

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010924\
 Data File : VU057458.D
 Acq On : 09 Jan 2024 22:39
 Operator : MD/SY
 Sample : 01059-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 10 00:41:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 10 00:35:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	260404	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	393749	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	124438	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	61940	34.559	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.120%
7) Chloroethane-d5	1.911	69	51380	37.045	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.080%
11) 1,1-Dichloroethene-d2	2.563	63	152202	40.065	ug/L	0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.140%
21) 2-Butanone-d5	4.628	46	93934	108.161	ug/L	-0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.160%
24) Chloroform-d	5.055	84	187608	44.265	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.520%
26) 1,2-Dichloroethane-d4	5.695	65	126158	45.058	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.120%
32) Benzene-d6	5.721	84	306623	29.010	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	58.020%#
36) 1,2-Dichloropropane-d6	6.682	67	86825	29.105	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	58.200%#
41) Toluene-d8	7.891	98	292688	29.550	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	59.100%#
43) trans-1,3-Dichloroprop...	8.174	79	58978	33.123	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.240%
47) 2-Hexanone-d5	8.637	63	70101	71.883	ug/L	-0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.880%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	190381	42.705	ug/L	-0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.420%
66) 1,2-Dichlorobenzene-d4	12.190	152	116701	47.950	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	141019	47.469	ug/L	99
3) Chloromethane	1.518	50	89927	48.241	ug/L	97
5) Vinyl chloride	1.605	62	95532	47.871	ug/L	98
6) Bromomethane	1.856	94	61865	46.837	ug/L	100
8) Chloroethane	1.930	64	54896	47.028	ug/L	94
9) Trichlorofluoromethane	2.129	101	199343	47.874	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	95049	47.532	ug/L	99
12) 1,1-Dichloroethene	2.576	96	87983	49.864	ug/L	79
13) Acetone	2.637	43	188951	178.662	ug/L	97
14) Carbon disulfide	2.785	76	260543	47.674	ug/L	100
16) Methylene chloride	3.042	84	94664	47.187	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	90029	49.875	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	308114	53.326	ug/L	99
19) 1,1-Dichloroethane	3.862	63	172652	51.664	ug/L	99
20) cis-1,2-Dichloroethene	4.656	96	99277	51.414	ug/L	99
22) 2-Butanone	4.705	43	119102	114.293	ug/L	93
23) Bromochloromethane	4.965	128	54025	48.741	ug/L	98
25) Chloroform	5.078	83	197333	48.656	ug/L	99
27) 1,2-Dichloroethane	5.785	62	170977	50.047	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010924\
 Data File : VU057458.D
 Acq On : 09 Jan 2024 22:39
 Operator : MD/SY
 Sample : 01059-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

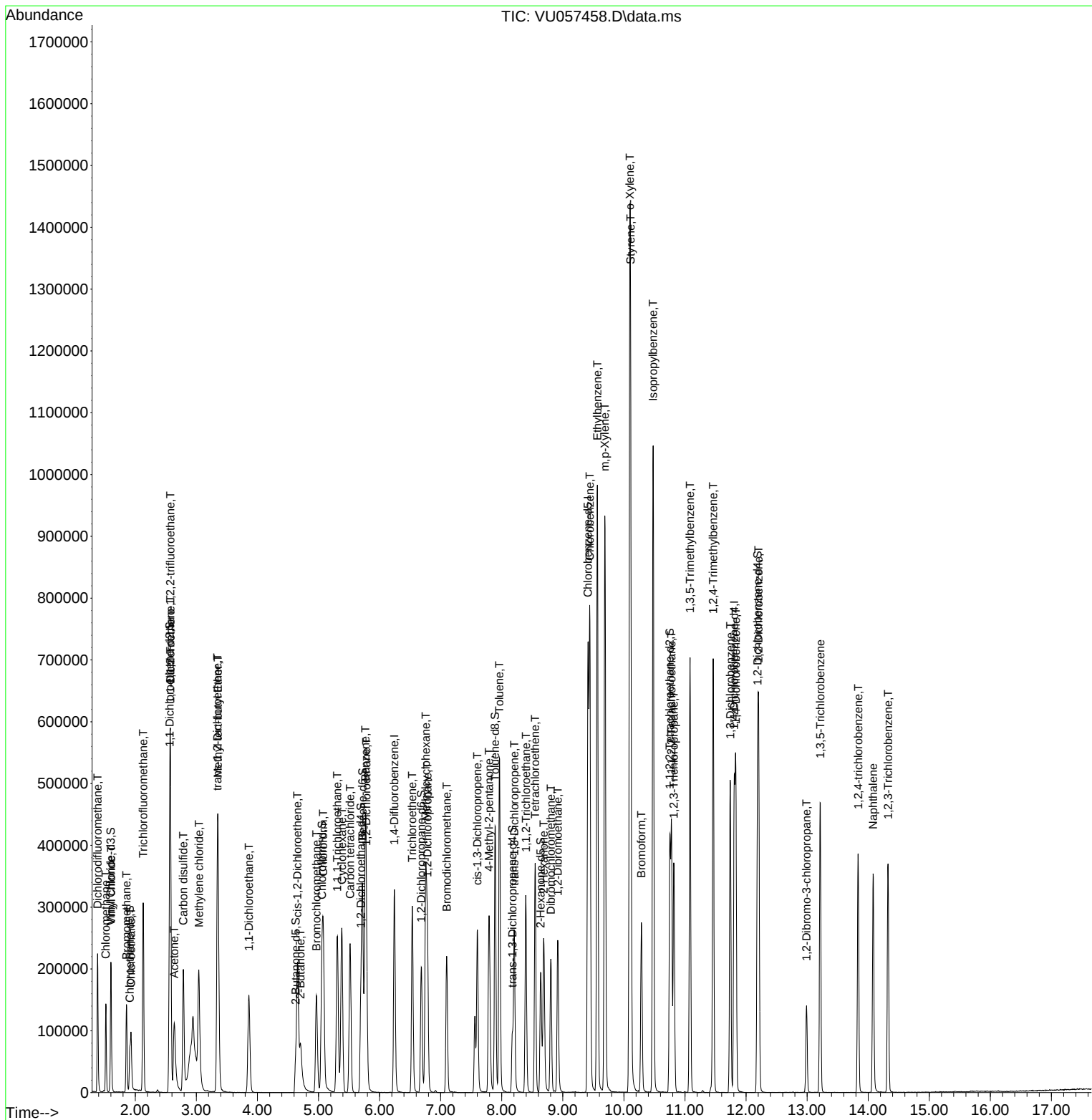
Instrument :
 MSVOA_U
 ClientSampleId :

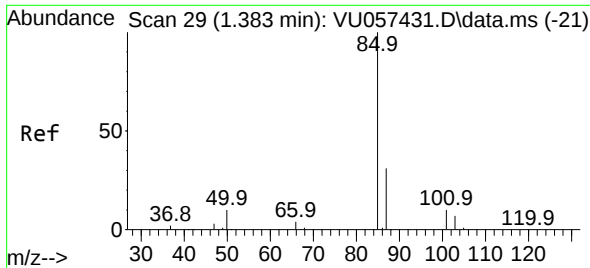
Quant Time: Jan 10 00:41:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 10 00:35:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.383	56	125785	33.765	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	195971	32.348	ug/L	99
31) Carbon tetrachloride	5.518	117	173073	32.211	ug/L	99
33) Benzene	5.766	78	367439	33.206	ug/L	100
34) Trichloroethene	6.534	95	103836	32.141	ug/L	99
35) Methylcyclohexane	6.756	83	144621	32.903	ug/L	99
37) 1,2-Dichloropropane	6.785	63	88443	32.389	ug/L	99
38) Bromodichloromethane	7.100	83	148610	32.127	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	155577	32.537	ug/L	99
40) 4-Methyl-2-pentanone	7.791	43	203401	73.106	ug/L	99
42) Toluene	7.962	91	399524	33.577	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	157930	32.899	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	100047	33.299	ug/L	98
46) Tetrachloroethene	8.547	164	78198	31.999	ug/L	99
48) 2-Hexanone	8.688	43	155282	69.371	ug/L	100
49) Dibromochloromethane	8.804	129	117299	32.036	ug/L	97
50) 1,2-Dibromoethane	8.917	107	165255	51.853	ug/L	97
51) Chlorobenzene	9.441	112	404481	50.592	ug/L	97
52) Ethylbenzene	9.566	91	709872	53.576	ug/L	98
53) m,p-Xylene	9.688	106	264150	53.331	ug/L	99
54) o-Xylene	10.097	106	255029	52.724	ug/L	99
55) Styrene	10.110	104	440322	53.757	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	201781	44.539	ug/L	95
59) Bromoform	10.286	173	124200	68.835	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	157071	66.639	ug/L	97
61) Isopropylbenzene	10.479	105	665692	81.687	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	385841	55.362	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	390360	57.057	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	204688	53.296	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	198626	50.382	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	199556	51.551	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	39265	62.387	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	142417	51.804	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	114447	54.679	ug/L	99
71) Naphthalene	14.081	128	287464	58.779	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	111560	56.361	ug/L	100

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

Quant Time: Jan 10 00:41:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jan 10 00:35:16 2024
Response via : Initial Calibration

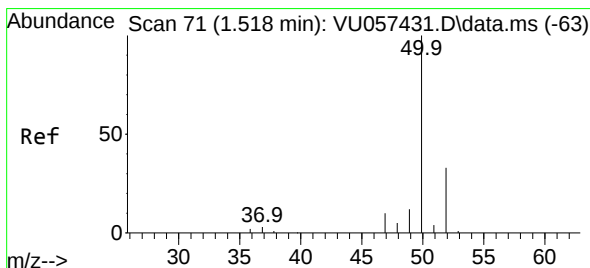
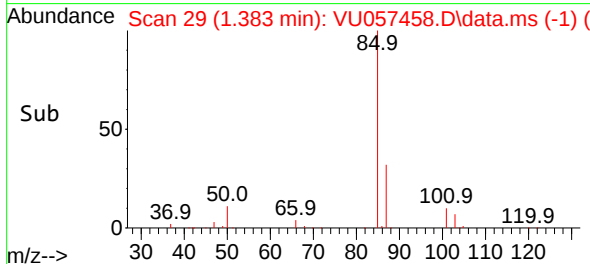
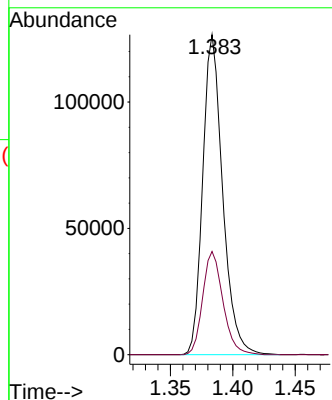
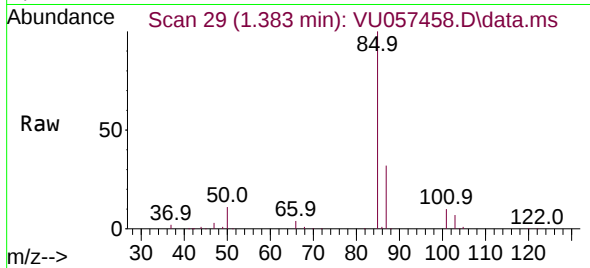




#2
 Dichlorodifluoromethane
 Concen: 47.469 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057458.D
 Acq: 09 Jan 2024 22:39

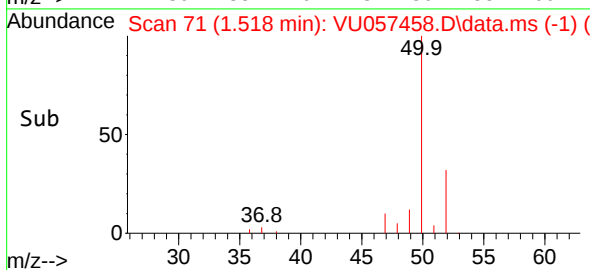
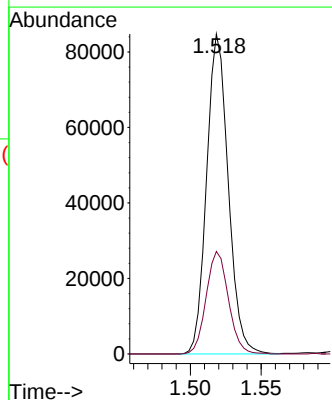
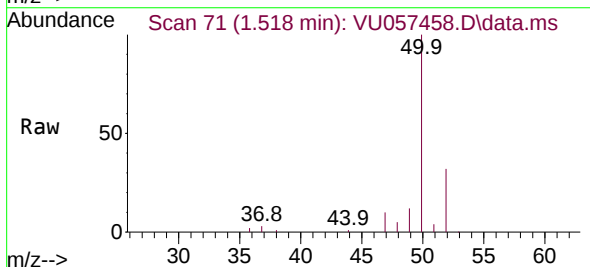
Instrument :
 MSVOA_U
 ClientSampleId :

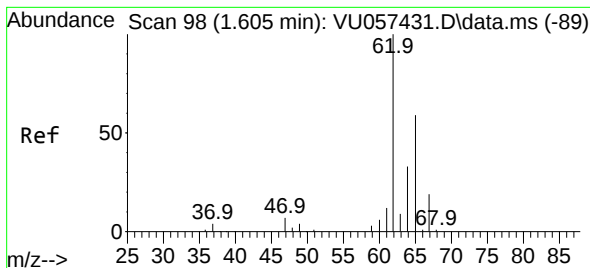
Tgt Ion: 85 Resp: 141019
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.8 38.6



#3
 Chloromethane
 Concen: 48.241 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057458.D
 Acq: 09 Jan 2024 22:39

Tgt Ion: 50 Resp: 89927
 Ion Ratio Lower Upper
 50 100
 52 32.1 23.7 43.9





#5

Vinyl chloride

Concen: 47.871 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.000 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

Instrument :

MSVOA_U

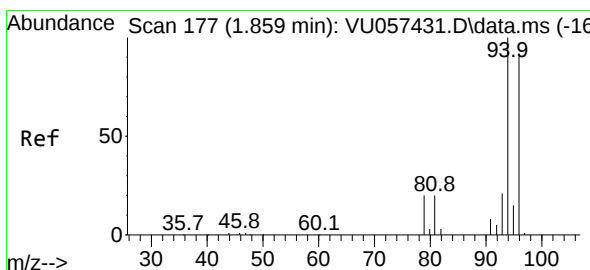
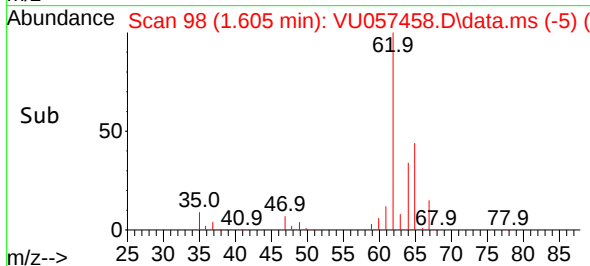
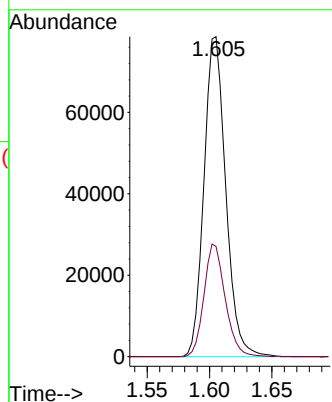
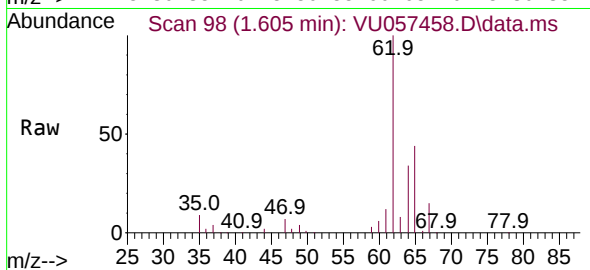
ClientSampleId :

Tgt Ion: 62 Resp: 95532

Ion Ratio Lower Upper

62 100

64 34.4 23.3 43.3



#6

Bromomethane

Concen: 46.837 ug/L

RT: 1.856 min Scan# 176

Delta R.T. -0.003 min

Lab File: VU057458.D

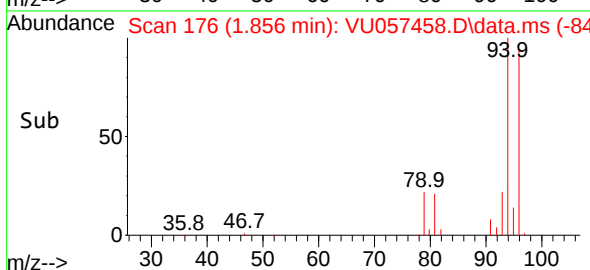
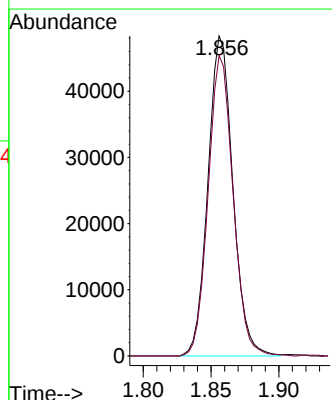
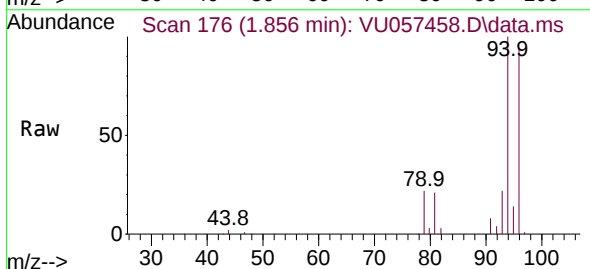
Acq: 09 Jan 2024 22:39

