

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057381.D
 Acq On : 08 Jan 2024 13:53
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 00:38:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 00:32:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	278153	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	272606	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	137905	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	87884	45.906	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.820%
7) Chloroethane-d5	1.914	69	71255	48.096	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.563	63	183418	45.202	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.400%
21) 2-Butanone-d5	4.637	46	109086	117.593	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.590%
24) Chloroform-d	5.055	84	219310	48.443	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.880%
26) 1,2-Dichloroethane-d4	5.695	65	148058	49.506	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.020%
32) Benzene-d6	5.721	84	368509	50.359	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.720%
36) 1,2-Dichloropropane-d6	6.685	67	103817	50.266	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.540%
41) Toluene-d8	7.894	98	345675	50.409	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.820%
43) trans-1,3-Dichloroprop...	8.174	79	66464	53.914	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.820%
47) 2-Hexanone-d5	8.643	63	83196	123.222	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.220%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	161020	52.170	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.340%
66) 1,2-Dichlorobenzene-d4	12.190	152	133912	49.648	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	140217	44.187	ug/L	99
3) Chloromethane	1.518	50	91864	46.136	ug/L	98
5) Vinyl chloride	1.605	62	94346	44.260	ug/L	99
6) Bromomethane	1.859	94	67647	47.947	ug/L	99
8) Chloroethane	1.936	64	58354	46.801	ug/L	97
9) Trichlorofluoromethane	2.136	101	193882	43.592	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	97151	45.483	ug/L	97
12) 1,1-Dichloroethene	2.573	96	85848	45.549	ug/L	94
13) Acetone	2.657	43	113268	100.266	ug/L	73
14) Carbon disulfide	2.788	76	275354	47.169	ug/L	99
15) Methyl Acetate	2.952	43	81078	55.016	ug/L	96
16) Methylene chloride	3.042	84	102772	47.959	ug/L	96
17) trans-1,2-Dichloroethene	3.348	96	90211	46.787	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	327833	53.118	ug/L	99
19) 1,1-Dichloroethane	3.859	63	172916	48.441	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	104069	50.457	ug/L	96
22) 2-Butanone	4.714	43	119119	107.015	ug/L	93
23) Bromochloromethane	4.968	128	58034	49.017	ug/L	97
25) Chloroform	5.081	83	205293	47.389	ug/L	99

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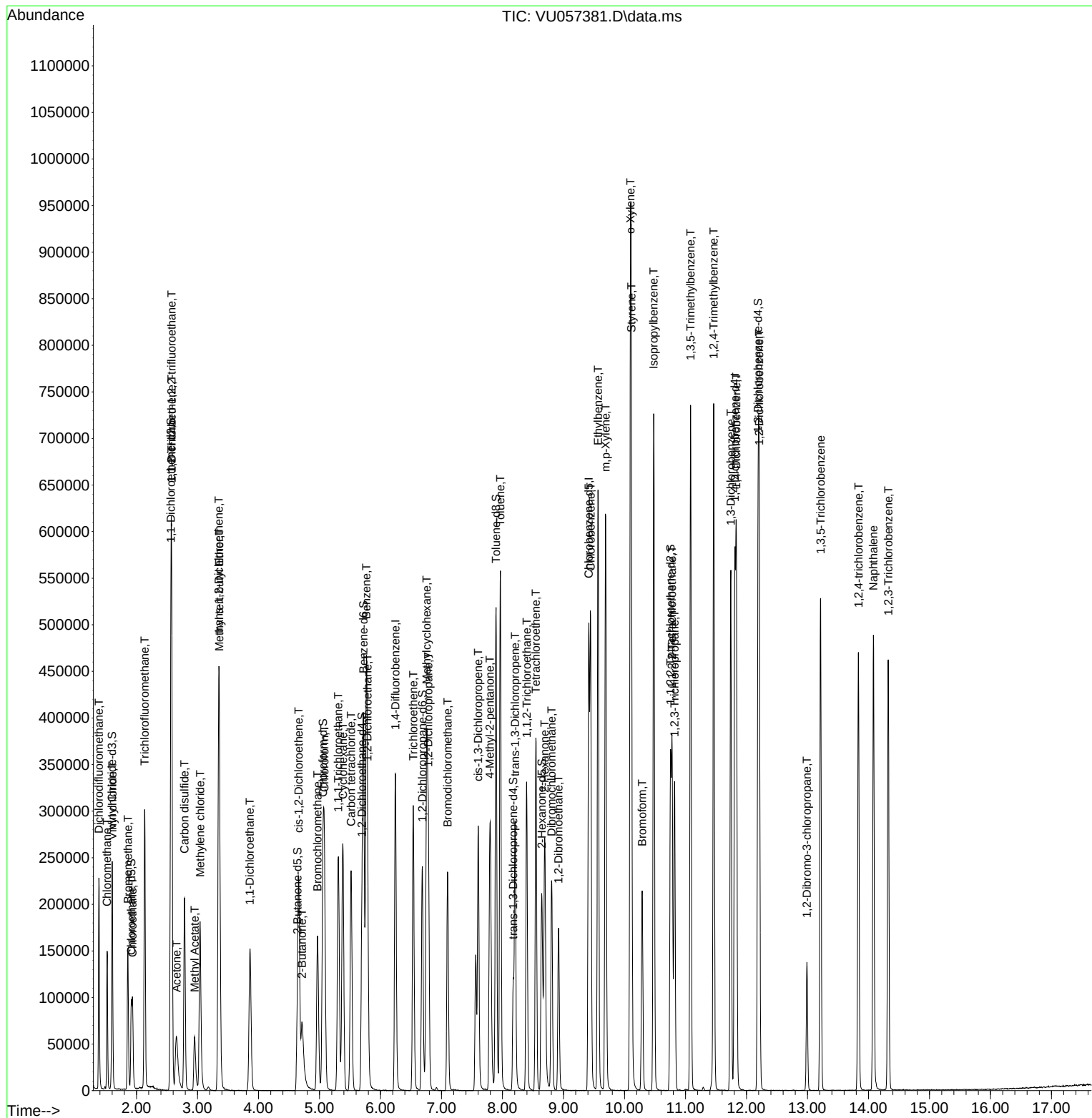
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	175374	48.059	ug/L	98
29) Cyclohexane	5.383	56	127740	49.528	ug/L	100
30) 1,1,1-Trichloroethane	5.309	97	194081	46.273	ug/L	99
31) Carbon tetrachloride	5.518	117	167730	45.088	ug/L	98
33) Benzene	5.769	78	376746	49.177	ug/L	100
34) Trichloroethene	6.537	95	108409	48.469	ug/L	97
35) Methylcyclohexane	6.759	83	150603	49.491	ug/L	98
37) 1,2-Dichloropropane	6.785	63	93299	49.352	ug/L	99
38) Bromodichloromethane	7.100	83	158030	49.345	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	169022	51.057	ug/L	99
40) 4-Methyl-2-pentanone	7.795	43	223583	116.071	ug/L	98
42) Toluene	7.965	91	410976	49.888	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	173938	52.336	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	104234	50.109	ug/L	98
46) Tetrachloroethene	8.547	164	79150	46.781	ug/L	98
48) 2-Hexanone	8.692	43	181131	116.879	ug/L	98
49) Dibromochloromethane	8.804	129	124084	48.948	ug/L	97
50) 1,2-Dibromoethane	8.920	107	116389	52.749	ug/L	100
51) Chlorobenzene	9.444	112	269998	48.778	ug/L	98
52) Ethylbenzene	9.566	91	459851	50.129	ug/L	100
53) m,p-Xylene	9.692	106	174280	50.823	ug/L	98
54) o-Xylene	10.097	106	169130	50.504	ug/L	96
55) Styrene	10.113	104	294505	51.933	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	160808	51.269	ug/L	98
59) Bromoform	10.290	173	101273	50.647	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	137036	52.461	ug/L	99
61) Isopropylbenzene	10.479	105	464515	51.434	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	397751	51.498	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	405483	53.480	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	219125	51.484	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	216746	49.610	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	217682	50.742	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	37639	53.964	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	160770	52.769	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	140608	60.618	ug/L	99
71) Naphthalene	14.081	128	391167	72.172	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	137837	62.836	ug/L	98

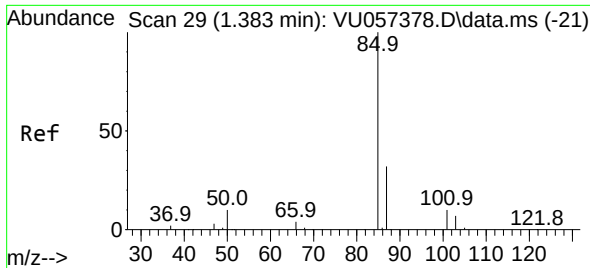
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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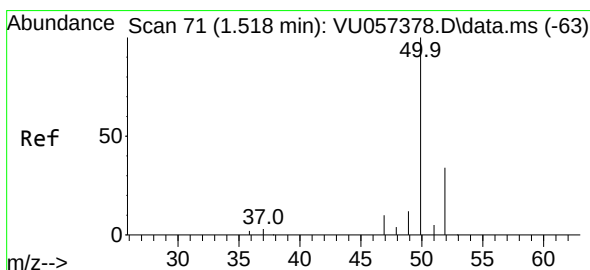
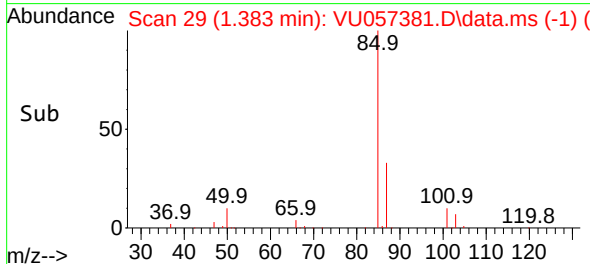
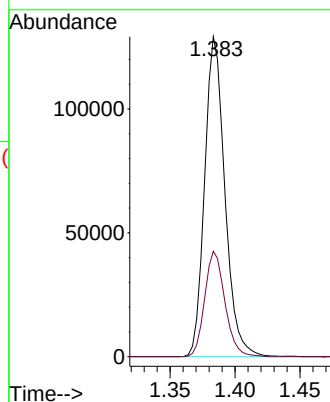
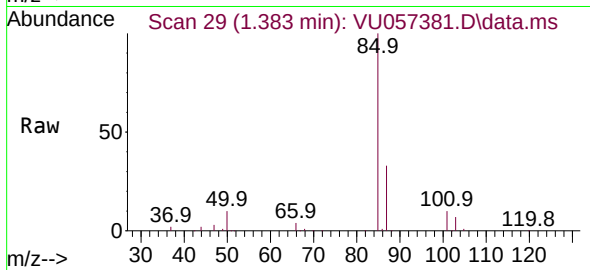




#2
 Dichlorodifluoromethane
 Concen: 44.187 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU057381.D
 Acq: 08 Jan 2024 13:53

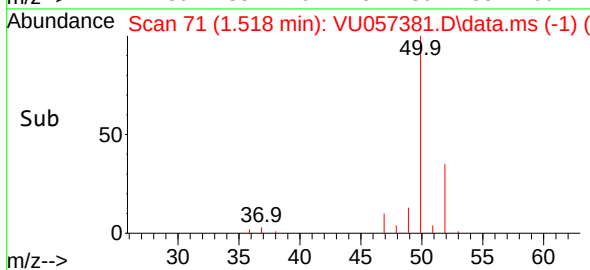
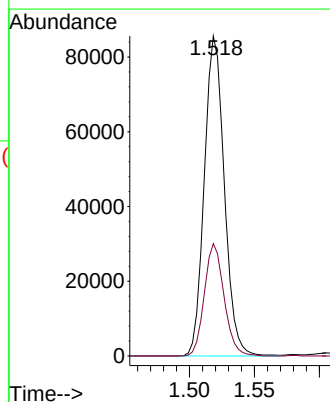
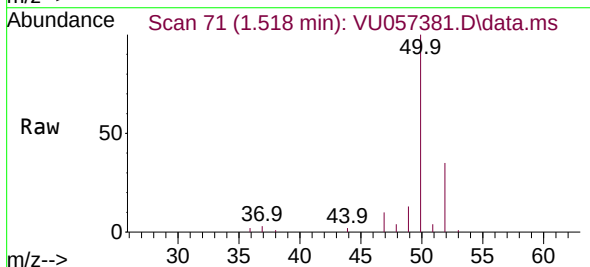
Instrument :
 MSVOA_U
 ClientSampleId :

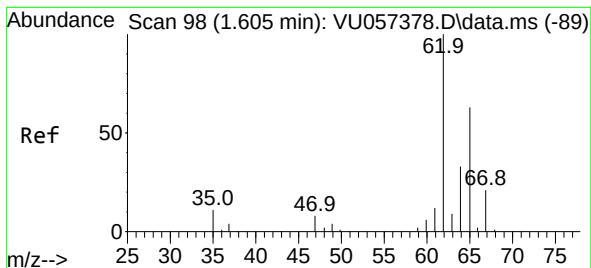
Tgt Ion: 85 Resp: 140217
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.8 38.6



#3
 Chloromethane
 Concen: 46.136 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057381.D
 Acq: 08 Jan 2024 13:53

Tgt Ion: 50 Resp: 91864
 Ion Ratio Lower Upper
 50 100
 52 35.1 23.7 43.9





#5

Vinyl chloride

Concen: 44.260 ug/L

RT: 1.605 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

Instrument :

MSVOA_U

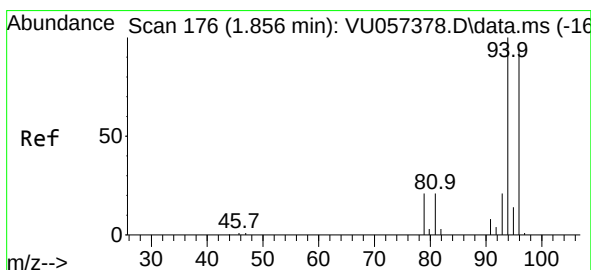
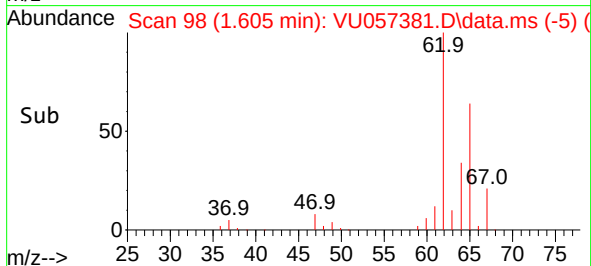
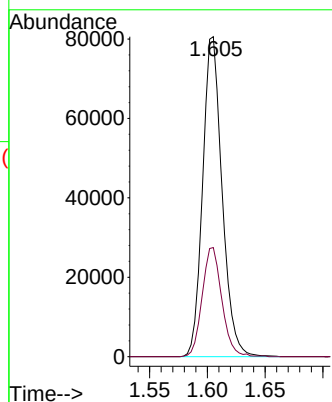
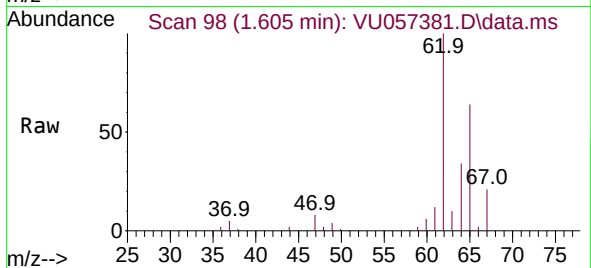
ClientSampleId :

Tgt Ion: 62 Resp: 94346

Ion Ratio Lower Upper

62 100

64 34.1 23.3 43.3



#6

Bromomethane

Concen: 47.947 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.003 min

Lab File: VU057381.D

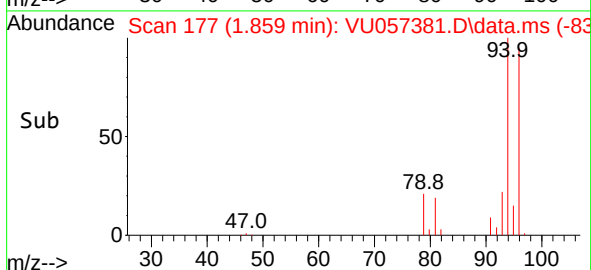
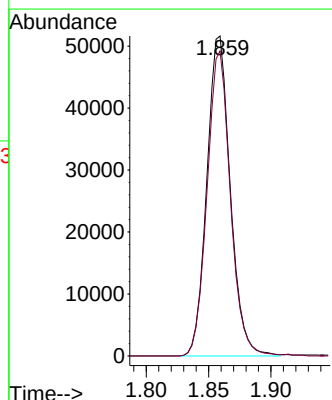
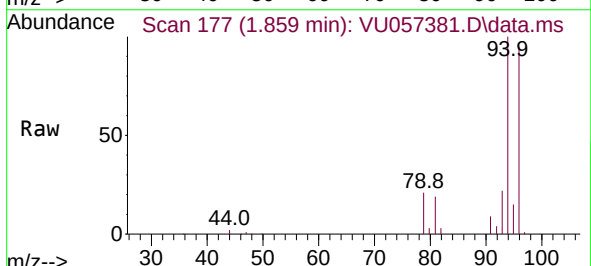
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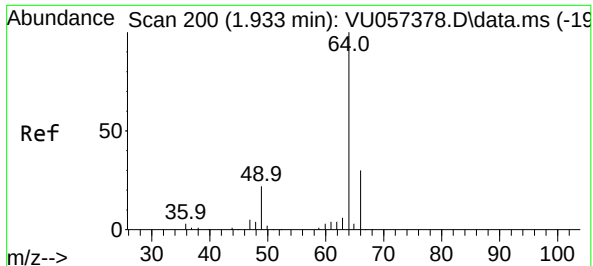
Tgt Ion: 94 Resp: 67647

