6) Bromomethane	1.840	94	108652	45.446	ug/L	99
8) Chloroethane	1.923	64	116119	47.336	ug/L	96
9) Trichlorofluoromethane	2.132	101	254323	47.597	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	154977	45.100	ug/L	99
12) 1,1-Dichloroethene	2.576	96	139072	45.480	ug/L	99
13) Acetone	2.618	43	155092	58.299	ug/L	99
14) Carbon disulfide	2.788	76	389663	41.874	ug/L	96
15) Methyl Acetate	2.940	43	183149	44.954	ug/L	95
16) Methylene chloride	3.039	84	166584	44.922	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	143062	45.753	ug/L	99
18) Methyl tert-butyl Ether	3.358	73	480953	47.828	ug/L	99
19) 1,1-Dichloroethane	3.862	63	295969	46.157	ug/L	98
20) cis-1,2-Dichloroethene	4.663	96	167505	46.938	ug/L	99
22) 2-Butanone	4.692	43	242695	75.688	ug/L	98
23) Bromochloromethane	4.968	128	88031	47.631	ug/L	95
25) Chloroform	5.081	83	317255	47.362	ug/L	100

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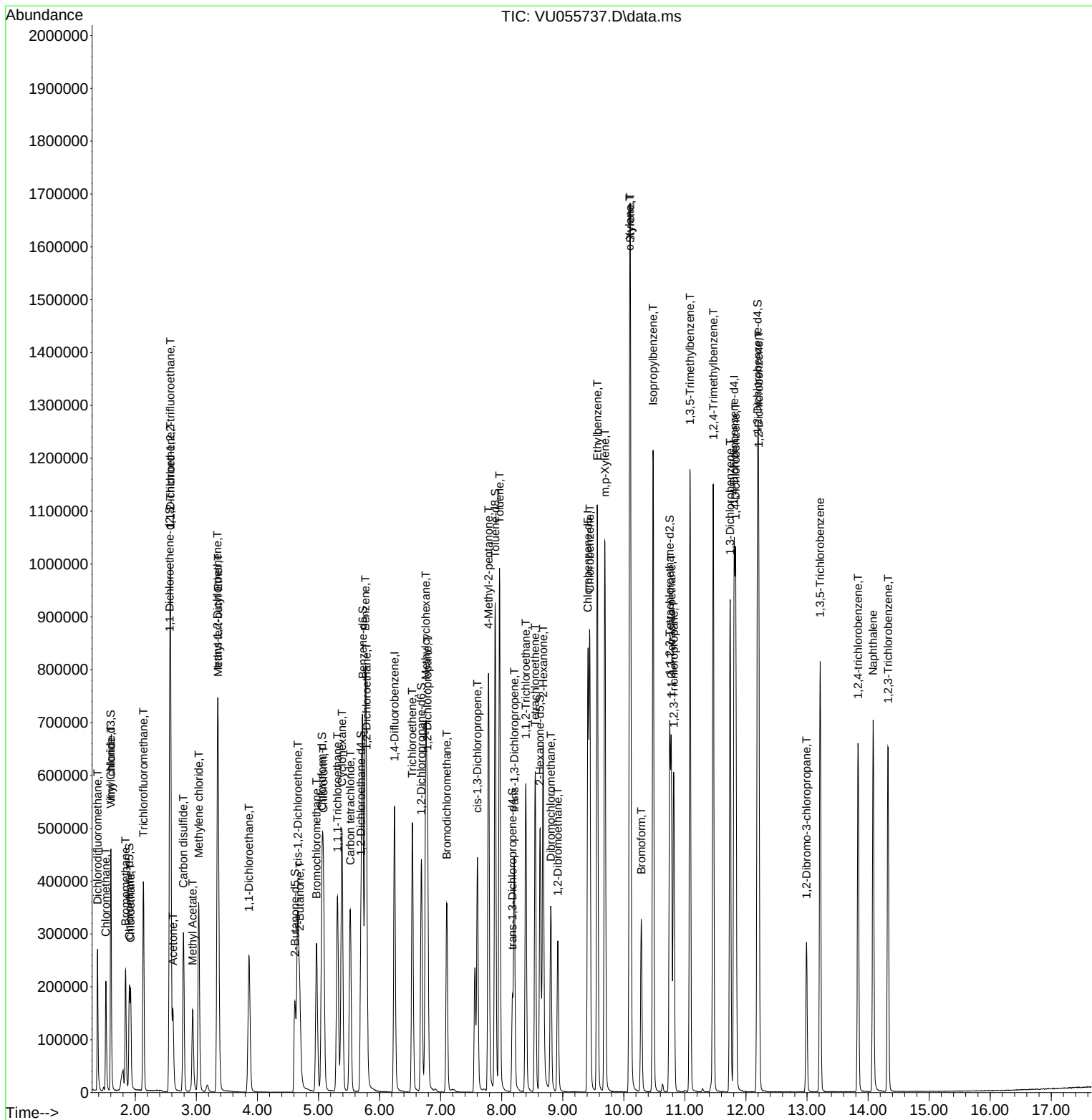
Instrument :
 MSVOA_U
 ClientSampleId :

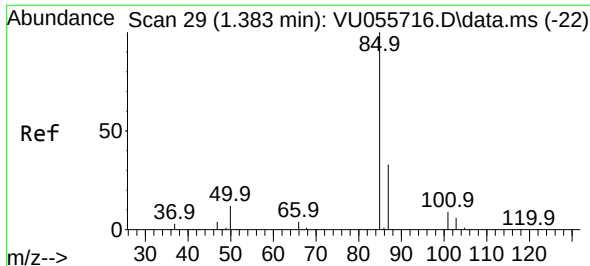
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	256339	47.846	ug/L	100
29) Cyclohexane	5.386	56	237065	47.221	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	268792	47.501	ug/L	100
31) Carbon tetrachloride	5.521	117	236481	47.745	ug/L	99
33) Benzene	5.769	78	668648	48.295	ug/L	100
34) Trichloroethene	6.537	95	173272	45.739	ug/L	99
35) Methylcyclohexane	6.759	83	257241	46.802	ug/L	99
37) 1,2-Dichloropropane	6.785	63	179717	47.139	ug/L	99
38) Bromodichloromethane	7.103	83	233309	46.405	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	251330	43.332	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	497301	93.763	ug/L	99
42) Toluene	7.965	91	714919	48.936	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	242856	43.761	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	179905	47.856	ug/L	97
46) Tetrachloroethene	8.550	164	125000	46.086	ug/L	97
48) 2-Hexanone	8.679	43	410986	91.739	ug/L	100
49) Dibromochloromethane	8.804	129	182607	47.540	ug/L	100
50) 1,2-Dibromoethane	8.920	107	191198	47.352	ug/L	96
51) Chlorobenzene	9.444	112	442372	46.801	ug/L	99
52) Ethylbenzene	9.566	91	771826	48.324	ug/L	100
53) m,p-Xylene	9.692	106	300885	50.284	ug/L	100
54) o-Xylene	10.097	106	288434	49.813	ug/L	97
55) Styrene	10.110	104	501750	51.151	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	311598	48.408	ug/L	100
59) Bromoform	10.287	173	140046	47.379	ug/L	96
60) 1,2,3-Trichloropropane	10.817	75	253699	48.683	ug/L	100
61) Isopropylbenzene	10.479	105	769899	51.432	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	637090	52.598	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	634712	52.994	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	363259	49.090	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	368398	48.422	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	371198	50.548	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	74780	47.998	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	231693	46.940	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	185617	45.147	ug/L	99
71) Naphthalene	14.084	128	562553	46.062	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	187958	46.369	ug/L	98

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

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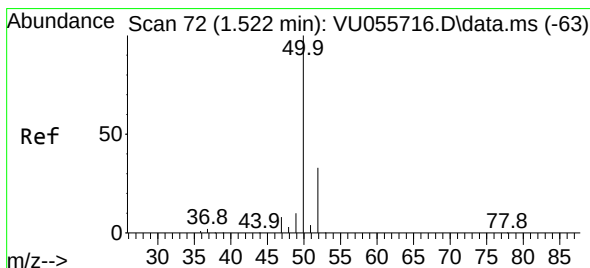
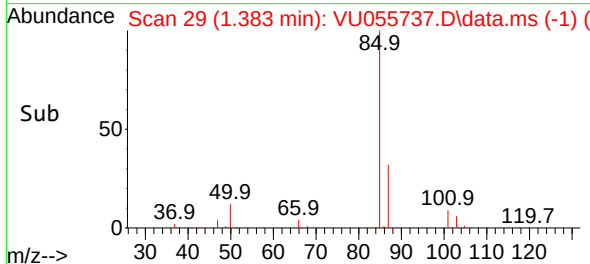
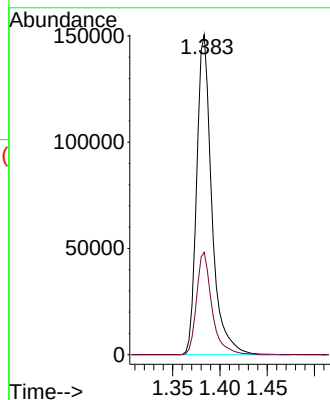
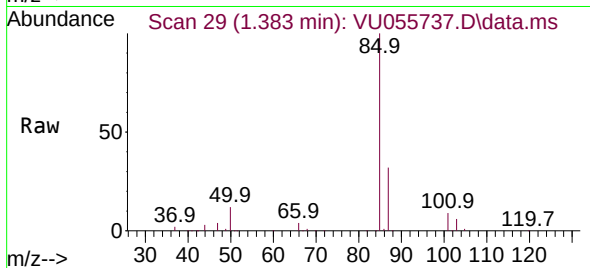




#2
 Dichlorodifluoromethane
 Concen: 46.436 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055737.D
 Acq: 11 Oct 2023 09:58

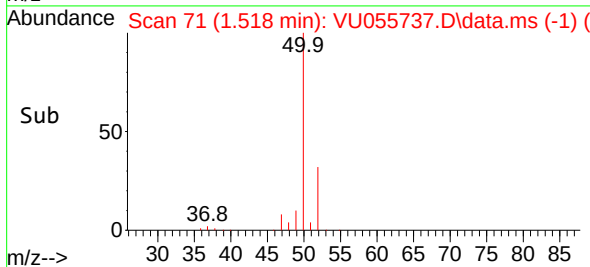
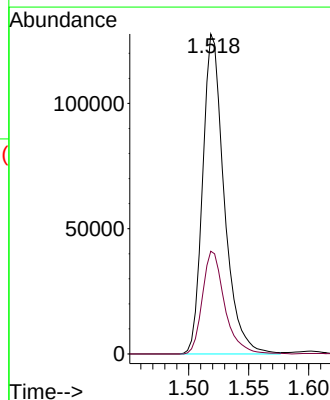
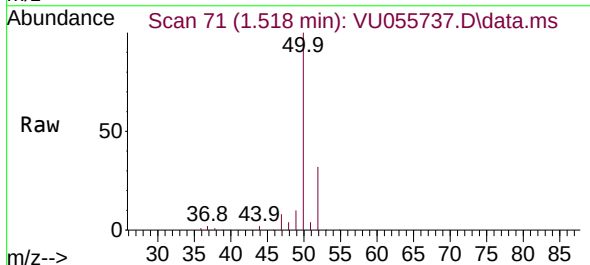
Instrument :
 MSVOA_U
 ClientSampleId :

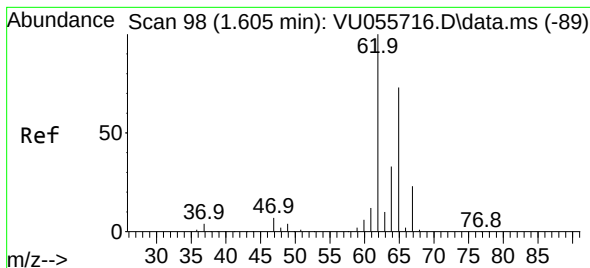
Tgt Ion: 85 Resp: 166770
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.0 39.0



#3
 Chloromethane
 Concen: 46.875 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU055737.D
 Acq: 11 Oct 2023 09:58

Tgt Ion: 50 Resp: 159295
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.8 42.4





#5

Vinyl chloride

Concen: 46.006 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

Instrument :

MSVOA_U

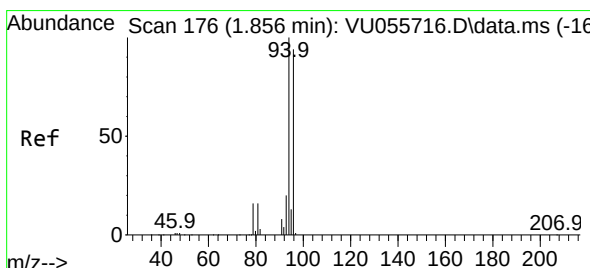
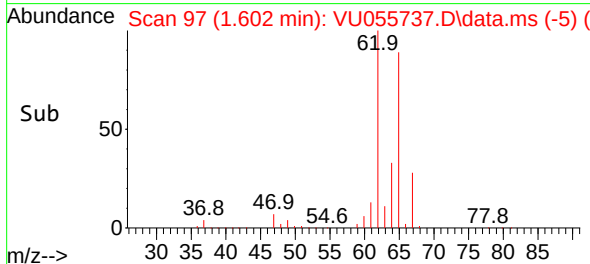
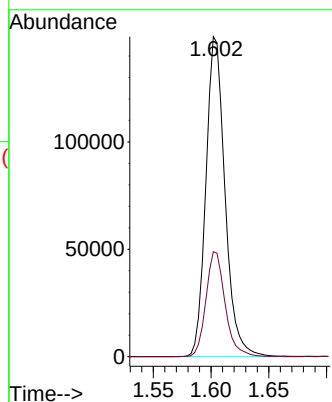
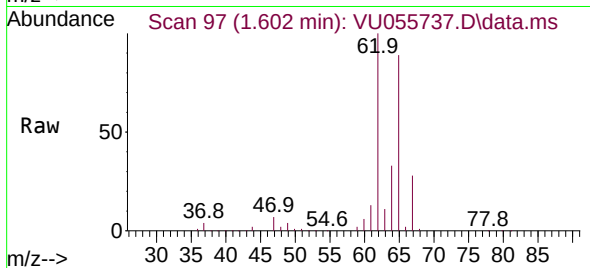
ClientSampleId :

Tgt Ion: 62 Resp: 172054

Ion Ratio Lower Upper

62 100

64 32.8 23.9 44.5



#6

Bromomethane

Concen: 45.446 ug/L

RT: 1.840 min Scan# 171

Delta R.T. -0.016 min

Lab File: VU055737.D

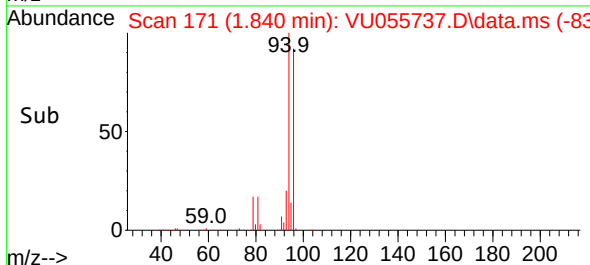
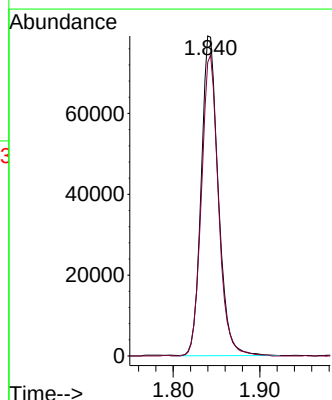
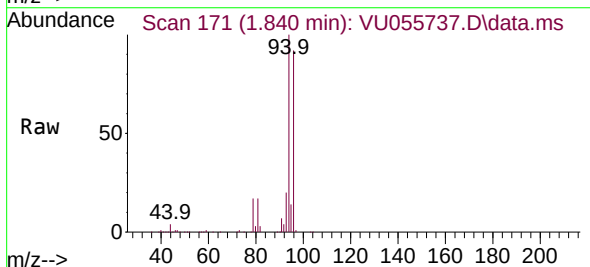
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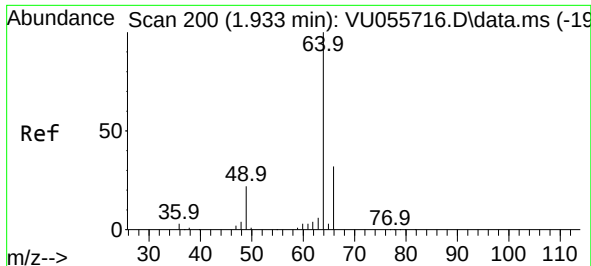
Tgt Ion: 94 Resp: 108652

