

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011824\
 Data File : VU057563.D
 Acq On : 18 Jan 2024 17:06
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 19 01:56:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM011824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 01:50:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	590033	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	588123	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	267281	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	208310	35.158	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.320%		
7) Chloroethane-d5	1.914	69	159585	34.854	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	69.700%#		
11) 1,1-Dichloroethene-d2	2.563	63	456854	42.768	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.540%		
21) 2-Butanone-d5	4.627	46	293286	115.473	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	115.470%		
24) Chloroform-d	5.055	84	467285	51.338	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.680%		
26) 1,2-Dichloroethane-d4	5.692	65	242617	42.984	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.960%		
32) Benzene-d6	5.721	84	733847	44.861	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.720%		
36) 1,2-Dichloropropane-d6	6.682	67	290190	47.912	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.820%		
41) Toluene-d8	7.891	98	808735	48.232	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.460%		
43) trans-1,3-Dichloroprop...	8.174	79	139524	46.289	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.580%		
47) 2-Hexanone-d5	8.643	63	148391	74.864	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	74.860%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	406825	51.403	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.800%		
66) 1,2-Dichlorobenzene-d4	12.190	152	268749	51.738	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.480%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	307300	39.899	ug/L	99
3) Chloromethane	1.518	50	263637	35.242	ug/L	98
5) Vinyl chloride	1.605	62	253868	35.972	ug/L	100
6) Bromomethane	1.859	94	119125	37.224	ug/L	99
8) Chloroethane	1.933	64	143435	35.870	ug/L	99
9) Trichlorofluoromethane	2.132	101	345404	39.980	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	232667	42.497	ug/L	99
12) 1,1-Dichloroethene	2.573	96	215946	44.193	ug/L	96
13) Acetone	2.640	43	314229	79.448	ug/L	100
14) Carbon disulfide	2.788	76	702188	40.867	ug/L	100
15) Methyl Acetate	2.946	43	241675	45.529	ug/L	99
16) Methylene chloride	3.039	84	252017	41.720	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	220436	42.966	ug/L	98
18) Methyl tert-butyl Ether	3.354	73	699473	44.314	ug/L	99
19) 1,1-Dichloroethane	3.859	63	448184	52.108	ug/L	99
20) cis-1,2-Dichloroethene	4.656	96	241240	55.446	ug/L	99
22) 2-Butanone	4.711	43	360631	113.002	ug/L	99
23) Bromochloromethane	4.965	128	120787	51.819	ug/L	98
25) Chloroform	5.078	83	463627	52.709	ug/L	99

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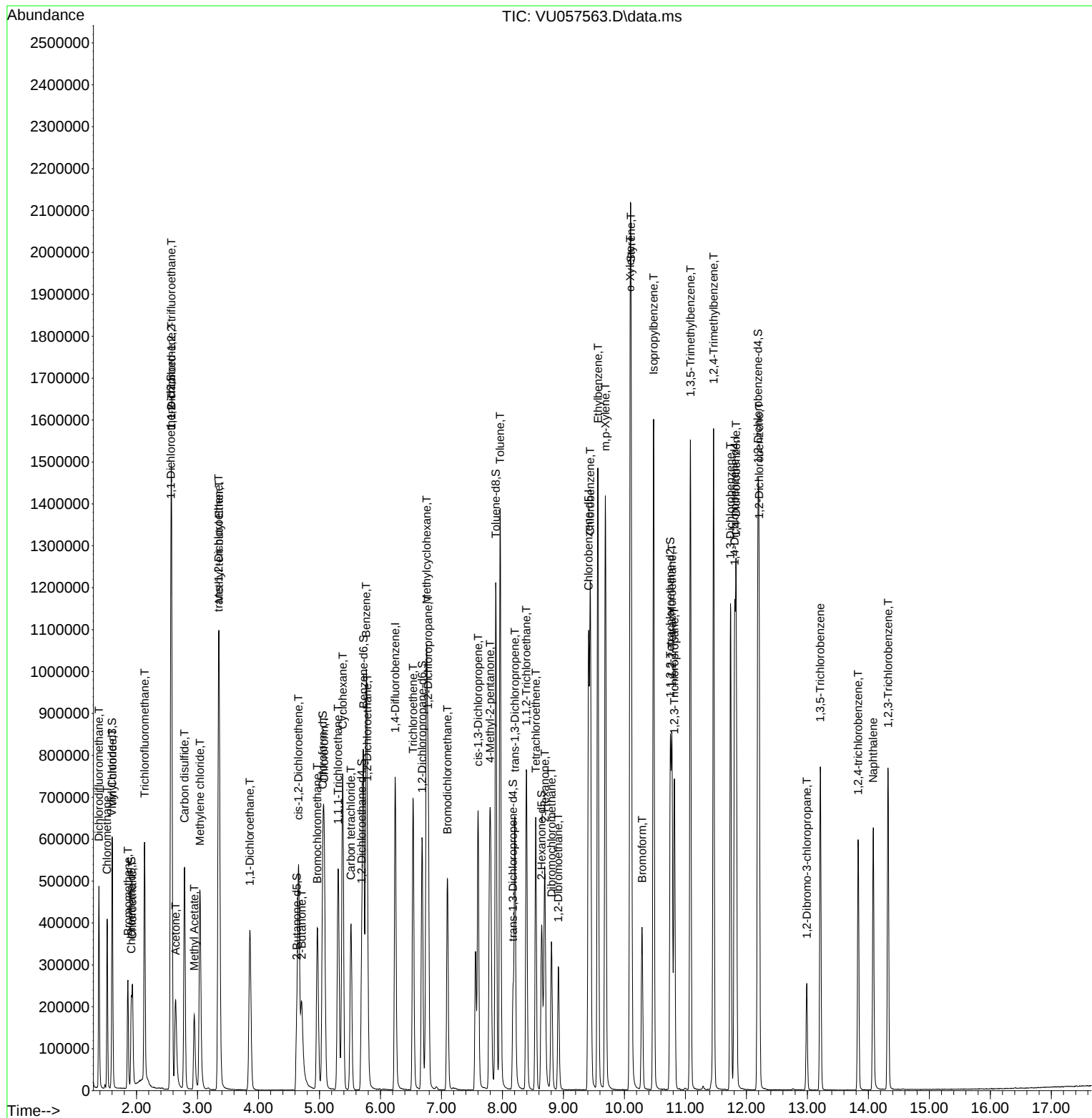
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	303081	42.829	ug/L	99
29) Cyclohexane	5.380	56	368144	58.877	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	389257	55.225	ug/L	99
31) Carbon tetrachloride	5.515	117	261348	45.701	ug/L	99
33) Benzene	5.766	78	792922	45.886	ug/L	100
34) Trichloroethene	6.534	95	249522	49.026	ug/L	98
35) Methylcyclohexane	6.756	83	379430	48.177	ug/L	99
37) 1,2-Dichloropropane	6.782	63	271038	47.946	ug/L #	89
38) Bromodichloromethane	7.097	83	336694	46.789	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	406396	49.634	ug/L	99
40) 4-Methyl-2-pentanone	7.798	43	652025	102.477	ug/L	99
42) Toluene	7.962	91	1015637	46.966	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	381822	45.539	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	241396	44.850	ug/L	99
46) Tetrachloroethene	8.547	164	127865	35.184	ug/L	98
48) 2-Hexanone	8.695	43	403218	73.120	ug/L	97
49) Dibromochloromethane	8.804	129	186645	34.695	ug/L	93
50) 1,2-Dibromoethane	8.917	107	198076	35.518	ug/L	98
51) Chlorobenzene	9.441	112	628249	49.608	ug/L	99
52) Ethylbenzene	9.566	91	1088133	51.446	ug/L	99
53) m,p-Xylene	9.688	106	398566	51.229	ug/L	97
54) o-Xylene	10.097	106	388739	52.018	ug/L	100
55) Styrene	10.110	104	662075	52.914	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	414121	51.353	ug/L	98
59) Bromoform	10.290	173	177225	45.998	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	319174	47.995	ug/L	99
61) Isopropylbenzene	10.479	105	1012128	48.784	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	845100	54.198	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	852377	53.863	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	444008	50.385	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	439858	48.950	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	429936	51.739	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.990	75	64849	47.103	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	217601	36.364	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	166971	36.050	ug/L	99
71) Naphthalene	14.080	128	468615	42.801	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	217410	51.820	ug/L	98