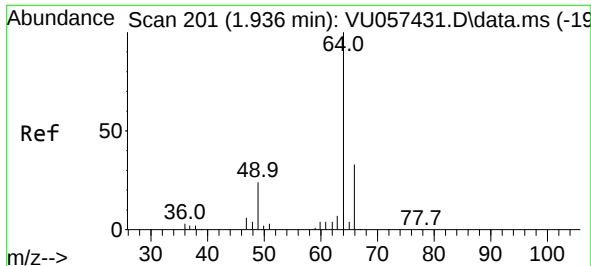
Tgt Ion: 94 Resp: 61865

Ion Ratio Lower Upper

94 100

96 93.9 65.9 122.5





#8

Chloroethane

Concen: 47.028 ug/L

RT: 1.930 min Scan# 199

Delta R.T. -0.006 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

Instrument :

MSVOA_U

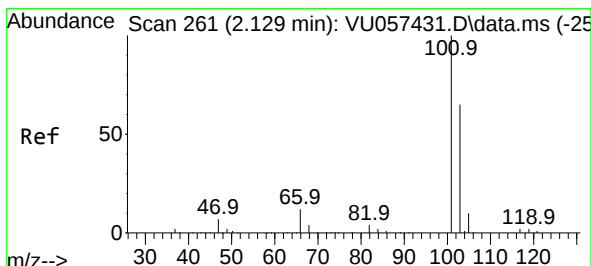
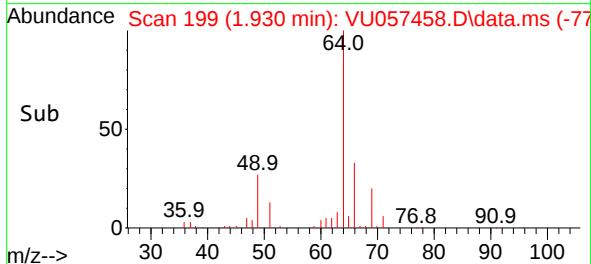
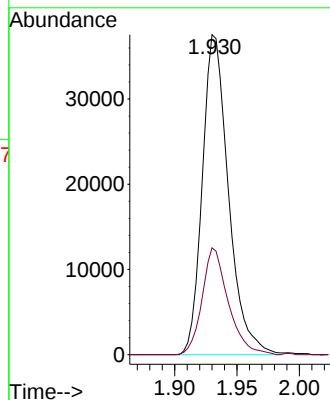
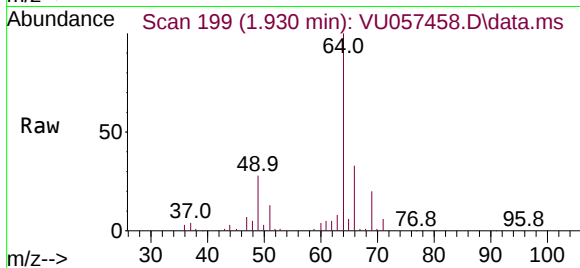
ClientSampleId :

Tgt Ion: 64 Resp: 54896

Ion Ratio Lower Upper

64 100

66 33.4 20.9 38.9



#9

Trichlorofluoromethane

Concen: 47.874 ug/L

RT: 2.129 min Scan# 261

Delta R.T. 0.000 min

Lab File: VU057458.D

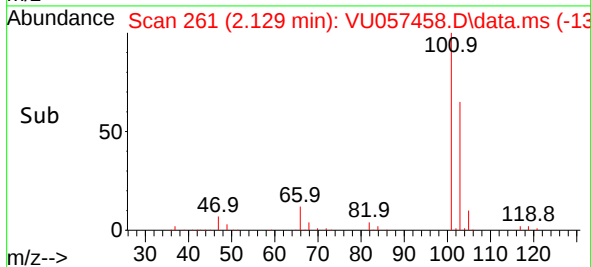
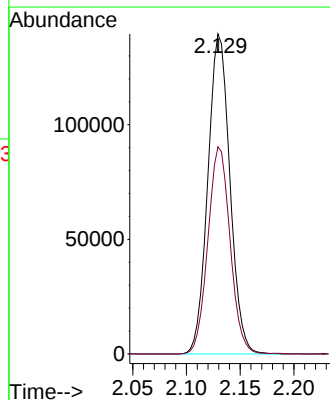
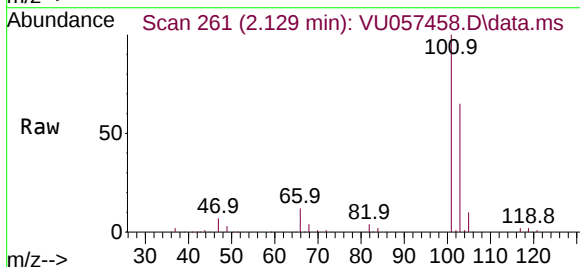
Acq: 09 Jan 2024 22:39

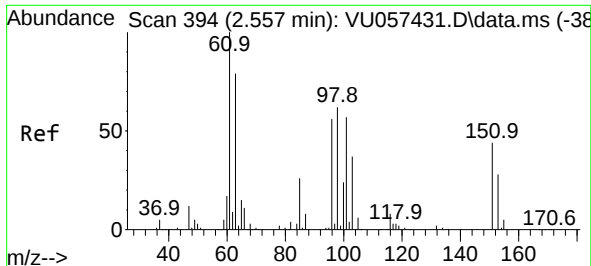
Tgt Ion:101 Resp: 199343

Ion Ratio Lower Upper

101 100

103 65.2 53.4 80.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 47.532 ug/L

RT: 2.573 min Scan# 394

Delta R.T. 0.016 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

Instrument :

MSVOA_U

ClientSampleId :

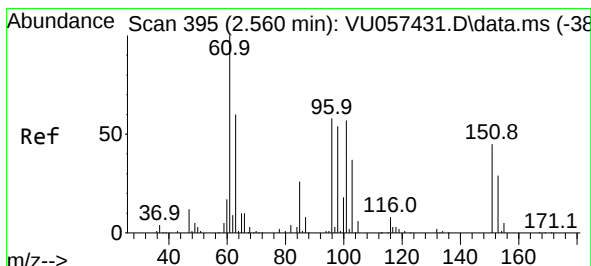
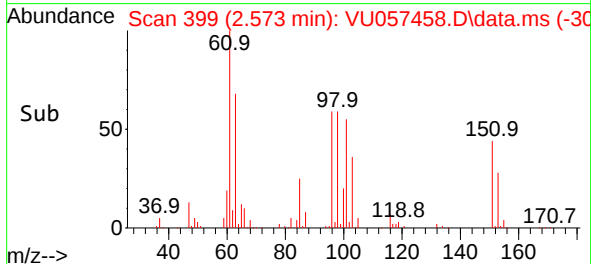
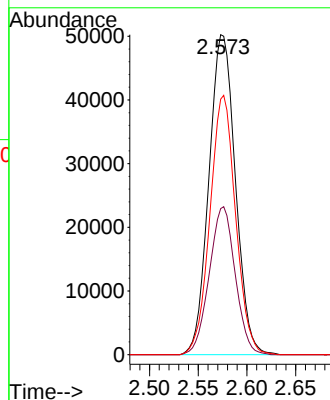
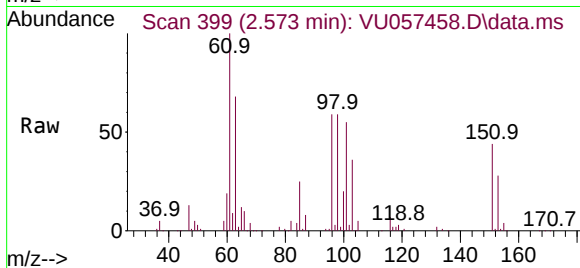
Tgt Ion:101 Resp: 95049

Ion Ratio Lower Upper

101 100

85 45.3 37.0 55.4

151 78.5 63.7 95.5



#12

1,1-Dichloroethene

Concen: 49.864 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.016 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

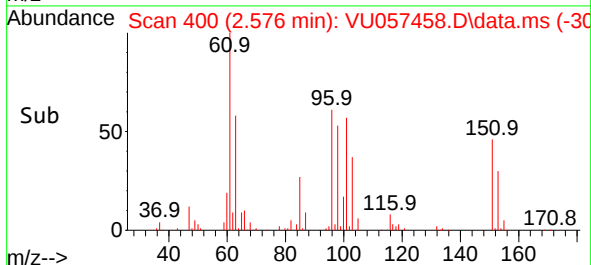
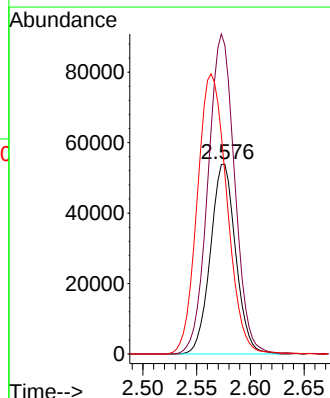
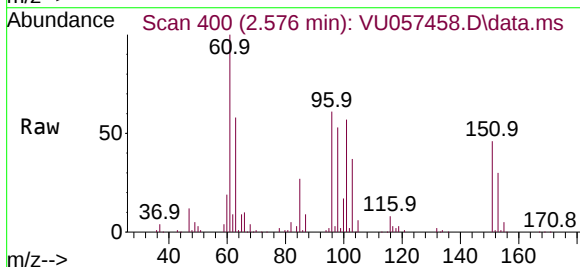
Tgt Ion: 96 Resp: 87983

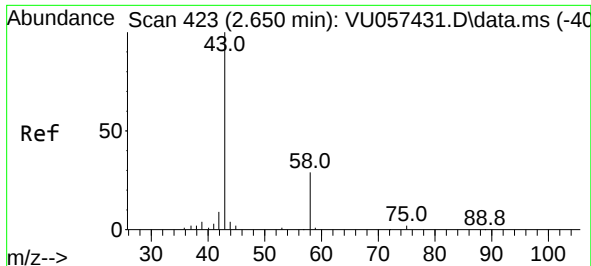
Ion Ratio Lower Upper

96 100

61 162.7 128.3 238.3

63 95.1 90.4 168.0





#13

Acetone

Concen: 178.662 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.013 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

Instrument :

MSVOA_U

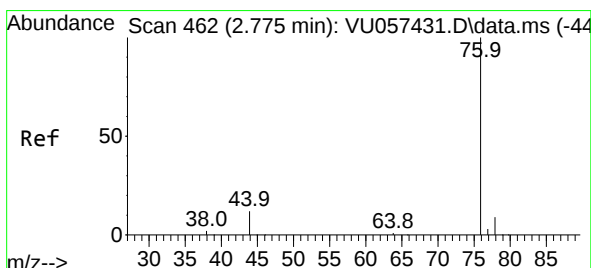
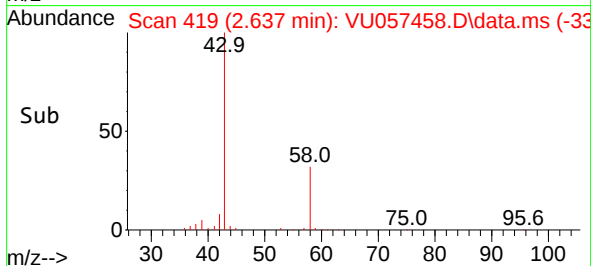
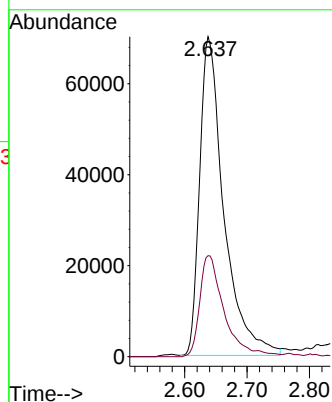
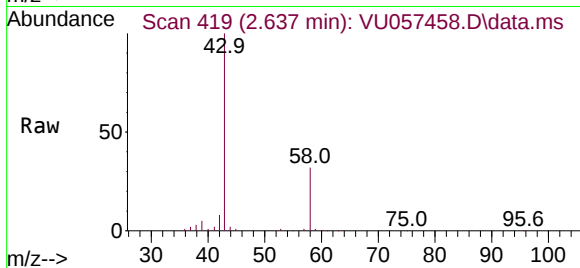
ClientSampleId :

Tgt Ion: 43 Resp: 188951

Ion Ratio Lower Upper

43 100

58 30.7 0.0 65.2



#14

Carbon disulfide

Concen: 47.674 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.010 min

Lab File: VU057458.D

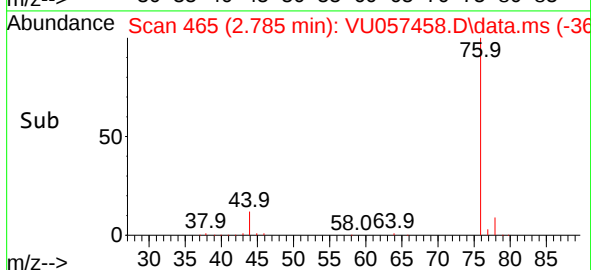
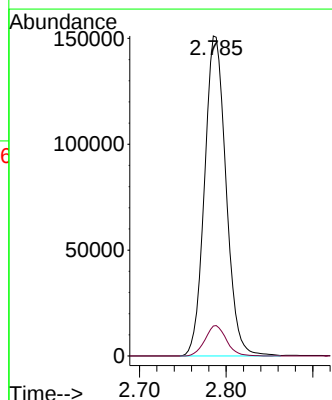
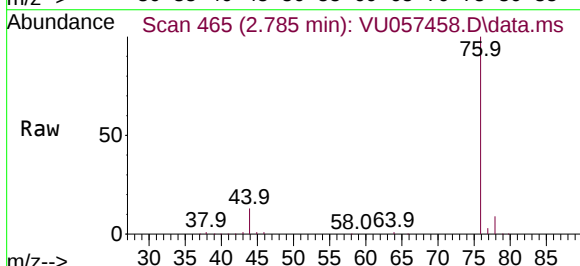
Acq: 09 Jan 2024 22:39

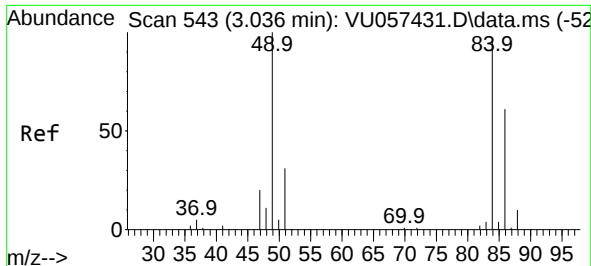
Tgt Ion: 76 Resp: 260543

Ion Ratio Lower Upper

76 100

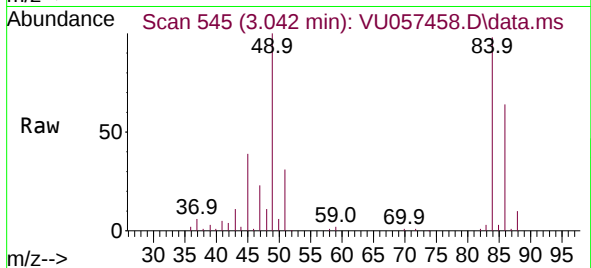
78 9.4 7.5 11.3



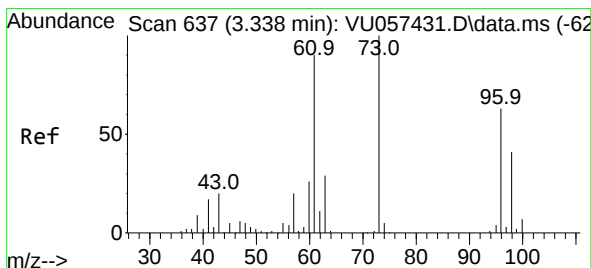
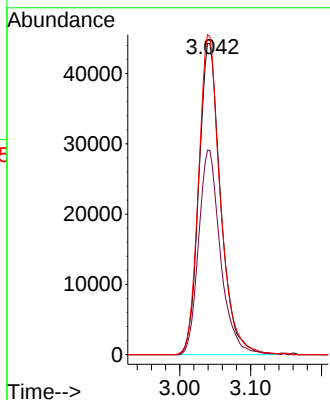
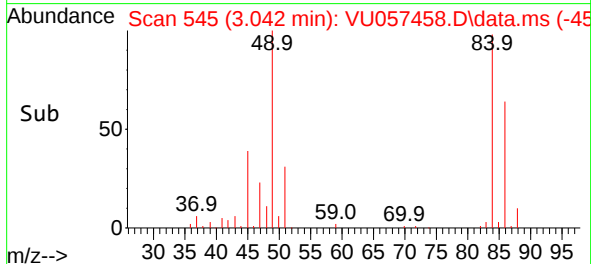