Ion Ratio Lower Upper

94 100

96 91.8 63.5 117.9

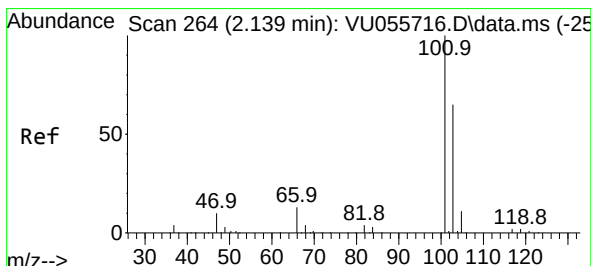
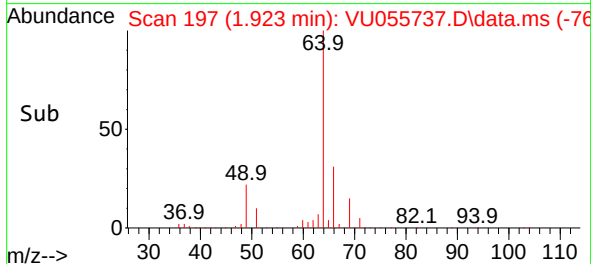
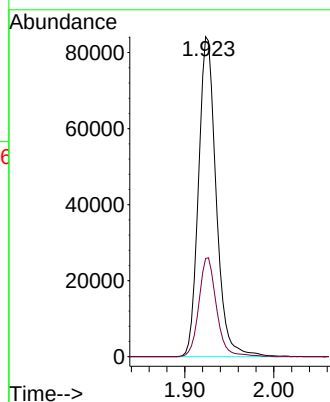
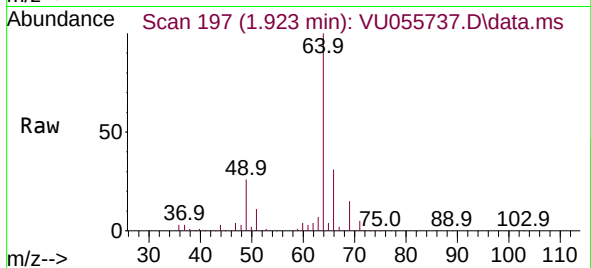




#8
Chloroethane
Concen: 47.336 ug/L
RT: 1.923 min Scan# 197
Delta R.T. -0.010 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

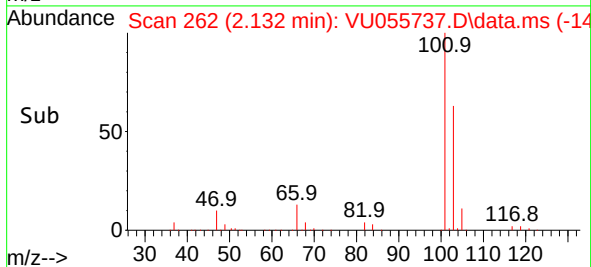
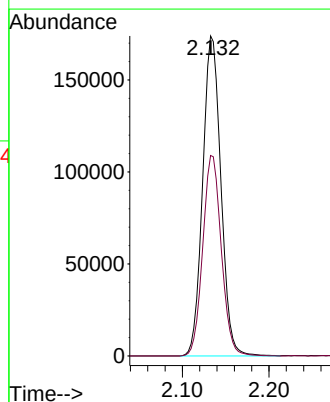
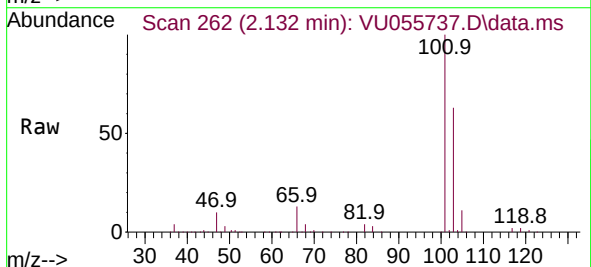
Instrument :
MSVOA_U
ClientSampleId :

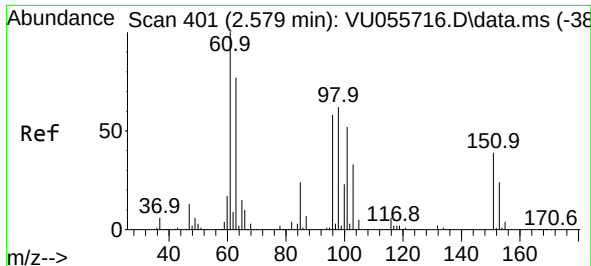
Tgt Ion: 64 Resp: 116119
Ion Ratio Lower Upper
64 100
66 30.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 47.597 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.006 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

Tgt Ion: 101 Resp: 254323
Ion Ratio Lower Upper
101 100
103 63.7 51.3 76.9

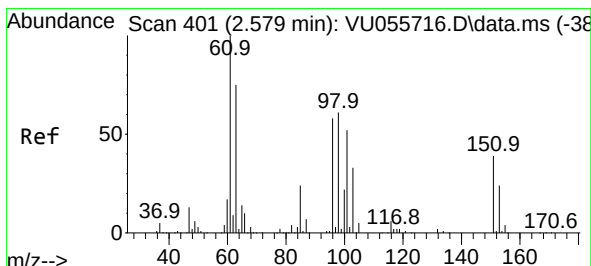
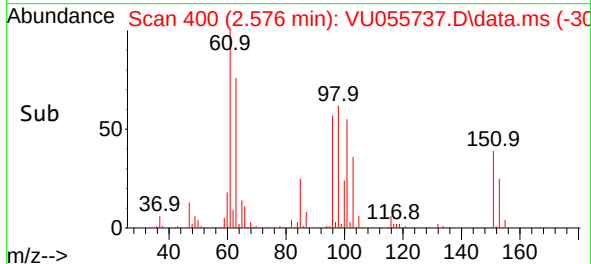
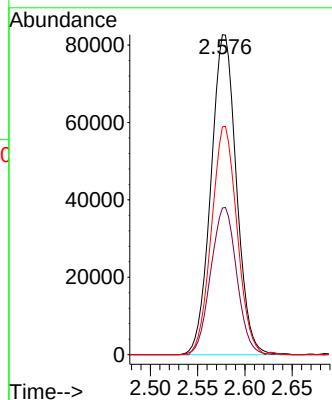
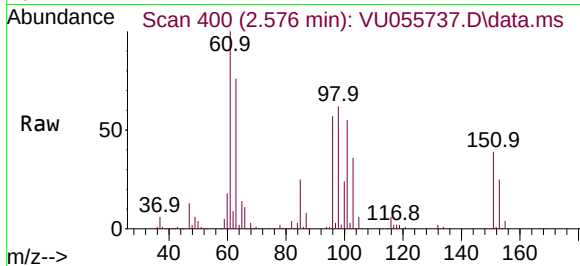




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.100 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU055737.D
 Acq: 11 Oct 2023 09:58

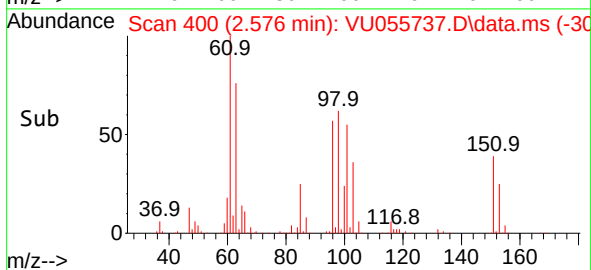
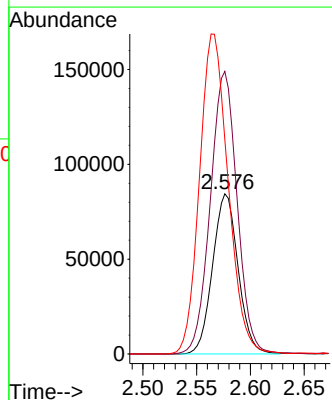
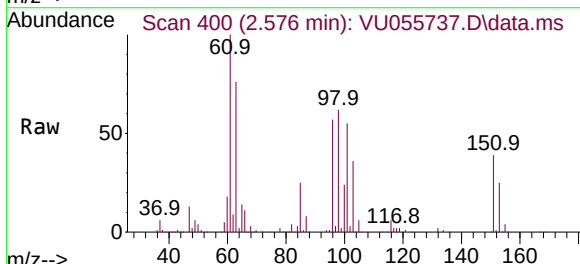
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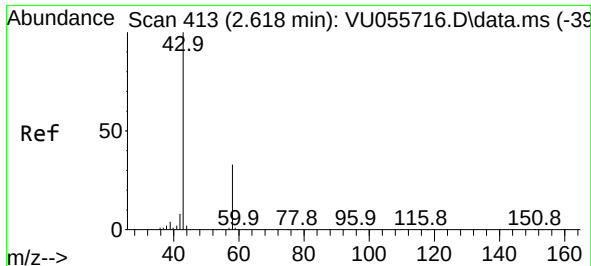
Tgt Ion:101 Resp: 154977
 Ion Ratio Lower Upper
 101 100
 85 46.9 37.1 55.7
 151 71.5 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 45.480 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU055737.D
 Acq: 11 Oct 2023 09:58

Tgt Ion: 96 Resp: 139072
 Ion Ratio Lower Upper
 96 100
 61 176.4 122.0 226.6
 63 133.8 93.7 174.1





#13

Acetone

Concen: 58.299 ug/L

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

Instrument :

MSVOA_U

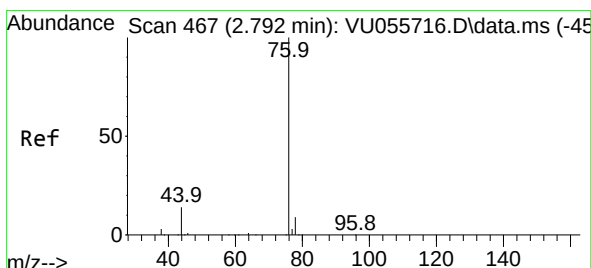
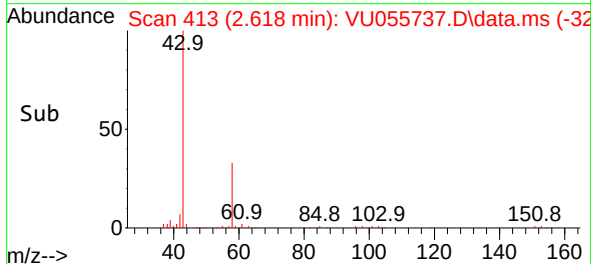
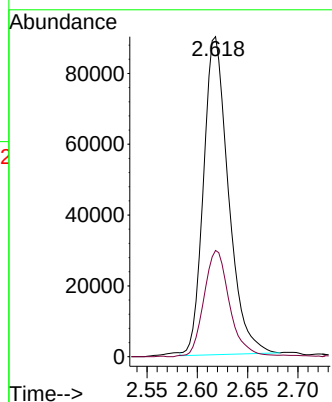
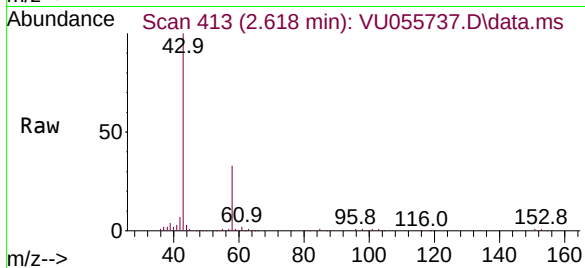
ClientSampleId :

Tgt Ion: 43 Resp: 155092

Ion Ratio Lower Upper

43 100

58 34.3 0.0 67.4



#14

Carbon disulfide

Concen: 41.874 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU055737.D

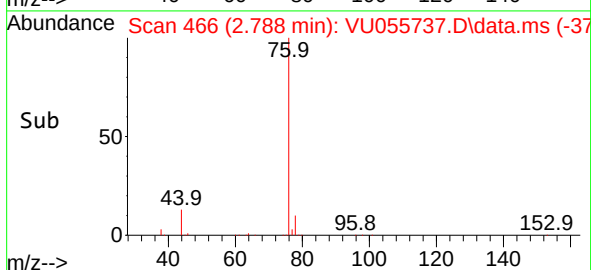
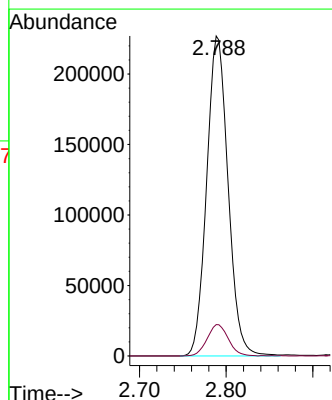
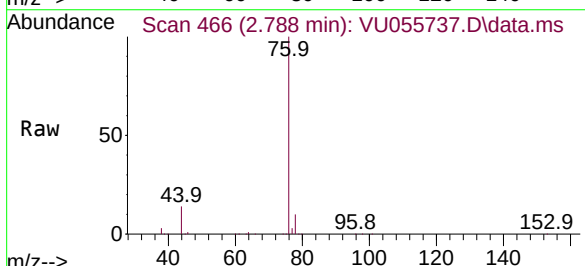
Acq: 11 Oct 2023 09:58

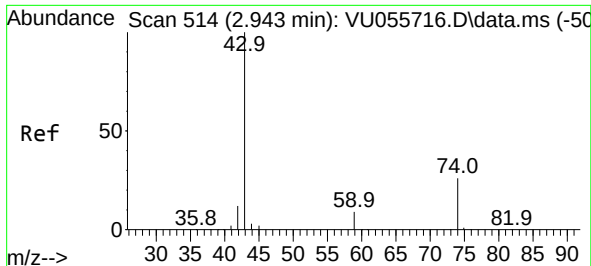
Tgt Ion: 76 Resp: 389663

Ion Ratio Lower Upper

76 100

78 9.8 6.8 10.2

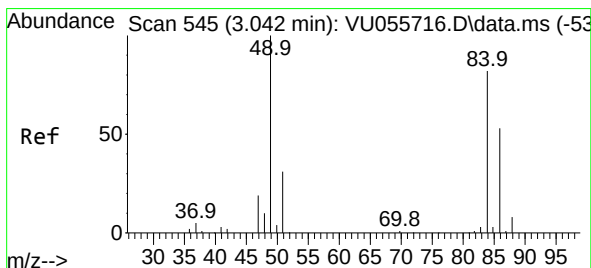
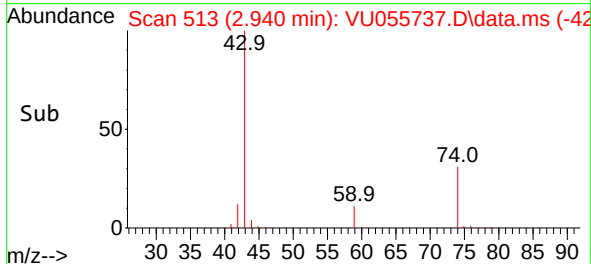
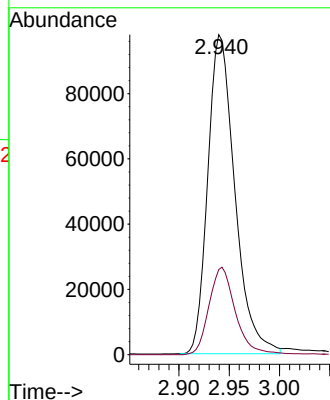
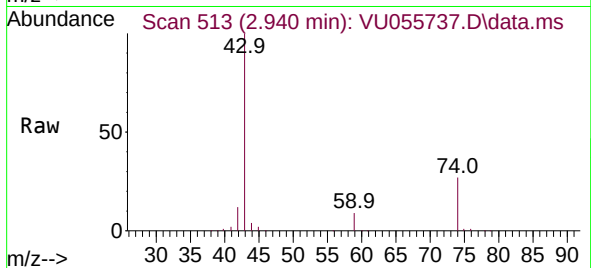




#15
Methyl Acetate
Concen: 44.954 ug/L
RT: 2.940 min Scan# 514
Delta R.T. -0.003 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

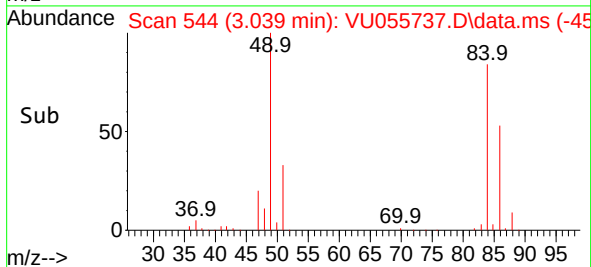
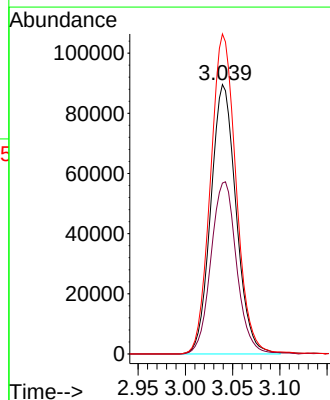
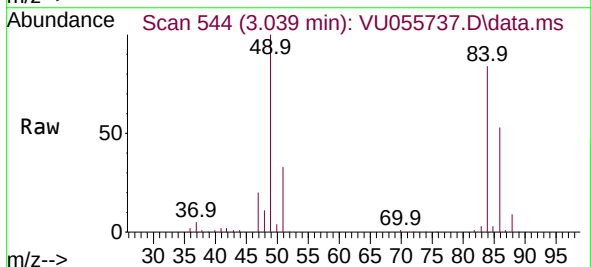
Instrument :
MSVOA_U
ClientSampleId :

