

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111023\
 Data File : VU056176.D
 Acq On : 10 Nov 2023 16:55
 Operator : MD/SY
 Sample : 05340-21MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 10 22:23:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 10 22:17:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	383153	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	375328	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	192784	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	98036	4.122	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.400%
7) Chloroethane-d5	1.907	69	70447	4.365	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.200%
11) 1,1-Dichloroethene-d2	2.563	65	45631	4.355	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.621	46	218080	55.895	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.780%
24) Chloroform-d	5.055	84	216938	4.792	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	5.695	65	96205	4.826	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
32) Benzene-d6	5.721	84	421877	4.680	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.685	67	128358	4.837	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.894	98	389856	4.720	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.177	79	48463	4.778	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.600%
46) 2-Hexanone-d5	8.631	63	202296	60.850	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.700%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	100415	5.302	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	137583	4.628	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	160097	4.927	ug/L	99
3) Chloromethane	1.515	50	146229	4.804	ug/L	94
5) Vinyl chloride	1.602	62	155921	4.951	ug/L	100
6) Bromomethane	1.853	94	87456	4.835	ug/L	99
8) Chloroethane	1.930	64	82524	4.833	ug/L	99
9) Trichlorofluoromethane	2.133	101	212648	5.106	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	136134	5.131	ug/L	98
12) 1,1-Dichloroethene	2.576	96	127941	5.195	ug/L	96
13) Acetone	2.631	43	178139	61.910	ug/L	99
14) Carbon disulfide	2.788	76	409023	4.874	ug/L	99
15) Methyl Acetate	2.946	43	39234	4.832	ug/L	98
16) Methylene chloride	3.039	84	138468	4.904	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	296511	5.344	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	134884	5.169	ug/L	97
19) 1,1-Dichloroethane	3.862	63	244906	5.145	ug/L	93
21) 2-Butanone	4.702	43	269477	56.788	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	154190	5.474	ug/L	97
23) Bromochloromethane	4.968	128	64962	5.197	ug/L	99
25) Chloroform	5.081	83	261401	5.153	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111023\
 Data File : VU056176.D
 Acq On : 10 Nov 2023 16:55
 Operator : MD/SY
 Sample : 05340-21MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

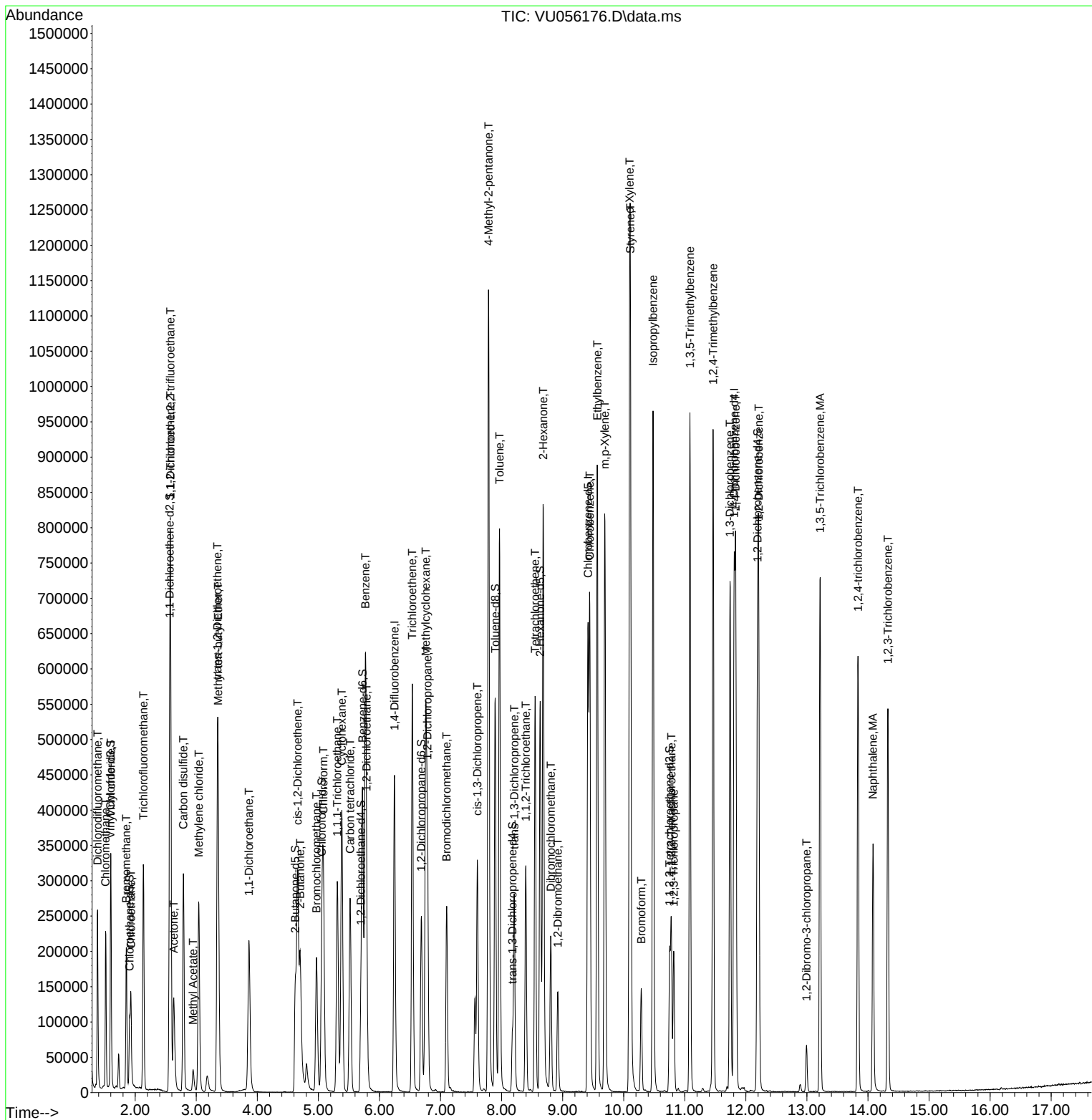
Instrument :
 MSVOA_U
 ClientSampleId :

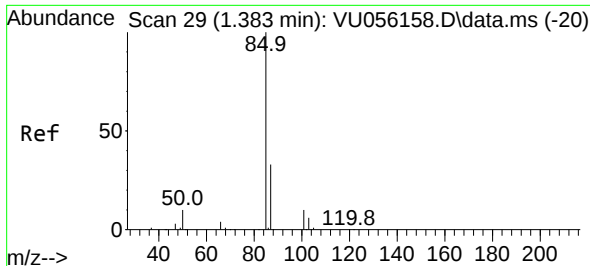
Quant Time: Nov 10 22:23:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 10 22:17:51 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	150235	5.233	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	227447	5.290	ug/L	98
30) Cyclohexane	5.383	56	203153	5.057	ug/L	98
31) Carbon tetrachloride	5.518	117	196047	5.135	ug/L	99
33) Benzene	5.769	78	567224	5.278	ug/L	100
34) Trichloroethene	6.538	95	206703	7.041	ug/L	98
35) Methylcyclohexane	6.759	83	220221	5.048	ug/L	98
37) 1,2-Dichloropropane	6.785	63	146843	5.254	ug/L	99
38) Bromodichloromethane	7.100	83	175452	5.027	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	207315	5.256	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	692976	56.688	ug/L	99
42) Toluene	7.965	91	601952	5.313	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	167755	5.253	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	104237	5.456	ug/L	99
47) Tetrachloroethene	8.550	164	125439	5.694	ug/L	96
48) 2-Hexanone	8.679	43	512909	57.628	ug/L	98
49) Dibromochloromethane	8.804	129	116238	5.302	ug/L	99
50) 1,2-Dibromoethane	8.920	107	98851	5.537	ug/L	95
51) Chlorobenzene	9.444	112	386501	5.288	ug/L	99
52) Ethylbenzene	9.566	91	655255	5.307	ug/L	99
53) m,p-Xylene	9.689	106	253085	5.390	ug/L	99
54) o-Xylene	10.097	106	245674	5.458	ug/L	98
55) Styrene	10.110	104	407580	5.535	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	125330	5.582	ug/L	100
59) Bromoform	10.287	173	69666	5.203	ug/L	98
60) Isopropylbenzene	10.479	105	652439	5.220	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	87144	5.237	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	529300	5.222	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	525450	5.284	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	311387	5.260	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	305102	5.212	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	286722	5.256	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	18401	5.242	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	232728	5.249	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	195547	5.559	ug/L	97
71) Naphthalene	14.081	128	298236	5.716	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	171584	5.564	ug/L	98

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

Quant Time: Nov 10 22:23:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 10 22:17:51 2023
Response via : Initial Calibration

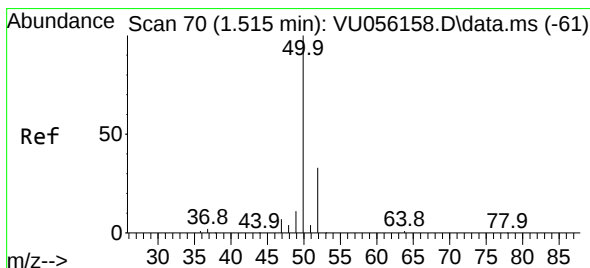
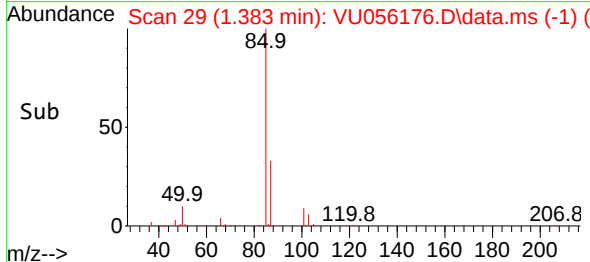
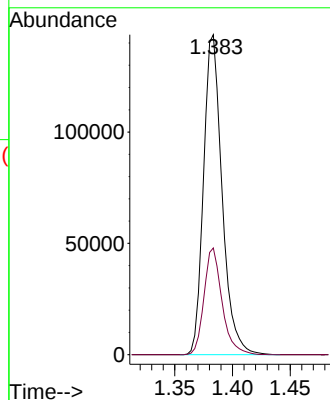
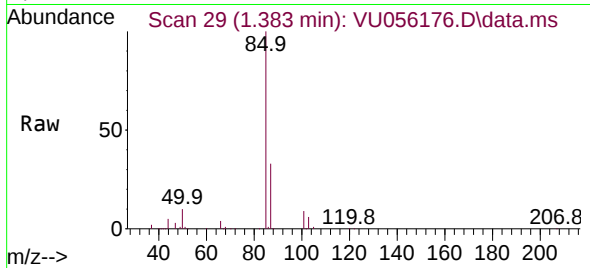




#2
 Dichlorodifluoromethane
 Concen: 4.927 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056176.D
 Acq: 10 Nov 2023 16:55

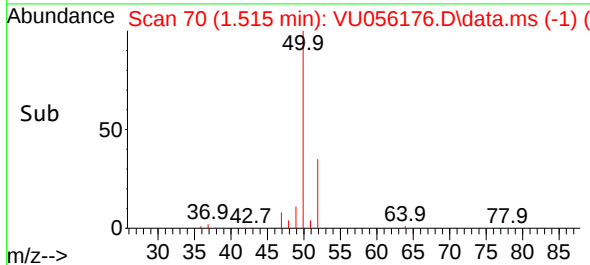
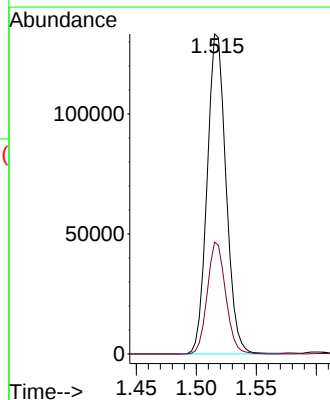
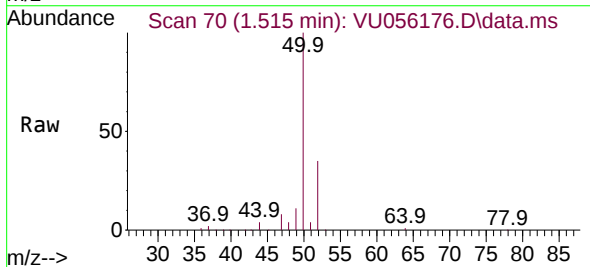
Instrument :
 MSVOA_U
 ClientSampleId :

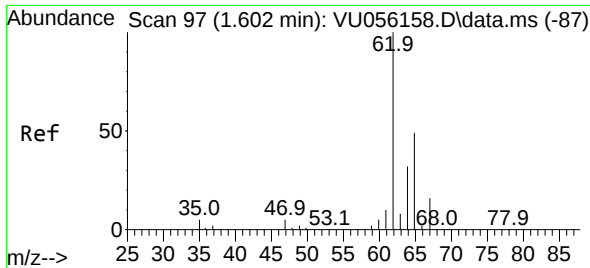
Tgt Ion: 85 Resp: 160097
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.4 39.6



#3
 Chloromethane
 Concen: 4.804 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU056176.D
 Acq: 10 Nov 2023 16:55

Tgt Ion: 50 Resp: 146229
 Ion Ratio Lower Upper
 50 100
 52 35.0 22.2 41.2

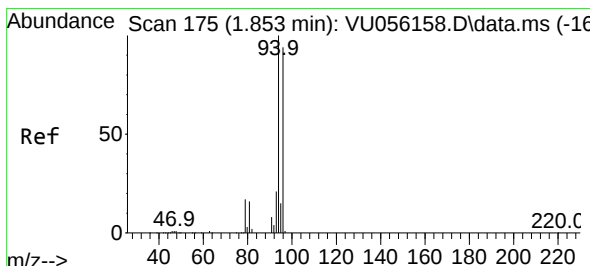
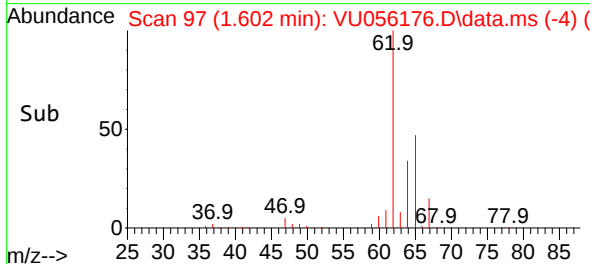
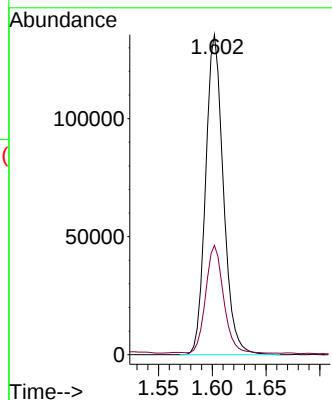
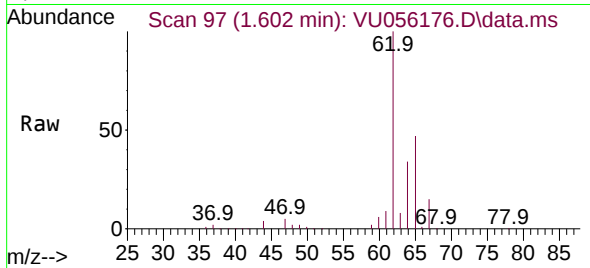




#5
 Vinyl chloride
 Concen: 4.951 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056176.D
 Acq: 10 Nov 2023 16:55

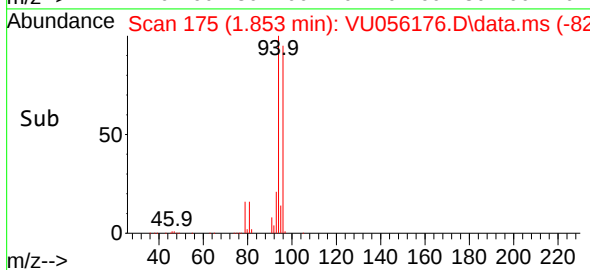
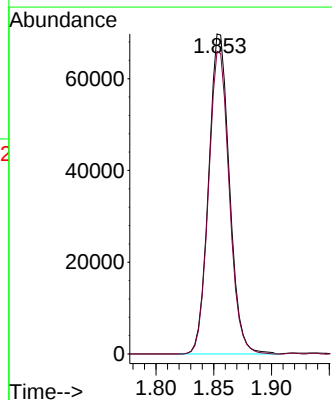
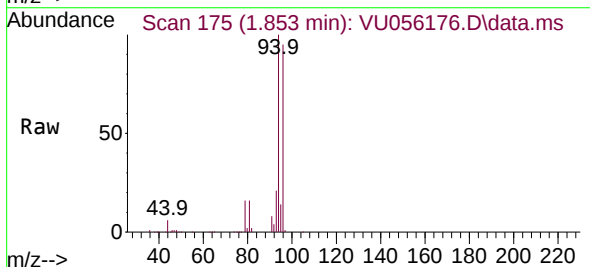
Instrument :
 MSVOA_U
 ClientSampleId :