#16
Methylene chloride
Concen: 47.187 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.007 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

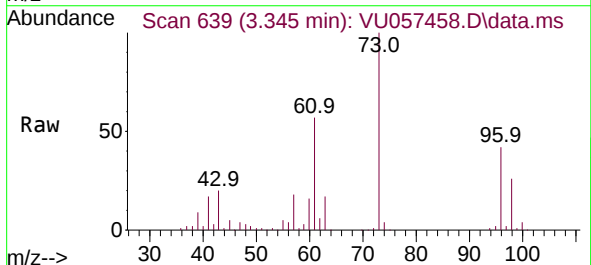
Instrument :
MSVOA_U
ClientSampleId :



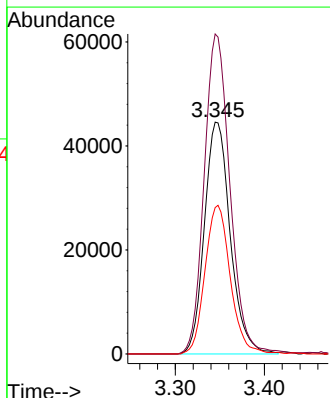
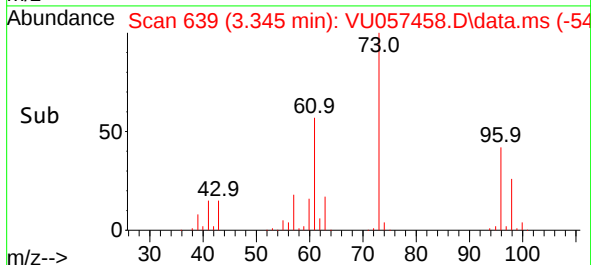
Tgt Ion: 84 Resp: 94664
Ion Ratio Lower Upper
84 100
86 65.7 44.3 82.3
49 102.2 72.2 134.2

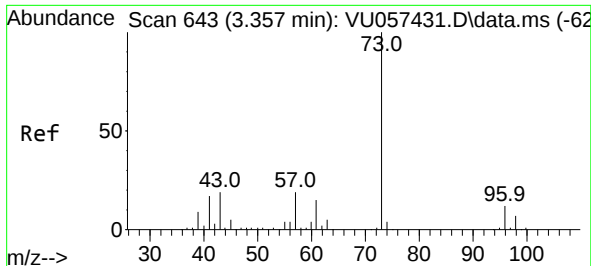


#17
trans-1,2-Dichloroethene
Concen: 49.875 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.007 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39



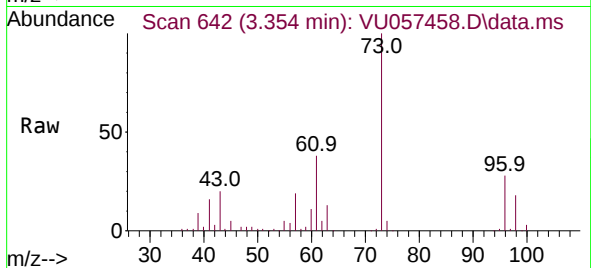
Tgt Ion: 96 Resp: 90029
Ion Ratio Lower Upper
96 100
61 138.0 93.9 174.5
98 63.1 44.8 83.2



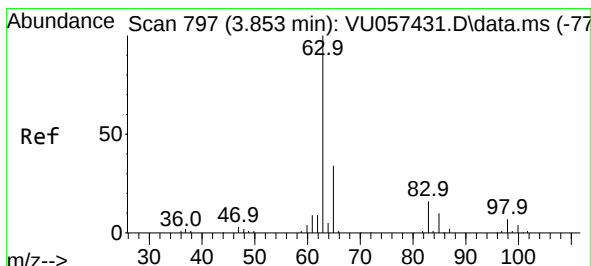
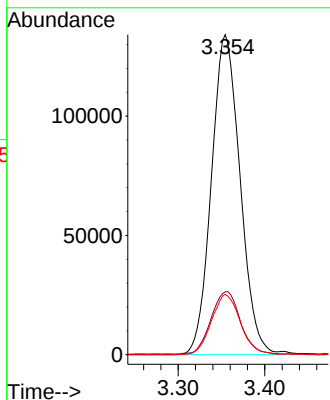
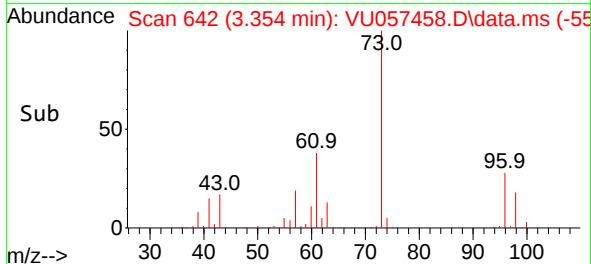


#18
Methyl tert-butyl Ether
Concen: 53.326 ug/L
RT: 3.354 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

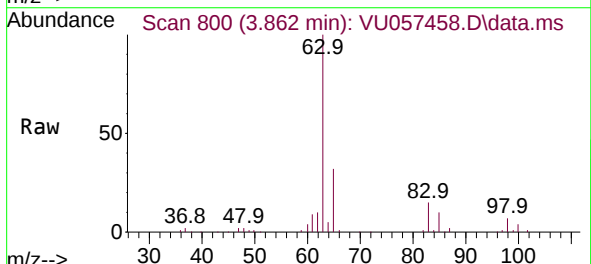
Instrument :
MSVOA_U
ClientSampleId :



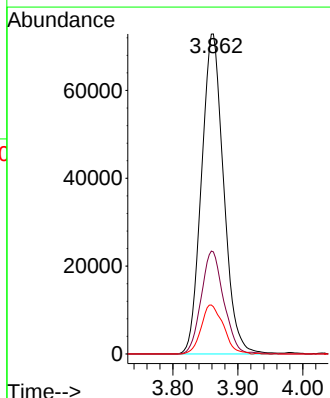
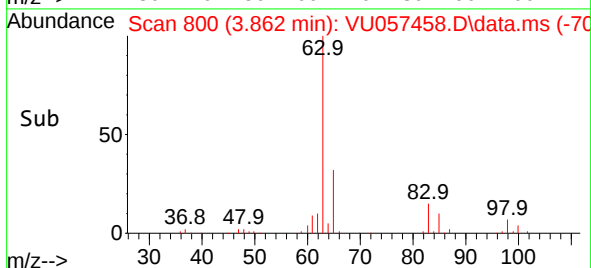
Tgt Ion: 73 Resp: 308114
Ion Ratio Lower Upper
73 100
43 19.9 16.3 24.5
57 19.0 15.0 22.6

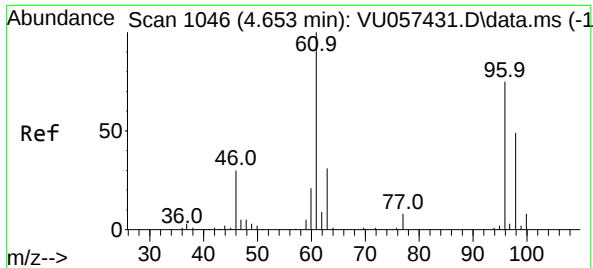


#19
1,1-Dichloroethane
Concen: 51.664 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.010 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39



Tgt Ion: 63 Resp: 172652
Ion Ratio Lower Upper
63 100
65 31.9 22.4 41.6
83 14.8 11.3 21.1

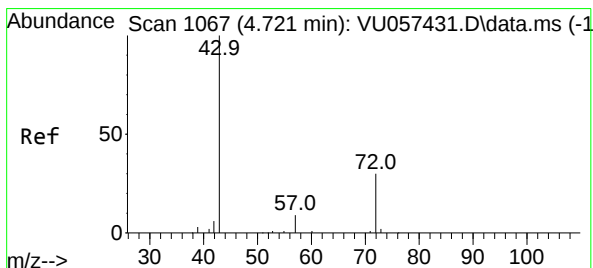
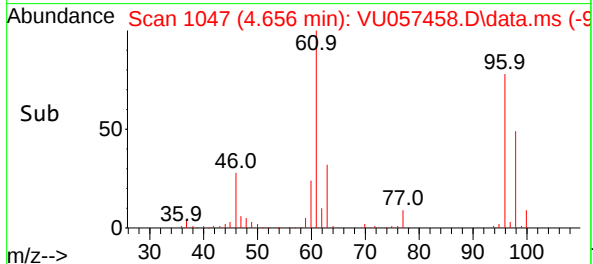
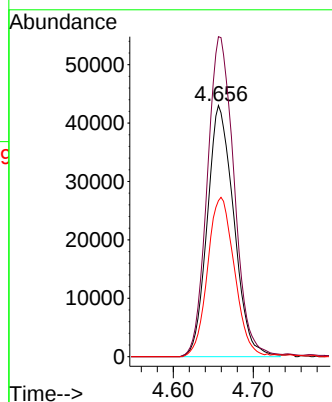
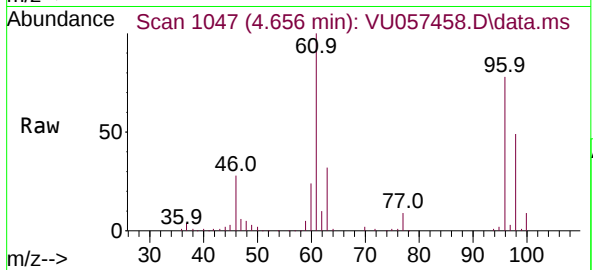




#20
cis-1,2-Dichloroethene
Concen: 51.414 ug/L
RT: 4.656 min Scan# 1046
Delta R.T. 0.003 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

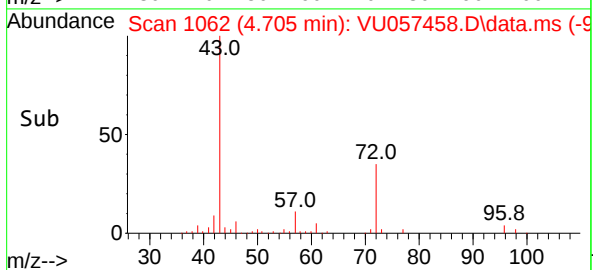
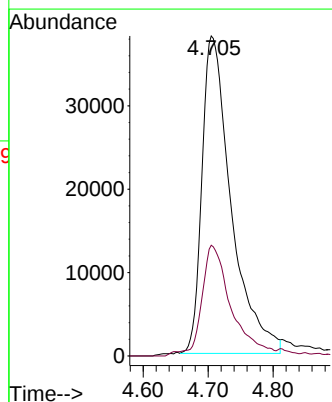
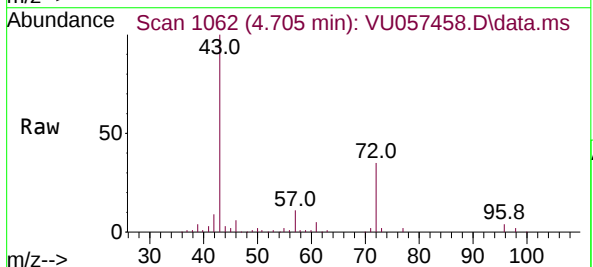
Instrument :
MSVOA_U
ClientSampleId :

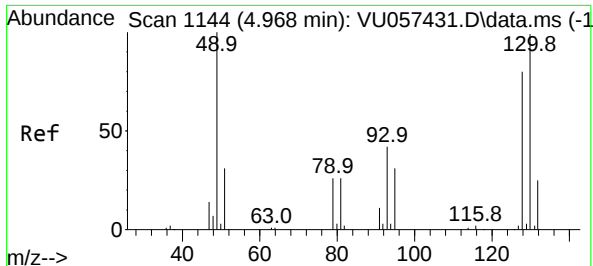
Tgt Ion: 96 Resp: 99277
Ion Ratio Lower Upper
96 100
61 127.4 88.0 163.4
98 62.1 43.4 80.6



#22
2-Butanone
Concen: 114.293 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. -0.016 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Tgt Ion: 43 Resp: 119102
Ion Ratio Lower Upper
43 100
72 34.2 15.2 45.6





#23

Bromochloromethane

Concen: 48.741 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.003 min

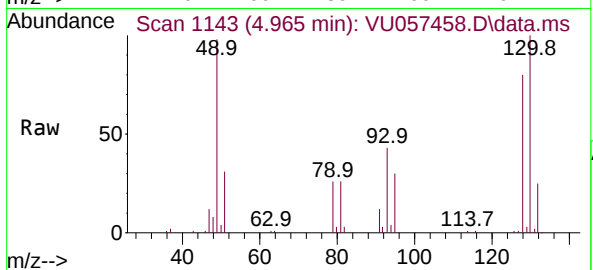
Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 54025

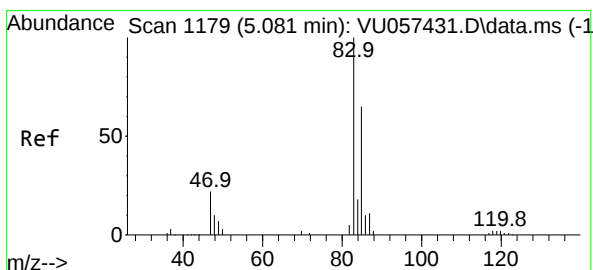
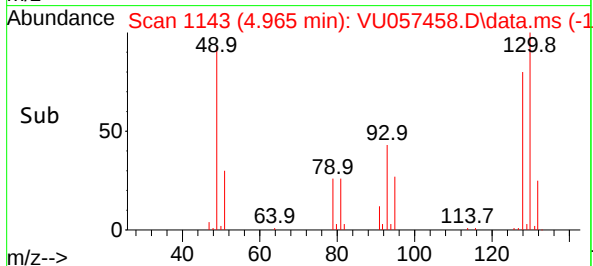
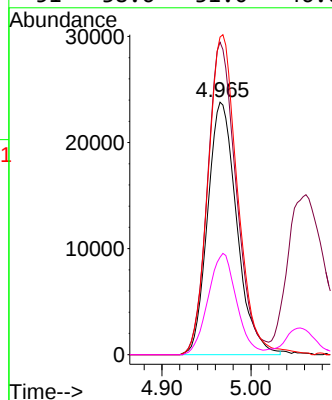
Ion Ratio Lower Upper

128 100

49 123.8 83.4 154.8

130 125.7 87.6 162.6

51 38.6 31.0 46.6



#25

Chloroform

Concen: 48.656 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU057458.D

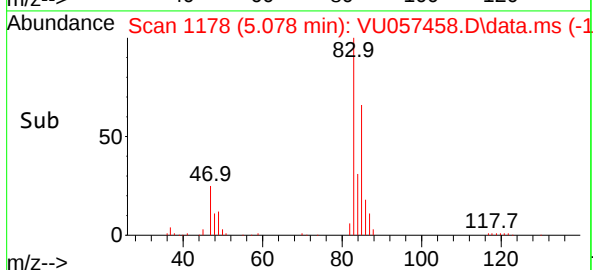
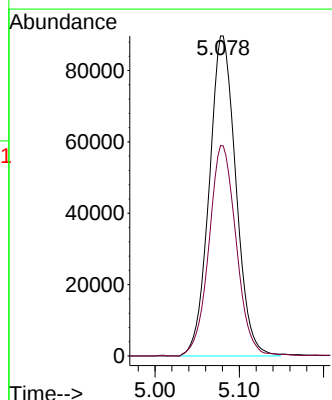
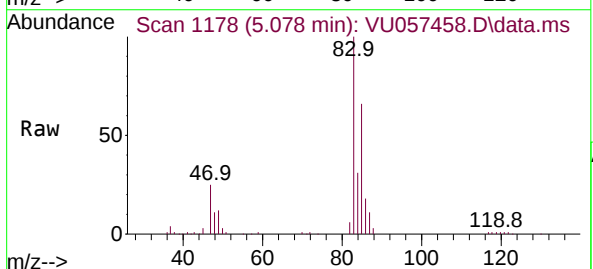
Acq: 09 Jan 2024 22:39

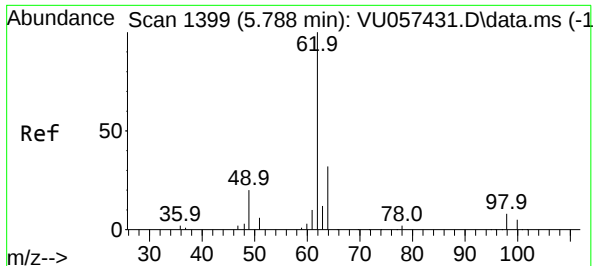
Tgt Ion: 83 Resp: 197333

Ion Ratio Lower Upper

83 100

85 65.8 45.5 84.5





#27

1,2-Dichloroethane

Concen: 50.047 ug/L

RT: 5.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

Instrument :

