

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110723\
 Data File : VU056090.D
 Acq On : 07 Nov 2023 09:45
 Operator : MD/SY
 Sample : VSTD005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 08 00:16:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 08 00:14:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	377148	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	366163	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	181727	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	119416	5.101	ug/L	0.00
7) Chloroethane-d5	1.907	69	86731	5.459	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	51629	5.006	ug/L	0.00
20) 2-Butanone-d5	4.621	46	201229	55.006	ug/L	0.00
24) Chloroform-d	5.055	84	233462	5.239	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	98302	5.010	ug/L	0.00
32) Benzene-d6	5.721	84	465403	5.292	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	136560	5.275	ug/L	0.00
41) Toluene-d8	7.894	98	426189	5.289	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	51890	5.244	ug/L	0.00
46) 2-Hexanone-d5	8.627	63	168848	52.441	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	93121	5.040	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	138166	4.930	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	161787	5.058	ug/L	100
3) Chloromethane	1.515	50	154502	5.156	ug/L	100
5) Vinyl chloride	1.602	62	158926	5.127	ug/L	100
6) Bromomethane	1.853	94	89036	5.001	ug/L	100
8) Chloroethane	1.927	64	91474	5.443	ug/L	100
9) Trichlorofluoromethane	2.132	101	211048	5.148	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	134824	5.162	ug/L	100
12) 1,1-Dichloroethene	2.576	96	125827	5.191	ug/L	100
13) Acetone	2.628	43	142391	50.274	ug/L	100
14) Carbon disulfide	2.788	76	429181	5.196	ug/L	100
15) Methyl Acetate	2.949	43	40503	5.068	ug/L	100
16) Methylene chloride	3.039	84	140833	5.067	ug/L	100
17) Methyl tert-butyl Ether	3.357	73	282901	5.180	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	132413	5.155	ug/L	100
19) 1,1-Dichloroethane	3.862	63	245308	5.235	ug/L	100
21) 2-Butanone	4.698	43	246145	52.697	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	145404	5.244	ug/L	100
23) Bromochloromethane	4.968	128	63196	5.137	ug/L	100
25) Chloroform	5.081	83	257474	5.157	ug/L	100
27) 1,2-Dichloroethane	5.788	62	147494	5.219	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	218179	5.201	ug/L	100
30) Cyclohexane	5.383	56	205192	5.235	ug/L	100
31) Carbon tetrachloride	5.518	117	191790	5.149	ug/L	100
33) Benzene	5.769	78	560917	5.350	ug/L	100
34) Trichloroethene	6.537	95	150004	5.238	ug/L	100
35) Methylcyclohexane	6.759	83	218478	5.133	ug/L	100
37) 1,2-Dichloropropane	6.785	63	141542	5.191	ug/L	100
38) Bromodichloromethane	7.100	83	172950	5.080	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	201984	5.249	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	625411	52.441	ug/L	100
42) Toluene	7.965	91	589456	5.333	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	163338	5.242	ug/L	100

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 ClientSampleId :

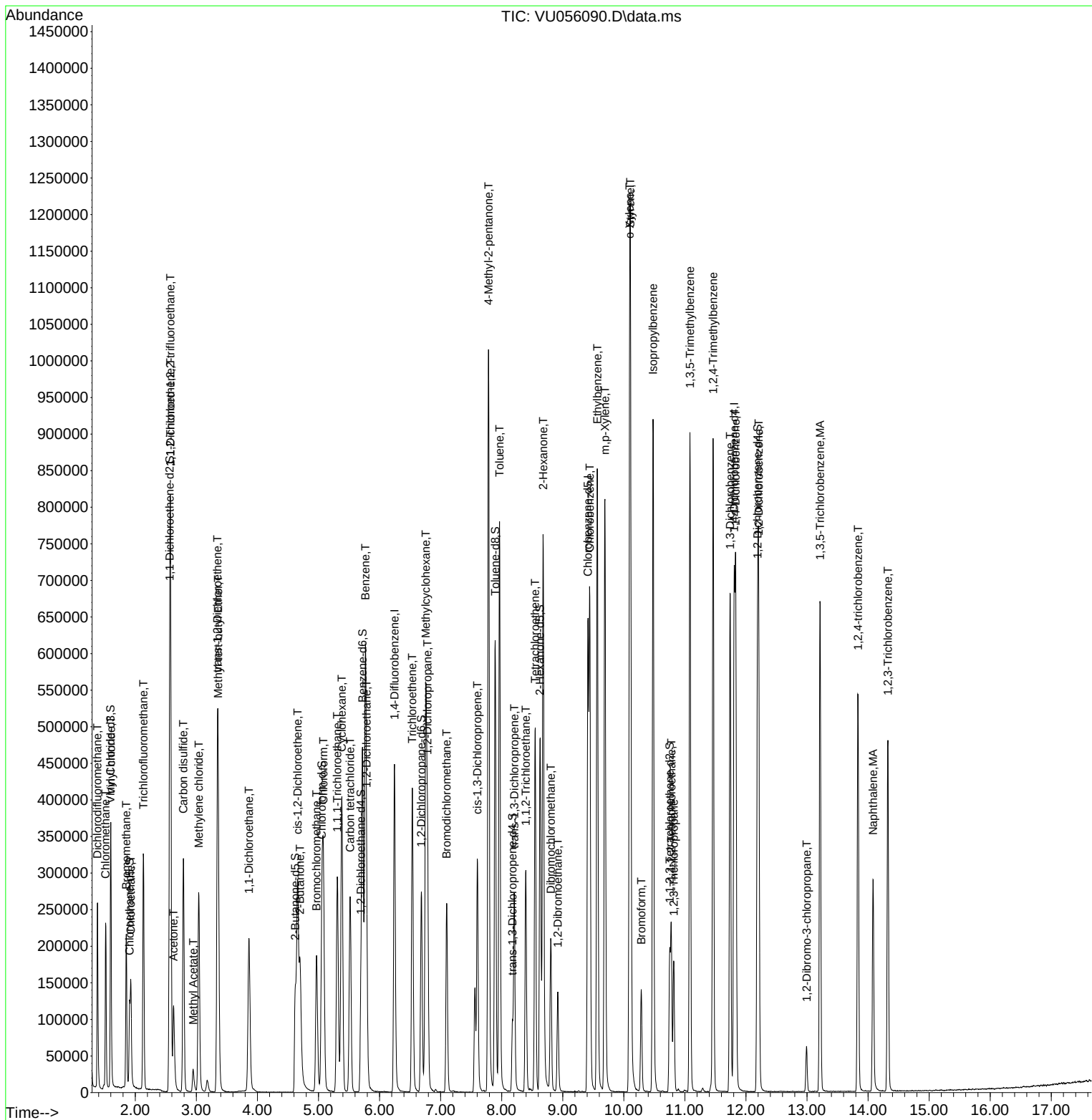
Quant Time: Nov 08 00:16:07 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 08 00:14:39 2023
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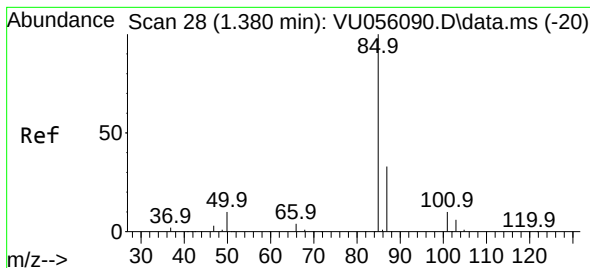
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.396	97	96915	5.200	ug/L	100
47) Tetrachloroethene	8.550	164	113323	5.272	ug/L	100
48) 2-Hexanone	8.679	43	462579	54.220	ug/L	100
49) Dibromochloromethane	8.804	129	111362	5.207	ug/L	100
50) 1,2-Dibromoethane	8.920	107	90809	5.214	ug/L	100
51) Chlorobenzene	9.444	112	370087	5.190	ug/L	100
52) Ethylbenzene	9.566	91	636623	5.285	ug/L	100
53) m,p-Xylene	9.692	106	244699	5.342	ug/L	100
54) o-Xylene	10.097	106	235430	5.361	ug/L	100
55) Styrene	10.110	104	395562	5.506	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	113507	5.182	ug/L	100
59) Bromoform	10.286	173	64062	5.076	ug/L	100
60) Isopropylbenzene	10.479	105	625252	5.307	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	80678	5.143	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	503135	5.265	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	499171	5.325	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	292410	5.240	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	280429	5.082	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	264775	5.149	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	17382	5.253	ug/L	100
69) 1,3,5-Trichlorobenzene	13.216	180	214357	5.129	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	170090	5.130	ug/L	100
71) Naphthalene	14.084	128	249893	5.172	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	149022	5.126	ug/L	100

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

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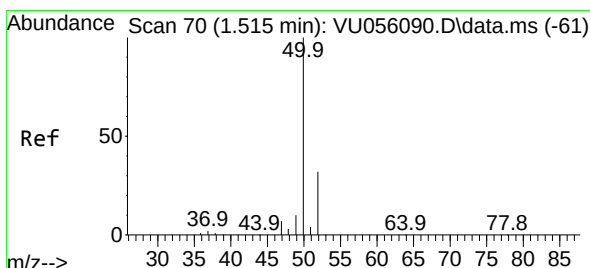
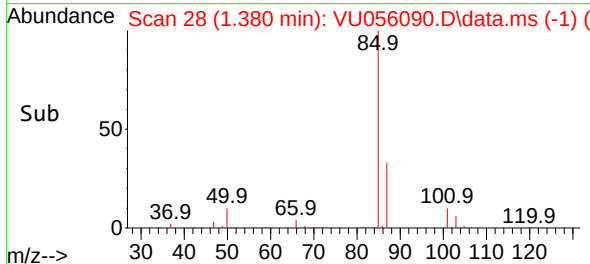
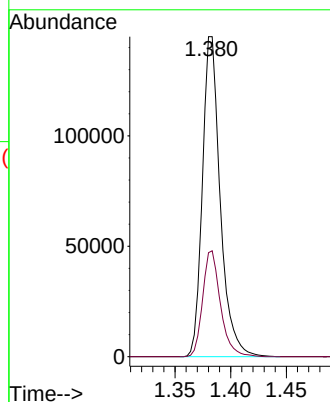
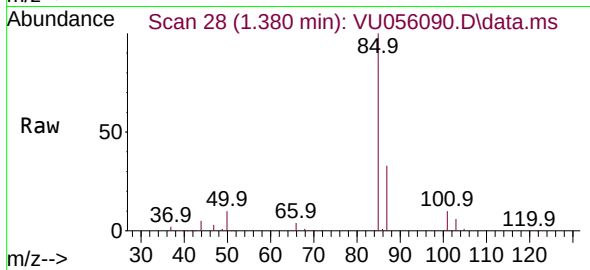




#2
 Dichlorodifluoromethane
 Concen: 5.058 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU056090.D
 Acq: 07 Nov 2023 09:45

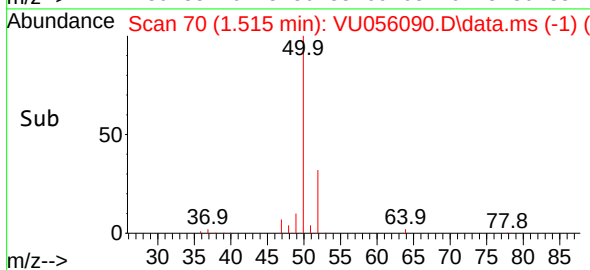
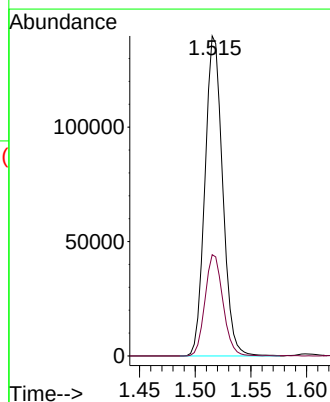
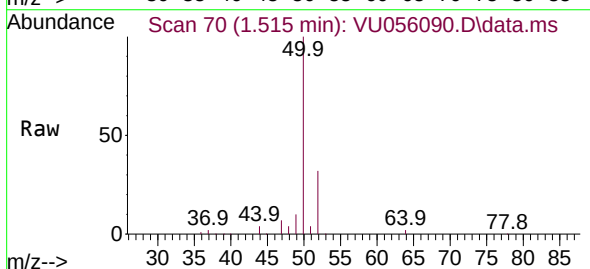
Instrument :
 MSVOA_U
 ClientSampleId :

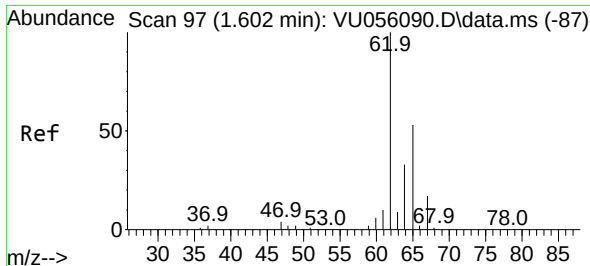
Tgt Ion: 85 Resp: 161787
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.4 39.6



#3
 Chloromethane
 Concen: 5.156 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU056090.D
 Acq: 07 Nov 2023 09:45

Tgt Ion: 50 Resp: 154502
 Ion Ratio Lower Upper
 50 100
 52 31.7 22.2 41.2

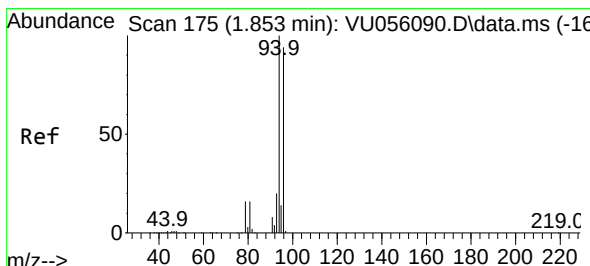
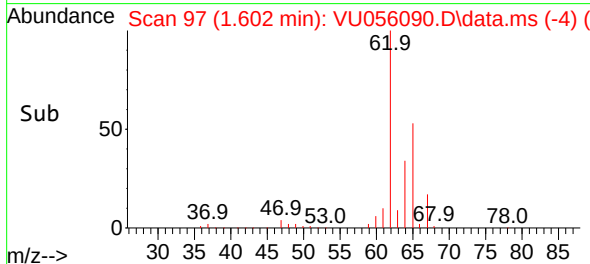
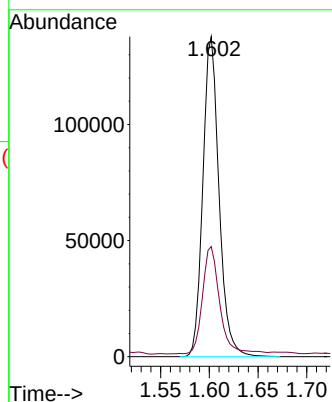
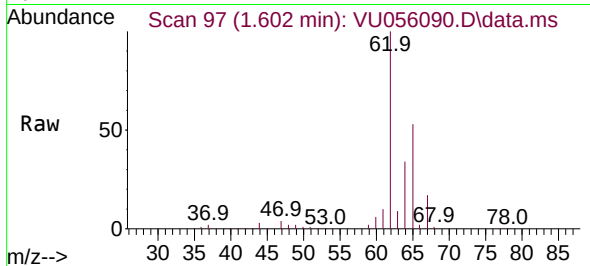




#5
 Vinyl chloride
 Concen: 5.127 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056090.D
 Acq: 07 Nov 2023 09:45

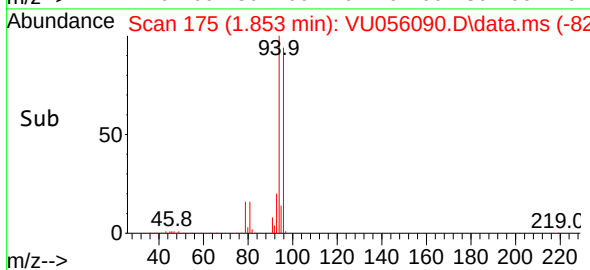
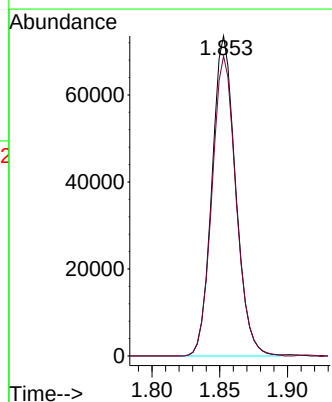
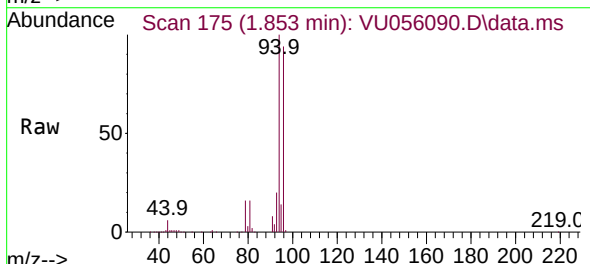
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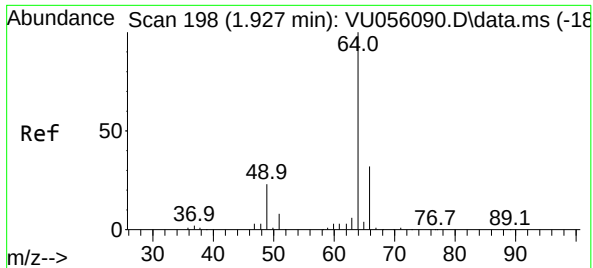
Tgt Ion: 62 Resp: 158926
 Ion Ratio Lower Upper
 62 100
 64 34.4 24.1 44.7