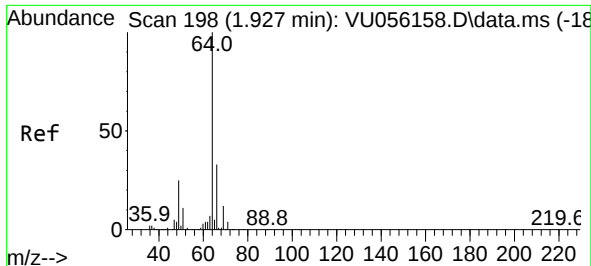
Tgt Ion: 62 Resp: 155921
 Ion Ratio Lower Upper
 62 100
 64 34.1 24.1 44.7



#6
 Bromomethane
 Concen: 4.835 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU056176.D
 Acq: 10 Nov 2023 16:55

Tgt Ion: 94 Resp: 87456
 Ion Ratio Lower Upper
 94 100
 96 94.6 65.6 121.8

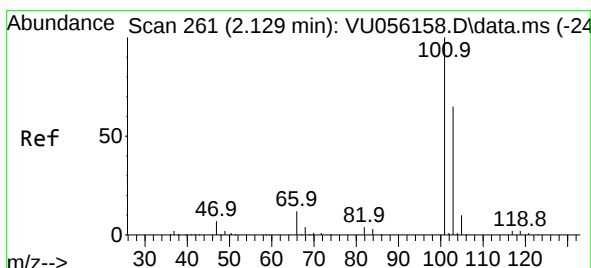
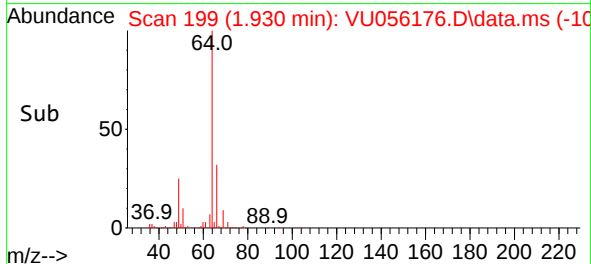
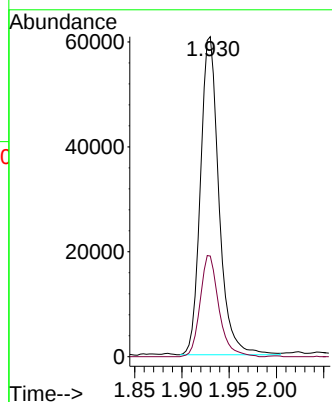
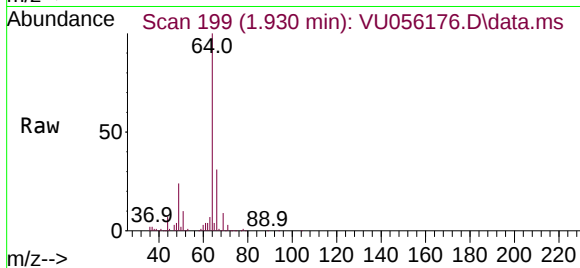




#8
Chloroethane
Concen: 4.833 ug/L
RT: 1.930 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

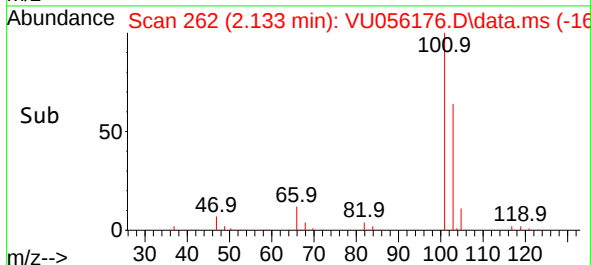
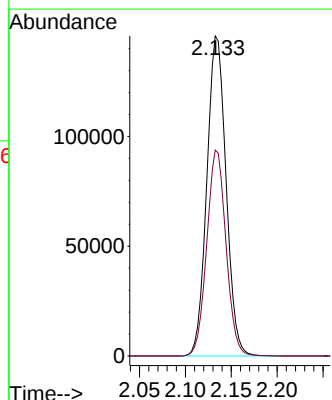
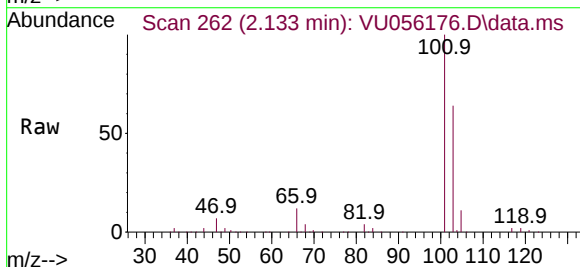
Instrument :
MSVOA_U
ClientSampleId :

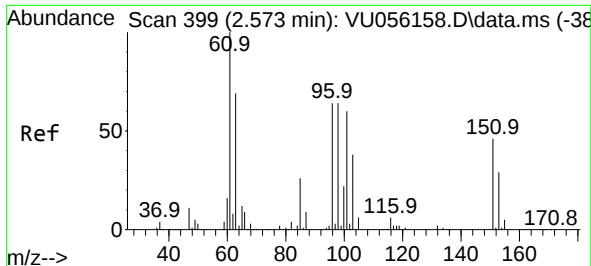
Tgt Ion: 64 Resp: 82524
Ion Ratio Lower Upper
64 100
66 31.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.106 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.003 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion:101 Resp: 212648
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.6

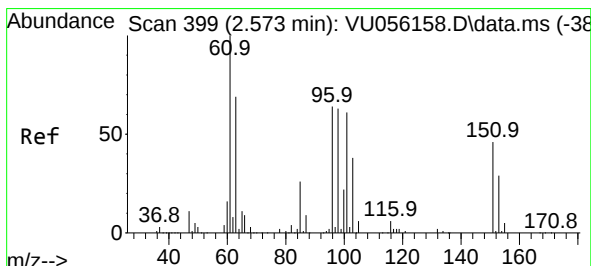
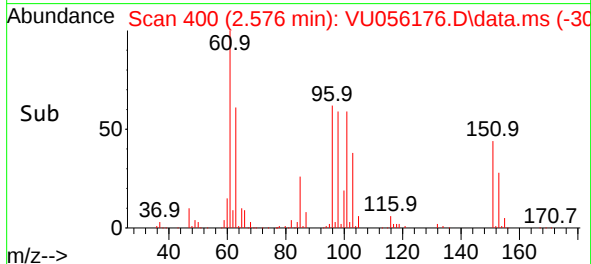
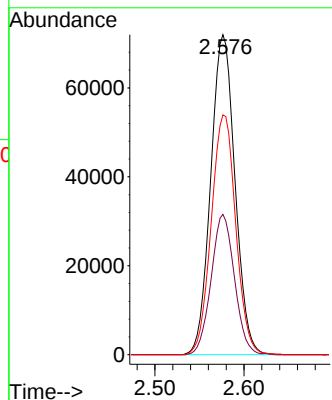
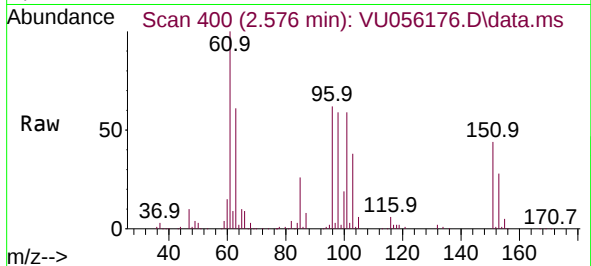




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.131 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

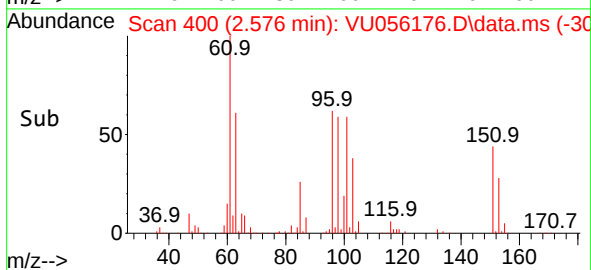
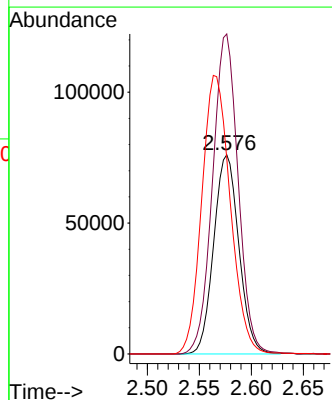
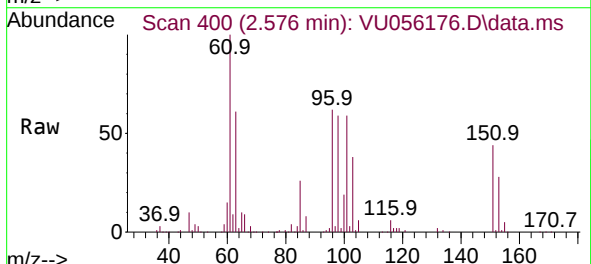
Instrument :
MSVOA_U
ClientSampleId :

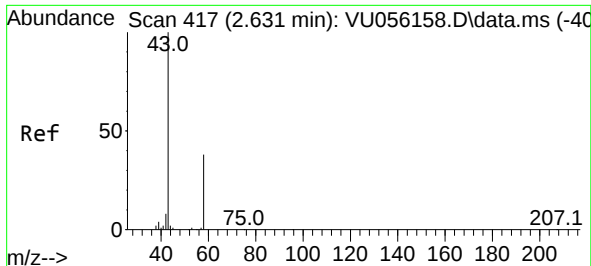
Tgt Ion:101 Resp: 136134
Ion Ratio Lower Upper
101 100
85 42.2 34.2 51.4
151 75.8 59.3 88.9



#12
1,1-Dichloroethene
Concen: 5.195 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion: 96 Resp: 127941
Ion Ratio Lower Upper
96 100
61 160.7 111.7 207.5
63 98.3 74.5 138.3





#13

Acetone

Concen: 61.910 ug/L

RT: 2.631 min Scan# 417

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA_U

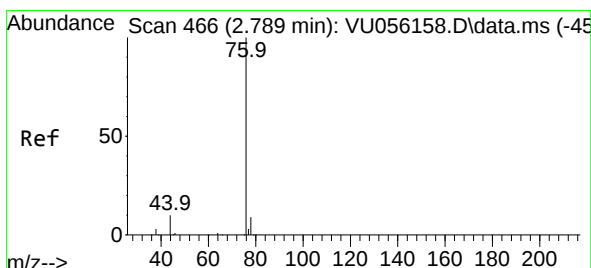
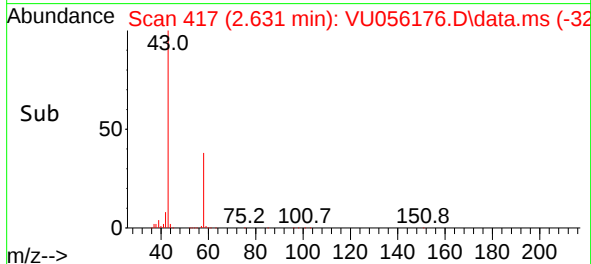
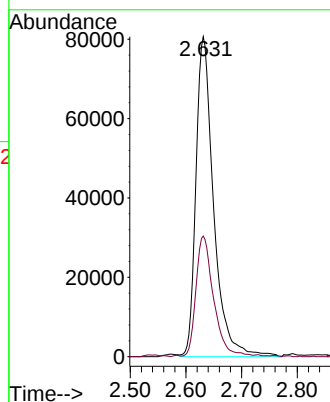
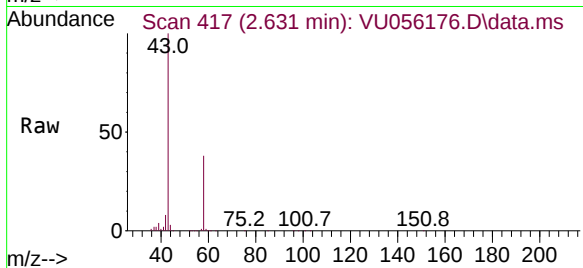
ClientSampleId :

Tgt Ion: 43 Resp: 178139

Ion Ratio Lower Upper

43 100

58 36.8 0.0 74.4



#14

Carbon disulfide

Concen: 4.874 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056176.D

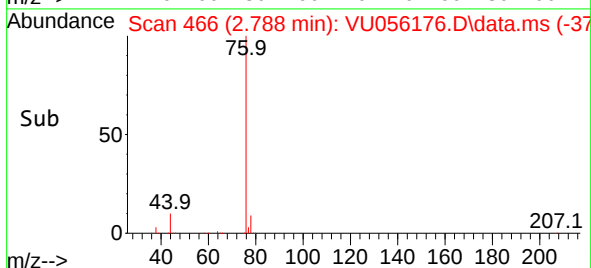
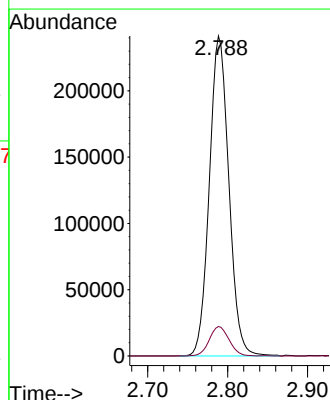
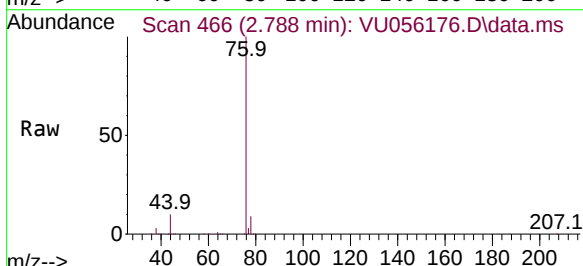
Acq: 10 Nov 2023 16:55

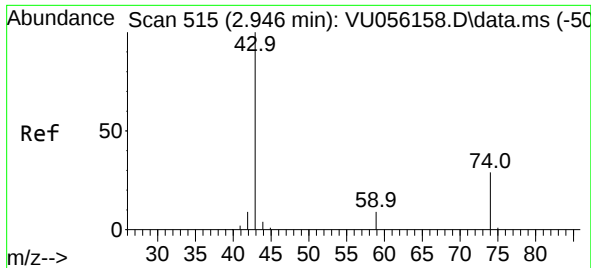
Tgt Ion: 76 Resp: 409023

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

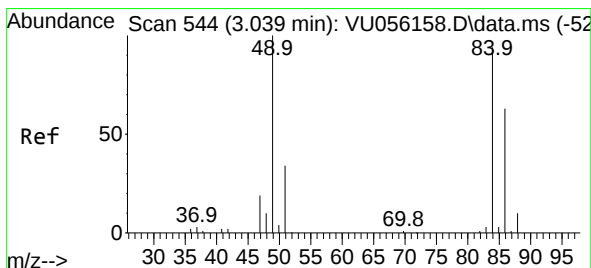
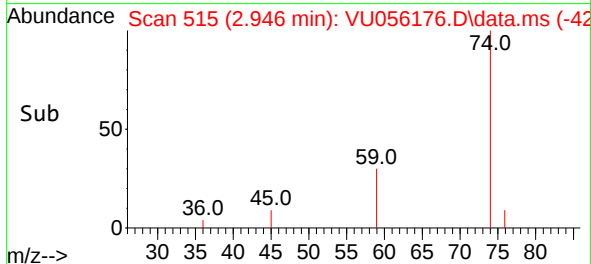
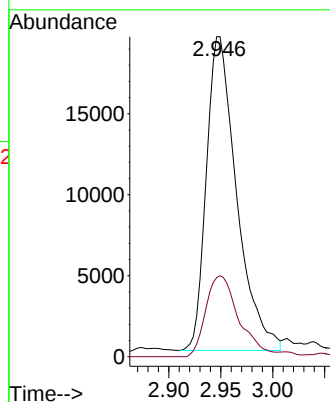
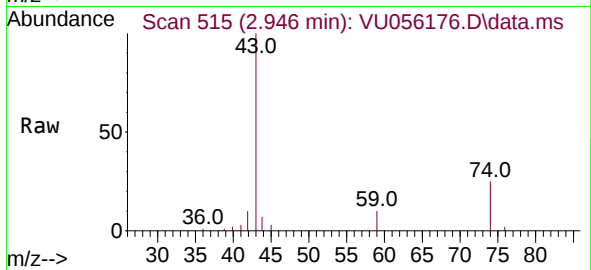




#15
Methyl Acetate
Concen: 4.832 ug/L
RT: 2.946 min Scan# 515
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