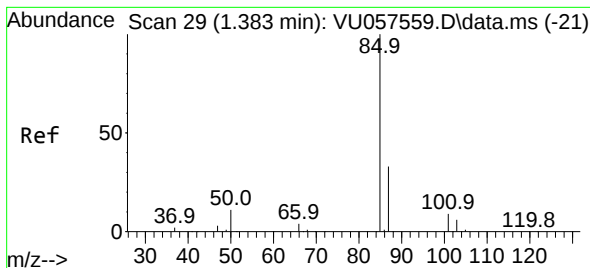
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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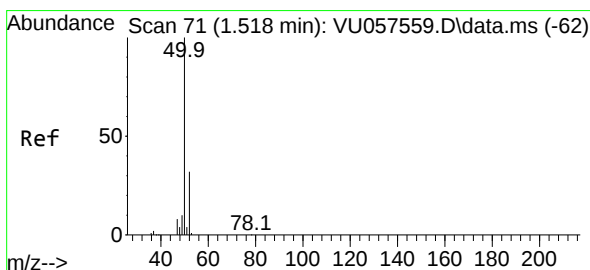
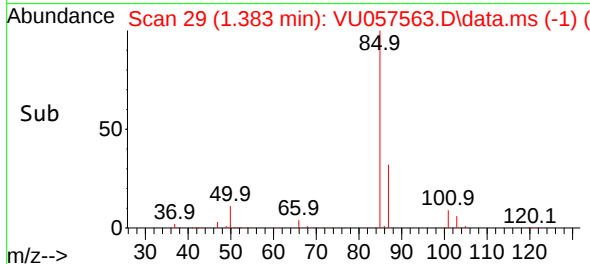
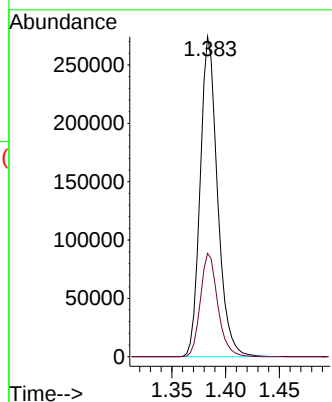
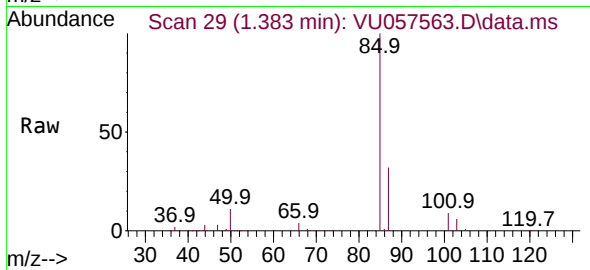




#2
 Dichlorodifluoromethane
 Concen: 39.899 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU057563.D
 Acq: 18 Jan 2024 17:06

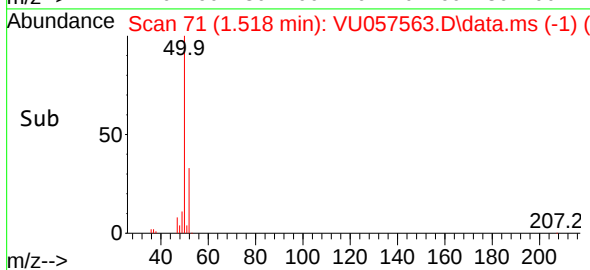
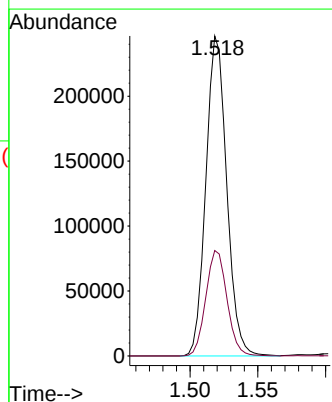
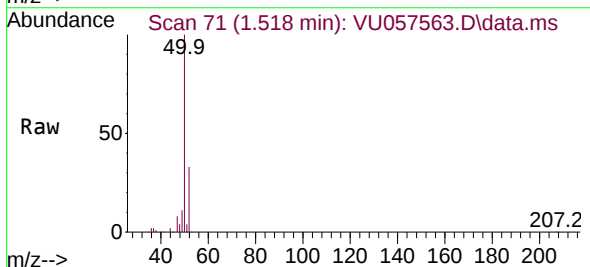
Instrument :
 MSVOA_U
 ClientSampleId :

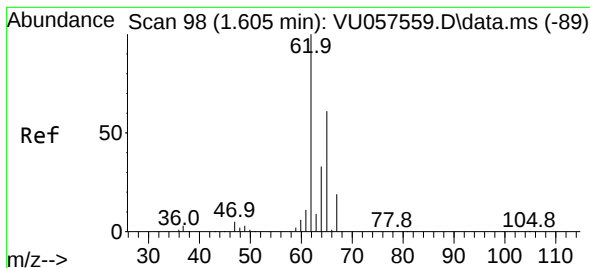
Tgt Ion: 85 Resp: 307300
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.2 39.2



#3
 Chloromethane
 Concen: 35.242 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057563.D
 Acq: 18 Jan 2024 17:06

Tgt Ion: 50 Resp: 263637
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.5 41.7





#5

Vinyl chloride

Concen: 35.972 ug/L

RT: 1.605 min Scan# 98

Delta R.T. -0.000 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

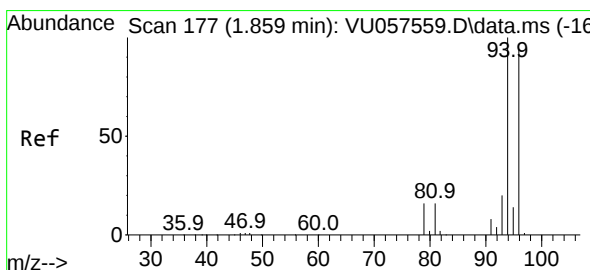
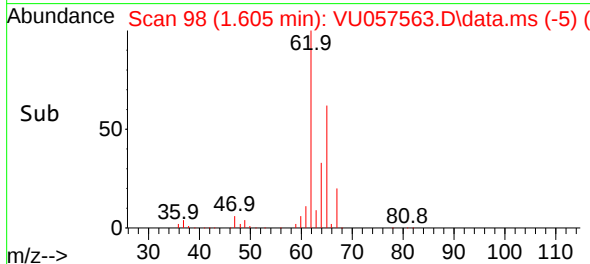
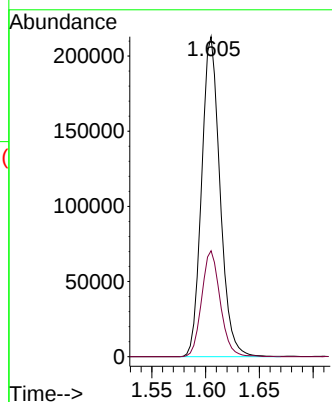
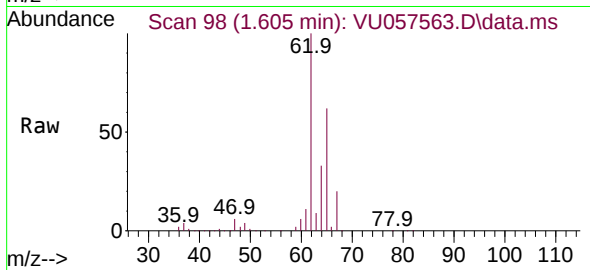
ClientSampleId :