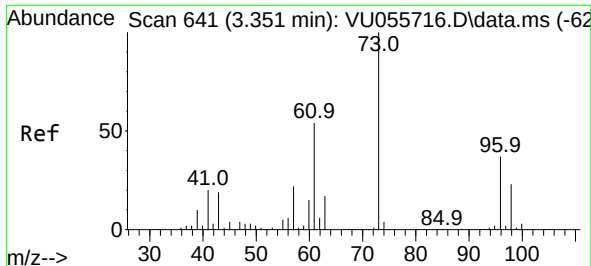
Tgt Ion: 43 Resp: 183149
Ion Ratio Lower Upper
43 100
74 26.8 19.5 29.3



#16
Methylene chloride
Concen: 44.922 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

Tgt Ion: 84 Resp: 166584
Ion Ratio Lower Upper
84 100
86 63.4 46.3 86.1
49 118.7 84.8 157.6





#17

trans-1,2-Dichloroethene

Concen: 45.753 ug/L

RT: 3.348 min Scan# 641

Delta R.T. -0.003 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

Instrument :

MSVOA_U

ClientSampleId :

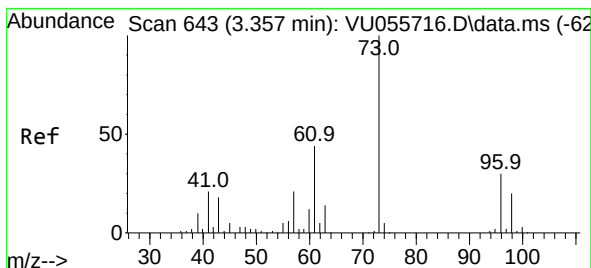
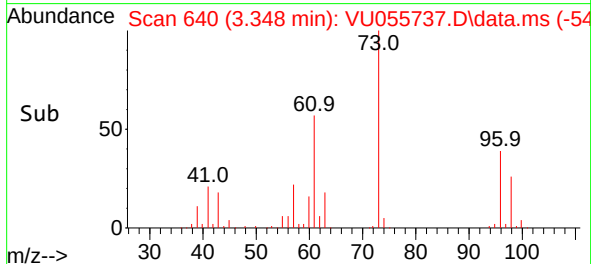
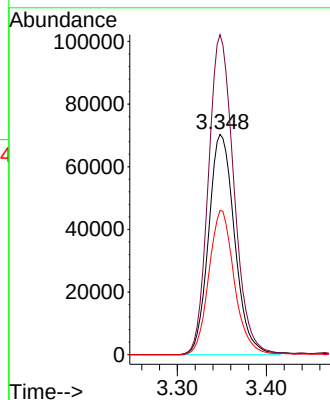
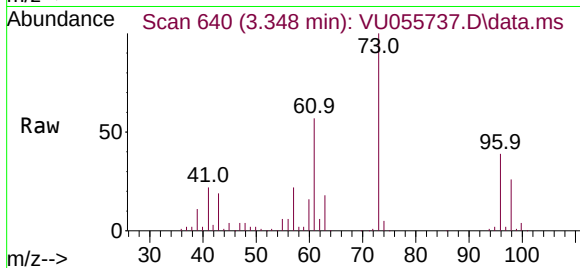
Tgt Ion: 96 Resp: 143062

Ion Ratio Lower Upper

96 100

61 145.2 102.1 189.7

98 65.5 46.3 86.1



#18

Methyl tert-butyl Ether

Concen: 47.828 ug/L

RT: 3.358 min Scan# 643

Delta R.T. 0.000 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

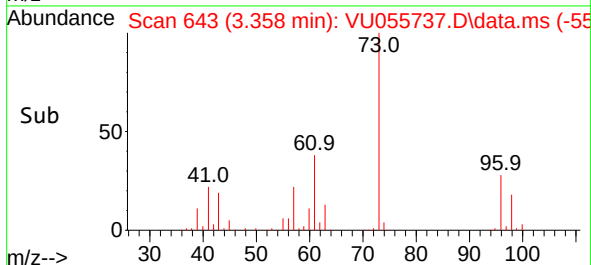
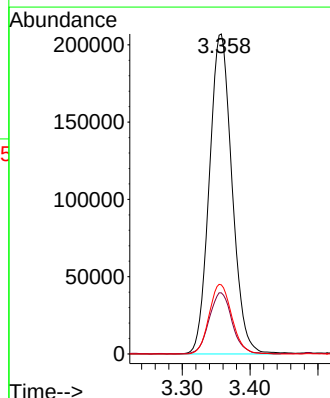
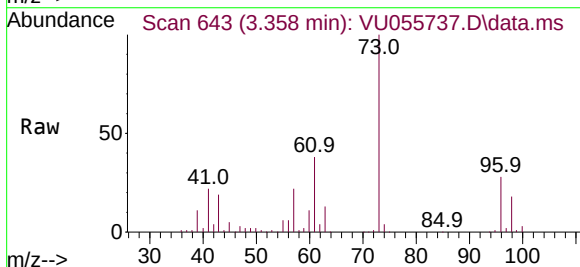
Tgt Ion: 73 Resp: 480953

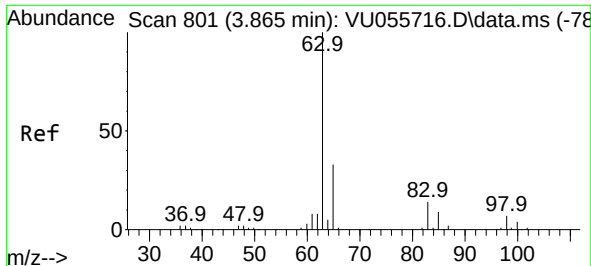
Ion Ratio Lower Upper

73 100

43 19.1 15.4 23.2

57 21.8 17.7 26.5





#19

1,1-Dichloroethane

Concen: 46.157 ug/L

RT: 3.862 min Scan# 801

Delta R.T. -0.003 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

Instrument :

MSVOA_U

ClientSampleId :

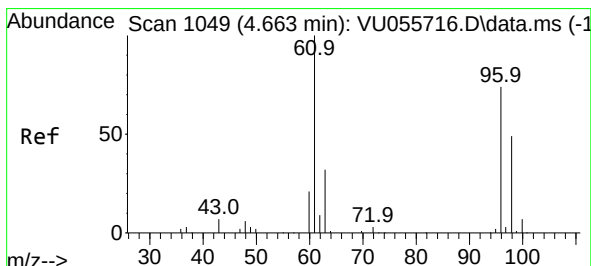
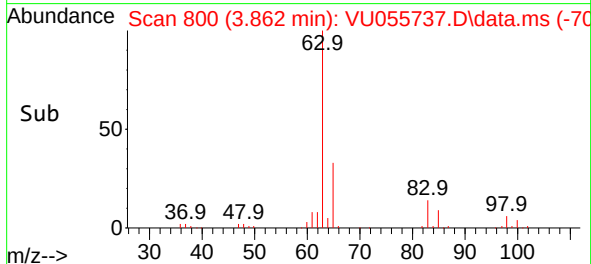
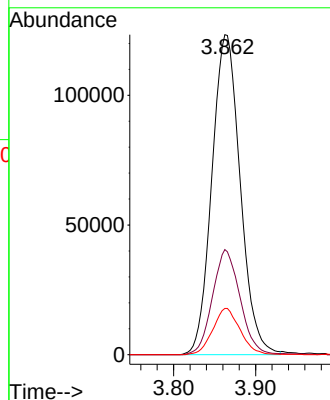
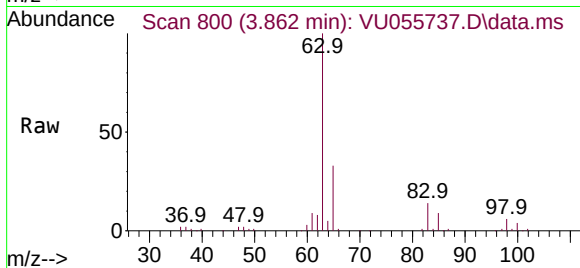
Tgt Ion: 63 Resp: 295969

Ion Ratio Lower Upper

63 100

65 32.9 22.3 41.5

83 14.5 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 46.938 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

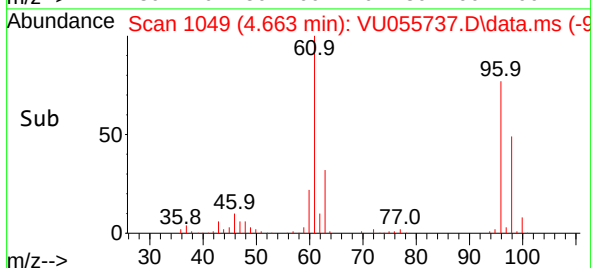
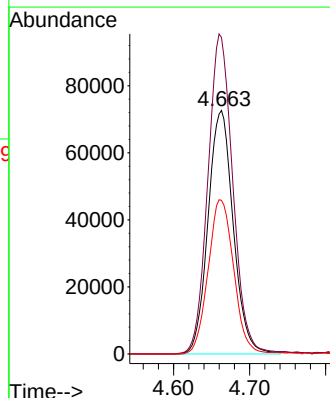
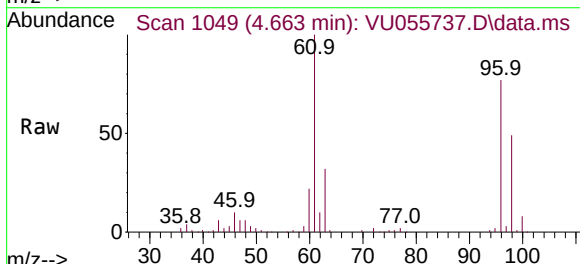
Tgt Ion: 96 Resp: 167505

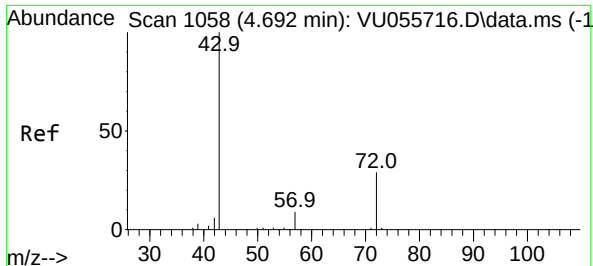
Ion Ratio Lower Upper

96 100

61 130.0 92.3 171.5

98 63.1 43.9 81.5





#22

2-Butanone

Concen: 75.688 ug/L

RT: 4.692 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

Instrument :

MSVOA_U

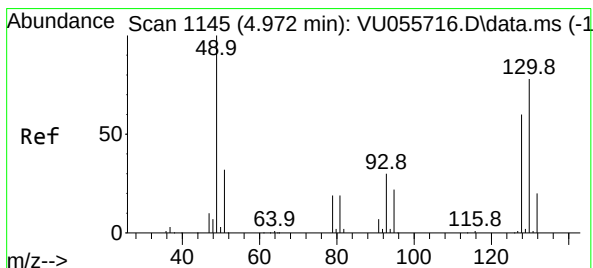
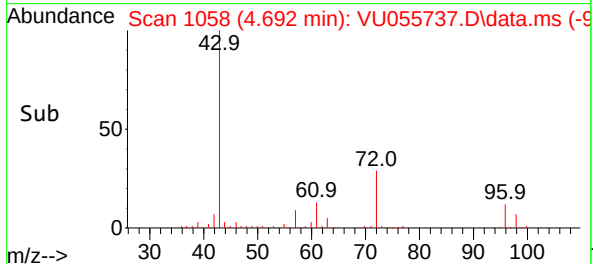
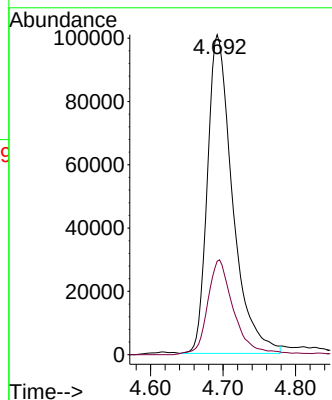
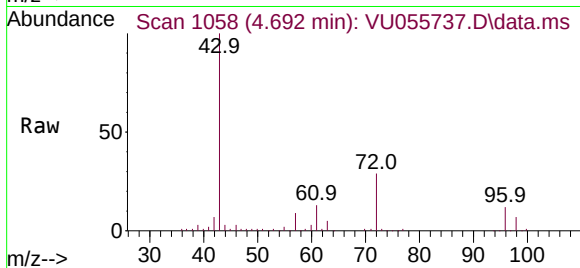
ClientSampleId :

Tgt Ion: 43 Resp: 242695

Ion Ratio Lower Upper

43 100

72 30.1 14.6 44.0



#23

Bromochloromethane

Concen: 47.631 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. -0.003 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

Tgt Ion: 128 Resp: 88031

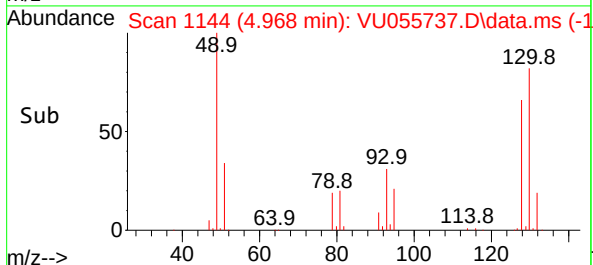
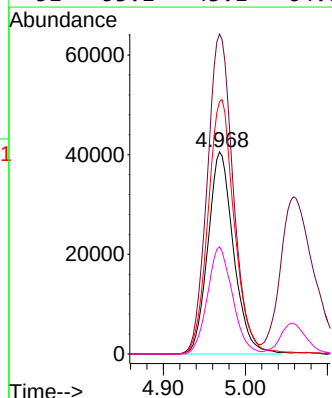
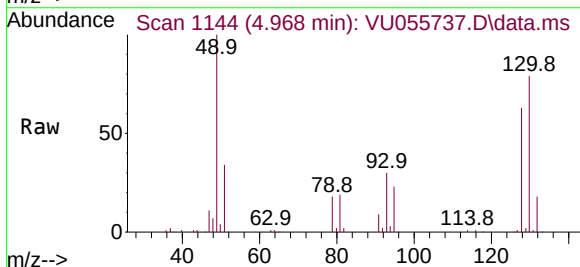
Ion Ratio Lower Upper

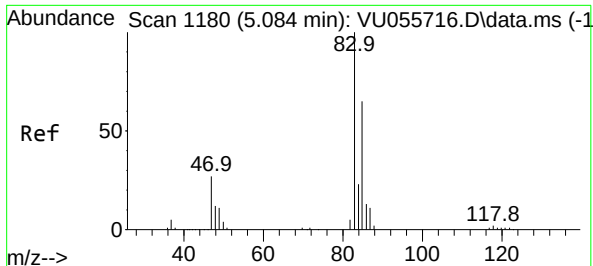
128 100

49 158.4 116.3 216.1

130 125.1 91.6 170.0

51 53.1 43.1 64.7





#25

Chloroform

Concen: 47.362 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

Instrument :

MSVOA_U

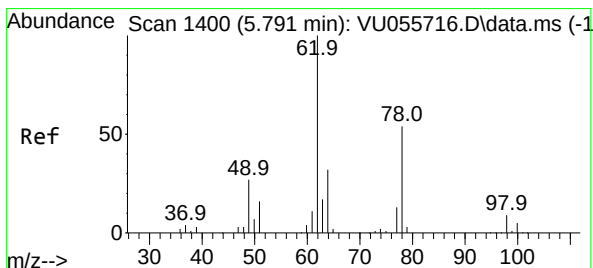
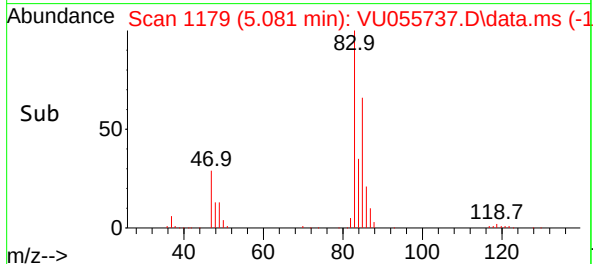
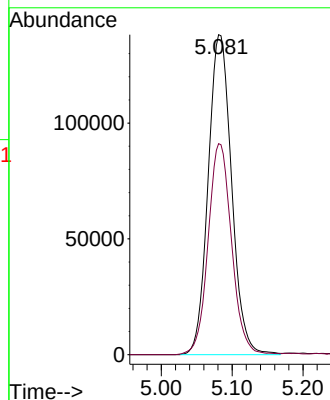
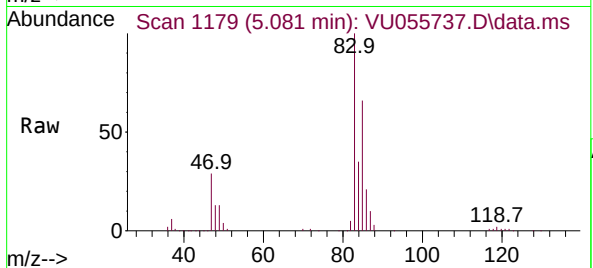
ClientSampleId :