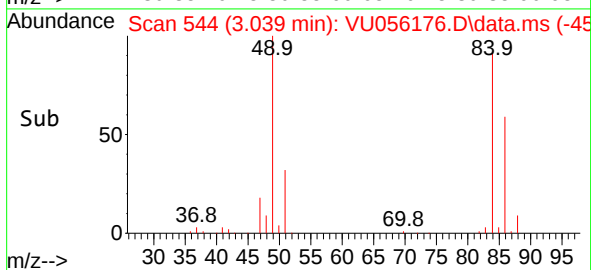
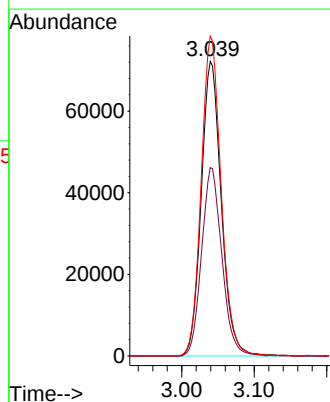
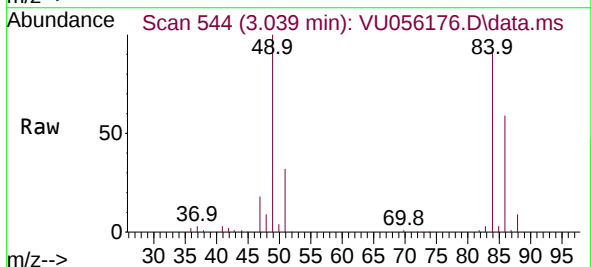
Instrument :
MSVOA_U
ClientSampleId :

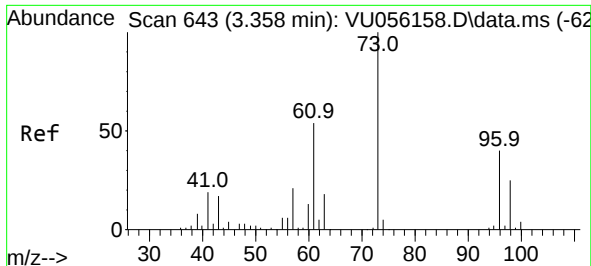
Tgt Ion: 43 Resp: 39234
Ion Ratio Lower Upper
43 100
74 28.1 23.3 34.9



#16
Methylene chloride
Concen: 4.904 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion: 84 Resp: 138468
Ion Ratio Lower Upper
84 100
86 63.9 44.9 83.5
49 108.6 75.0 139.4

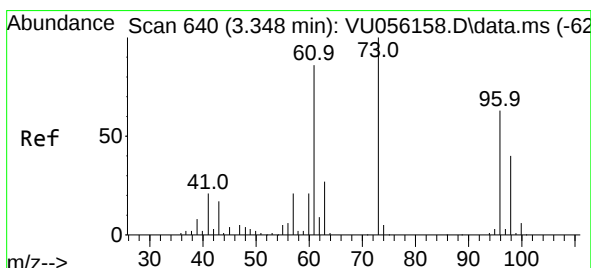
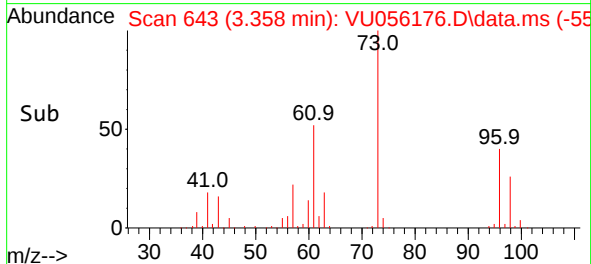
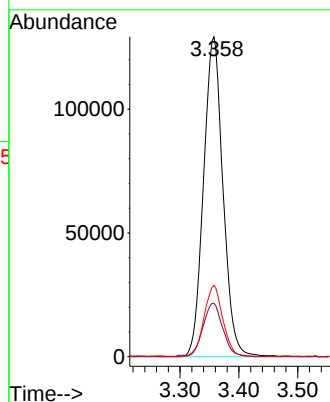
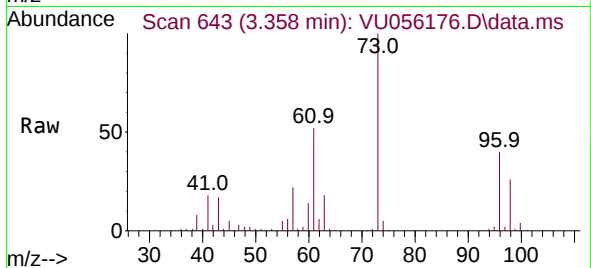




#17
Methyl tert-butyl Ether
Concen: 5.344 ug/L
RT: 3.358 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

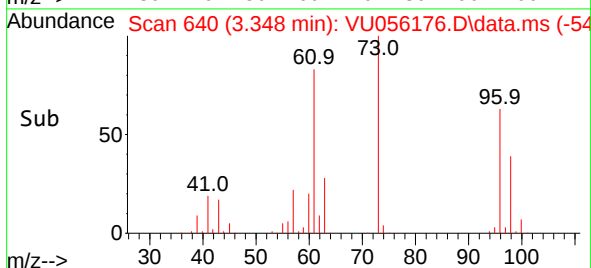
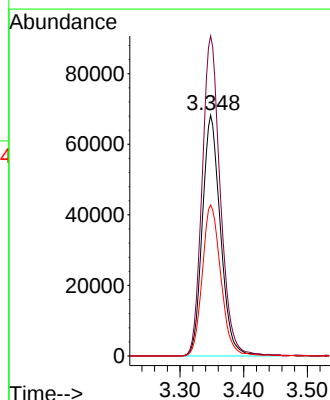
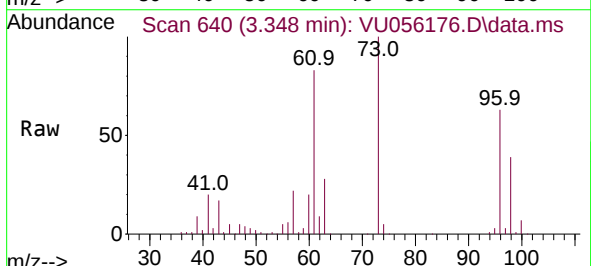
Instrument :
MSVOA_U
ClientSampleId :

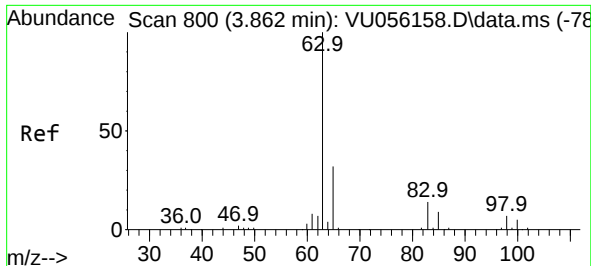
Tgt Ion: 73 Resp: 296511
Ion Ratio Lower Upper
73 100
43 17.1 13.6 20.4
57 21.5 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.169 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion: 96 Resp: 134884
Ion Ratio Lower Upper
96 100
61 132.9 96.7 179.5
98 62.7 44.3 82.3

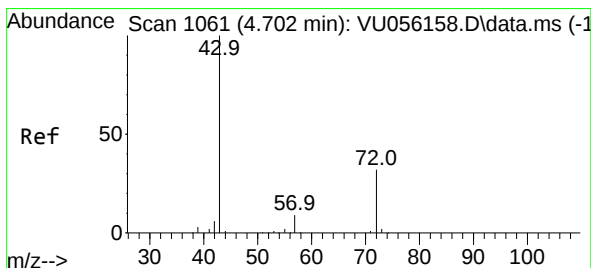
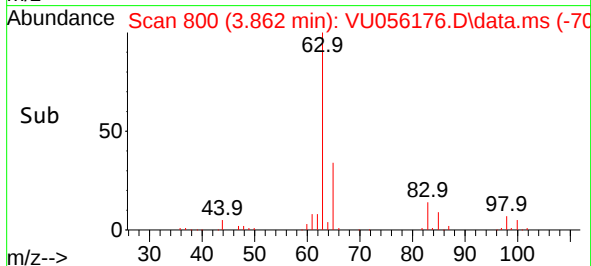
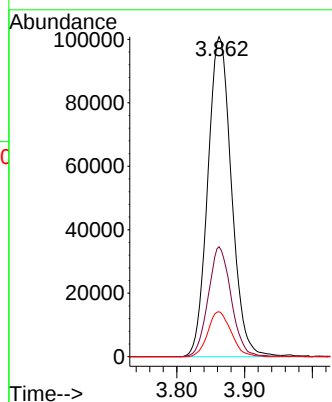
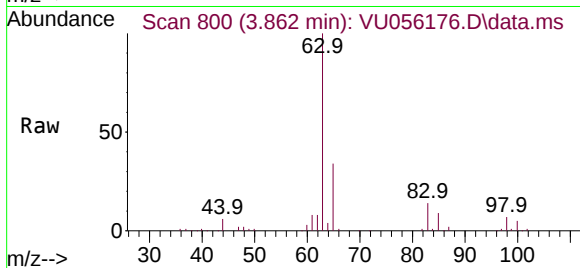




#19
1,1-Dichloroethane
Concen: 5.145 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

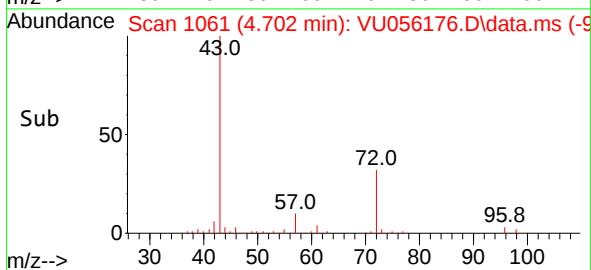
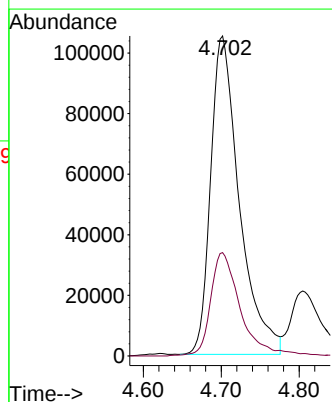
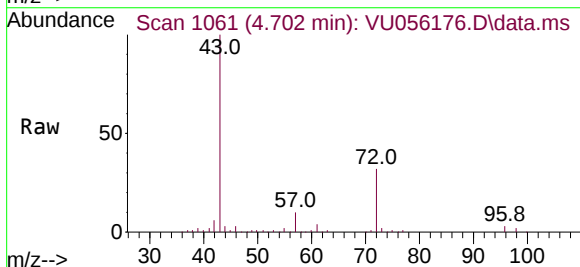
Instrument :
MSVOA_U
ClientSampleId :

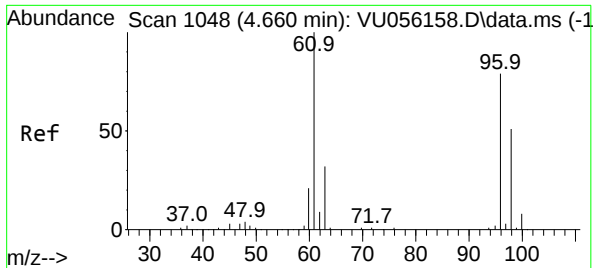
Tgt Ion: 63 Resp: 244906
Ion Ratio Lower Upper
63 100
65 34.4 20.6 38.2
83 14.0 9.6 17.8



#21
2-Butanone
Concen: 56.788 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion: 43 Resp: 269477
Ion Ratio Lower Upper
43 100
72 33.8 15.7 47.0

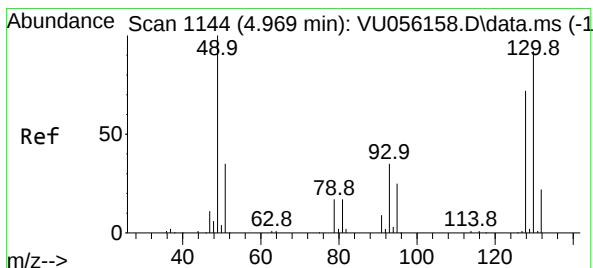
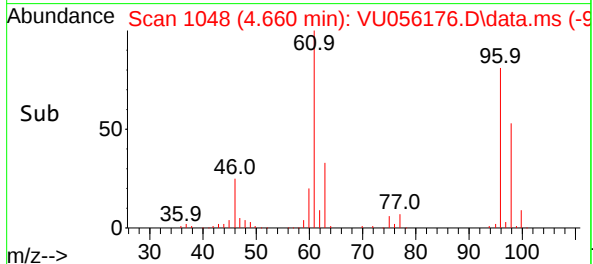
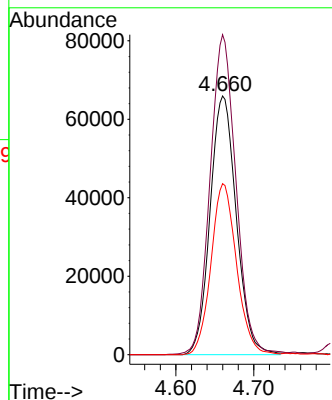
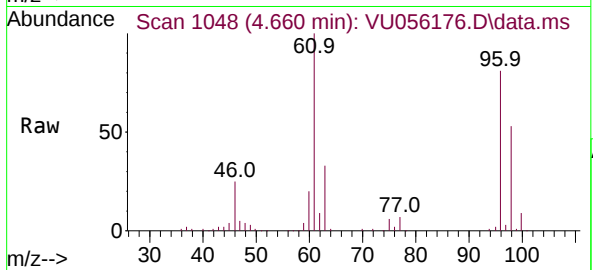




#22
 cis-1,2-Dichloroethene
 Concen: 5.474 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056176.D
 Acq: 10 Nov 2023 16:55

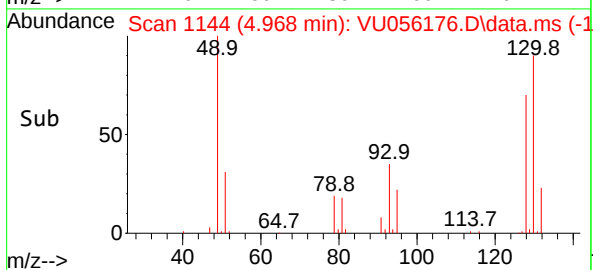
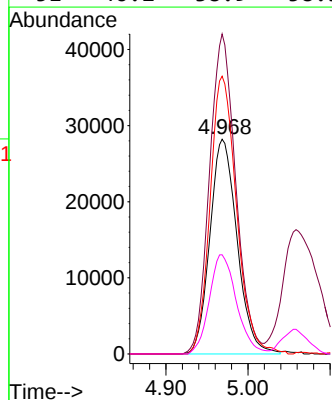
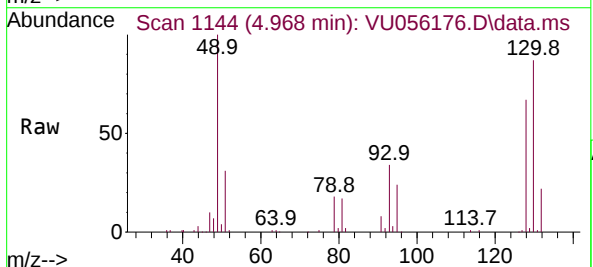
Instrument :
 MSVOA_U
 ClientSampleId :

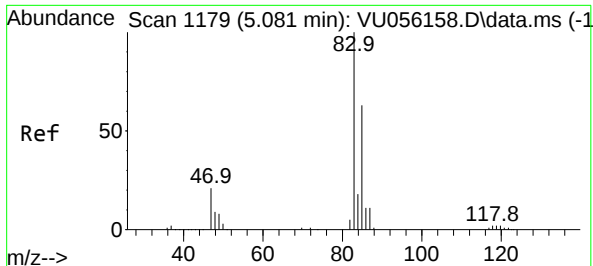
Tgt Ion: 96 Resp: 154190
 Ion Ratio Lower Upper
 96 100
 61 123.6 87.8 163.2
 98 66.1 43.5 80.7



#23
 Bromochloromethane
 Concen: 5.197 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU056176.D
 Acq: 10 Nov 2023 16:55

Tgt Ion: 128 Resp: 64962
 Ion Ratio Lower Upper
 128 100
 49 149.0 103.7 192.7
 130 129.3 91.8 170.6
 51 46.2 38.9 58.3





