

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055738.D
 Acq On : 11 Oct 2023 10:26
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 12 01:51:32 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	449939	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	449136	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	245921	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	176662	43.774	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.540%
7) Chloroethane-d5	1.908	69	150382	45.585	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.180%
11) 1,1-Dichloroethene-d2	2.567	63	326865	45.423	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.840%
21) 2-Butanone-d5	4.612	46	285701	95.538	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.540%
24) Chloroform-d	5.059	84	364257	47.080	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.160%
26) 1,2-Dichloroethane-d4	5.698	65	232216	48.762	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.520%
32) Benzene-d6	5.721	84	709911	49.401	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	6.685	67	219552	48.260	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.520%
41) Toluene-d8	7.894	98	647094	49.869	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.740%
43) trans-1,3-Dichloroprop...	8.177	79	108336	49.574	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.140%
47) 2-Hexanone-d5	8.627	63	183659	102.691	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.690%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	347675	49.650	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.300%
66) 1,2-Dichlorobenzene-d4	12.190	152	248886	51.000	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	178387	47.616	ug/L	100
3) Chloromethane	1.518	50	167249	47.180	ug/L	98
5) Vinyl chloride	1.602	62	181862	46.617	ug/L	100
6) Bromomethane	1.850	94	118692	47.592	ug/L	95
8) Chloroethane	1.930	64	119624	46.747	ug/L	97
9) Trichlorofluoromethane	2.136	101	271075	48.633	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	171183	47.755	ug/L	99
12) 1,1-Dichloroethene	2.576	96	148457	46.541	ug/L	93
13) Acetone	2.618	43	266678	96.097	ug/L	99
14) Carbon disulfide	2.792	76	420111	43.279	ug/L	98
15) Methyl Acetate	2.940	43	197008	46.355	ug/L	97
16) Methylene chloride	3.043	84	179506	46.405	ug/L	96
17) trans-1,2-Dichloroethene	3.351	96	151231	46.365	ug/L	98
18) Methyl tert-butyl Ether	3.358	73	519584	49.532	ug/L	100
19) 1,1-Dichloroethane	3.862	63	312797	46.763	ug/L	99
20) cis-1,2-Dichloroethene	4.663	96	181513	48.759	ug/L	97
22) 2-Butanone	4.692	43	312779	93.510	ug/L	100
23) Bromochloromethane	4.968	128	92077	47.759	ug/L	96
25) Chloroform	5.084	83	329643	47.176	ug/L	99

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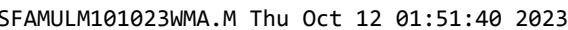
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 ClientSampleId :

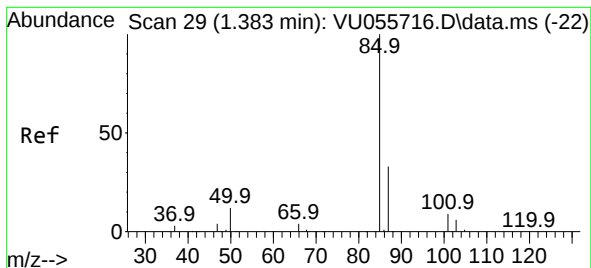
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	275786	49.347	ug/L	99
29) Cyclohexane	5.383	56	263650	51.213	ug/L	100
30) 1,1,1-Trichloroethane	5.313	97	291430	50.224	ug/L	99
31) Carbon tetrachloride	5.522	117	251507	49.518	ug/L	98
33) Benzene	5.769	78	707916	49.862	ug/L	100
34) Trichloroethene	6.538	95	188688	48.572	ug/L	99
35) Methylcyclohexane	6.759	83	294427	52.238	ug/L	99
37) 1,2-Dichloropropane	6.785	63	189823	48.554	ug/L	99
38) Bromodichloromethane	7.100	83	251769	48.834	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	295482	49.679	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	536895	98.715	ug/L	98
42) Toluene	7.965	91	761677	50.843	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	282078	49.567	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	189179	49.074	ug/L	99
46) Tetrachloroethene	8.550	164	136903	49.222	ug/L	97
48) 2-Hexanone	8.679	43	475668	103.542	ug/L	99
49) Dibromochloromethane	8.804	129	189906	48.213	ug/L	99
50) 1,2-Dibromoethane	8.920	107	202668	48.947	ug/L	100
51) Chlorobenzene	9.444	112	475560	49.063	ug/L	99
52) Ethylbenzene	9.566	91	825863	50.424	ug/L	98
53) m,p-Xylene	9.692	106	319297	52.037	ug/L	98
54) o-Xylene	10.097	106	302600	50.962	ug/L	94
55) Styrene	10.110	104	536869	53.373	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	326815	49.511	ug/L	98
59) Bromoform	10.287	173	147468	48.712	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	270475	50.677	ug/L	99
61) Isopropylbenzene	10.483	105	830518	54.172	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	690955	55.698	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	686941	56.001	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	387264	51.099	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	392978	50.434	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	390145	51.874	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	78876	49.432	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	258893	51.213	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	215743	51.236	ug/L	99
71) Naphthalene	14.084	128	698199	55.819	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	218356	52.597	ug/L	98

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

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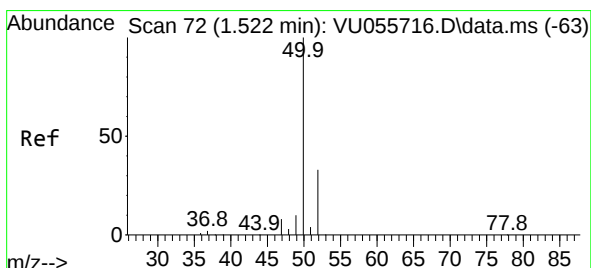
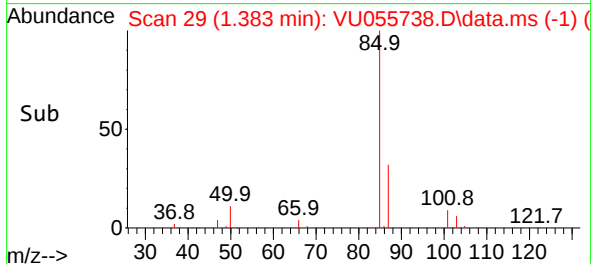
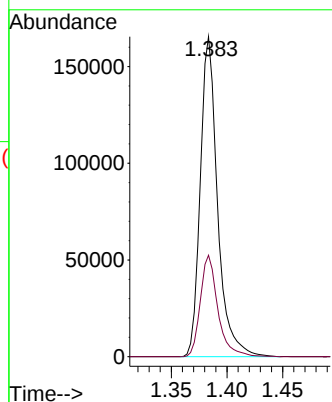
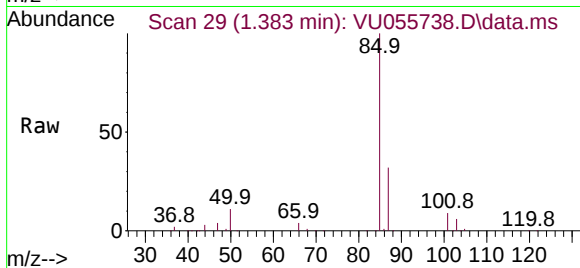




#2
 Dichlorodifluoromethane
 Concen: 47.616 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055738.D
 Acq: 11 Oct 2023 10:26

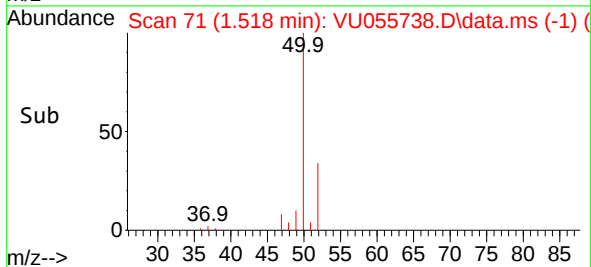
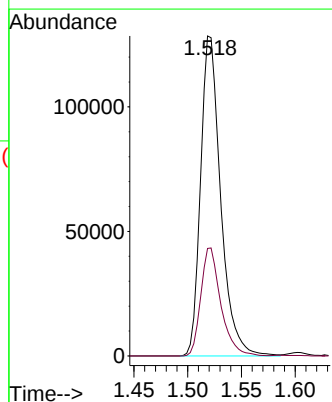
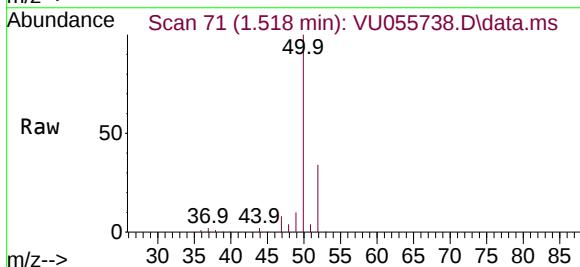
Instrument :
 MSVOA_U
 ClientSampleId :

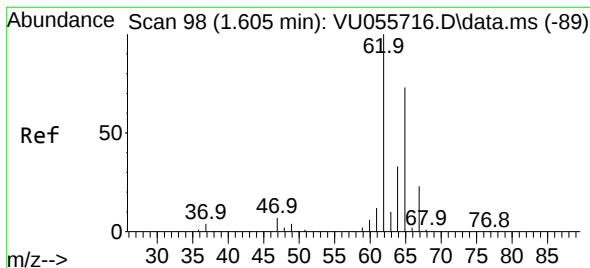
Tgt Ion: 85 Resp: 178387
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.0 39.0



#3
 Chloromethane
 Concen: 47.180 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU055738.D
 Acq: 11 Oct 2023 10:26

Tgt Ion: 50 Resp: 167249
 Ion Ratio Lower Upper
 50 100
 52 33.6 22.8 42.4





#5

Vinyl chloride

Concen: 46.617 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Instrument :

MSVOA_U

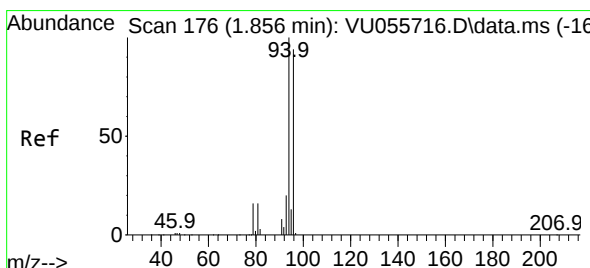
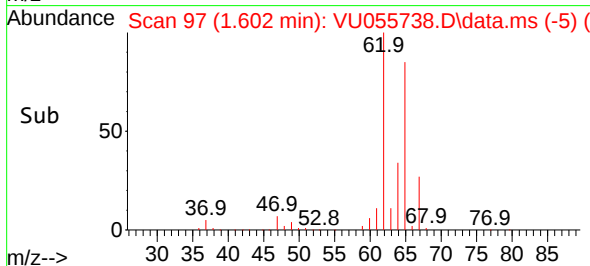
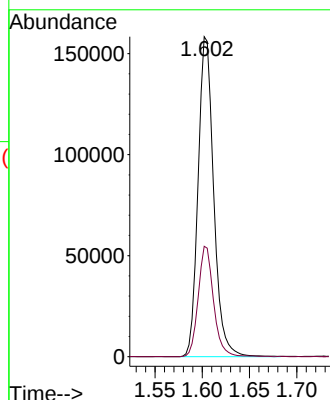
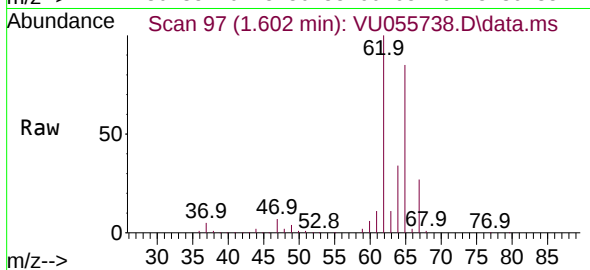
ClientSampleId :

Tgt Ion: 62 Resp: 181862

Ion Ratio Lower Upper

62 100

64 34.5 23.9 44.5



#6

Bromomethane

Concen: 47.592 ug/L

RT: 1.850 min Scan# 174

Delta R.T. -0.006 min

Lab File: VU055738.D

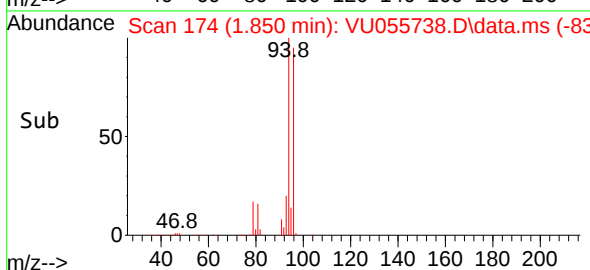
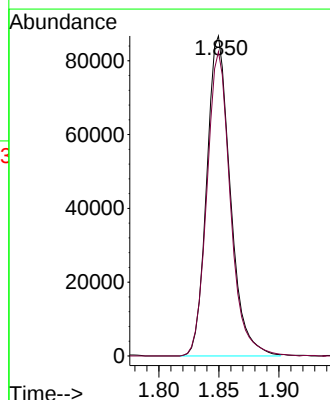
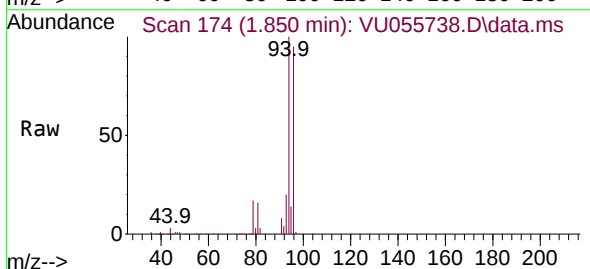
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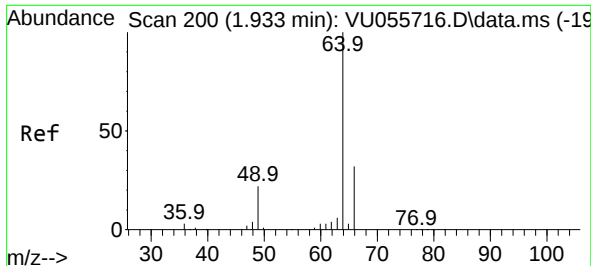
Tgt Ion: 94 Resp: 118692

Ion Ratio Lower Upper

94 100

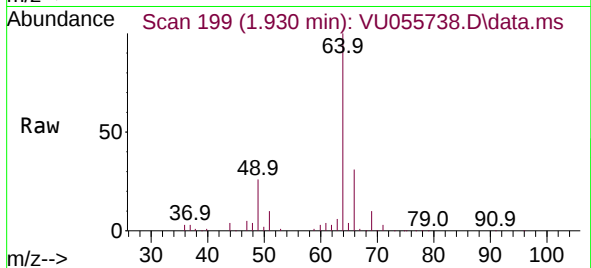
96 95.1 63.5 117.9



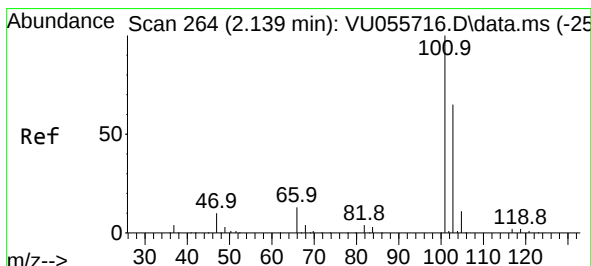
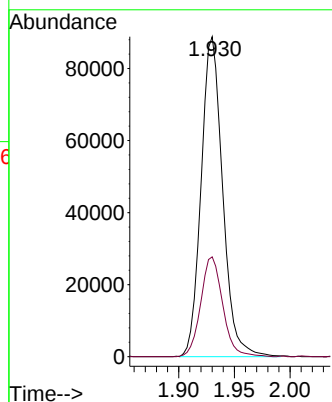
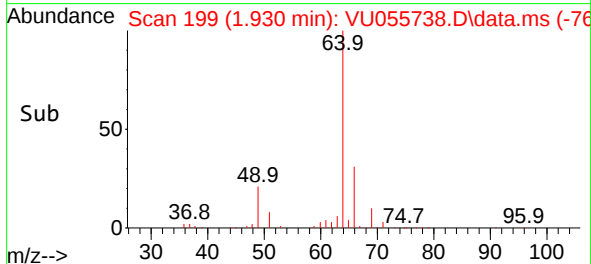