Tgt Ion: 83 Resp: 317255

Ion Ratio Lower Upper

83 100

85 65.9 46.3 86.1



#27

1,2-Dichloroethane

Concen: 47.846 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU055737.D

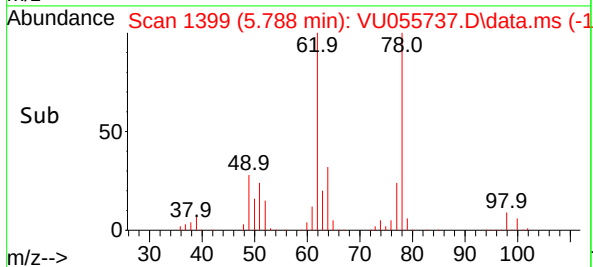
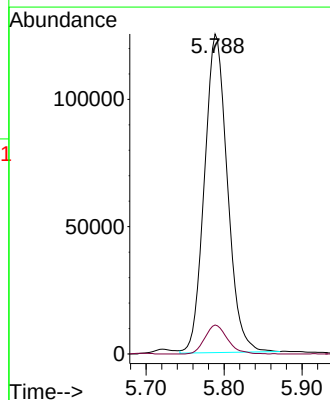
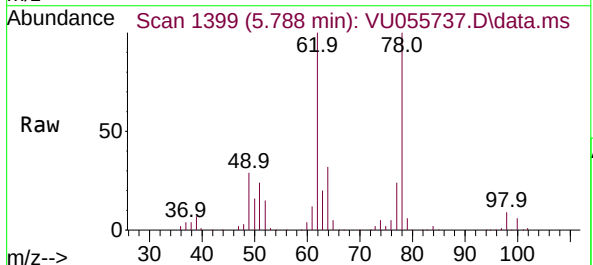
Acq: 11 Oct 2023 09:58

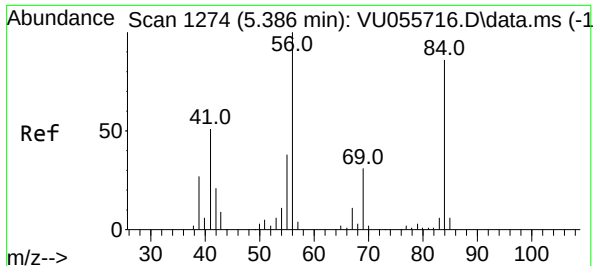
Tgt Ion: 62 Resp: 256339

Ion Ratio Lower Upper

62 100

98 9.1 7.2 10.8





#29

Cyclohexane

Concen: 47.221 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.000 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

Instrument :

MSVOA_U

ClientSampleId :

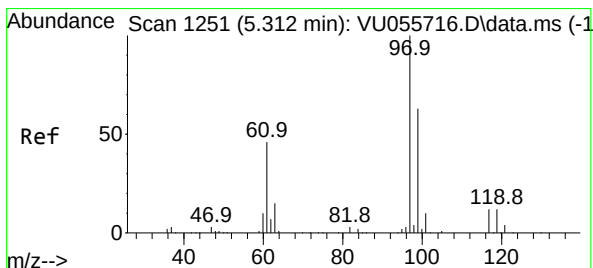
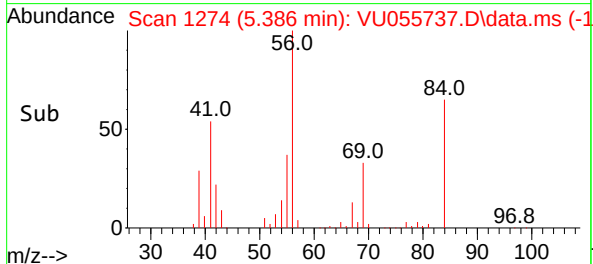
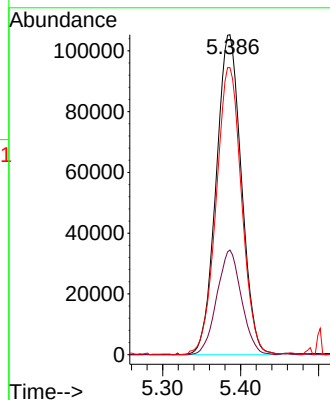
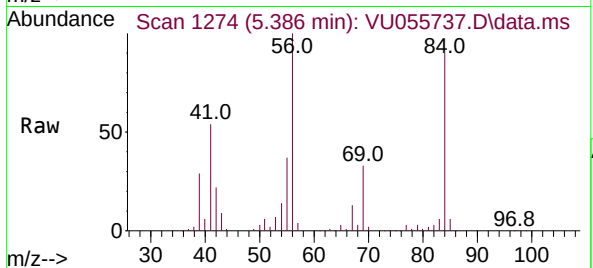
Tgt Ion: 56 Resp: 237065

Ion Ratio Lower Upper

56 100

69 32.0 24.9 37.3

84 90.3 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 47.501 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

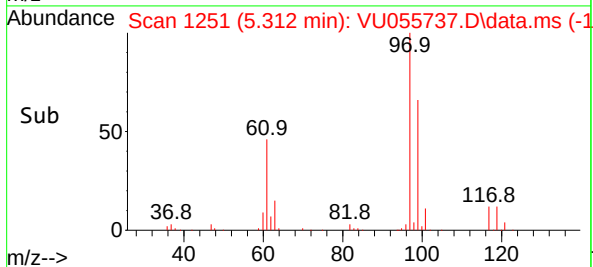
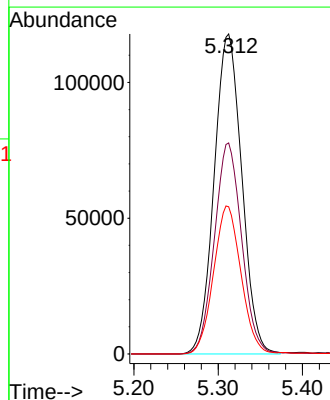
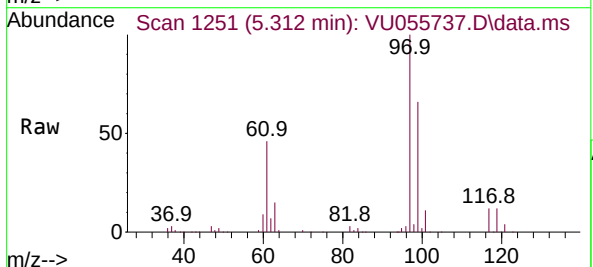
Tgt Ion: 97 Resp: 268792

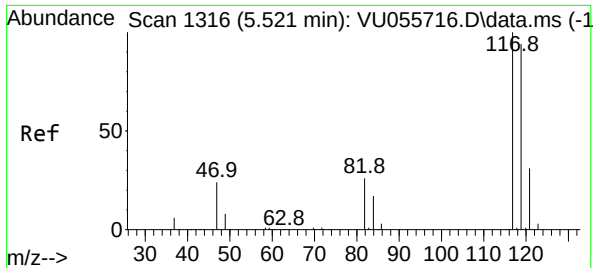
Ion Ratio Lower Upper

97 100

99 65.0 51.6 77.4

61 45.8 36.8 55.2

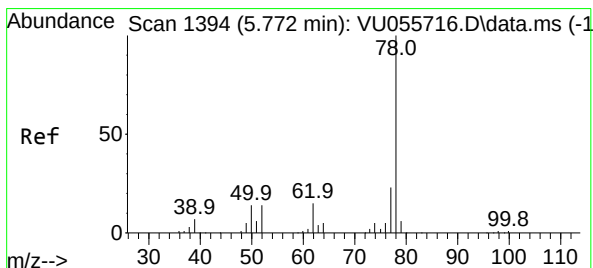
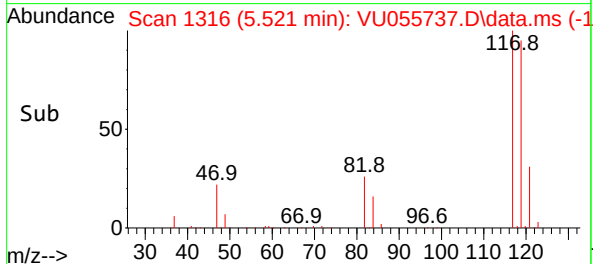
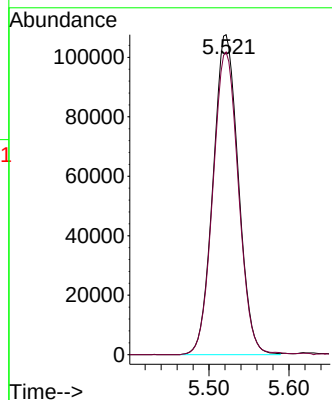
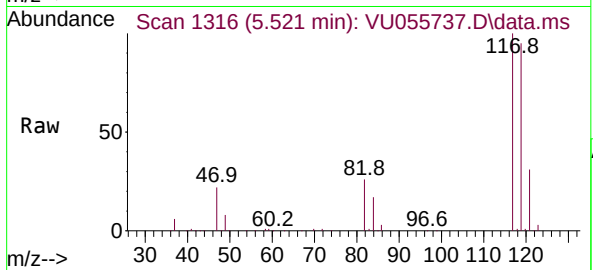




#31
Carbon tetrachloride
Concen: 47.745 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

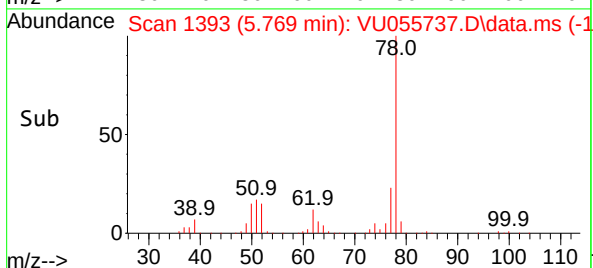
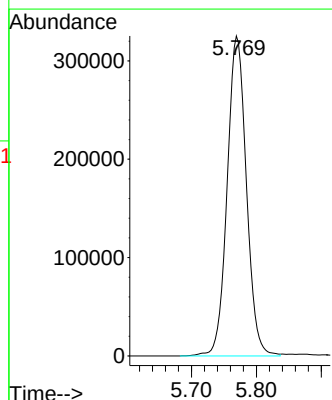
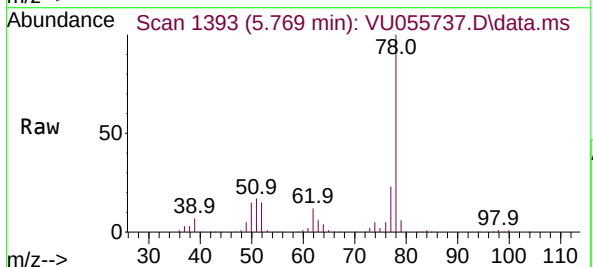
Instrument :
MSVOA_U
ClientSampleId :

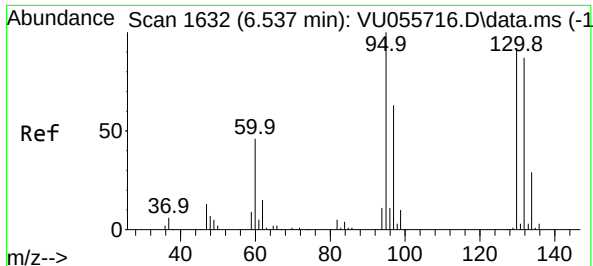
Tgt Ion:117 Resp: 236481
Ion Ratio Lower Upper
117 100
119 95.4 75.4 113.0



#33
Benzene
Concen: 48.295 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

Tgt Ion: 78 Resp: 668648

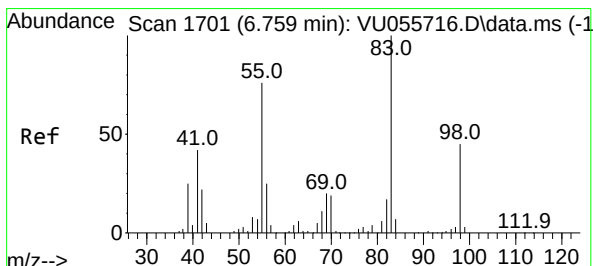
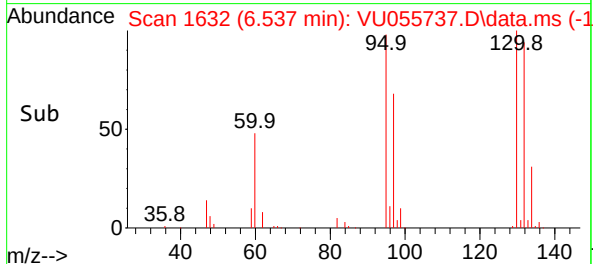
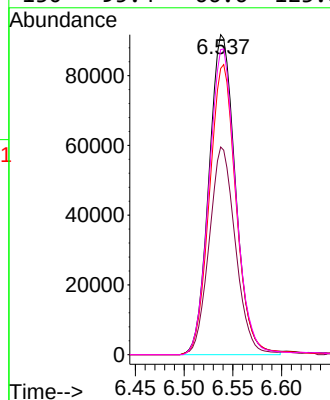
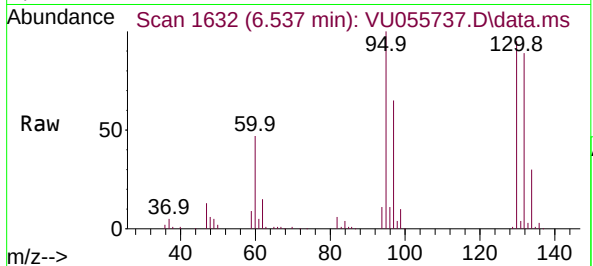




#34
Trichloroethene
Concen: 45.739 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

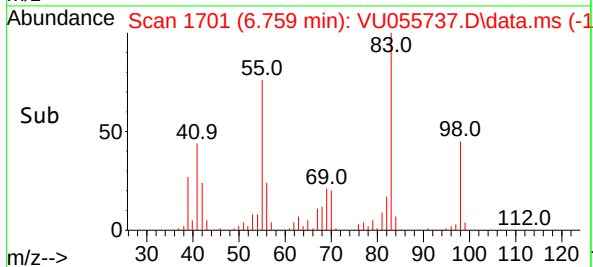
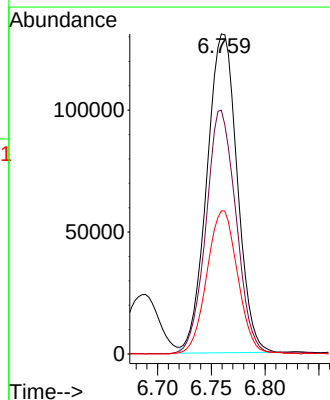
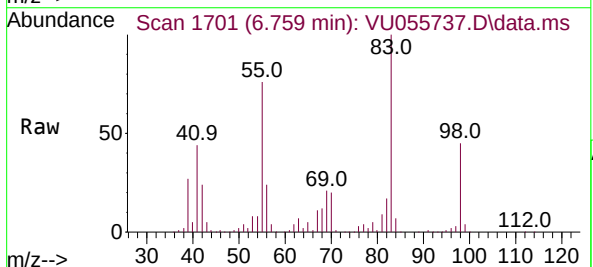
Instrument :
MSVOA_U
ClientSampleId :

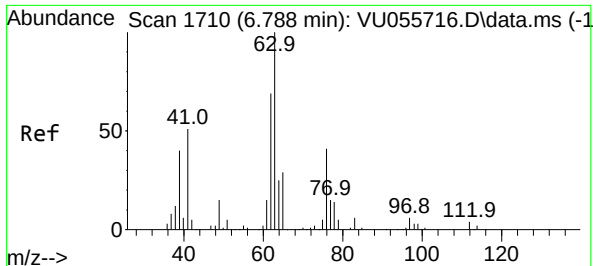
Tgt Ion: 95 Resp: 173272
Ion Ratio Lower Upper
95 100
97 64.9 44.4 82.5
132 89.5 61.8 114.8
130 95.4 66.6 123.8