#25

Chloroform

Concen: 5.153 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA_U

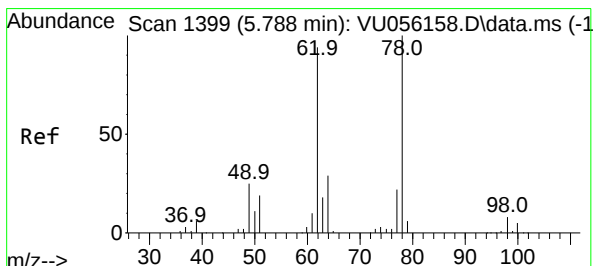
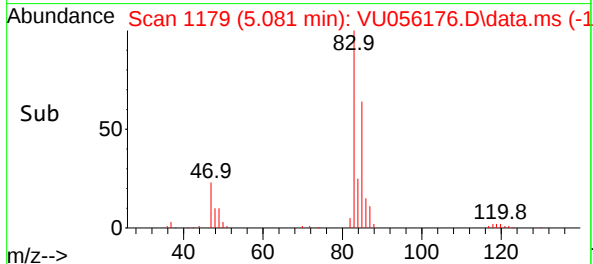
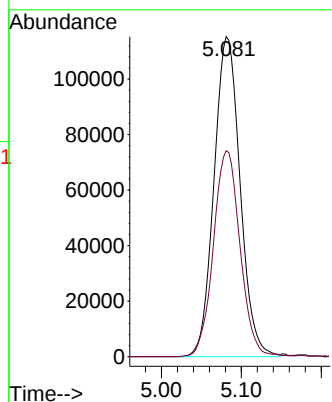
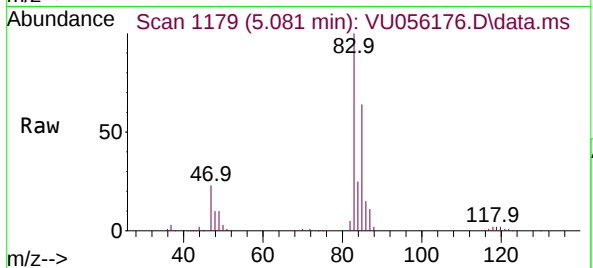
ClientSampleId :

Tgt Ion: 83 Resp: 261401

Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1



#27

1,2-Dichloroethane

Concen: 5.233 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056176.D

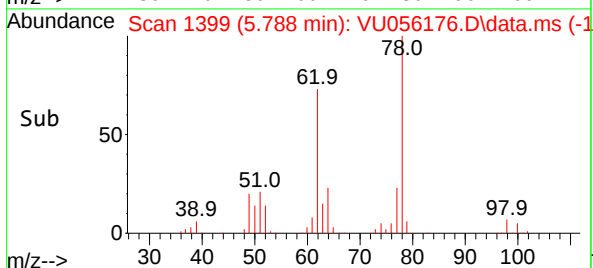
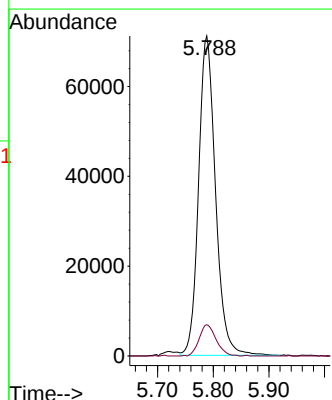
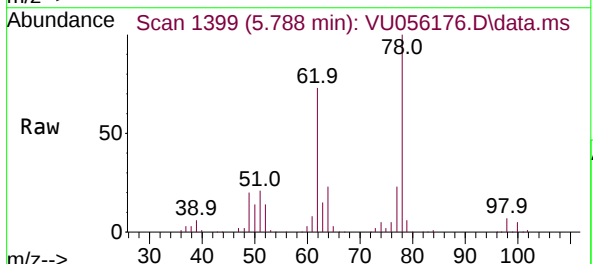
Acq: 10 Nov 2023 16:55

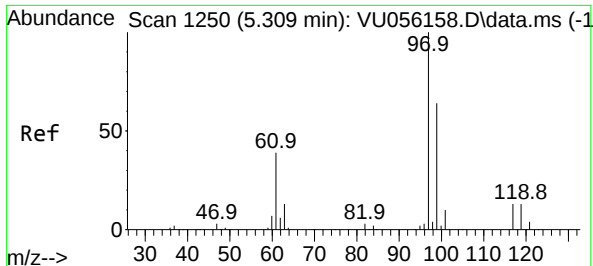
Tgt Ion: 62 Resp: 150235

Ion Ratio Lower Upper

62 100

98 9.8 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 5.290 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA_U

ClientSampleId :

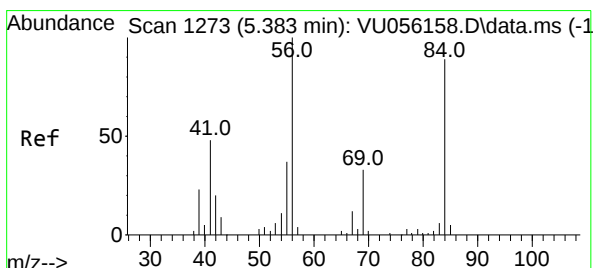
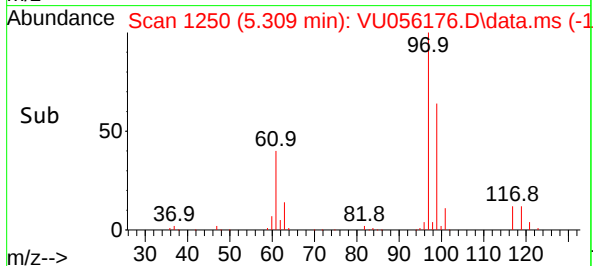
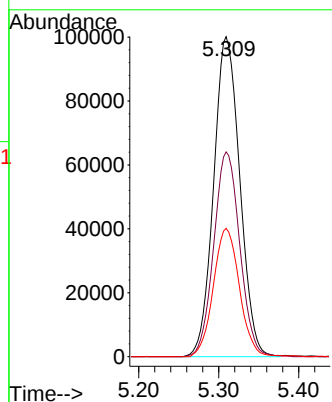
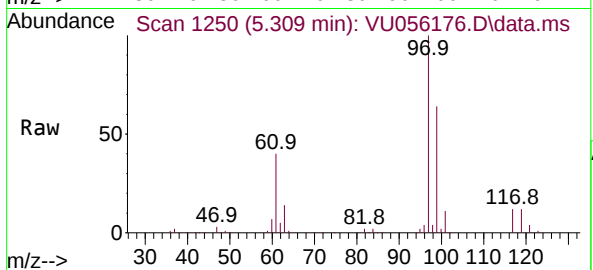
Tgt Ion: 97 Resp: 227447

Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

61 40.0 33.4 50.0



#30

Cyclohexane

Concen: 5.057 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

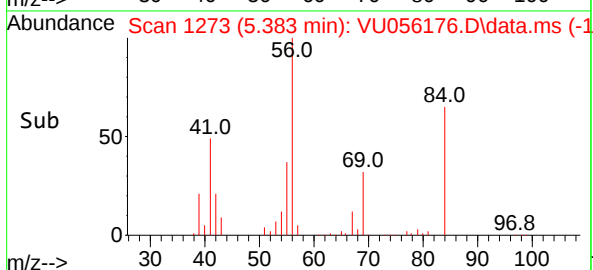
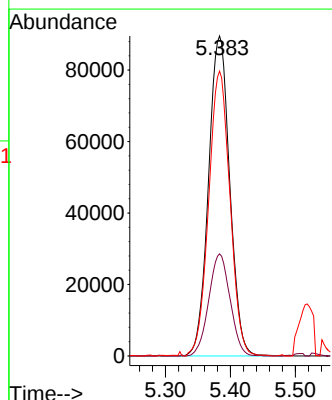
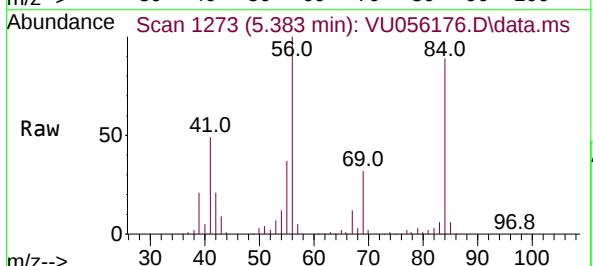
Tgt Ion: 56 Resp: 203153

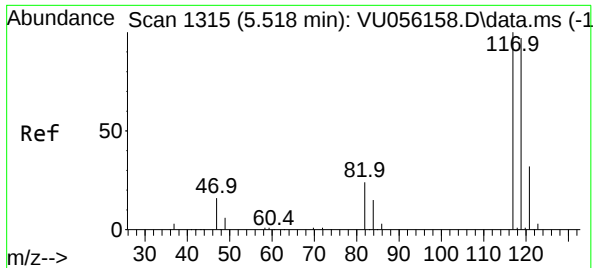
Ion Ratio Lower Upper

56 100

69 32.1 26.6 39.8

84 89.3 70.4 105.6

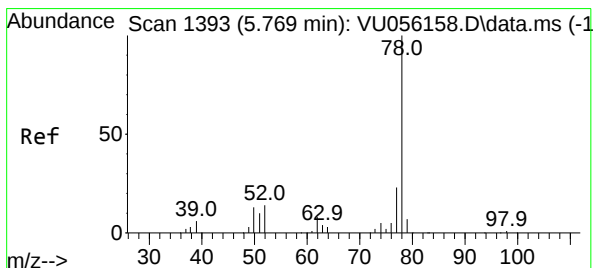
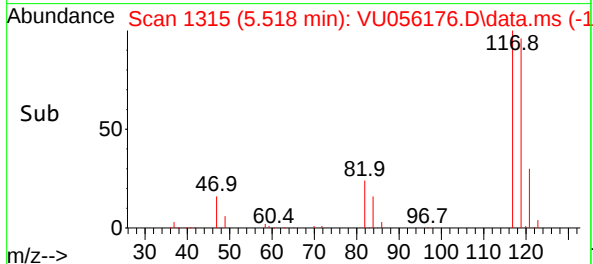
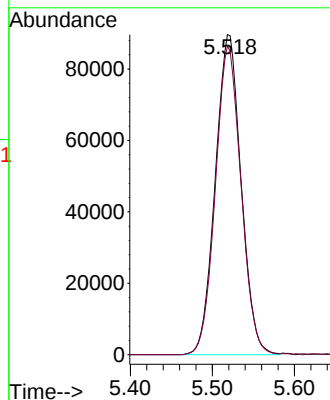
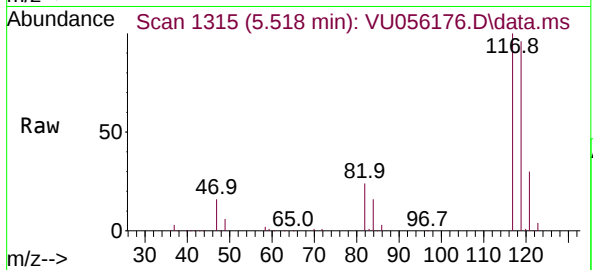




#31
Carbon tetrachloride
Concen: 5.135 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

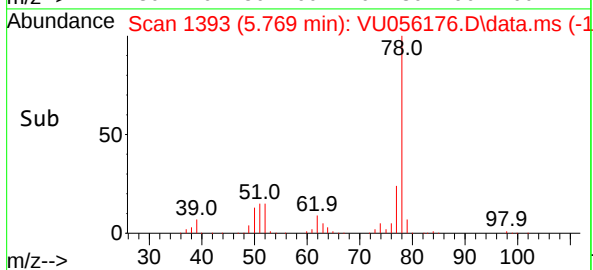
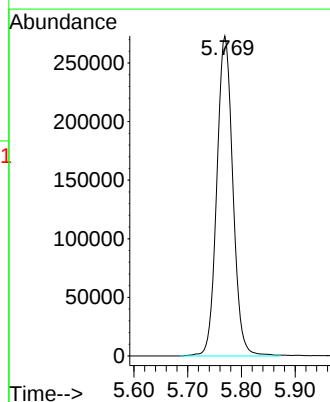
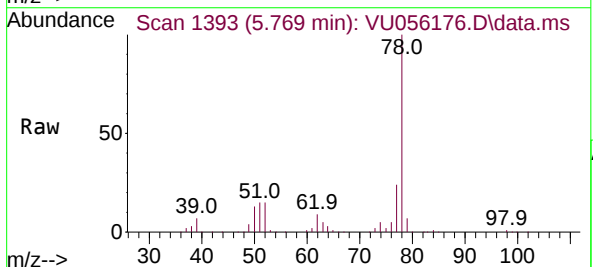
Instrument :
MSVOA_U
ClientSampleId :

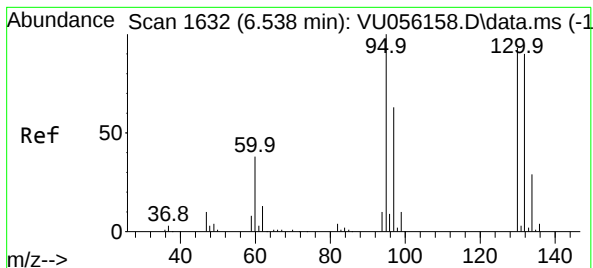
Tgt Ion:117 Resp: 196047
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8



#33
Benzene
Concen: 5.278 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion: 78 Resp: 567224





#34

Trichloroethene

Concen: 7.041 ug/L

RT: 6.538 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 206703

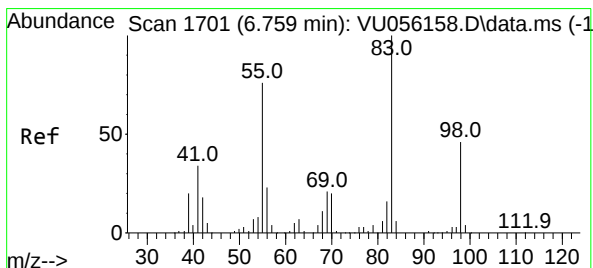
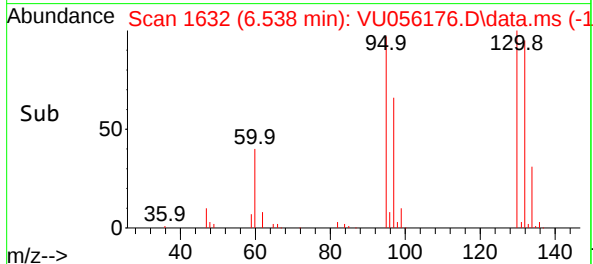
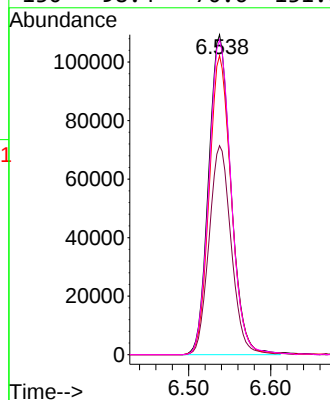
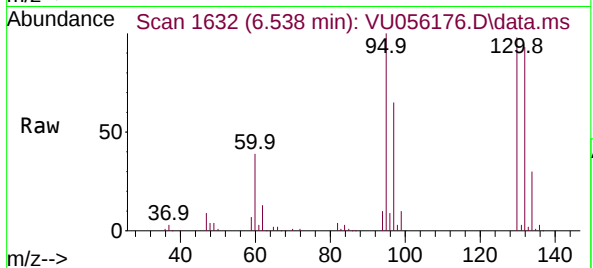
Ion Ratio Lower Upper

95 100

97 65.3 46.8 87.0

132 93.4 66.5 123.5

130 98.4 70.6 131.0



#35

Methylcyclohexane

Concen: 5.048 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

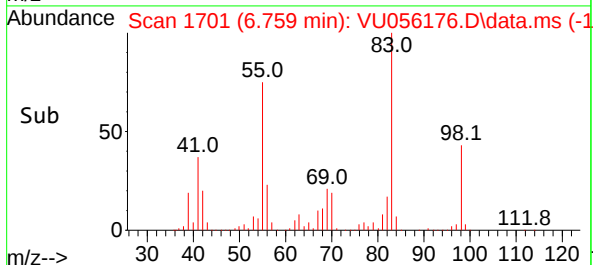
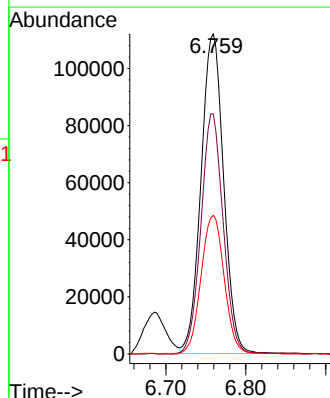
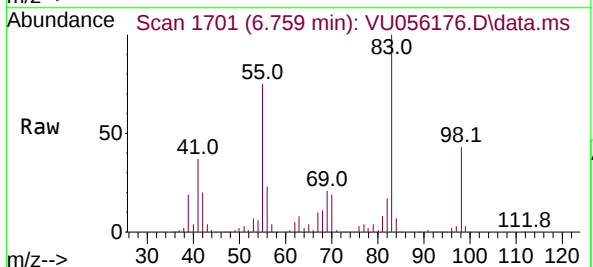
Tgt Ion: 83 Resp: 220221