Tgt Ion: 62 Resp: 253868

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.2



#6

Bromomethane

Concen: 37.224 ug/L

RT: 1.859 min Scan# 177

Delta R.T. -0.000 min

Lab File: VU057563.D

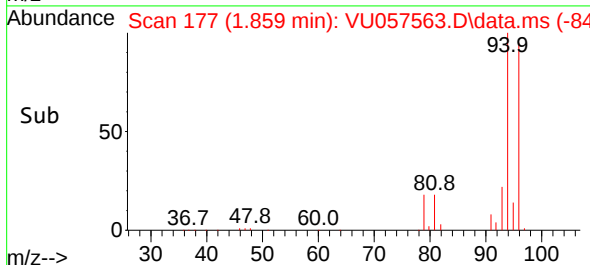
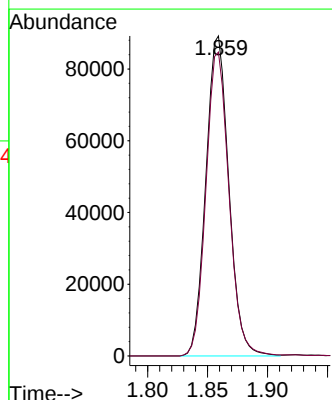
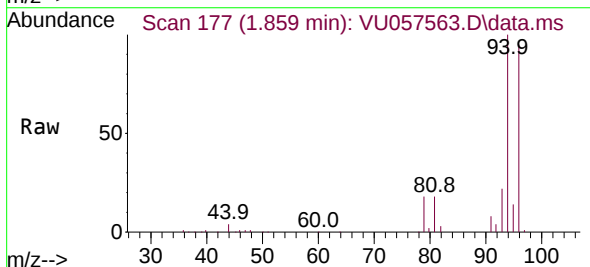
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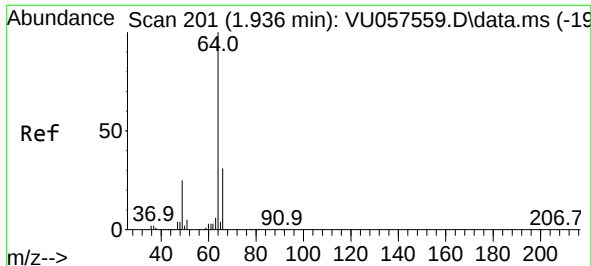
Tgt Ion: 94 Resp: 119125

Ion Ratio Lower Upper

94 100

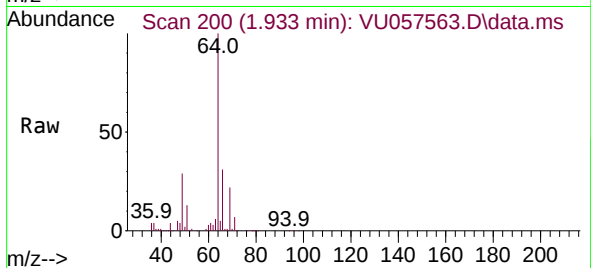
96 95.0 65.8 122.2



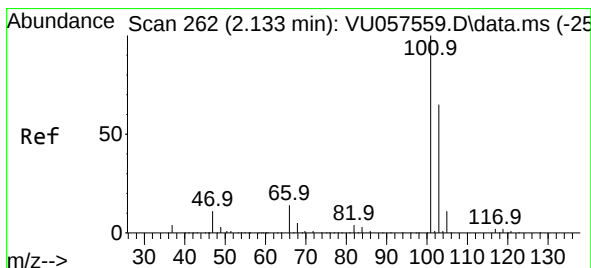
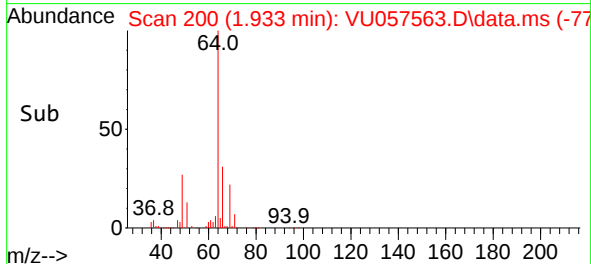
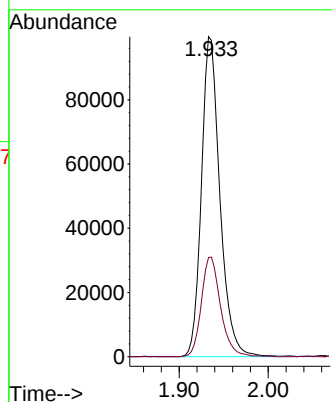


#8
Chloroethane
Concen: 35.870 ug/L
RT: 1.933 min Scan# 201
Delta R.T. -0.003 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

Instrument :
MSVOA_U
ClientSampleId :

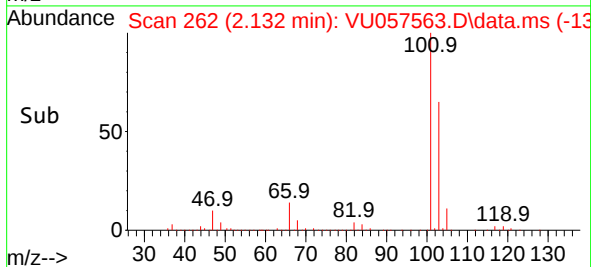
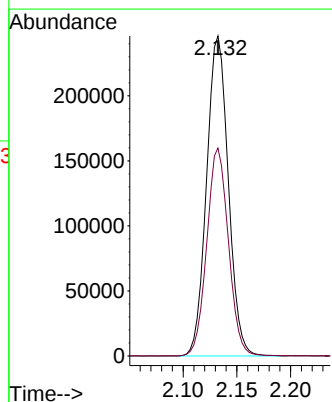
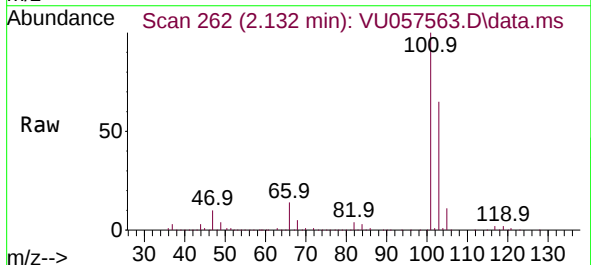


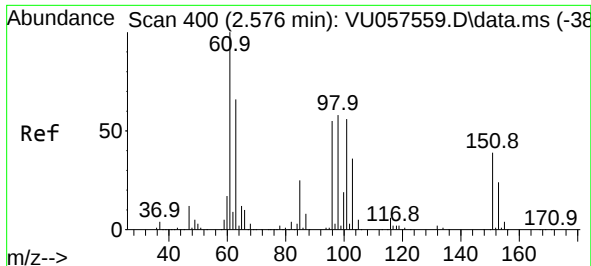
Tgt Ion: 64 Resp: 143435
Ion Ratio Lower Upper
64 100
66 31.0 21.9 40.7



#9
Trichlorofluoromethane
Concen: 39.980 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

Tgt Ion: 101 Resp: 345404
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.6

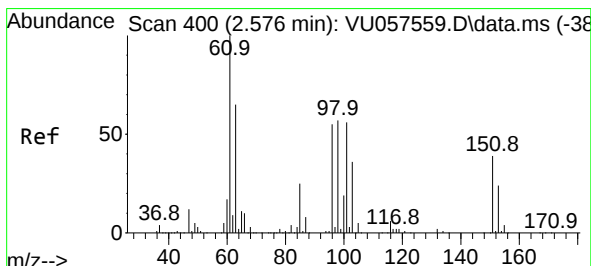
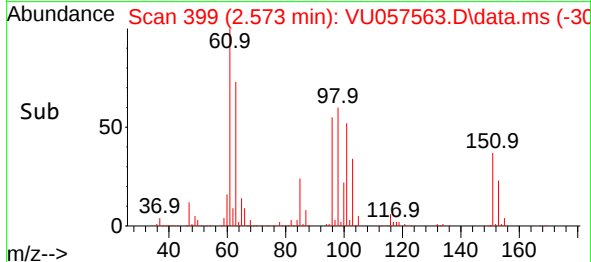
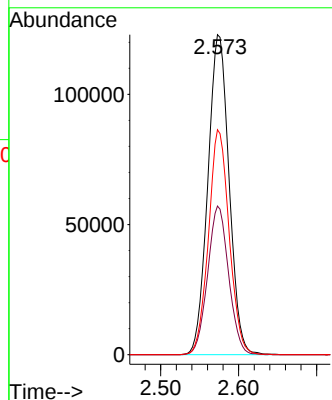
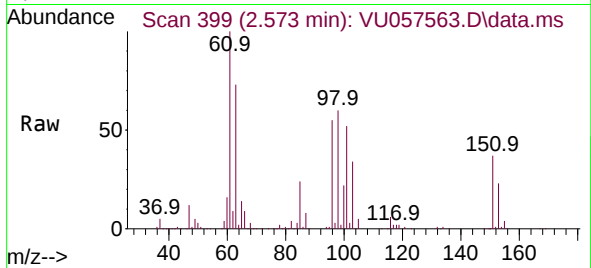




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.497 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU057563.D
 Acq: 18 Jan 2024 17:06