#8
Chloroethane
Concen: 46.747 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :

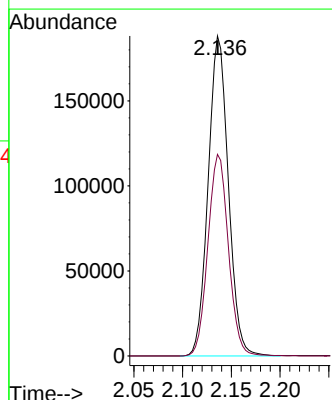
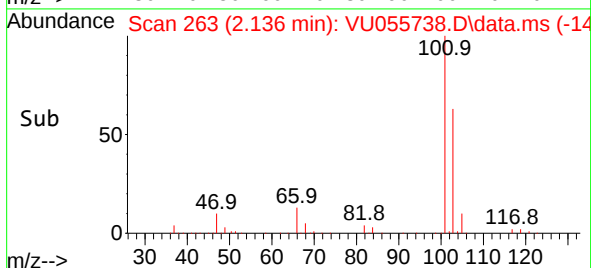
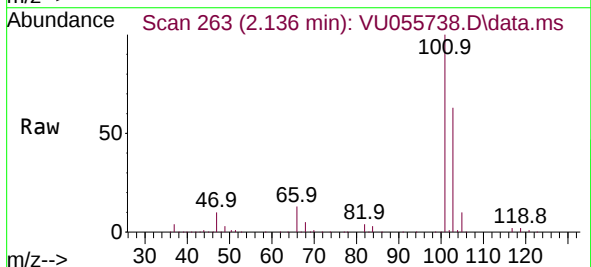


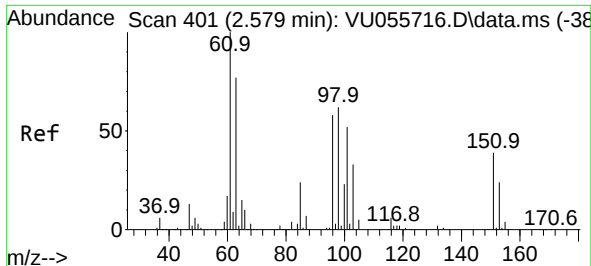
Tgt Ion: 64 Resp: 119624
Ion Ratio Lower Upper
64 100
66 31.2 22.9 42.5



#9
Trichlorofluoromethane
Concen: 48.633 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.003 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion:101 Resp: 271075
Ion Ratio Lower Upper
101 100
103 64.0 51.3 76.9

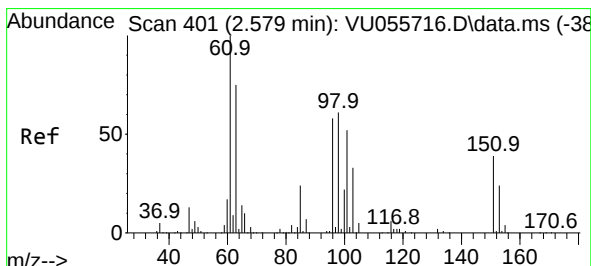
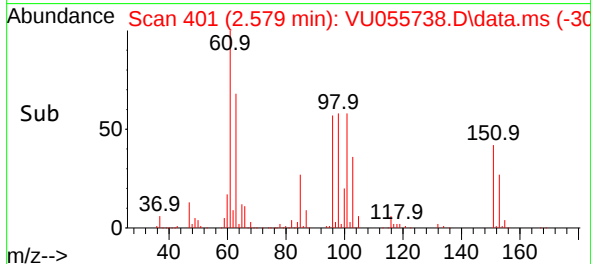
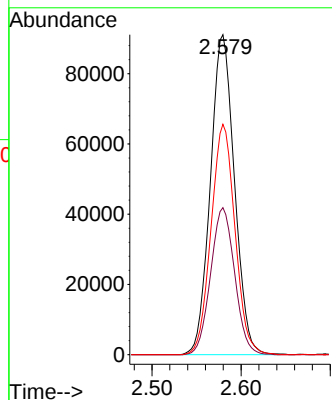
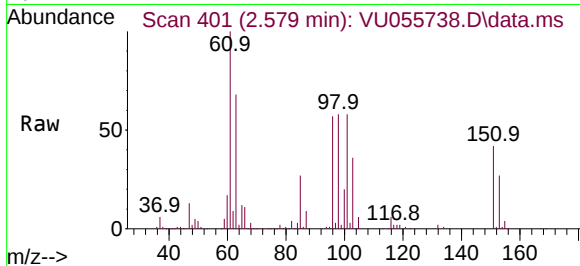




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.755 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU055738.D
 Acq: 11 Oct 2023 10:26

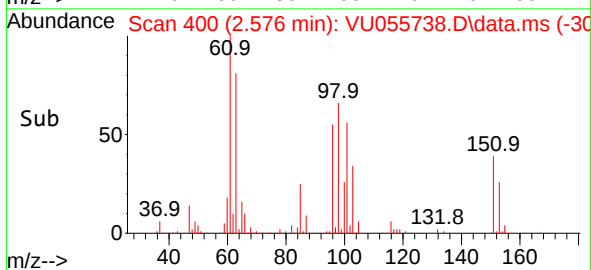
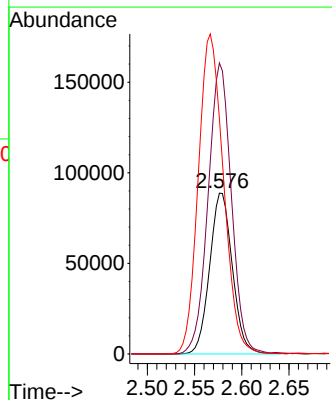
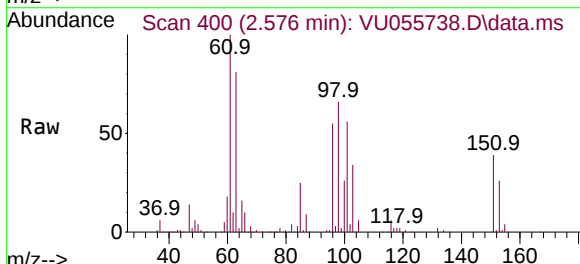
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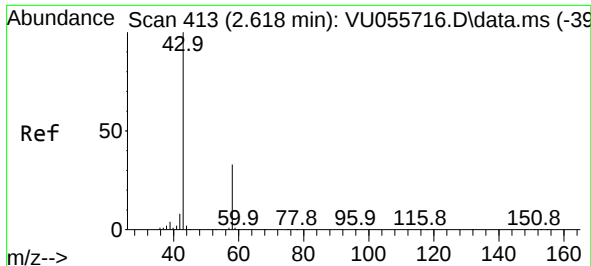
Tgt Ion:101 Resp: 171183
 Ion Ratio Lower Upper
 101 100
 85 45.8 37.1 55.7
 151 71.7 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 46.541 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU055738.D
 Acq: 11 Oct 2023 10:26

Tgt Ion: 96 Resp: 148457
 Ion Ratio Lower Upper
 96 100
 61 180.9 122.0 226.6
 63 146.3 93.7 174.1





#13

Acetone

Concen: 96.097 ug/L

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Instrument :

MSVOA_U

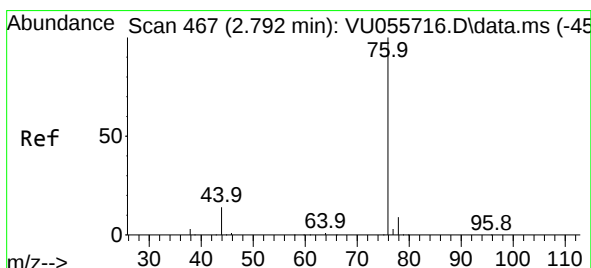
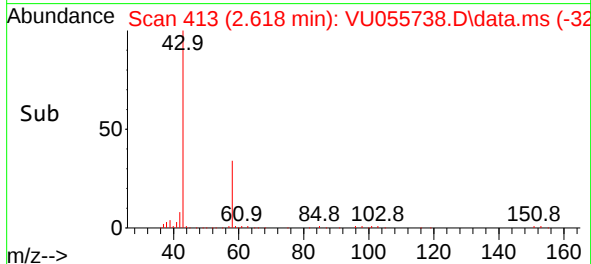
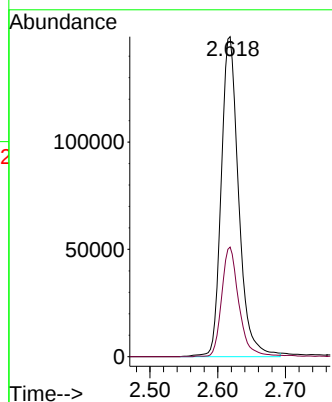
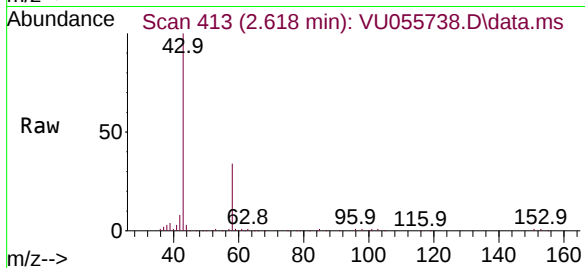
ClientSampleId :

Tgt Ion: 43 Resp: 266678

Ion Ratio Lower Upper

43 100

58 33.4 0.0 67.4



#14

Carbon disulfide

Concen: 43.279 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU055738.D

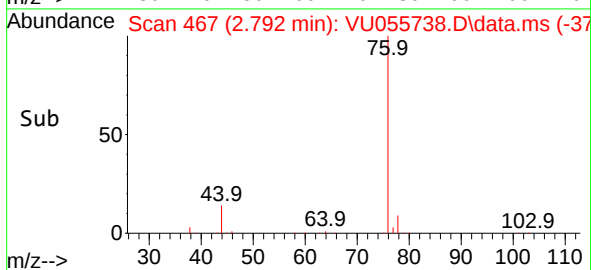
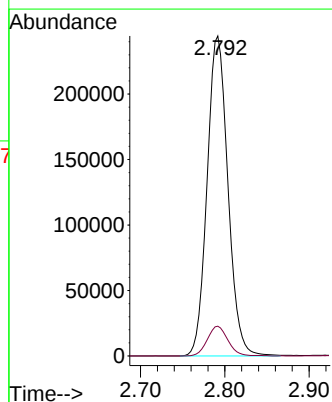
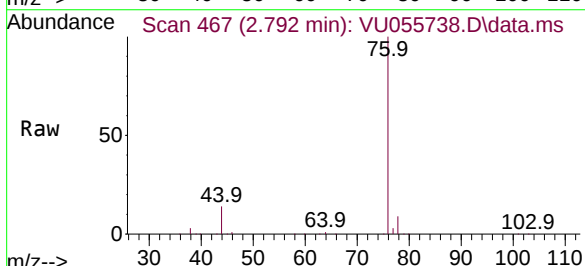
Acq: 11 Oct 2023 10:26

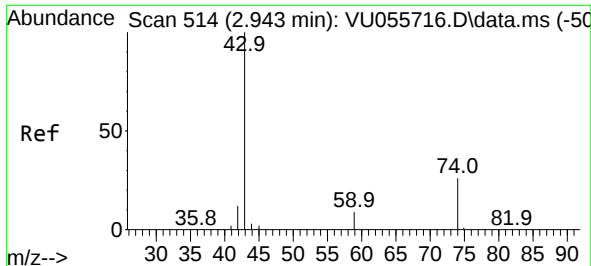
Tgt Ion: 76 Resp: 420111

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2

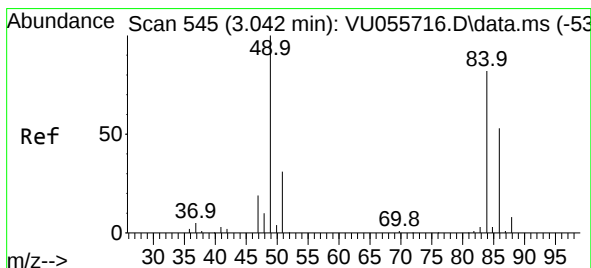
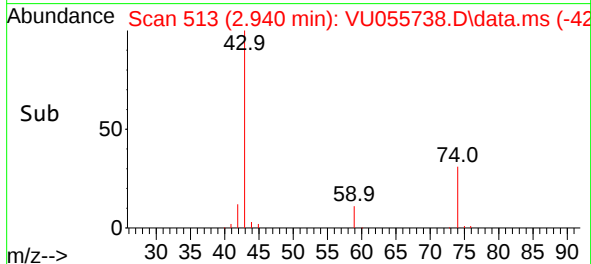
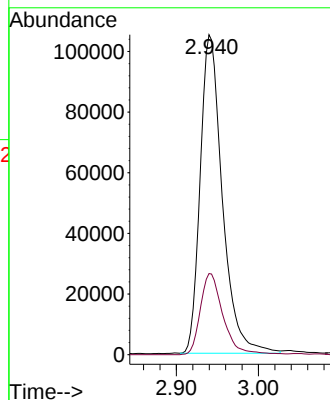
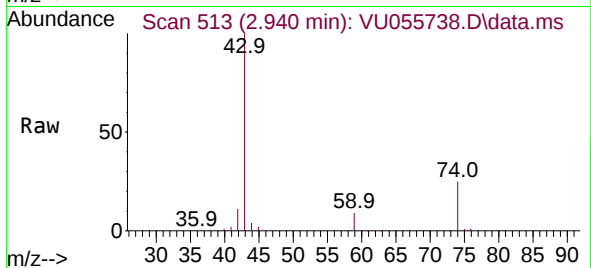




#15
Methyl Acetate
Concen: 46.355 ug/L
RT: 2.940 min Scan# 514
Delta R.T. -0.003 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

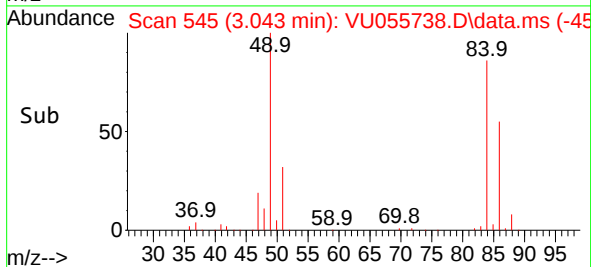
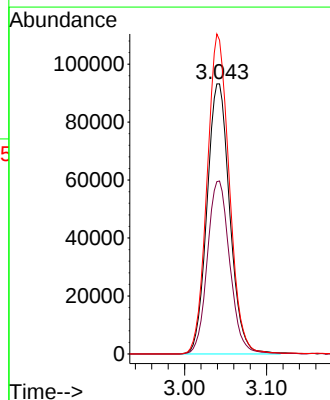
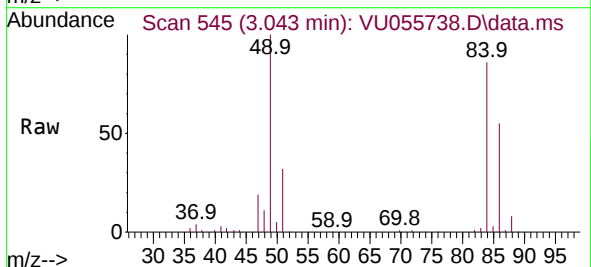
Instrument :
MSVOA_U
ClientSampleId :

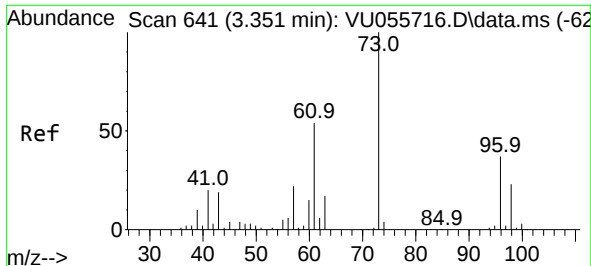
Tgt Ion: 43 Resp: 197008
Ion Ratio Lower Upper
43 100
74 26.1 19.5 29.3



#16
Methylene chloride
Concen: 46.405 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion: 84 Resp: 179506
Ion Ratio Lower Upper
84 100
86 64.0 46.3 86.1
49 116.2 84.8 157.6