#6
 Bromomethane
 Concen: 5.001 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU056090.D
 Acq: 07 Nov 2023 09:45

Tgt Ion: 94 Resp: 89036
 Ion Ratio Lower Upper
 94 100
 96 93.7 65.6 121.8





#8

Chloroethane

Concen: 5.443 ug/L

RT: 1.927 min Scan# 198

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

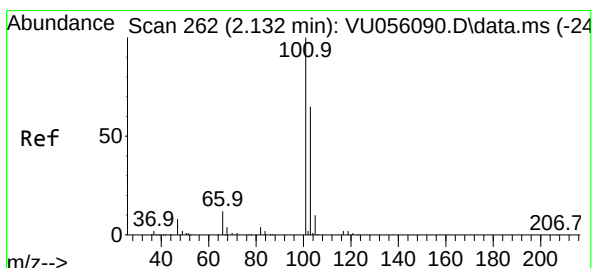
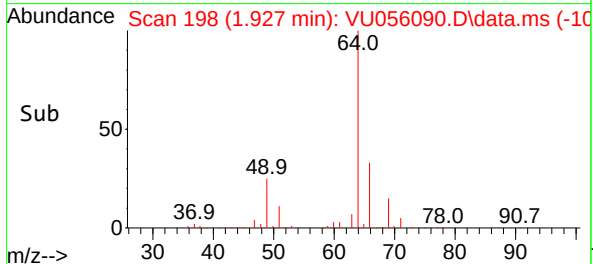
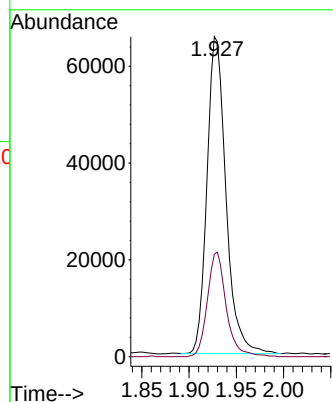
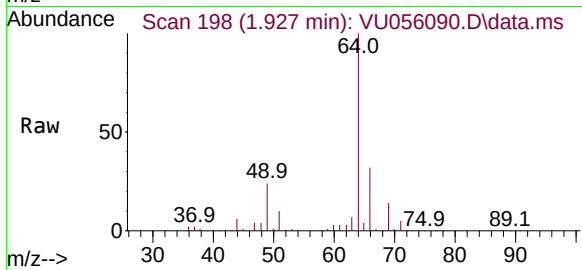
ClientSampleId :

Tgt Ion: 64 Resp: 91474

Ion Ratio Lower Upper

64 100

66 32.0 22.4 41.6



#9

Trichlorofluoromethane

Concen: 5.148 ug/L

RT: 2.132 min Scan# 262

Delta R.T. 0.000 min

Lab File: VU056090.D

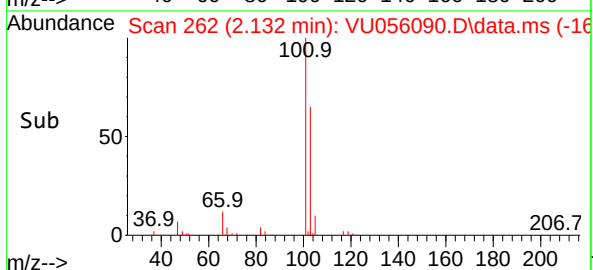
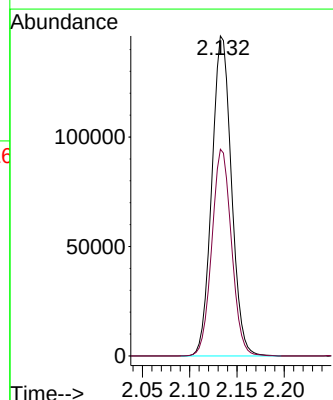
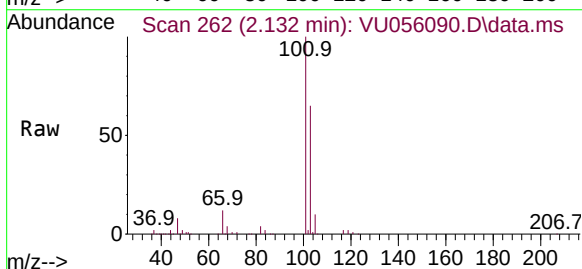
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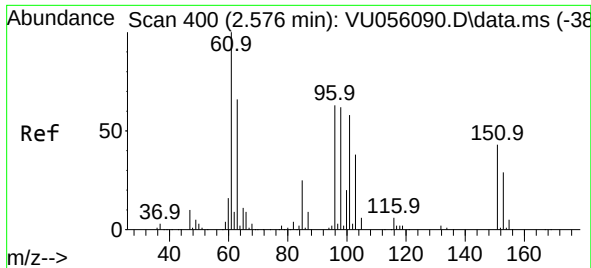
Tgt Ion:101 Resp: 211048

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.6

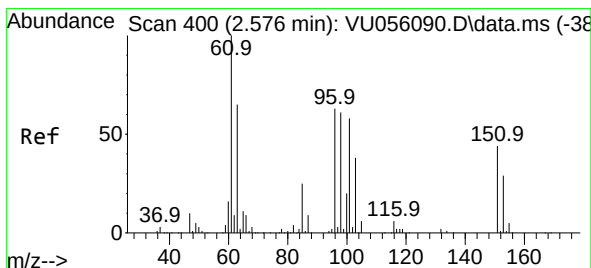
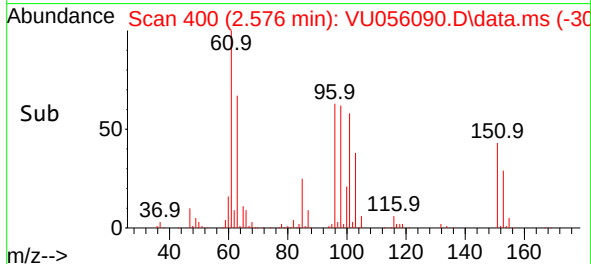
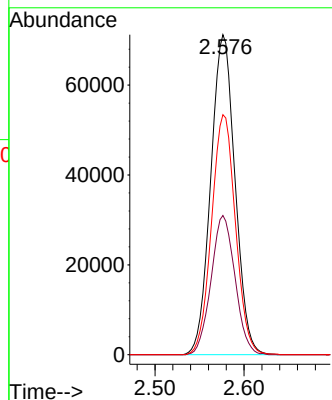
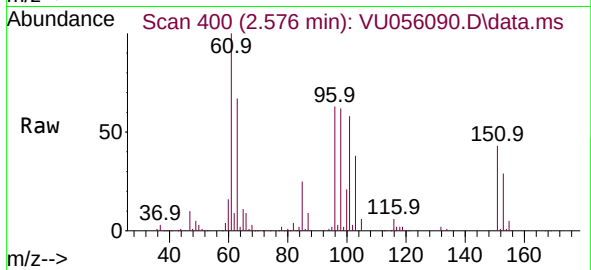




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.162 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056090.D
 Acq: 07 Nov 2023 09:45

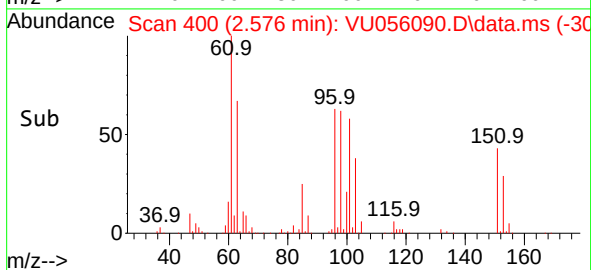
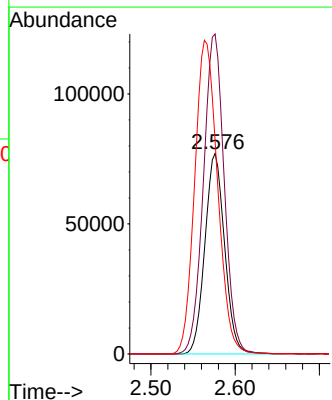
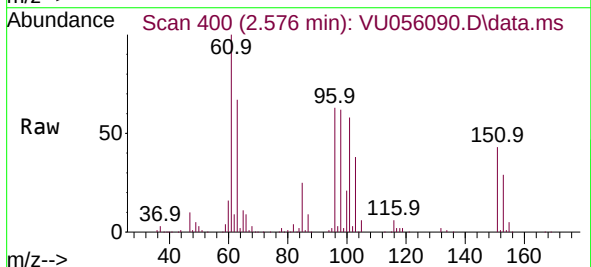
Instrument :
 MSVOA_U
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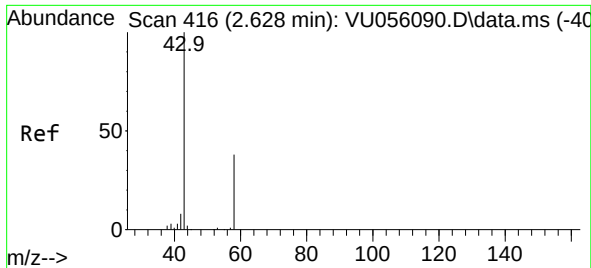
Tgt Ion:101 Resp: 134824
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.2 51.4
 151 74.1 59.3 88.9



#12
 1,1-Dichloroethene
 Concen: 5.191 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056090.D
 Acq: 07 Nov 2023 09:45

Tgt Ion: 96 Resp: 125827
 Ion Ratio Lower Upper
 96 100
 61 159.6 111.7 207.5
 63 106.4 74.5 138.3





#13

Acetone

Concen: 50.274 ug/L

RT: 2.628 min Scan# 416

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

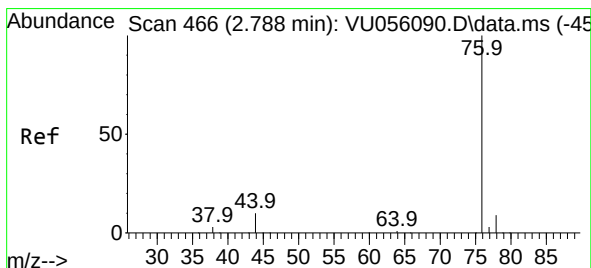
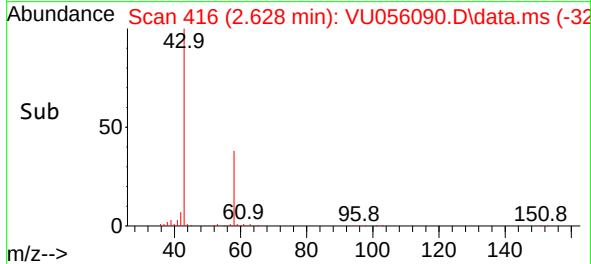
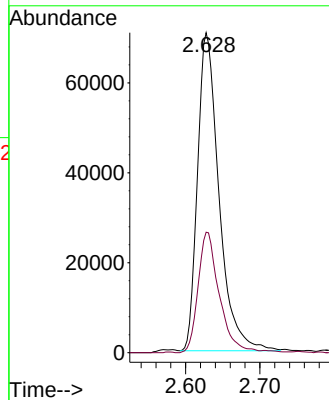
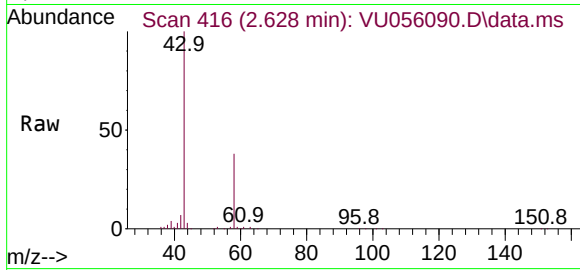
ClientSampleId :

Tgt Ion: 43 Resp: 142391

Ion Ratio Lower Upper

43 100

58 37.2 0.0 74.4



#14

Carbon disulfide

Concen: 5.196 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056090.D

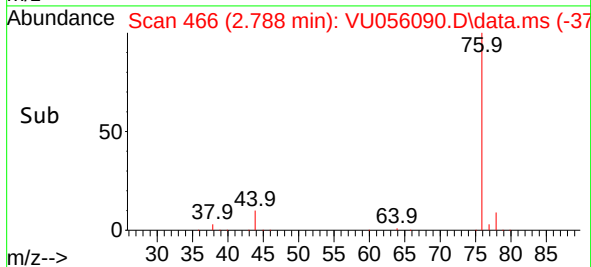
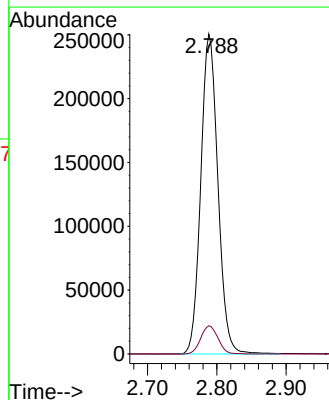
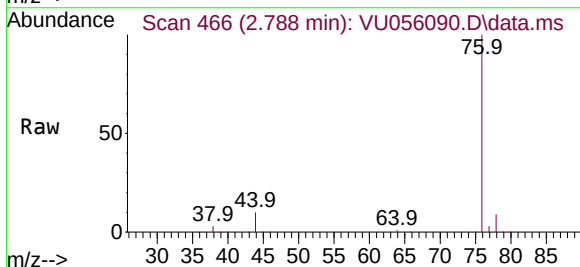
Acq: 07 Nov 2023 09:45

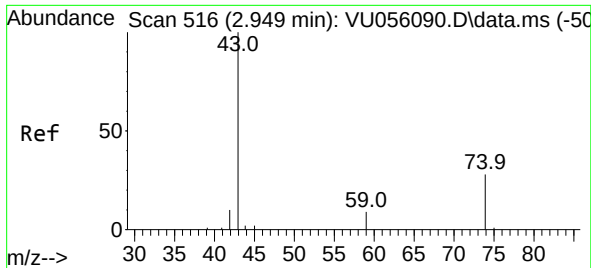
Tgt Ion: 76 Resp: 429181

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6





#15

Methyl Acetate

Concen: 5.068 ug/L

RT: 2.949 min Scan# 516

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

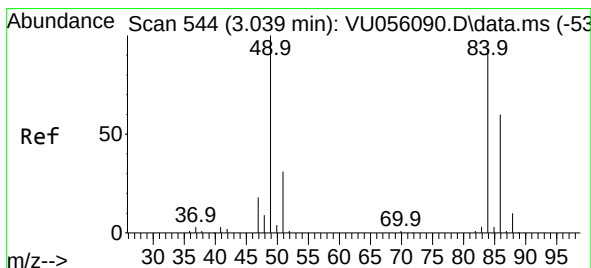
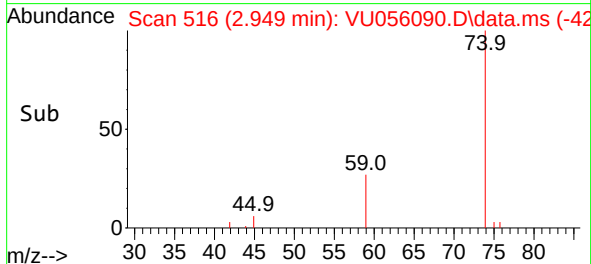
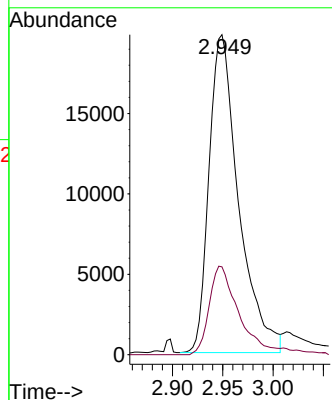
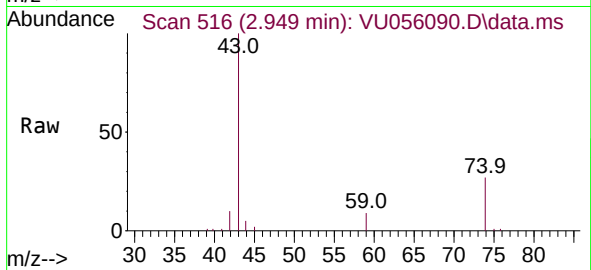
ClientSampleId :