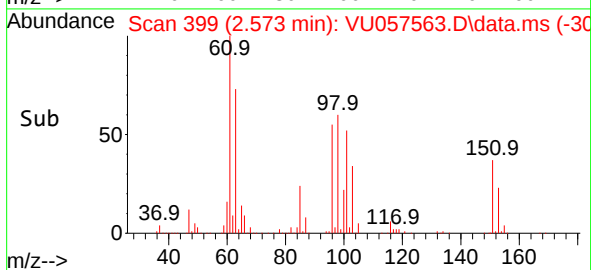
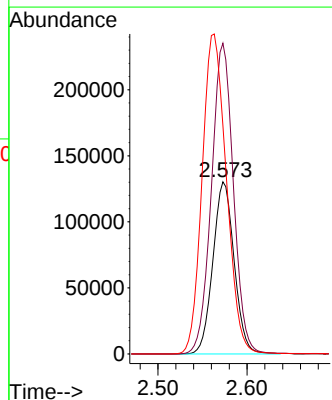
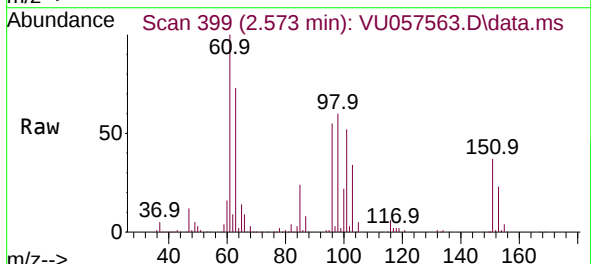
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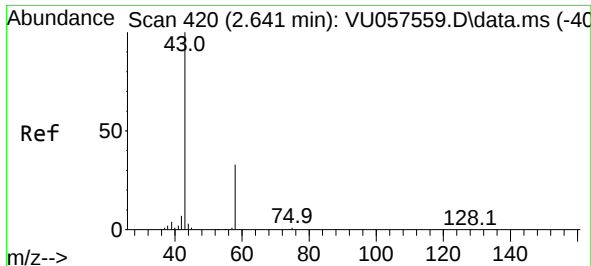
Tgt Ion:101 Resp: 232667
 Ion Ratio Lower Upper
 101 100
 85 46.0 36.0 54.0
 151 68.6 55.8 83.8



#12
 1,1-Dichloroethene
 Concen: 44.193 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU057563.D
 Acq: 18 Jan 2024 17:06

Tgt Ion: 96 Resp: 215946
 Ion Ratio Lower Upper
 96 100
 61 180.5 127.7 237.1
 63 132.7 86.1 159.9





#13

Acetone

Concen: 79.448 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

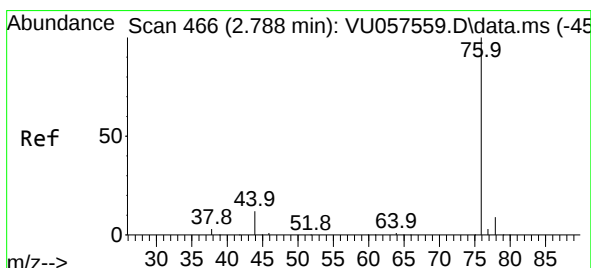
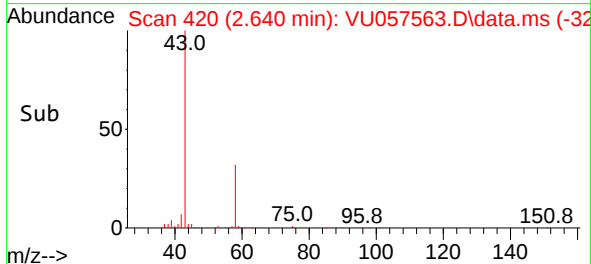
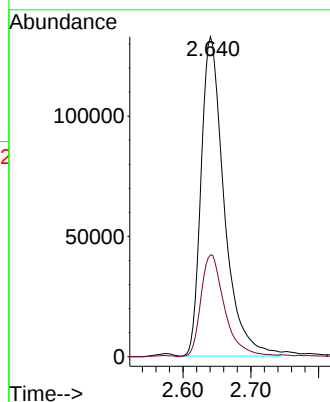
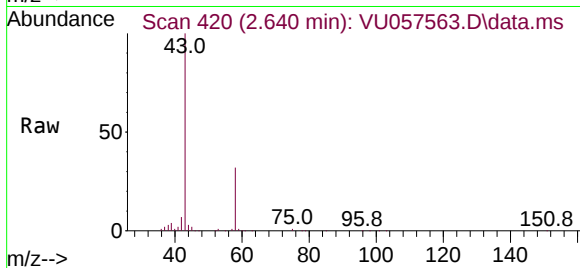
ClientSampleId :

Tgt Ion: 43 Resp: 314229

Ion Ratio Lower Upper

43 100

58 32.7 0.0 65.6



#14

Carbon disulfide

Concen: 40.867 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

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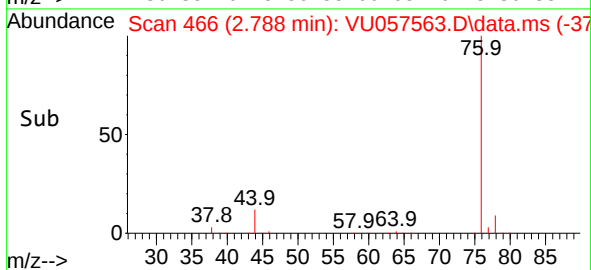
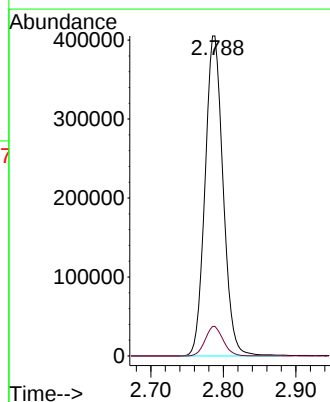
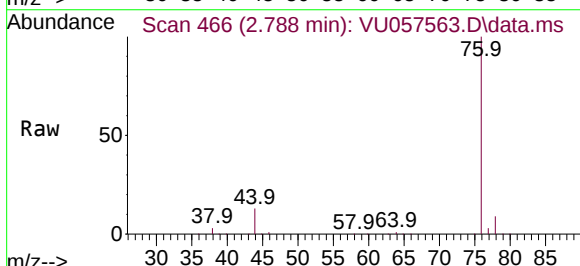
Acq: 18 Jan 2024 17:06

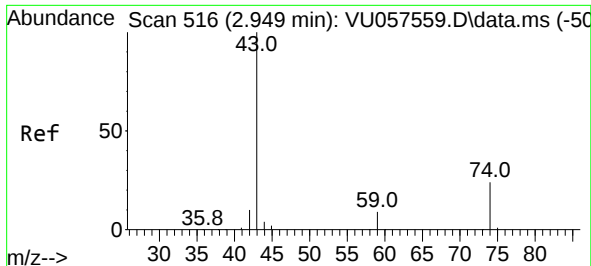
Tgt Ion: 76 Resp: 702188

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

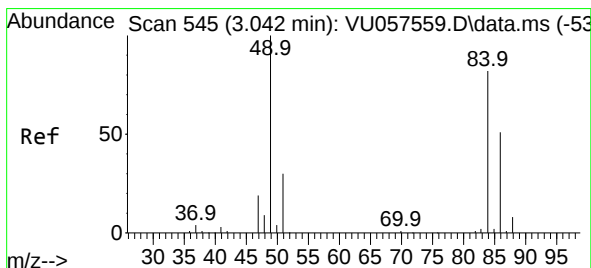
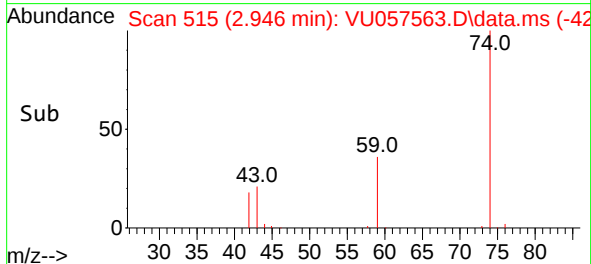
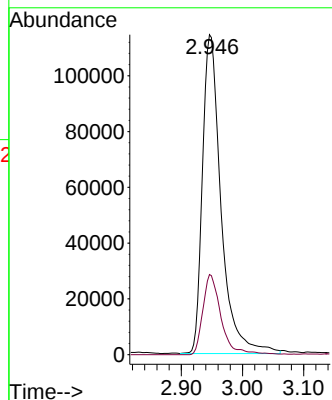
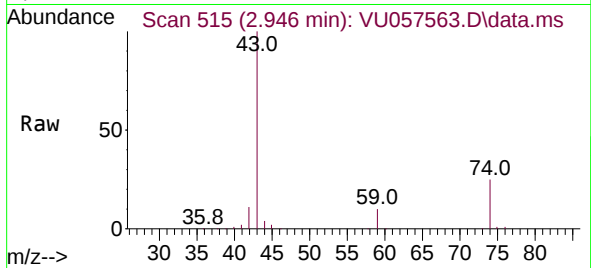