Ion Ratio Lower Upper

94 100

96 95.3 65.9 122.5

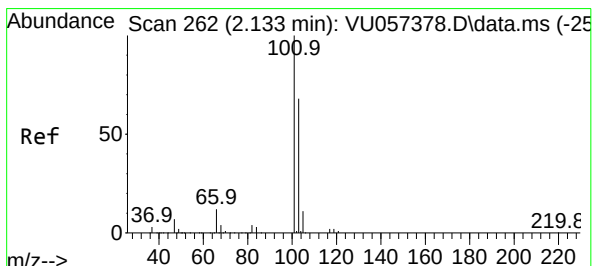
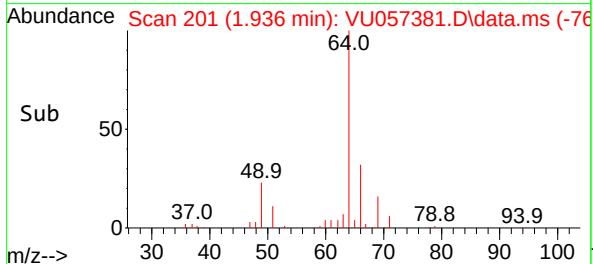
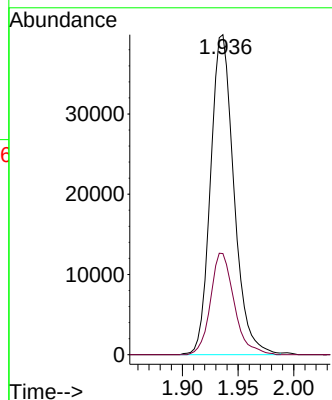
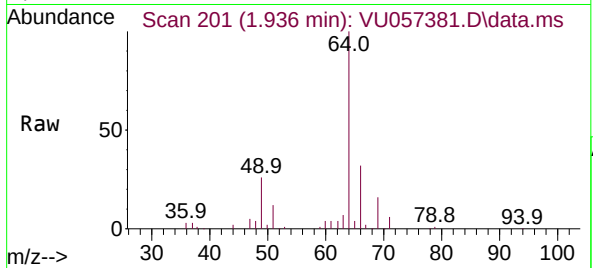




#8
Chloroethane
Concen: 46.801 ug/L
RT: 1.936 min Scan# 201
Delta R.T. 0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

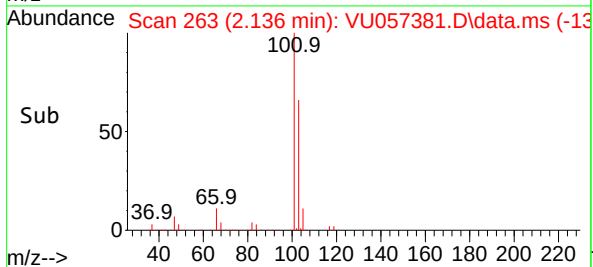
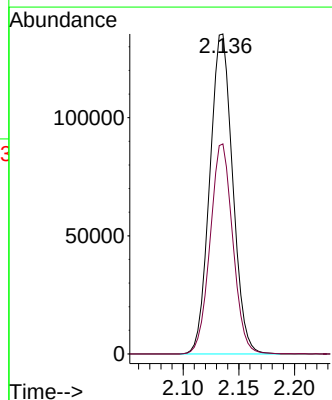
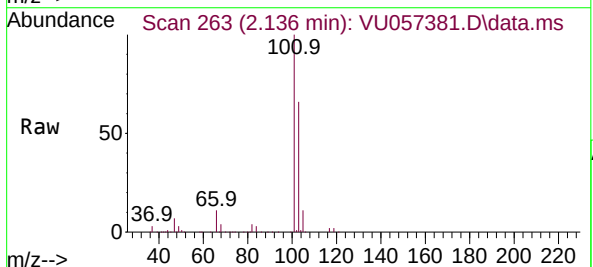
Instrument :
MSVOA_U
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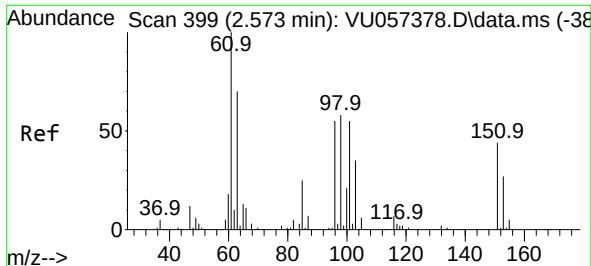
Tgt Ion: 64 Resp: 58354
Ion Ratio Lower Upper
64 100
66 31.6 20.9 38.9



#9
Trichlorofluoromethane
Concen: 43.592 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion:101 Resp: 193882
Ion Ratio Lower Upper
101 100
103 65.0 53.4 80.0

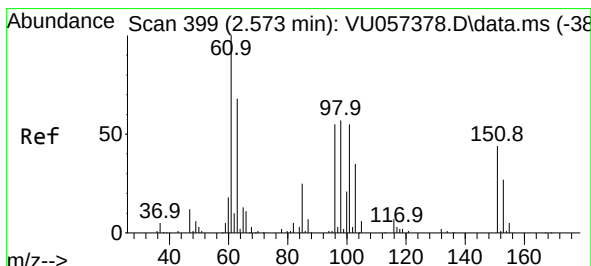
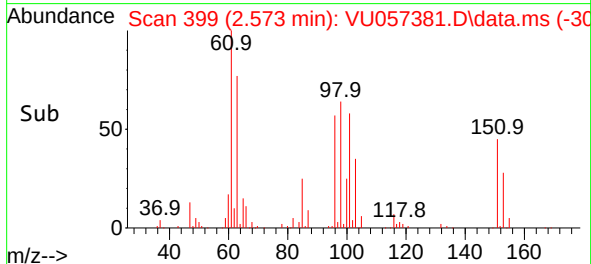
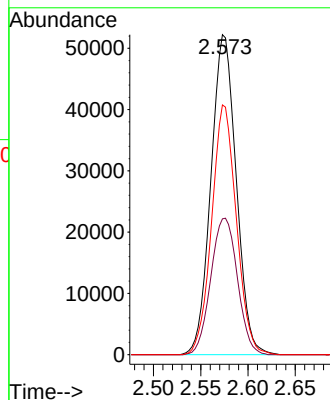
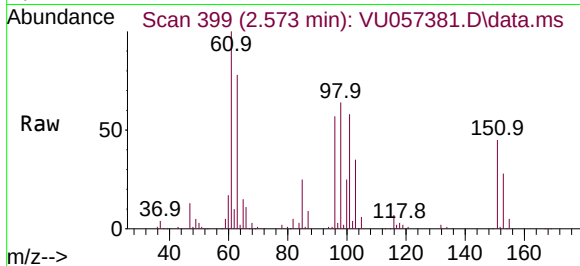




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.483 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU057381.D
 Acq: 08 Jan 2024 13:53

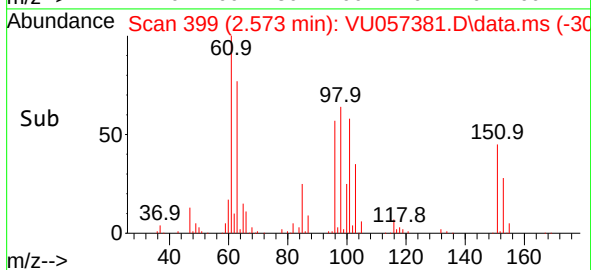
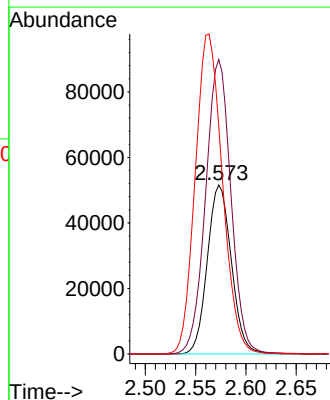
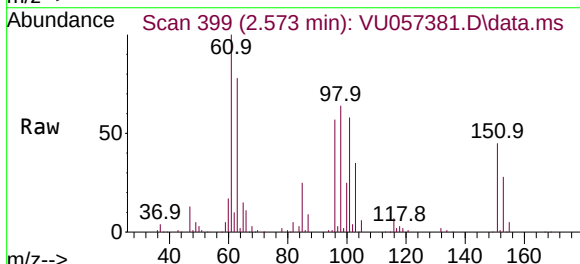
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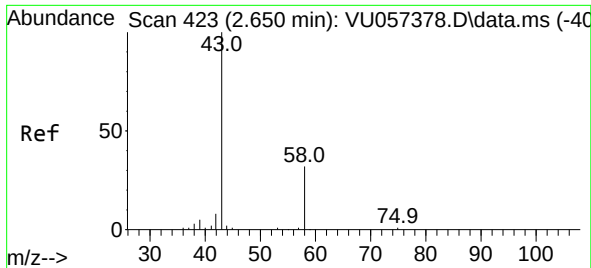
Tgt Ion:101 Resp: 97151
 Ion Ratio Lower Upper
 101 100
 85 44.9 37.0 55.4
 151 76.2 63.7 95.5



#12
 1,1-Dichloroethene
 Concen: 45.549 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU057381.D
 Acq: 08 Jan 2024 13:53

Tgt Ion: 96 Resp: 85848
 Ion Ratio Lower Upper
 96 100
 61 174.2 128.3 238.3
 63 135.0 90.4 168.0





#13

Acetone

Concen: 100.266 ug/L

RT: 2.657 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

Instrument :

MSVOA_U

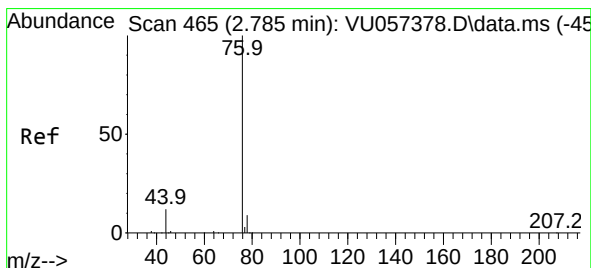
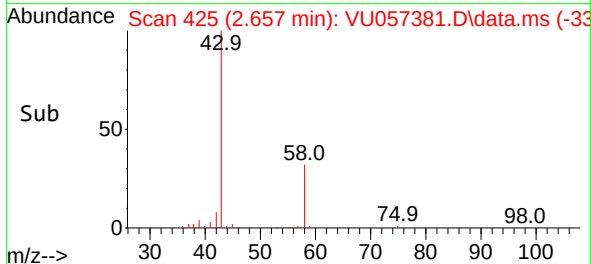
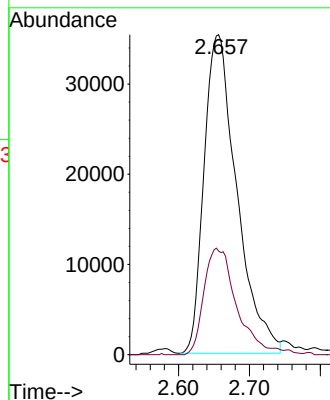
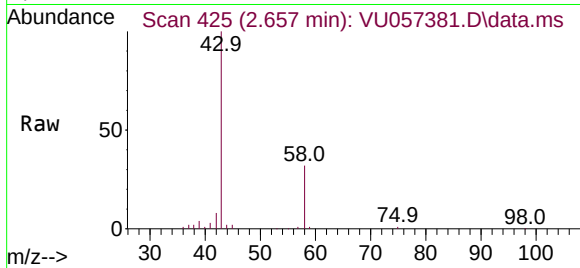
ClientSampleId :

Tgt Ion: 43 Resp: 113268

Ion Ratio Lower Upper

43 100

58 17.4 0.0 65.2



#14

Carbon disulfide

Concen: 47.169 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU057381.D

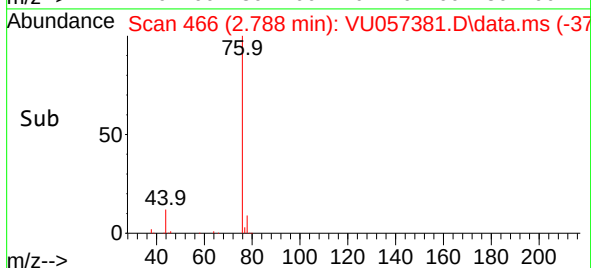
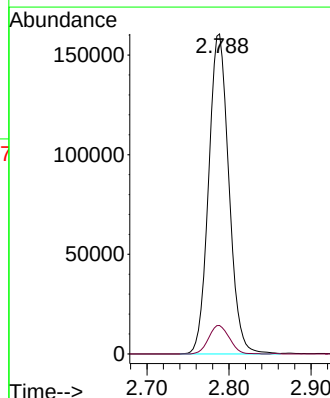
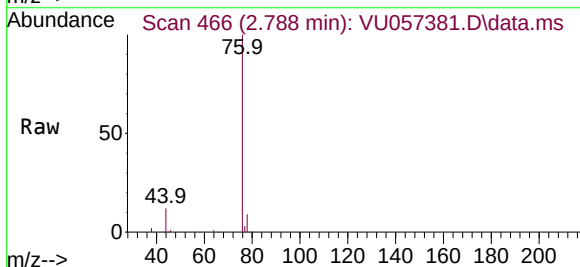
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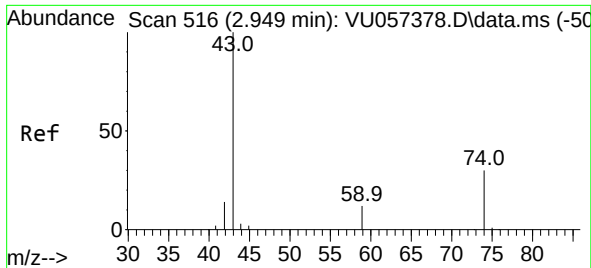
Tgt Ion: 76 Resp: 275354

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

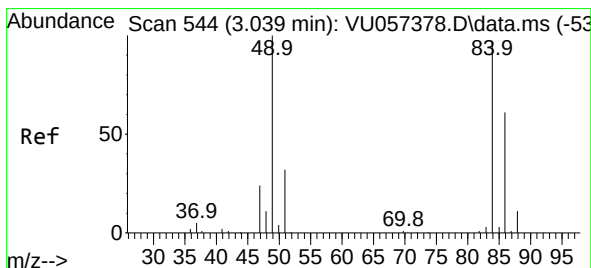
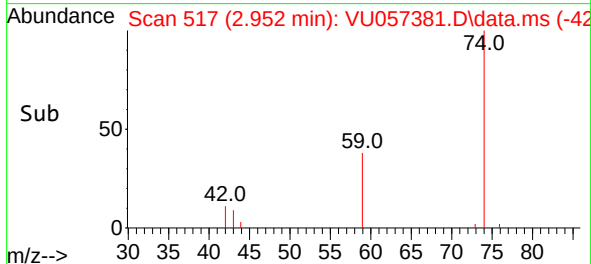
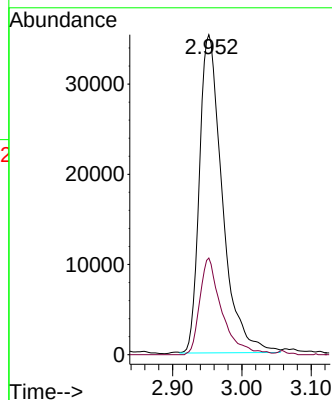
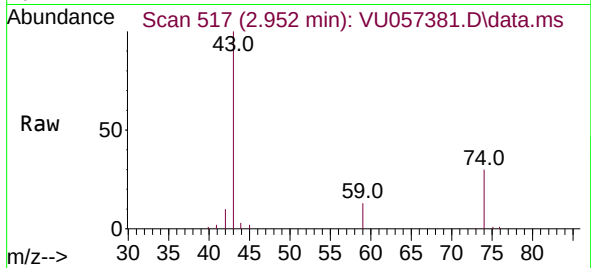




#15
Methyl Acetate
Concen: 55.016 ug/L
RT: 2.952 min Scan# 516
Delta R.T. 0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