Tgt Ion: 43 Resp: 40503

Ion Ratio Lower Upper

43 100

74 29.1 23.3 34.9



#16

Methylene chloride

Concen: 5.067 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

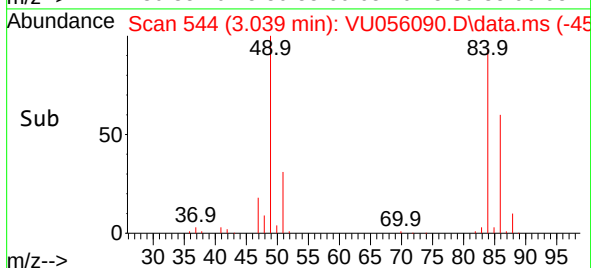
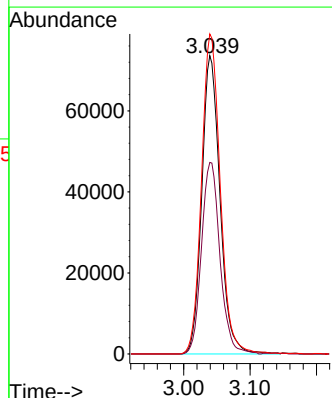
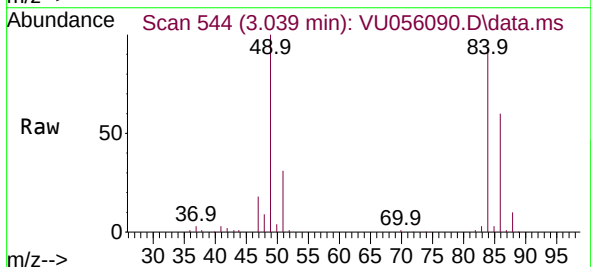
Tgt Ion: 84 Resp: 140833

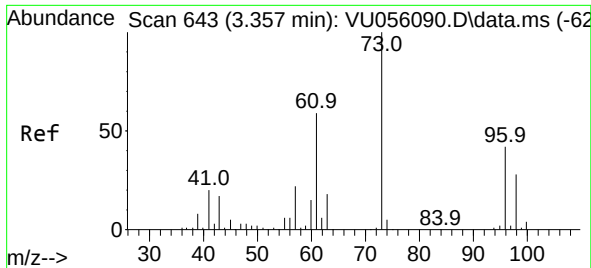
Ion Ratio Lower Upper

84 100

86 64.2 44.9 83.5

49 107.2 75.0 139.4

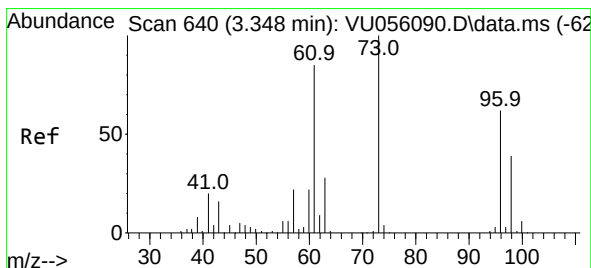
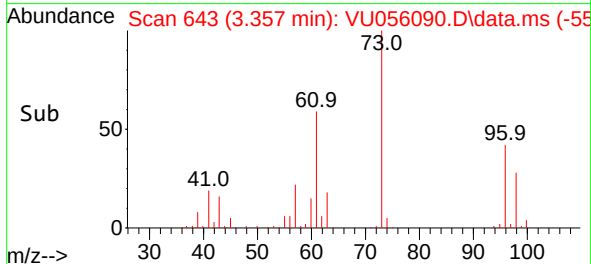
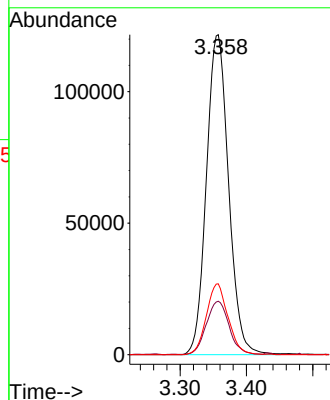
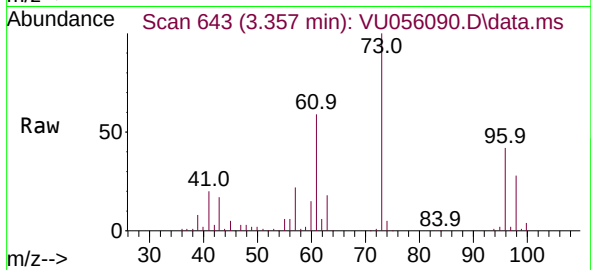




#17
Methyl tert-butyl Ether
Concen: 5.180 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

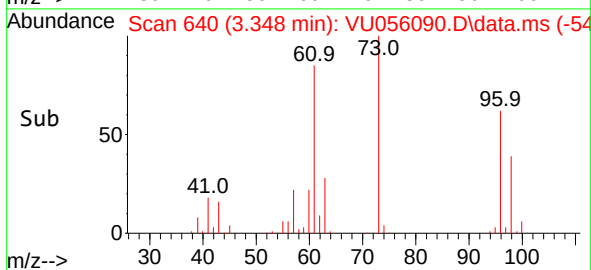
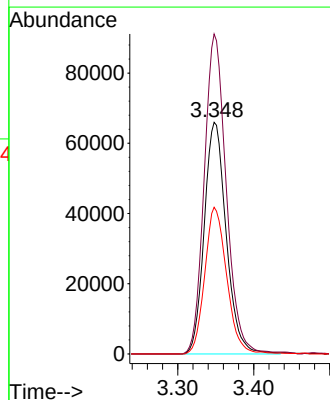
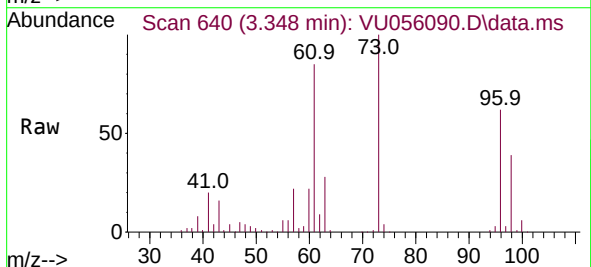
Instrument :
MSVOA_U
ClientSampleId :

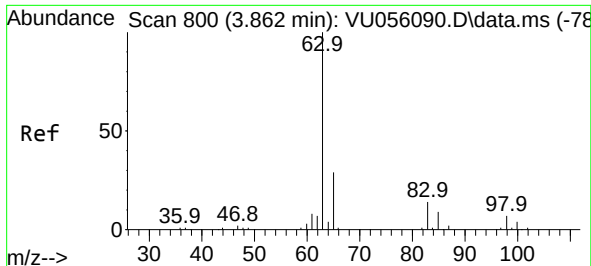
Tgt Ion: 73 Resp: 282901
Ion Ratio Lower Upper
73 100
43 17.0 13.6 20.4
57 21.6 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.155 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

Tgt Ion: 96 Resp: 132413
Ion Ratio Lower Upper
96 100
61 138.1 96.7 179.5
98 63.3 44.3 82.3

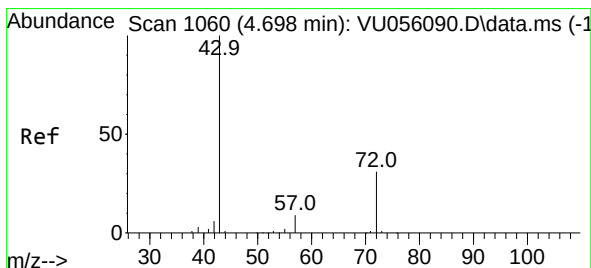
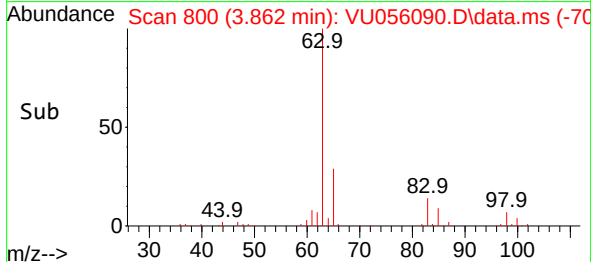
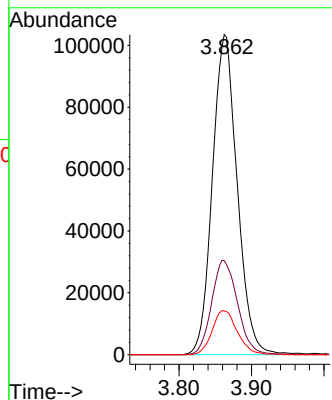
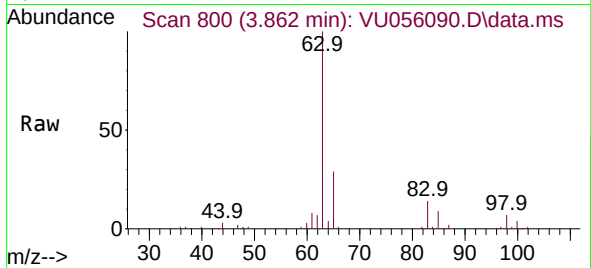




#19
1,1-Dichloroethane
Concen: 5.235 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

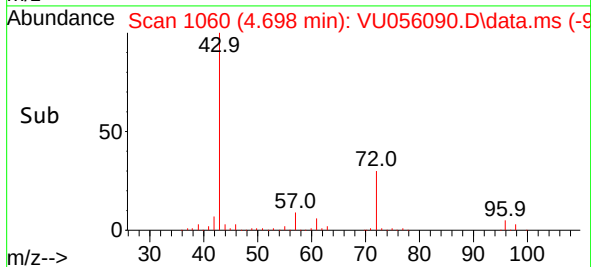
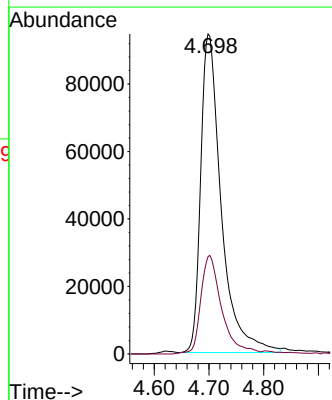
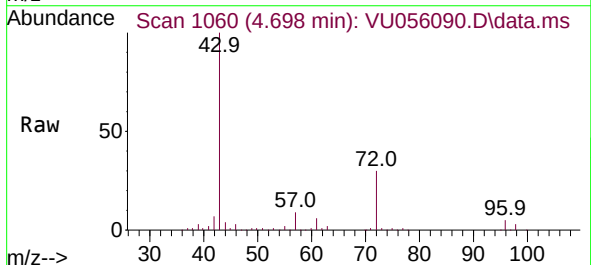
Instrument :
MSVOA_U
ClientSampleId :

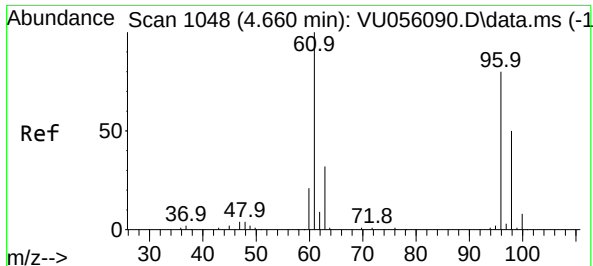
Tgt Ion: 63 Resp: 245308
Ion Ratio Lower Upper
63 100
65 29.4 20.6 38.2
83 13.7 9.6 17.8



#21
2-Butanone
Concen: 52.697 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

Tgt Ion: 43 Resp: 246145
Ion Ratio Lower Upper
43 100
72 31.3 15.7 47.0





#22

cis-1,2-Dichloroethene

Concen: 5.244 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

ClientSampleId :

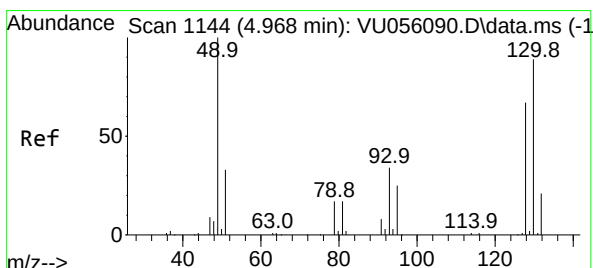
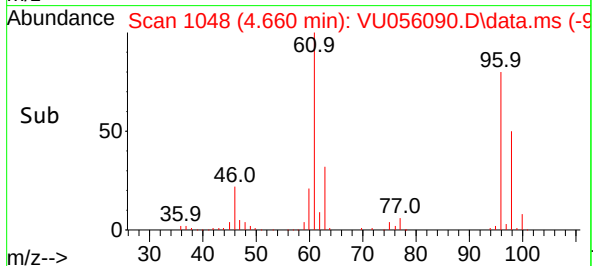
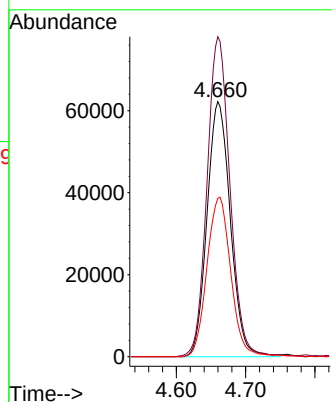
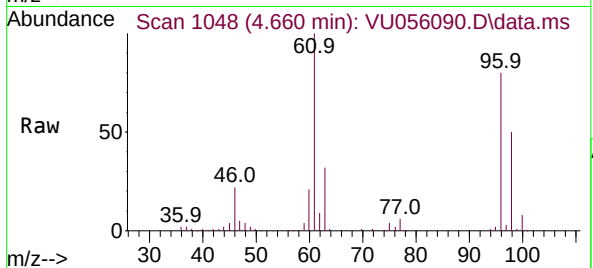
Tgt Ion: 96 Resp: 145404

Ion Ratio Lower Upper

96 100

61 125.5 87.8 163.2

98 62.1 43.5 80.7



#23

Bromochloromethane

Concen: 5.137 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Tgt Ion: 128 Resp: 63196

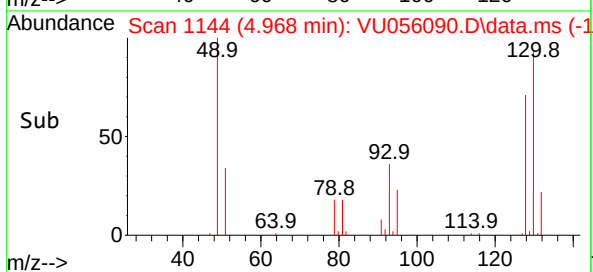
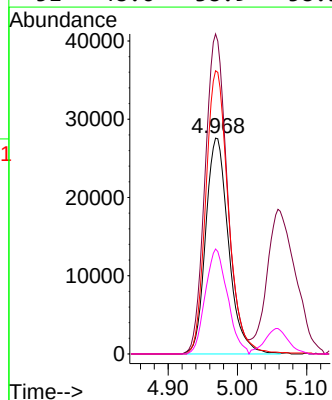
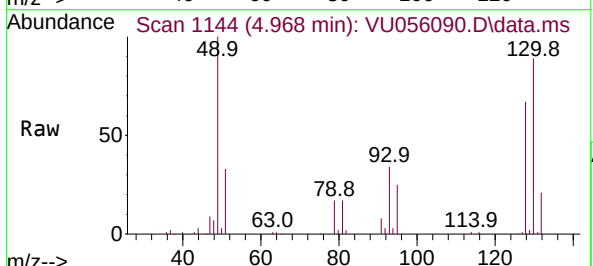
Ion Ratio Lower Upper