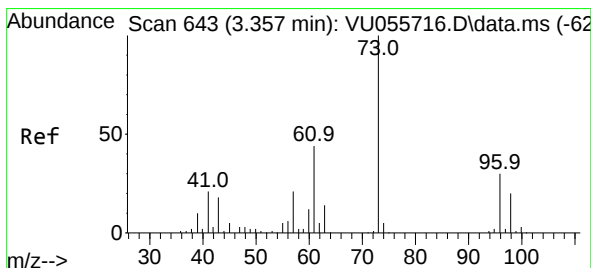
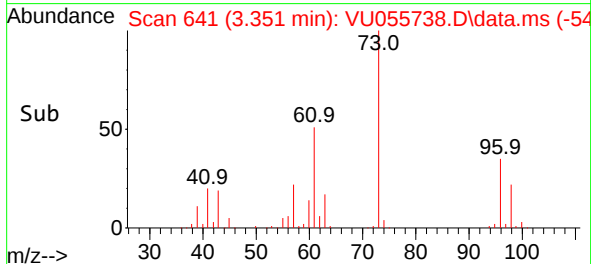
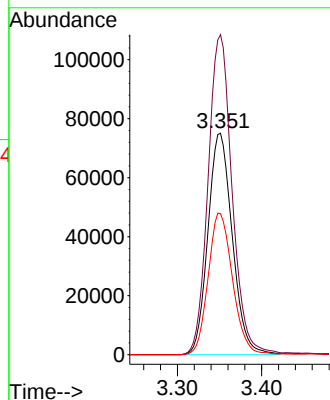
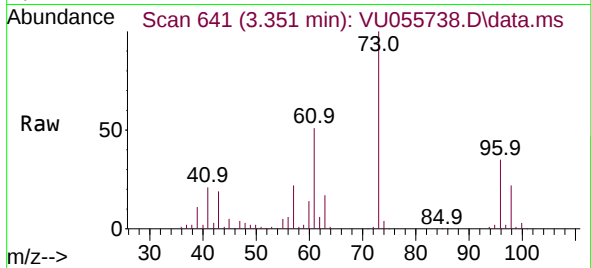




#17
trans-1,2-Dichloroethene
Concen: 46.365 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

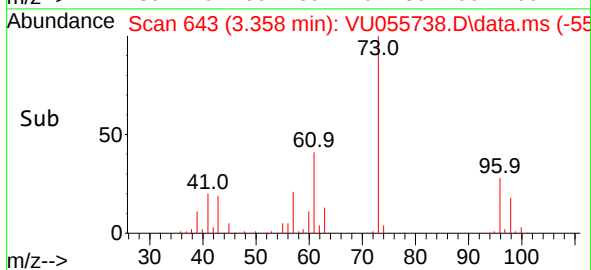
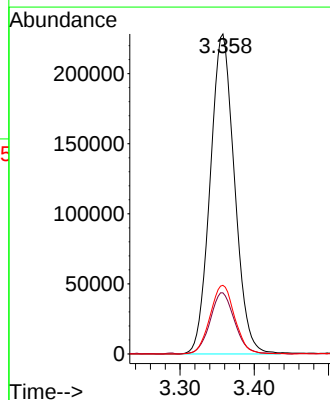
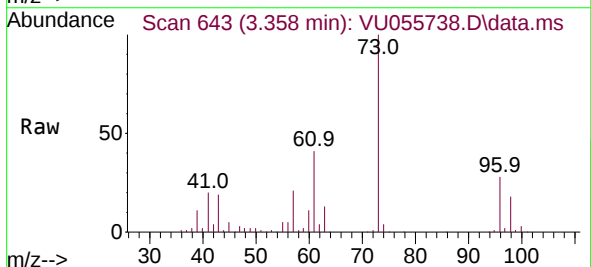
Instrument :
MSVOA_U
ClientSampleId :

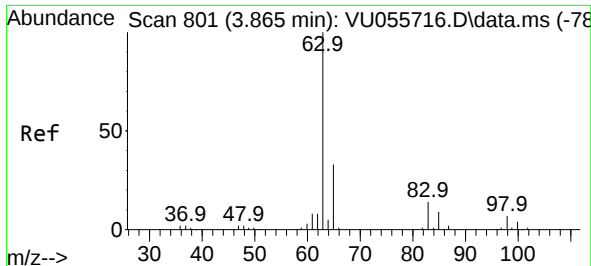
Tgt Ion: 96 Resp: 151231
Ion Ratio Lower Upper
96 100
61 144.5 102.1 189.7
98 63.7 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 49.532 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion: 73 Resp: 519584
Ion Ratio Lower Upper
73 100
43 19.4 15.4 23.2
57 21.8 17.7 26.5





#19

1,1-Dichloroethane

Concen: 46.763 ug/L

RT: 3.862 min Scan# 801

Delta R.T. -0.003 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

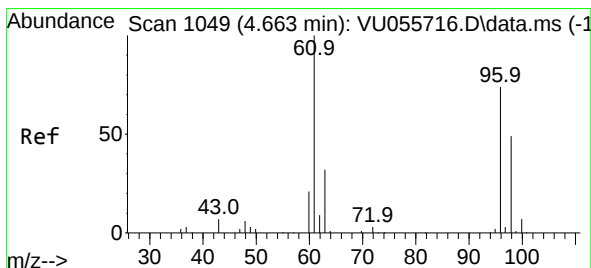
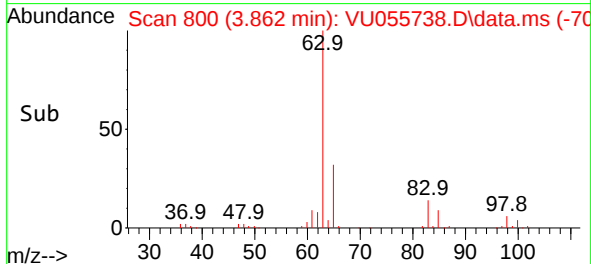
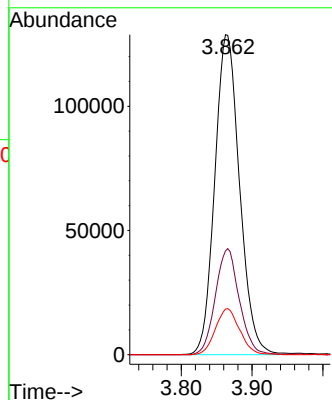
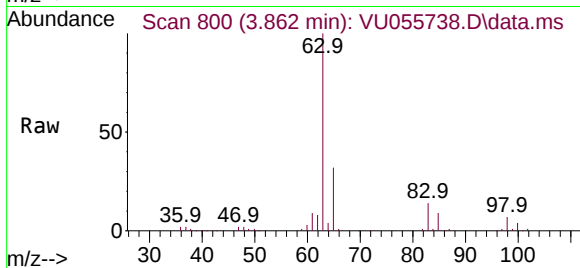
Tgt Ion: 63 Resp: 312797

Ion Ratio Lower Upper

63 100

65 32.4 22.3 41.5

83 14.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 48.759 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

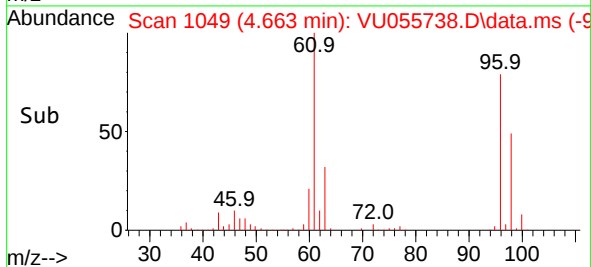
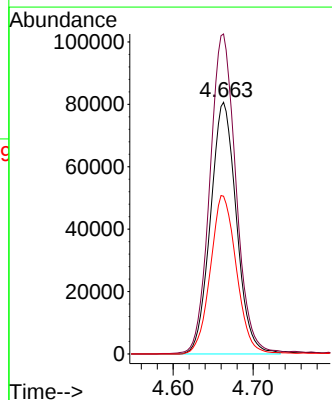
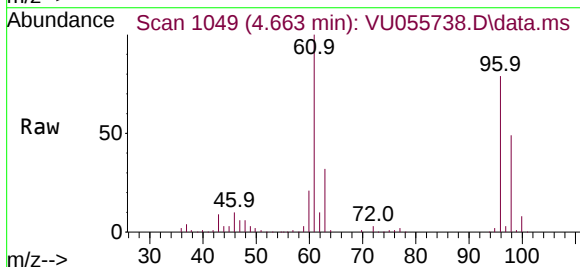
Tgt Ion: 96 Resp: 181513

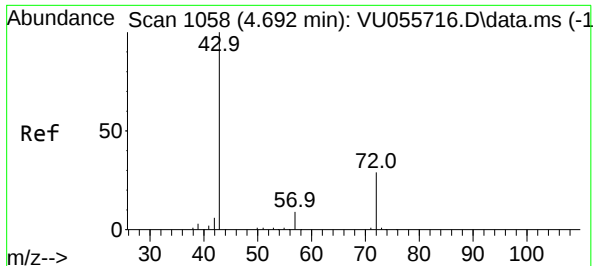
Ion Ratio Lower Upper

96 100

61 127.1 92.3 171.5

98 62.7 43.9 81.5

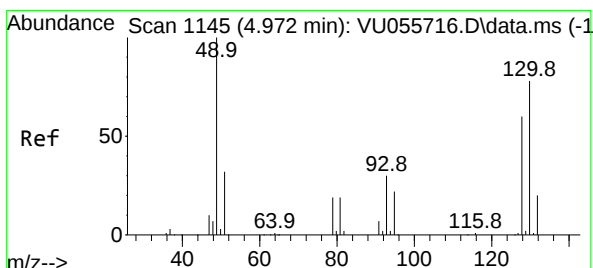
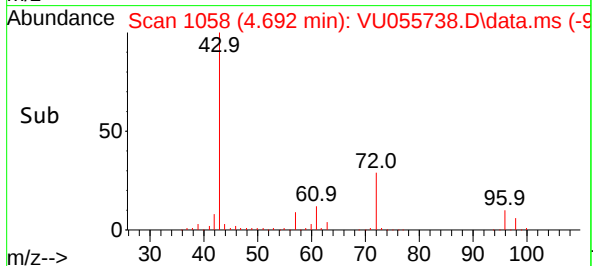
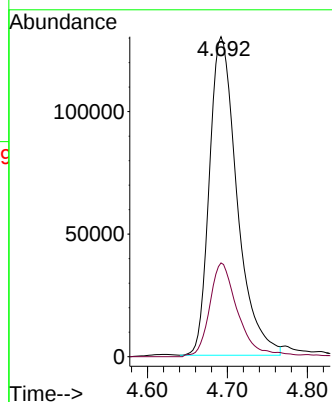
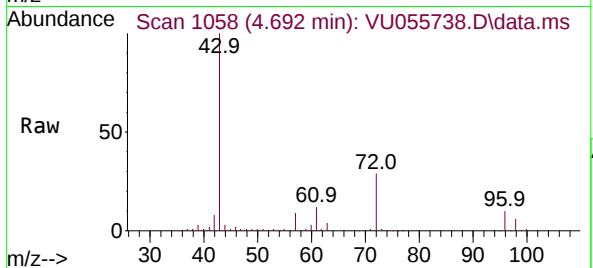




#22
2-Butanone
Concen: 93.510 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

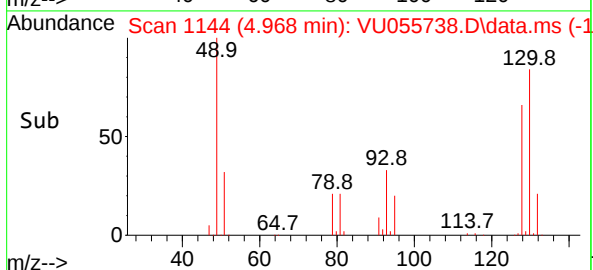
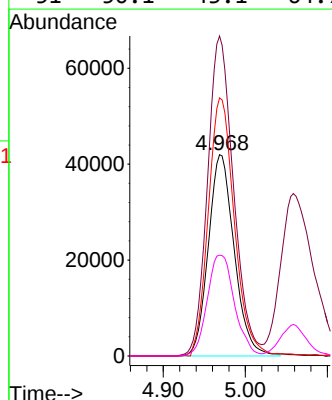
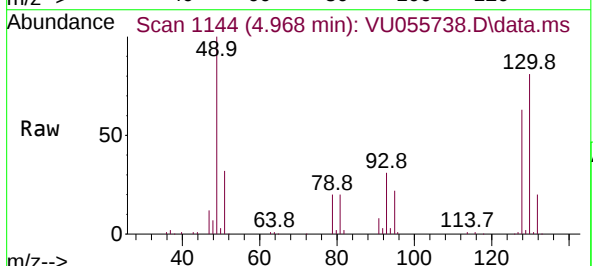
Instrument :
MSVOA_U
ClientSampleId :

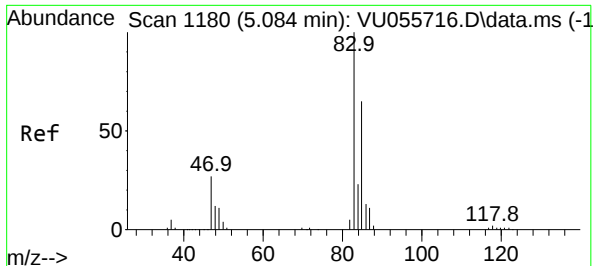
Tgt Ion: 43 Resp: 312779
Ion Ratio Lower Upper
43 100
72 29.3 14.6 44.0



#23
Bromochloromethane
Concen: 47.759 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.003 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion:128 Resp: 92077
Ion Ratio Lower Upper
128 100
49 158.9 116.3 216.1
130 128.2 91.6 170.0
51 50.1 43.1 64.7





#25

Chloroform

Concen: 47.176 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Instrument :

MSVOA_U

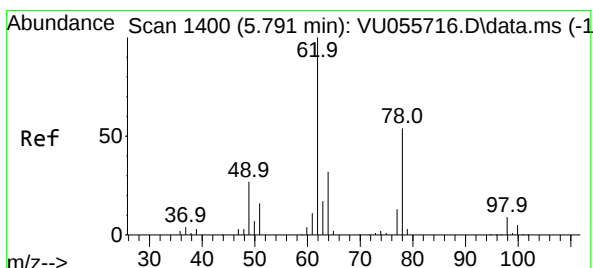
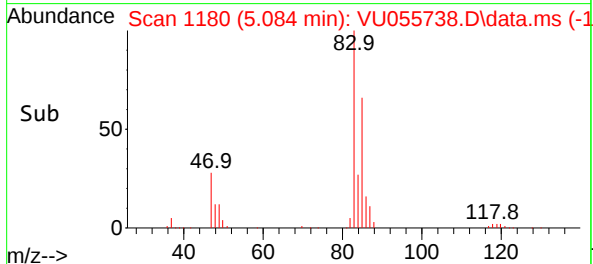
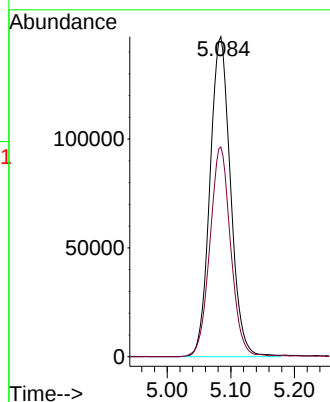
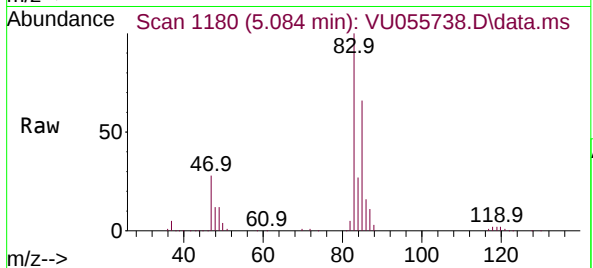
ClientSampleId :