MSVOA_U

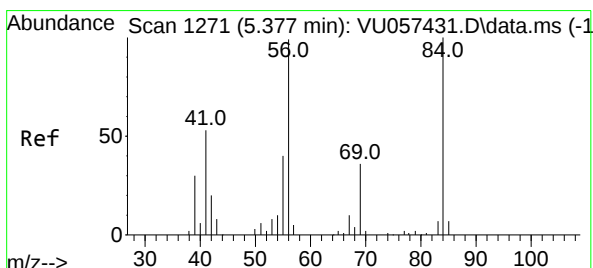
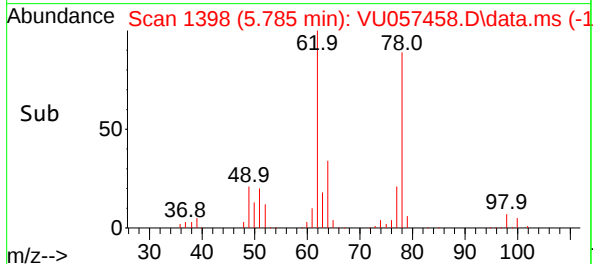
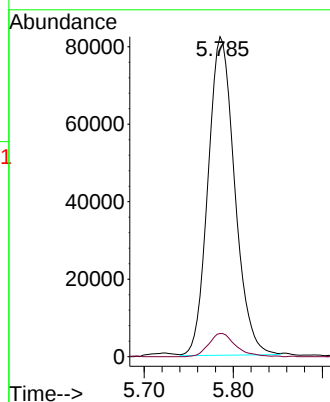
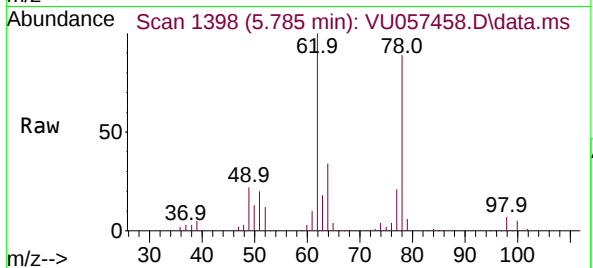
ClientSampleId :

Tgt Ion: 62 Resp: 170977

Ion Ratio Lower Upper

62 100

98 7.3 6.1 9.1



#29

Cyclohexane

Concen: 33.765 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.007 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

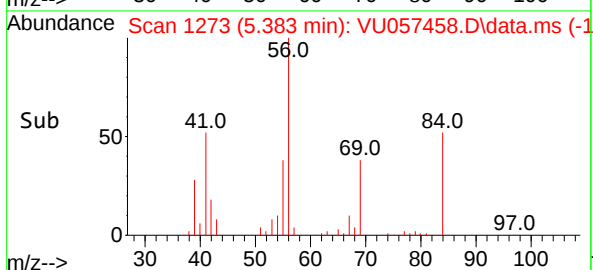
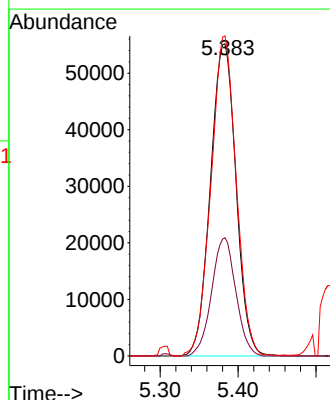
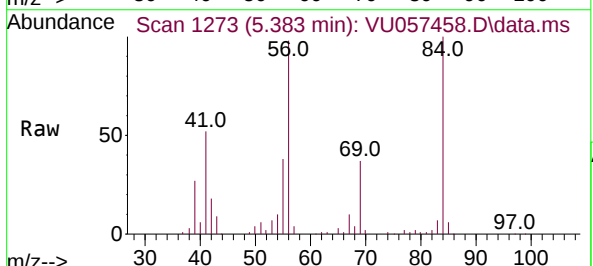
Tgt Ion: 56 Resp: 125785

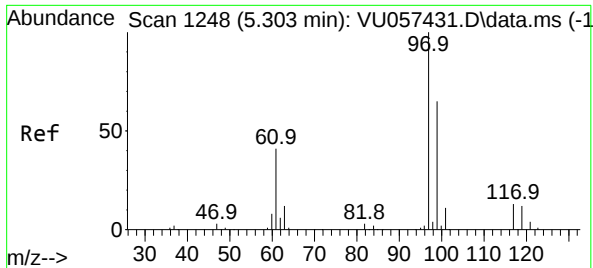
Ion Ratio Lower Upper

56 100

69 35.9 27.8 41.8

84 101.0 79.3 118.9

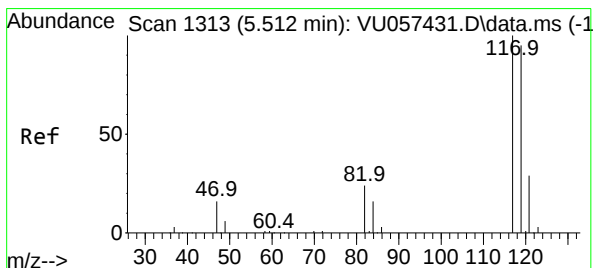
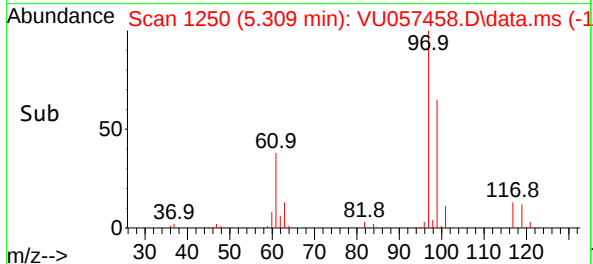
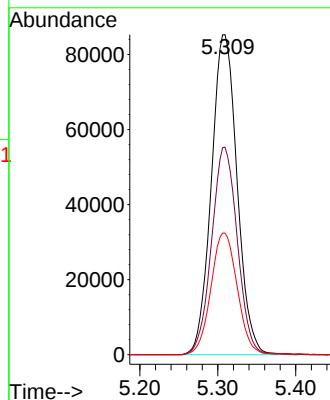
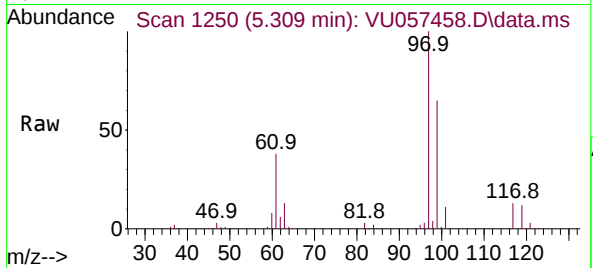




#30
1,1,1-Trichloroethane
Concen: 32.348 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

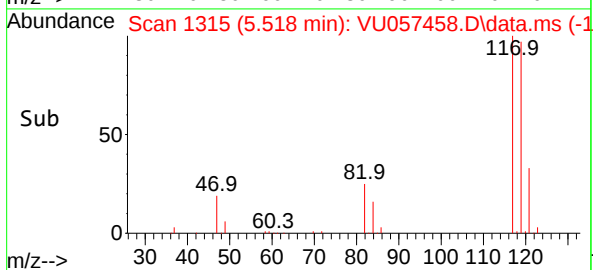
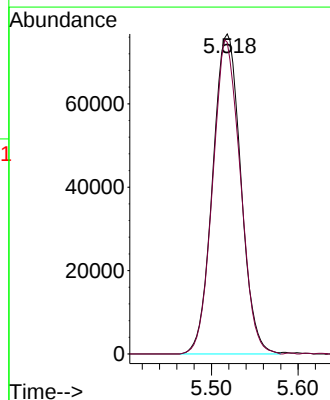
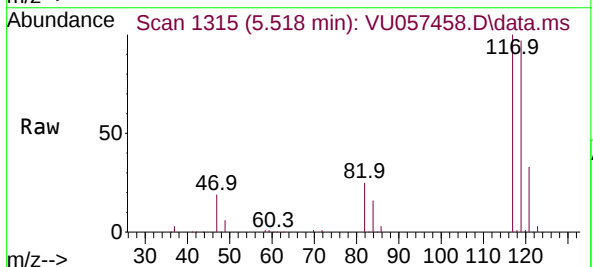
Instrument :
MSVOA_U
ClientSampleId :

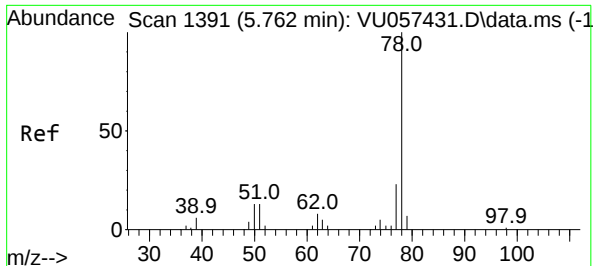
Tgt Ion: 97 Resp: 195971
Ion Ratio Lower Upper
97 100
99 64.8 52.1 78.1
61 38.8 31.9 47.9



#31
Carbon tetrachloride
Concen: 32.211 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.007 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Tgt Ion: 117 Resp: 173073
Ion Ratio Lower Upper
117 100
119 96.4 76.5 114.7

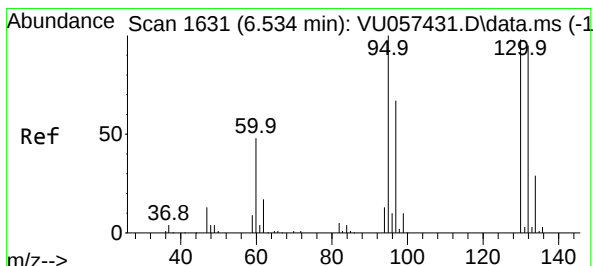
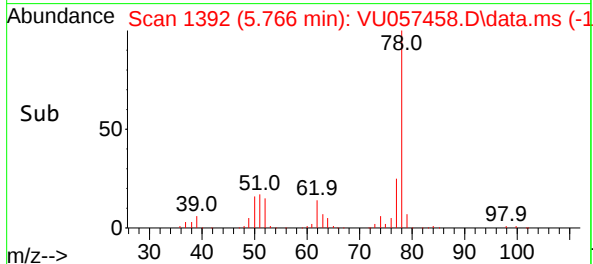
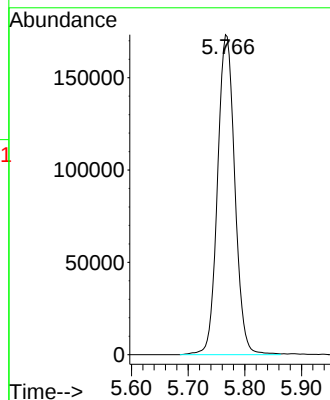
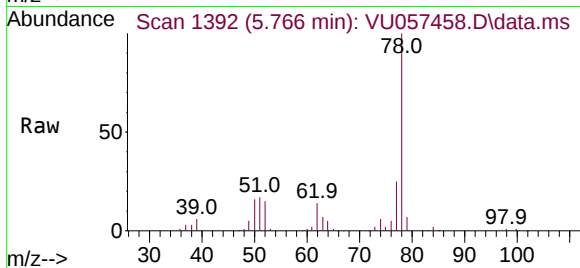




#33
Benzene
Concen: 33.206 ug/L
RT: 5.766 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Instrument :
MSVOA_U
ClientSampleId :

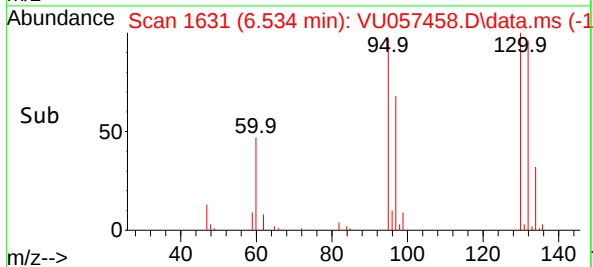
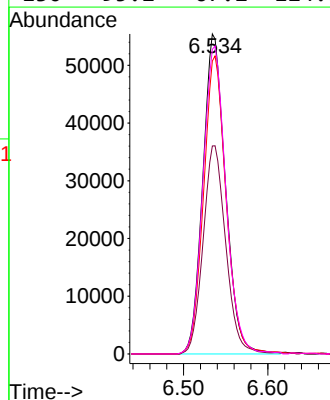
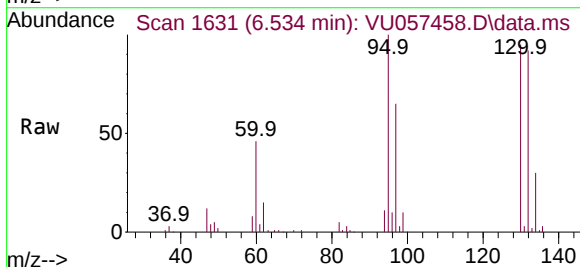
Tgt Ion: 78 Resp: 367439

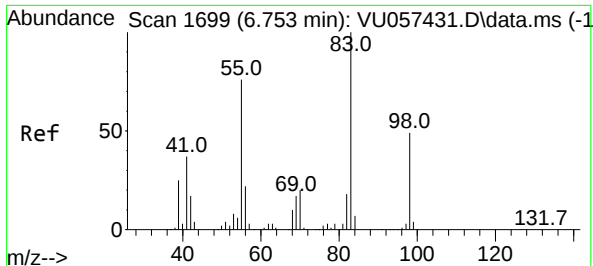


#34
Trichloroethene
Concen: 32.141 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Tgt Ion: 95 Resp: 103836

Ion	Ratio	Lower	Upper
95	100		
97	65.0	46.2	85.8
132	91.6	64.3	119.5
130	95.2	67.2	124.8

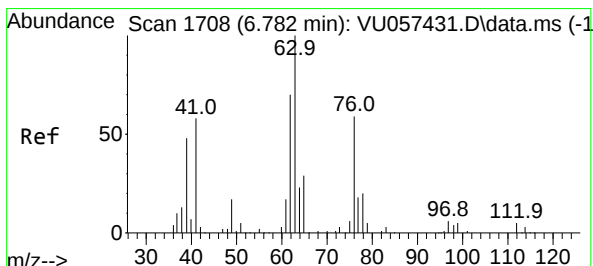
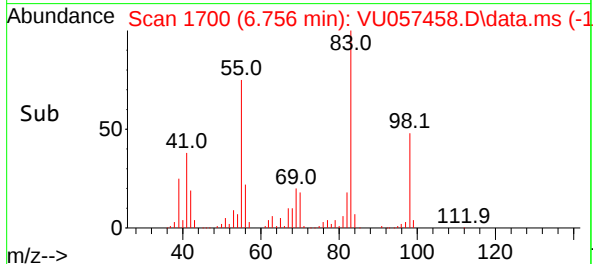
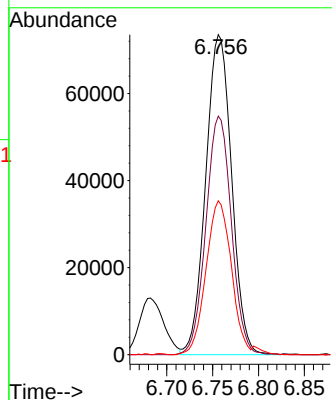
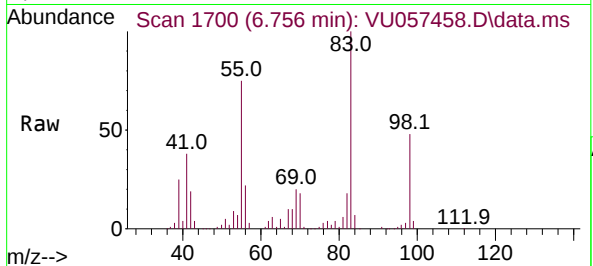




#35
Methylcyclohexane
Concen: 32.903 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.003 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

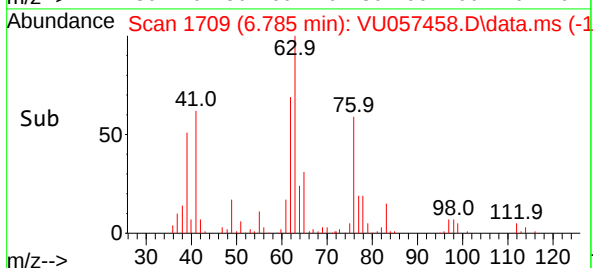
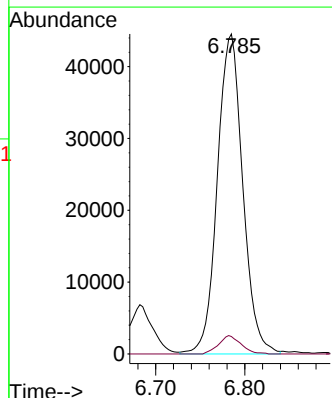
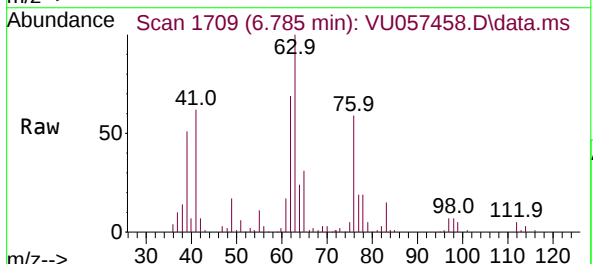
Instrument :
MSVOA_U
ClientSampleId :