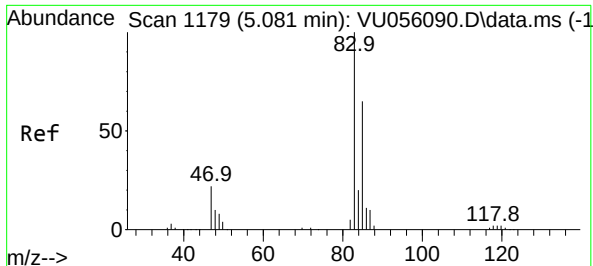
128 100

49 148.2 103.7 192.7

130 131.2 91.8 170.6

51 48.6 38.9 58.3





#25

Chloroform

Concen: 5.157 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

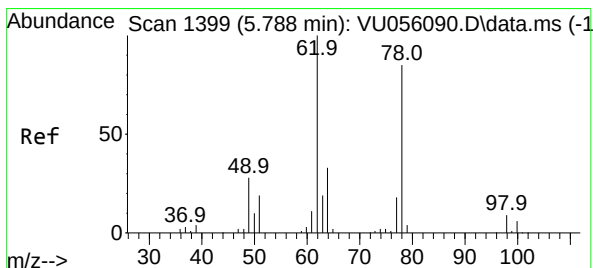
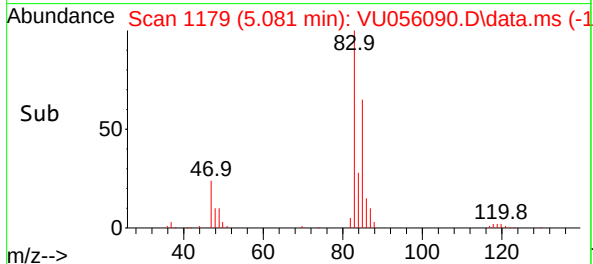
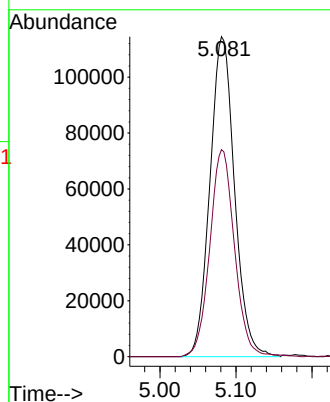
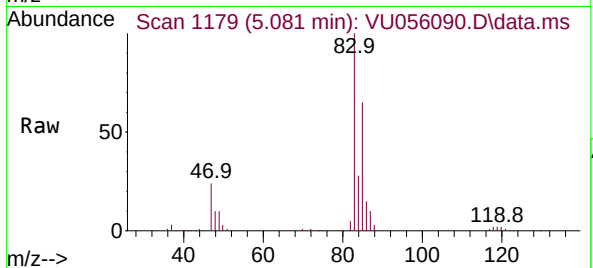
ClientSampleId :

Tgt Ion: 83 Resp: 257474

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1



#27

1,2-Dichloroethane

Concen: 5.219 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU056090.D

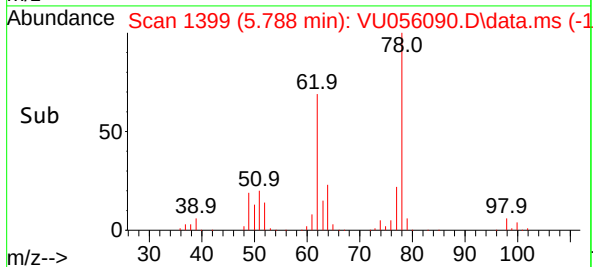
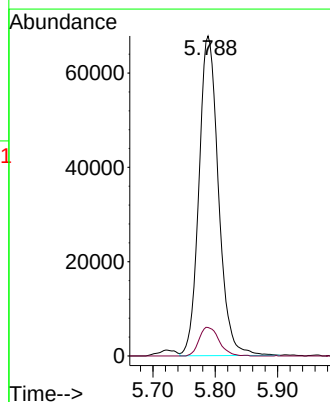
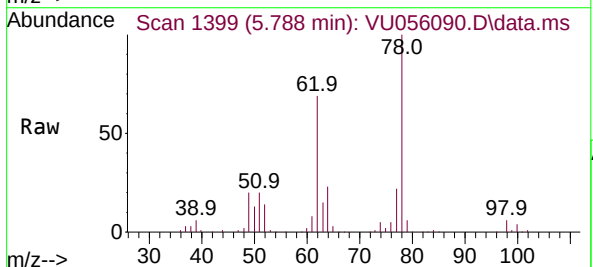
Acq: 07 Nov 2023 09:45

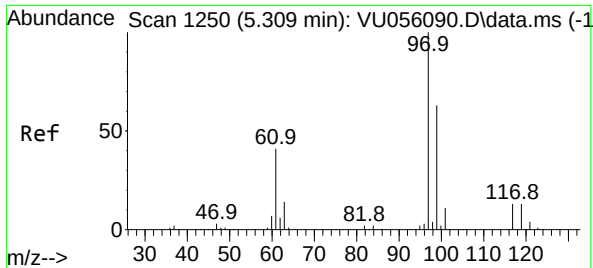
Tgt Ion: 62 Resp: 147494

Ion Ratio Lower Upper

62 100

98 8.9 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 5.201 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

ClientSampleId :

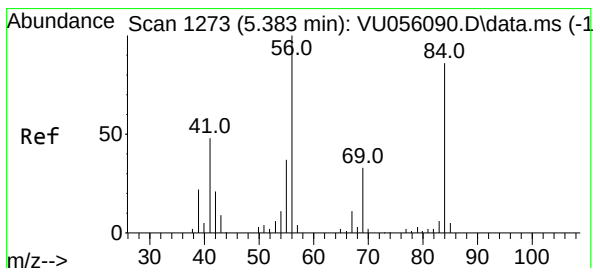
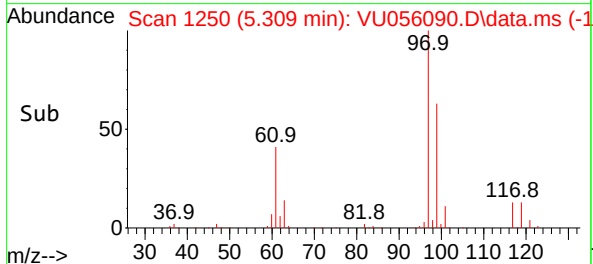
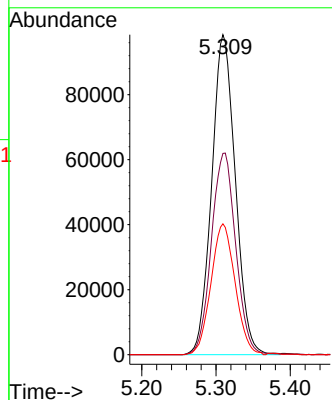
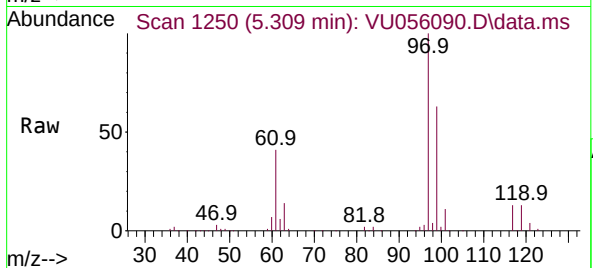
Tgt Ion: 97 Resp: 218179

Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

61 41.7 33.4 50.0



#30

Cyclohexane

Concen: 5.235 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

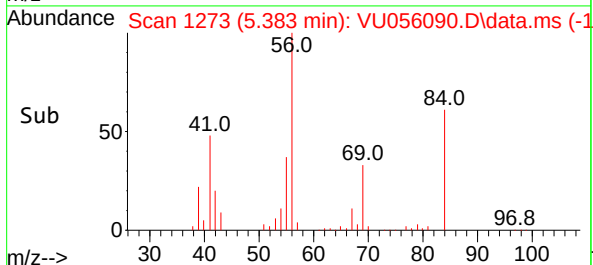
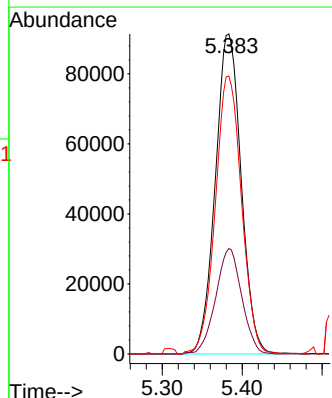
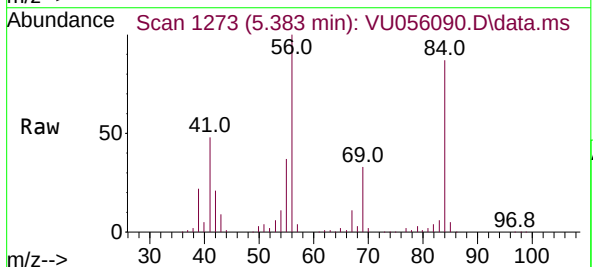
Tgt Ion: 56 Resp: 205192

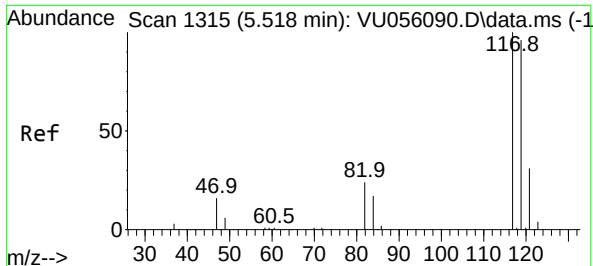
Ion Ratio Lower Upper

56 100

69 33.2 26.6 39.8

84 88.0 70.4 105.6

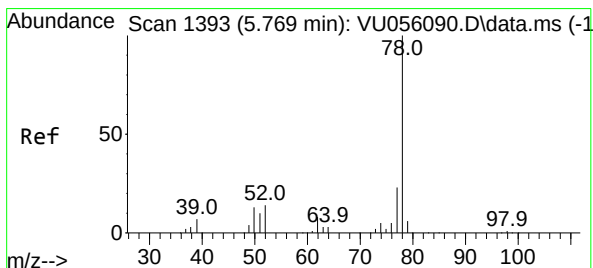
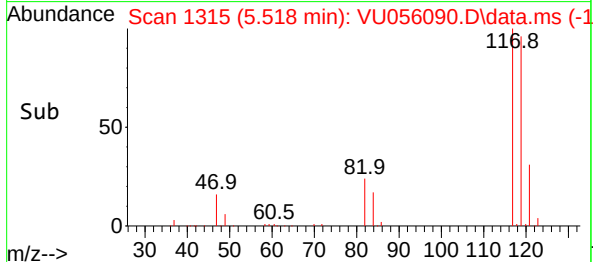
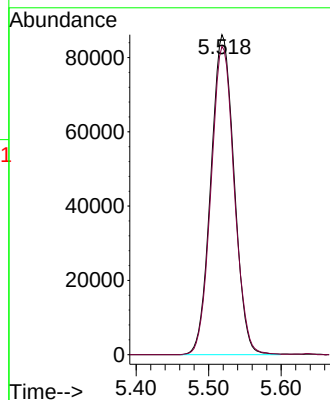
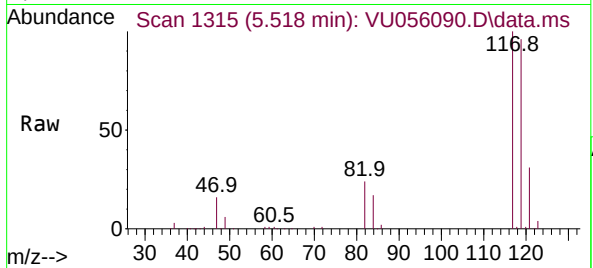




#31
Carbon tetrachloride
Concen: 5.149 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

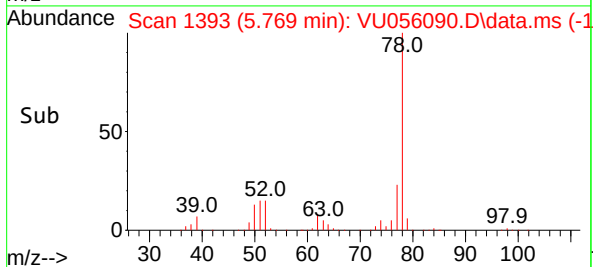
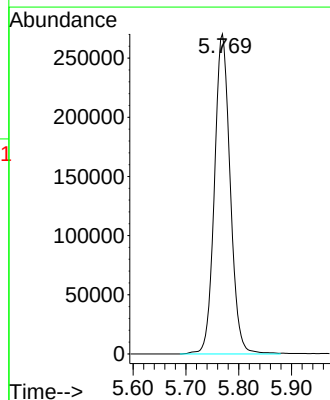
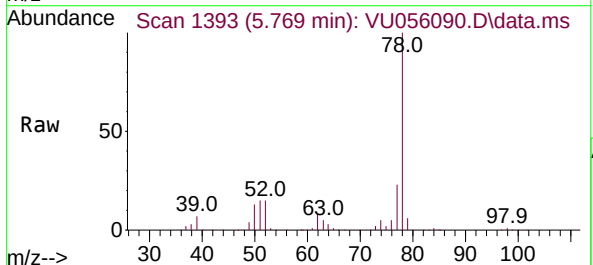
Instrument :
MSVOA_U
ClientSampleId :

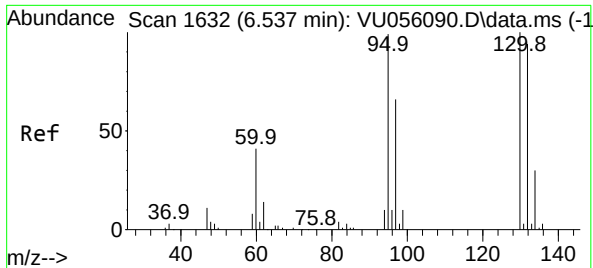
Tgt Ion:117 Resp: 191790
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8



#33
Benzene
Concen: 5.350 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

Tgt Ion: 78 Resp: 560917

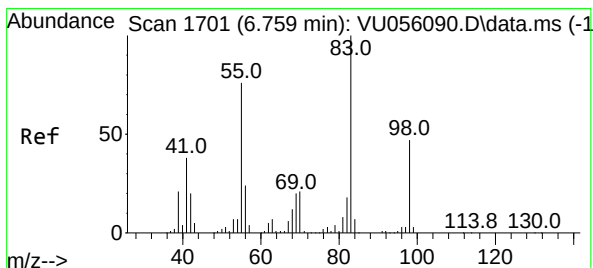
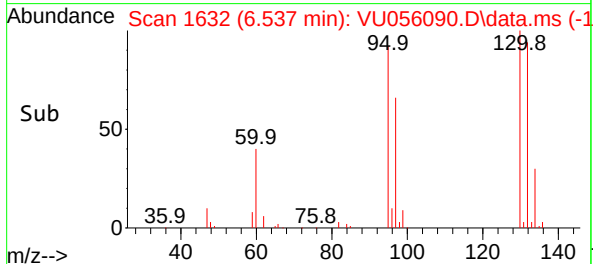
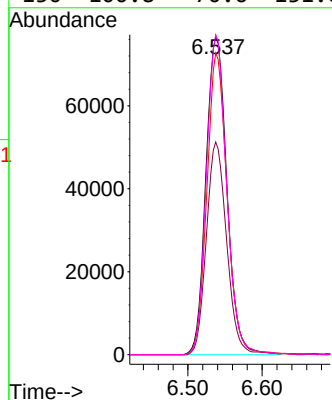
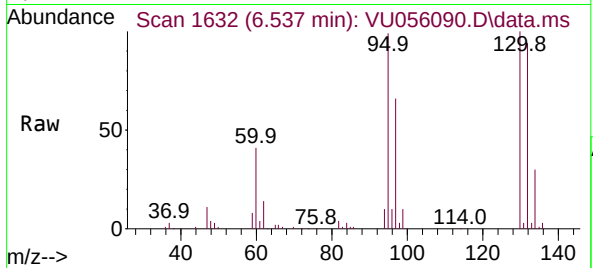




#34
Trichloroethene
Concen: 5.238 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

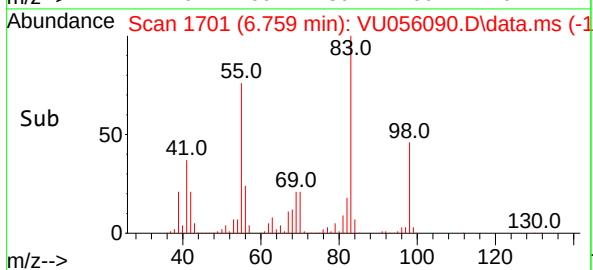
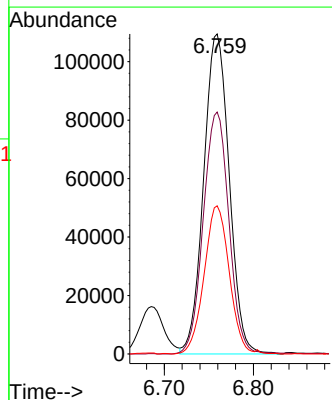
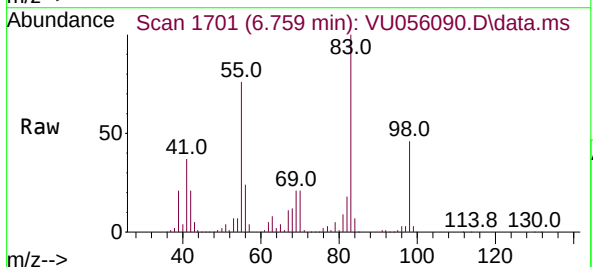
Instrument :
MSVOA_U
ClientSampleId :