Tgt Ion: 83 Resp: 329643

Ion Ratio Lower Upper

83 100

85 65.6 46.3 86.1



#27

1,2-Dichloroethane

Concen: 49.347 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU055738.D

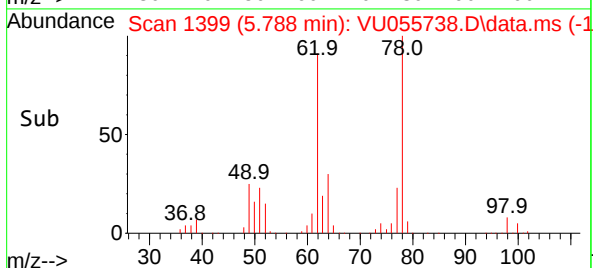
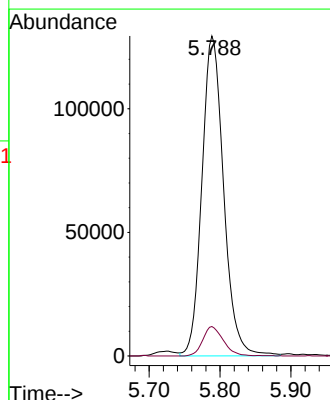
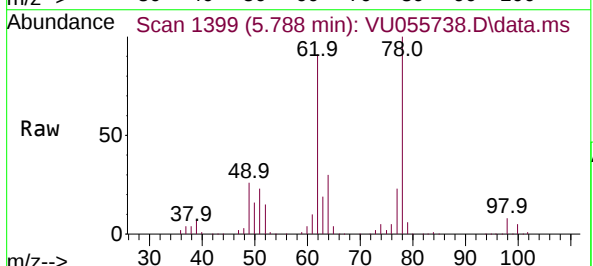
Acq: 11 Oct 2023 10:26

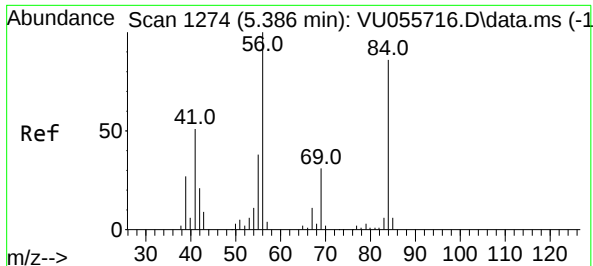
Tgt Ion: 62 Resp: 275786

Ion Ratio Lower Upper

62 100

98 9.2 7.2 10.8





#29

Cyclohexane

Concen: 51.213 ug/L

RT: 5.383 min Scan# 1274

Delta R.T. -0.003 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

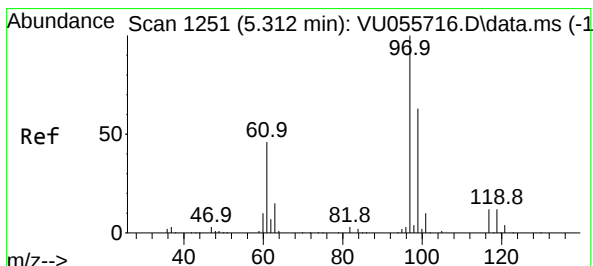
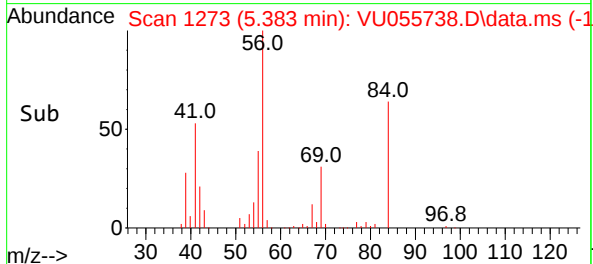
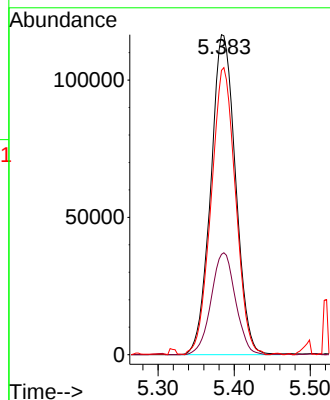
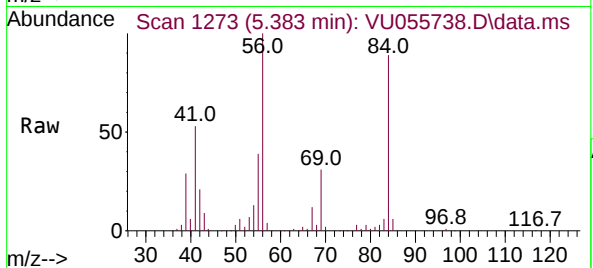
Tgt Ion: 56 Resp: 263650

Ion Ratio Lower Upper

56 100

69 31.3 24.9 37.3

84 88.4 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 50.224 ug/L

RT: 5.313 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

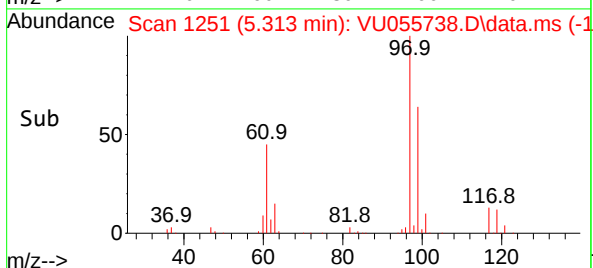
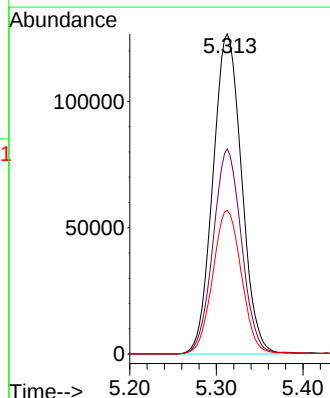
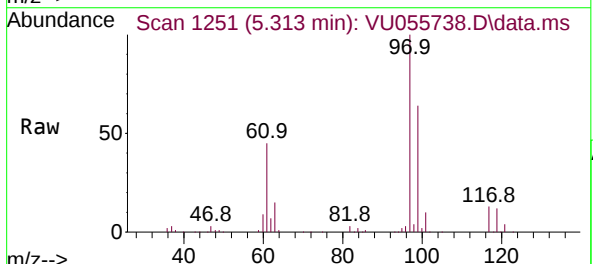
Tgt Ion: 97 Resp: 291430

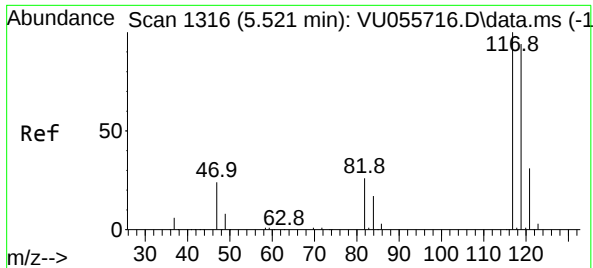
Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 44.8 36.8 55.2

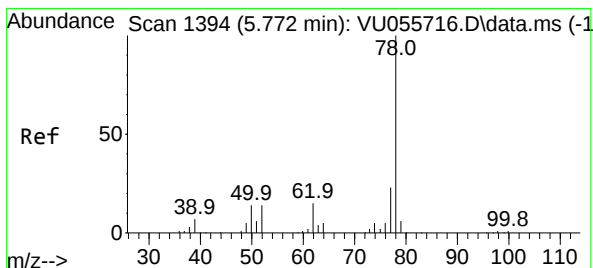
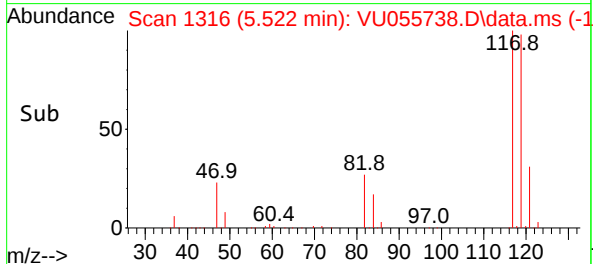
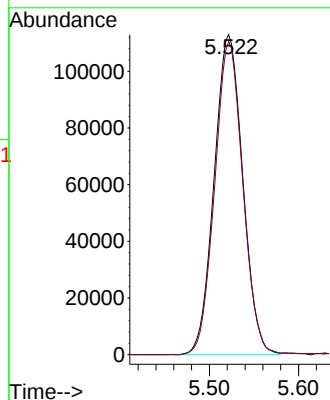
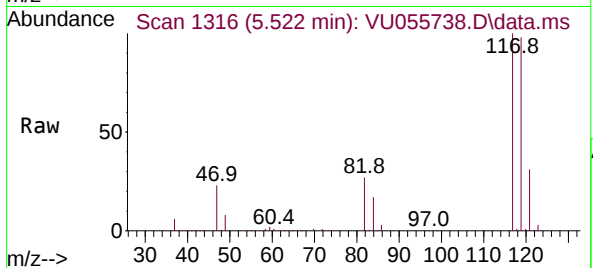




#31
Carbon tetrachloride
Concen: 49.518 ug/L
RT: 5.522 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

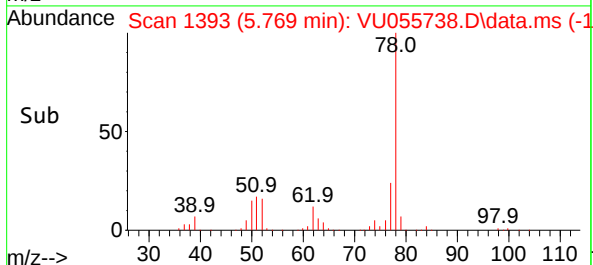
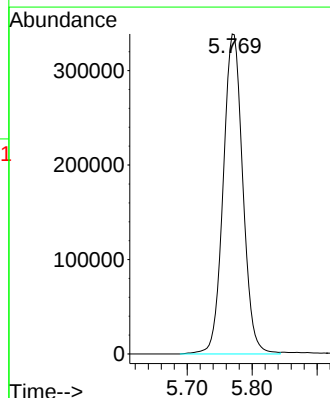
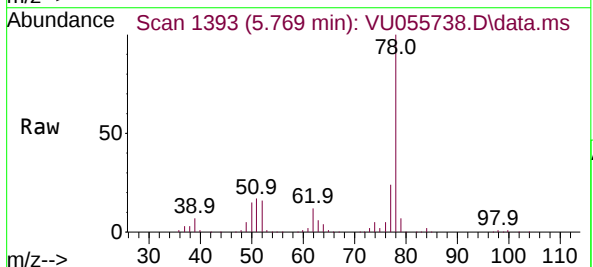
Instrument :
MSVOA_U
ClientSampleId :

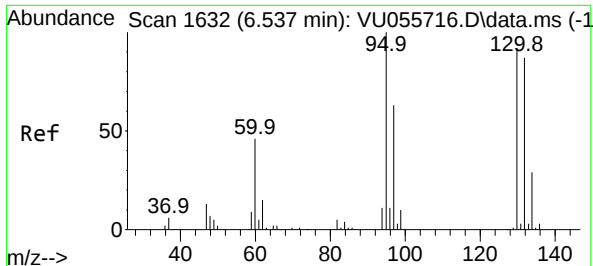
Tgt Ion:117 Resp: 251507
Ion Ratio Lower Upper
117 100
119 96.1 75.4 113.0



#33
Benzene
Concen: 49.862 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion: 78 Resp: 707916

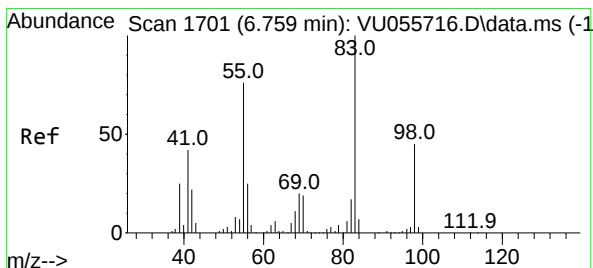
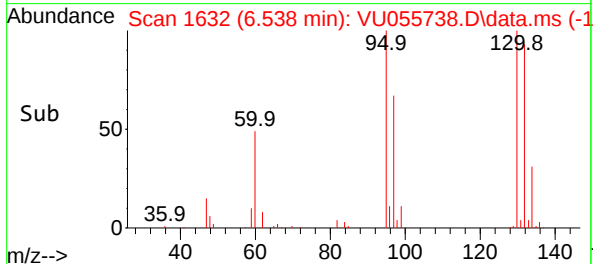
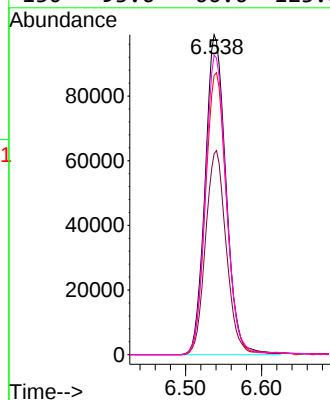
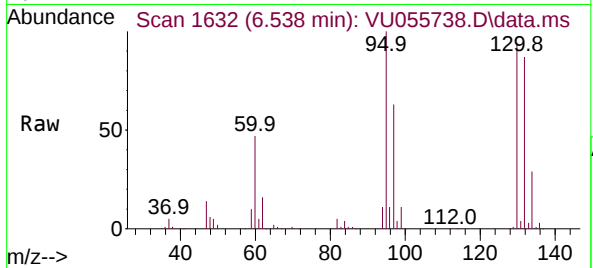




#34
Trichloroethene
Concen: 48.572 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

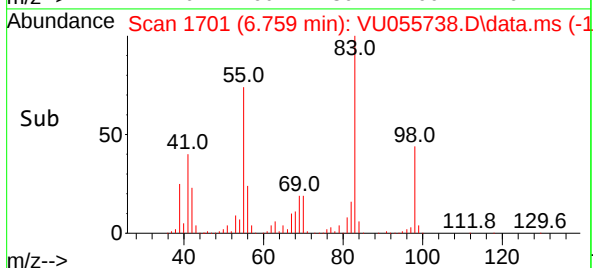
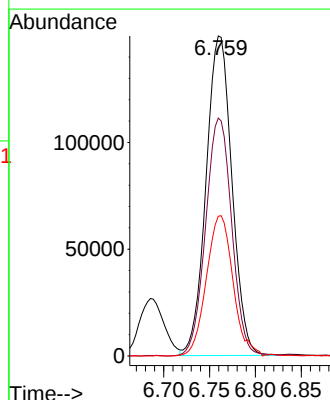
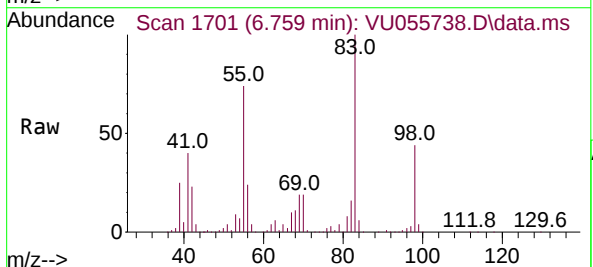
Instrument :
MSVOA_U
ClientSampleId :

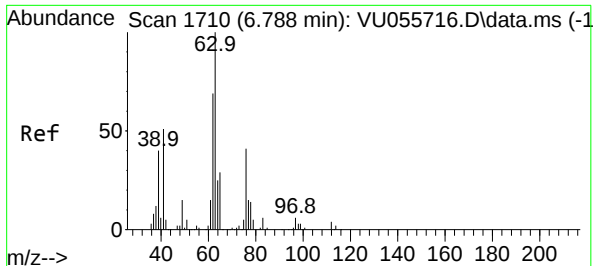
Tgt Ion: 95 Resp: 188688
Ion Ratio Lower Upper
95 100
97 62.8 44.4 82.5
132 87.3 61.8 114.8
130 93.6 66.6 123.8



#35
Methylcyclohexane
Concen: 52.238 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion: 83 Resp: 294427
Ion Ratio Lower Upper
83 100
55 75.1 61.2 91.8
98 45.0 35.8 53.6