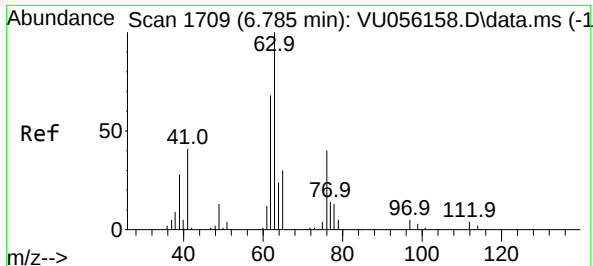
Ion Ratio Lower Upper

83 100

55 73.9 60.6 91.0

98 44.5 36.2 54.4

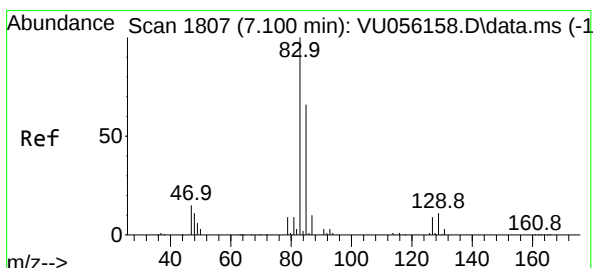
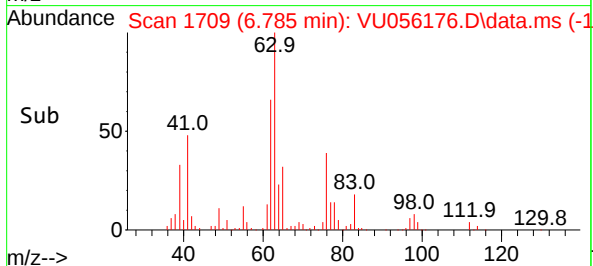
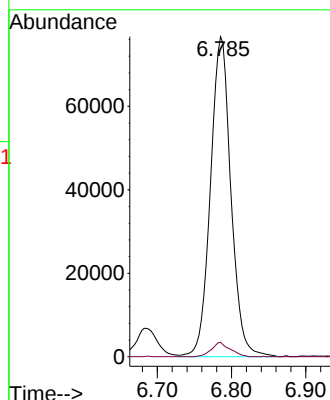
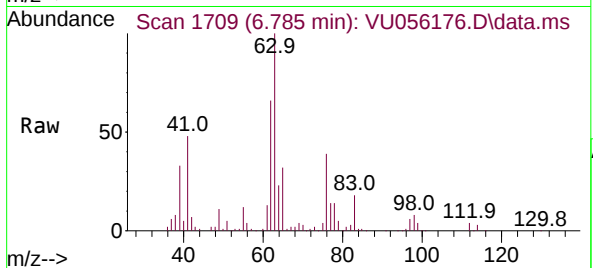




#37
1,2-Dichloropropane
Concen: 5.254 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

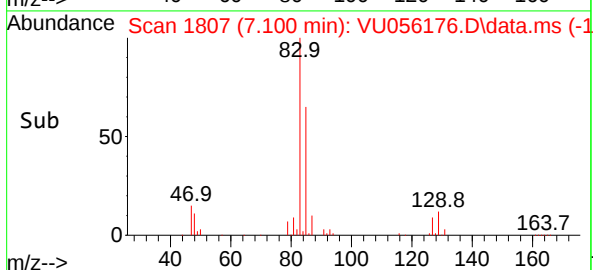
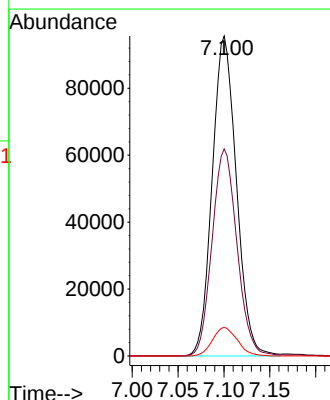
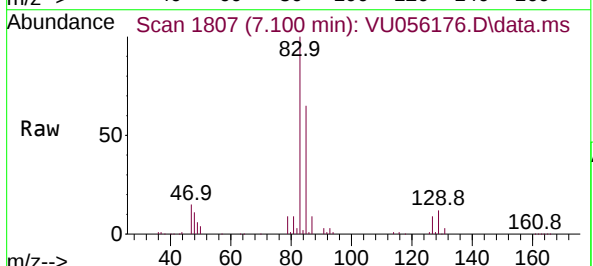
Instrument :
MSVOA_U
ClientSampleId :

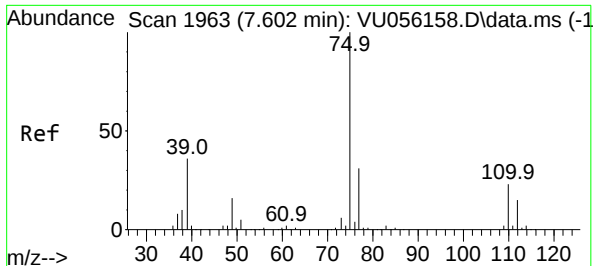
Tgt Ion: 63 Resp: 146843
Ion Ratio Lower Upper
63 100
112 4.0 3.4 5.2



#38
Bromodichloromethane
Concen: 5.027 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion: 83 Resp: 175452
Ion Ratio Lower Upper
83 100
85 64.7 46.6 86.6
127 9.0 7.3 10.9

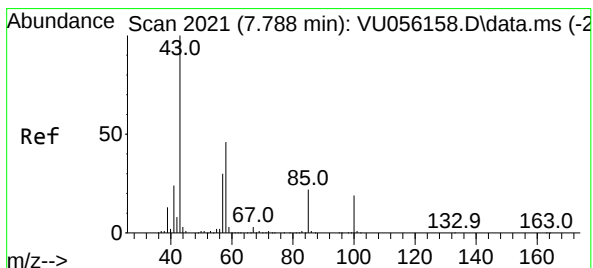
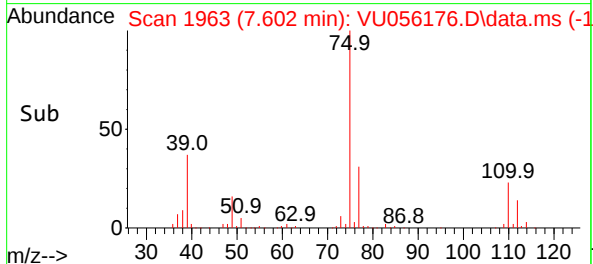
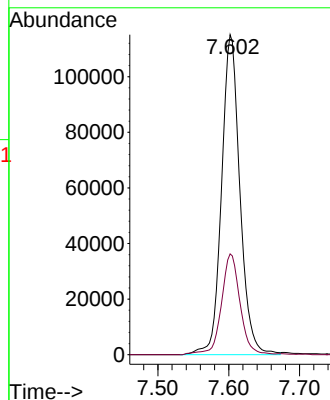
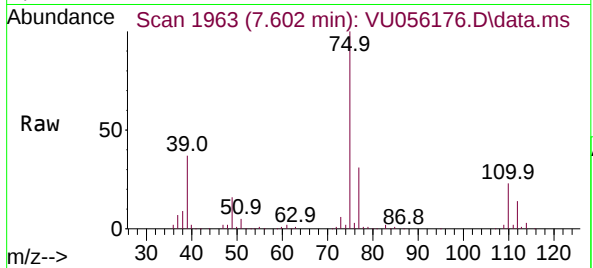




#39
 cis-1,3-Dichloropropene
 Concen: 5.256 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU056176.D
 Acq: 10 Nov 2023 16:55

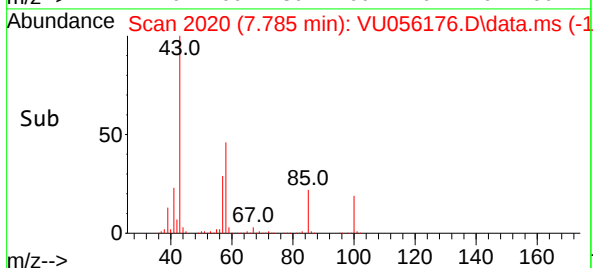
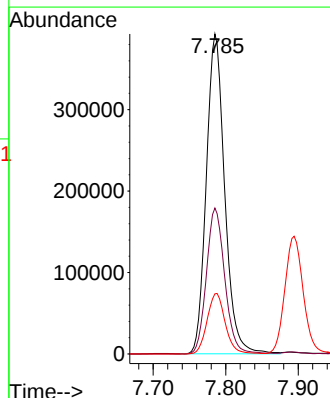
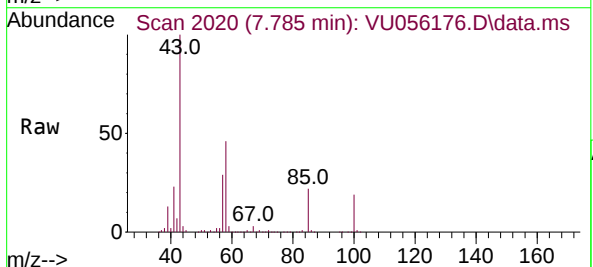
Instrument :
 MSVOA_U
 ClientSampleId :

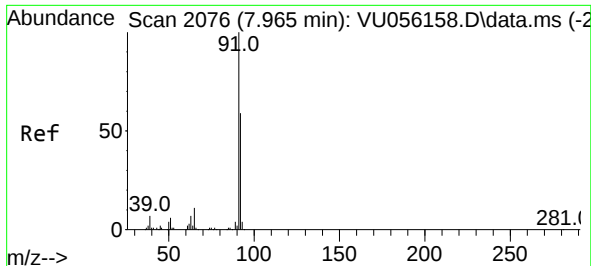
Tgt Ion: 75 Resp: 207315
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 56.688 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. -0.003 min
 Lab File: VU056176.D
 Acq: 10 Nov 2023 16:55

Tgt Ion: 43 Resp: 692976
 Ion Ratio Lower Upper
 43 100
 58 45.6 36.0 54.0
 100 18.7 14.2 21.4





#42

Toluene

Concen: 5.313 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA_U

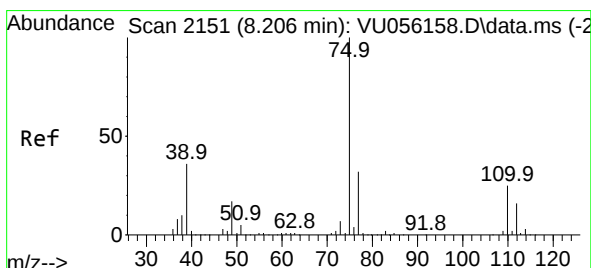
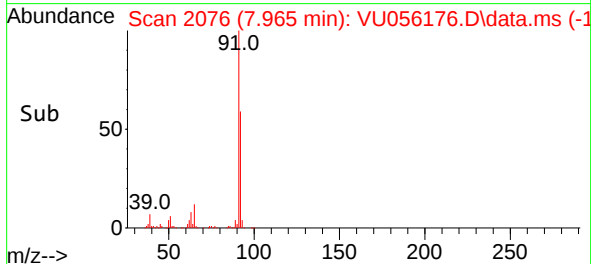
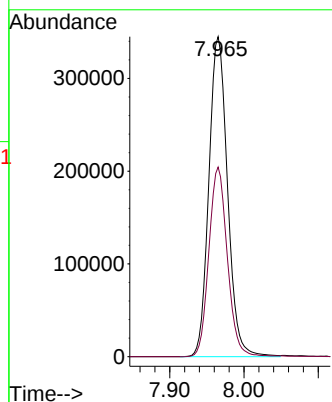
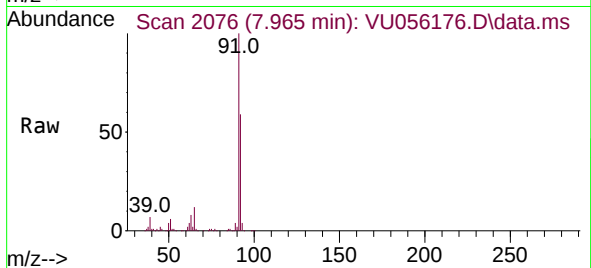
ClientSampleId :

Tgt Ion: 91 Resp: 601952

Ion Ratio Lower Upper

91 100

92 59.3 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.253 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056176.D

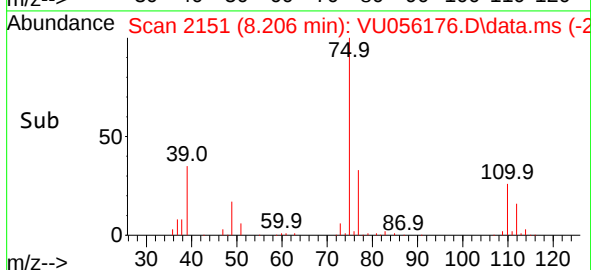
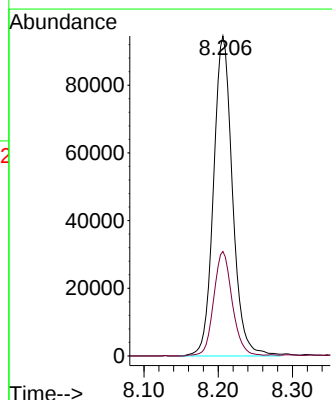
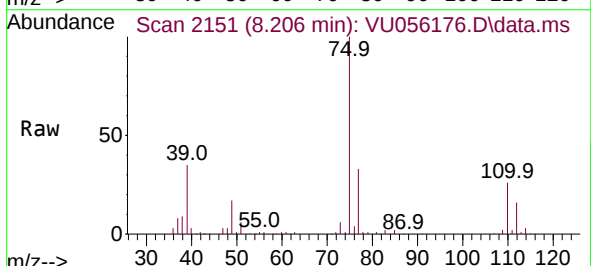
Acq: 10 Nov 2023 16:55

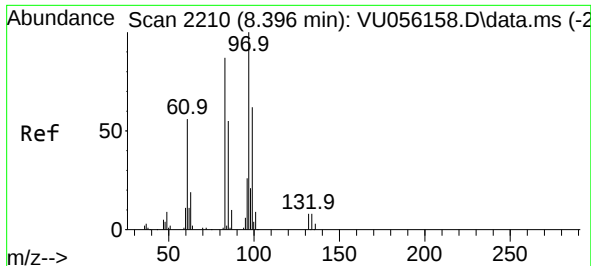
Tgt Ion: 75 Resp: 167755

Ion Ratio Lower Upper

75 100

77 32.7 21.7 40.3

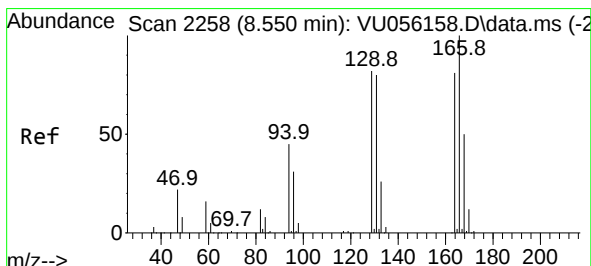
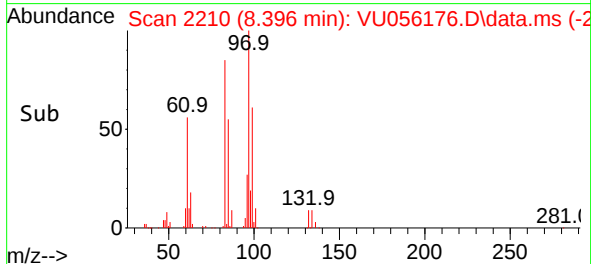
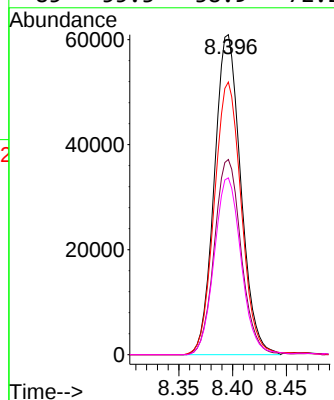
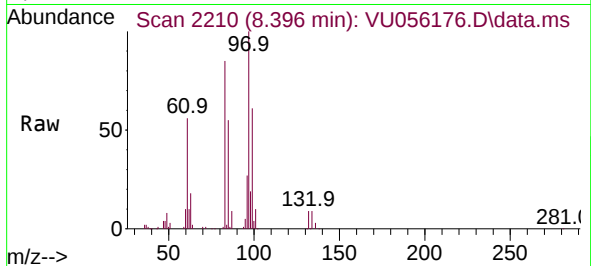




#45
1,1,2-Trichloroethane
Concen: 5.456 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