#15
Methyl Acetate
Concen: 45.529 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

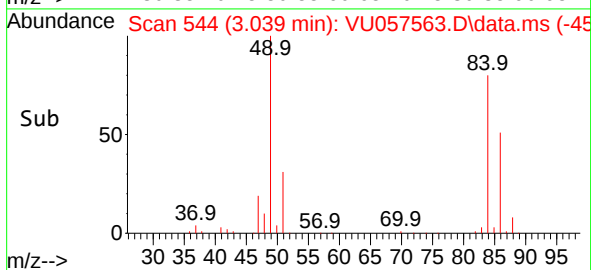
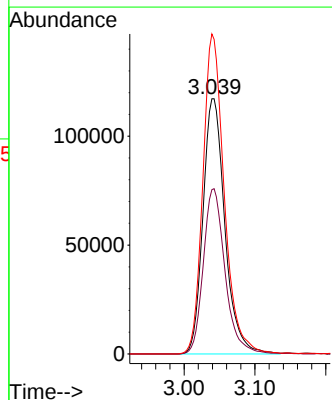
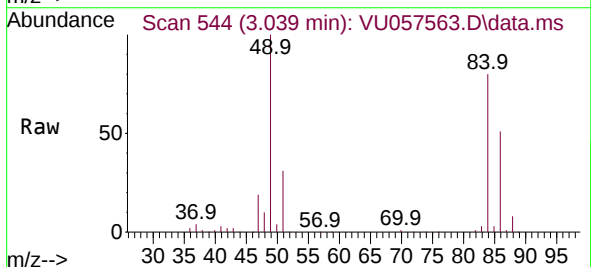
Instrument :
MSVOA_U
ClientSampleId :

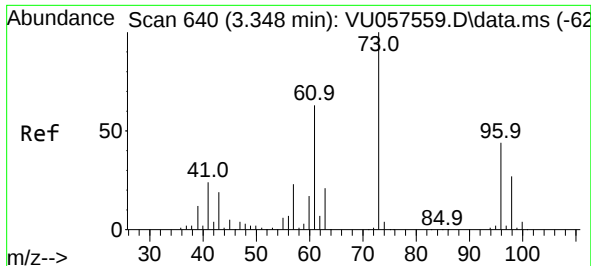
Tgt Ion: 43 Resp: 241675
Ion Ratio Lower Upper
43 100
74 23.4 19.0 28.6



#16
Methylene chloride
Concen: 41.720 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

Tgt Ion: 84 Resp: 252017
Ion Ratio Lower Upper
84 100
86 64.3 43.5 80.7
49 125.4 85.0 157.8





#17

trans-1,2-Dichloroethene

Concen: 42.966 ug/L

RT: 3.345 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

ClientSampleId :

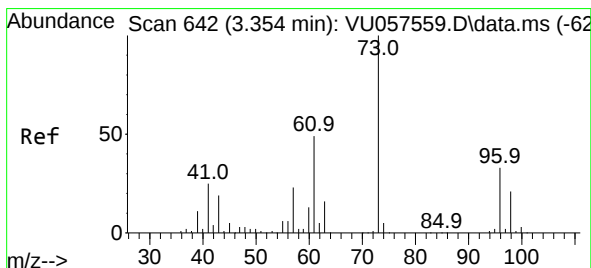
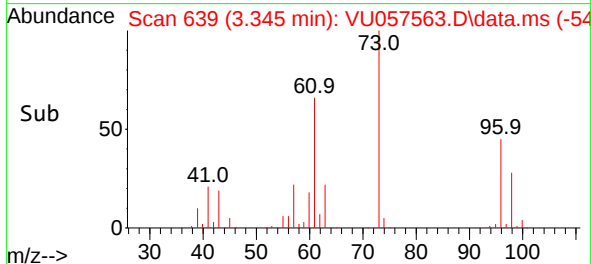
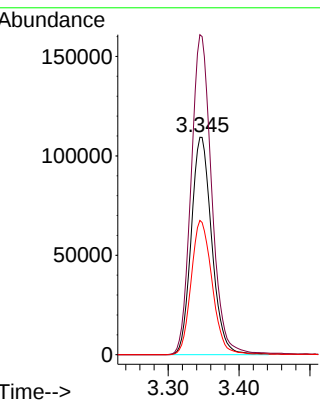
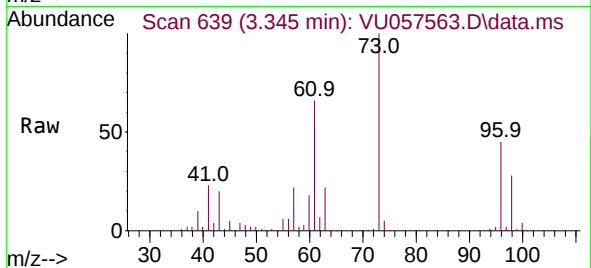
Tgt Ion: 96 Resp: 220436

Ion Ratio Lower Upper

96 100

61 147.1 101.0 187.6

98 61.7 42.8 79.4



#18

Methyl tert-butyl Ether

Concen: 44.314 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

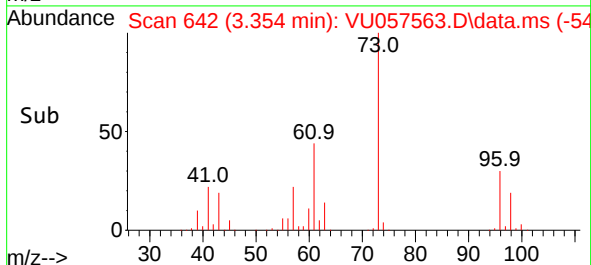
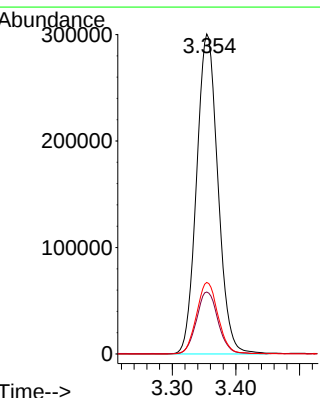
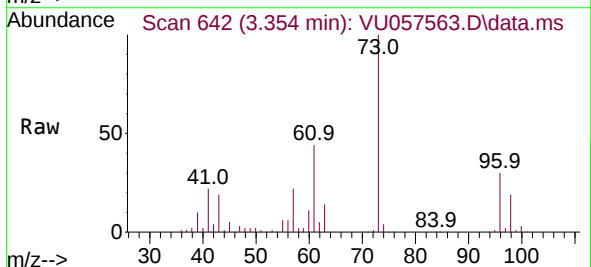
Tgt Ion: 73 Resp: 699473

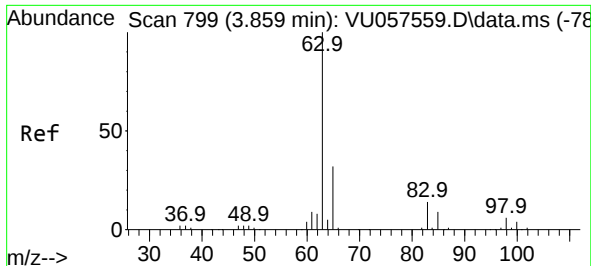
Ion Ratio Lower Upper

73 100

43 19.4 15.2 22.8

57 22.5 18.2 27.4





#19

1,1-Dichloroethane

Concen: 52.108 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

ClientSampleId :