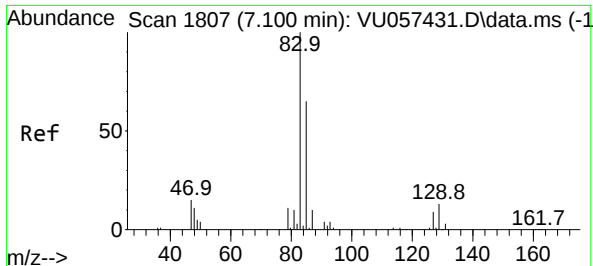
Tgt Ion: 83 Resp: 144621
Ion Ratio Lower Upper
83 100
55 73.3 58.0 87.0
98 46.9 36.6 55.0



#37
1,2-Dichloropropane
Concen: 32.389 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.003 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Tgt Ion: 63 Resp: 88443
Ion Ratio Lower Upper
63 100
112 5.0 3.8 5.8

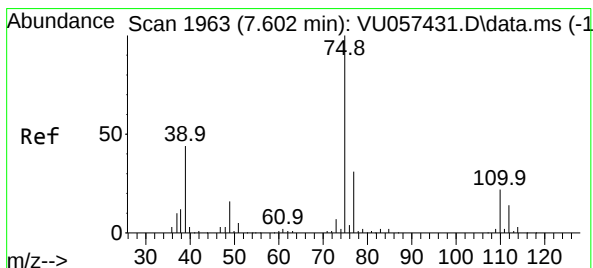
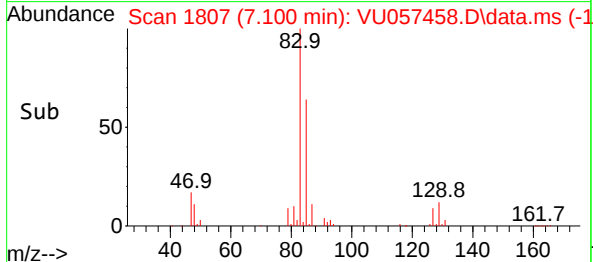
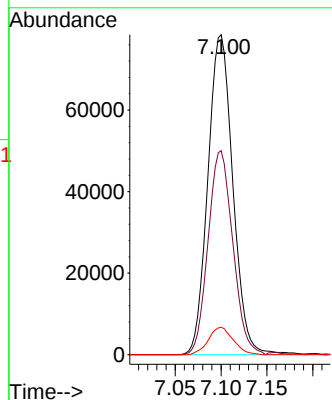
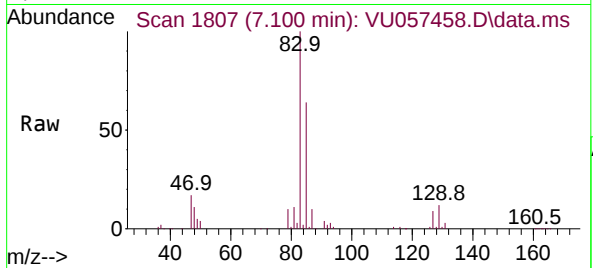




#38
Bromodichloromethane
Concen: 32.127 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

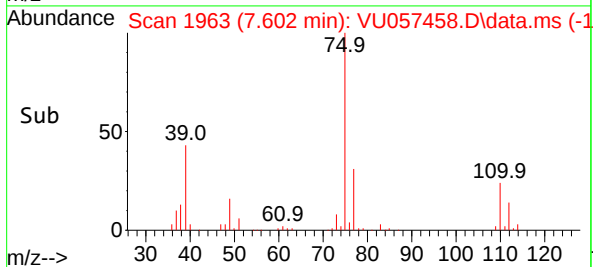
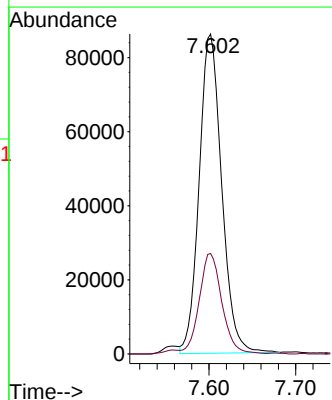
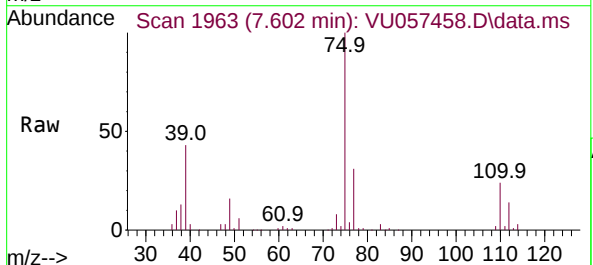
Instrument :
MSVOA_U
ClientSampleId :

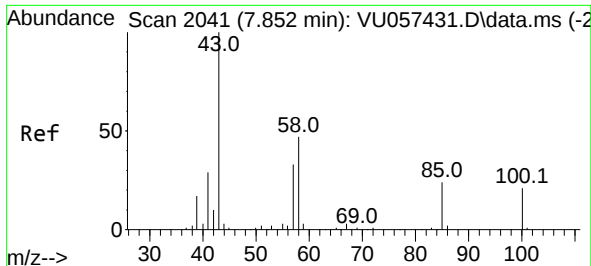
Tgt Ion: 83 Resp: 148610
Ion Ratio Lower Upper
83 100
85 63.7 44.7 83.1
127 8.6 7.7 11.5



#39
cis-1,3-Dichloropropene
Concen: 32.537 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Tgt Ion: 75 Resp: 155577
Ion Ratio Lower Upper
75 100
77 31.4 22.2 41.2





#40

4-Methyl-2-pentanone

Concen: 73.106 ug/L

RT: 7.791 min Scan# 2041

Delta R.T. -0.061 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

Instrument :

MSVOA_U

ClientSampleId :

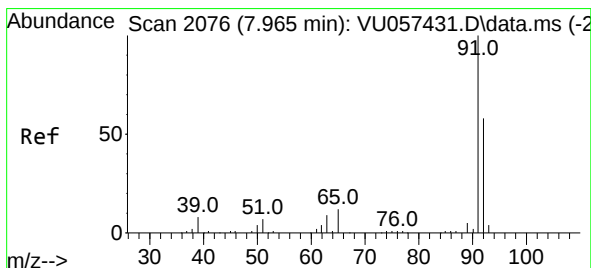
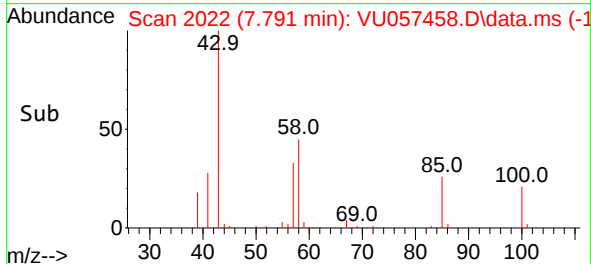
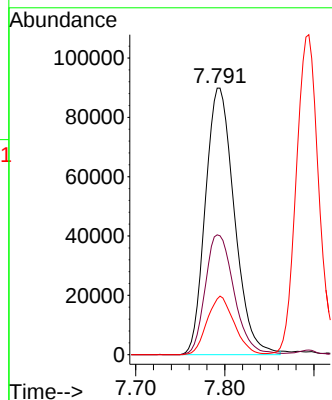
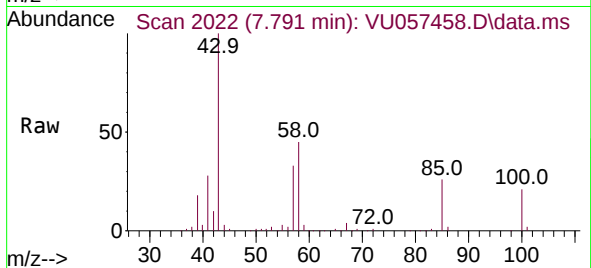
Tgt Ion: 43 Resp: 203401

Ion Ratio Lower Upper

43 100

58 44.7 36.2 54.4

100 20.4 16.6 24.8



#42

Toluene

Concen: 33.577 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU057458.D

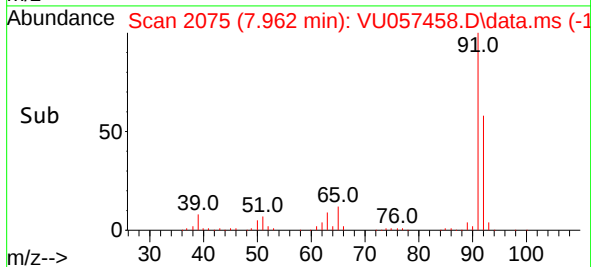
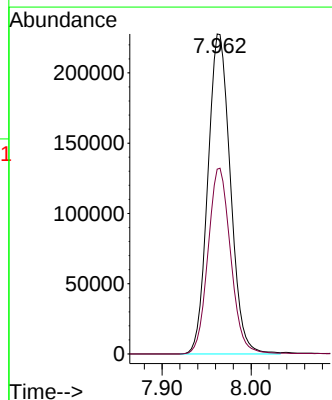
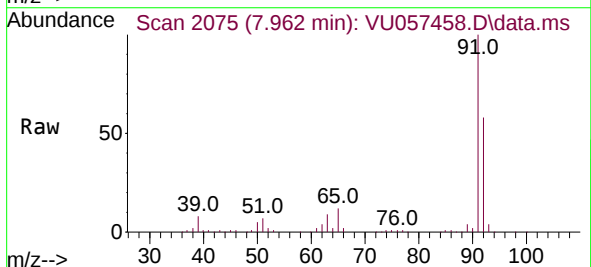
Acq: 09 Jan 2024 22:39

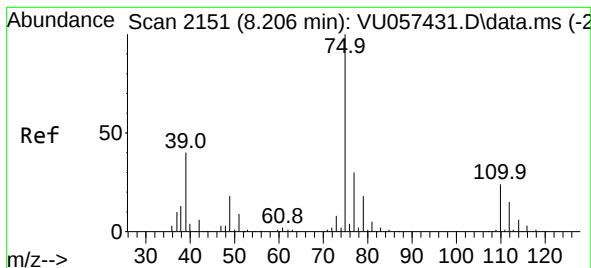
Tgt Ion: 91 Resp: 399524

Ion Ratio Lower Upper

91 100

92 57.8 40.3 74.9





#44

trans-1,3-Dichloropropene

Concen: 32.899 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

Instrument :

MSVOA_U

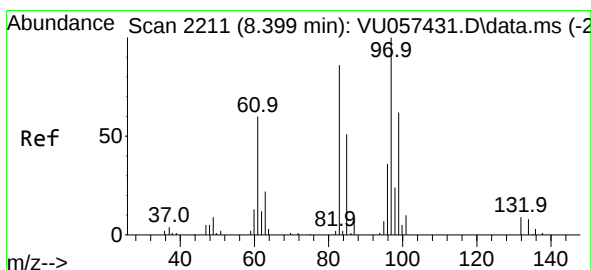
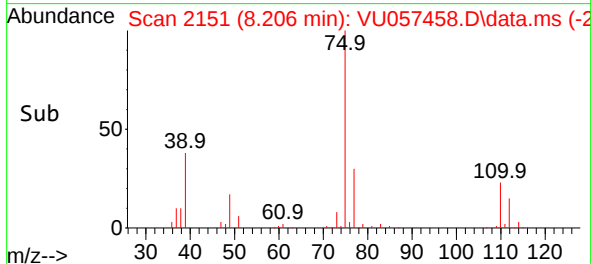
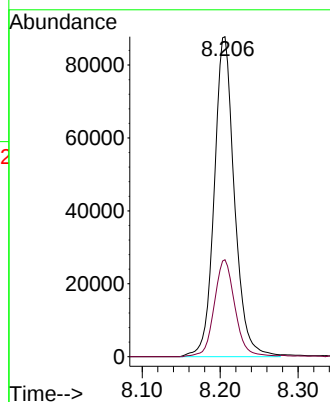
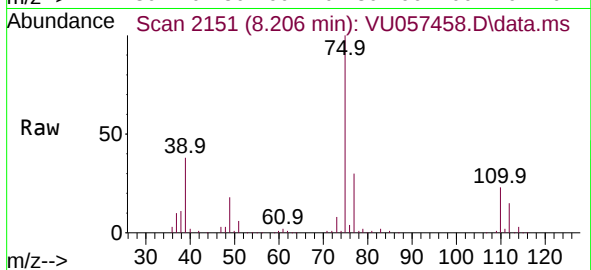
ClientSampleId :

Tgt Ion: 75 Resp: 157930

Ion Ratio Lower Upper

75 100

77 30.3 21.3 39.5



#45

1,1,2-Trichloroethane

Concen: 33.299 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. -0.003 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

Tgt Ion: 97 Resp: 100047

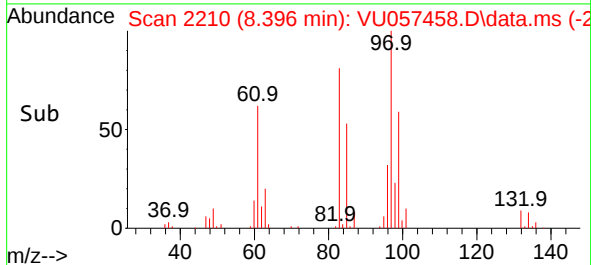
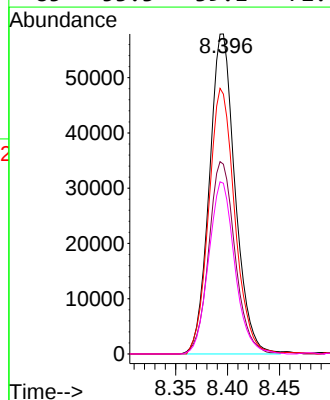
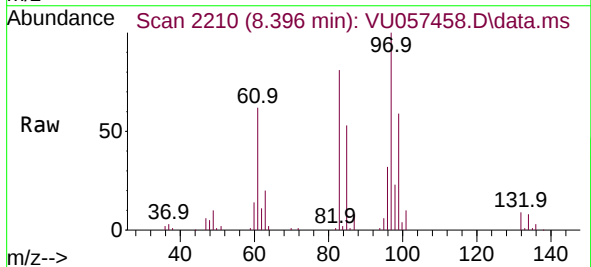
Ion Ratio Lower Upper

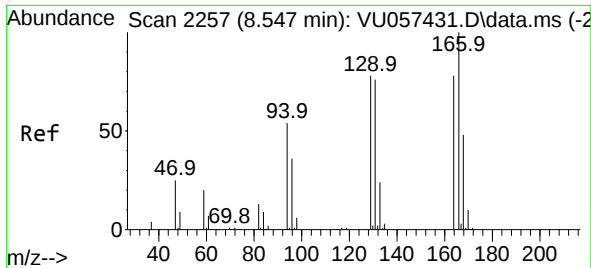
97 100

99 59.3 43.3 80.5

83 81.2 56.9 105.7

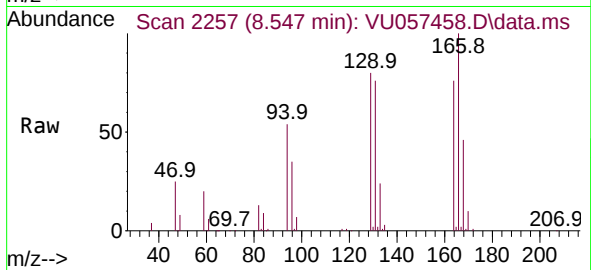
85 53.3 39.1 72.7



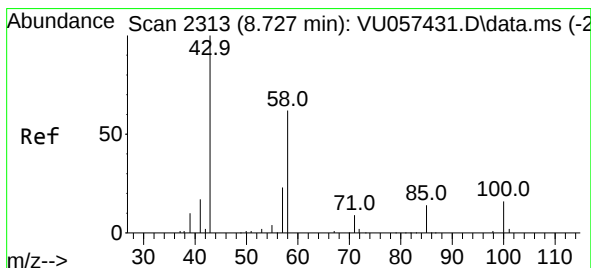
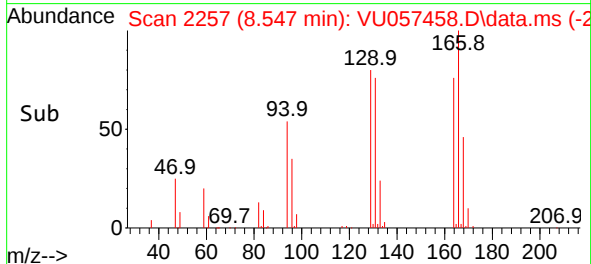
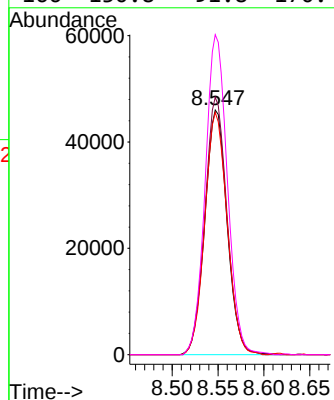