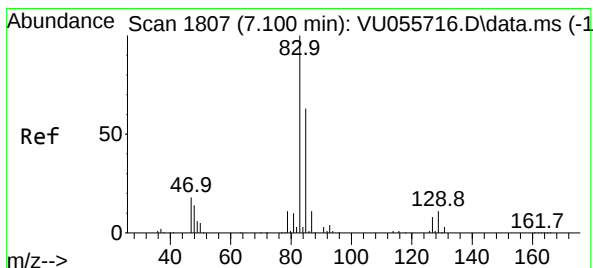
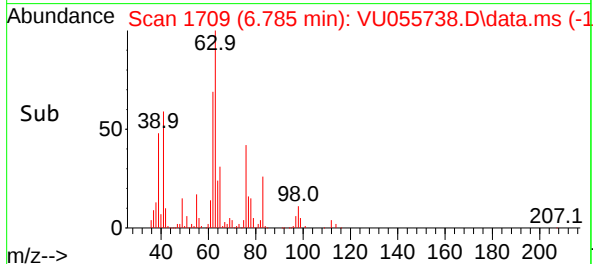
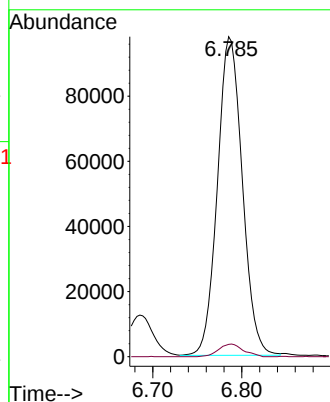
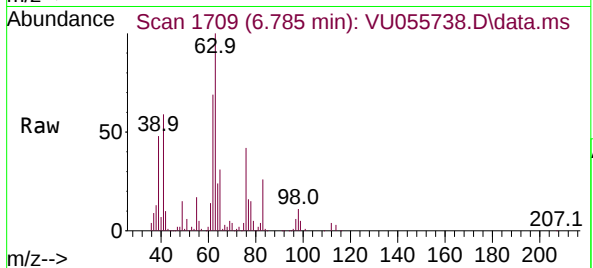




#37
1,2-Dichloropropane
Concen: 48.554 ug/L
RT: 6.785 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

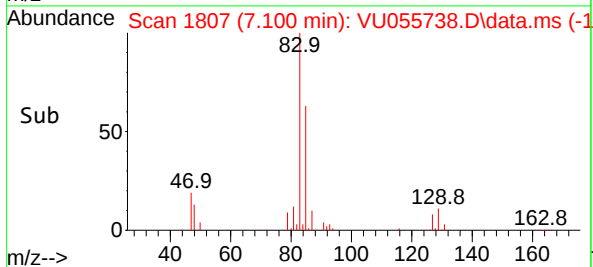
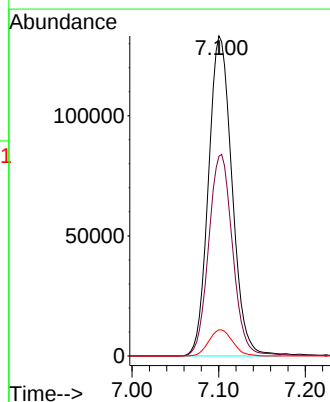
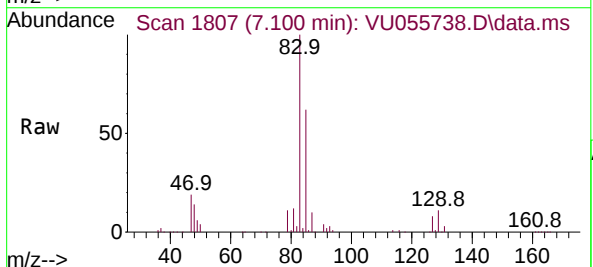
Instrument :
MSVOA_U
ClientSampleId :

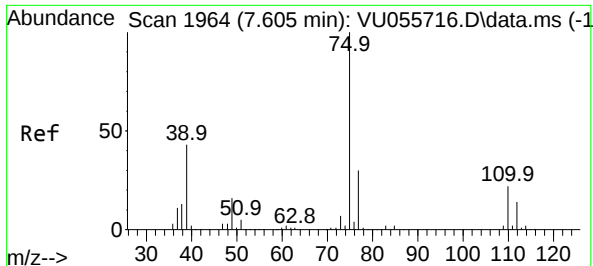
Tgt Ion: 63 Resp: 189823
Ion Ratio Lower Upper
63 100
112 4.0 3.0 4.4



#38
Bromodichloromethane
Concen: 48.834 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion: 83 Resp: 251769
Ion Ratio Lower Upper
83 100
85 62.4 46.0 85.4
127 8.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 49.679 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Instrument :

MSVOA_U

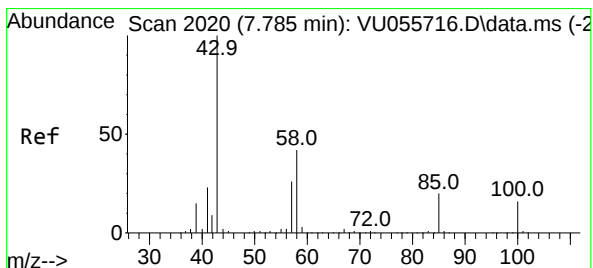
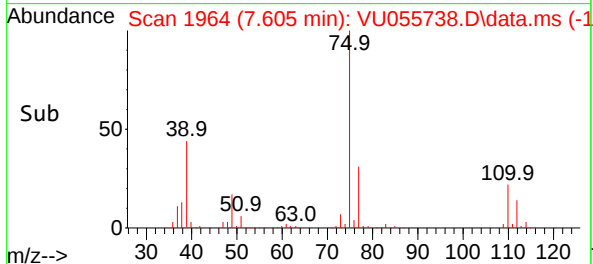
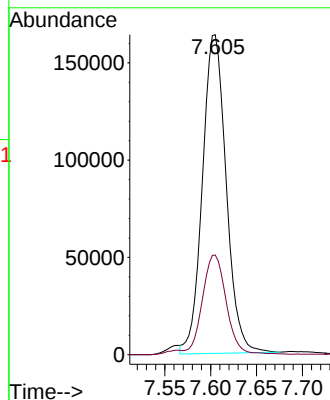
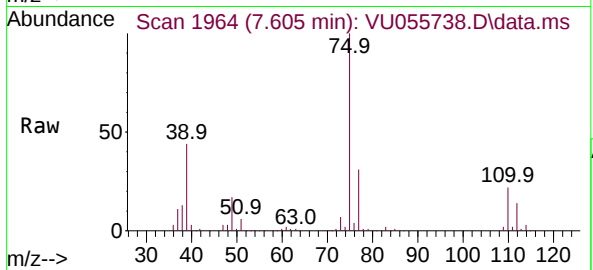
ClientSampleId :

Tgt Ion: 75 Resp: 295482

Ion Ratio Lower Upper

75 100

77 31.1 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 98.715 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

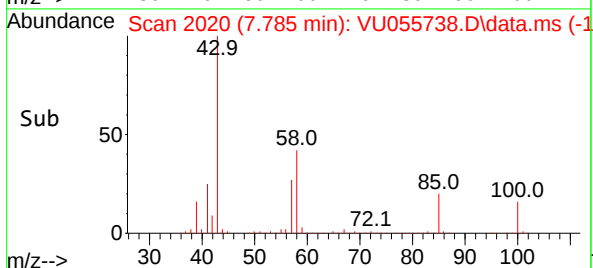
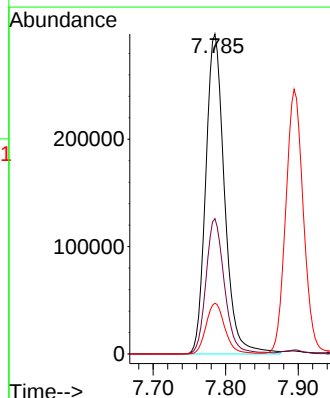
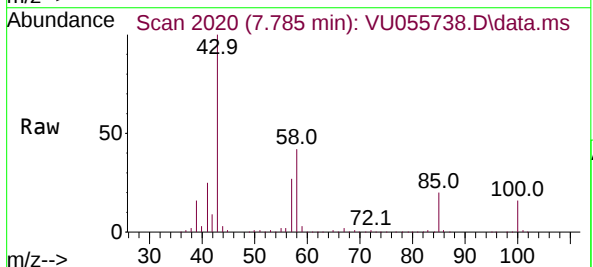
Tgt Ion: 43 Resp: 536895

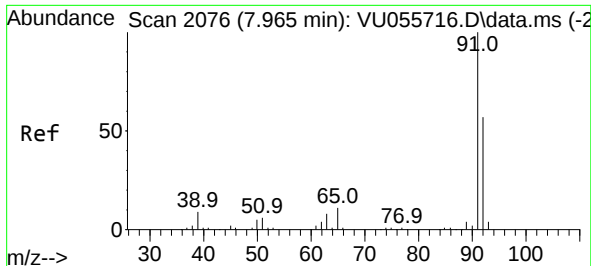
Ion Ratio Lower Upper

43 100

58 41.8 32.3 48.5

100 15.9 12.0 18.0





#42

Toluene

Concen: 50.843 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Instrument :

MSVOA_U

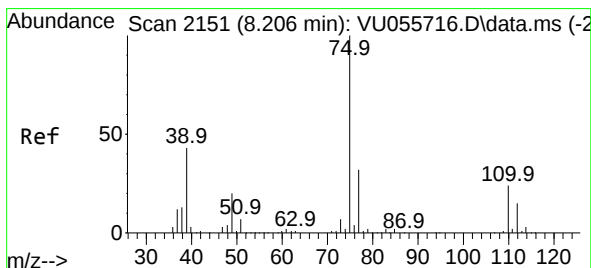
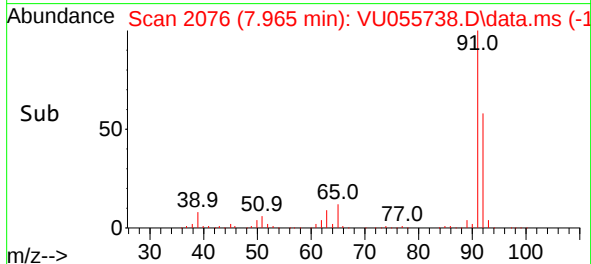
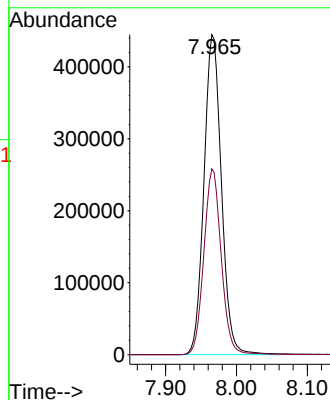
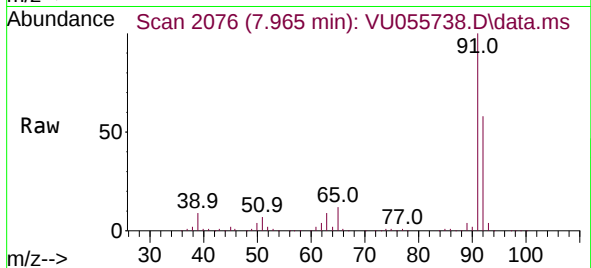
ClientSampleId :

Tgt Ion: 91 Resp: 761677

Ion Ratio Lower Upper

91 100

92 58.1 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 49.567 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055738.D

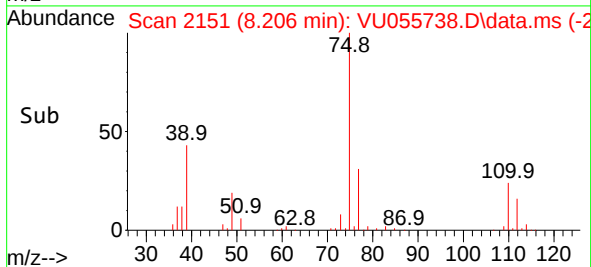
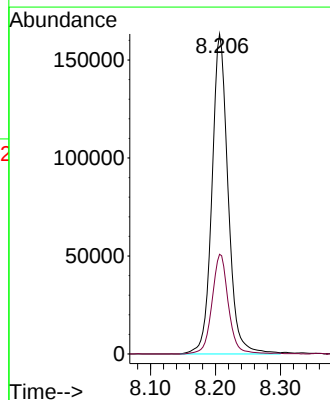
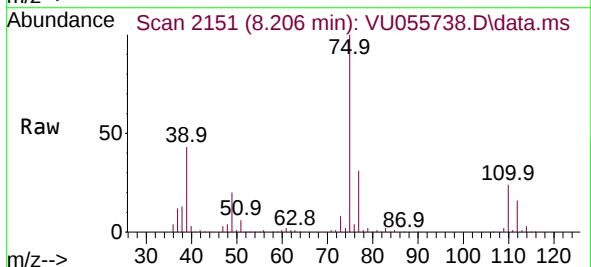
Acq: 11 Oct 2023 10:26

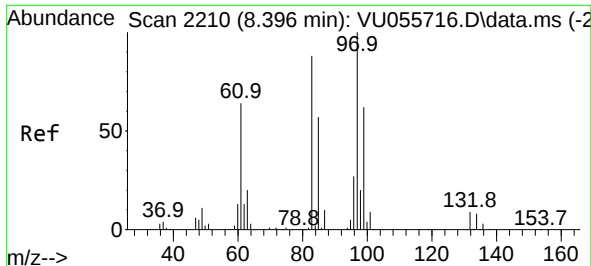
Tgt Ion: 75 Resp: 282078

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 49.074 ug/L

RT: 8.396 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 189179

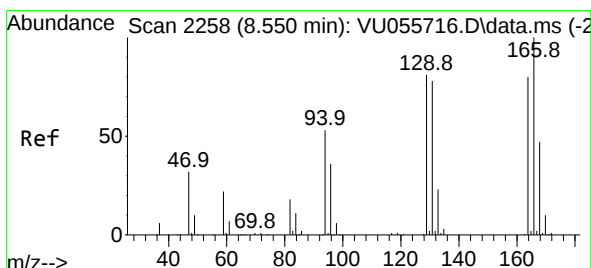
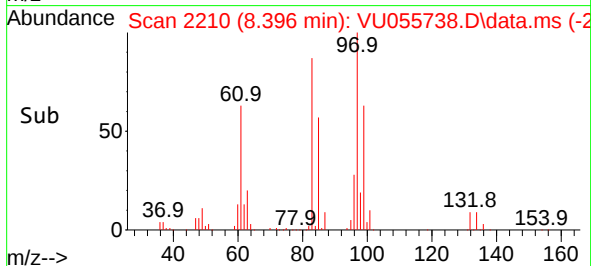
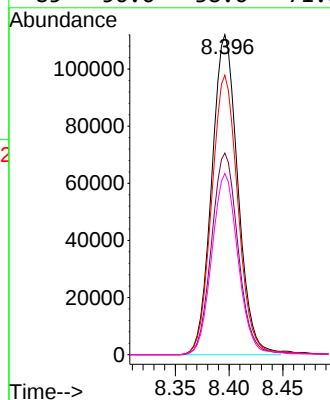
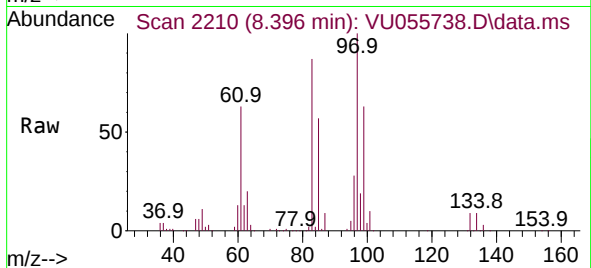
Ion Ratio Lower Upper

97 100

99 63.0 44.4 82.5

83 87.3 60.4 112.2

85 56.6 38.6 71.8



#46

Tetrachloroethene

Concen: 49.222 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Tgt Ion:164 Resp: 136903

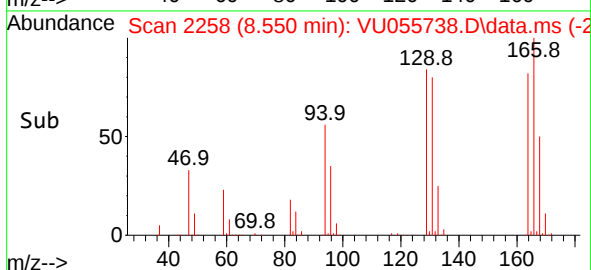
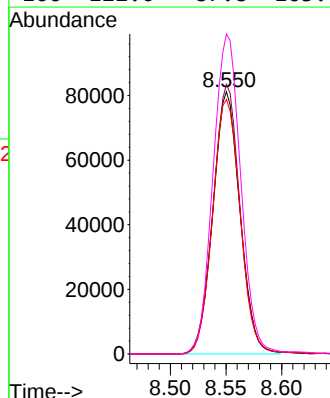
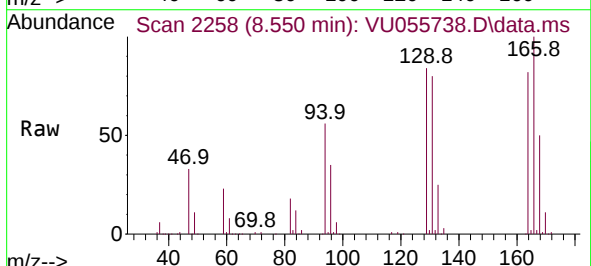
Ion Ratio Lower Upper