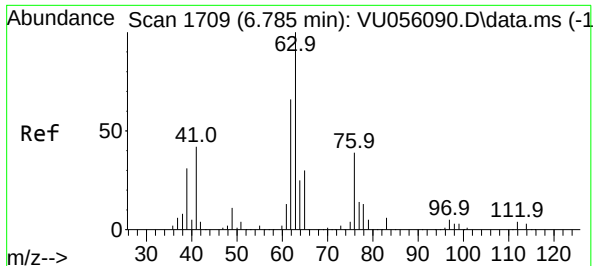
Tgt Ion: 95 Resp: 150004
Ion Ratio Lower Upper
95 100
97 66.9 46.8 87.0
132 95.0 66.5 123.5
130 100.8 70.6 131.0



#35
Methylcyclohexane
Concen: 5.133 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

Tgt Ion: 83 Resp: 218478
Ion Ratio Lower Upper
83 100
55 75.8 60.6 91.0
98 45.3 36.2 54.4





#37

1,2-Dichloropropane

Concen: 5.191 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

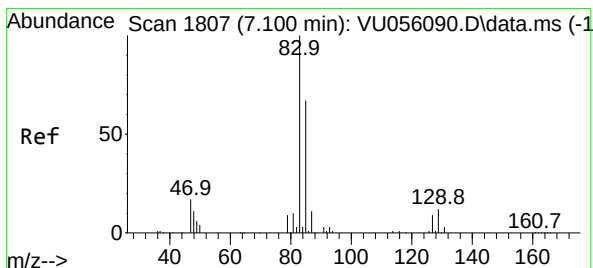
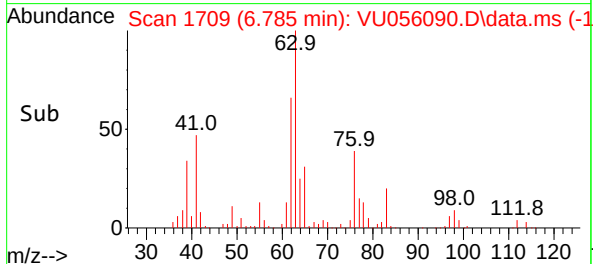
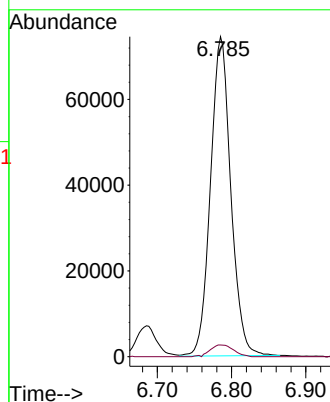
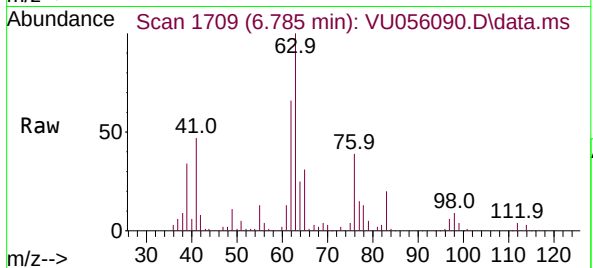
ClientSampleId :

Tgt Ion: 63 Resp: 141542

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#38

Bromodichloromethane

Concen: 5.080 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

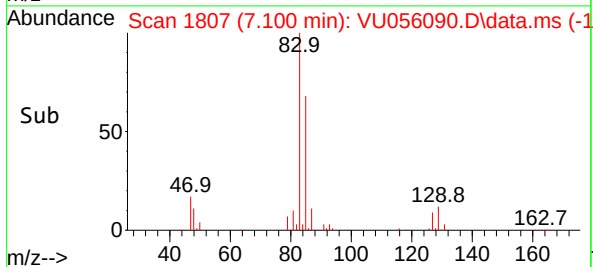
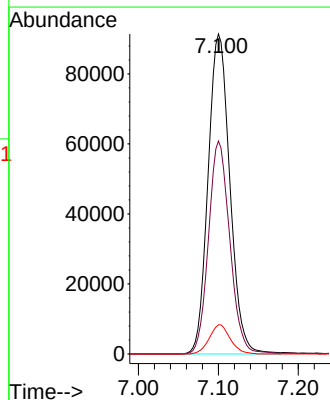
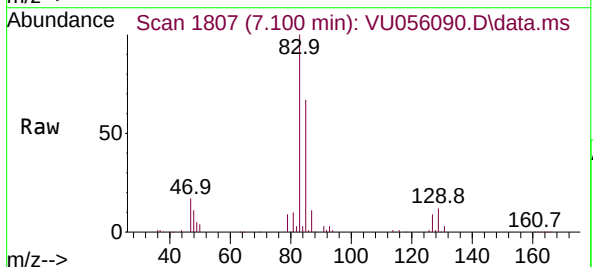
Tgt Ion: 83 Resp: 172950

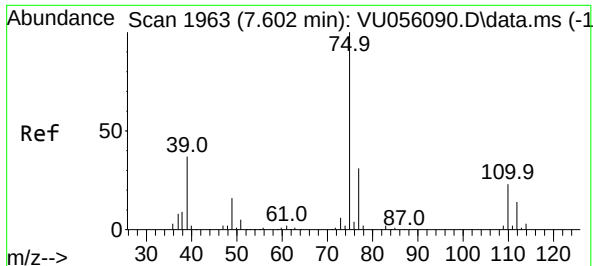
Ion Ratio Lower Upper

83 100

85 66.6 46.6 86.6

127 9.1 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.249 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

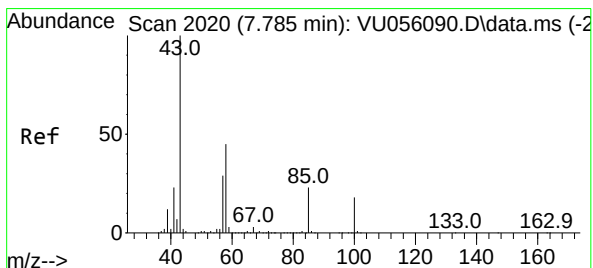
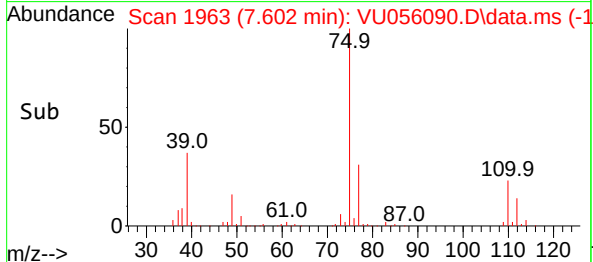
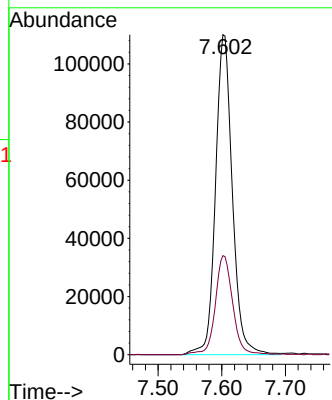
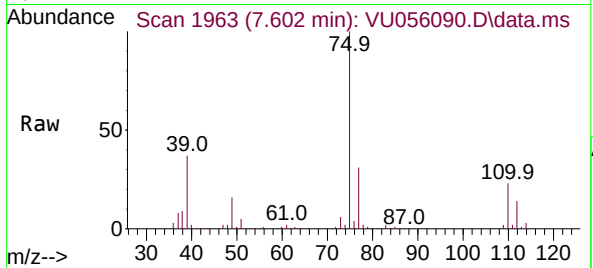
ClientSampleId :

Tgt Ion: 75 Resp: 201984

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 52.441 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

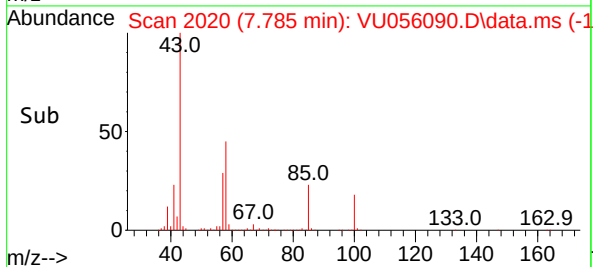
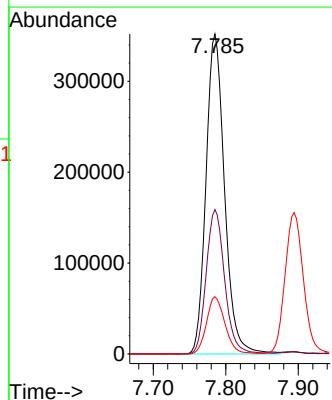
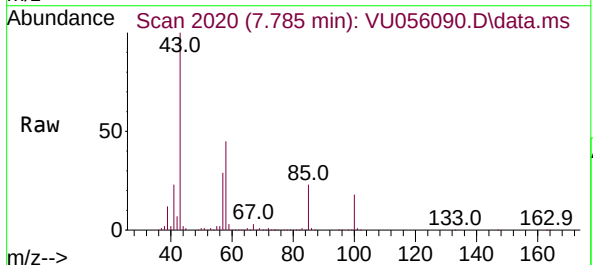
Tgt Ion: 43 Resp: 625411

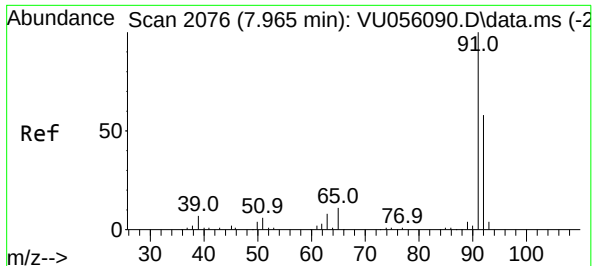
Ion Ratio Lower Upper

43 100

58 45.0 36.0 54.0

100 17.8 14.2 21.4





#42

Toluene

Concen: 5.333 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

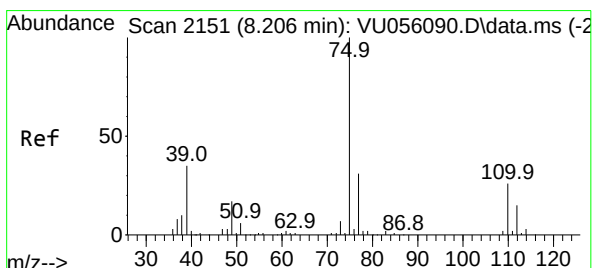
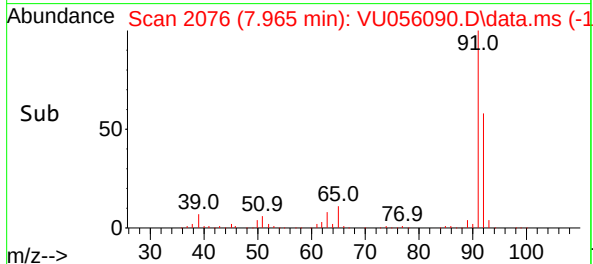
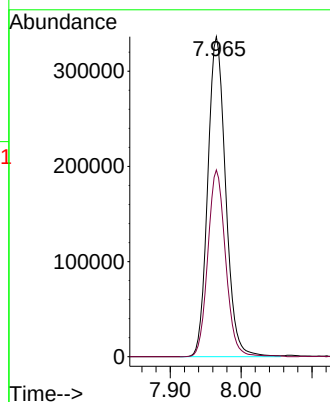
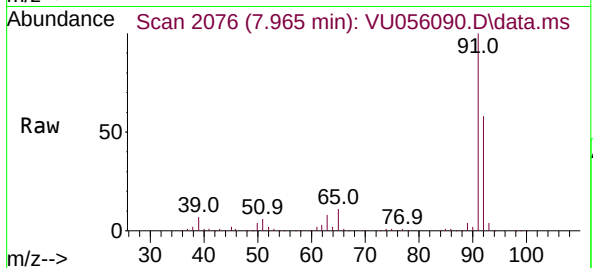
ClientSampleId :

Tgt Ion: 91 Resp: 589456

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.242 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056090.D

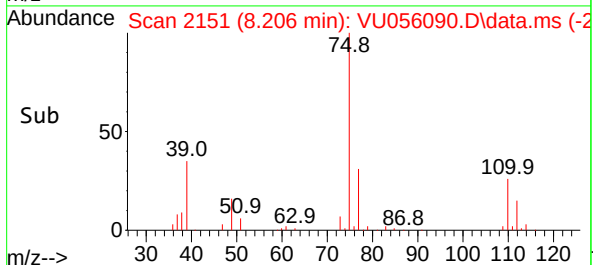
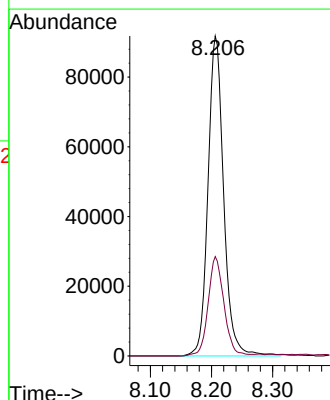
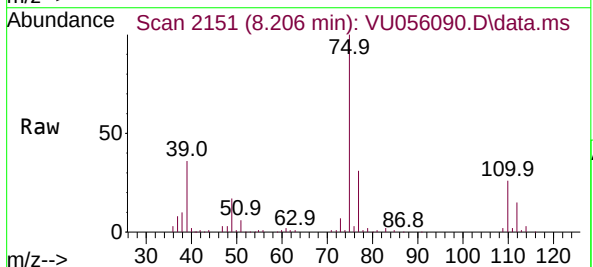
Acq: 07 Nov 2023 09:45

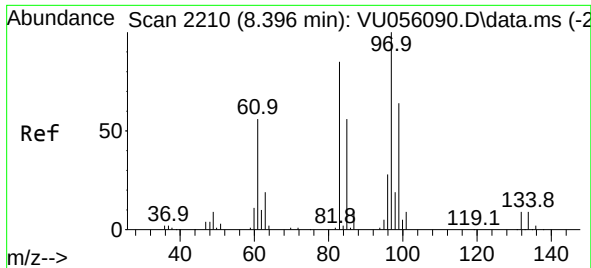
Tgt Ion: 75 Resp: 163338

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3

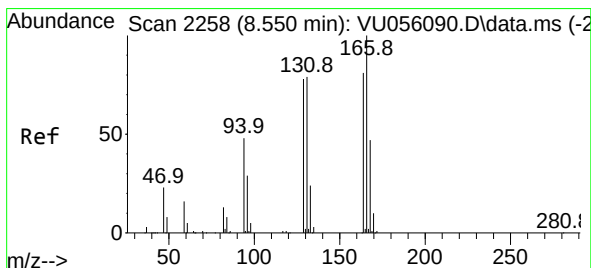
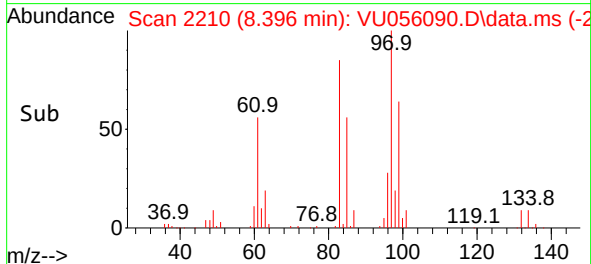
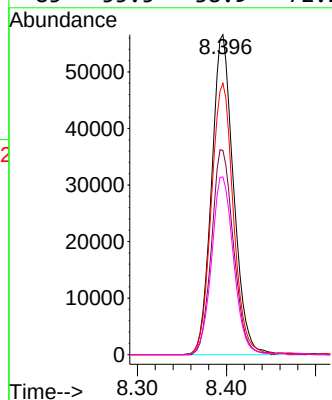
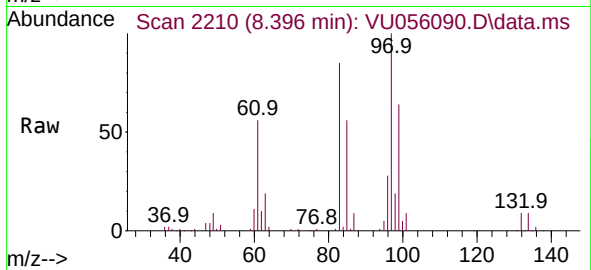




#45
1,1,2-Trichloroethane
Concen: 5.200 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