#35
Methylcyclohexane
Concen: 46.802 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

Tgt Ion: 83 Resp: 257241
Ion Ratio Lower Upper
83 100
55 75.6 61.2 91.8
98 45.5 35.8 53.6





#37

1,2-Dichloropropane

Concen: 47.139 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

Instrument :

MSVOA_U

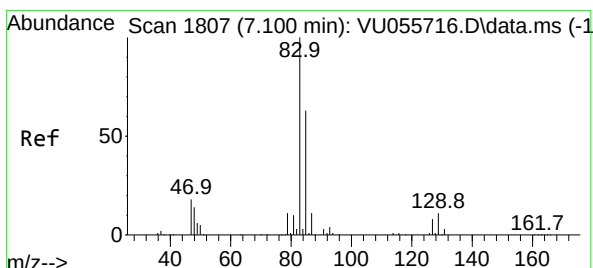
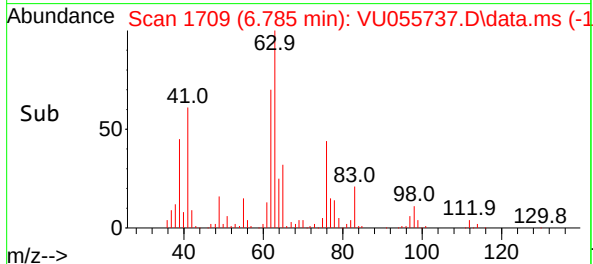
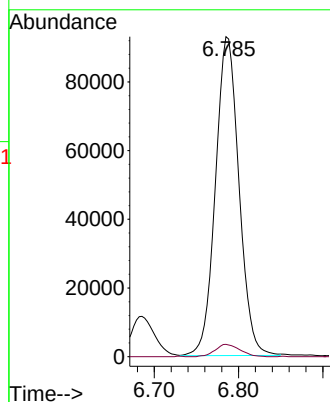
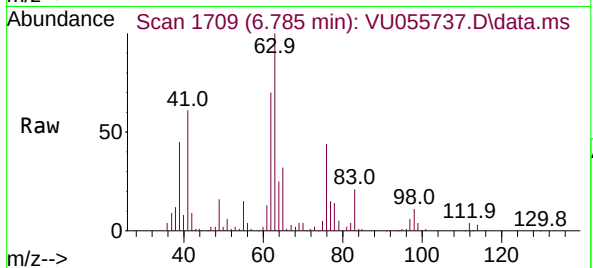
ClientSampleId :

Tgt Ion: 63 Resp: 179717

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.4



#38

Bromodichloromethane

Concen: 46.405 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

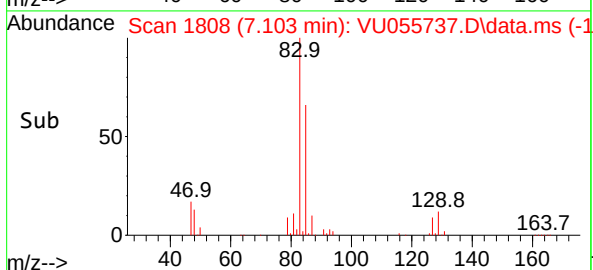
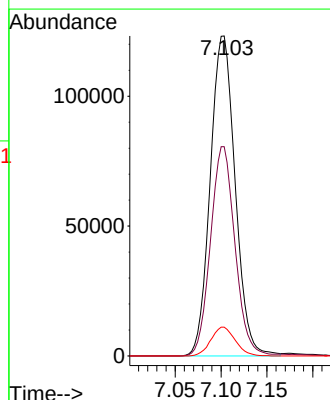
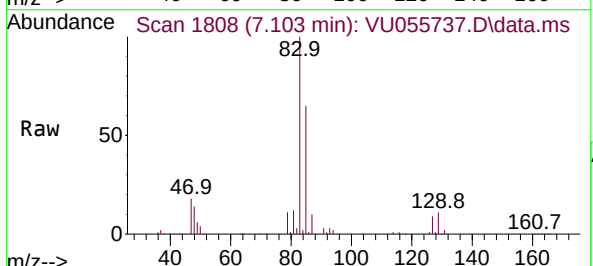
Tgt Ion: 83 Resp: 233309

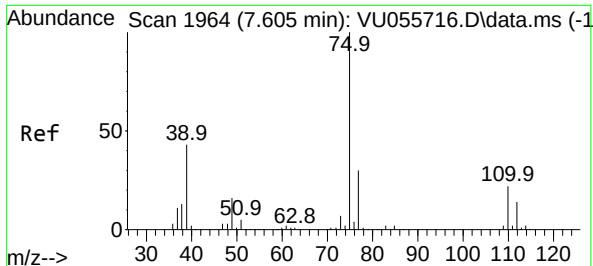
Ion Ratio Lower Upper

83 100

85 65.4 46.0 85.4

127 9.0 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 43.332 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

Instrument :

MSVOA_U

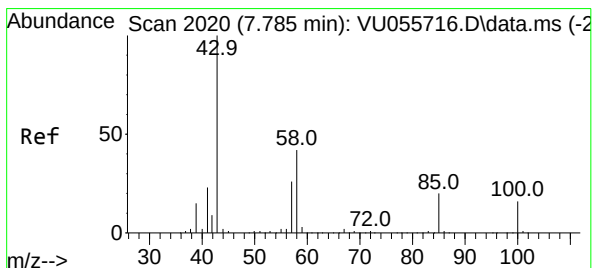
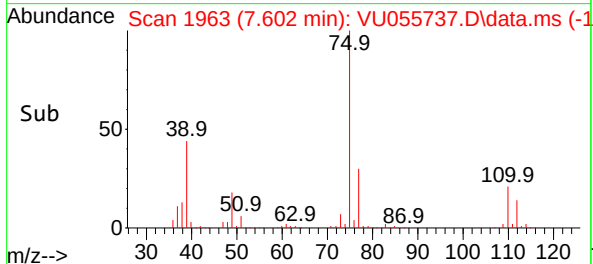
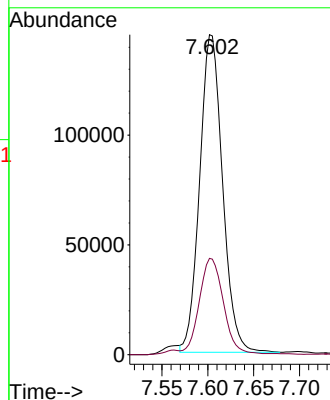
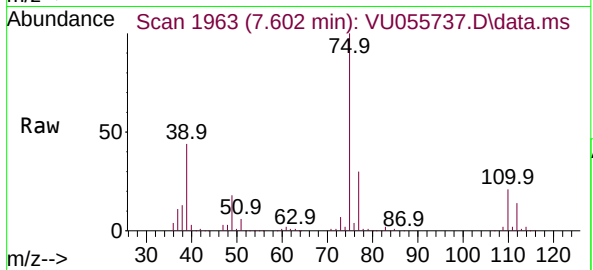
ClientSampleId :

Tgt Ion: 75 Resp: 251330

Ion Ratio Lower Upper

75 100

77 30.1 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 93.763 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

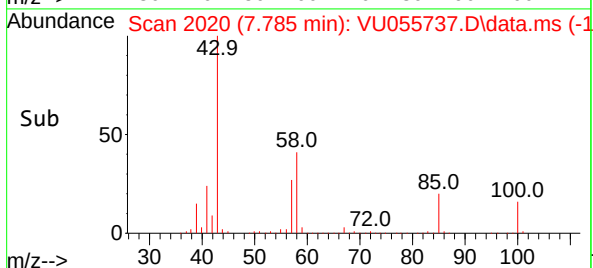
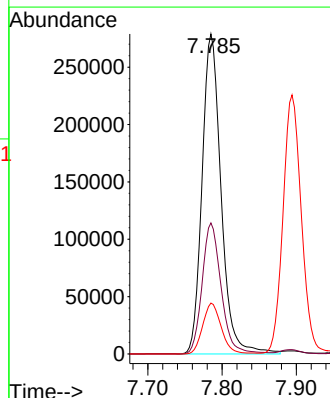
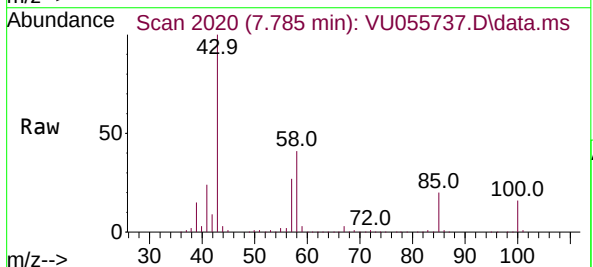
Tgt Ion: 43 Resp: 497301

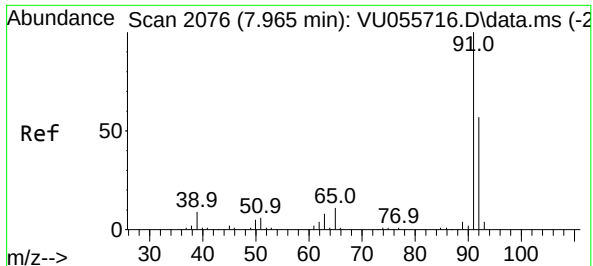
Ion Ratio Lower Upper

43 100

58 40.9 32.3 48.5

100 15.4 12.0 18.0





#42

Toluene

Concen: 48.936 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

Instrument :

MSVOA_U

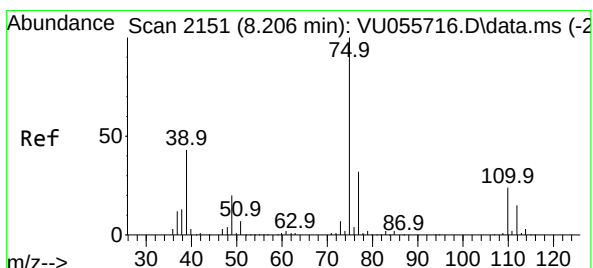
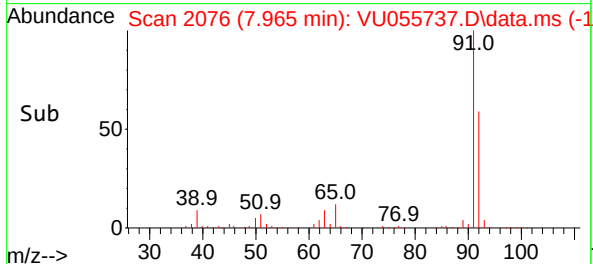
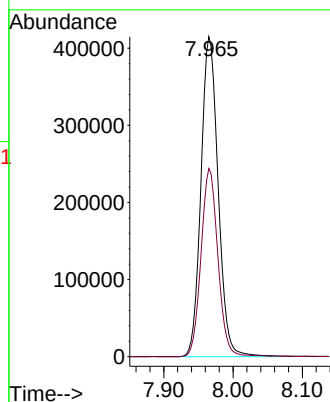
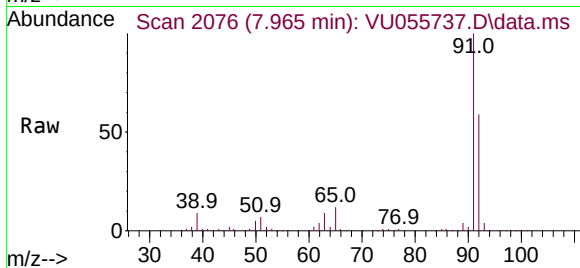
ClientSampleId :

Tgt Ion: 91 Resp: 714919

Ion Ratio Lower Upper

91 100

92 58.8 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 43.761 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055737.D

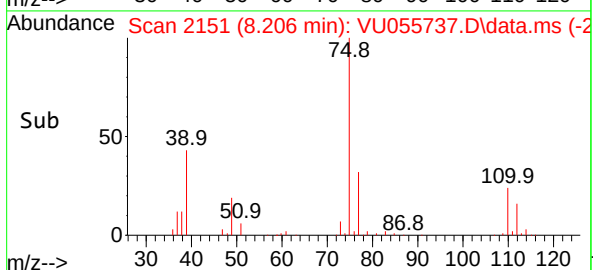
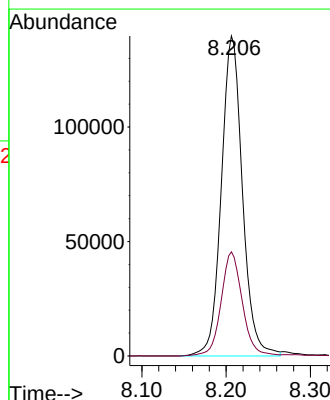
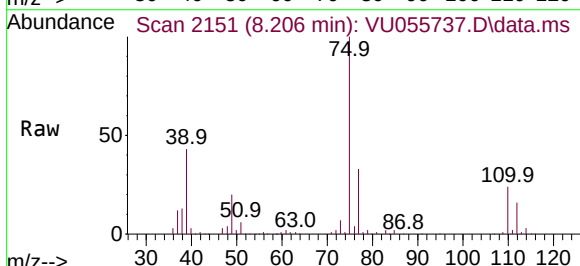
Acq: 11 Oct 2023 09:58

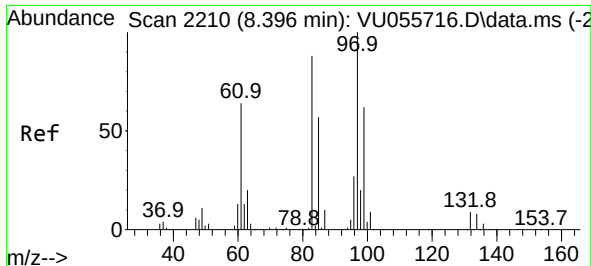
Tgt Ion: 75 Resp: 242856

Ion Ratio Lower Upper

75 100

77 32.6 21.6 40.2

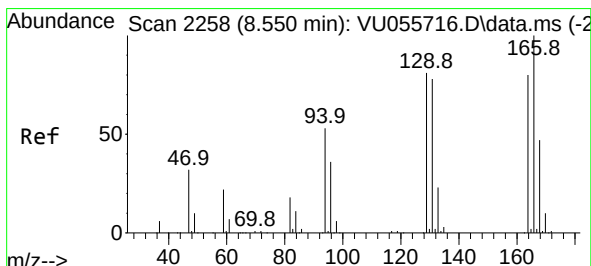
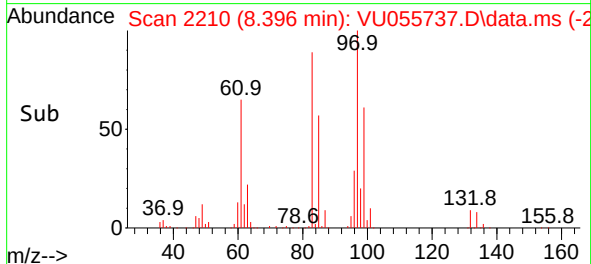
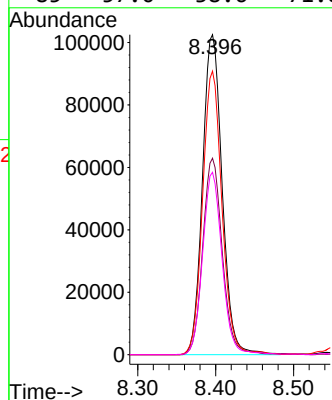
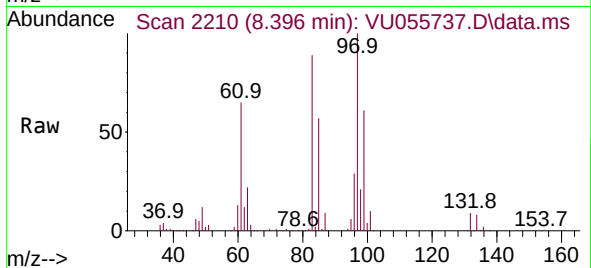




#45
1,1,2-Trichloroethane
Concen: 47.856 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