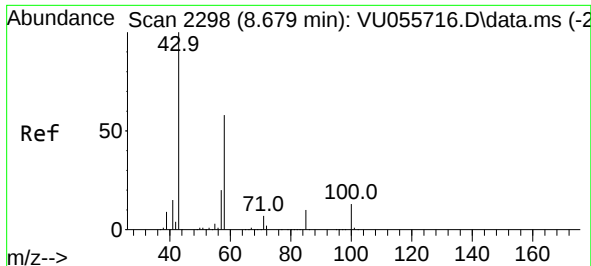
164 100

129 102.8 70.7 131.3

131 97.0 65.9 122.5

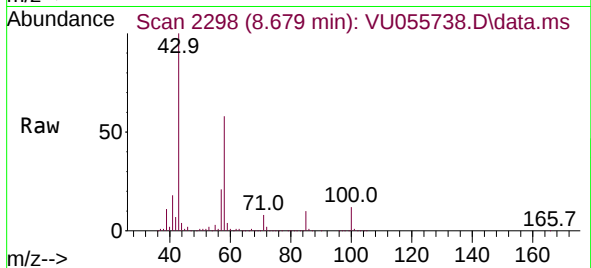
166 122.0 87.8 163.0



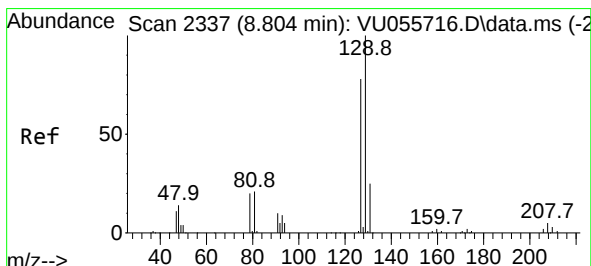
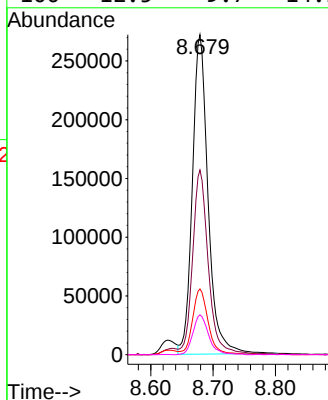
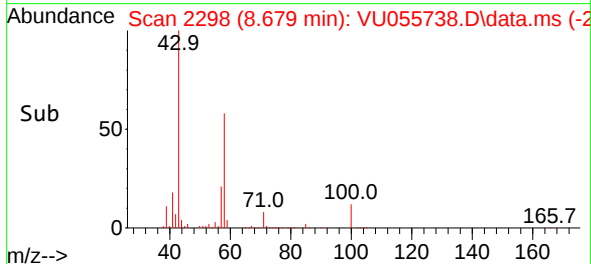


#48
2-Hexanone
Concen: 103.542 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :

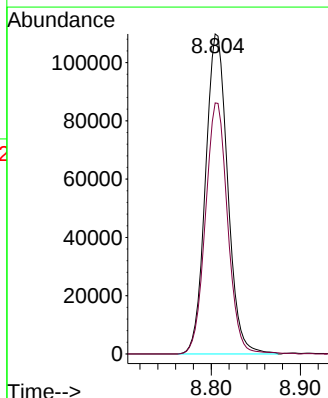
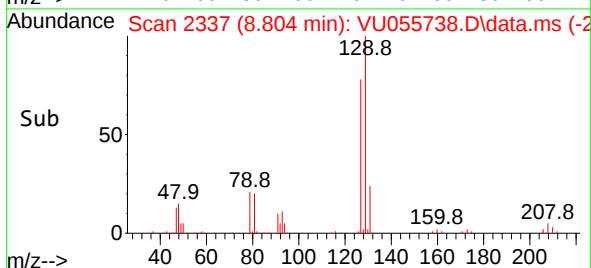
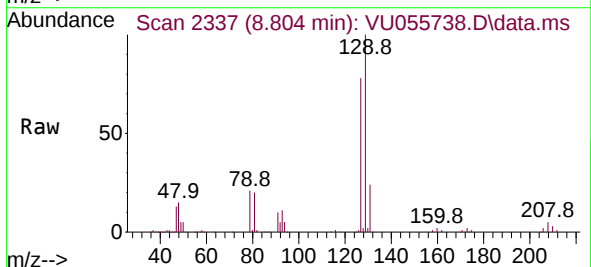


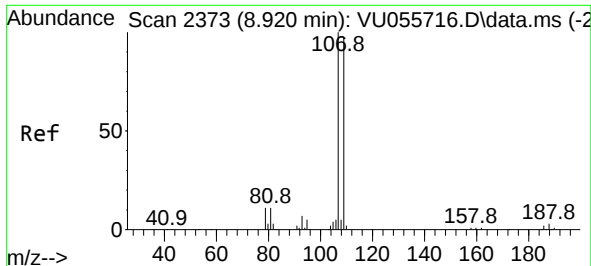
Tgt Ion:	43	Resp:	475668
Ion	Ratio	Lower	Upper
43	100		
58	57.0	45.2	67.8
57	20.1	16.1	24.1
100	12.5	9.7	14.5



#49
Dibromochloromethane
Concen: 48.213 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion:	129	Resp:	189906
Ion	Ratio	Lower	Upper
129	100		
127	78.5	54.0	100.4

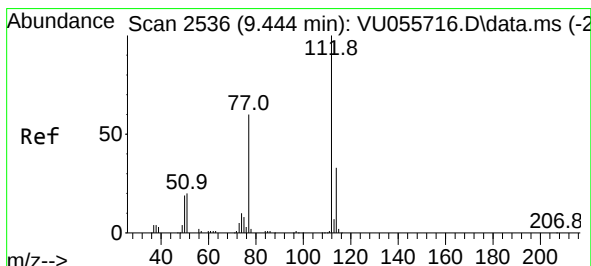
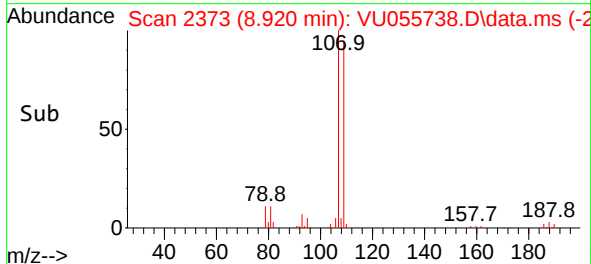
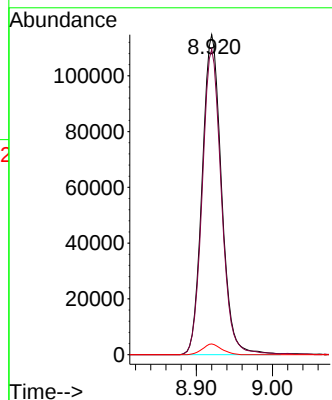
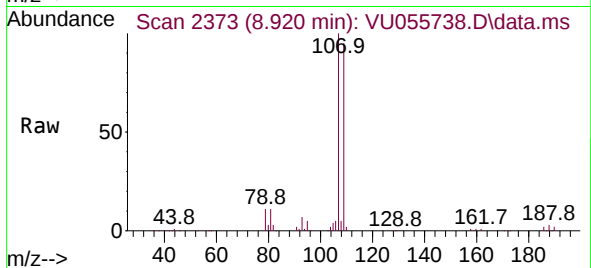




#50
1,2-Dibromoethane
Concen: 48.947 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

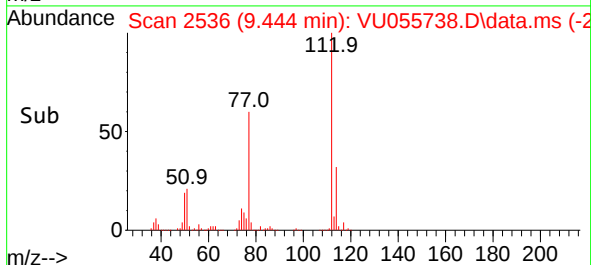
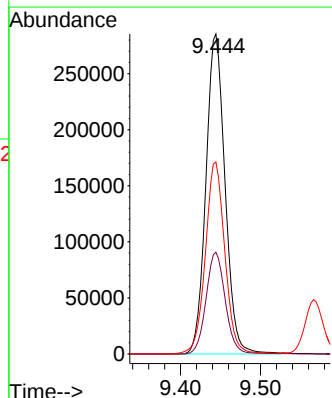
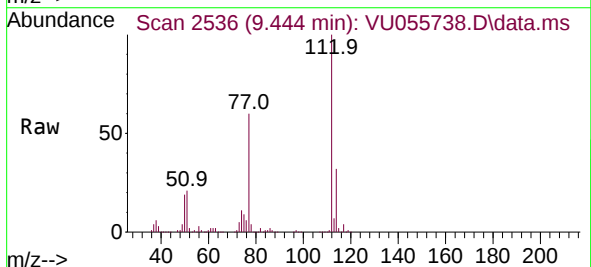
Instrument :
MSVOA_U
ClientSampleId :

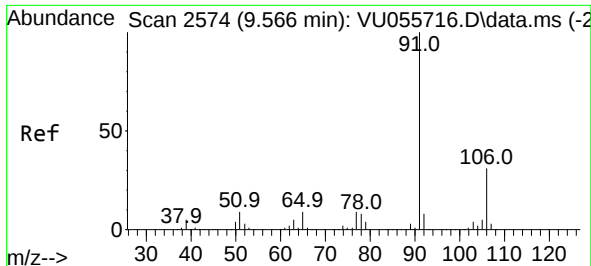
Tgt Ion:107 Resp: 202668
Ion Ratio Lower Upper
107 100
109 95.4 66.7 123.9
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 49.063 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion:112 Resp: 475560
Ion Ratio Lower Upper
112 100
114 31.8 22.0 40.8
77 60.0 49.0 73.6

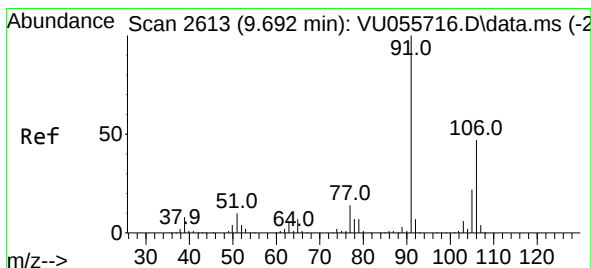
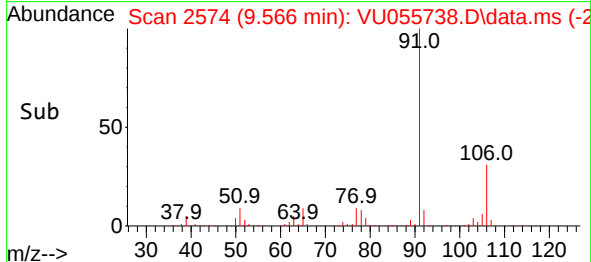
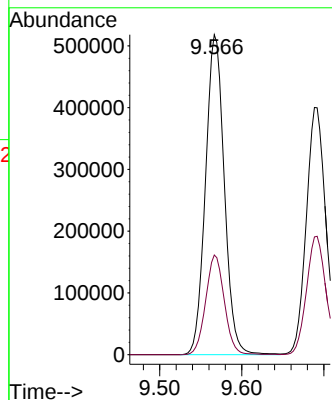
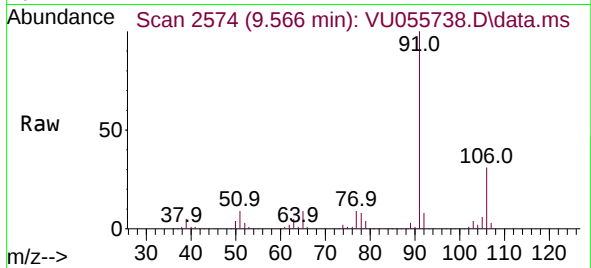




#52
Ethylbenzene
Concen: 50.424 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

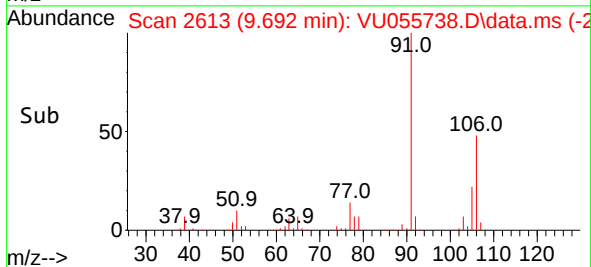
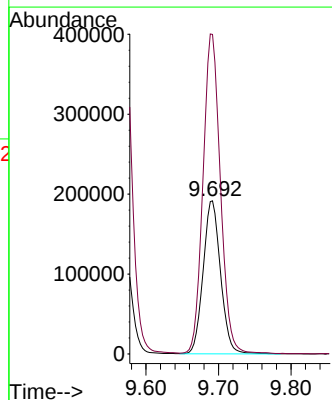
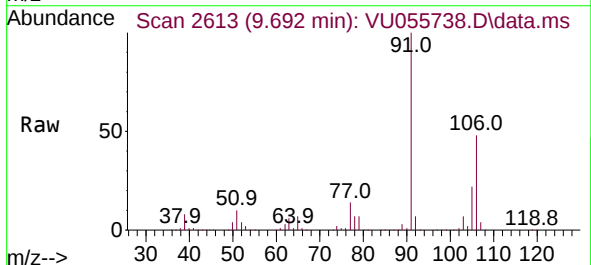
Instrument :
MSVOA_U
ClientSampleId :

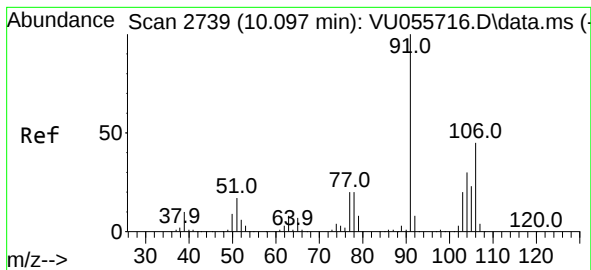
Tgt Ion: 91 Resp: 825863
Ion Ratio Lower Upper
91 100
106 31.1 21.2 39.4



#53
m,p-Xylene
Concen: 52.037 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion: 106 Resp: 319297
Ion Ratio Lower Upper
106 100
91 208.6 143.8 267.0





#54

o-Xylene

Concen: 50.962 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Instrument :

MSVOA_U

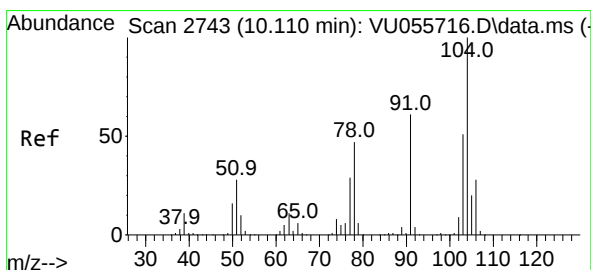
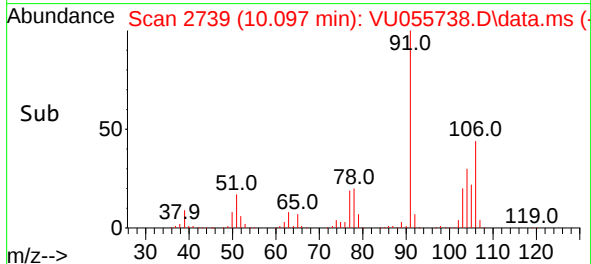
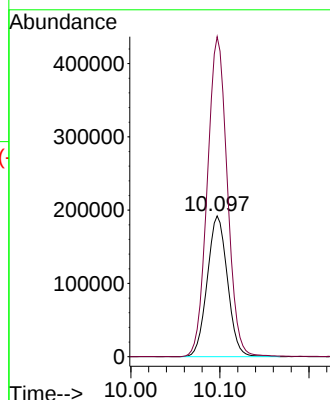
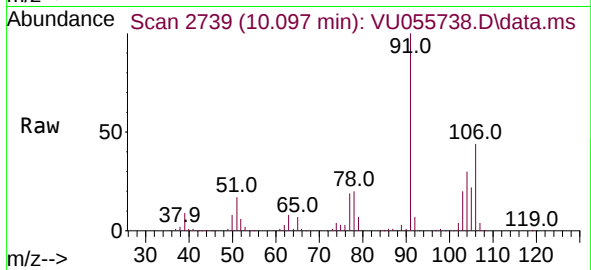
ClientSampleId :