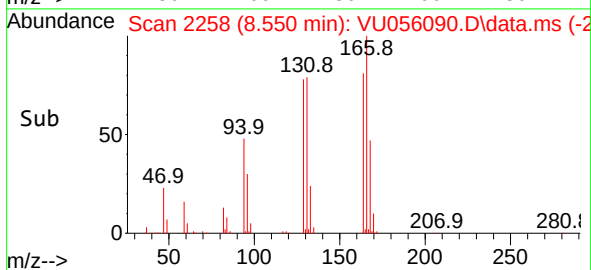
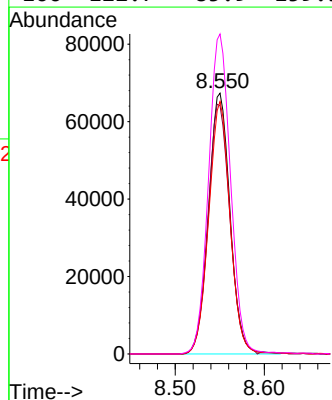
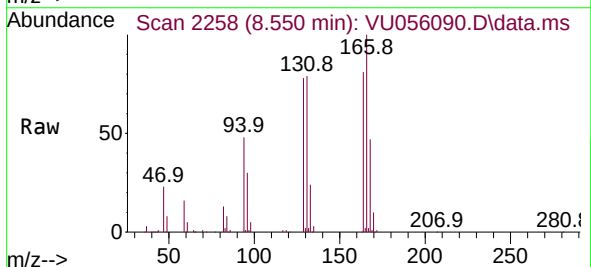
Instrument :
MSVOA_U
ClientSampleId :

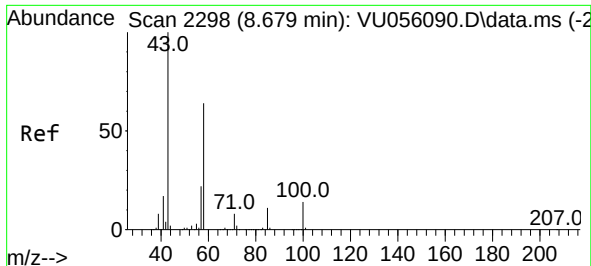
Tgt Ion:	97	Resp:	96915
Ion	Ratio	Lower	Upper
97	100		
99	63.8	44.7	82.9
83	84.8	59.4	110.2
85	55.5	38.9	72.2



#47
Tetrachloroethene
Concen: 5.272 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

Tgt Ion:	164	Resp:	113323
Ion	Ratio	Lower	Upper
164	100		
129	95.2	66.6	123.8
131	96.9	67.8	126.0
166	122.7	85.9	159.5

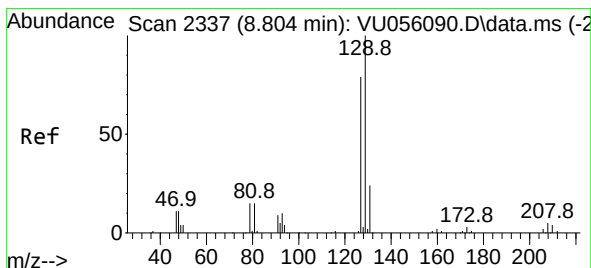
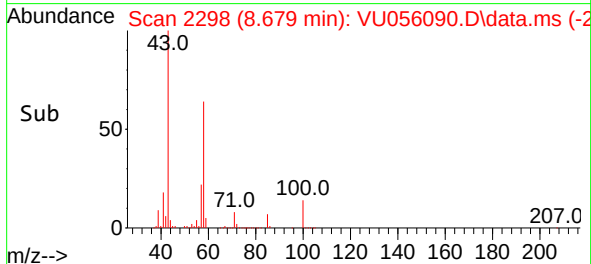
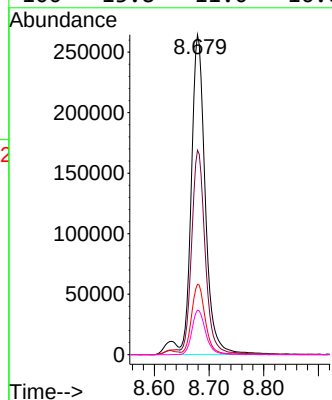
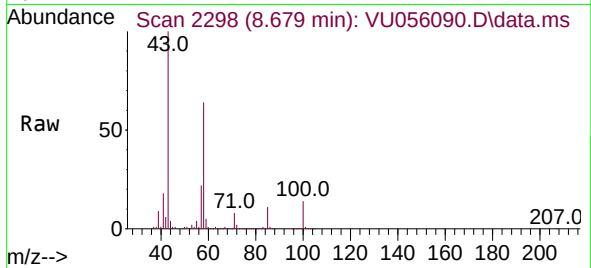




#48
2-Hexanone
Concen: 54.220 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

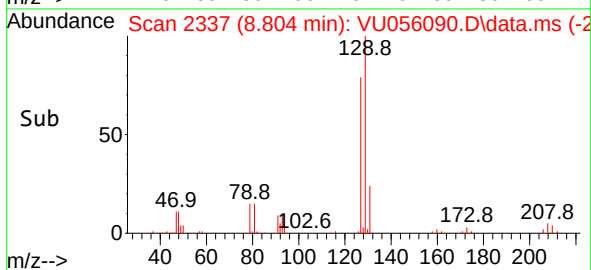
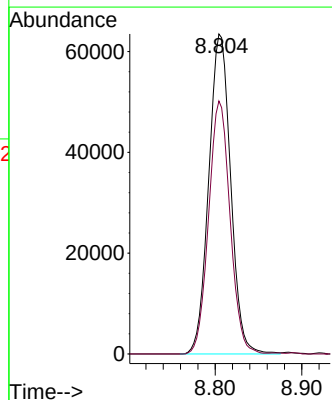
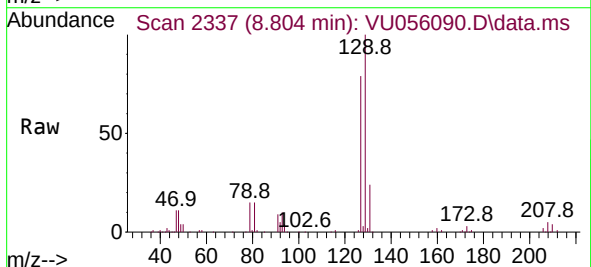
Instrument :
MSVOA_U
ClientSampleId :

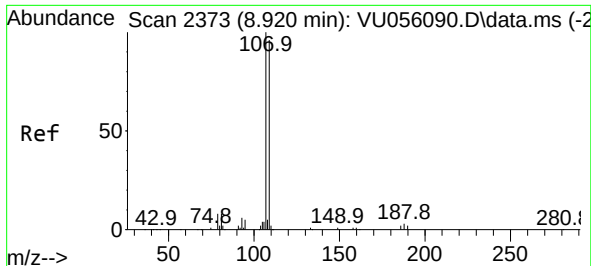
Tgt Ion: 43 Resp: 462579
Ion Ratio Lower Upper
43 100
58 65.0 52.0 78.0
57 21.8 17.4 26.2
100 13.8 11.0 16.6



#49
Dibromochloromethane
Concen: 5.207 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

Tgt Ion: 129 Resp: 111362
Ion Ratio Lower Upper
129 100
127 79.1 55.4 102.8





#50

1,2-Dibromoethane

Concen: 5.214 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

ClientSampleId :

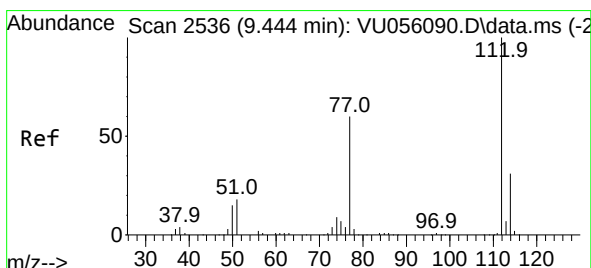
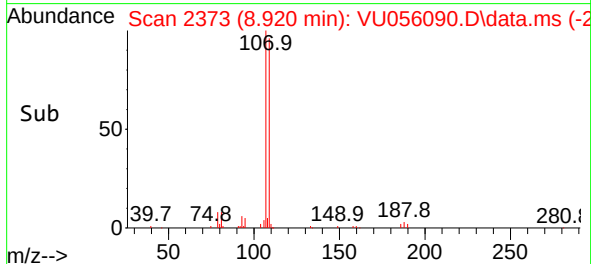
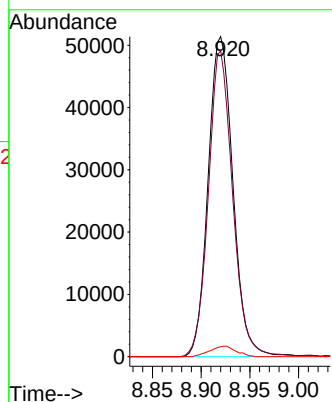
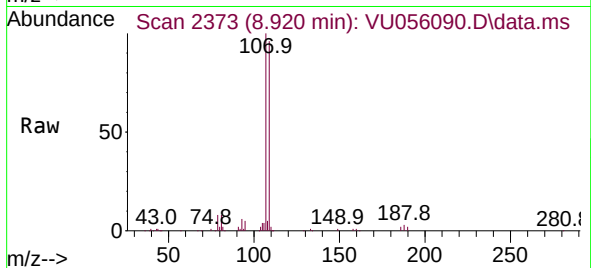
Tgt Ion:107 Resp: 90809

Ion Ratio Lower Upper

107 100

109 95.6 66.9 124.3

188 3.1 2.5 3.7



#51

Chlorobenzene

Concen: 5.190 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

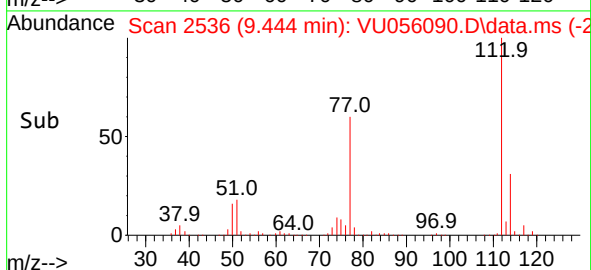
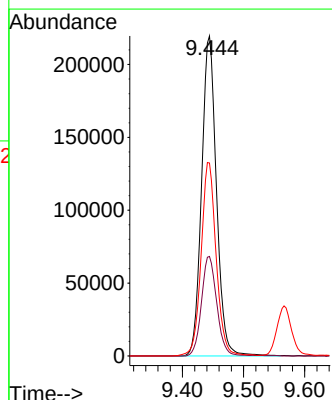
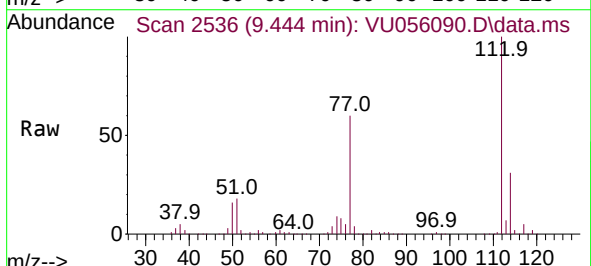
Tgt Ion:112 Resp: 370087

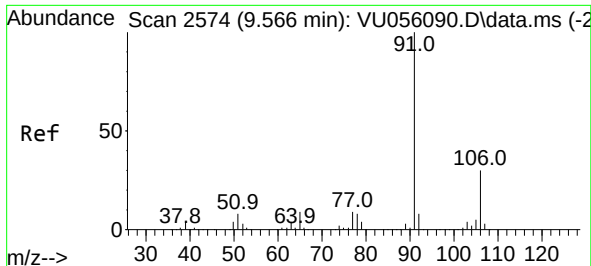
Ion Ratio Lower Upper

112 100

114 31.1 21.8 40.4

77 60.3 48.2 72.4





#52

Ethylbenzene

Concen: 5.285 ug/L

RT: 9.566 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

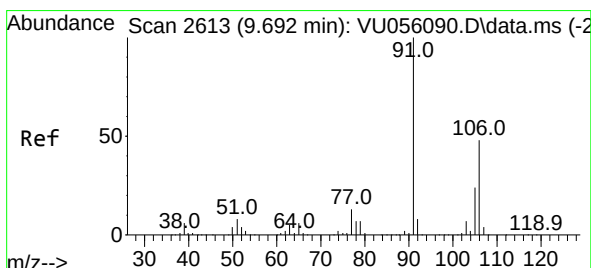
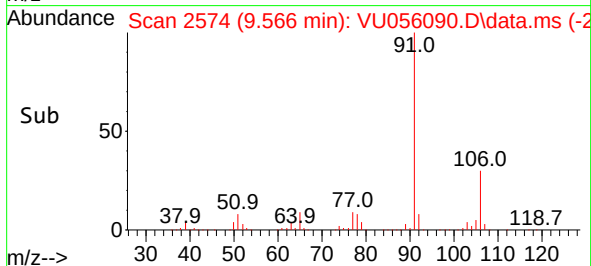
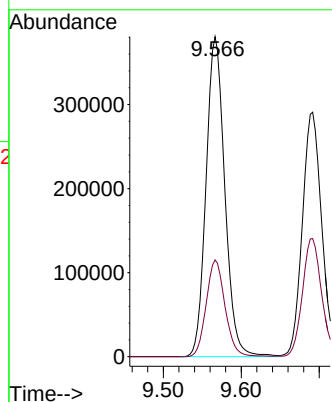
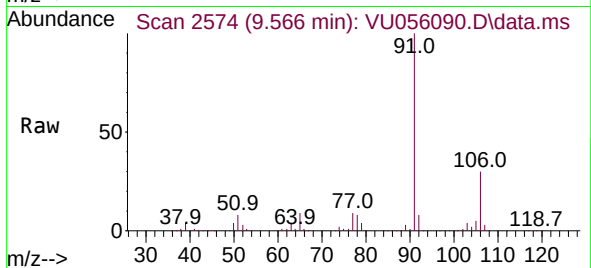
ClientSampleId :

Tgt Ion: 91 Resp: 636623

Ion Ratio Lower Upper

91 100

106 30.3 21.2 39.4



#53

m,p-Xylene

Concen: 5.342 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.000 min

Lab File: VU056090.D

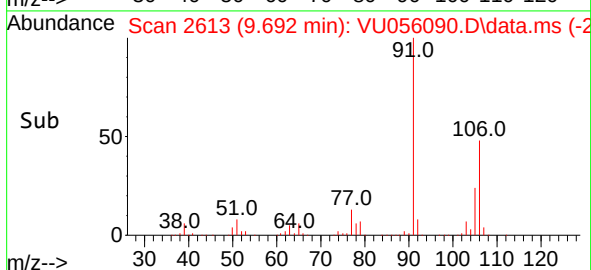
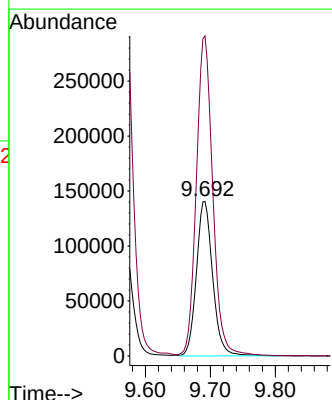
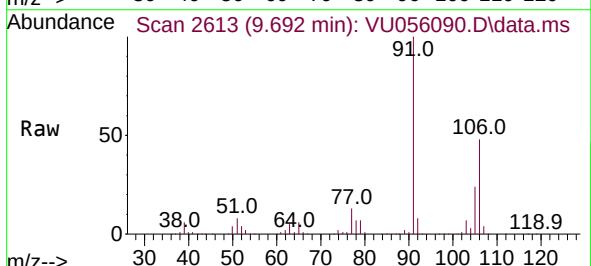
Acq: 07 Nov 2023 09:45

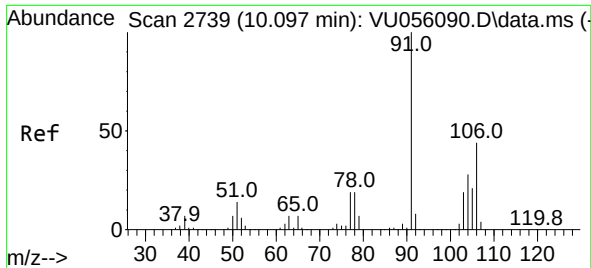
Tgt Ion: 106 Resp: 244699

Ion Ratio Lower Upper

106 100

91 207.0 144.9 269.1

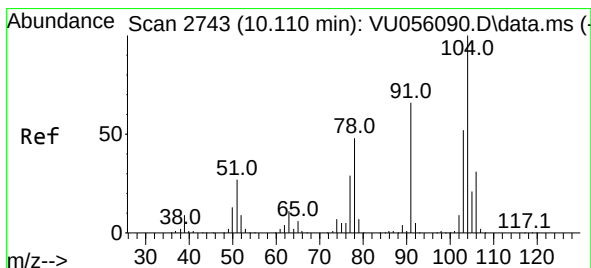
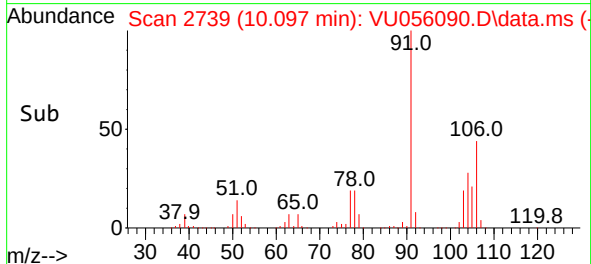
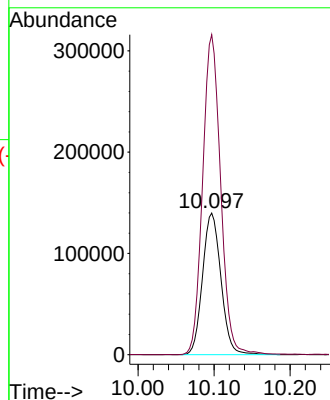
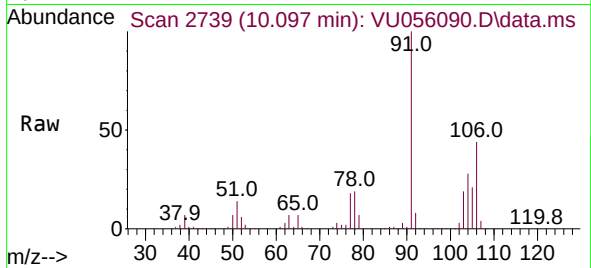