#46
Tetrachloroethene
Concen: 31.999 ug/L
RT: 8.547 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Instrument :
MSVOA_U
ClientSampleId :

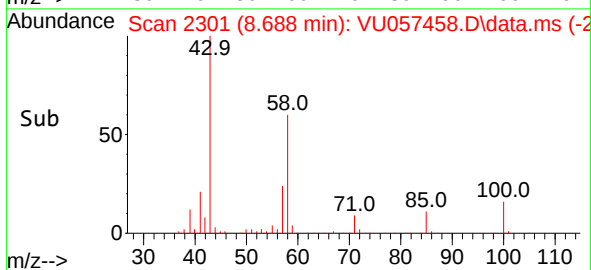
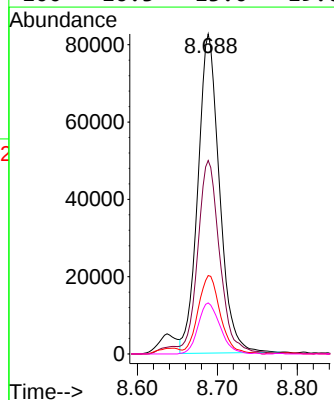
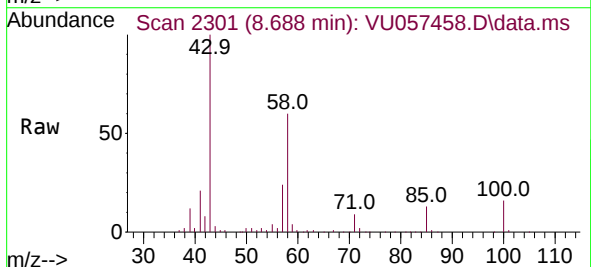


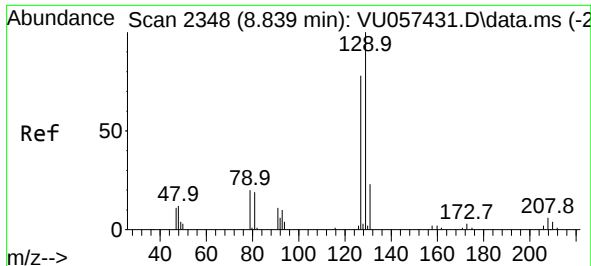
Tgt Ion:164 Resp: 78198
Ion Ratio Lower Upper
164 100
129 105.3 72.3 134.3
131 99.0 68.8 127.8
166 130.8 91.8 170.4



#48
2-Hexanone
Concen: 69.371 ug/L
RT: 8.688 min Scan# 2301
Delta R.T. -0.038 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

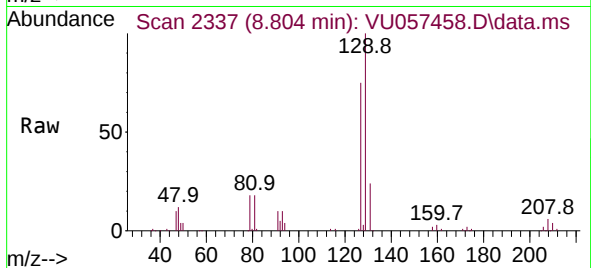
Tgt Ion: 43 Resp: 155282
Ion Ratio Lower Upper
43 100
58 61.8 49.4 74.2
57 24.4 19.1 28.7
100 16.3 13.0 19.6



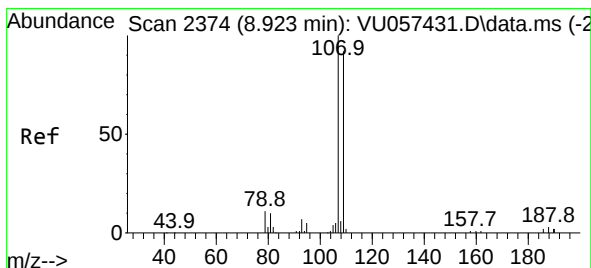
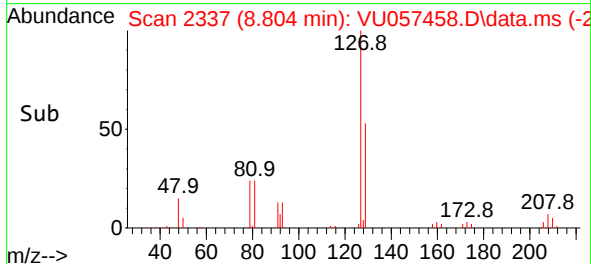
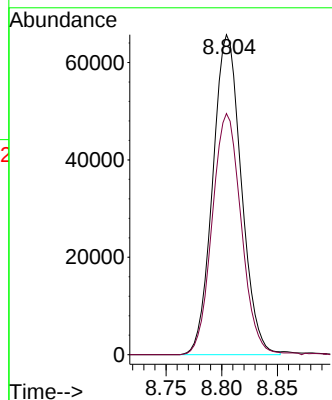


#49
Dibromochloromethane
Concen: 32.036 ug/L
RT: 8.804 min Scan# 21
Delta R.T. -0.035 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Instrument :
MSVOA_U
ClientSampleId :

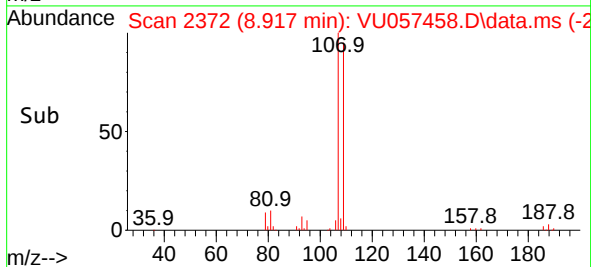
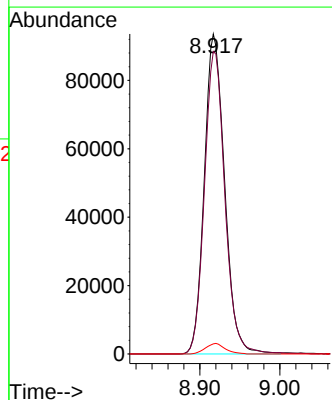
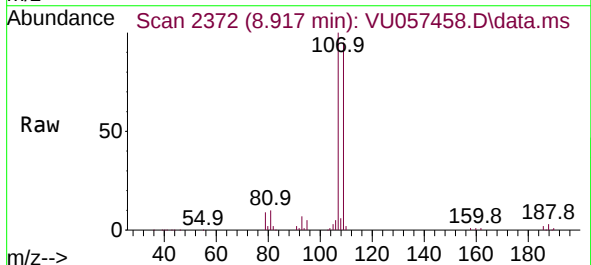


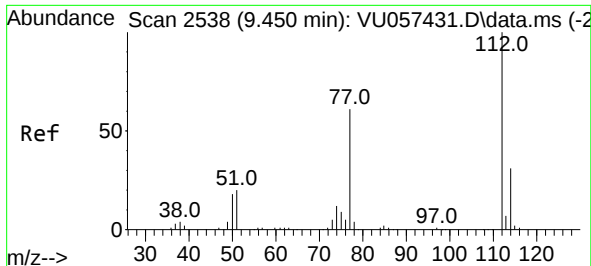
Tgt Ion:129 Resp: 117299
Ion Ratio Lower Upper
129 100
127 75.3 54.5 101.1



#50
1,2-Dibromoethane
Concen: 51.853 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.006 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Tgt Ion:107 Resp: 165255
Ion Ratio Lower Upper
107 100
109 94.6 64.4 119.6
188 3.2 2.8 4.2

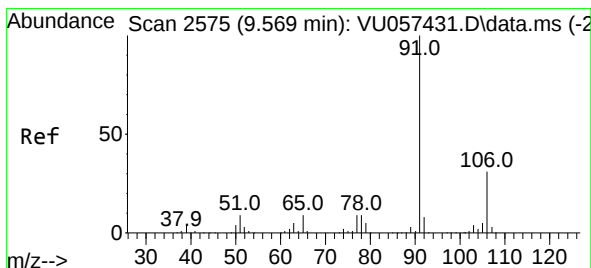
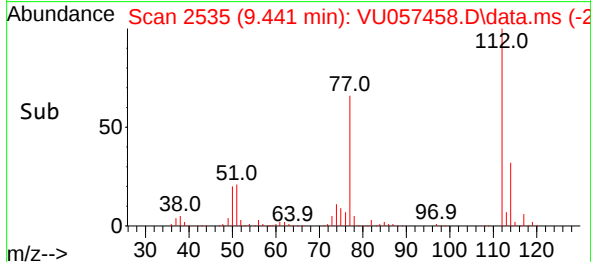
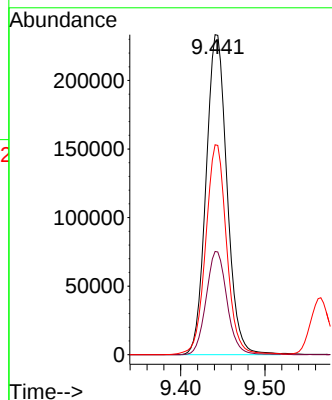
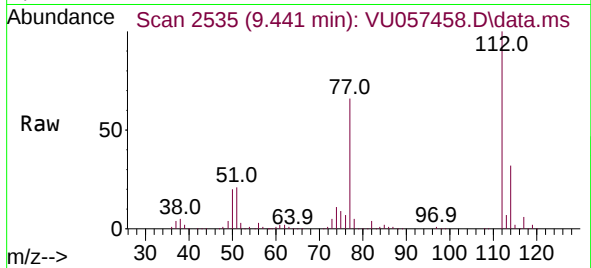




#51
Chlorobenzene
Concen: 50.592 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.009 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

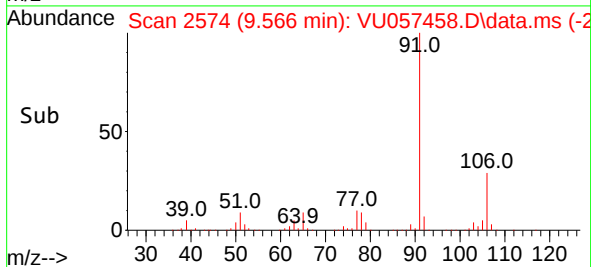
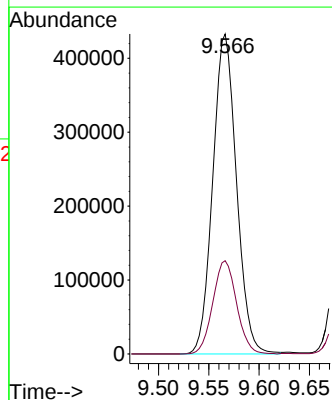
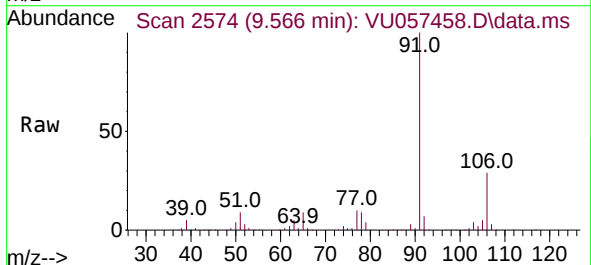
Instrument :
MSVOA_U
ClientSampleId :

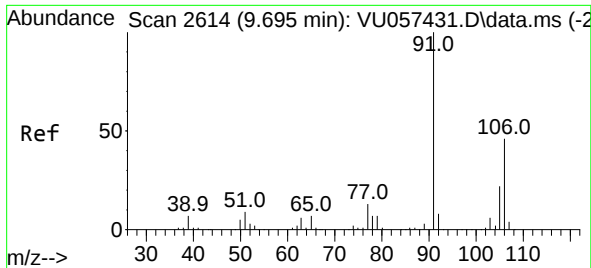
Tgt Ion:112 Resp: 404481
Ion Ratio Lower Upper
112 100
114 32.3 22.5 41.7
77 65.6 50.1 75.1



#52
Ethylbenzene
Concen: 53.576 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.003 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Tgt Ion: 91 Resp: 709872
Ion Ratio Lower Upper
91 100
106 29.2 21.0 39.0

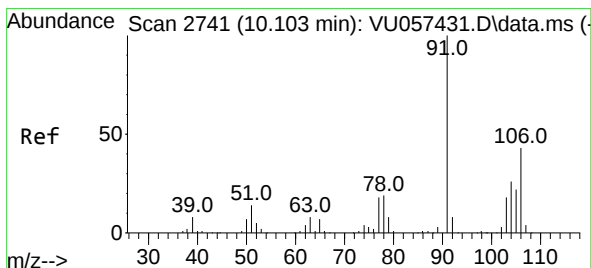
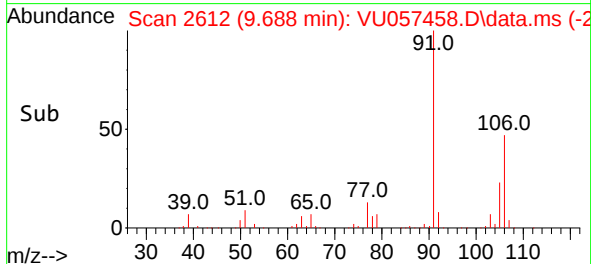
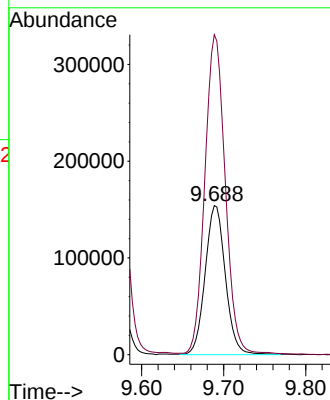
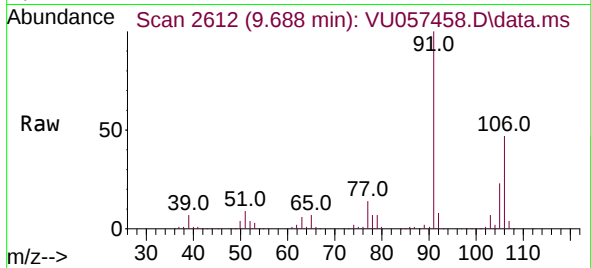




#53
m,p-Xylene
Concen: 53.331 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.006 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

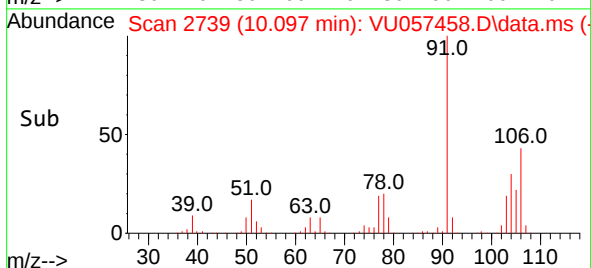
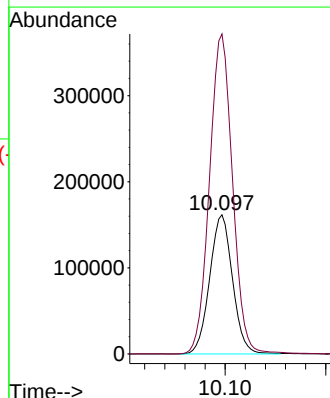
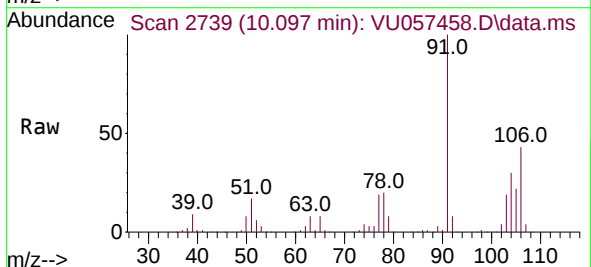
Instrument :
MSVOA_U
ClientSampleId :

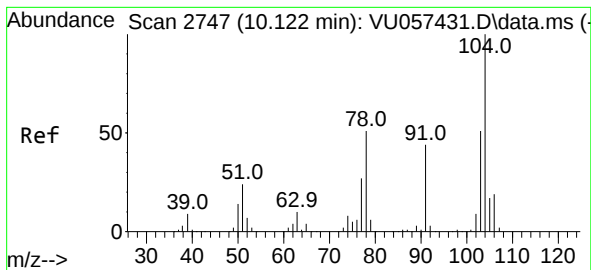
Tgt Ion:106 Resp: 264150
Ion Ratio Lower Upper
106 100
91 214.5 151.8 281.8



#54
o-Xylene
Concen: 52.724 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.006 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Tgt Ion:106 Resp: 255029
Ion Ratio Lower Upper
106 100
91 230.0 160.4 297.8