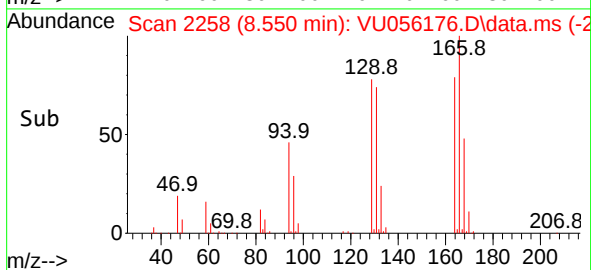
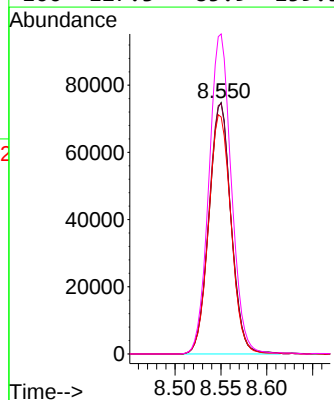
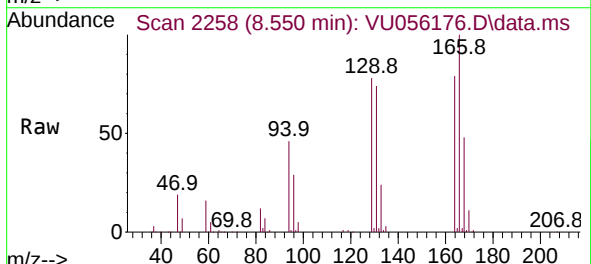
Instrument :
MSVOA_U
ClientSampleId :

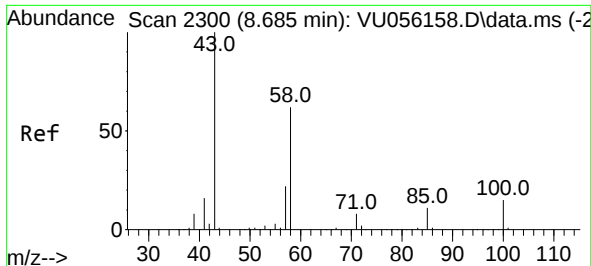
Tgt Ion: 97	Resp: 104237
Ion Ratio	Lower Upper
97 100	
99 61.0	44.7 82.9
83 85.2	59.4 110.2
85 55.3	38.9 72.2



#47
Tetrachloroethene
Concen: 5.694 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt	Ion:164	Resp:	125439
Ion	Ratio	Lower	Upper
164	100		
129	99.6	66.6	123.8
131	94.3	67.8	126.0
166	127.3	85.9	159.5

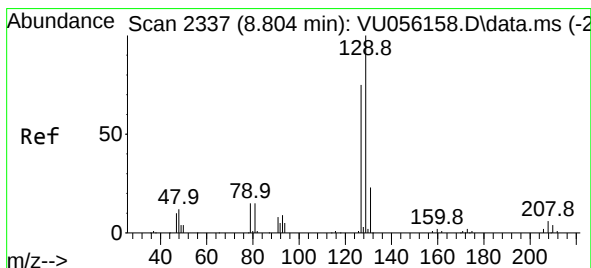
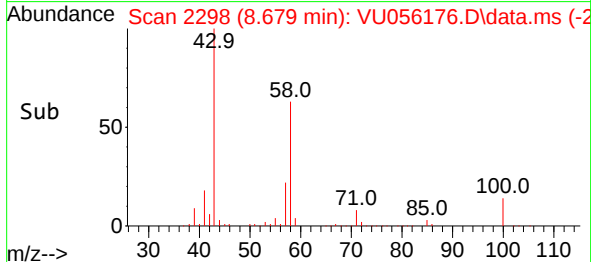
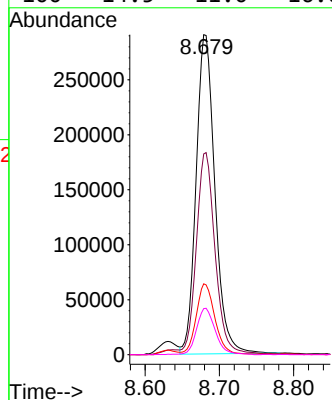
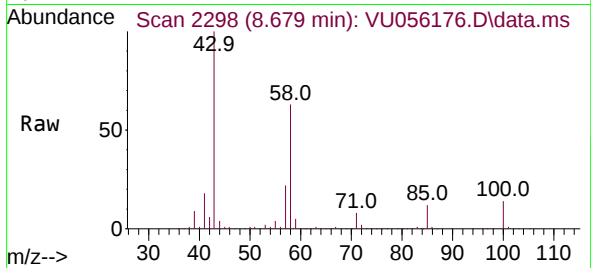




#48
2-Hexanone
Concen: 57.628 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.007 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

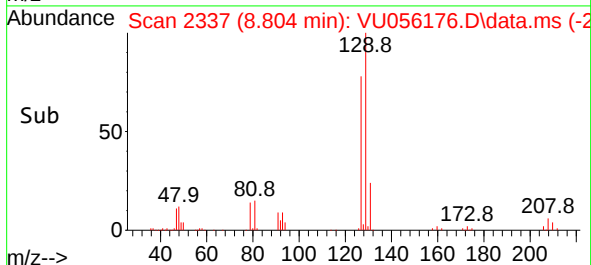
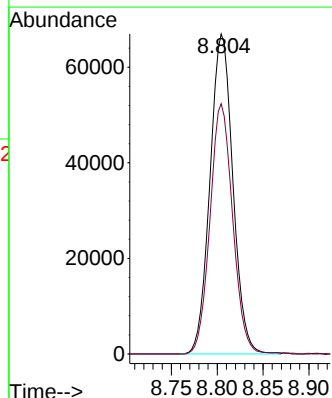
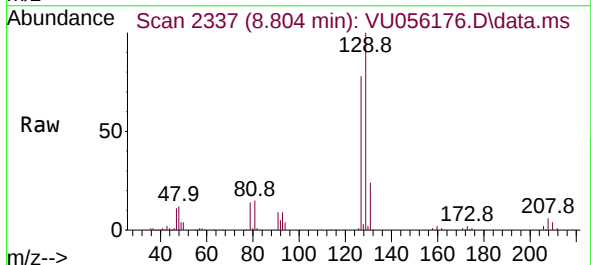
Instrument :
MSVOA_U
ClientSampleId :

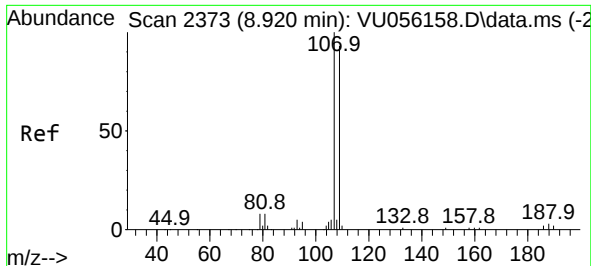
Tgt Ion: 43	Resp: 512909
Ion Ratio	Lower Upper
43 100	
58 63.4	52.0 78.0
57 21.9	17.4 26.2
100 14.5	11.0 16.6



#49
Dibromochloromethane
Concen: 5.302 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion:129	Resp: 116238
Ion Ratio	Lower Upper
129 100	
127 78.2	55.4 102.8





#50

1,2-Dibromoethane

Concen: 5.537 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056176.D

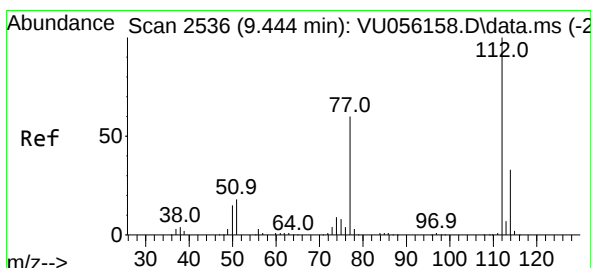
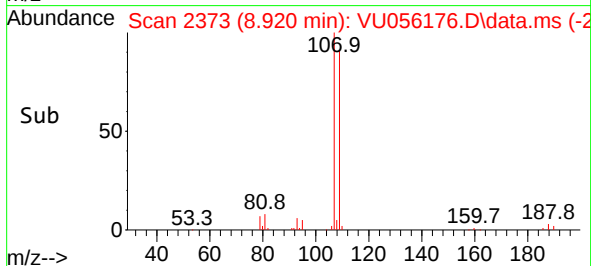
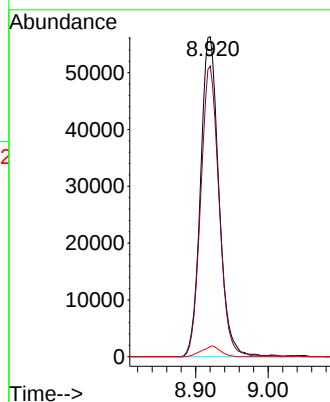
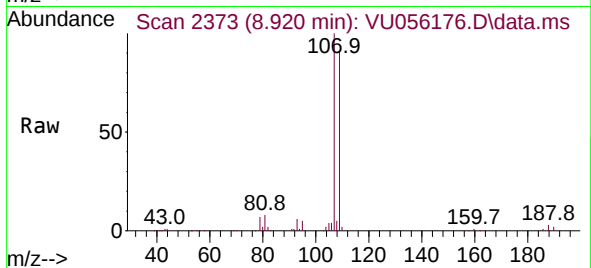
Acq: 10 Nov 2023 16:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	98851
Ion Ratio	Lower	Upper
107	100	
109	90.8	66.9 124.3
188	3.2	2.5 3.7



#51

Chlorobenzene

Concen: 5.288 ug/L

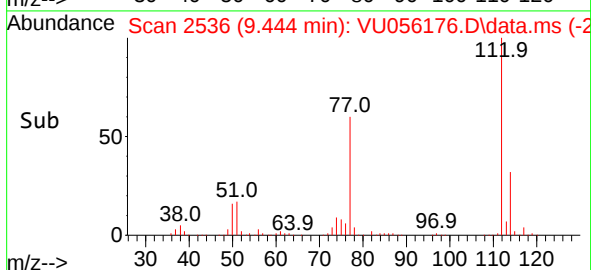
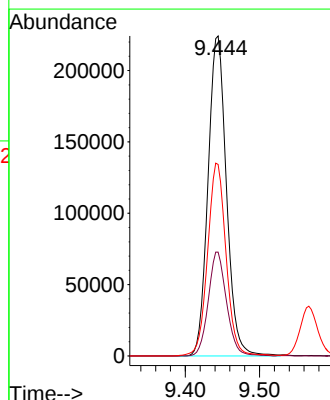
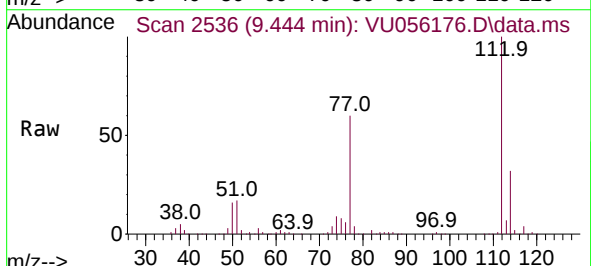
RT: 9.444 min Scan# 2536

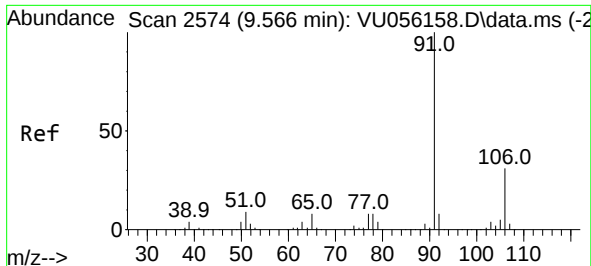
Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Tgt Ion:112	Resp:	386501
Ion Ratio	Lower	Upper
112	100	
114	32.5	21.8 40.4
77	59.9	48.2 72.4

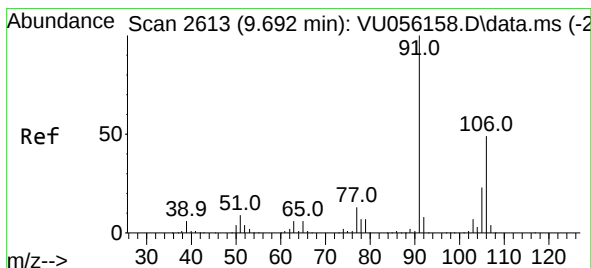
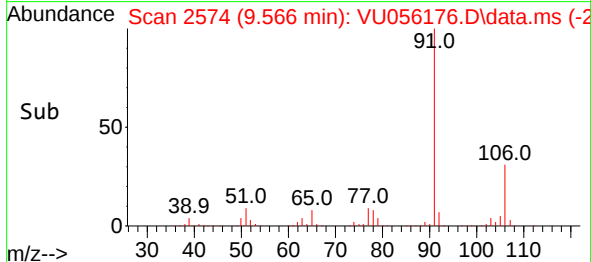
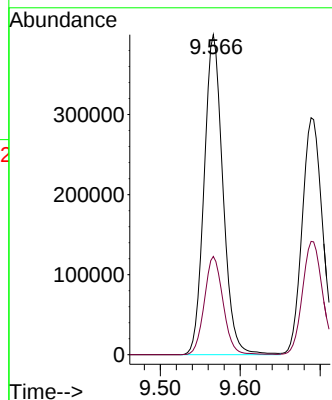
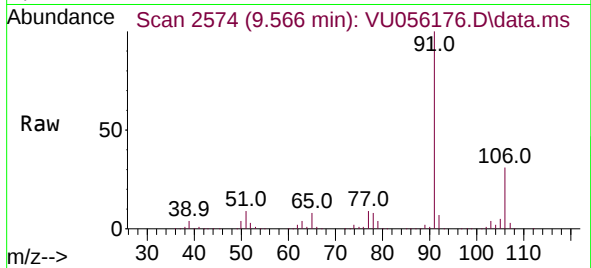




#52
Ethylbenzene
Concen: 5.307 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

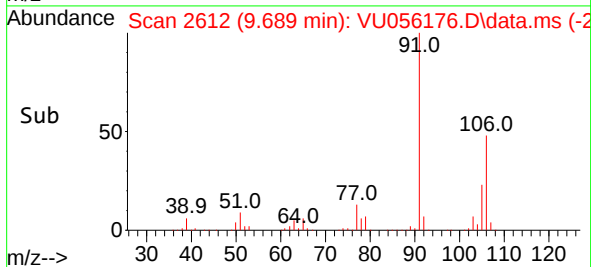
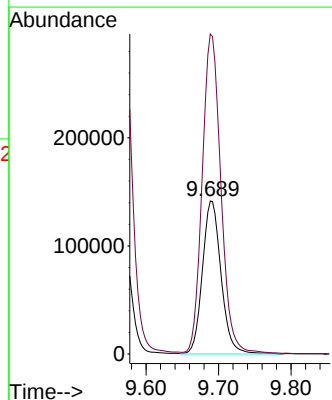
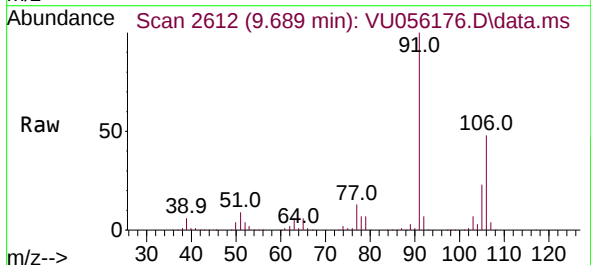
Instrument :
MSVOA_U
ClientSampleId :

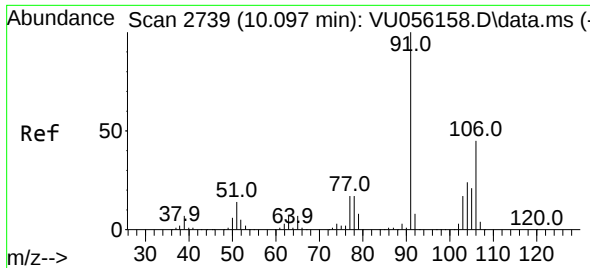
Tgt Ion: 91 Resp: 655255
Ion Ratio Lower Upper
91 100
106 30.7 21.2 39.4



#53
m,p-Xylene
Concen: 5.390 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion: 106 Resp: 253085
Ion Ratio Lower Upper
106 100
91 209.2 144.9 269.1