#54
o-Xylene
Concen: 5.361 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

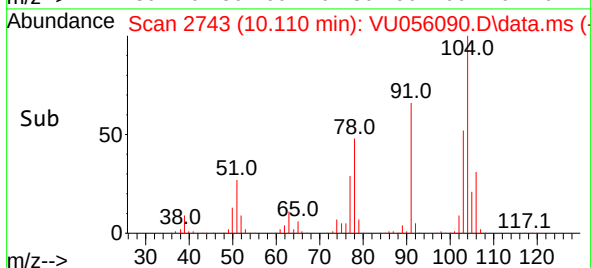
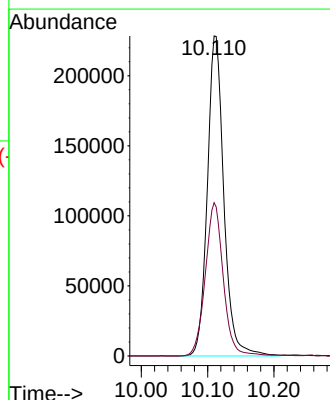
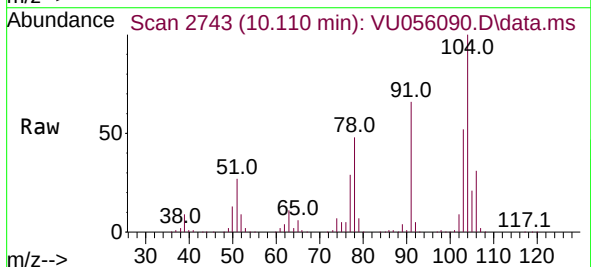
Instrument :
MSVOA_U
ClientSampleId :

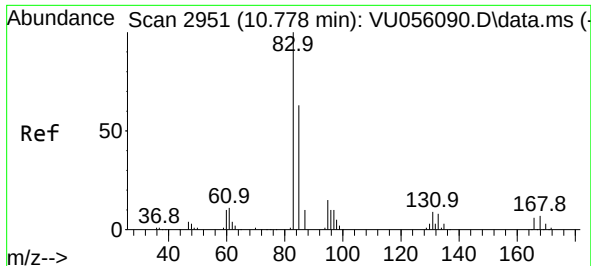
Tgt Ion:106 Resp: 235430
Ion Ratio Lower Upper
106 100
91 226.0 158.2 293.8



#55
Styrene
Concen: 5.506 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

Tgt Ion:104 Resp: 395562
Ion Ratio Lower Upper
104 100
78 47.9 33.5 62.3

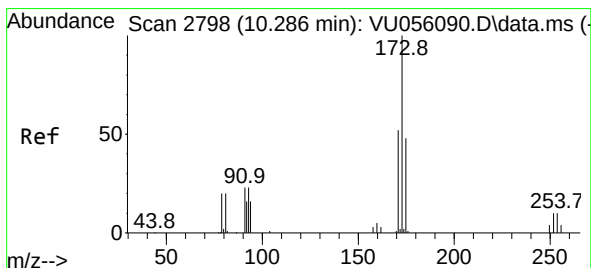
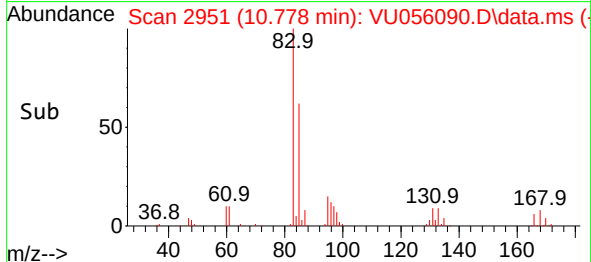
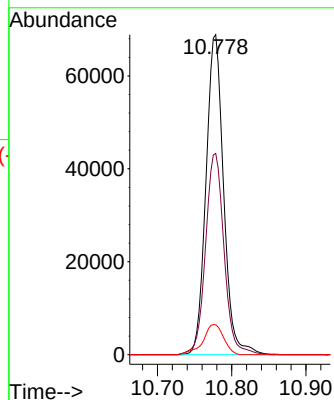
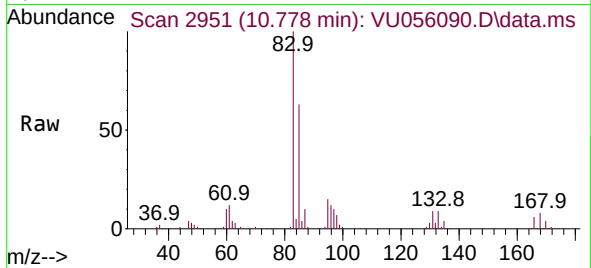




#57
1,1,2,2-Tetrachloroethane
Concen: 5.182 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

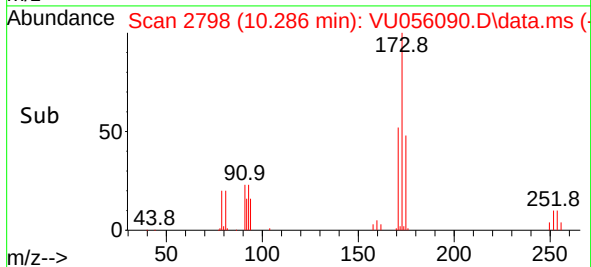
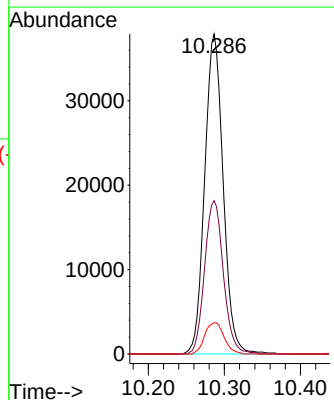
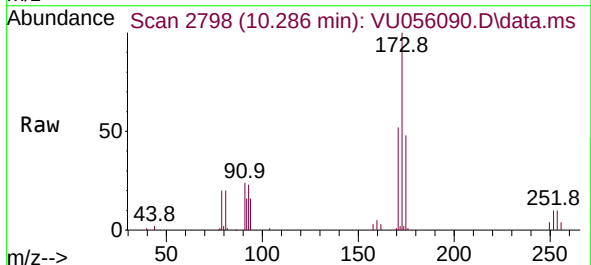
Instrument :
MSVOA_U
ClientSampleId :

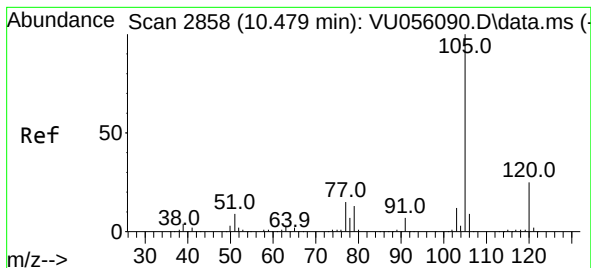
Tgt Ion: 83 Resp: 113507
Ion Ratio Lower Upper
83 100
85 62.9 44.0 81.8
131 9.3 7.4 11.2



#59
Bromoform
Concen: 5.076 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

Tgt Ion:173 Resp: 64062
Ion Ratio Lower Upper
173 100
175 48.7 39.0 58.4
254 10.2 8.2 12.2





#60

Isopropylbenzene

Concen: 5.307 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

ClientSampleId :

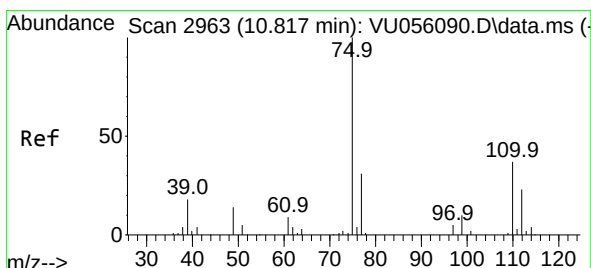
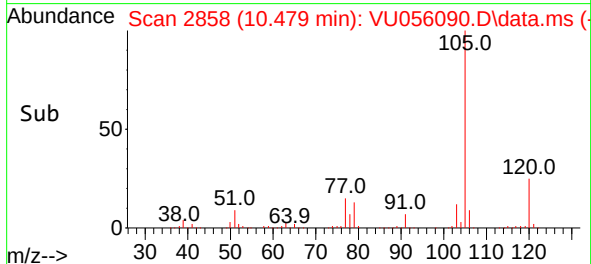
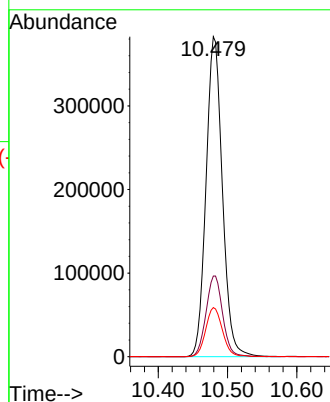
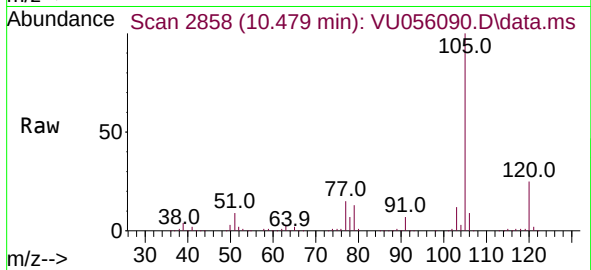
Tgt Ion:105 Resp: 625252

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

77 15.8 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.143 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

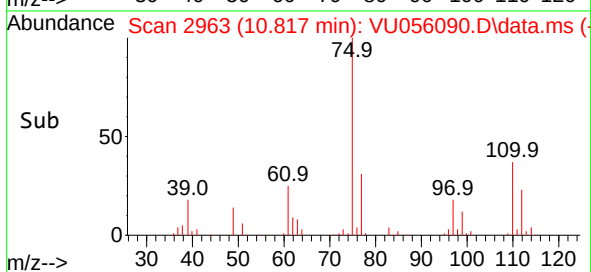
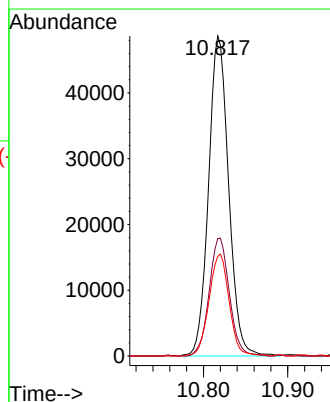
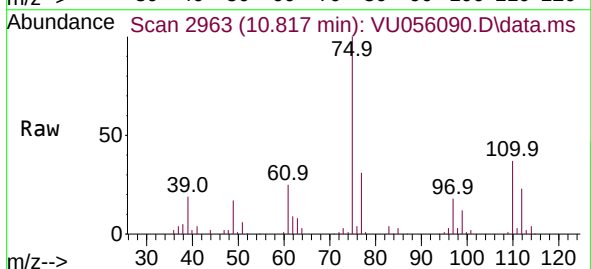
Tgt Ion: 75 Resp: 80678

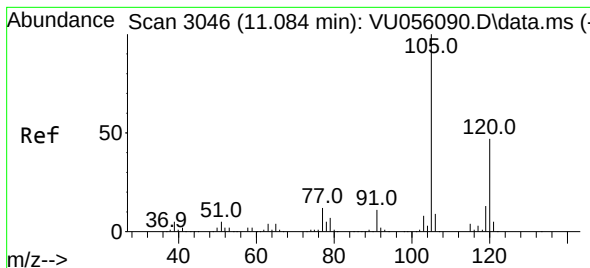
Ion Ratio Lower Upper

75 100

110 37.1 29.7 44.5

77 31.9 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.265 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

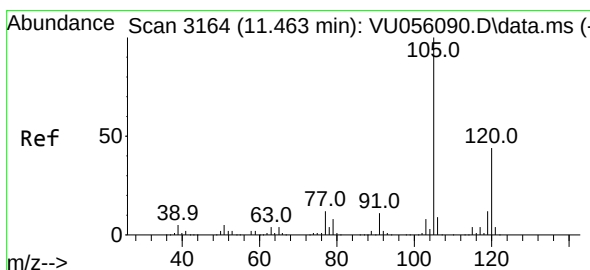
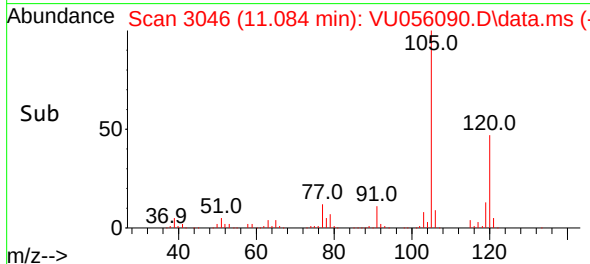
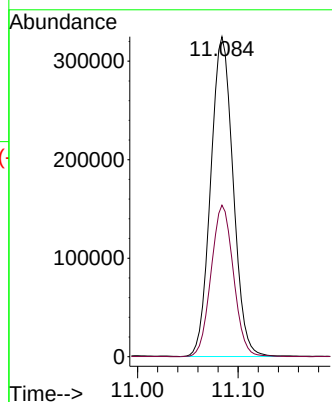
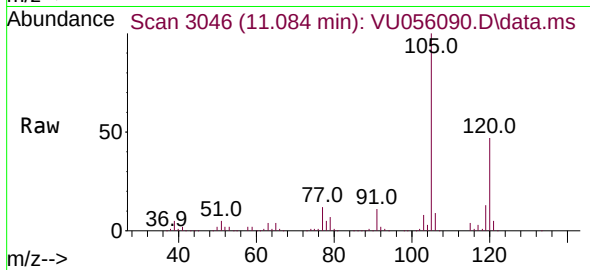
ClientSampleId :

Tgt Ion:105 Resp: 503135

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 5.325 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU056090.D

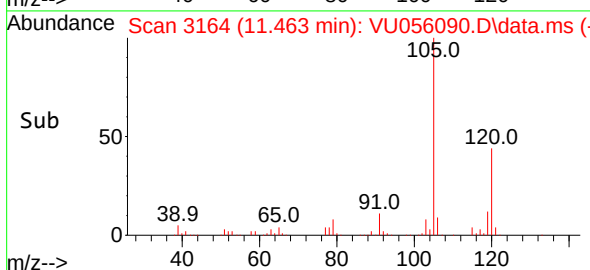
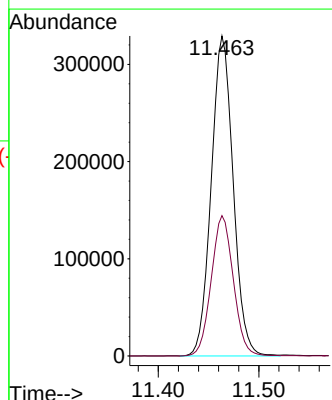
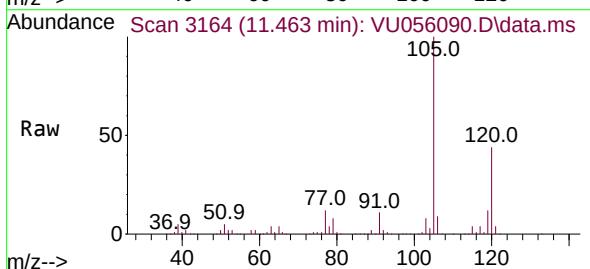
Acq: 07 Nov 2023 09:45