#55

Styrene

Concen: 53.757 ug/L

RT: 10.110 min Scan# 21

Delta R.T. -0.013 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

Instrument :

MSVOA_U

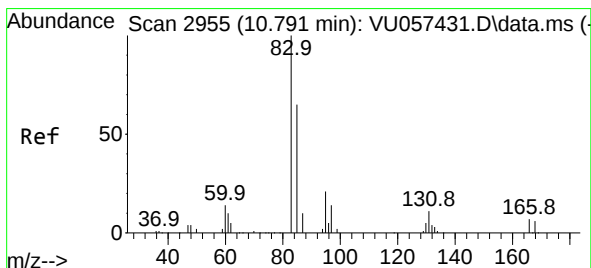
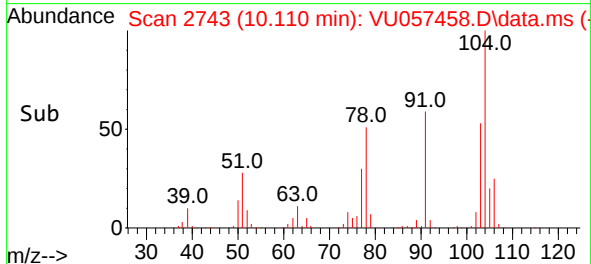
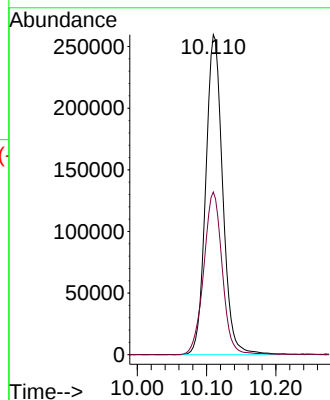
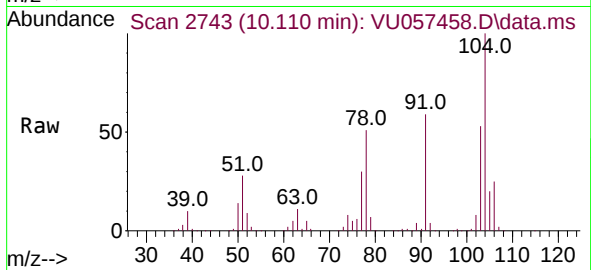
ClientSampleId :

Tgt Ion:104 Resp: 440322

Ion Ratio Lower Upper

104 100

78 50.9 35.8 66.6



#57

1,1,2,2-Tetrachloroethane

Concen: 44.539 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.013 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

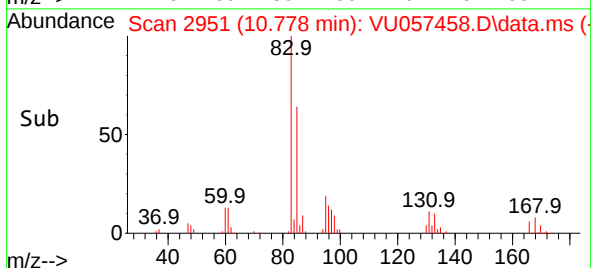
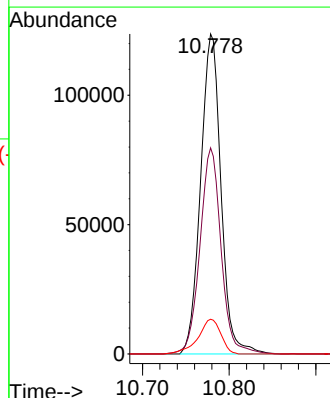
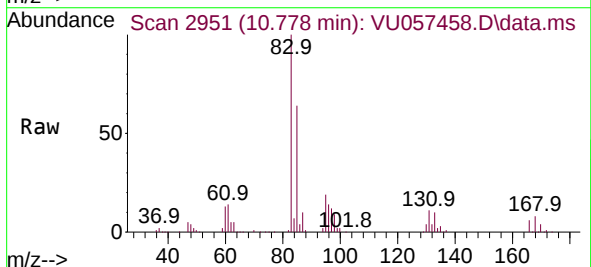
Tgt Ion: 83 Resp: 201781

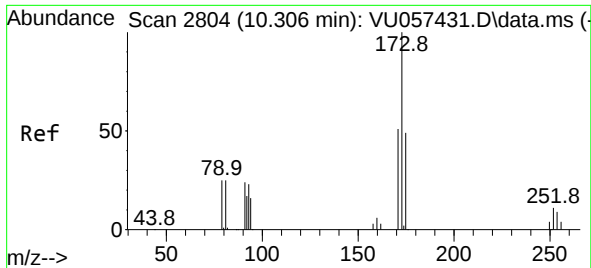
Ion Ratio Lower Upper

83 100

85 64.4 47.9 88.9

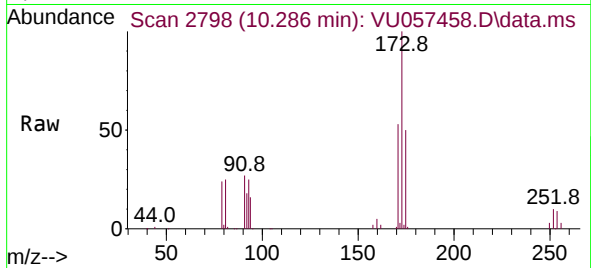
131 10.9 9.8 14.8



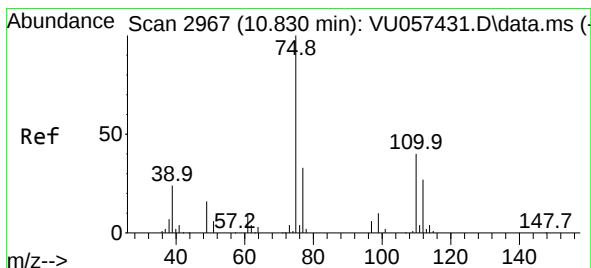
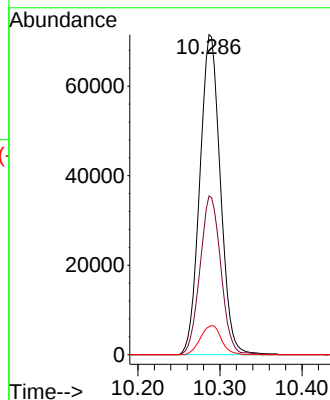
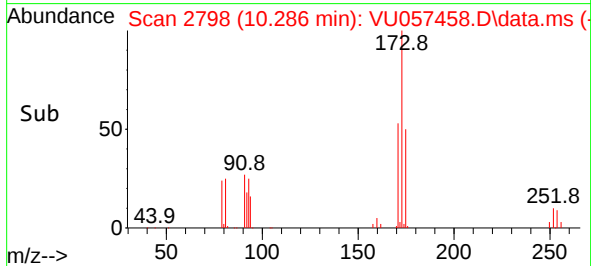


#59
Bromoform
Concen: 68.835 ug/L
RT: 10.286 min Scan# 21
Delta R.T. -0.019 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Instrument :
MSVOA_U
ClientSampleId :

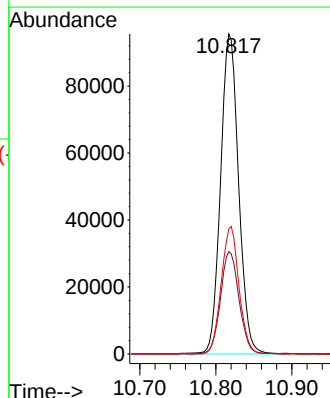
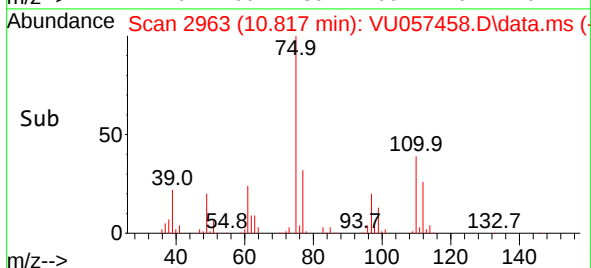
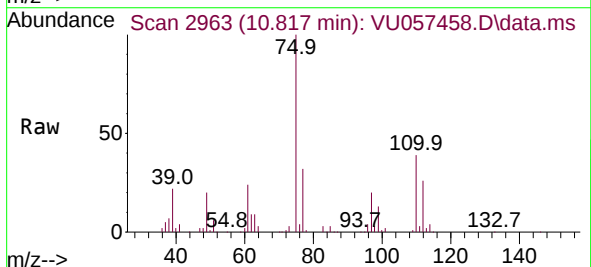


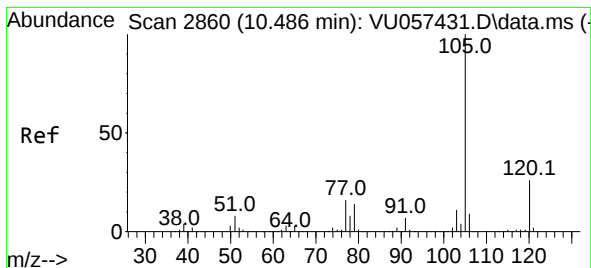
Tgt Ion:173 Resp: 124200
Ion Ratio Lower Upper
173 100
175 50.0 38.4 57.6
254 9.2 7.9 11.9



#60
1,2,3-Trichloropropane
Concen: 66.639 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.013 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Tgt Ion: 75 Resp: 157071
Ion Ratio Lower Upper
75 100
77 32.8 26.0 39.0
110 39.2 33.6 50.4





#61

Isopropylbenzene

Concen: 81.687 ug/L

RT: 10.479 min Scan# 21

Delta R.T. -0.006 min

Lab File: VU057458.D

Acq: 09 Jan 2024 22:39

Instrument :

MSVOA_U

ClientSampleId :

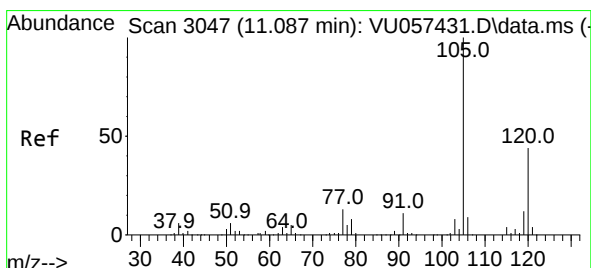
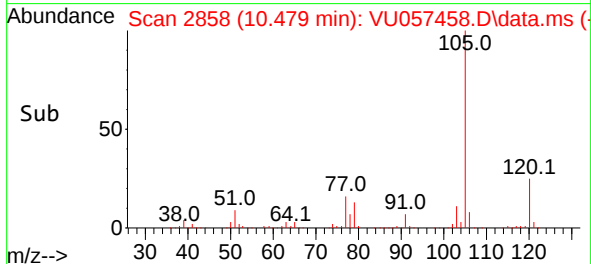
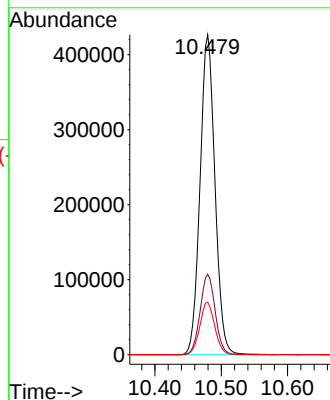
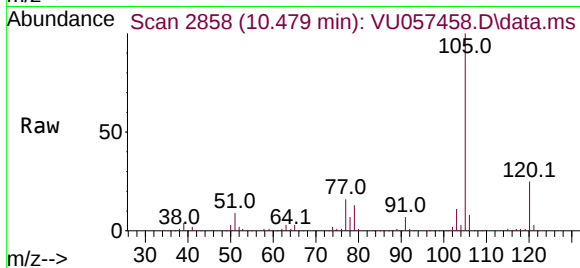
Tgt Ion:105 Resp: 665692

Ion Ratio Lower Upper

105 100

120 25.2 19.9 29.9

77 16.5 13.3 19.9



#62

1,3,5-Trimethylbenzene

Concen: 55.362 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU057458.D

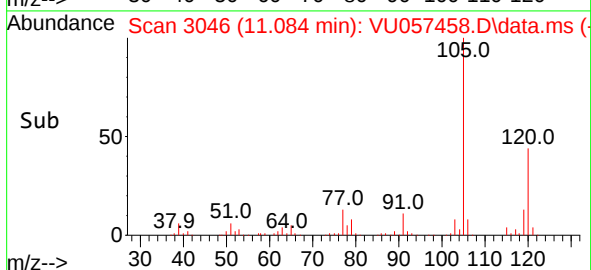
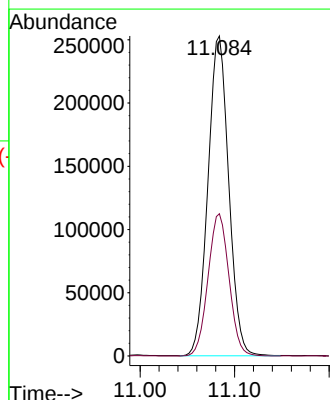
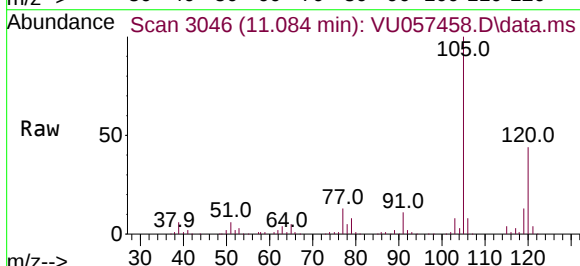
Acq: 09 Jan 2024 22:39

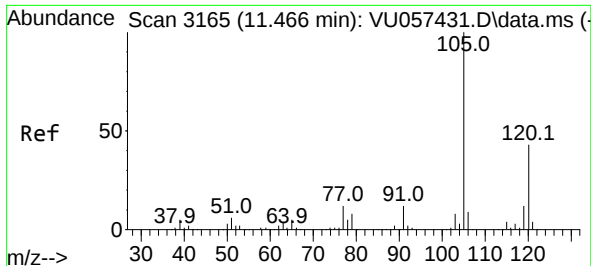
Tgt Ion:105 Resp: 385841

Ion Ratio Lower Upper

105 100

120 44.9 36.1 54.1

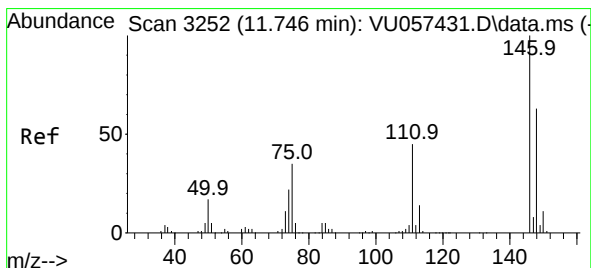
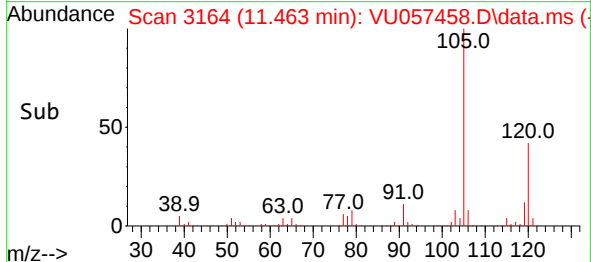
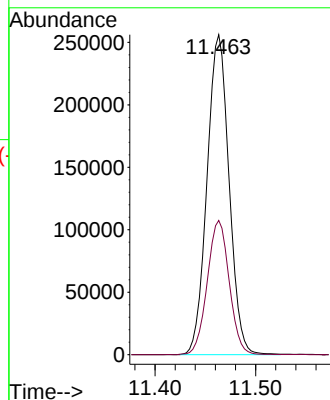
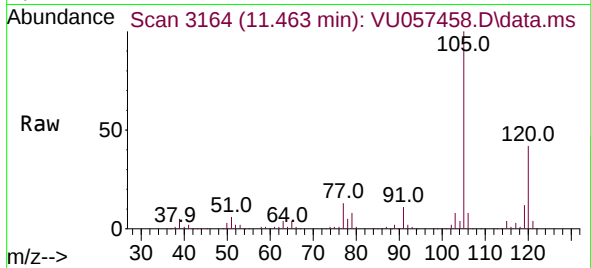




#63
 1,2,4-Trimethylbenzene
 Concen: 57.057 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.003 min
 Lab File: VU057458.D
 Acq: 09 Jan 2024 22:39