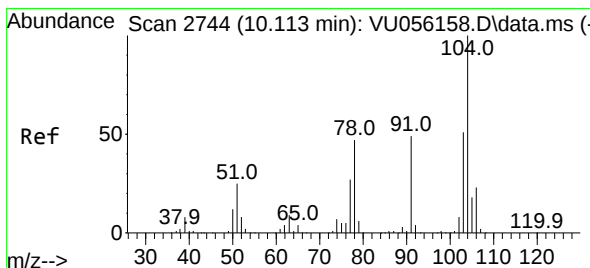
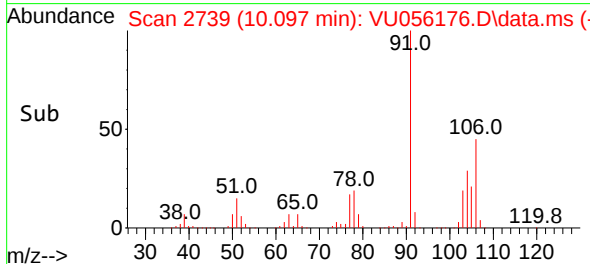
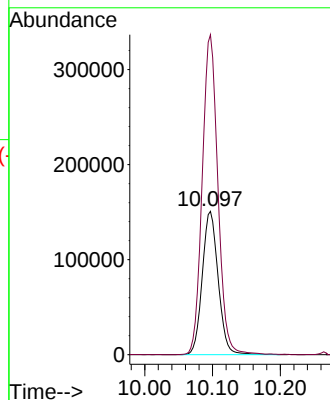
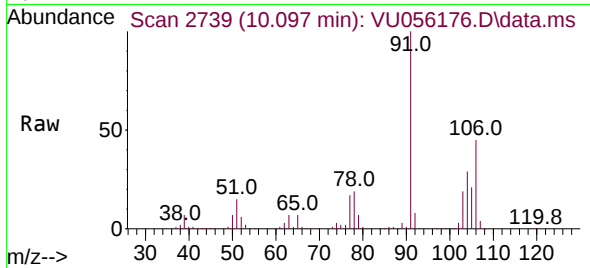




#54
o-Xylene
Concen: 5.458 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

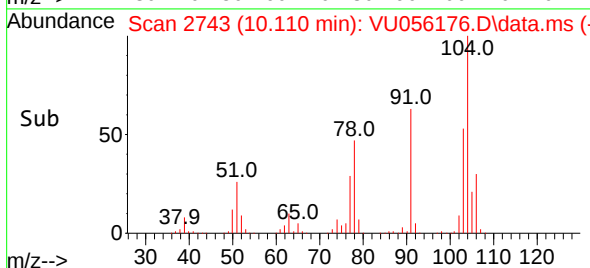
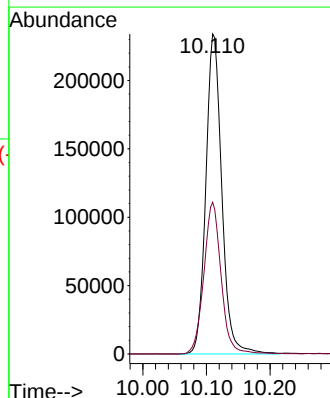
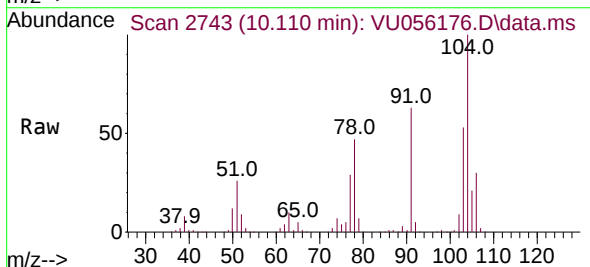
Instrument :
MSVOA_U
ClientSampleId :

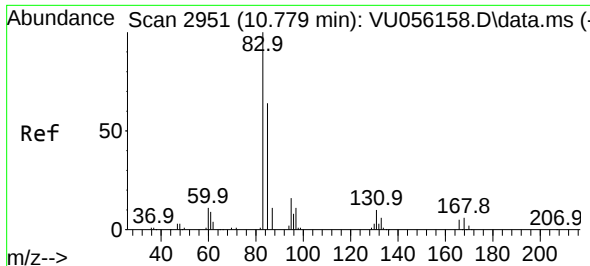
Tgt Ion:106 Resp: 245674
Ion Ratio Lower Upper
106 100
91 223.2 158.2 293.8



#55
Styrene
Concen: 5.535 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion:104 Resp: 407580
Ion Ratio Lower Upper
104 100
78 47.4 33.5 62.3

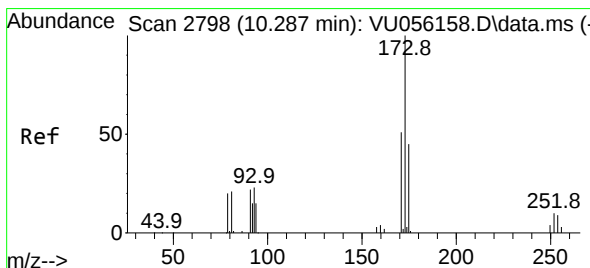
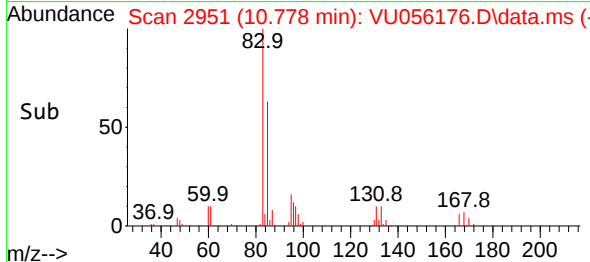
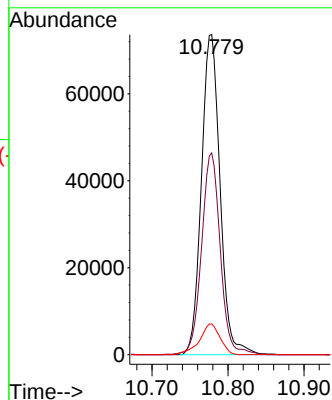
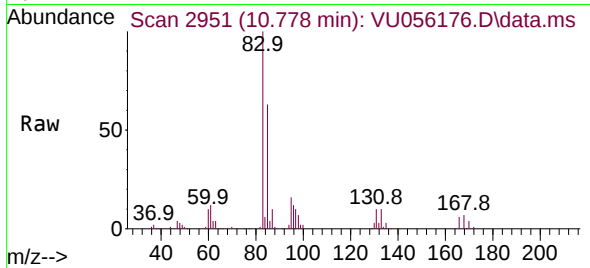




#57
1,1,2,2-Tetrachloroethane
Concen: 5.582 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

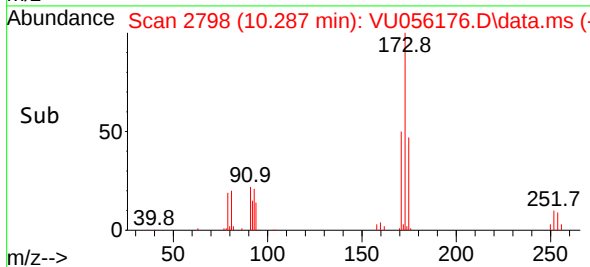
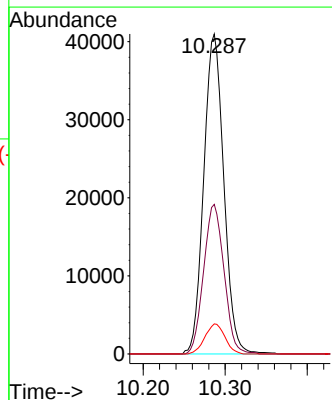
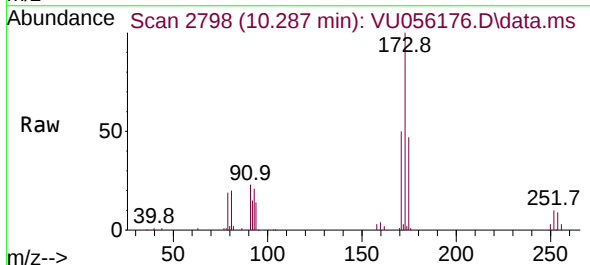
Instrument :
MSVOA_U
ClientSampleId :

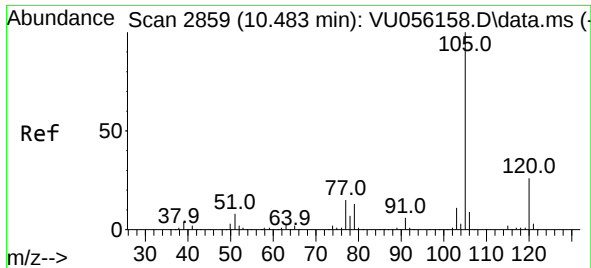
Tgt Ion: 83 Resp: 125330
Ion Ratio Lower Upper
83 100
85 63.0 44.0 81.8
131 9.6 7.4 11.2



#59
Bromoform
Concen: 5.203 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion: 173 Resp: 69666
Ion Ratio Lower Upper
173 100
175 47.5 39.0 58.4
254 9.4 8.2 12.2

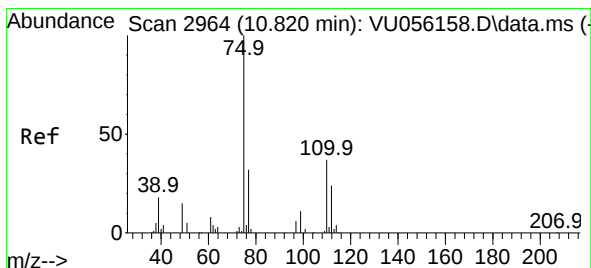
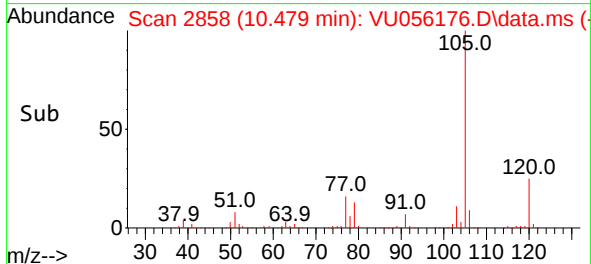
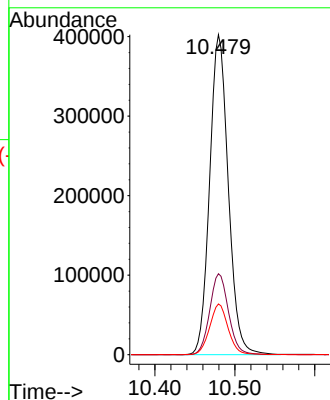
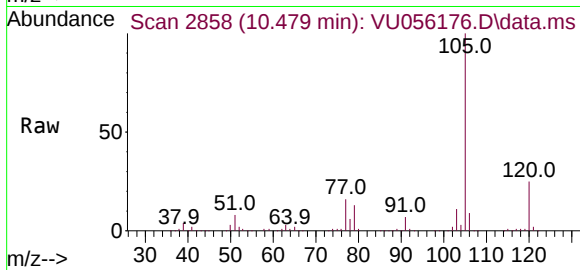




#60
Isopropylbenzene
Concen: 5.220 ug/L
RT: 10.479 min Scan# 2859
Delta R.T. -0.003 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

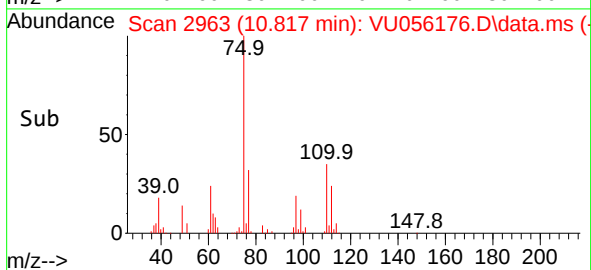
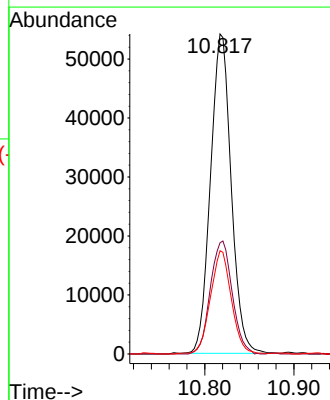
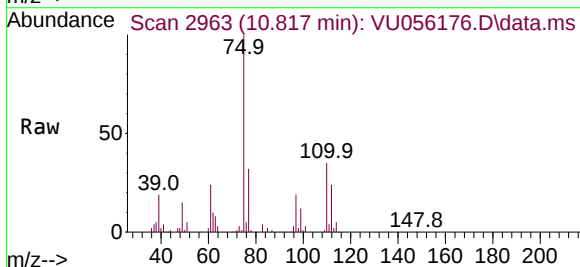
Instrument :
MSVOA_U
ClientSampleId :

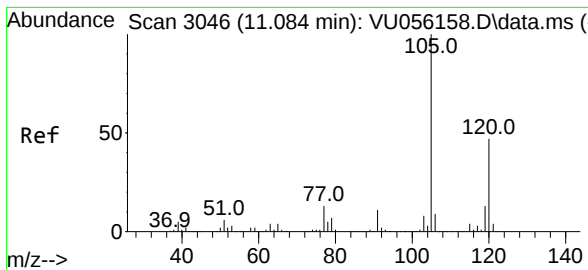
Tgt Ion:105 Resp: 652439
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 15.8 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.237 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion: 75 Resp: 87144
Ion Ratio Lower Upper
75 100
110 37.5 29.7 44.5
77 32.9 25.5 38.3

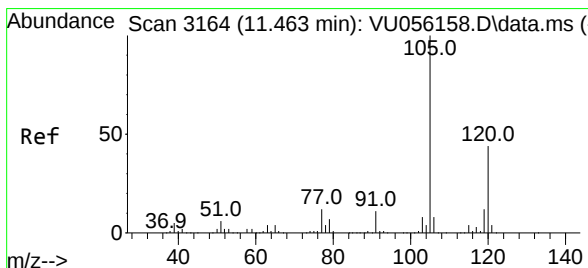
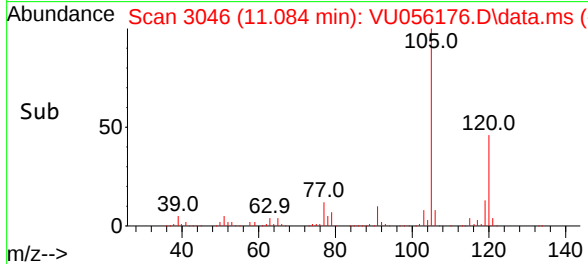
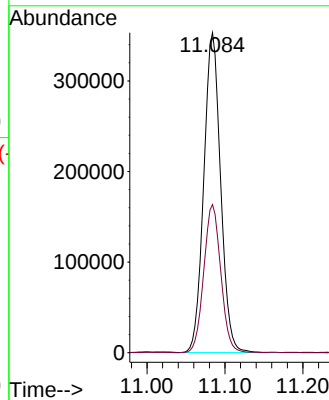
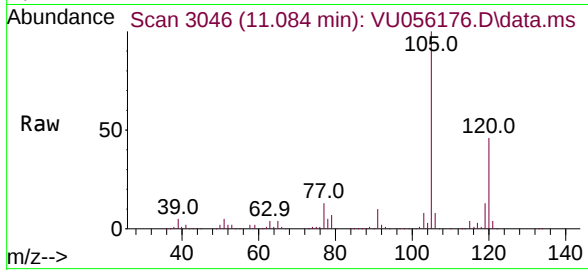




#62
 1,3,5-Trimethylbenzene
 Concen: 5.222 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. -0.000 min
 Lab File: VU056176.D
 Acq: 10 Nov 2023 16:55

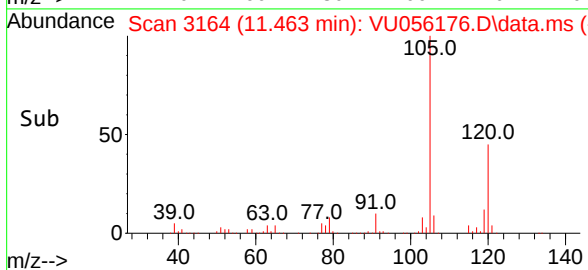
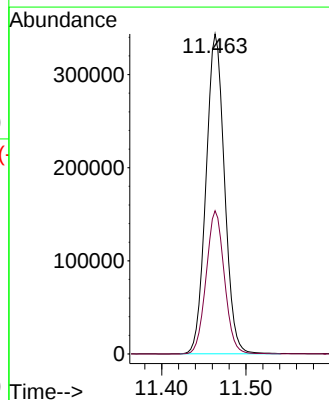
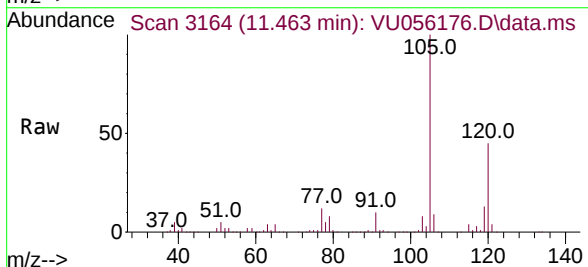
Instrument :
 MSVOA_U
 ClientSampleId :