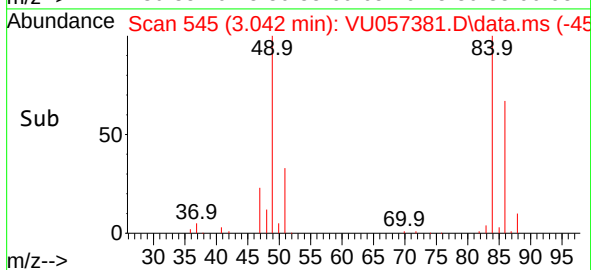
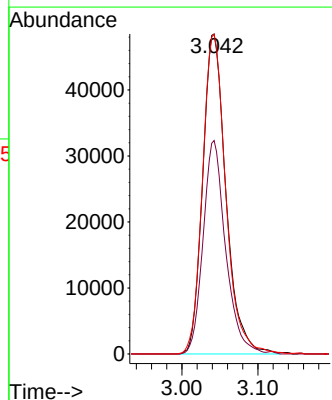
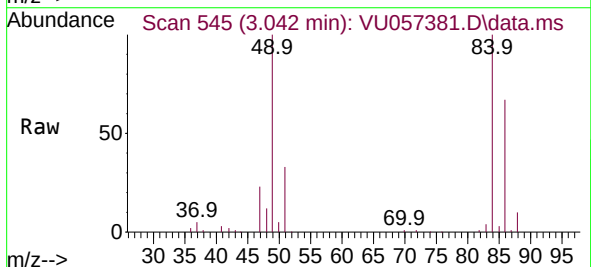
Instrument :
MSVOA_U
ClientSampleId :

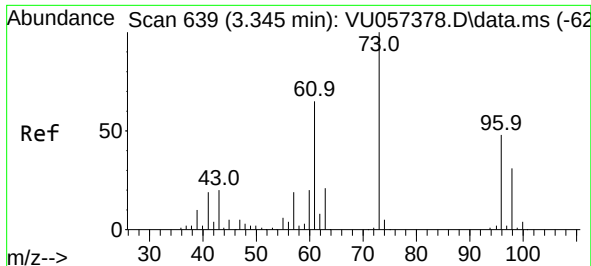
Tgt Ion: 43 Resp: 81078
Ion Ratio Lower Upper
43 100
74 28.7 24.6 36.8



#16
Methylene chloride
Concen: 47.959 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion: 84 Resp: 102772
Ion Ratio Lower Upper
84 100
86 66.7 44.3 82.3
49 99.9 72.2 134.2





#17

trans-1,2-Dichloroethene

Concen: 46.787 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.003 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

Instrument :

MSVOA_U

ClientSampleId :

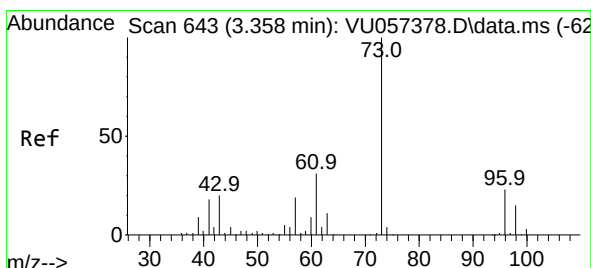
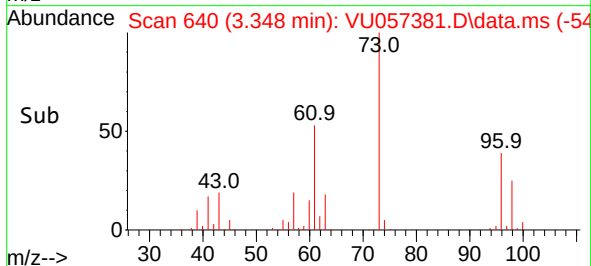
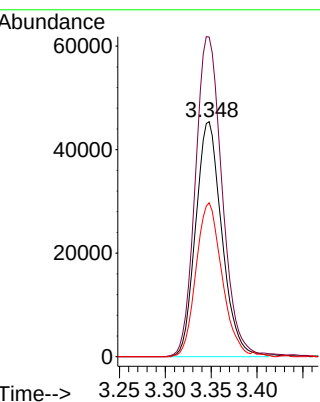
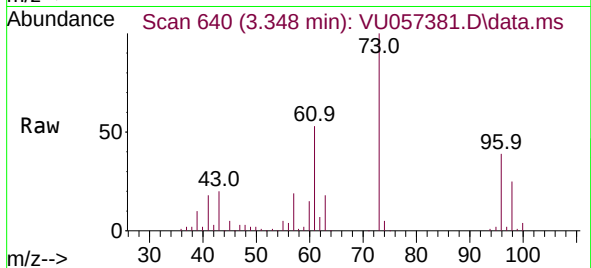
Tgt Ion: 96 Resp: 90211

Ion Ratio Lower Upper

96 100

61 136.0 93.9 174.5

98 65.5 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 53.118 ug/L

RT: 3.357 min Scan# 643

Delta R.T. -0.000 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

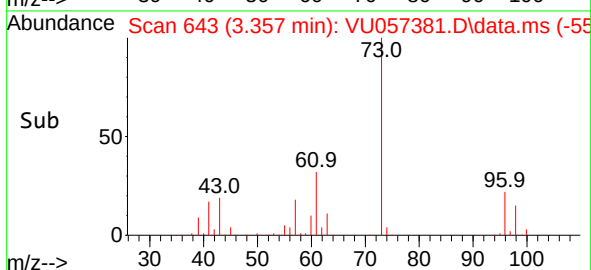
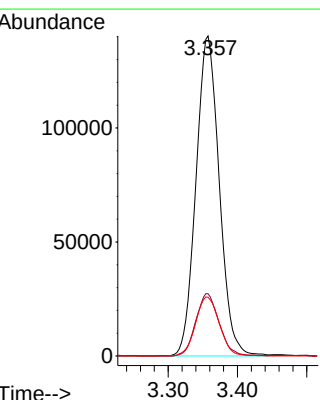
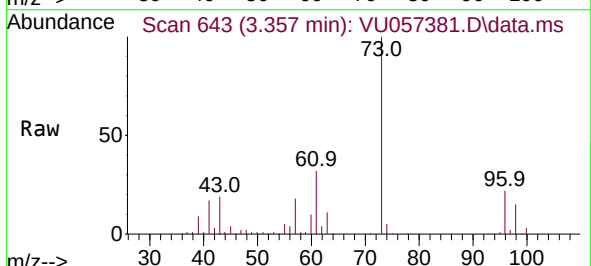
Tgt Ion: 73 Resp: 327833

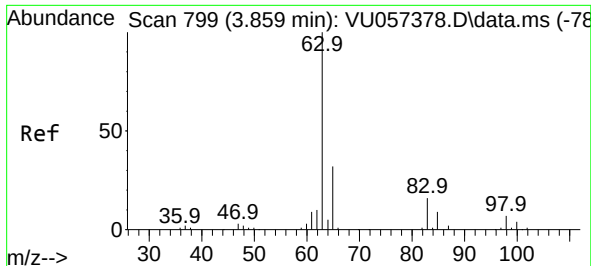
Ion Ratio Lower Upper

73 100

43 19.5 16.3 24.5

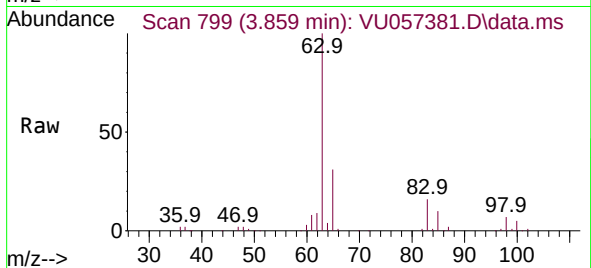
57 18.6 15.0 22.6



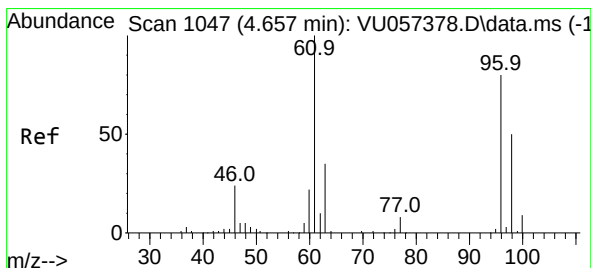
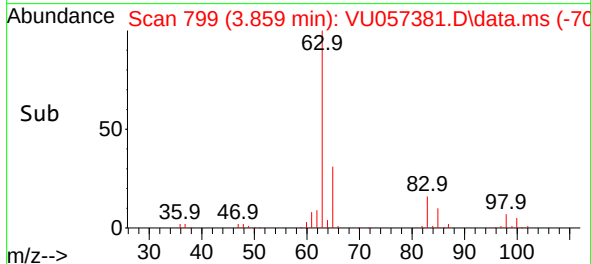
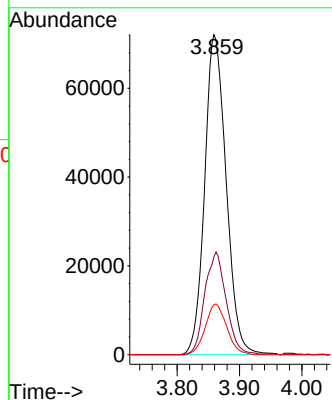


#19
1,1-Dichloroethane
Concen: 48.441 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Instrument :
MSVOA_U
ClientSampleId :

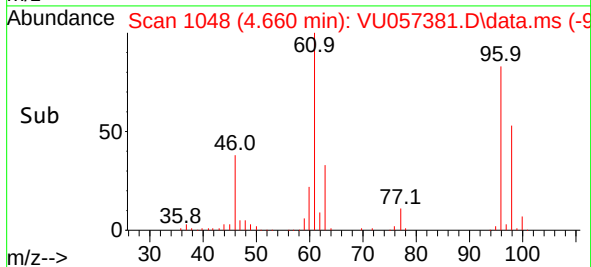
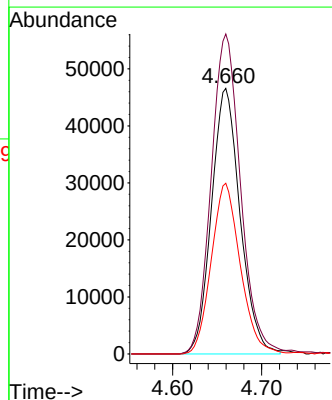
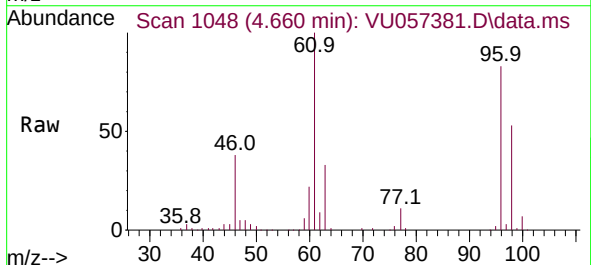


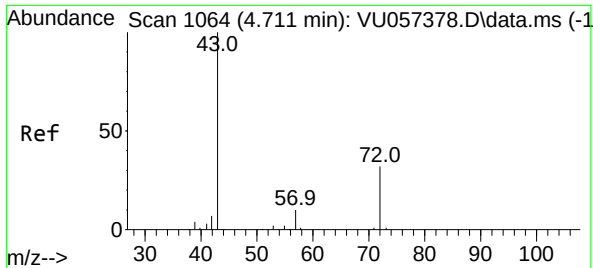
Tgt Ion: 63 Resp: 172916
Ion Ratio Lower Upper
63 100
65 30.6 22.4 41.6
83 15.7 11.3 21.1



#20
cis-1,2-Dichloroethene
Concen: 50.457 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion: 96 Resp: 104069
Ion Ratio Lower Upper
96 100
61 120.5 88.0 163.4
98 64.3 43.4 80.6

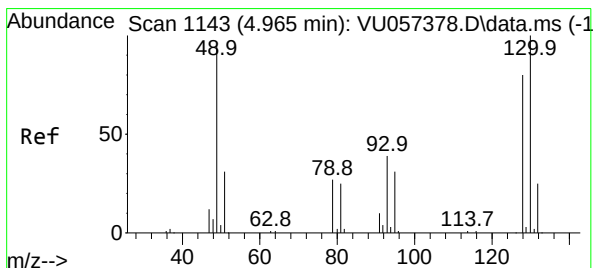
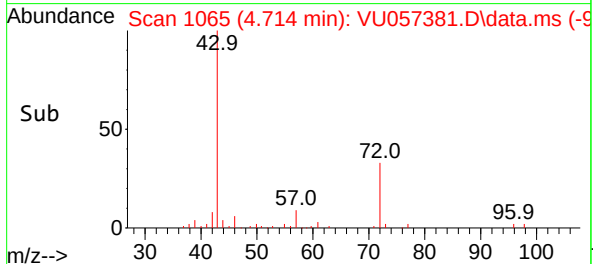
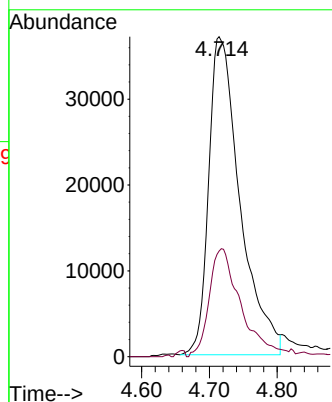
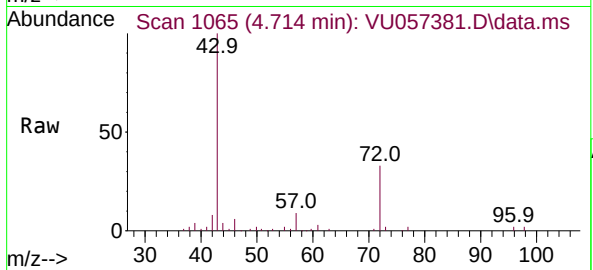




#22
2-Butanone
Concen: 107.015 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

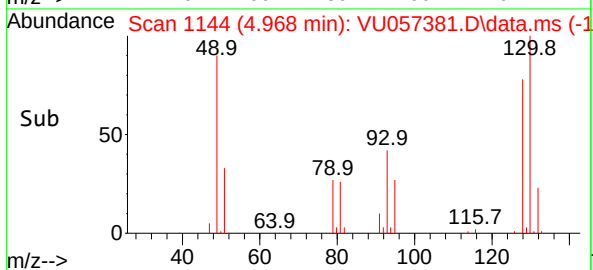
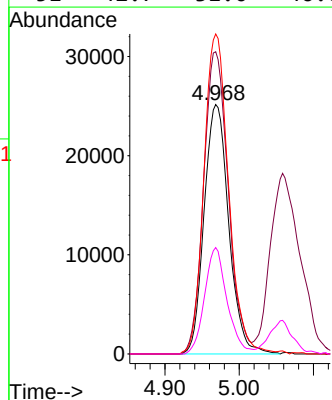
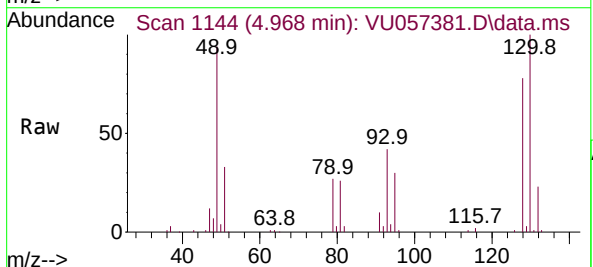
Instrument :
MSVOA_U
ClientSampleId :

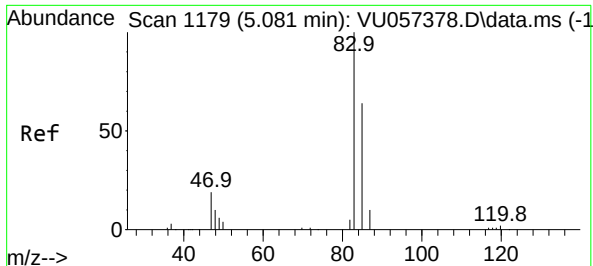
Tgt Ion: 43 Resp: 119119
Ion Ratio Lower Upper
43 100
72 34.3 15.2 45.6



#23
Bromochloromethane
Concen: 49.017 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion: 128 Resp: 58034
Ion Ratio Lower Upper
128 100
49 121.1 83.4 154.8
130 128.3 87.6 162.6
51 42.7 31.0 46.6





#25

Chloroform

Concen: 47.389 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

Instrument :