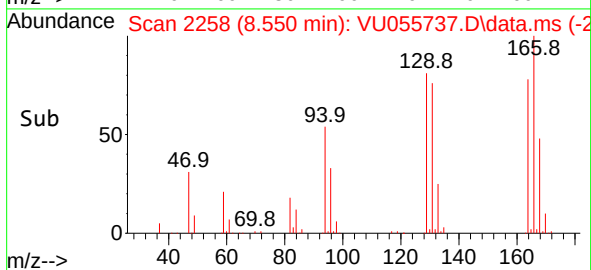
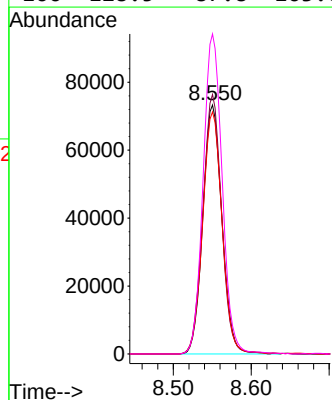
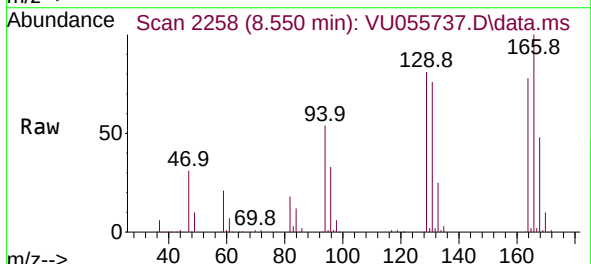
Instrument :
MSVOA_U
ClientSampleId :

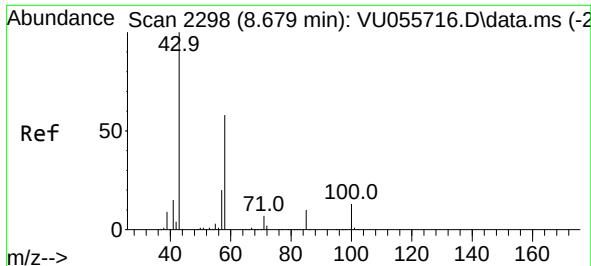
Tgt Ion:	97	Resp:	179905
Ion	Ratio	Lower	Upper
97	100		
99	61.4	44.4	82.5
83	88.6	60.4	112.2
85	57.0	38.6	71.8



#46
Tetrachloroethene
Concen: 46.086 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

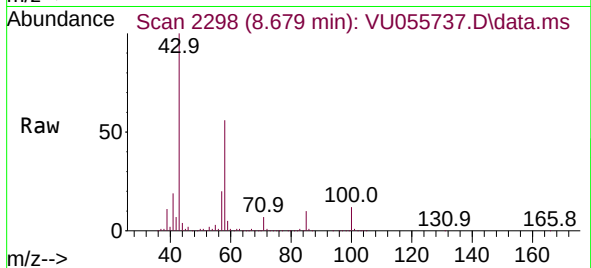
Tgt Ion:	164	Resp:	125000
Ion	Ratio	Lower	Upper
164	100		
129	104.2	70.7	131.3
131	97.2	65.9	122.5
166	128.5	87.8	163.0





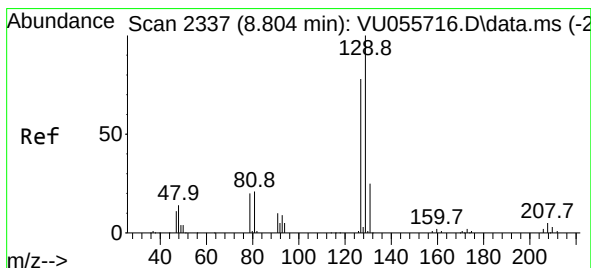
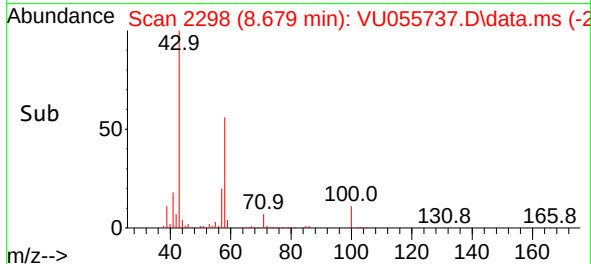
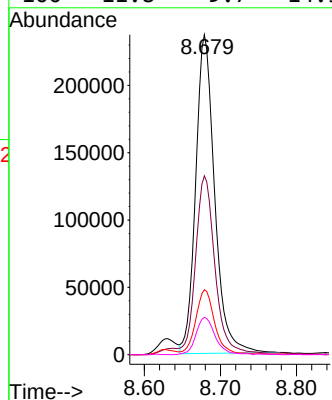
#48
2-Hexanone
Concen: 91.739 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 410986

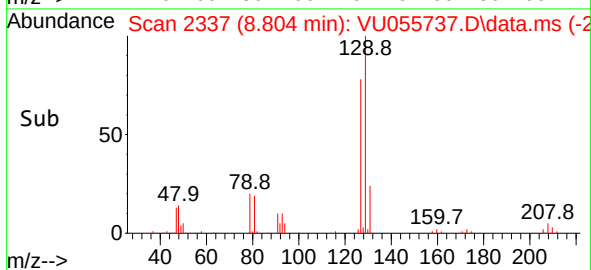
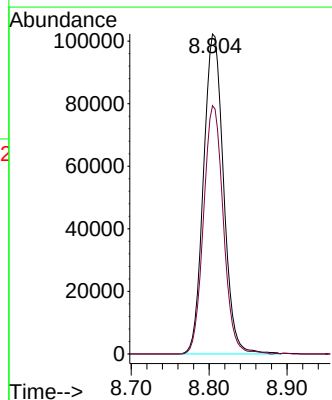
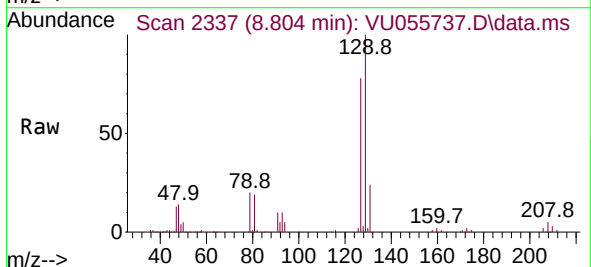
Ion	Ratio	Lower	Upper
43	100		
58	56.2	45.2	67.8
57	20.1	16.1	24.1
100	11.8	9.7	14.5

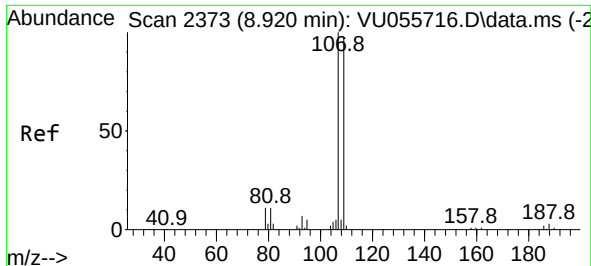


#49
Dibromochloromethane
Concen: 47.540 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

Tgt Ion: 129 Resp: 182607

Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.0	100.4

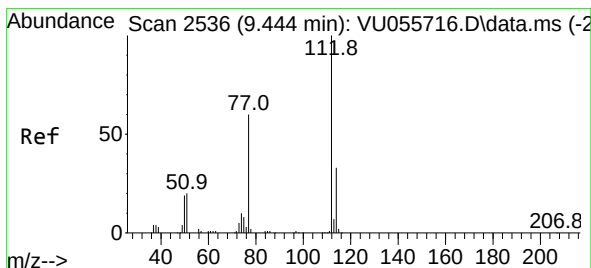
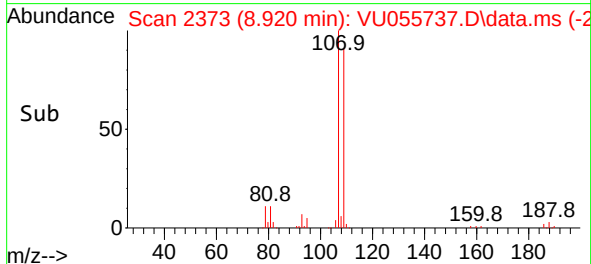
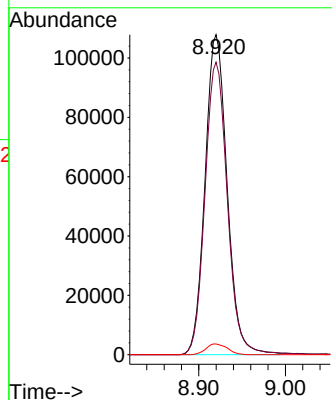
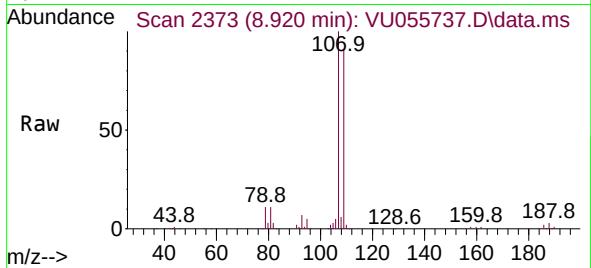




#50
1,2-Dibromoethane
Concen: 47.352 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

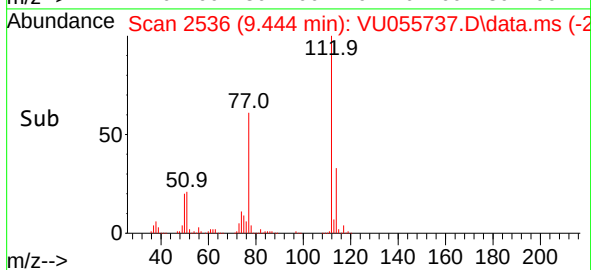
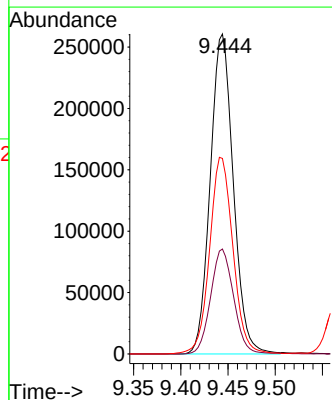
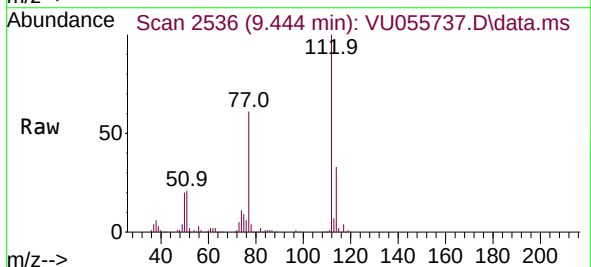
Instrument :
MSVOA_U
ClientSampleId :

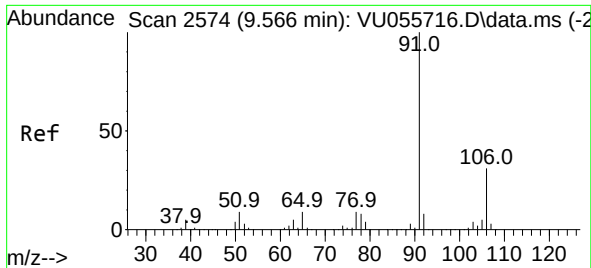
Tgt Ion:107 Resp: 191198
Ion Ratio Lower Upper
107 100
109 91.4 66.7 123.9
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 46.801 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

Tgt Ion:112 Resp: 442372
Ion Ratio Lower Upper
112 100
114 32.8 22.0 40.8
77 61.1 49.0 73.6

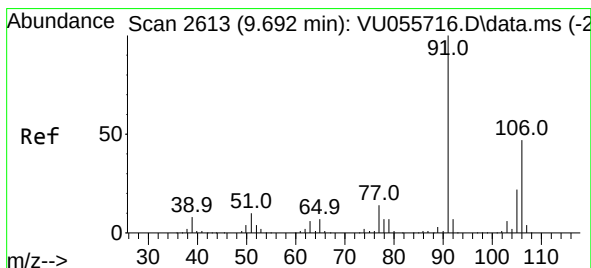
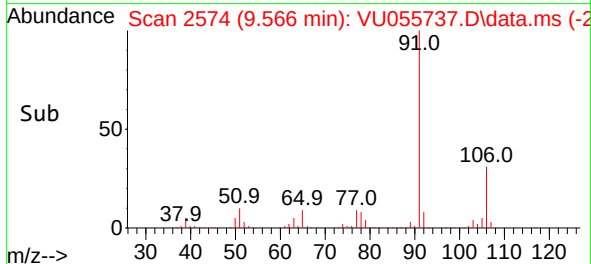
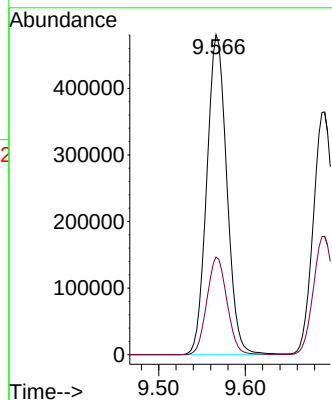
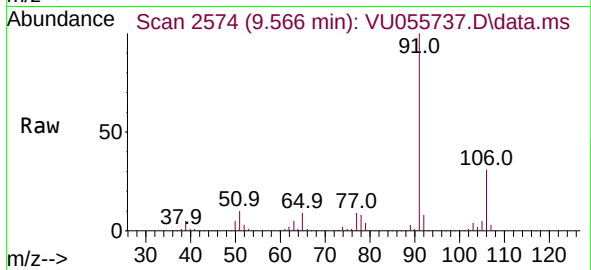




#52
Ethylbenzene
Concen: 48.324 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

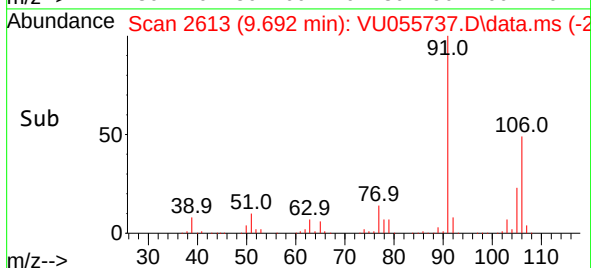
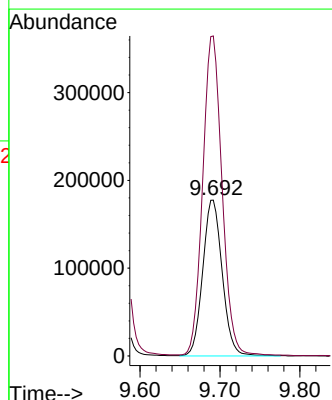
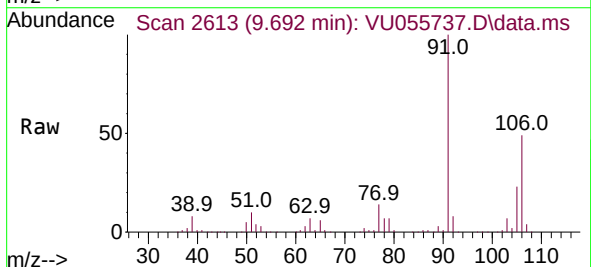
Instrument :
MSVOA_U
ClientSampleId :

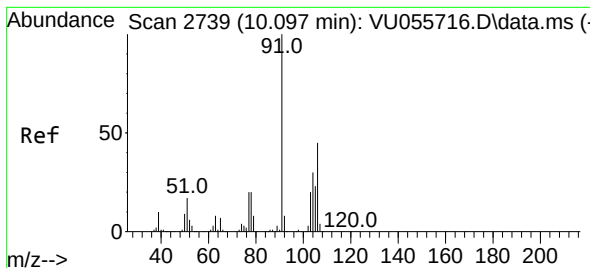
Tgt Ion: 91 Resp: 771826
Ion Ratio Lower Upper
91 100
106 30.5 21.2 39.4



#53
m,p-Xylene
Concen: 50.284 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

Tgt Ion: 106 Resp: 300885
Ion Ratio Lower Upper
106 100
91 205.3 143.8 267.0





#54

o-Xylene

Concen: 49.813 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.000 min

Lab File: VU055737.D

Acq: 11 Oct 2023 09:58

Instrument :

MSVOA_U

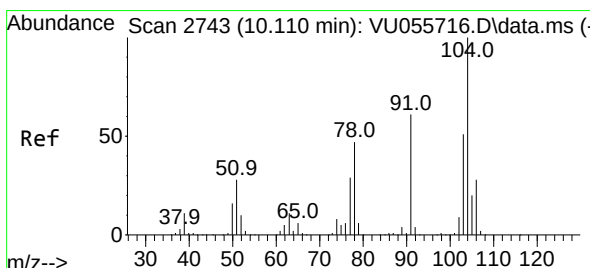
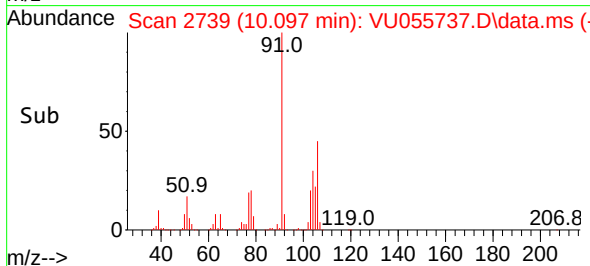
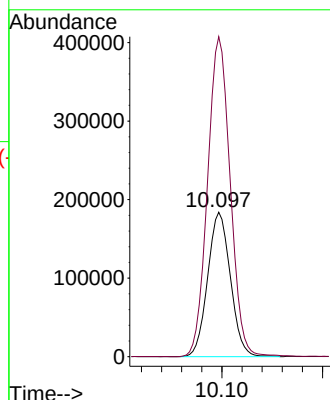
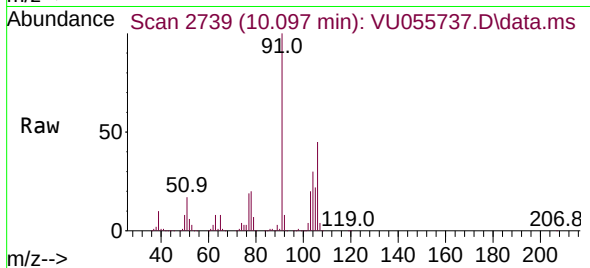
ClientSampleId :