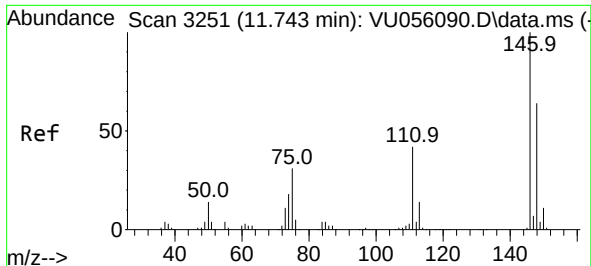
Tgt Ion:105 Resp: 499171

Ion Ratio Lower Upper

105 100

120 44.2 35.4 53.0

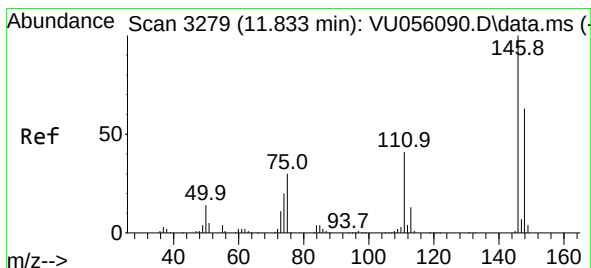
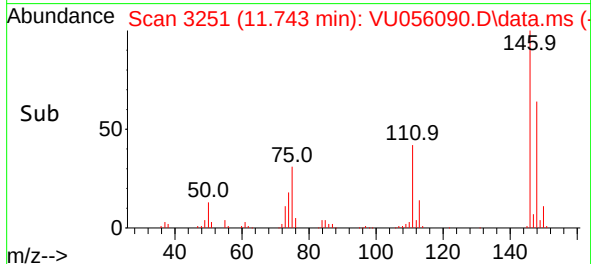
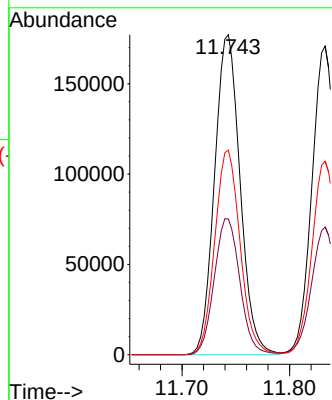
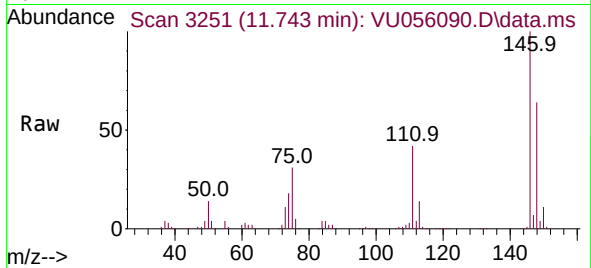




#64
1,3-Dichlorobenzene
Concen: 5.240 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

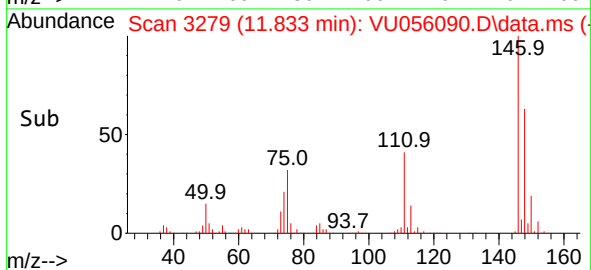
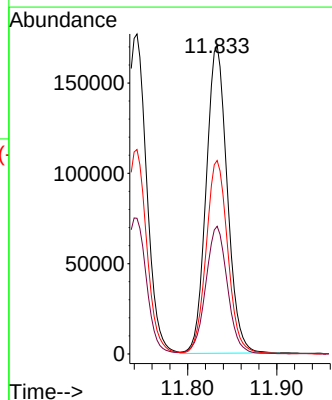
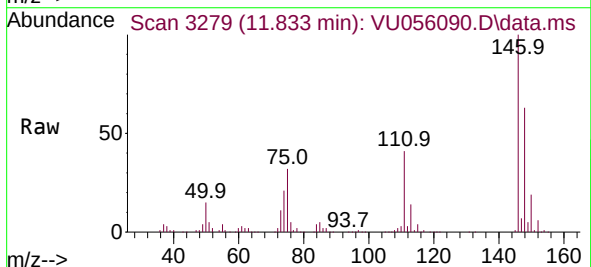
Instrument :
MSVOA_U
ClientSampleId :

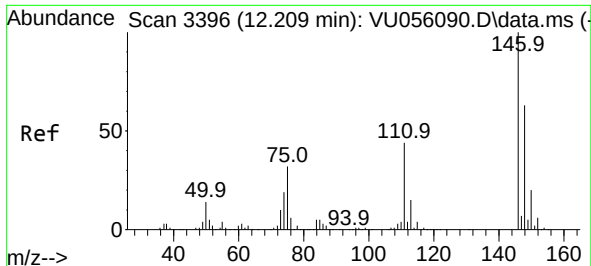
Tgt Ion:146 Resp: 292410
Ion Ratio Lower Upper
146 100
111 42.4 29.7 55.1
148 63.9 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 5.082 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

Tgt Ion:146 Resp: 280429
Ion Ratio Lower Upper
146 100
111 41.4 29.0 53.8
148 62.7 43.9 81.5





#67

1,2-Dichlorobenzene

Concen: 5.149 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

Instrument :

MSVOA_U

ClientSampleId :

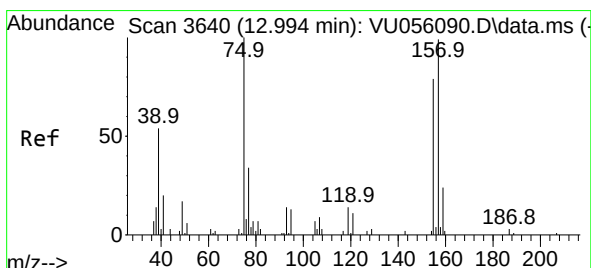
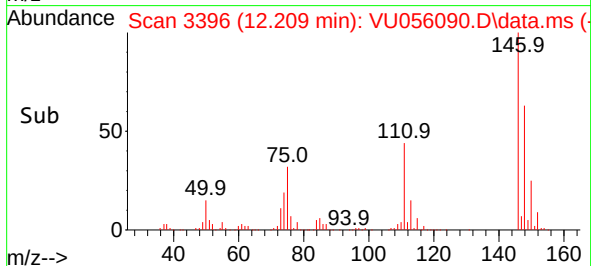
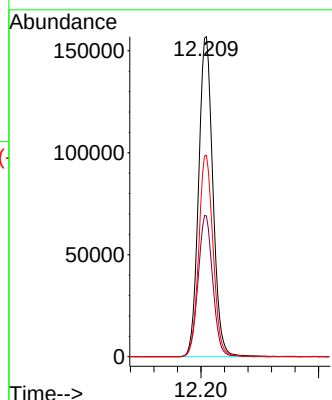
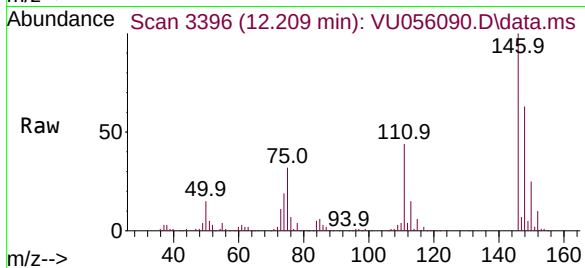
Tgt Ion:146 Resp: 264775

Ion Ratio Lower Upper

146 100

111 44.0 35.2 52.8

148 63.0 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.253 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU056090.D

Acq: 07 Nov 2023 09:45

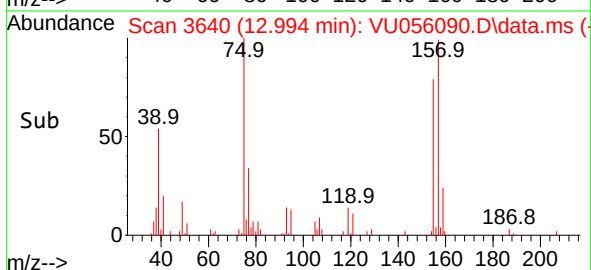
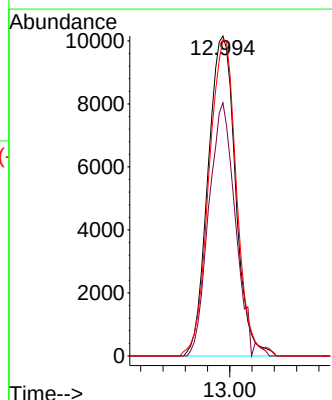
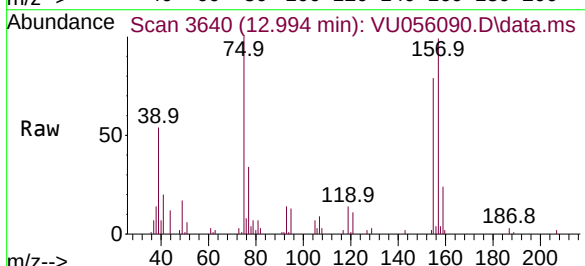
Tgt Ion: 75 Resp: 17382

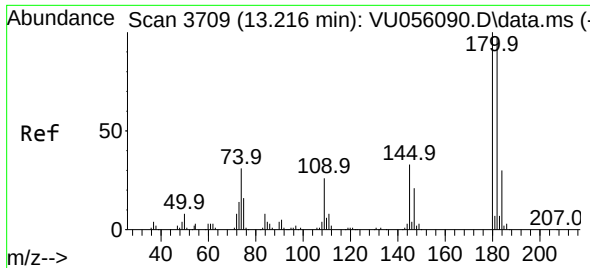
Ion Ratio Lower Upper

75 100

155 79.1 63.3 94.9

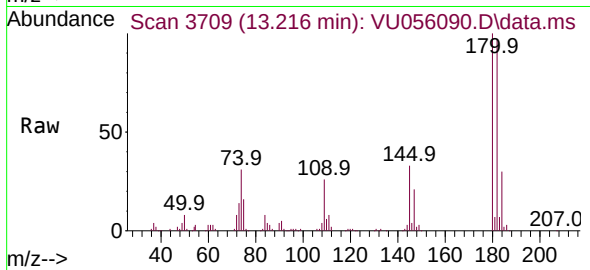
157 98.9 79.1 118.7



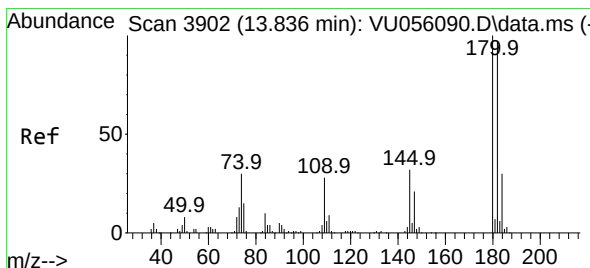
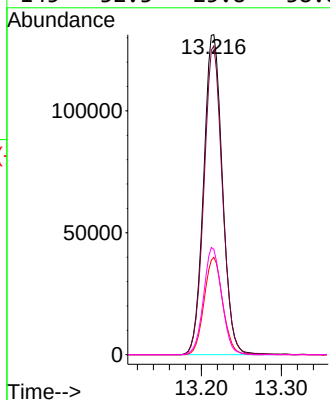
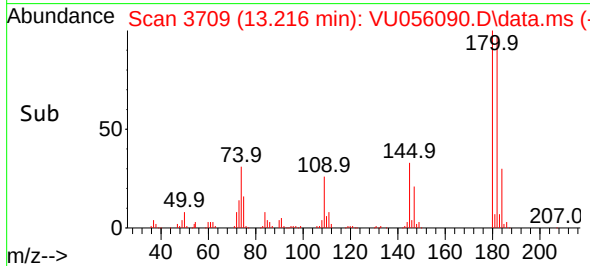


#69
 1,3,5-Trichlorobenzene
 Concen: 5.129 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.000 min
 Lab File: VU056090.D
 Acq: 07 Nov 2023 09:45

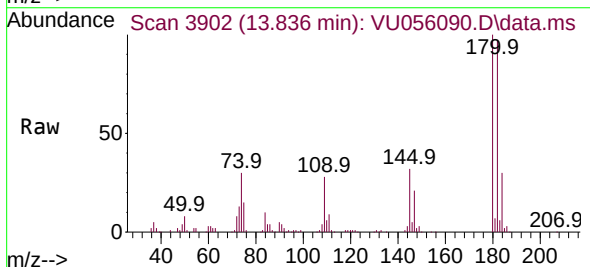
Instrument :
 MSVOA_U
 ClientSampleId :



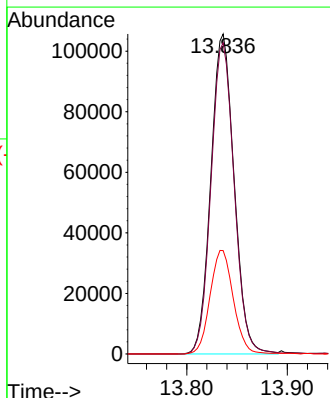
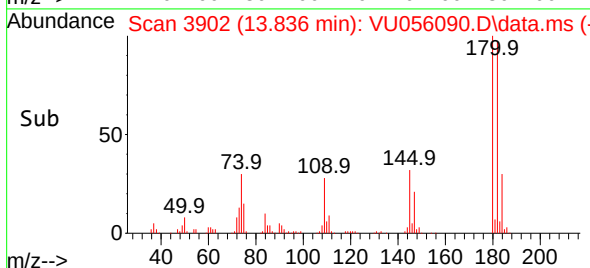
Tgt Ion:180 Resp: 214357
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 184 30.0 24.0 36.0
 145 32.3 25.8 38.8

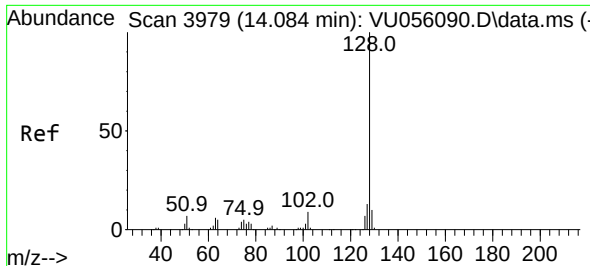


#70
 1,2,4-trichlorobenzene
 Concen: 5.130 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU056090.D
 Acq: 07 Nov 2023 09:45



Tgt Ion:180 Resp: 170090
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.4 116.2
 145 32.4 25.9 38.9

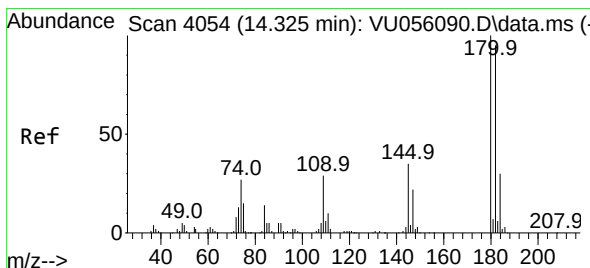
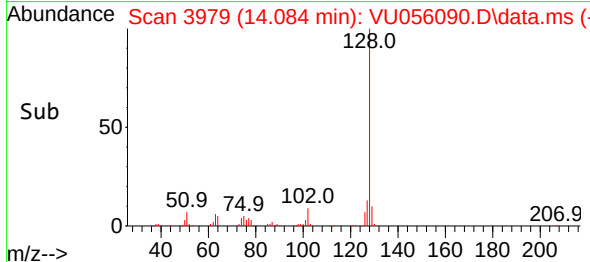
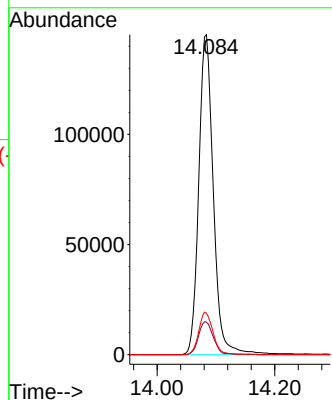
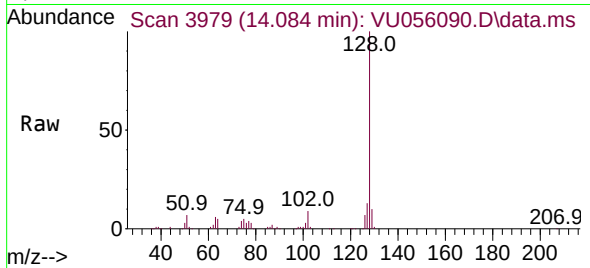




#71
Naphthalene
Concen: 5.172 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 249893
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 13.1 10.5 15.7



#72
1,2,3-Trichlorobenzene
Concen: 5.126 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU056090.D
Acq: 07 Nov 2023 09:45

Tgt Ion:180 Resp: 149022
Ion Ratio Lower Upper
180 100
182 95.8 76.6 115.0
145 35.0 28.0 42.0