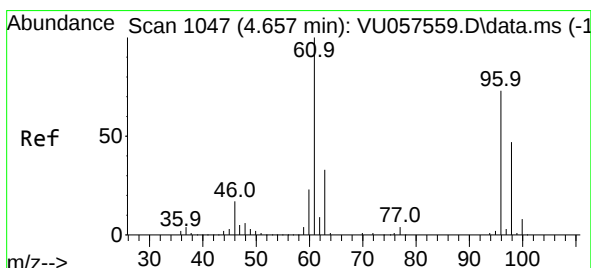
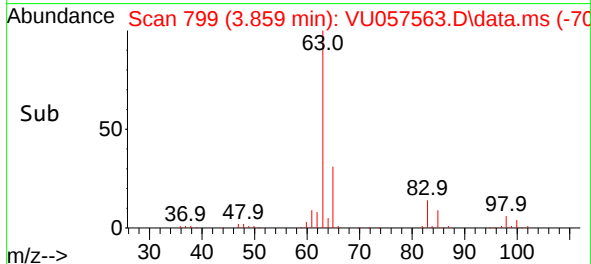
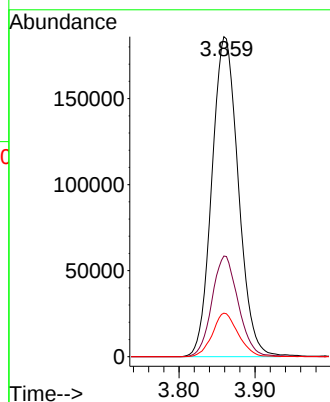
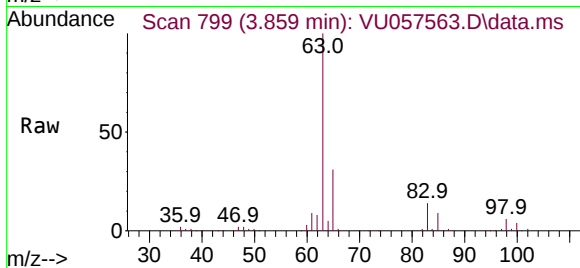
Tgt Ion: 63 Resp: 448184

Ion Ratio Lower Upper

63 100

65 31.4 22.1 41.1

83 13.6 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 55.446 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

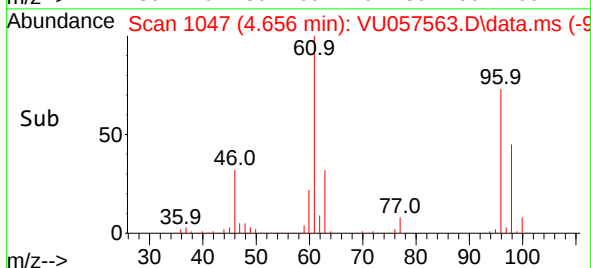
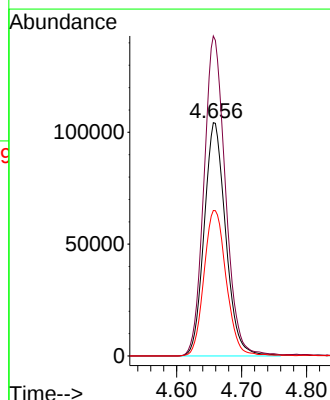
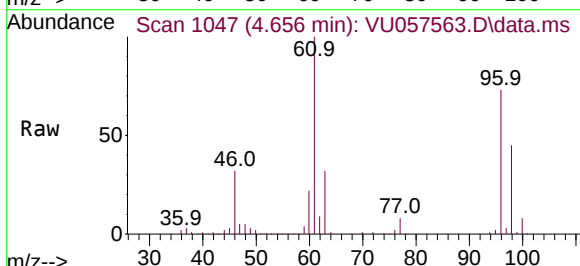
Tgt Ion: 96 Resp: 241240

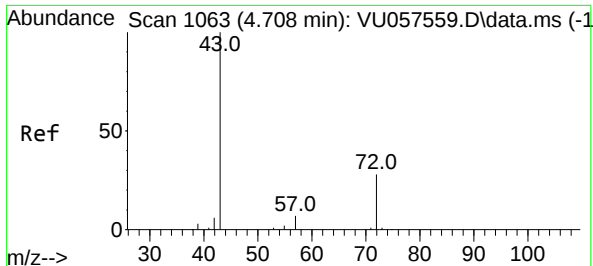
Ion Ratio Lower Upper

96 100

61 137.2 96.2 178.6

98 62.3 45.2 84.0

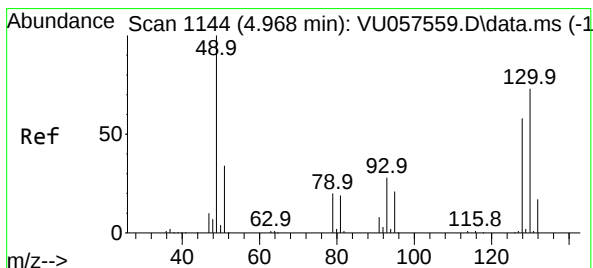
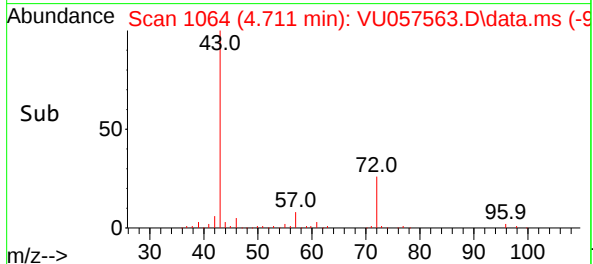
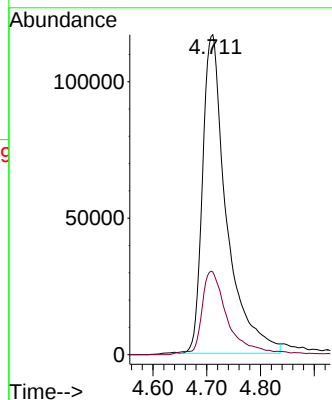
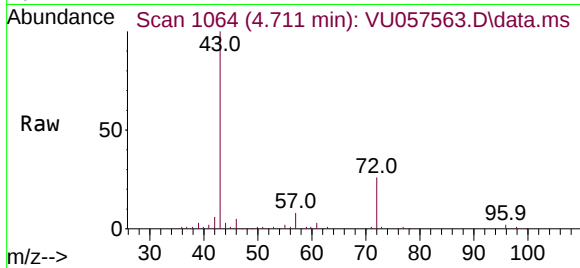




#22
2-Butanone
Concen: 113.002 ug/L
RT: 4.711 min Scan# 1064
Delta R.T. 0.003 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

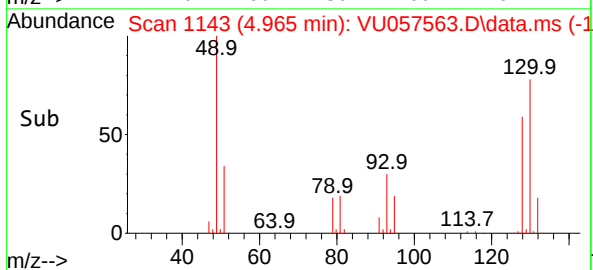
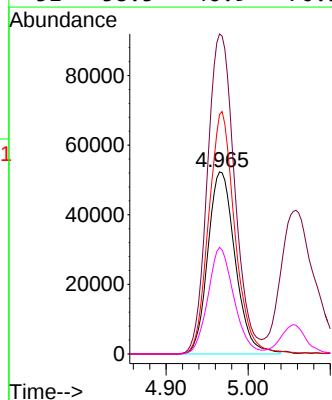
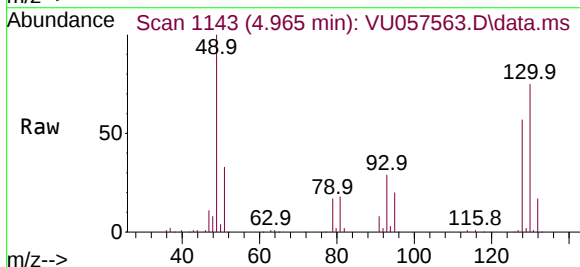
Instrument :
MSVOA_U
ClientSampleId :

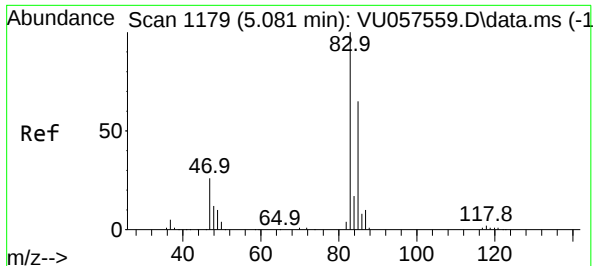
Tgt Ion: 43 Resp: 360631
Ion Ratio Lower Upper
43 100
72 25.2 12.9 38.7