MSVOA_U

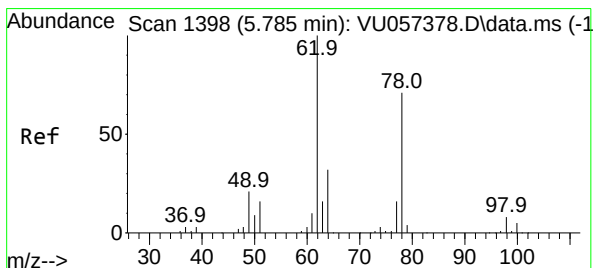
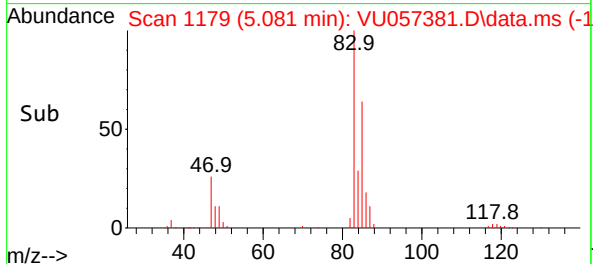
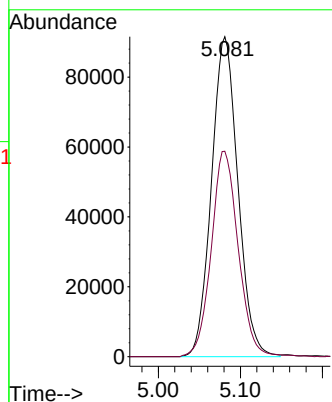
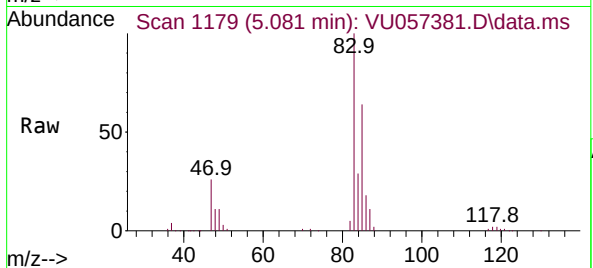
ClientSampleId :

Tgt Ion: 83 Resp: 205293

Ion Ratio Lower Upper

83 100

85 64.2 45.5 84.5



#27

1,2-Dichloroethane

Concen: 48.059 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU057381.D

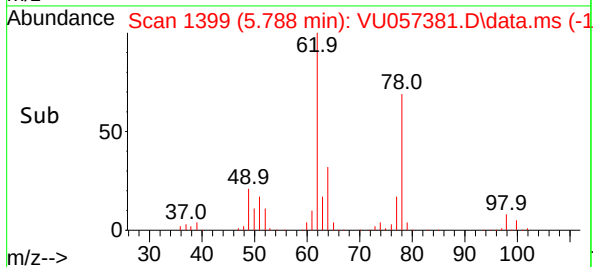
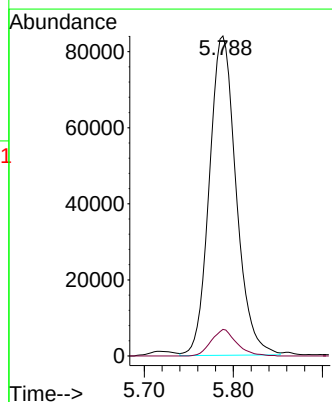
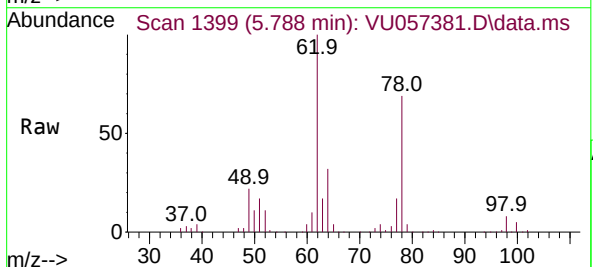
Acq: 08 Jan 2024 13:53

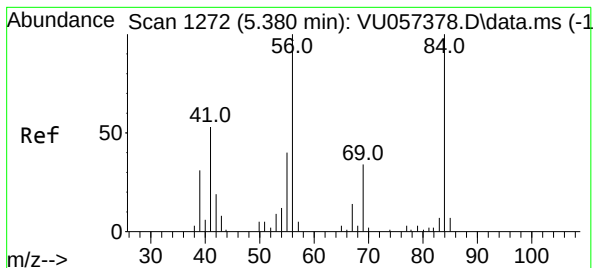
Tgt Ion: 62 Resp: 175374

Ion Ratio Lower Upper

62 100

98 8.3 6.1 9.1





#29

Cyclohexane

Concen: 49.528 ug/L

RT: 5.383 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

Instrument :

MSVOA_U

ClientSampleId :

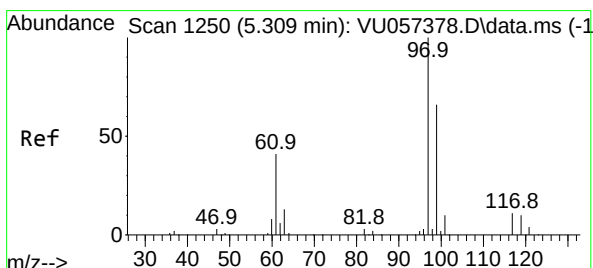
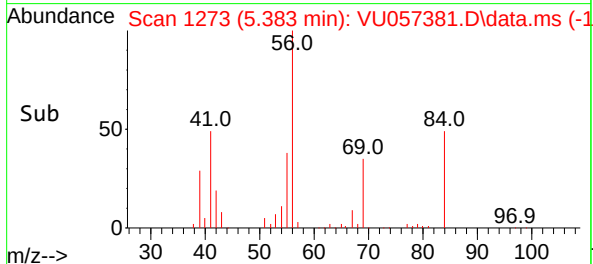
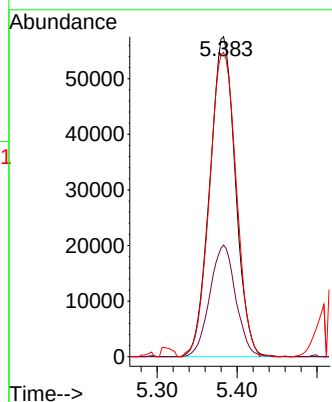
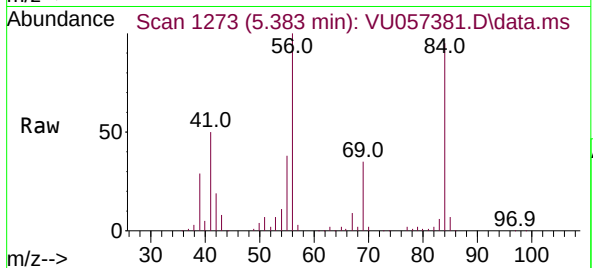
Tgt Ion: 56 Resp: 127740

Ion Ratio Lower Upper

56 100

69 35.3 27.8 41.8

84 99.0 79.3 118.9



#30

1,1,1-Trichloroethane

Concen: 46.273 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

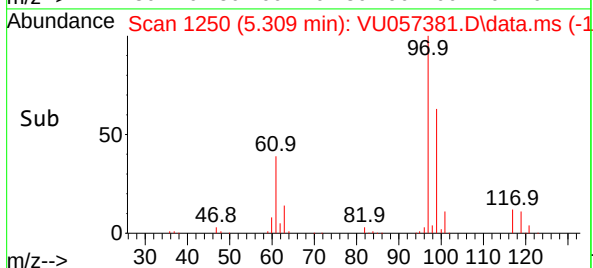
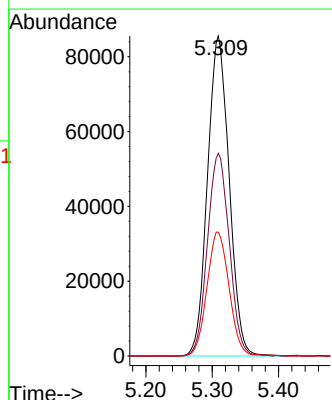
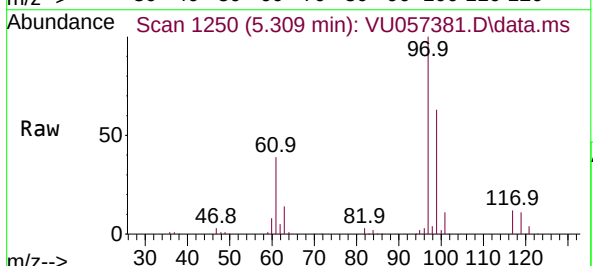
Tgt Ion: 97 Resp: 194081

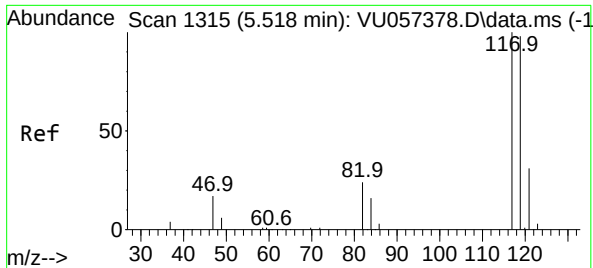
Ion Ratio Lower Upper

97 100

99 63.9 52.1 78.1

61 39.4 31.9 47.9

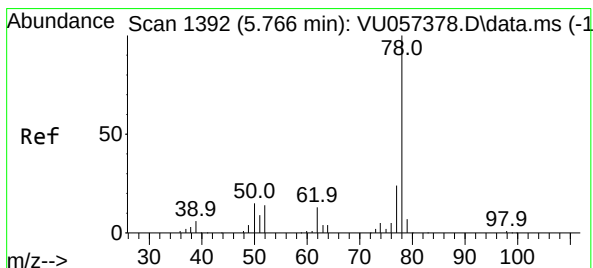
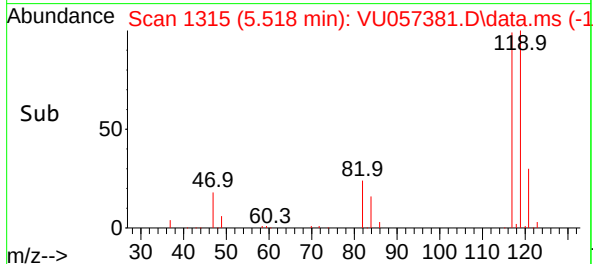
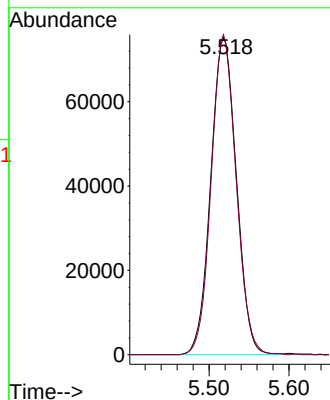
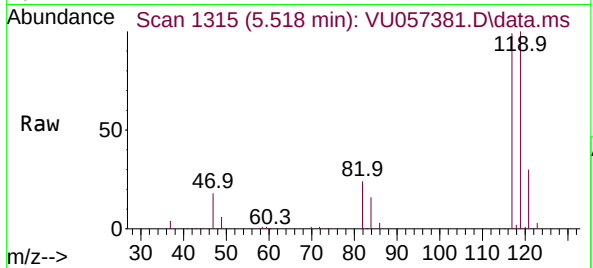




#31
Carbon tetrachloride
Concen: 45.088 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

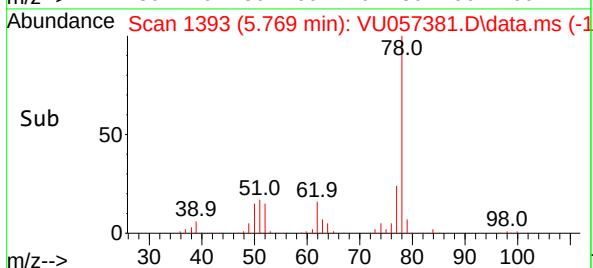
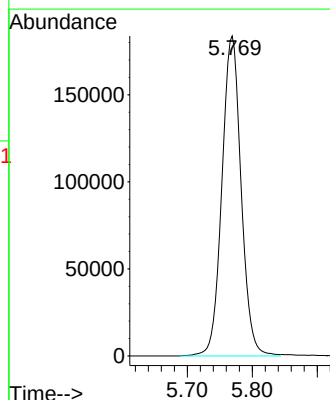
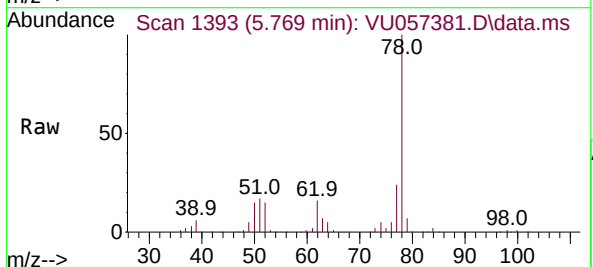
Instrument :
MSVOA_U
ClientSampleId :

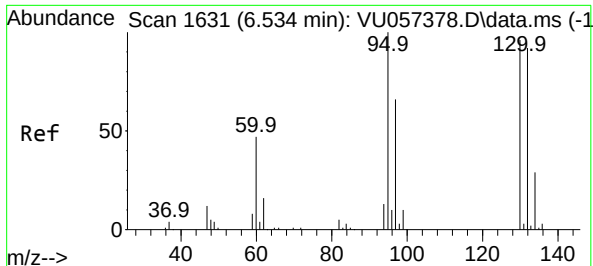
Tgt Ion:117 Resp: 167730
Ion Ratio Lower Upper
117 100
119 97.8 76.5 114.7



#33
Benzene
Concen: 49.177 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion: 78 Resp: 376746

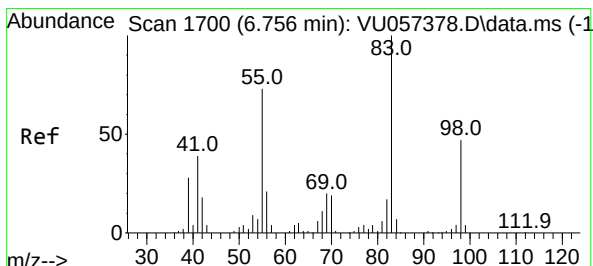
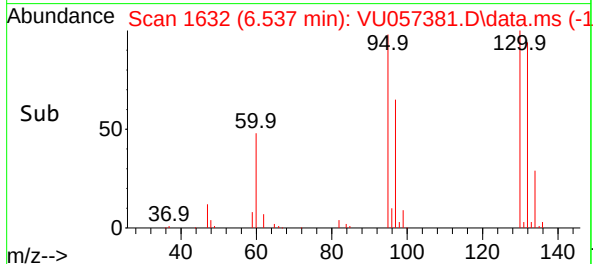
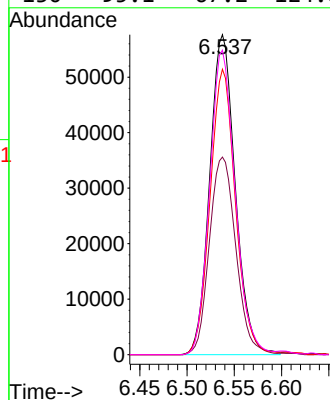
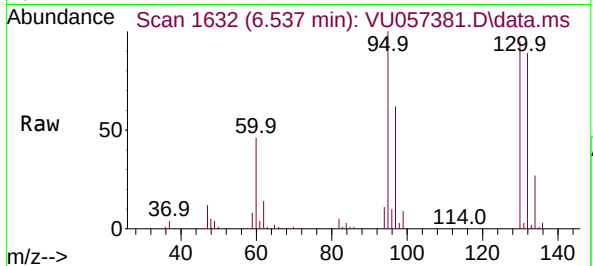




#34
Trichloroethene
Concen: 48.469 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

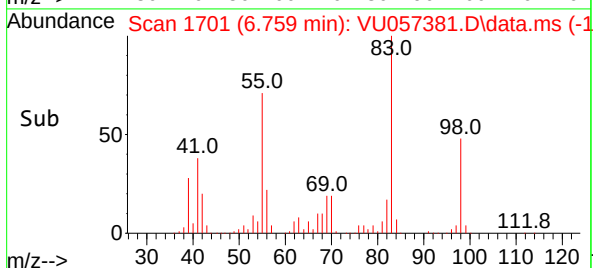
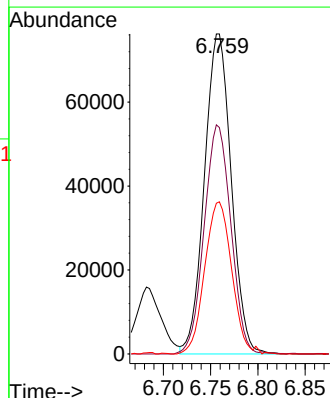
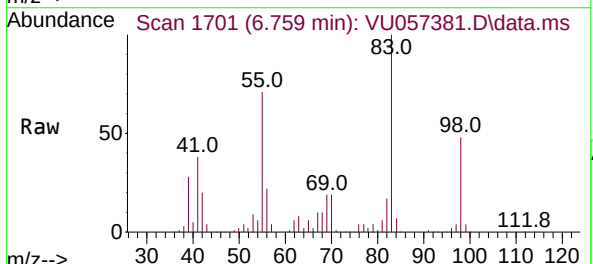
Instrument :
MSVOA_U
ClientSampleId :