Tgt Ion:106 Resp: 288434

Ion Ratio Lower Upper

106 100

91 221.5 151.8 282.0



#55

Styrene

Concen: 51.151 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU055737.D

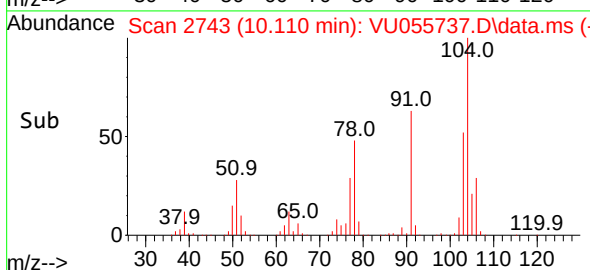
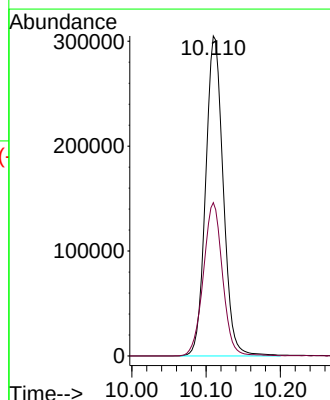
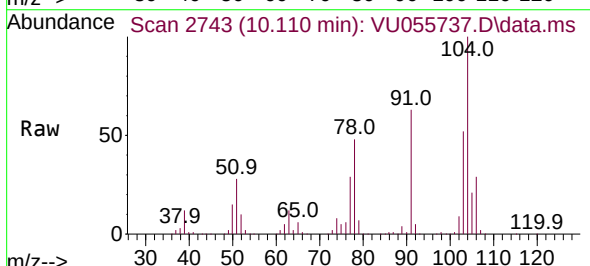
Acq: 11 Oct 2023 09:58

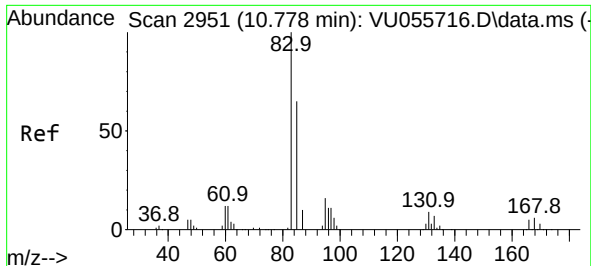
Tgt Ion:104 Resp: 501750

Ion Ratio Lower Upper

104 100

78 47.9 33.6 62.4

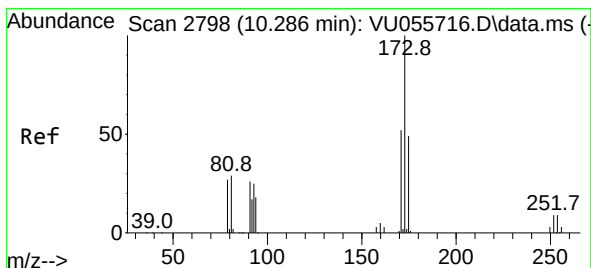
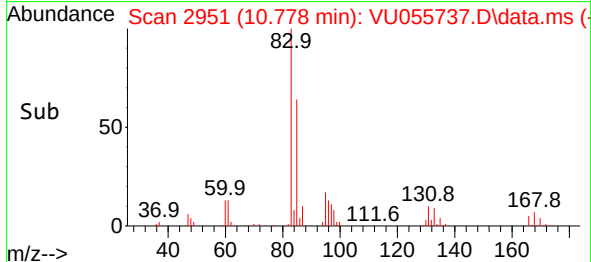
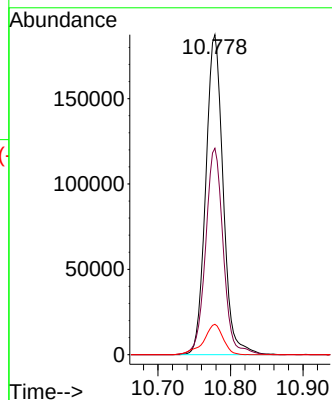
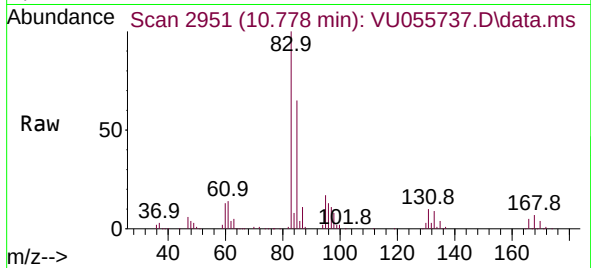




#57
1,1,2,2-Tetrachloroethane
Concen: 48.408 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

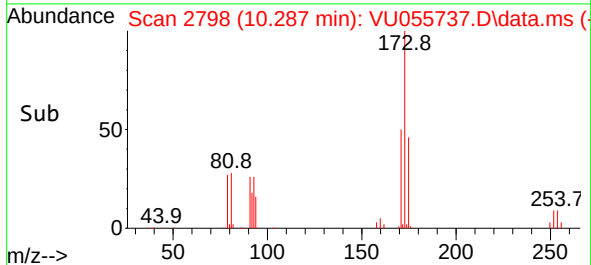
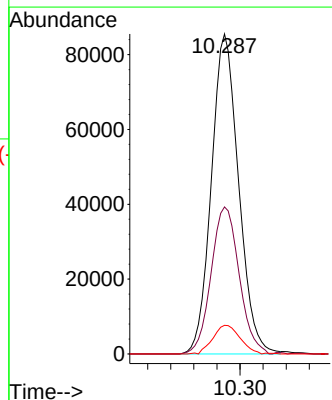
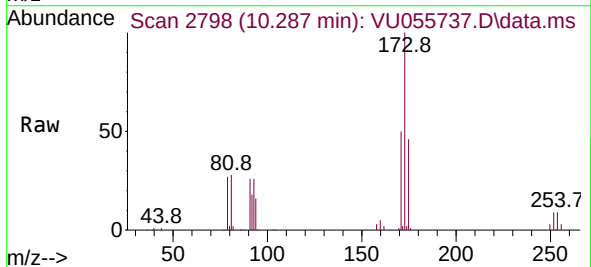
Instrument :
MSVOA_U
ClientSampleId :

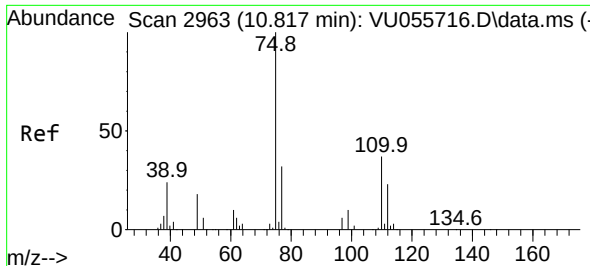
Tgt Ion: 83 Resp: 311598
Ion Ratio Lower Upper
83 100
85 64.5 44.9 83.5
131 9.5 7.3 10.9



#59
Bromoform
Concen: 47.379 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

Tgt Ion:173 Resp: 140046
Ion Ratio Lower Upper
173 100
175 47.3 40.4 60.6
254 8.9 7.3 10.9

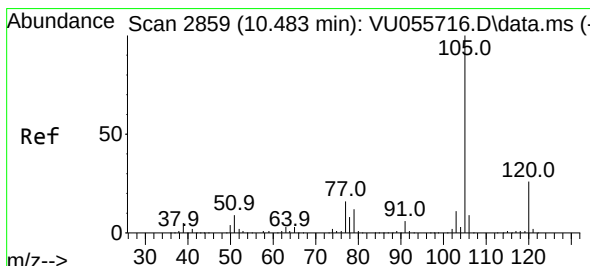
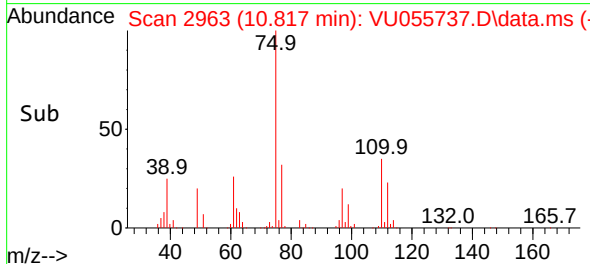
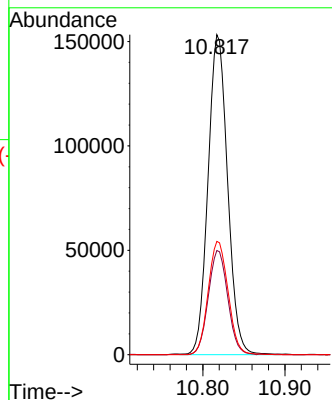
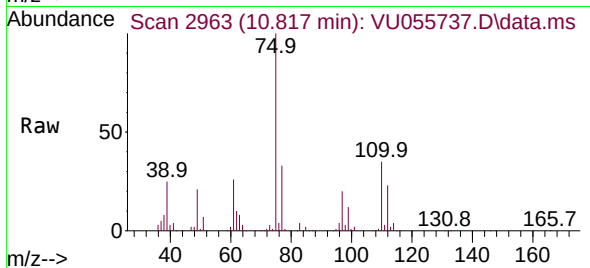




#60
1,2,3-Trichloropropane
Concen: 48.683 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

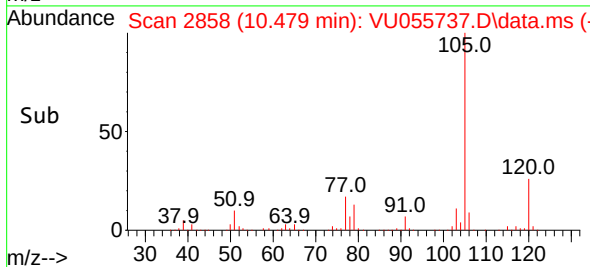
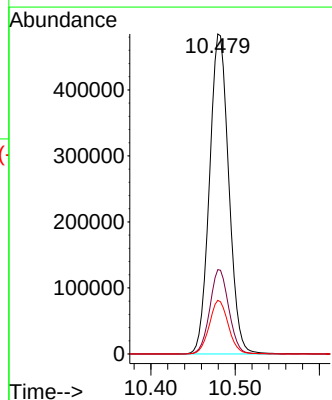
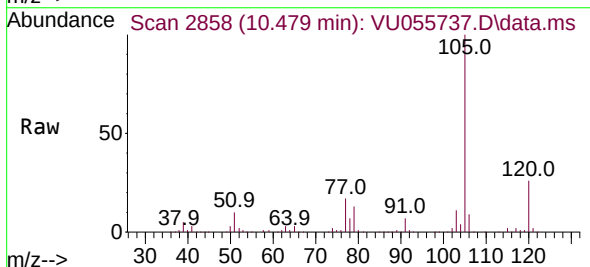
Instrument :
MSVOA_U
ClientSampleId :

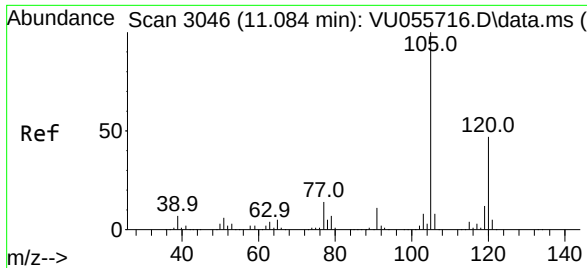
Tgt Ion: 75 Resp: 253699
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.8
110 36.0 28.5 42.7



#61
Isopropylbenzene
Concen: 51.432 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

Tgt Ion: 105 Resp: 769899
Ion Ratio Lower Upper
105 100
120 26.0 20.6 30.8
77 16.5 13.4 20.0

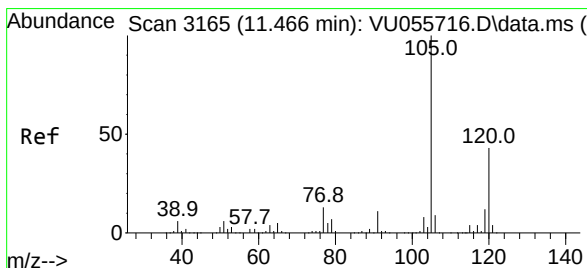
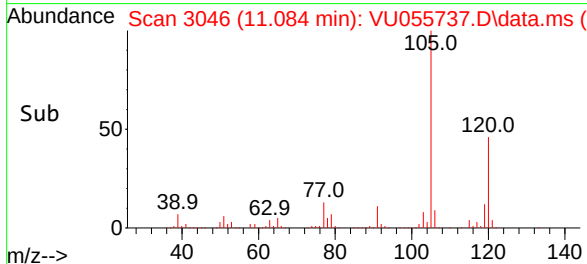
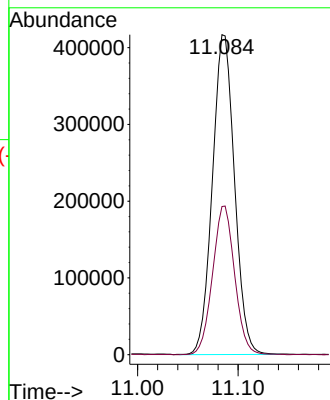
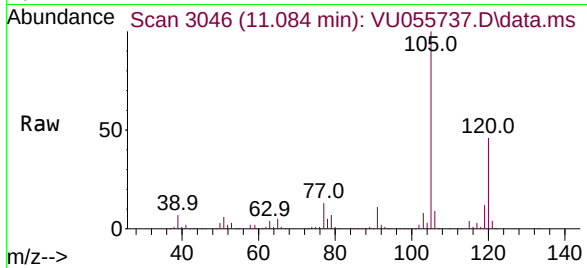




#62
 1,3,5-Trimethylbenzene
 Concen: 52.598 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU055737.D
 Acq: 11 Oct 2023 09:58

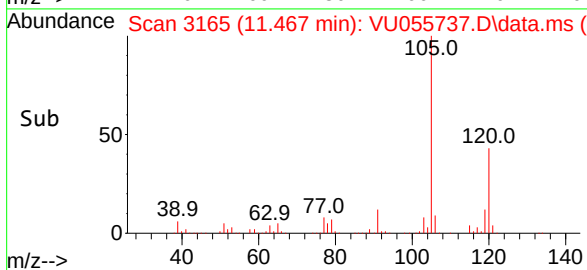
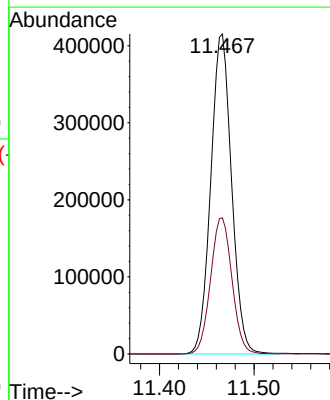
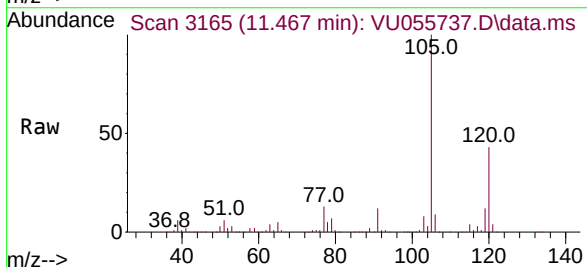
Instrument :
 MSVOA_U
 ClientSampleId :

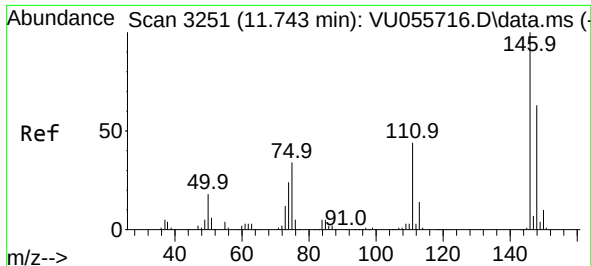
Tgt Ion:105 Resp: 637090
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 52.994 ug/L
 RT: 11.467 min Scan# 3165
 Delta R.T. 0.000 min
 Lab File: VU055737.D
 Acq: 11 Oct 2023 09:58