#23
Bromochloromethane
Concen: 51.819 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

Tgt Ion:128 Resp: 120787
Ion Ratio Lower Upper
128 100
49 175.8 122.0 226.6
130 131.6 88.5 164.3
51 58.5 46.9 70.3





#25

Chloroform

Concen: 52.709 ug/L

RT: 5.078 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

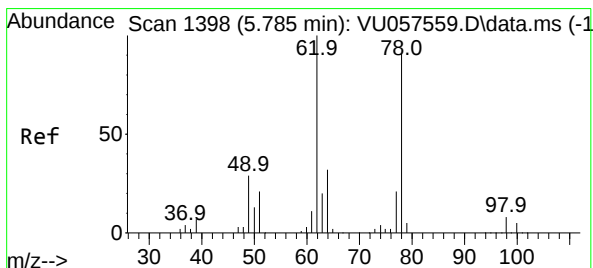
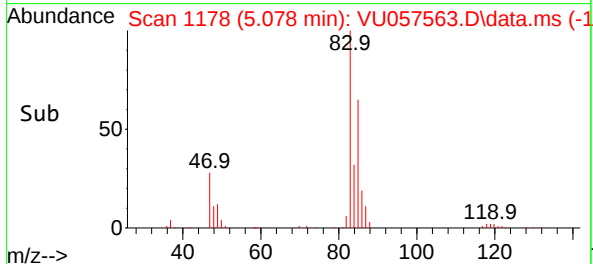
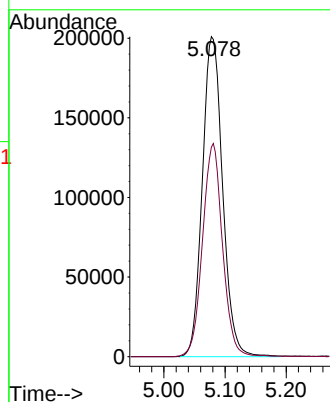
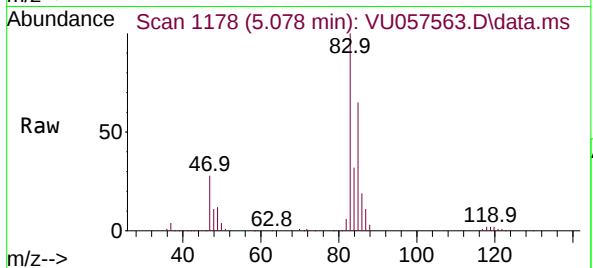
ClientSampleId :

Tgt Ion: 83 Resp: 463627

Ion Ratio Lower Upper

83 100

85 65.5 45.5 84.5



#27

1,2-Dichloroethane

Concen: 42.829 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU057563.D

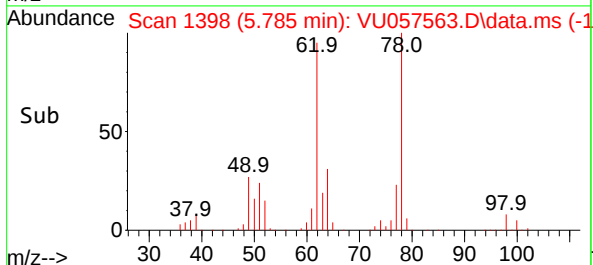
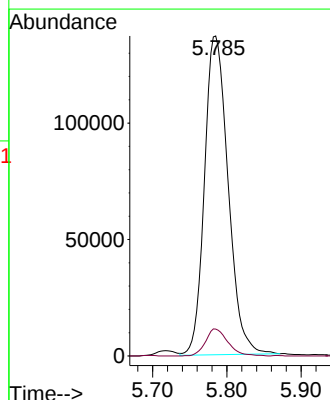
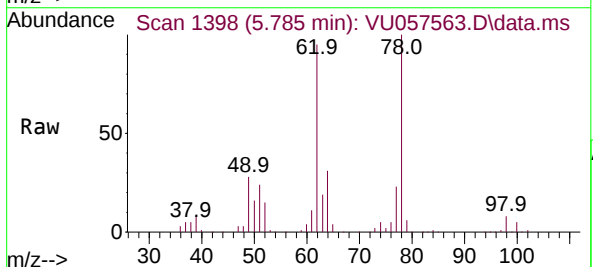
Acq: 18 Jan 2024 17:06

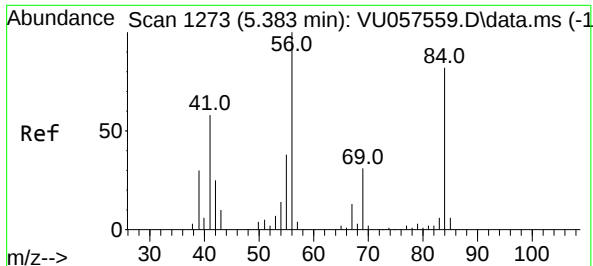
Tgt Ion: 62 Resp: 303081

Ion Ratio Lower Upper

62 100

98 8.4 6.4 9.6





#29

Cyclohexane

Concen: 58.877 ug/L

RT: 5.380 min Scan# 1273

Delta R.T. -0.003 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

ClientSampleId :

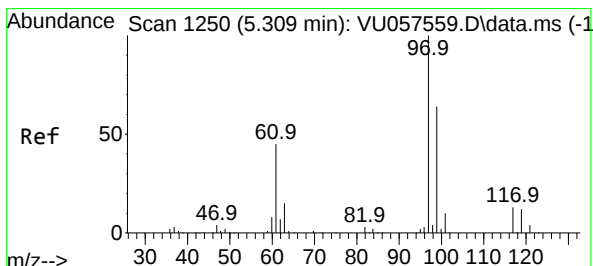
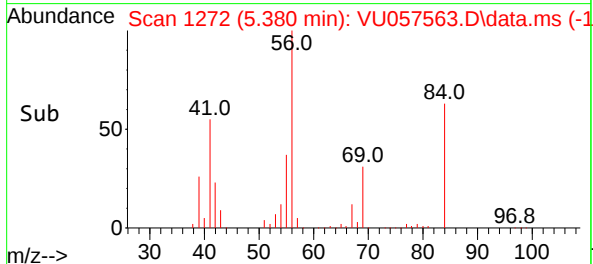
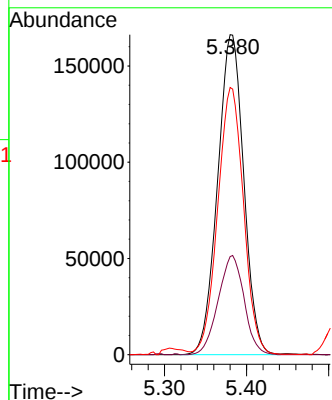
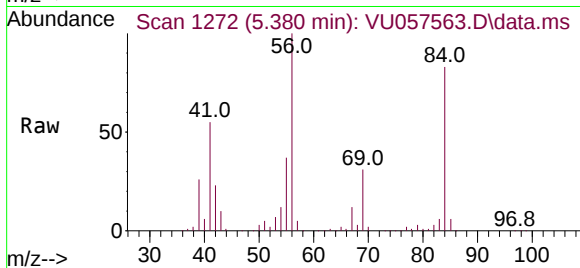
Tgt Ion: 56 Resp: 368144

Ion Ratio Lower Upper

56 100

69 30.7 25.4 38.2

84 82.8 67.4 101.0



#30

1,1,1-Trichloroethane

Concen: 55.225 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.003 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