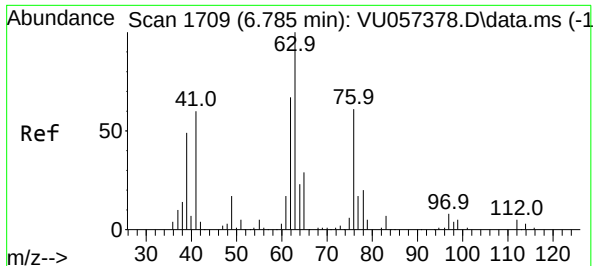
Tgt Ion: 95 Resp: 108409
Ion Ratio Lower Upper
95 100
97 61.7 46.2 85.8
132 89.2 64.3 119.5
130 95.1 67.2 124.8



#35
Methylcyclohexane
Concen: 49.491 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion: 83 Resp: 150603
Ion Ratio Lower Upper
83 100
55 71.1 58.0 87.0
98 47.3 36.6 55.0

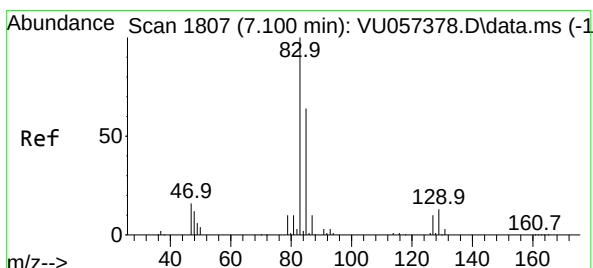
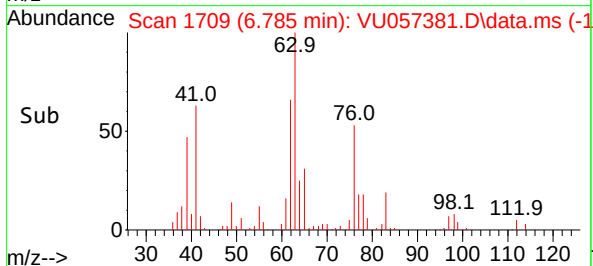
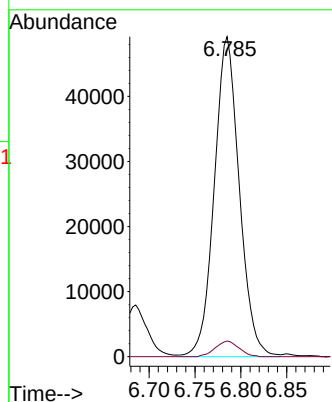
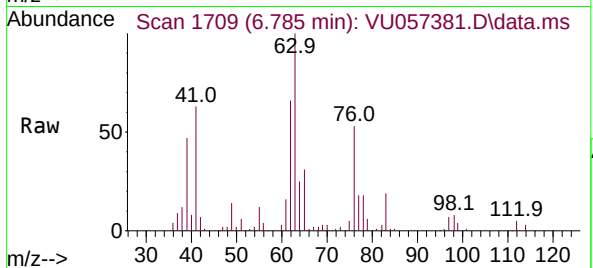




#37
1,2-Dichloropropane
Concen: 49.352 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

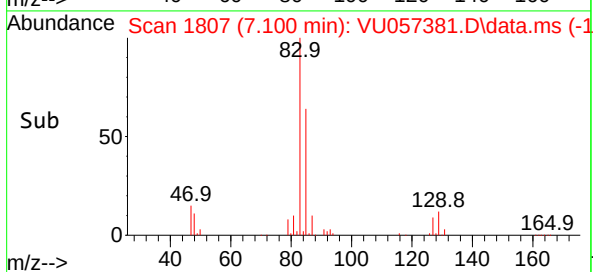
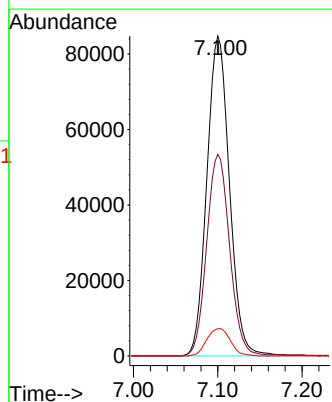
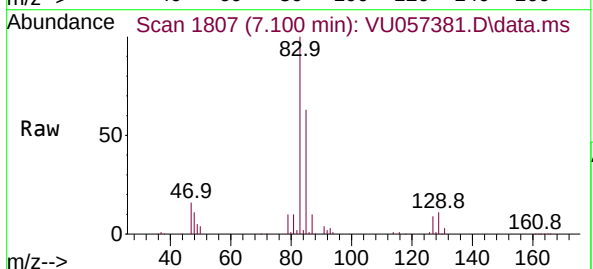
Instrument :
MSVOA_U
ClientSampleId :

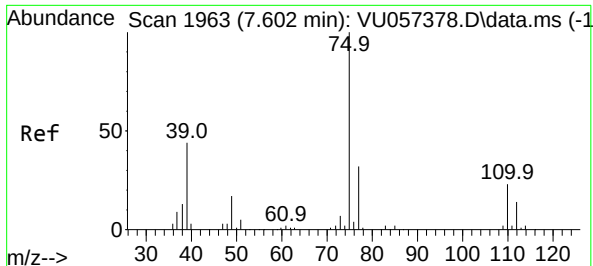
Tgt Ion: 63 Resp: 93299
Ion Ratio Lower Upper
63 100
112 4.6 3.8 5.8



#38
Bromodichloromethane
Concen: 49.345 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion: 83 Resp: 158030
Ion Ratio Lower Upper
83 100
85 63.0 44.7 83.1
127 8.5 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 51.057 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

Instrument :

MSVOA_U

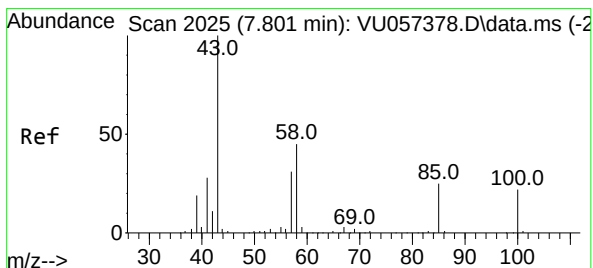
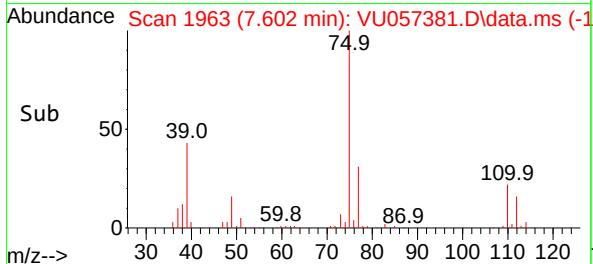
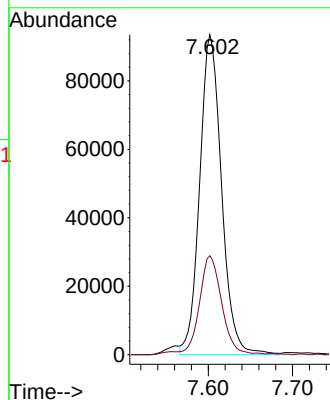
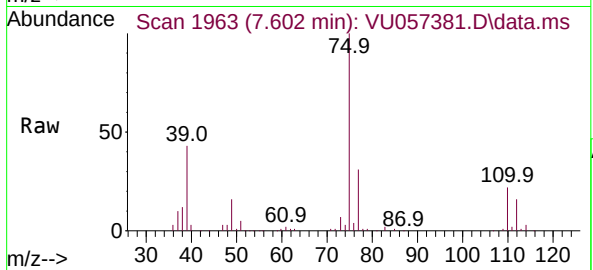
ClientSampleId :

Tgt Ion: 75 Resp: 169022

Ion Ratio Lower Upper

75 100

77 30.9 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 116.071 ug/L

RT: 7.795 min Scan# 2023

Delta R.T. -0.007 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

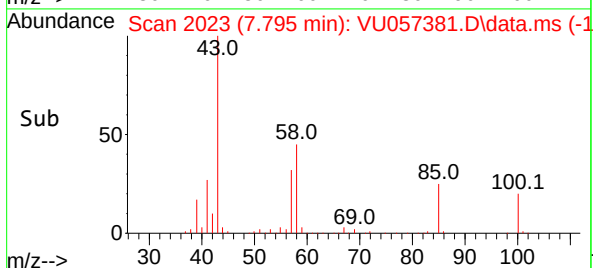
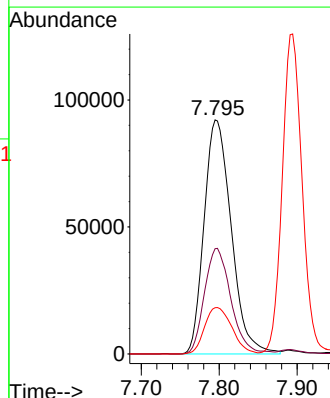
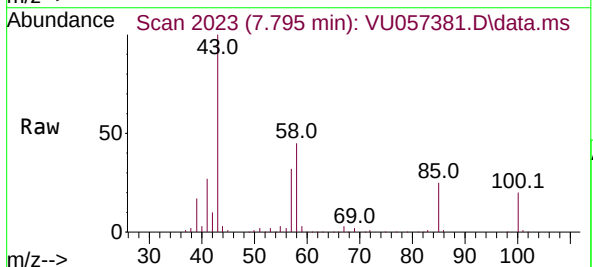
Tgt Ion: 43 Resp: 223583

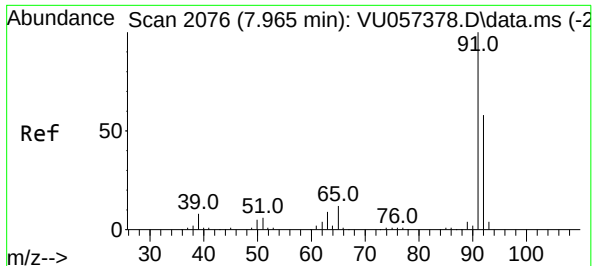
Ion Ratio Lower Upper

43 100

58 44.0 36.2 54.4

100 20.0 16.6 24.8





#42

Toluene

Concen: 49.888 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

Instrument :

MSVOA_U

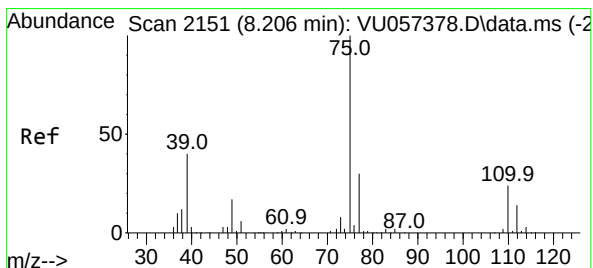
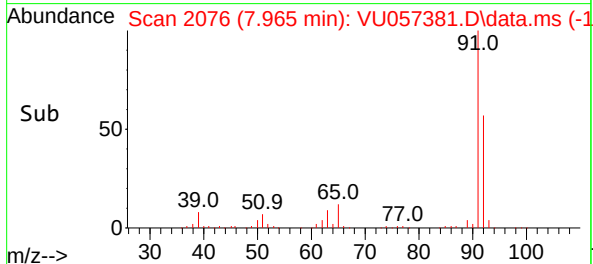
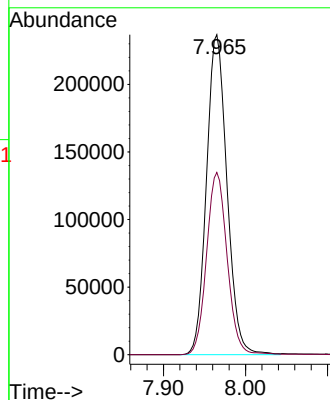
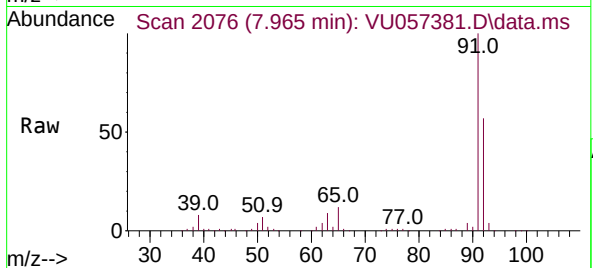
ClientSampleId :

Tgt Ion: 91 Resp: 410976

Ion Ratio Lower Upper

91 100

92 56.9 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 52.336 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU057381.D

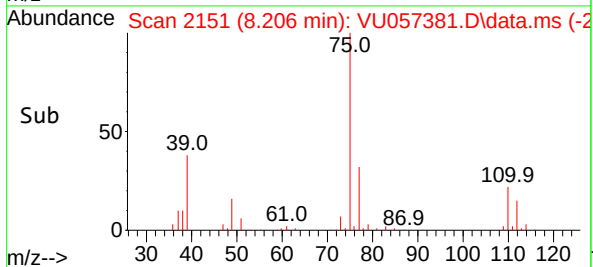
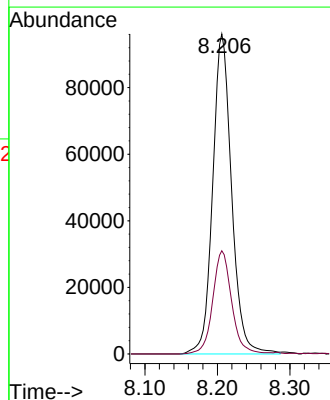
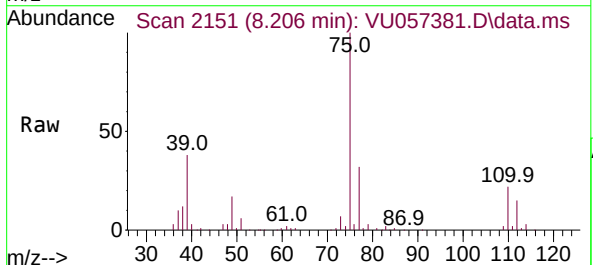
Acq: 08 Jan 2024 13:53

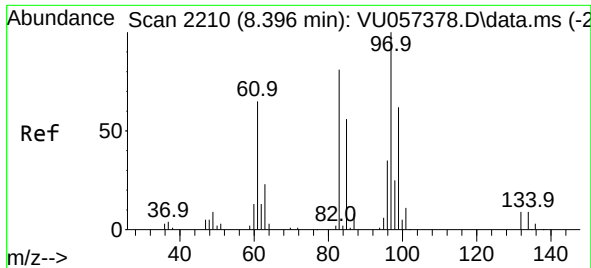
Tgt Ion: 75 Resp: 173938

Ion Ratio Lower Upper

75 100

77 32.3 21.3 39.5



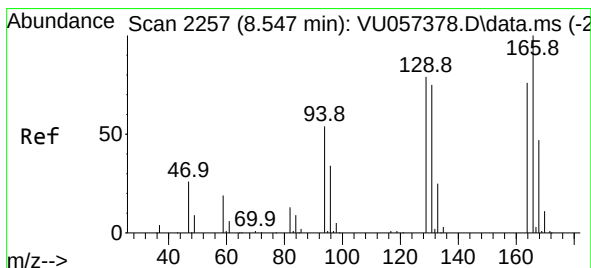
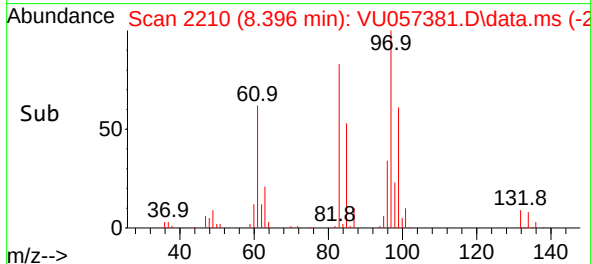
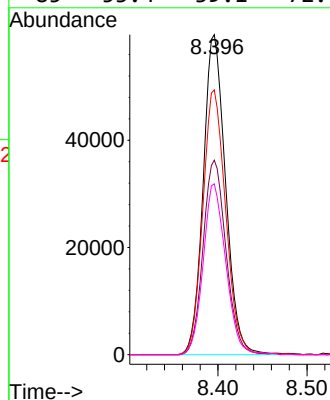
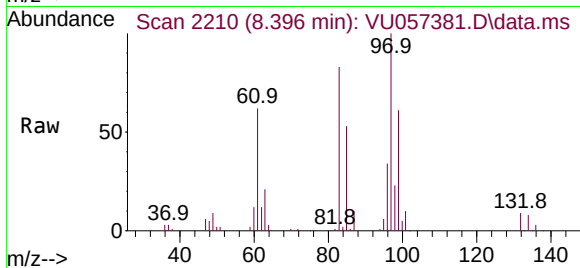


#45
1,1,2-Trichloroethane
Concen: 50.109 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 104234