Tgt Ion:106 Resp: 302600

Ion Ratio Lower Upper

106 100

91 227.2 151.8 282.0



#55

Styrene

Concen: 53.373 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU055738.D

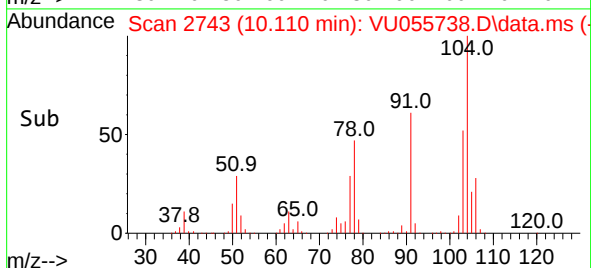
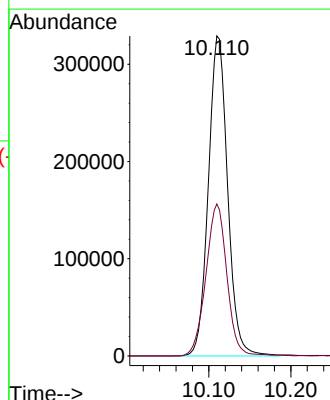
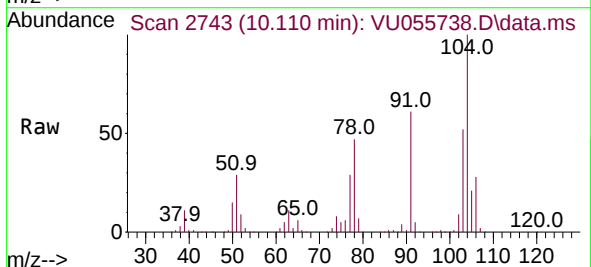
Acq: 11 Oct 2023 10:26

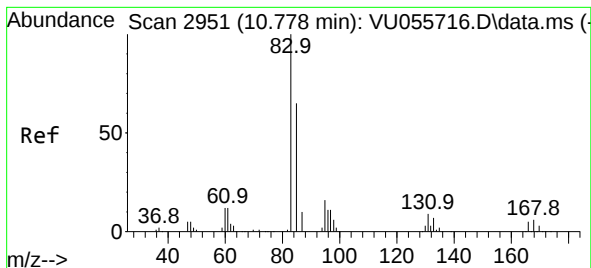
Tgt Ion:104 Resp: 536869

Ion Ratio Lower Upper

104 100

78 47.5 33.6 62.4

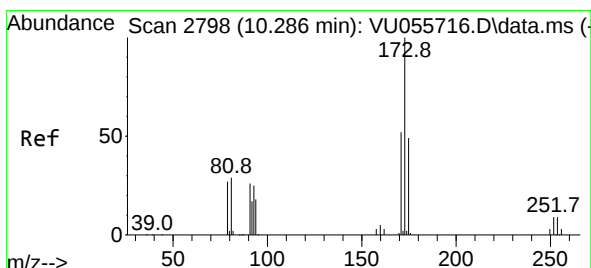
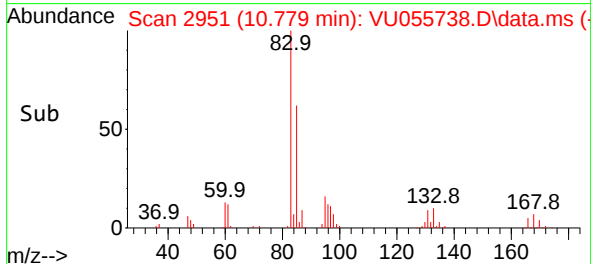
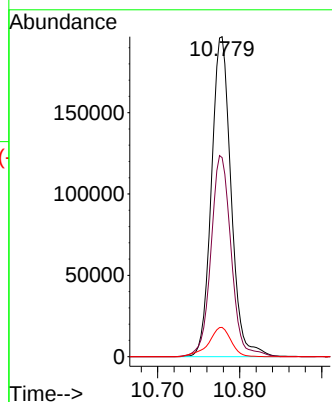
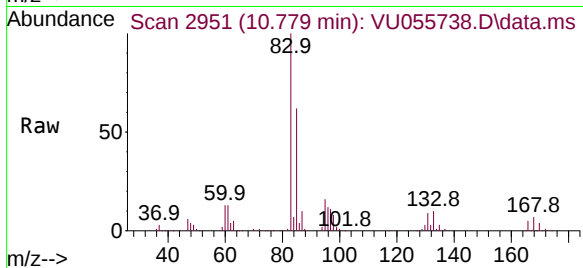




#57
1,1,2,2-Tetrachloroethane
Concen: 49.511 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

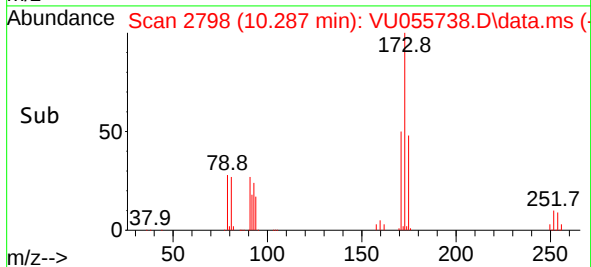
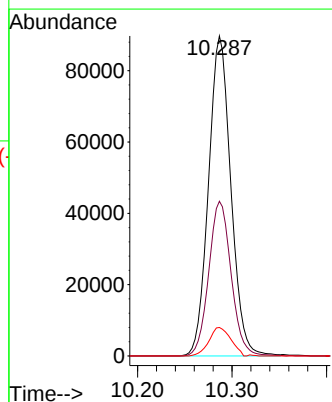
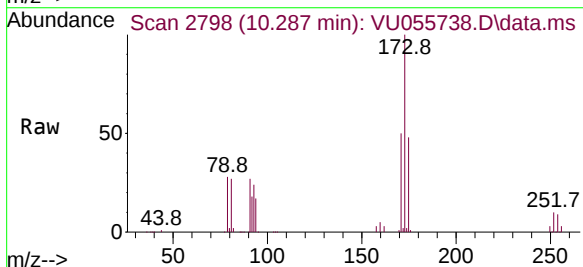
Instrument :
MSVOA_U
ClientSampleId :

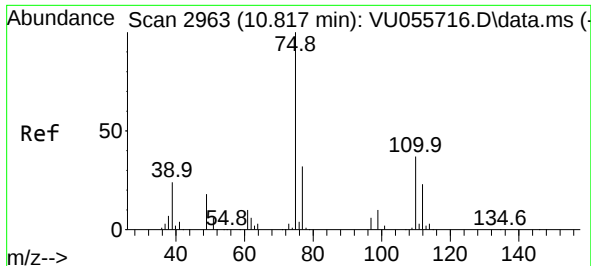
Tgt Ion: 83 Resp: 326815
Ion Ratio Lower Upper
83 100
85 62.2 44.9 83.5
131 9.1 7.3 10.9



#59
Bromoform
Concen: 48.712 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion:173 Resp: 147468
Ion Ratio Lower Upper
173 100
175 48.4 40.4 60.6
254 8.7 7.3 10.9

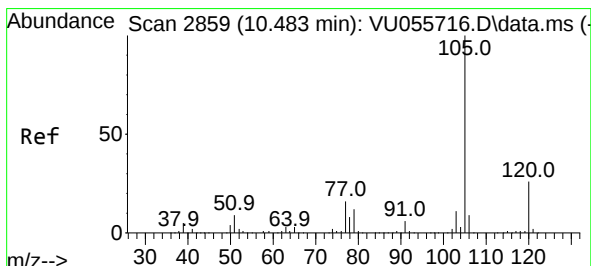
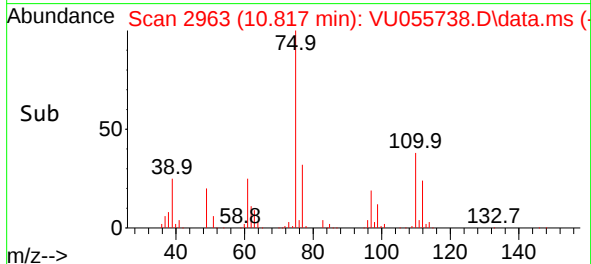
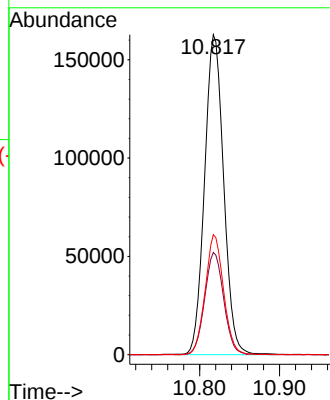
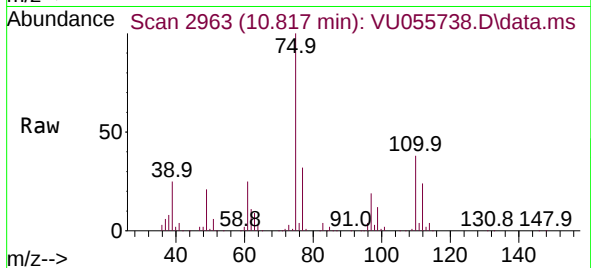




#60
1,2,3-Trichloropropane
Concen: 50.677 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

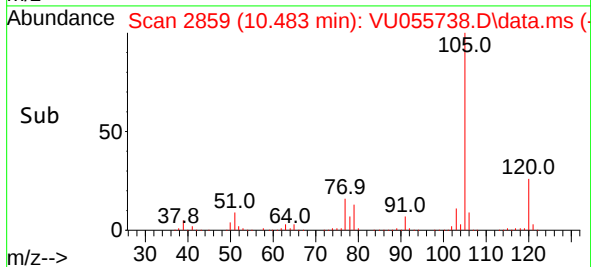
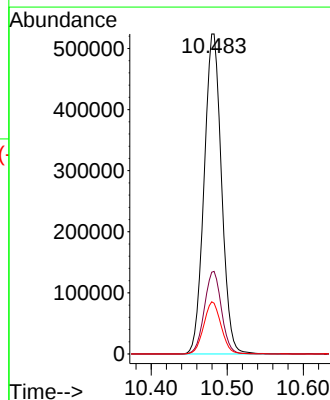
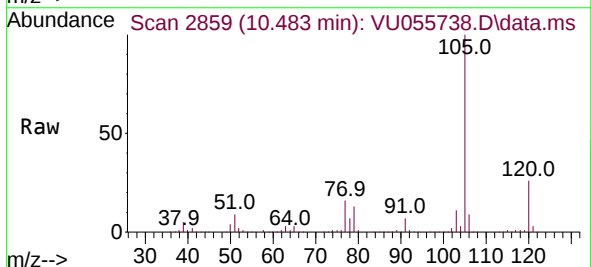
Instrument :
MSVOA_U
ClientSampleId :

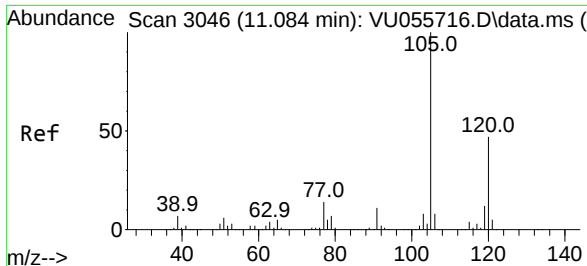
Tgt Ion: 75 Resp: 270475
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8
110 36.0 28.5 42.7



#61
Isopropylbenzene
Concen: 54.172 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion: 105 Resp: 830518
Ion Ratio Lower Upper
105 100
120 25.5 20.6 30.8
77 16.3 13.4 20.0

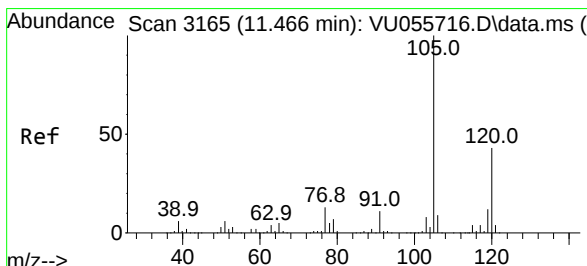
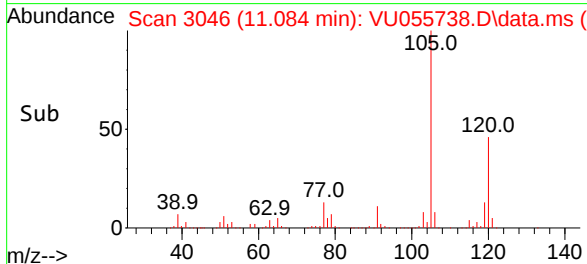
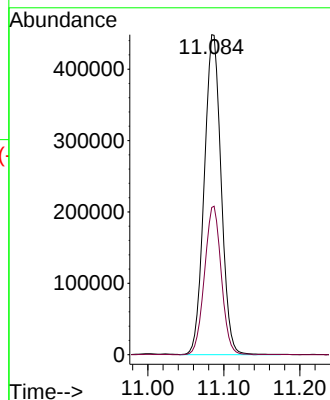
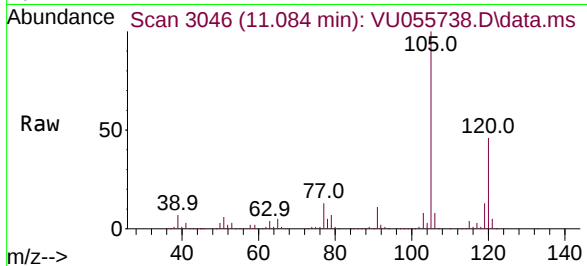




#62
1,3,5-Trimethylbenzene
Concen: 55.698 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

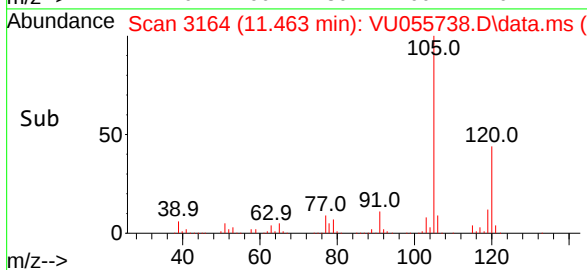
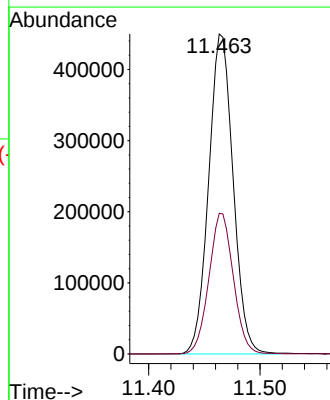
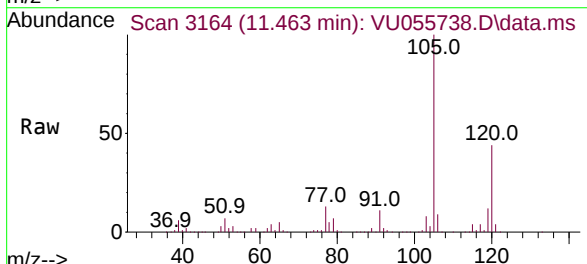
Instrument :
MSVOA_U
ClientSampleId :

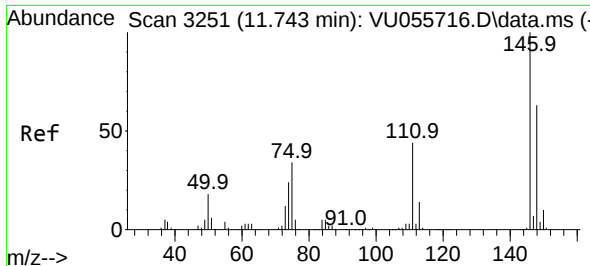
Tgt Ion:105 Resp: 690955
Ion Ratio Lower Upper
105 100
120 46.0 37.7 56.5