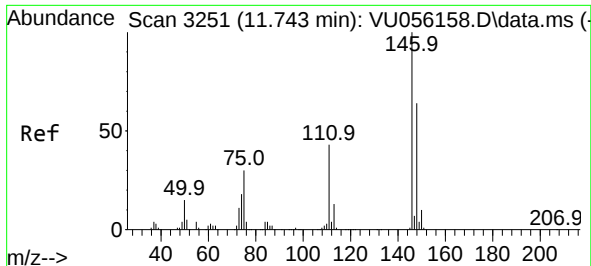
Tgt Ion:105 Resp: 529300
 Ion Ratio Lower Upper
 105 100
 120 47.0 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 5.284 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU056176.D
 Acq: 10 Nov 2023 16:55

Tgt Ion:105 Resp: 525450
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.4 53.0

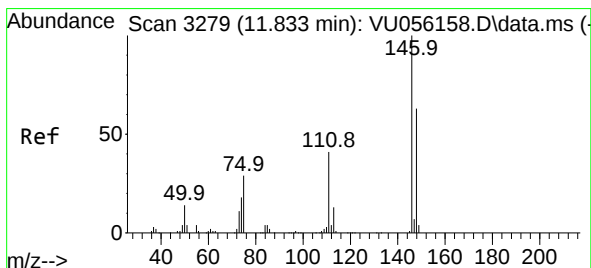
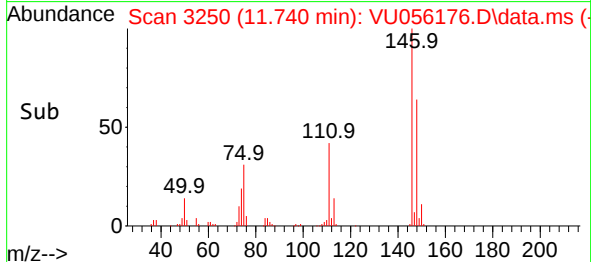
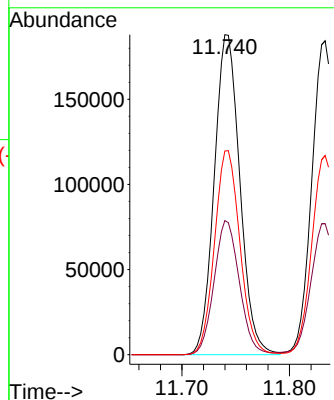
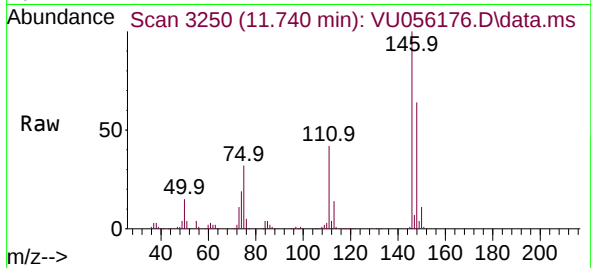




#64
1,3-Dichlorobenzene
Concen: 5.260 ug/L
RT: 11.740 min Scan# 311387
Delta R.T. -0.003 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

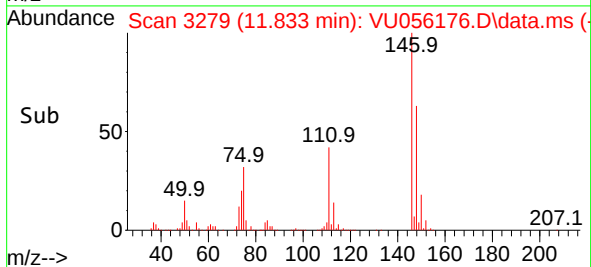
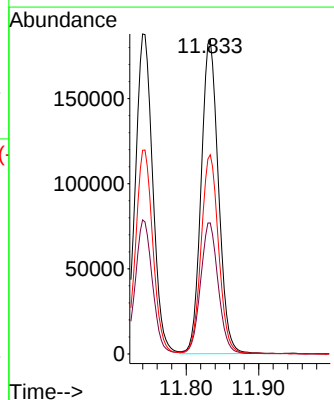
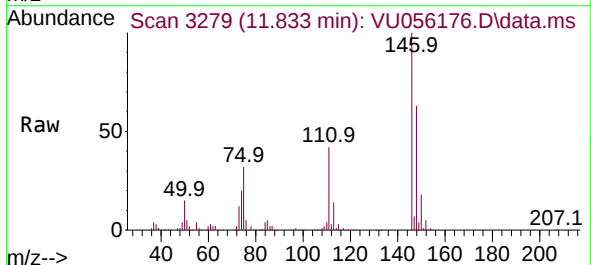
Instrument :
MSVOA_U
ClientSampleId :

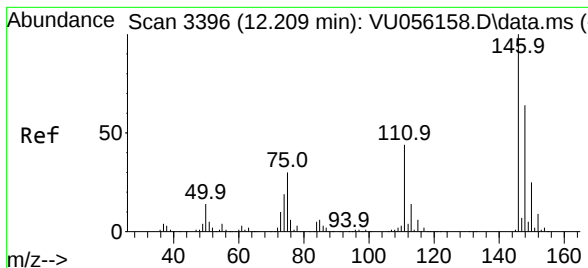
Tgt Ion:146 Resp: 311387
Ion Ratio Lower Upper
146 100
111 41.9 29.7 55.1
148 63.7 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 5.212 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion:146 Resp: 305102
Ion Ratio Lower Upper
146 100
111 41.7 29.0 53.8
148 63.5 43.9 81.5





#67

1,2-Dichlorobenzene

Concen: 5.256 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA_U

ClientSampleId :

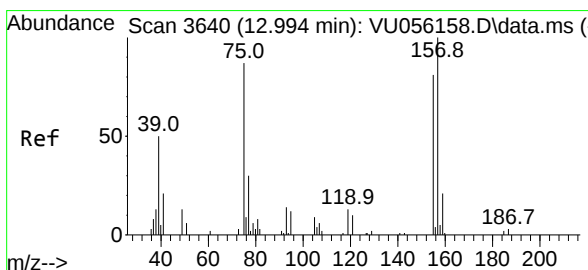
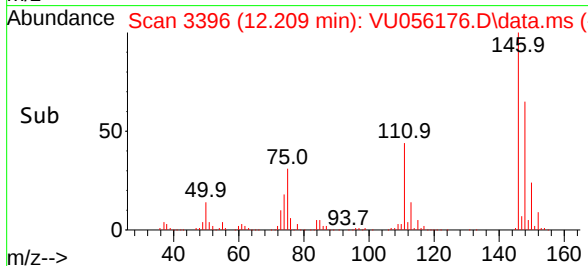
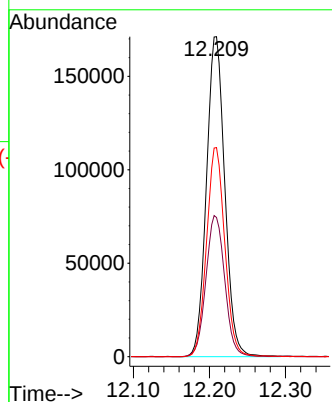
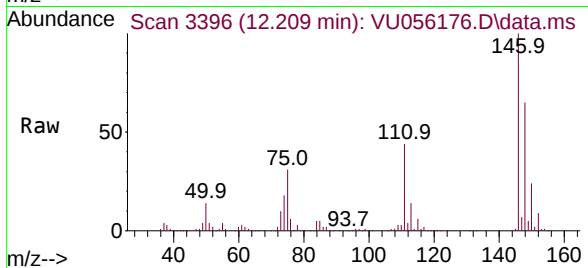
Tgt Ion:146 Resp: 286722

Ion Ratio Lower Upper

146 100

111 43.5 35.2 52.8

148 65.4 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.242 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

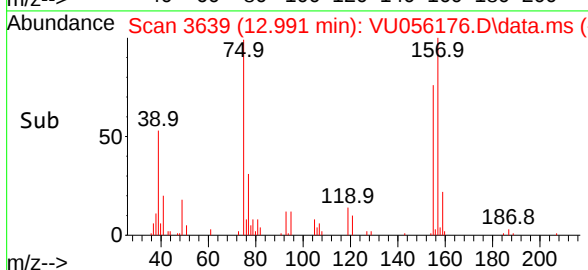
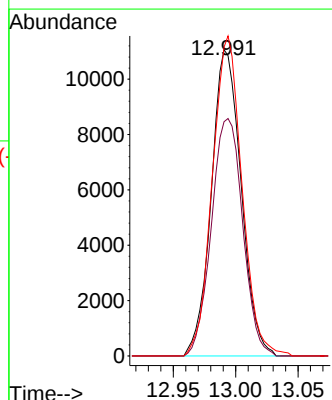
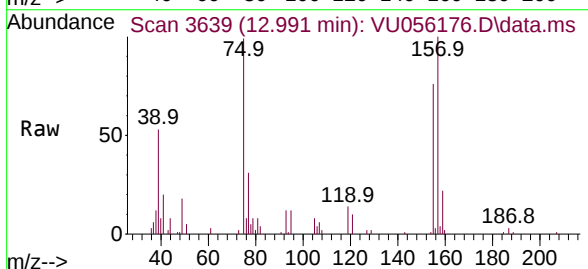
Tgt Ion: 75 Resp: 18401

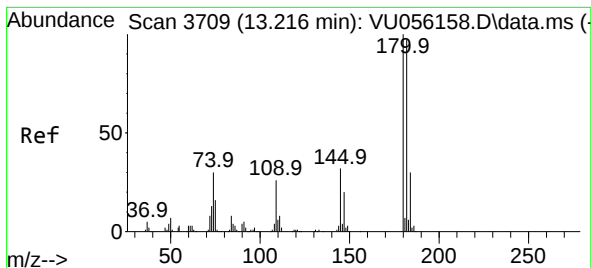
Ion Ratio Lower Upper

75 100

155 76.5 63.3 94.9

157 100.8 79.1 118.7





#69

1,3,5-Trichlorobenzene

Concen: 5.249 ug/L

RT: 13.216 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 232728

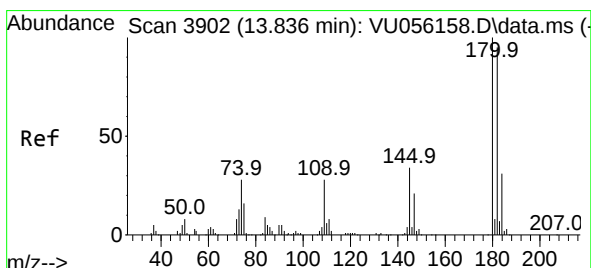
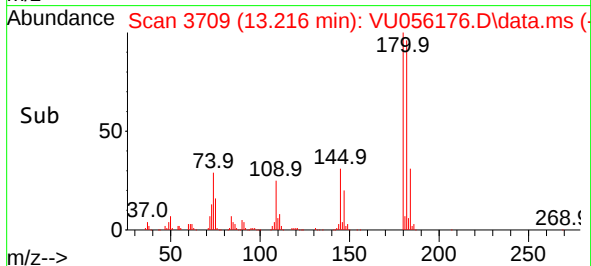
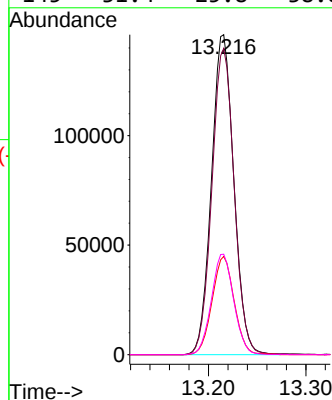
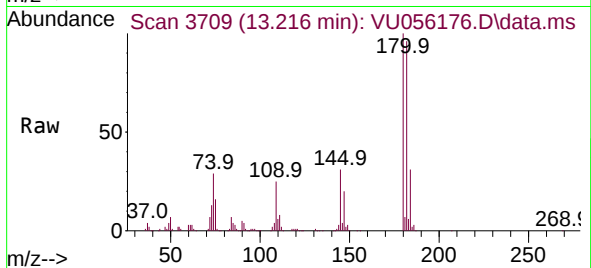
Ion Ratio Lower Upper

180 100

182 95.5 76.0 114.0

184 30.4 24.0 36.0

145 31.4 25.8 38.8



#70

1,2,4-trichlorobenzene

Concen: 5.559 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU056176.D

Acq: 10 Nov 2023 16:55

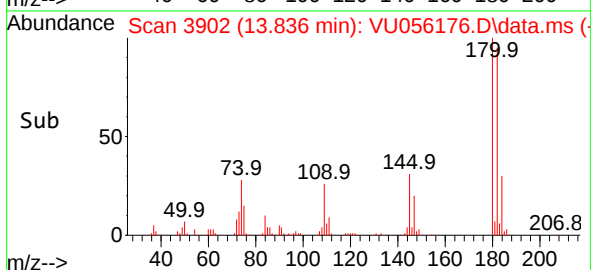
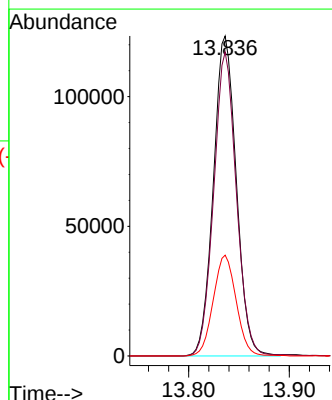
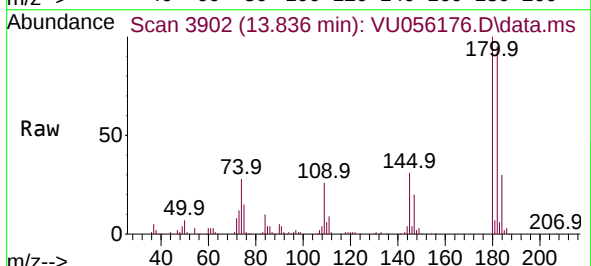
Tgt Ion:180 Resp: 195547

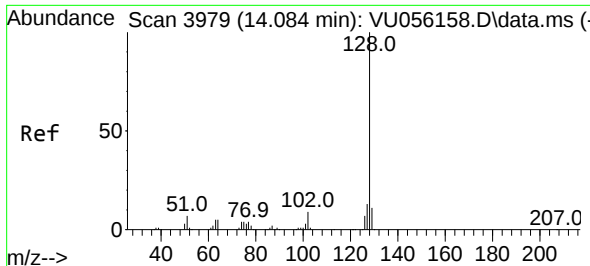
Ion Ratio Lower Upper

180 100

182 94.0 77.4 116.2

145 31.5 25.9 38.9

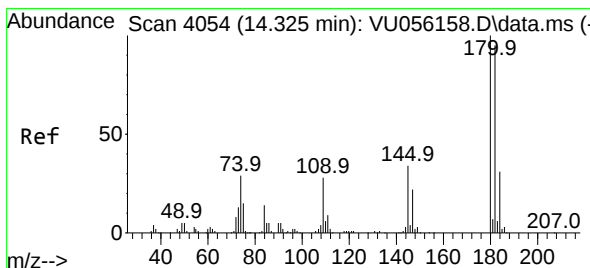
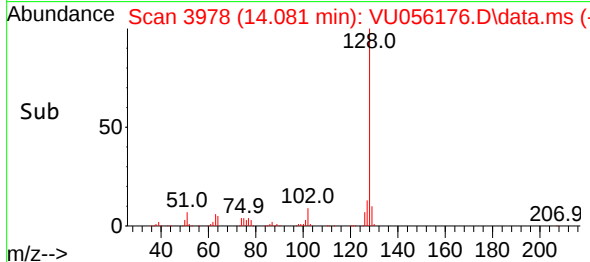
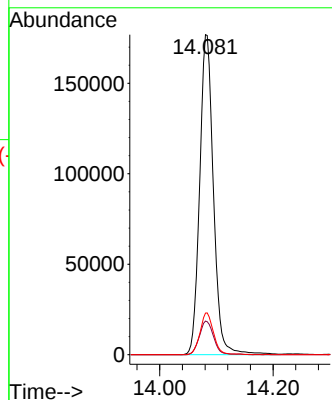
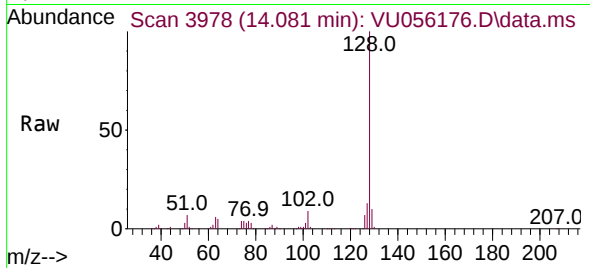




#71
Naphthalene
Concen: 5.716 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 298236
Ion Ratio Lower Upper
128 100
129 10.9 8.4 12.6
127 12.8 10.5 15.7



#72
1,2,3-Trichlorobenzene
Concen: 5.564 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU056176.D
Acq: 10 Nov 2023 16:55

Tgt Ion:180 Resp: 171584
Ion Ratio Lower Upper
180 100
182 94.9 76.6 115.0
145 33.2 28.0 42.0