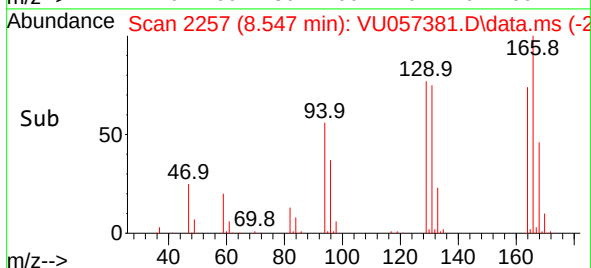
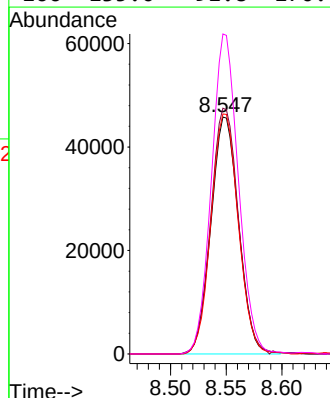
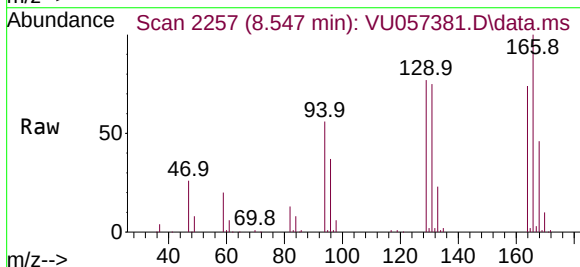
Ion	Ratio	Lower	Upper
97	100		
99	60.8	43.3	80.5
83	82.8	56.9	105.7
85	53.4	39.1	72.7

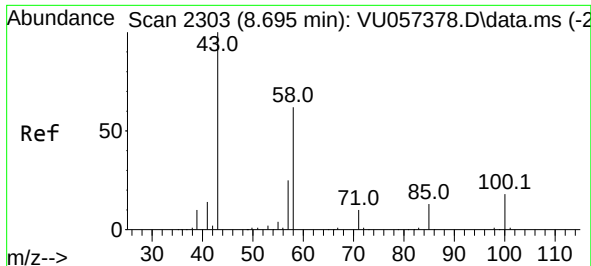


#46
Tetrachloroethene
Concen: 46.781 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion: 164 Resp: 79150

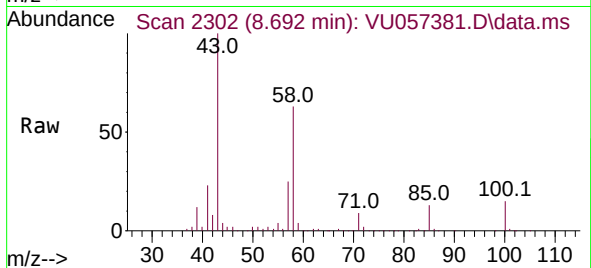
Ion	Ratio	Lower	Upper
164	100		
129	103.7	72.3	134.3
131	101.2	68.8	127.8
166	135.0	91.8	170.4



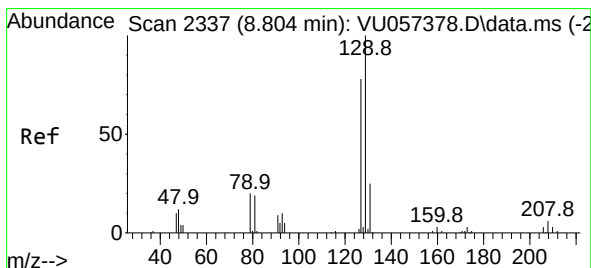
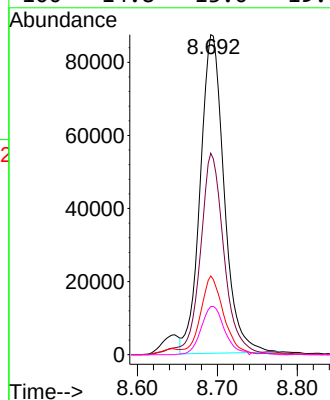
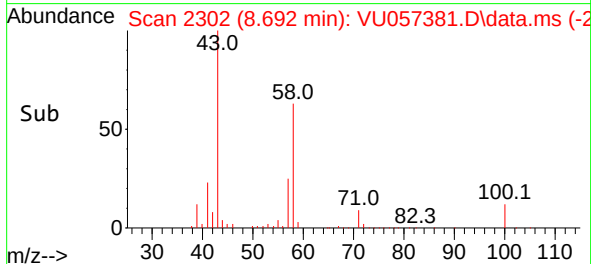


#48
2-Hexanone
Concen: 116.879 ug/L
RT: 8.692 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Instrument :
MSVOA_U
ClientSampleId :

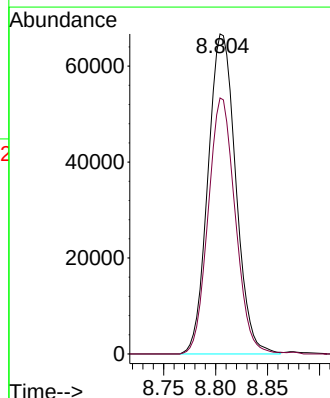
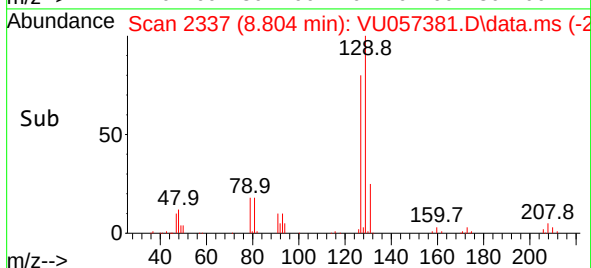
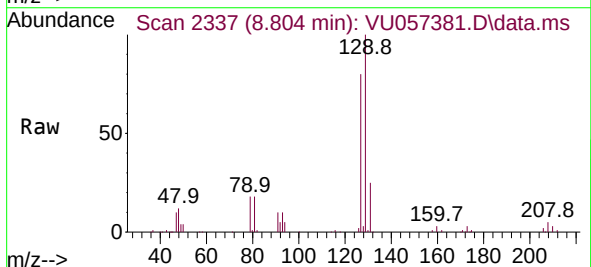


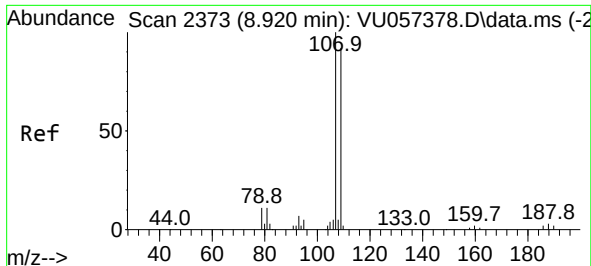
Tgt Ion: 43 Resp: 181131
Ion Ratio Lower Upper
43 100
58 63.4 49.4 74.2
57 23.2 19.1 28.7
100 14.8 13.0 19.6



#49
Dibromochloromethane
Concen: 48.948 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion: 129 Resp: 124084
Ion Ratio Lower Upper
129 100
127 80.0 54.5 101.1





#50

1,2-Dibromoethane

Concen: 52.749 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

Instrument :

MSVOA_U

ClientSampleId :

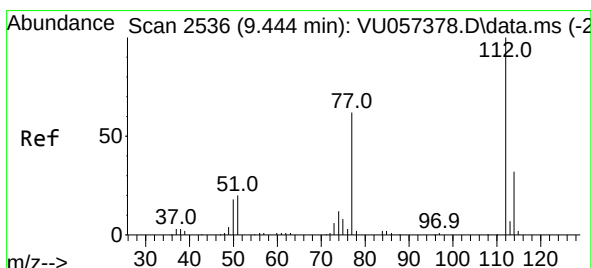
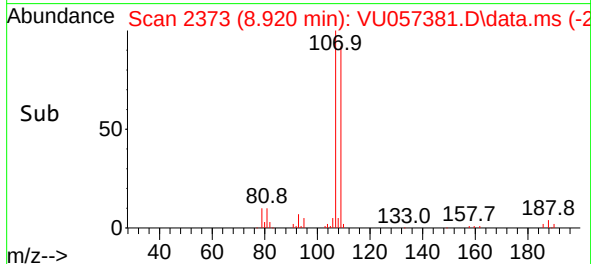
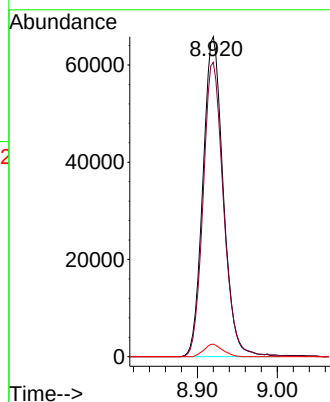
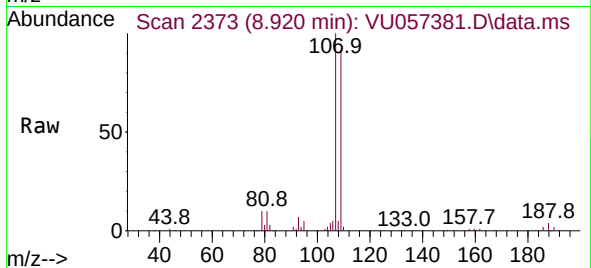
Tgt Ion:107 Resp: 116389

Ion Ratio Lower Upper

107 100

109 92.0 64.4 119.6

188 3.9 2.8 4.2



#51

Chlorobenzene

Concen: 48.778 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

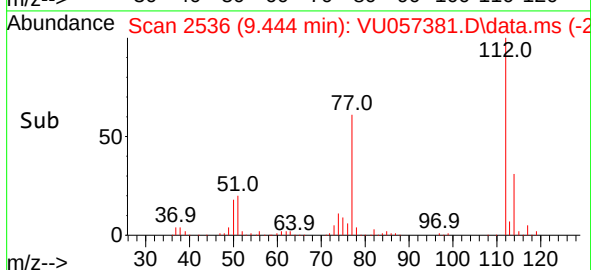
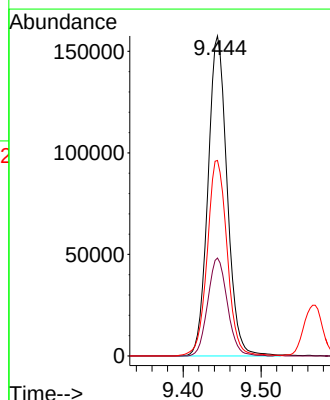
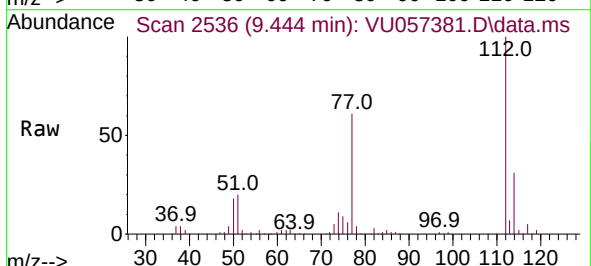
Tgt Ion:112 Resp: 269998

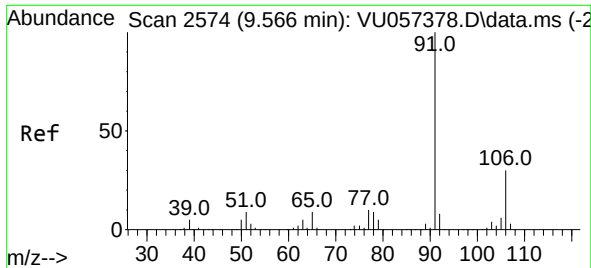
Ion Ratio Lower Upper

112 100

114 30.6 22.5 41.7

77 61.1 50.1 75.1

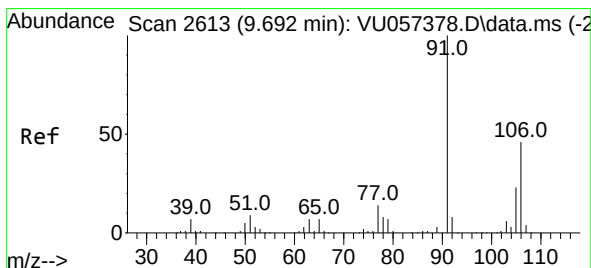
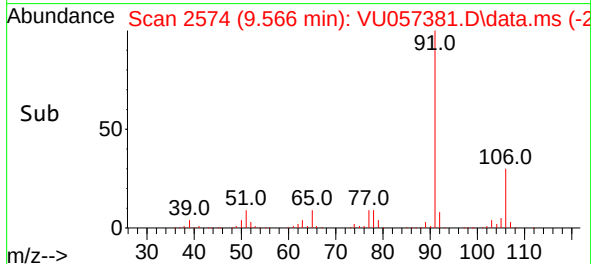
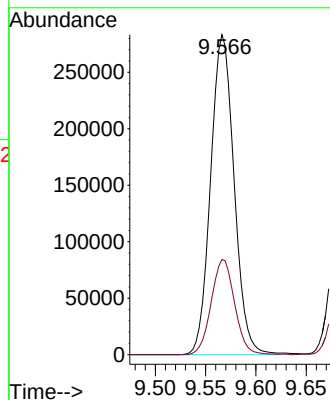
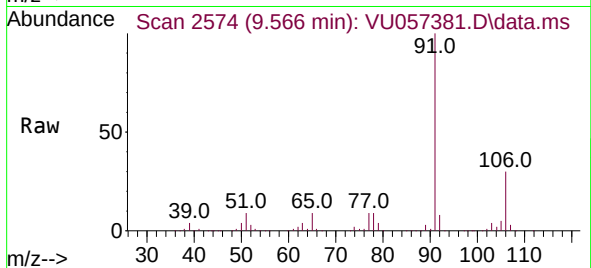




#52
Ethylbenzene
Concen: 50.129 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

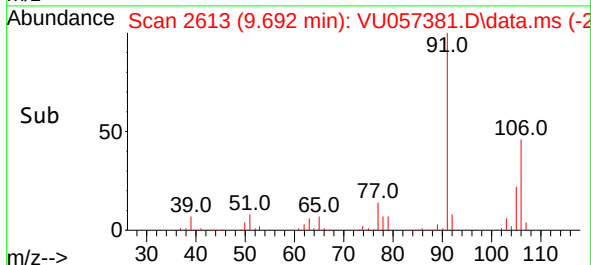
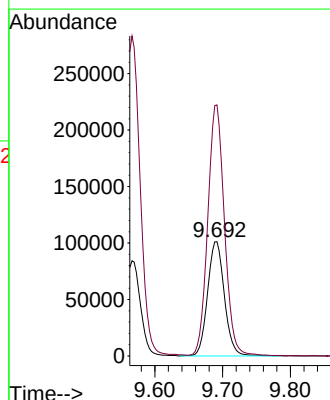
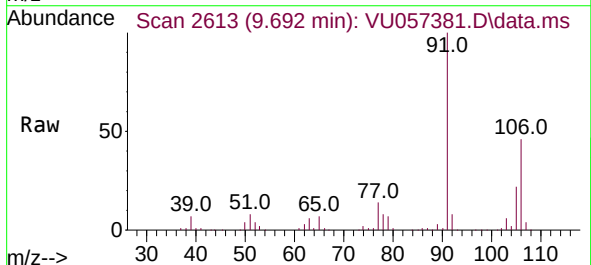
Instrument :
MSVOA_U
ClientSampleId :

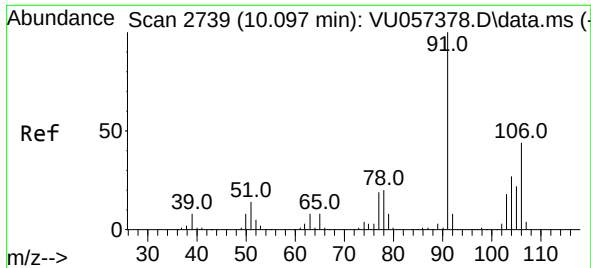
Tgt Ion: 91 Resp: 459851
Ion Ratio Lower Upper
91 100
106 29.7 21.0 39.0



#53
m,p-Xylene
Concen: 50.823 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion:106 Resp: 174280
Ion Ratio Lower Upper
106 100
91 219.8 151.8 281.8

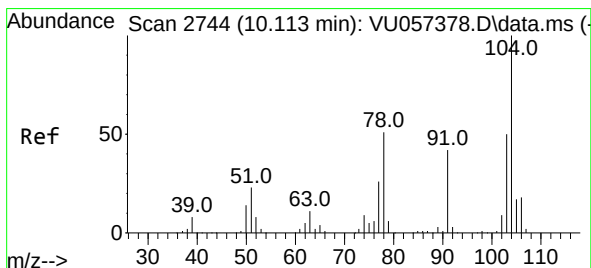
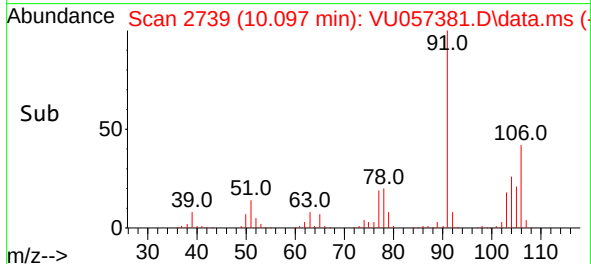
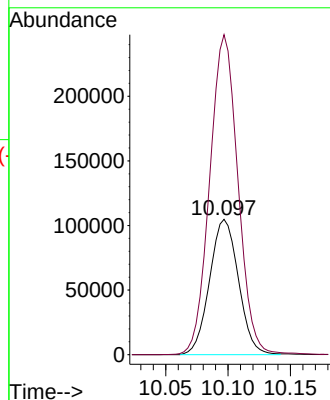
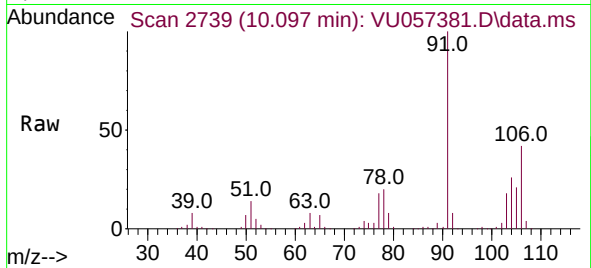