#63
1,2,4-Trimethylbenzene
Concen: 56.001 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion:105 Resp: 686941
Ion Ratio Lower Upper
105 100
120 43.8 35.0 52.4

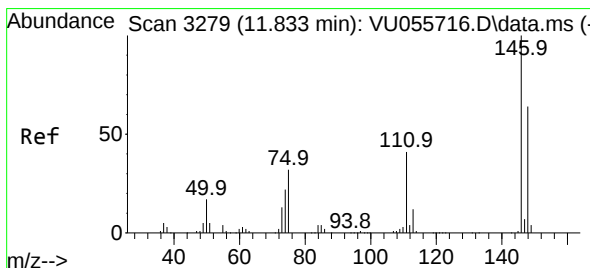
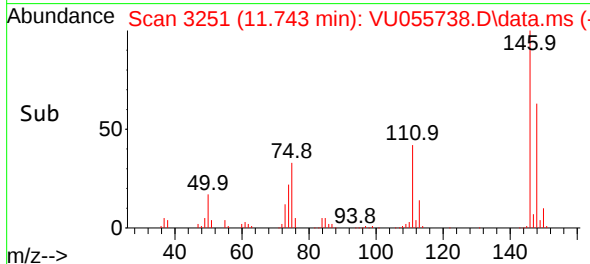
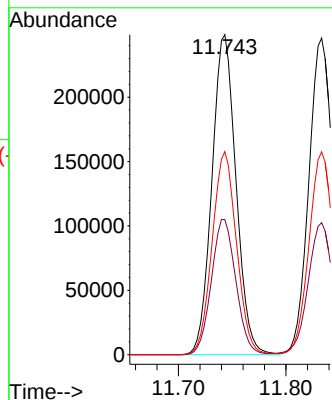
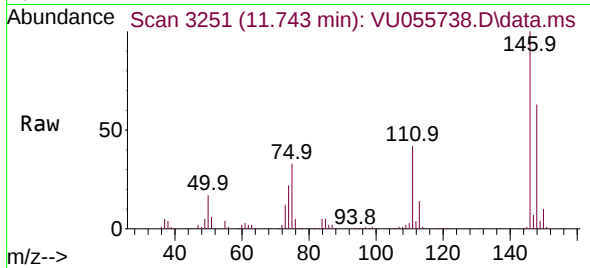




#64
1,3-Dichlorobenzene
Concen: 51.099 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

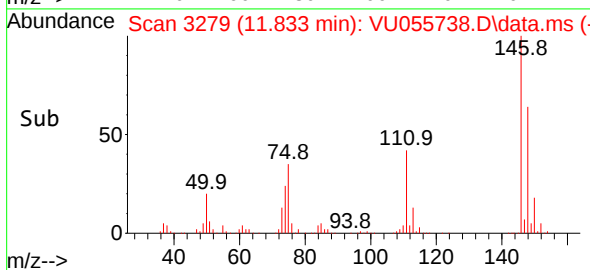
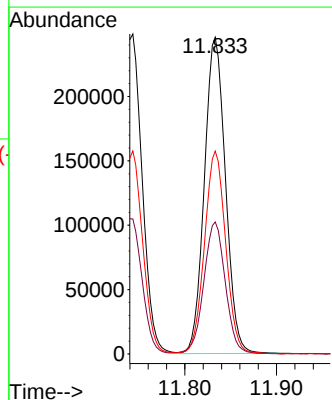
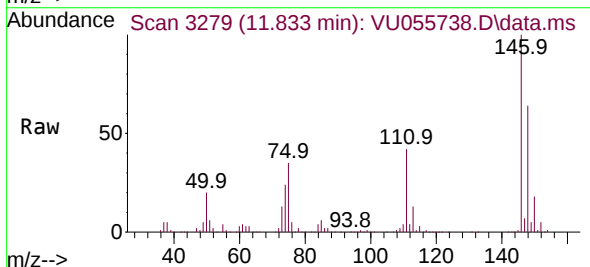
Instrument :
MSVOA_U
ClientSampleId :

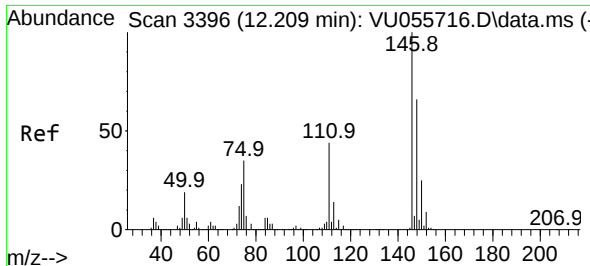
Tgt Ion:146 Resp: 387264
Ion Ratio Lower Upper
146 100
111 42.2 29.7 55.1
148 63.4 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 50.434 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055738.D
Acq: 11 Oct 2023 10:26

Tgt Ion:146 Resp: 392978
Ion Ratio Lower Upper
146 100
111 41.7 28.6 53.0
148 64.1 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 51.874 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

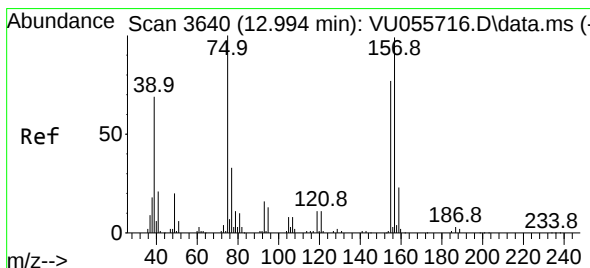
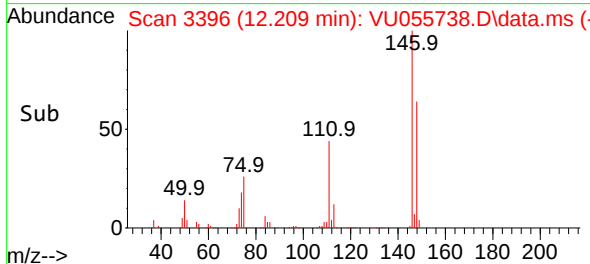
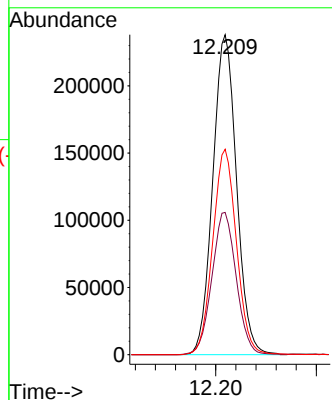
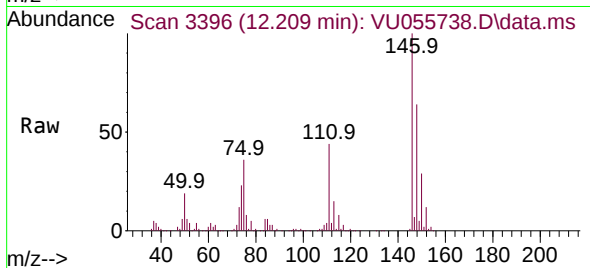
Tgt Ion:146 Resp: 390145

Ion Ratio Lower Upper

146 100

111 44.5 35.2 52.8

148 64.2 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 49.432 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

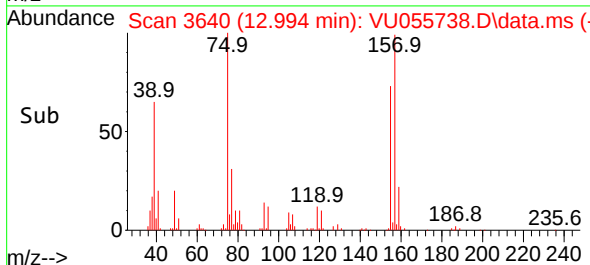
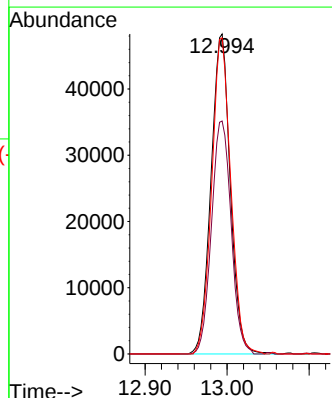
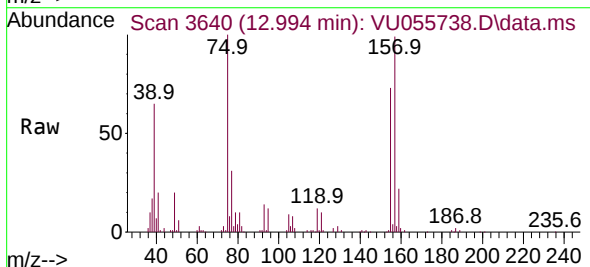
Tgt Ion: 75 Resp: 78876

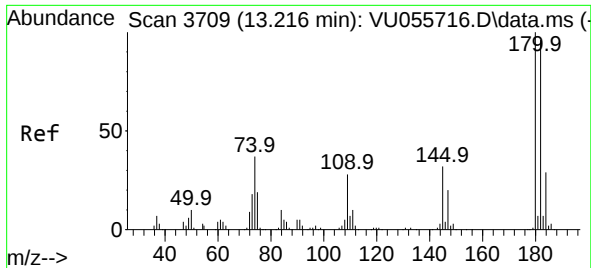
Ion Ratio Lower Upper

75 100

155 72.8 59.6 89.4

157 102.2 77.7 116.5





#69

1,3,5-Trichlorobenzene

Concen: 51.213 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

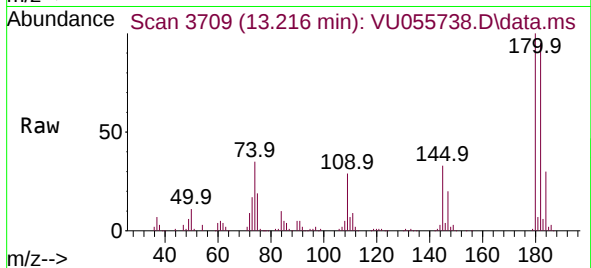
Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 258893

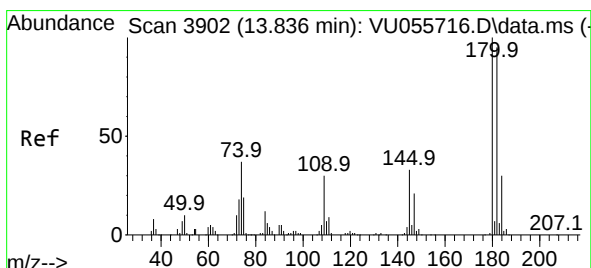
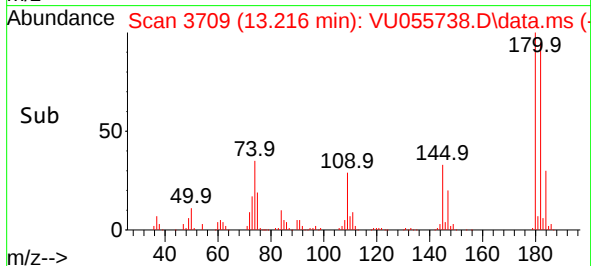
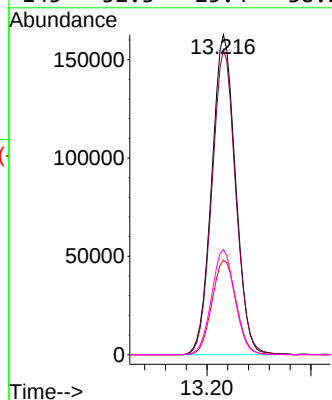
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.2

184 30.1 23.9 35.9

145 32.3 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 51.236 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

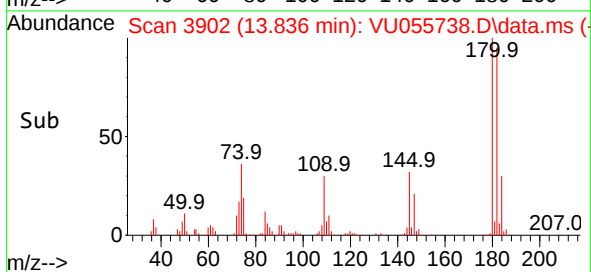
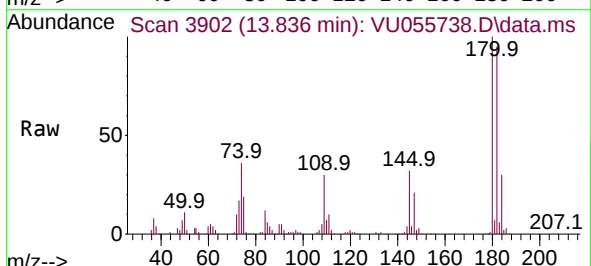
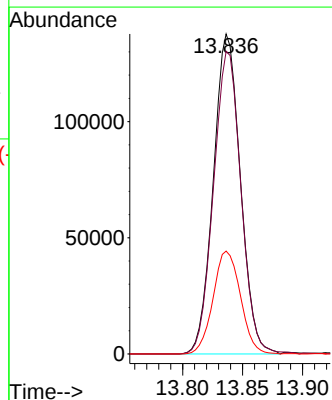
Tgt Ion:180 Resp: 215743

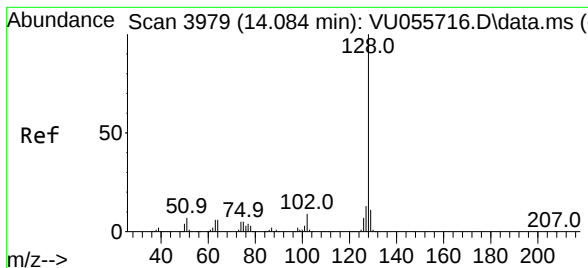
Ion Ratio Lower Upper

180 100

182 95.9 75.4 113.2

145 32.5 26.1 39.1





#71

Naphthalene

Concen: 55.819 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

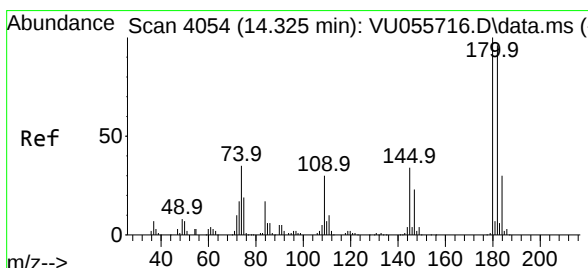
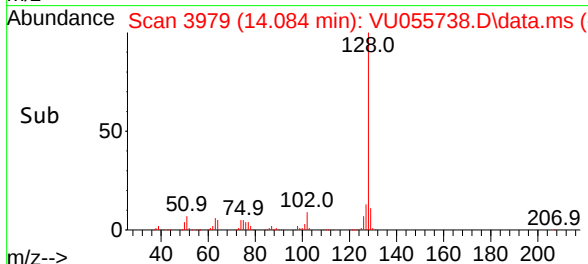
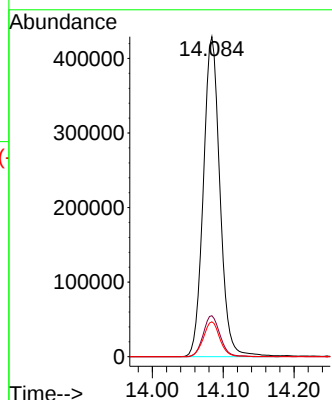
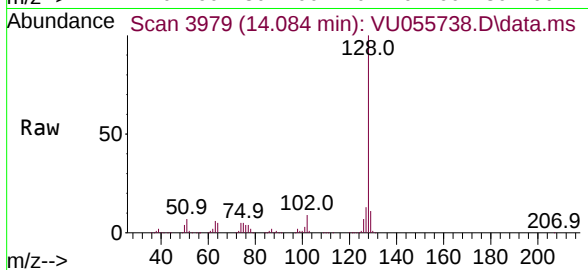
Tgt Ion:128 Resp: 698199

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 52.597 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU055738.D

Acq: 11 Oct 2023 10:26

Tgt Ion:180 Resp: 218356

Ion Ratio Lower Upper

180 100

182 95.5 78.1 117.1

145 34.6 27.4 41.0