Tgt Ion:105 Resp: 634712
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.0 52.4

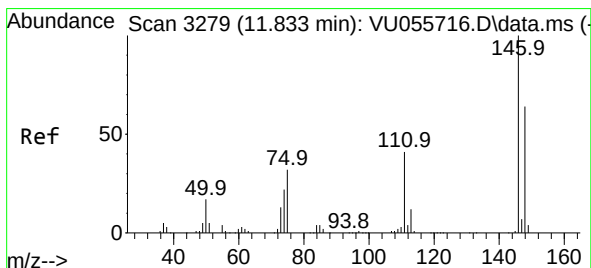
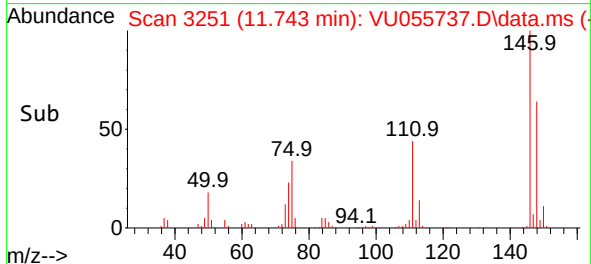
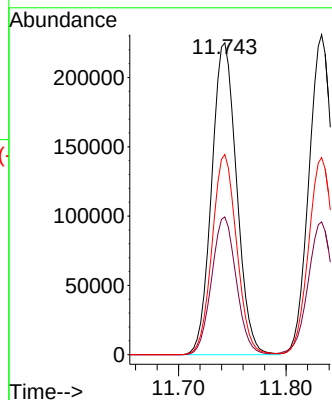
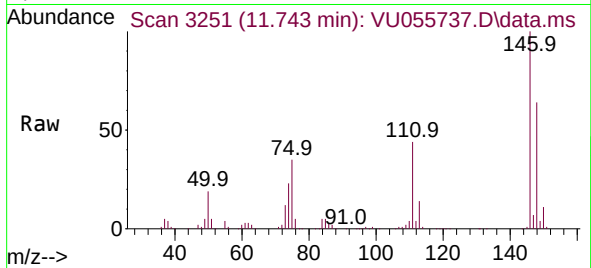




#64
1,3-Dichlorobenzene
Concen: 49.090 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

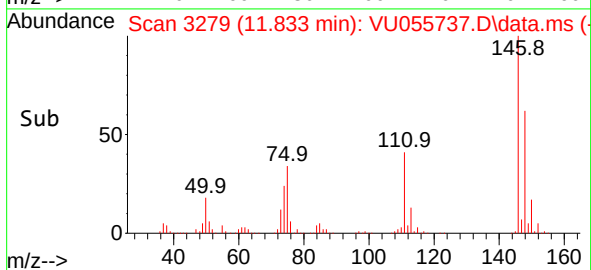
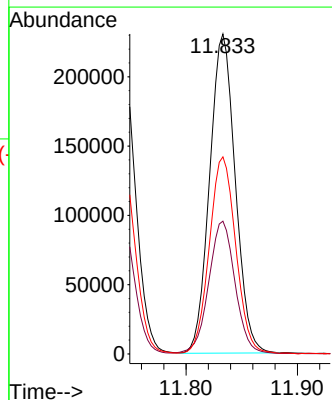
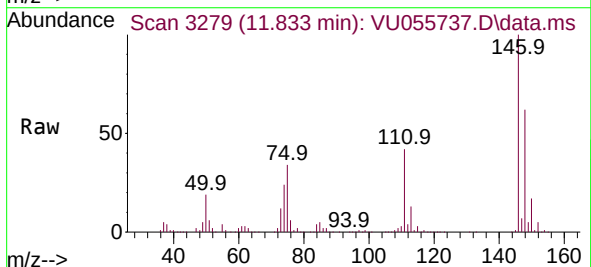
Instrument :
MSVOA_U
ClientSampleId :

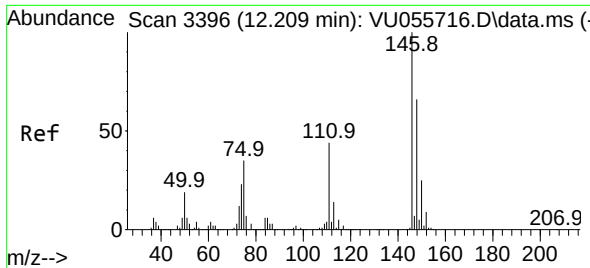
Tgt Ion:146 Resp: 363259
Ion Ratio Lower Upper
146 100
111 44.2 29.7 55.1
148 64.2 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 48.422 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

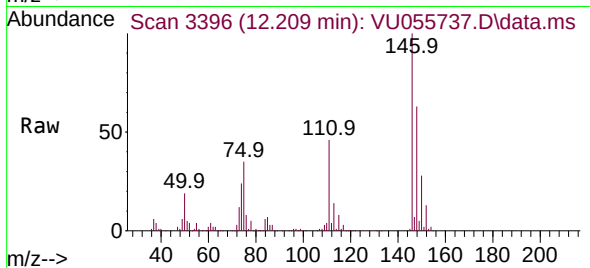
Tgt Ion:146 Resp: 368398
Ion Ratio Lower Upper
146 100
111 41.5 28.6 53.0
148 61.6 44.2 82.0



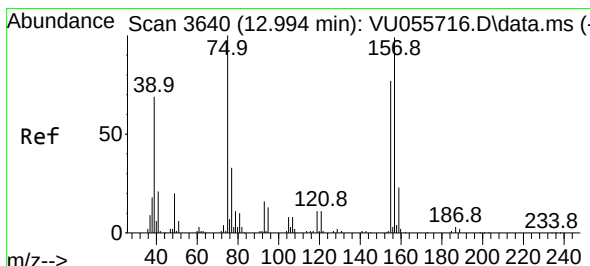
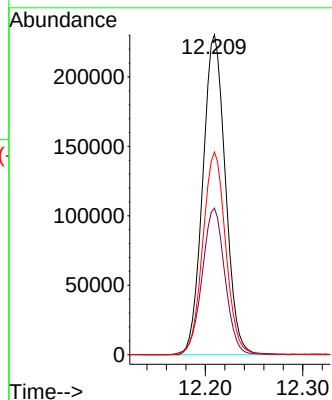
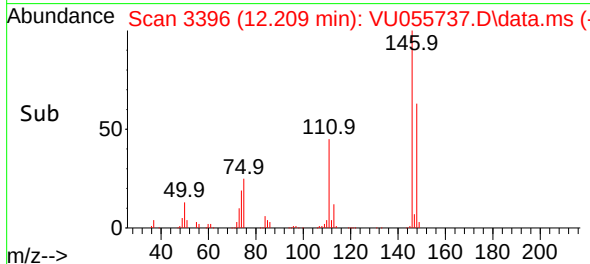


#67
1,2-Dichlorobenzene
Concen: 50.548 ug/L
RT: 12.209 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

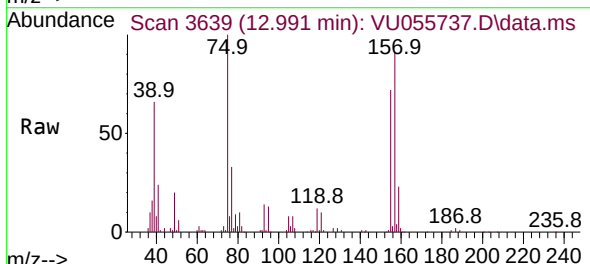
Instrument :
MSVOA_U
ClientSampleId :



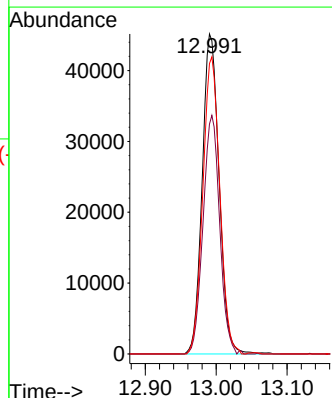
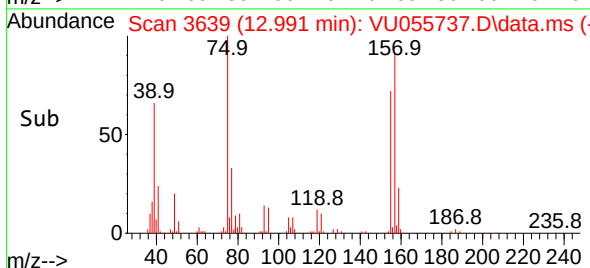
Tgt Ion:146 Resp: 371198
Ion Ratio Lower Upper
146 100
111 45.8 35.2 52.8
148 63.3 52.3 78.5

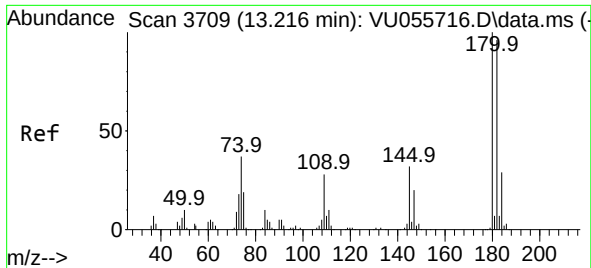


#68
1,2-Dibromo-3-chloropropane
Concen: 47.998 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. -0.003 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58



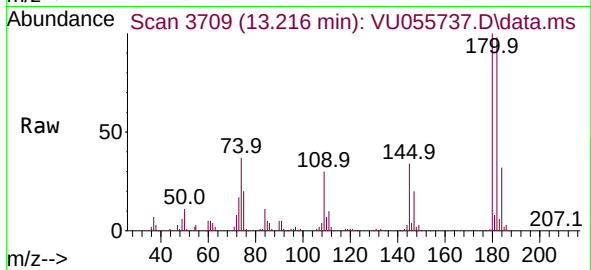
Tgt Ion: 75 Resp: 74780
Ion Ratio Lower Upper
75 100
155 75.3 59.6 89.4
157 94.7 77.7 116.5



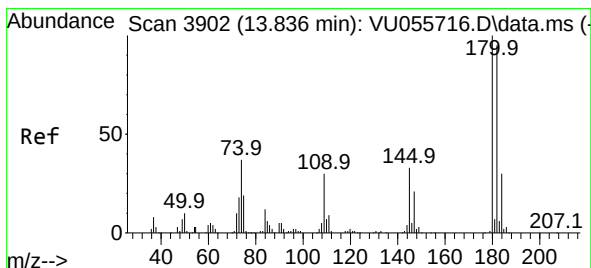
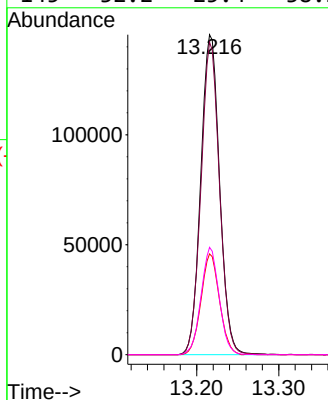
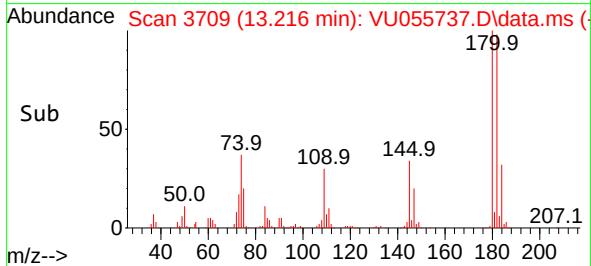


#69
 1,3,5-Trichlorobenzene
 Concen: 46.940 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU055737.D
 Acq: 11 Oct 2023 09:58

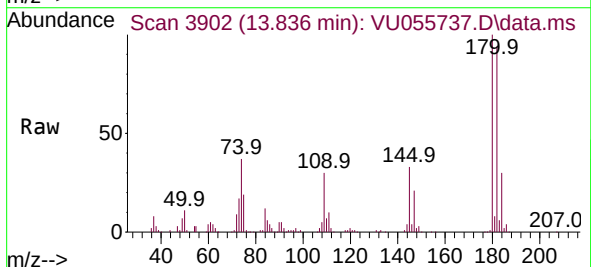
Instrument :
 MSVOA_U
 ClientSampleId :



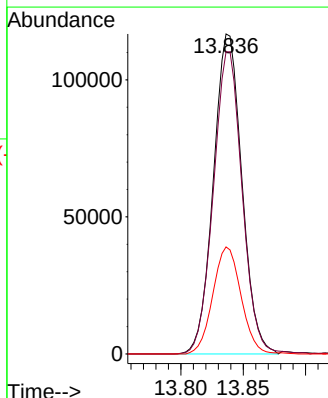
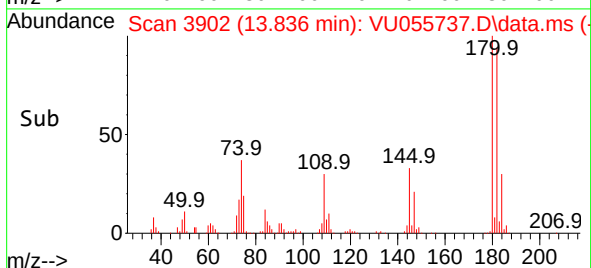
Tgt Ion:180 Resp: 231693
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.2 114.2
 184 30.9 23.9 35.9
 145 32.2 25.4 38.2

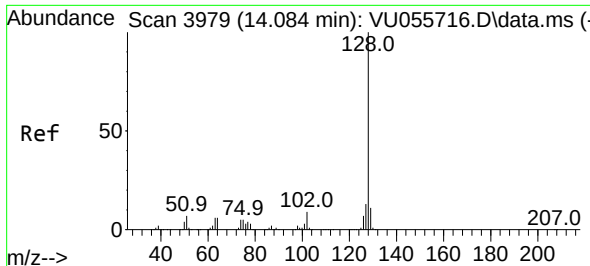


#70
 1,2,4-trichlorobenzene
 Concen: 45.147 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU055737.D
 Acq: 11 Oct 2023 09:58



Tgt Ion:180 Resp: 185617
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.4 113.2
 145 33.1 26.1 39.1

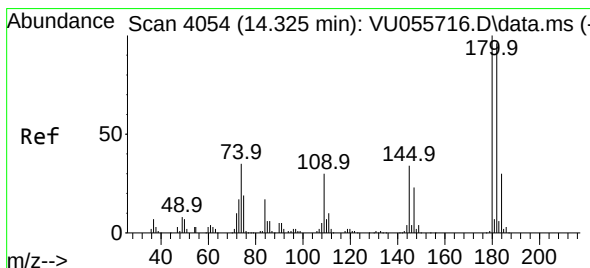
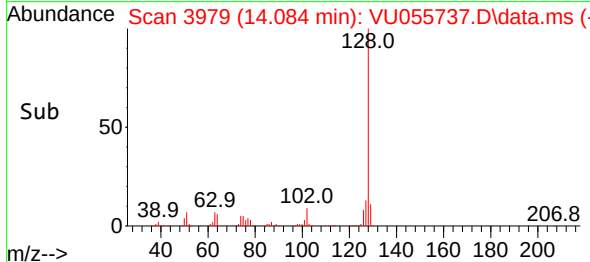
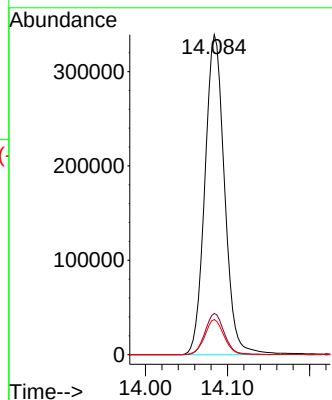
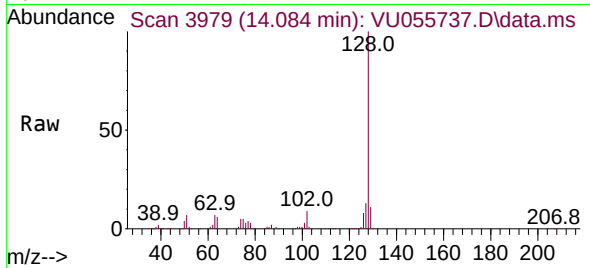




#71
Naphthalene
Concen: 46.062 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 562553
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 46.369 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU055737.D
Acq: 11 Oct 2023 09:58

Tgt Ion:180 Resp: 187958
Ion Ratio Lower Upper
180 100
182 96.2 78.1 117.1
145 35.2 27.4 41.0