#54
o-Xylene
Concen: 50.504 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

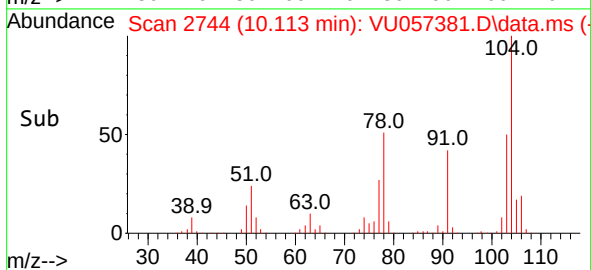
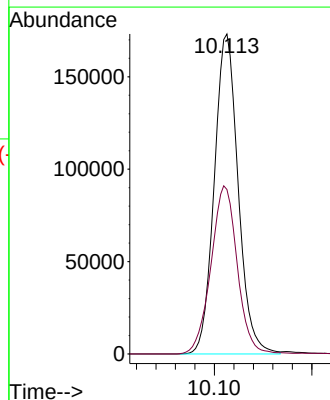
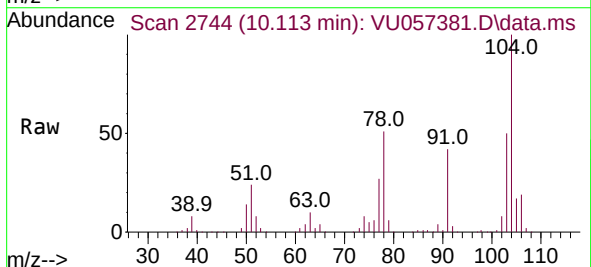
Instrument :
MSVOA_U
ClientSampleId :

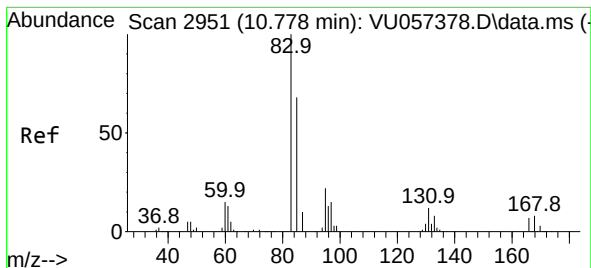
Tgt Ion:106 Resp: 169130
Ion Ratio Lower Upper
106 100
91 236.5 160.4 297.8



#55
Styrene
Concen: 51.933 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion:104 Resp: 294505
Ion Ratio Lower Upper
104 100
78 51.4 35.8 66.6

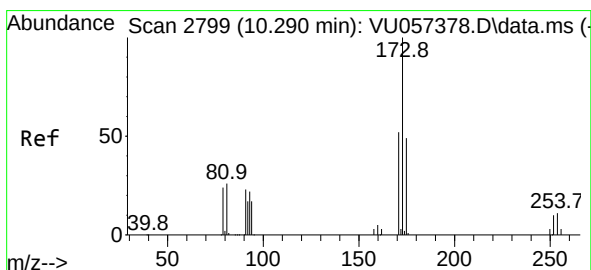
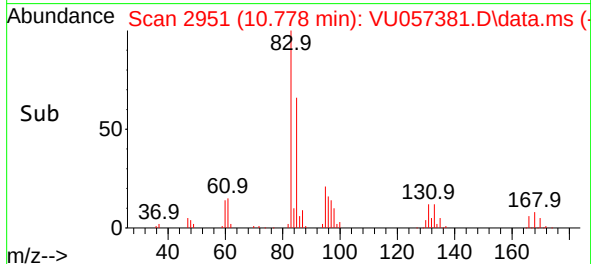
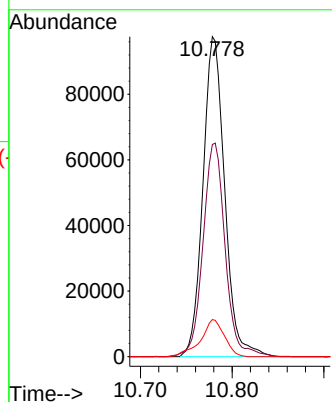
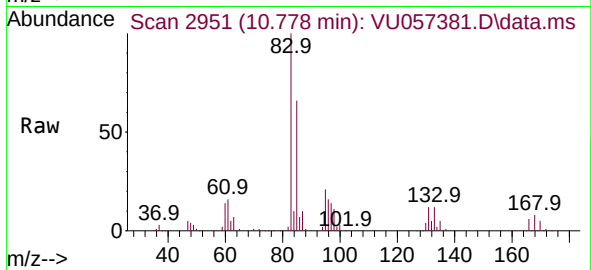




#57
1,1,2,2-Tetrachloroethane
Concen: 51.269 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

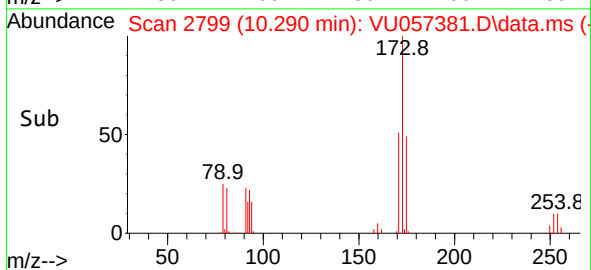
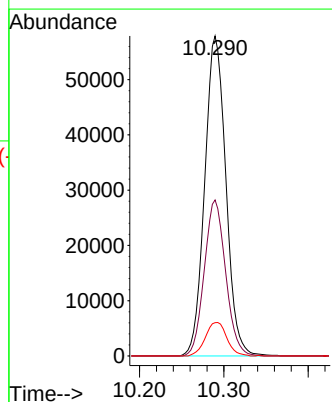
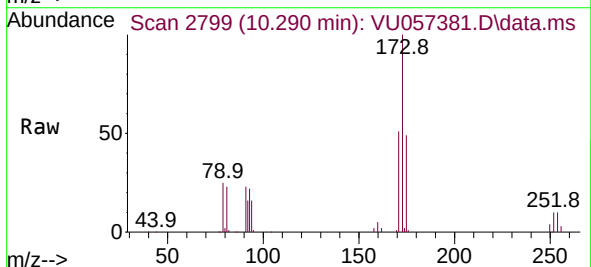
Instrument :
MSVOA_U
ClientSampleId :

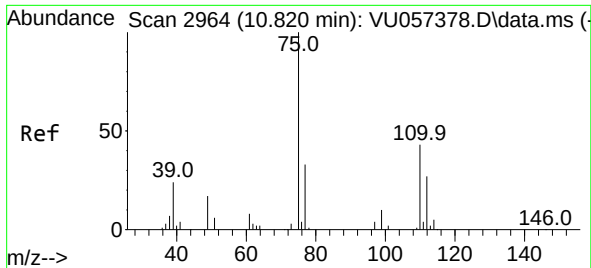
Tgt Ion: 83 Resp: 160808
Ion Ratio Lower Upper
83 100
85 66.3 47.9 88.9
131 11.6 9.8 14.8



#59
Bromoform
Concen: 50.647 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. -0.000 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion: 173 Resp: 101273
Ion Ratio Lower Upper
173 100
175 49.1 38.4 57.6
254 10.6 7.9 11.9

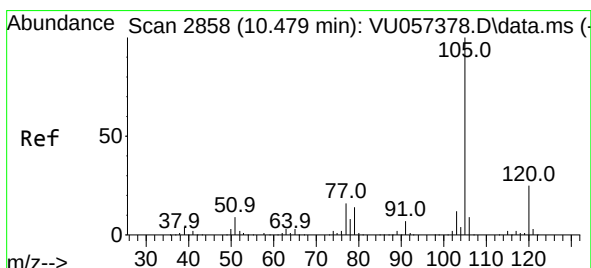
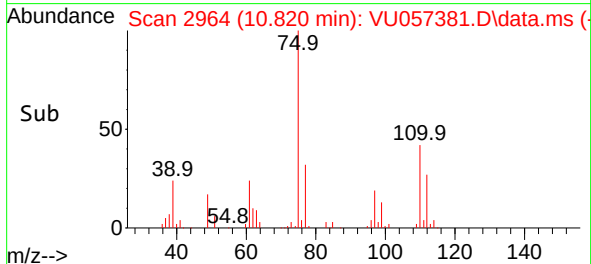
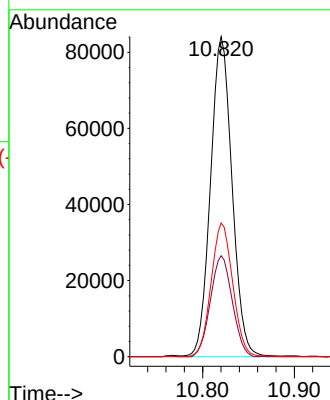
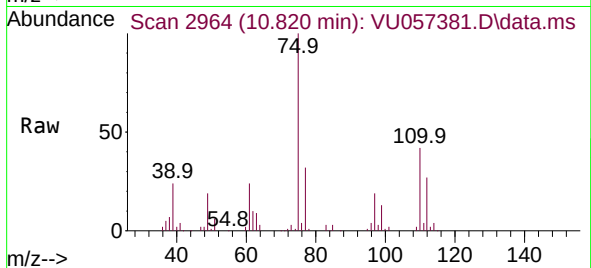




#60
 1,2,3-Trichloropropane
 Concen: 52.461 ug/L
 RT: 10.820 min Scan# 2964
 Delta R.T. -0.000 min
 Lab File: VU057381.D
 Acq: 08 Jan 2024 13:53

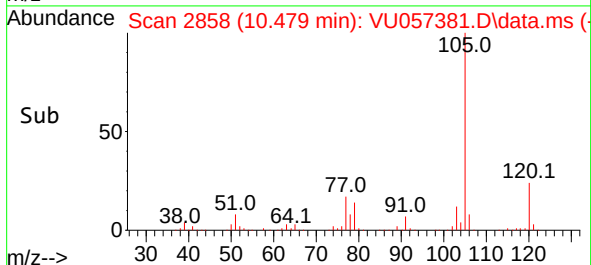
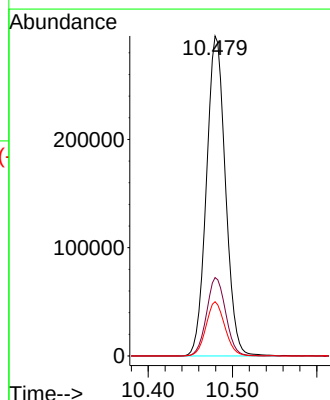
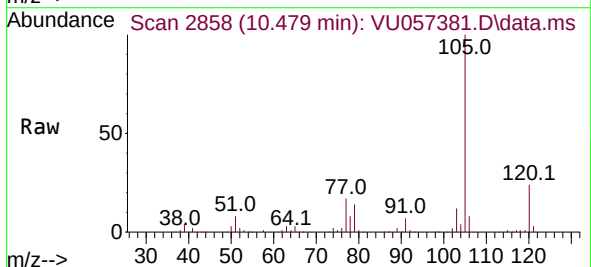
Instrument :
 MSVOA_U
 ClientSampleId :

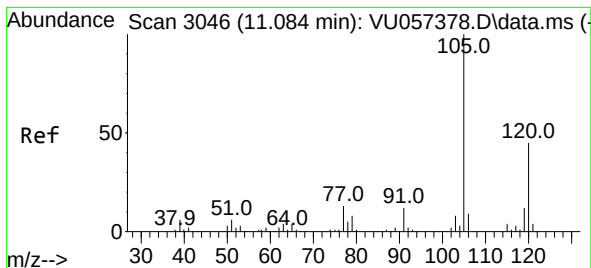
Tgt Ion: 75 Resp: 137036
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.0 39.0
 110 42.0 33.6 50.4



#61
 Isopropylbenzene
 Concen: 51.434 ug/L
 RT: 10.479 min Scan# 2858
 Delta R.T. -0.000 min
 Lab File: VU057381.D
 Acq: 08 Jan 2024 13:53

Tgt Ion: 105 Resp: 464515
 Ion Ratio Lower Upper
 105 100
 120 24.6 19.9 29.9
 77 16.8 13.3 19.9





#62

1,3,5-Trimethylbenzene

Concen: 51.498 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

Instrument :

MSVOA_U

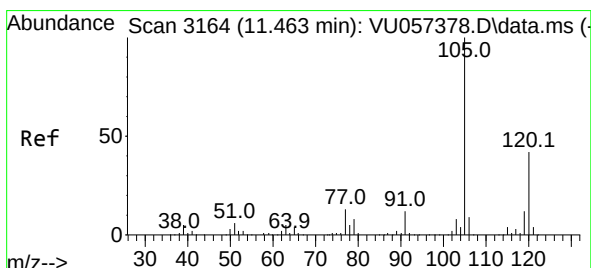
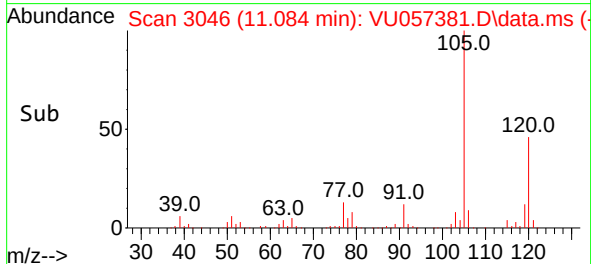
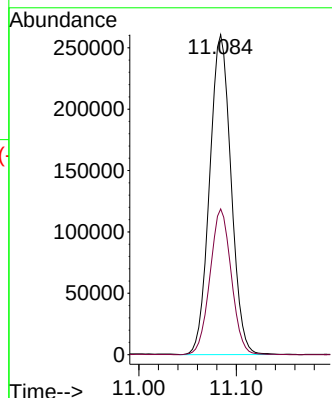
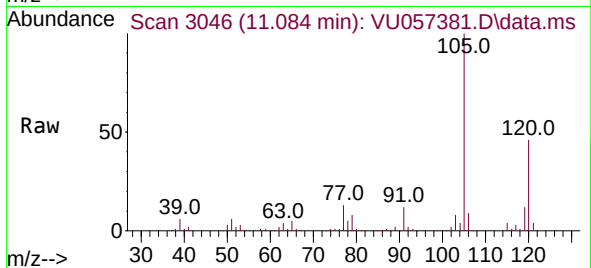
ClientSampleId :

Tgt Ion:105 Resp: 397751

Ion Ratio Lower Upper

105 100

120 45.3 36.1 54.1



#63

1,2,4-Trimethylbenzene

Concen: 53.480 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU057381.D

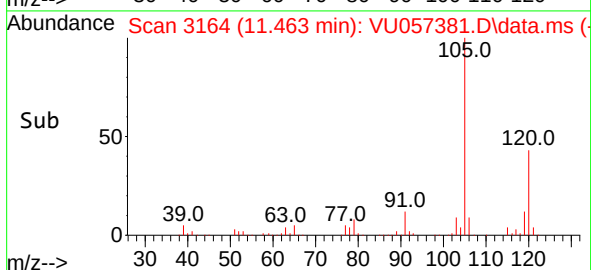
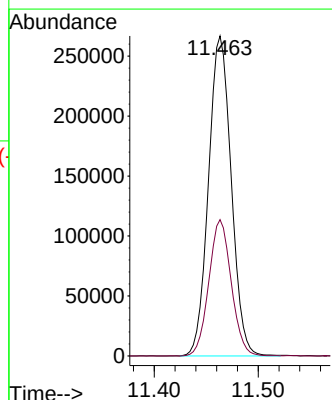
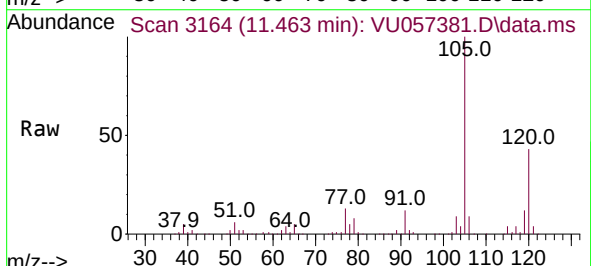
Acq: 08 Jan 2024 13:53