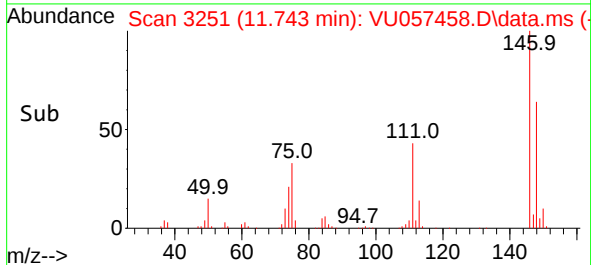
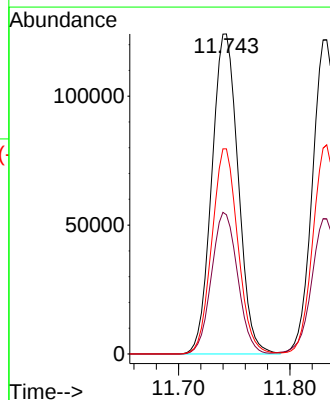
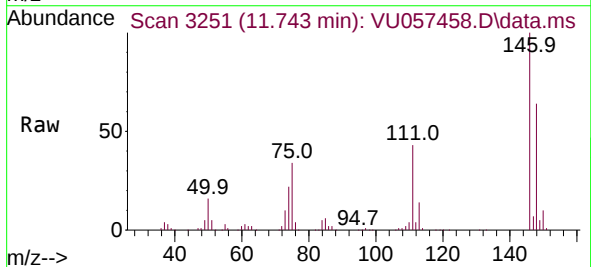
Instrument :
 MSVOA_U
 ClientSampleId :

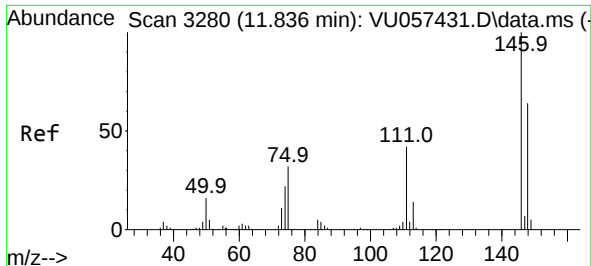
Tgt Ion:105 Resp: 390360
 Ion Ratio Lower Upper
 105 100
 120 41.8 33.4 50.2



#64
 1,3-Dichlorobenzene
 Concen: 53.296 ug/L
 RT: 11.743 min Scan# 3251
 Delta R.T. -0.003 min
 Lab File: VU057458.D
 Acq: 09 Jan 2024 22:39

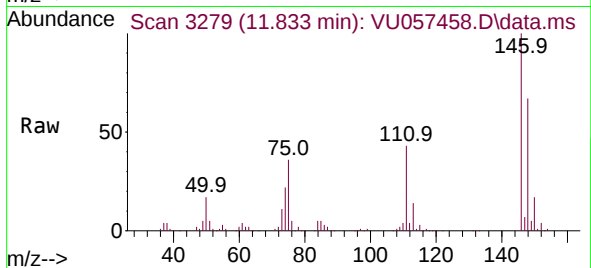
Tgt Ion:146 Resp: 204688
 Ion Ratio Lower Upper
 146 100
 111 43.5 31.6 58.8
 148 64.1 45.0 83.6



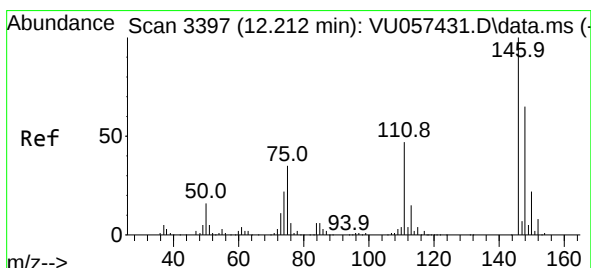
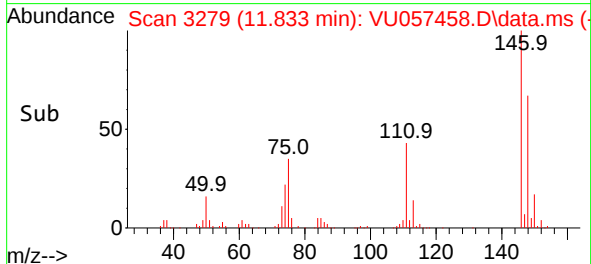
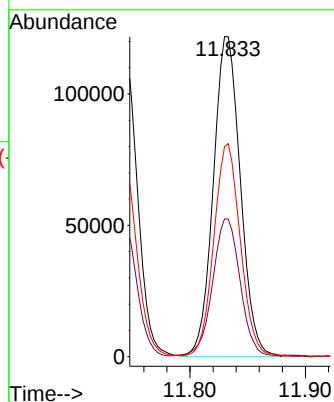


#65
1,4-Dichlorobenzene
Concen: 50.382 ug/L
RT: 11.833 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Instrument :
MSVOA_U
ClientSampleId :

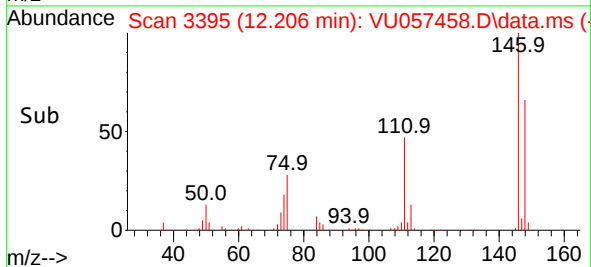
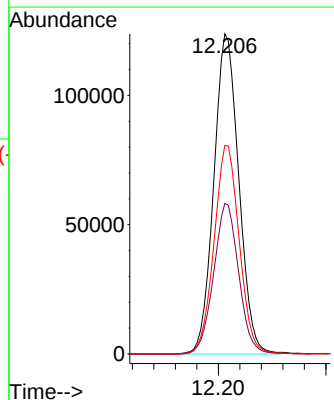
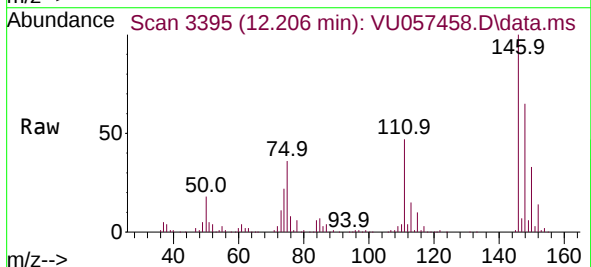


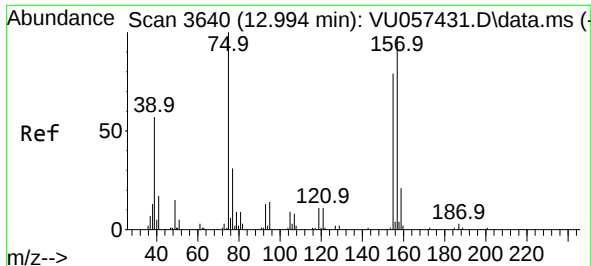
Tgt Ion:146 Resp: 198626
Ion Ratio Lower Upper
146 100
111 43.0 30.3 56.3
148 66.6 45.9 85.3



#67
1,2-Dichlorobenzene
Concen: 51.551 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.006 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Tgt Ion:146 Resp: 199556
Ion Ratio Lower Upper
146 100
111 47.1 36.9 55.3
148 65.1 52.2 78.2

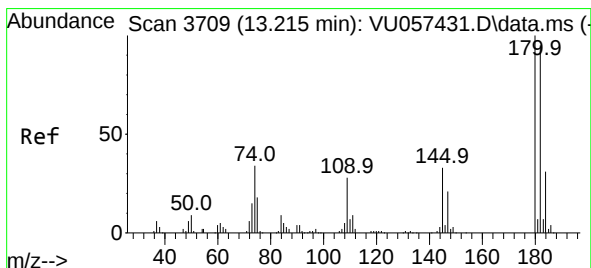
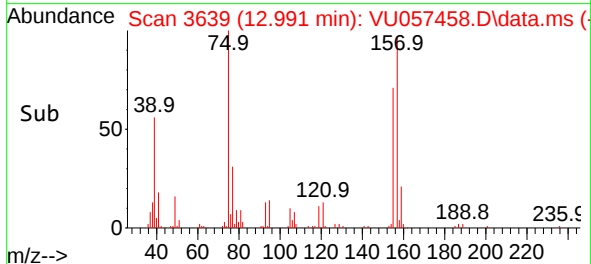
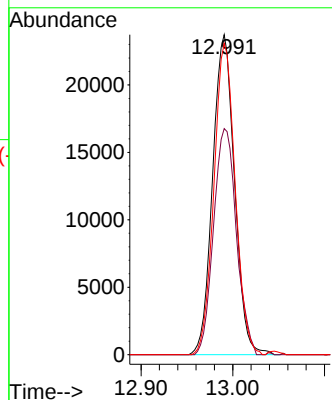
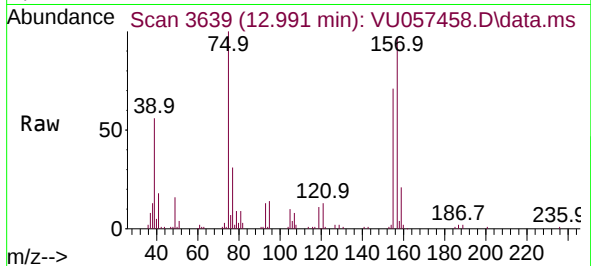




#68
1,2-Dibromo-3-chloropropane
Concen: 62.387 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. -0.003 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

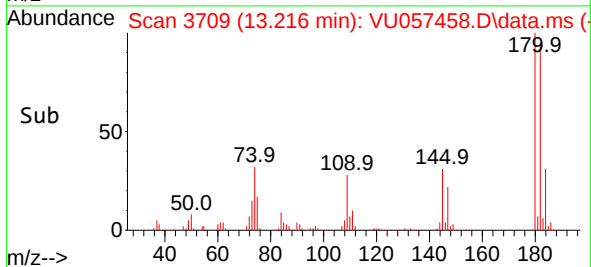
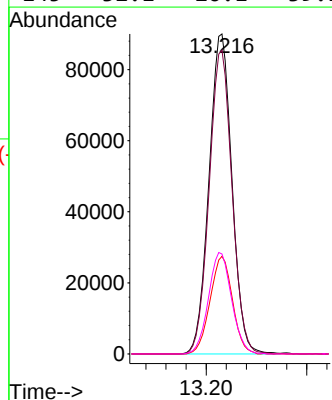
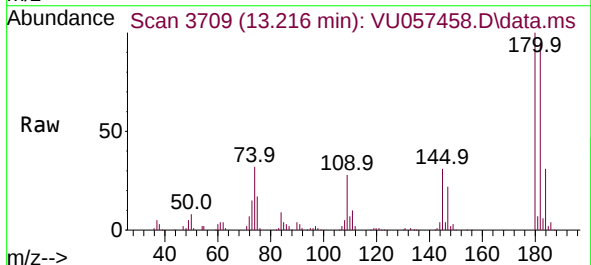
Instrument :
MSVOA_U
ClientSampleId :

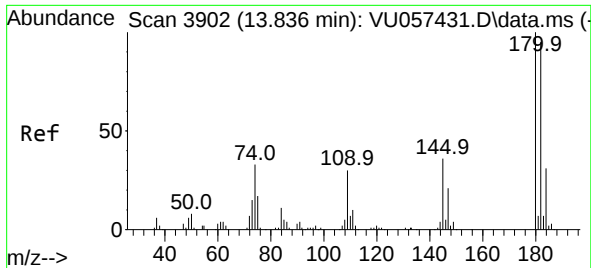
Tgt Ion: 75 Resp: 39265
Ion Ratio Lower Upper
75 100
155 70.7 64.3 96.5
157 97.2 73.8 110.6



#69
1,3,5-Trichlorobenzene
Concen: 51.804 ug/L
RT: 13.216 min Scan# 3709
Delta R.T. 0.000 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

Tgt Ion:180 Resp: 142417
Ion Ratio Lower Upper
180 100
182 94.6 75.6 113.4
184 29.8 23.9 35.9
145 32.1 26.1 39.1

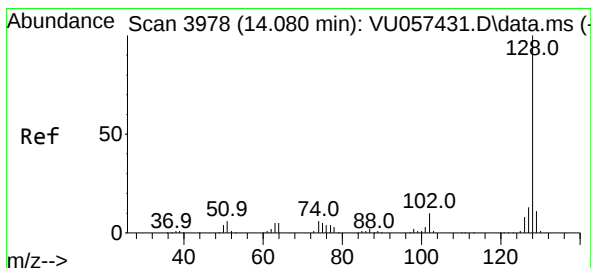
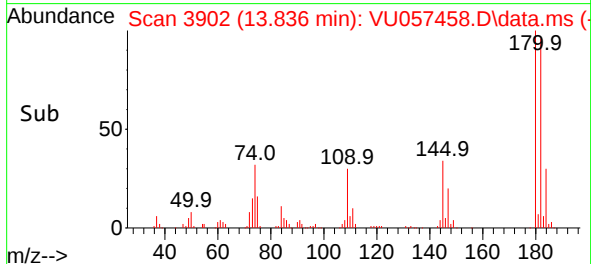
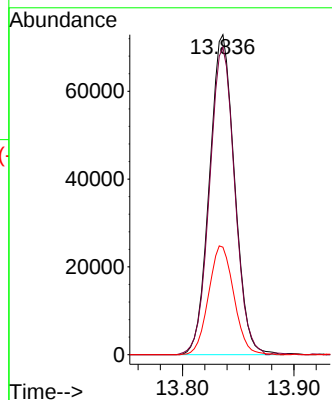
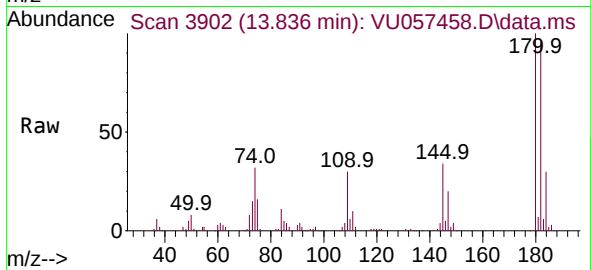




#70
1,2,4-trichlorobenzene
Concen: 54.679 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.000 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

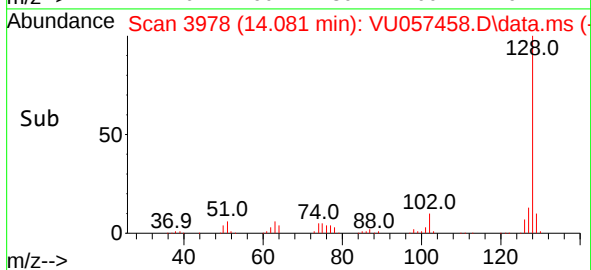
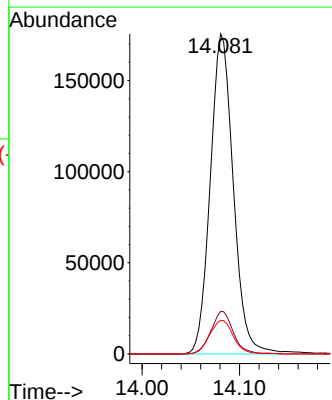
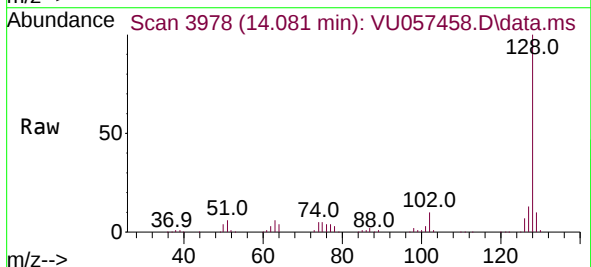
Instrument :
MSVOA_U
ClientSampleId :

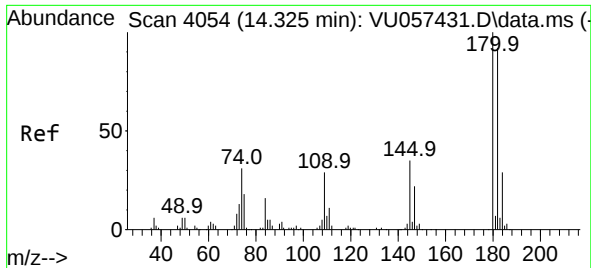
Tgt Ion:180 Resp: 114447
Ion Ratio Lower Upper
180 100
182 96.1 75.8 113.8
145 34.1 27.4 41.0



#71
Naphthalene
Concen: 58.779 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU057458.D
Acq: 09 Jan 2024 22:39

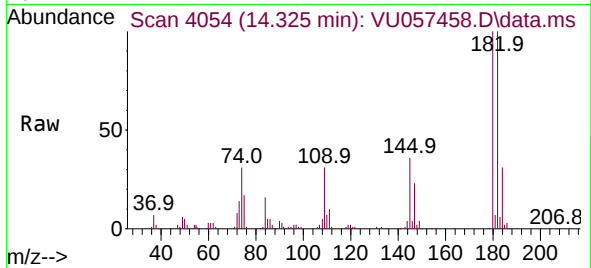
Tgt Ion:128 Resp: 287464
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.5 12.7





#72
 1,2,3-Trichlorobenzene
 Concen: 56.361 ug/L
 RT: 14.325 min Scan# 4054
 Delta R.T. 0.000 min
 Lab File: VU057458.D
 Acq: 09 Jan 2024 22:39

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	111560
Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.5	116.3
145	35.9	28.2	42.4