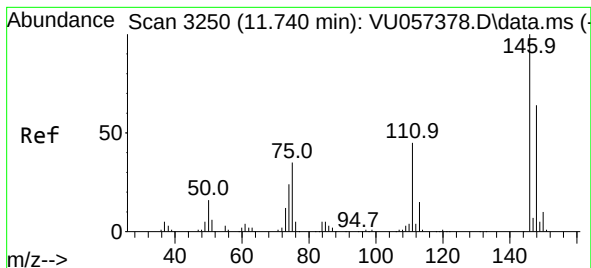
Tgt Ion:105 Resp: 405483

Ion Ratio Lower Upper

105 100

120 42.0 33.4 50.2





#64

1,3-Dichlorobenzene

Concen: 51.484 ug/L

RT: 11.743 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

Instrument :

MSVOA_U

ClientSampleId :

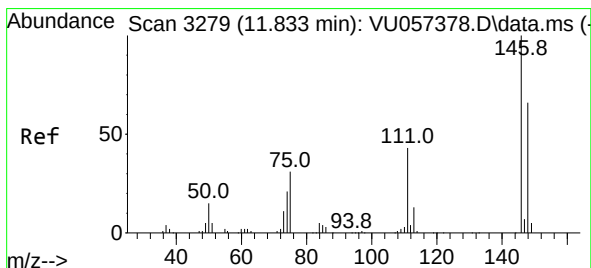
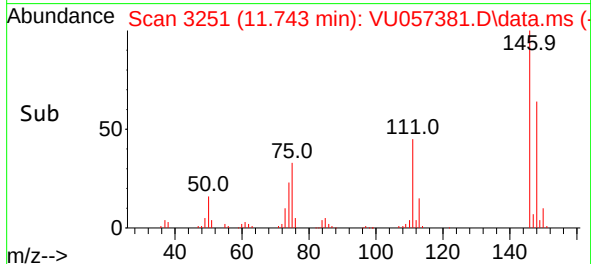
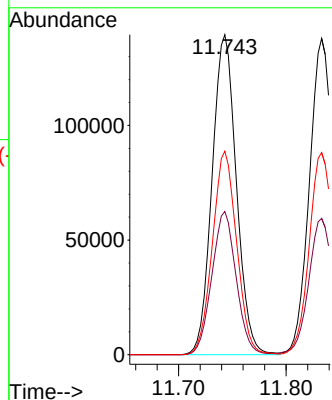
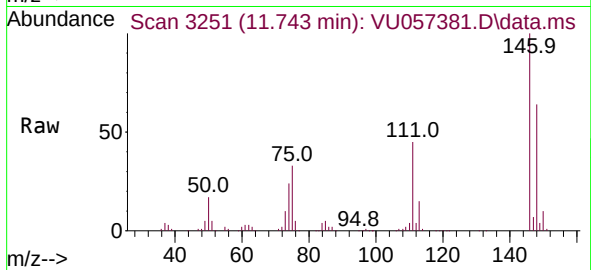
Tgt Ion:146 Resp: 219125

Ion Ratio Lower Upper

146 100

111 44.7 31.6 58.8

148 63.6 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 49.610 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

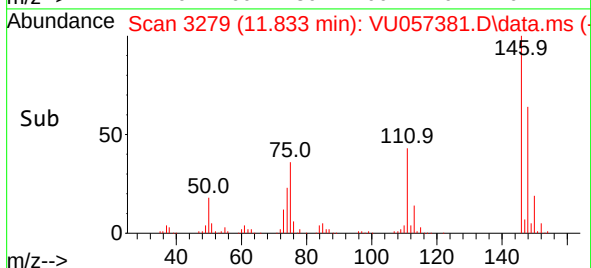
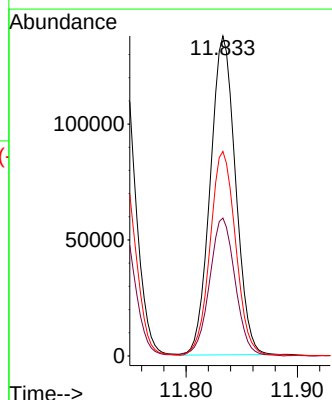
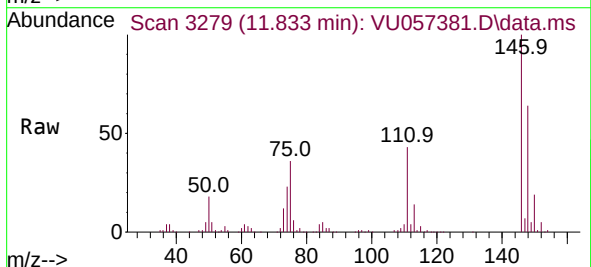
Tgt Ion:146 Resp: 216746

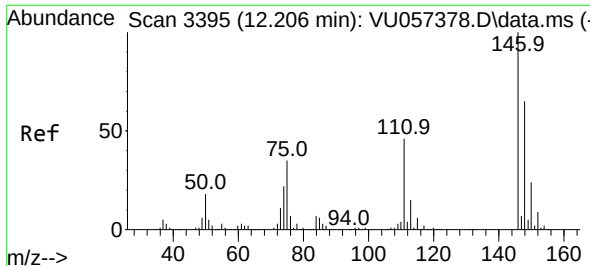
Ion Ratio Lower Upper

146 100

111 43.1 30.3 56.3

148 63.9 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 50.742 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

Instrument :

MSVOA_U

ClientSampleId :

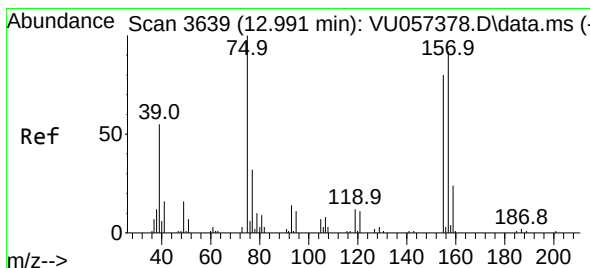
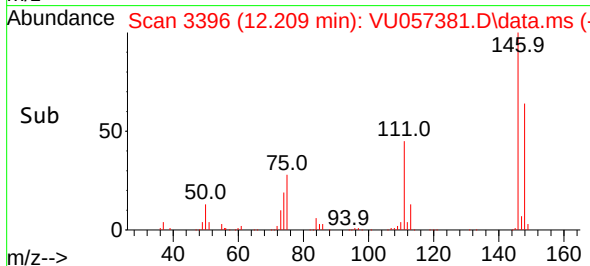
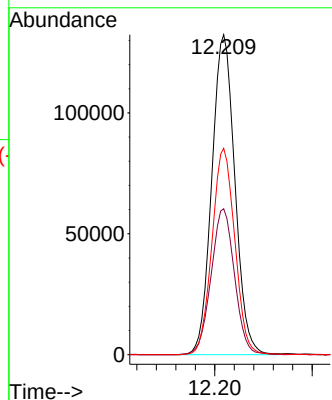
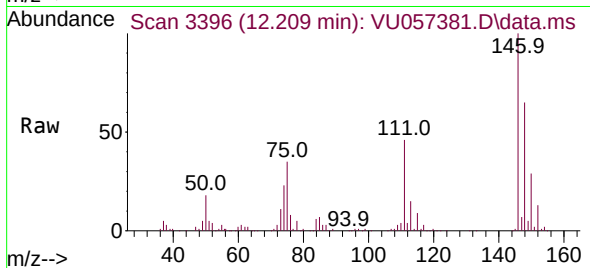
Tgt Ion:146 Resp: 217682

Ion Ratio Lower Upper

146 100

111 45.6 36.9 55.3

148 64.5 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 53.964 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

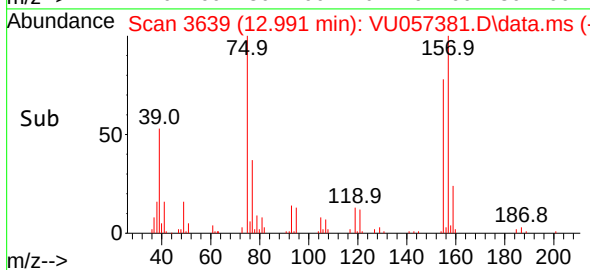
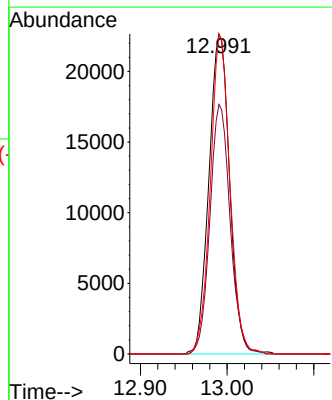
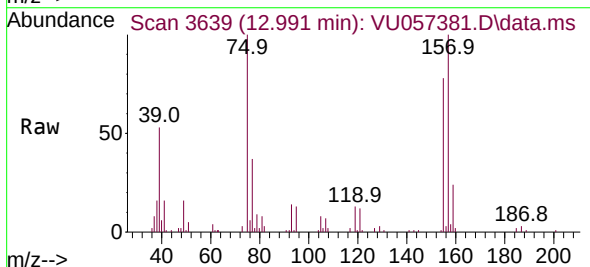
Tgt Ion: 75 Resp: 37639

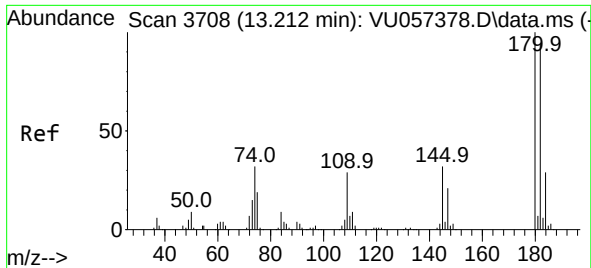
Ion Ratio Lower Upper

75 100

155 78.0 64.3 96.5

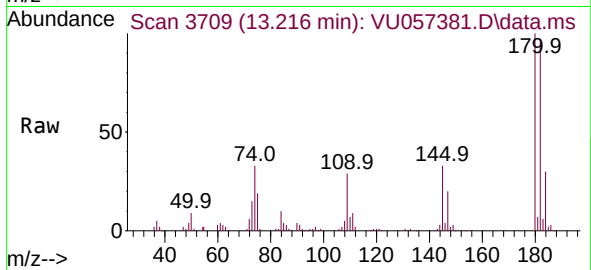
157 100.0 73.8 110.6



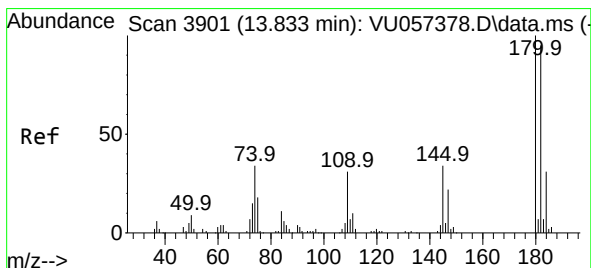
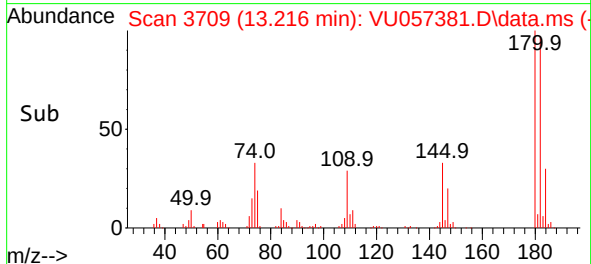
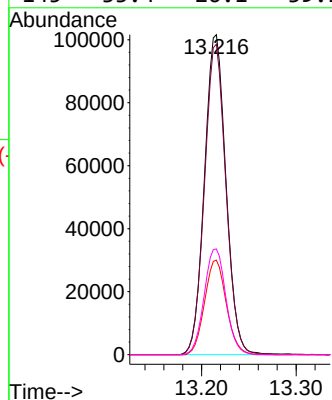


#69
1,3,5-Trichlorobenzene
Concen: 52.769 ug/L
RT: 13.216 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Instrument :
MSVOA_U
ClientSampleId :

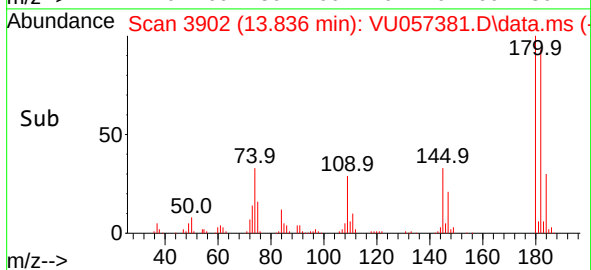
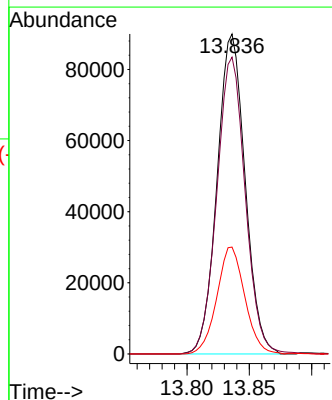
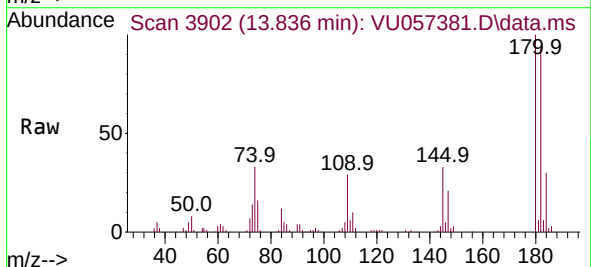


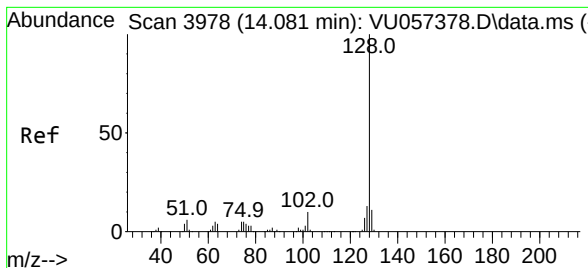
Tgt Ion:180 Resp: 160770
Ion Ratio Lower Upper
180 100
182 96.5 75.6 113.4
184 29.9 23.9 35.9
145 33.4 26.1 39.1



#70
1,2,4-trichlorobenzene
Concen: 60.618 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU057381.D
Acq: 08 Jan 2024 13:53

Tgt Ion:180 Resp: 140608
Ion Ratio Lower Upper
180 100
182 94.1 75.8 113.8
145 33.3 27.4 41.0





#71

Naphthalene

Concen: 72.172 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU057381.D

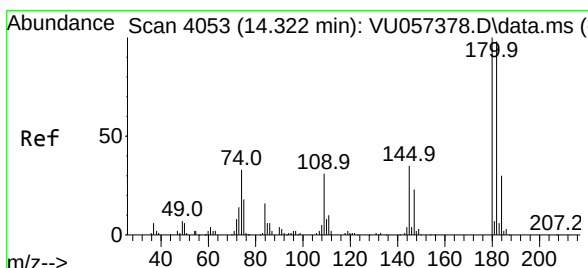
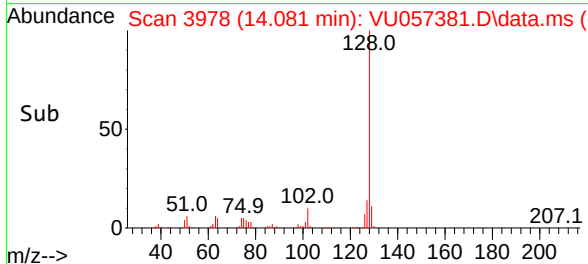
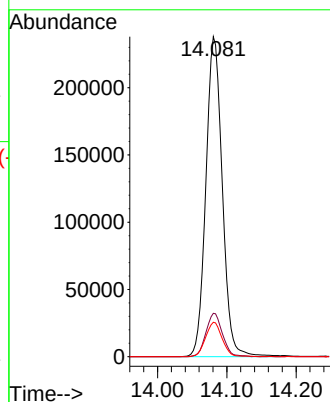
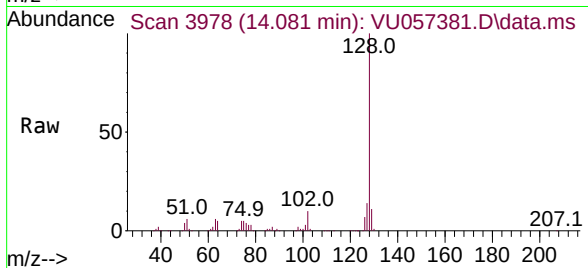
Acq: 08 Jan 2024 13:53

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp: 391167
Ion Ratio	Lower Upper
128 100	
127 13.6	10.2 15.2
129 10.7	8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 62.836 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU057381.D

Acq: 08 Jan 2024 13:53

Tgt Ion:180	Resp: 137837
Ion Ratio	Lower Upper
180 100	
182 95.4	77.5 116.3
145 36.3	28.2 42.4