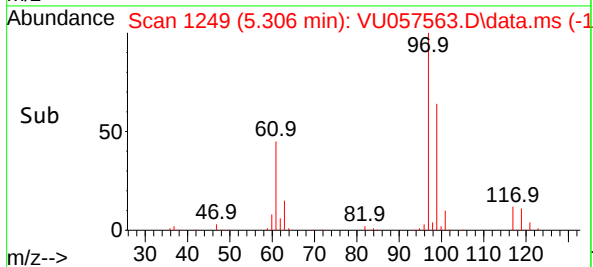
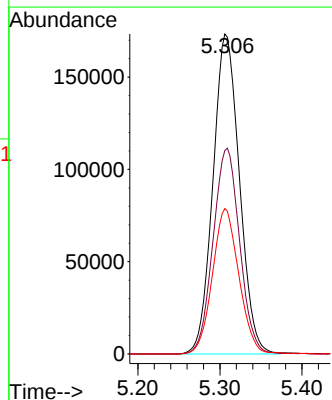
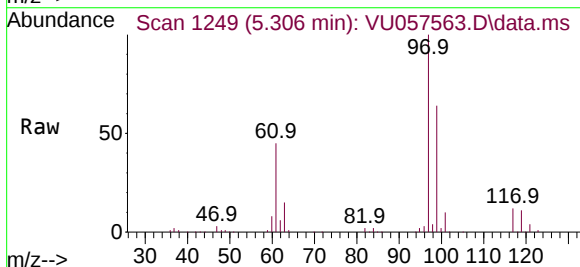
Tgt Ion: 97 Resp: 389257

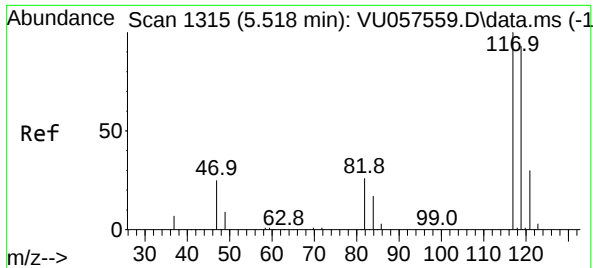
Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

61 45.3 36.9 55.3

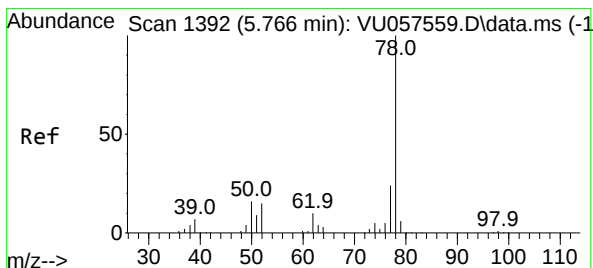
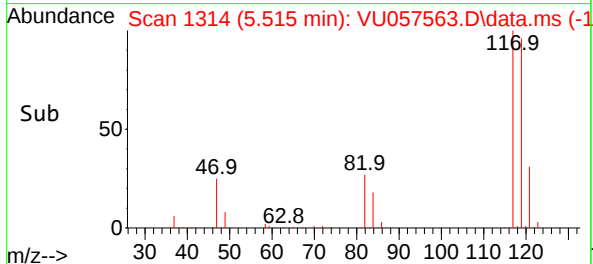
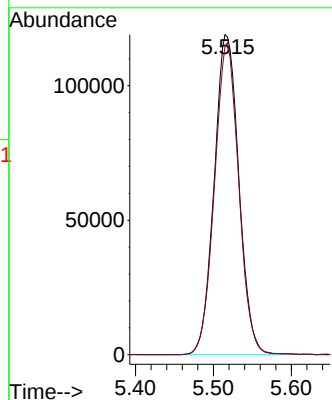
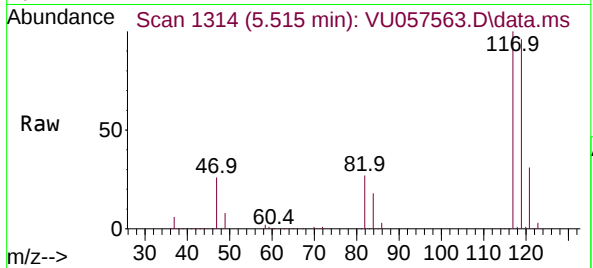




#31
Carbon tetrachloride
Concen: 45.701 ug/L
RT: 5.515 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

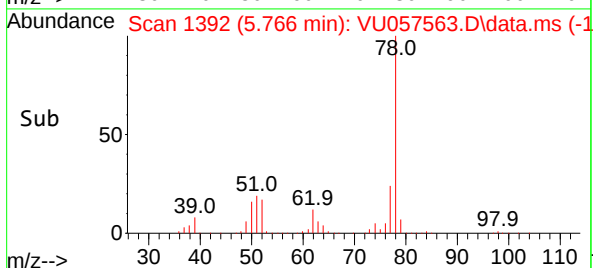
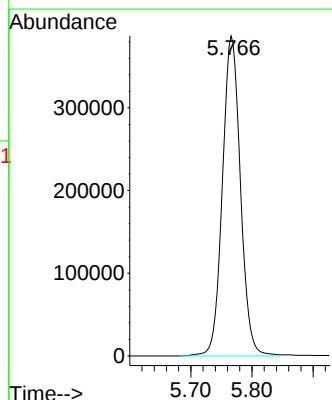
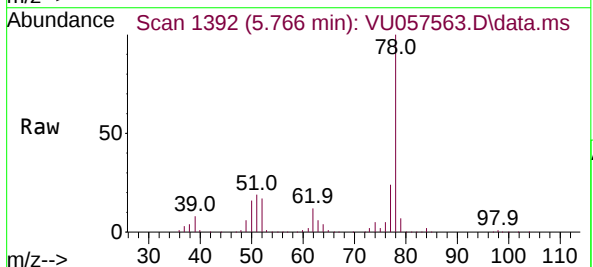
Instrument :
MSVOA_U
ClientSampleId :

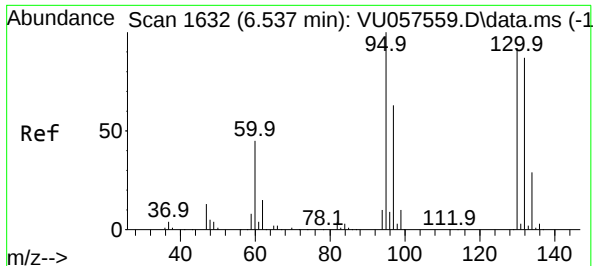
Tgt Ion:117 Resp: 261348
Ion Ratio Lower Upper
117 100
119 95.8 75.8 113.8



#33
Benzene
Concen: 45.886 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

Tgt Ion: 78 Resp: 792922





#34

Trichloroethene

Concen: 49.026 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 249522

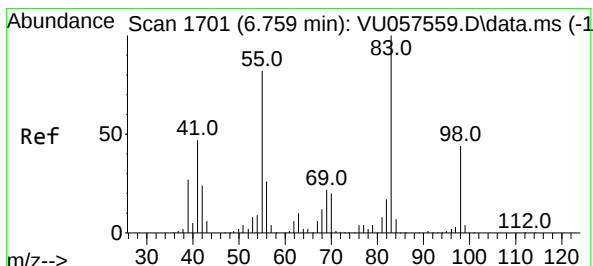
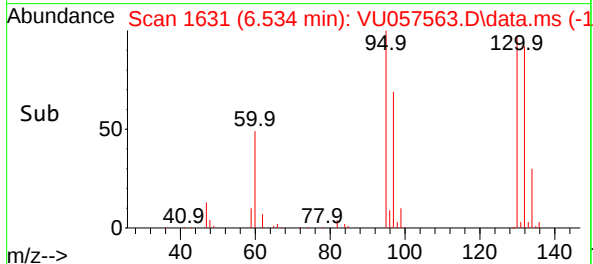
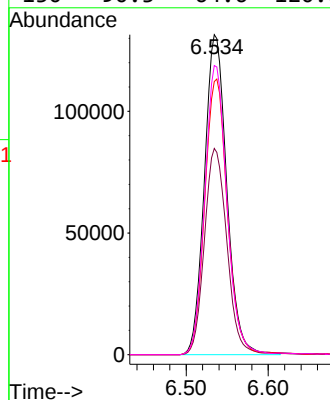
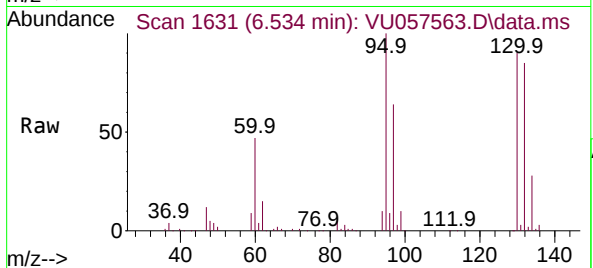
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.4

132 85.3 60.8 113.0

130 90.3 64.6 120.0



#35

Methylcyclohexane

Concen: 48.177 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

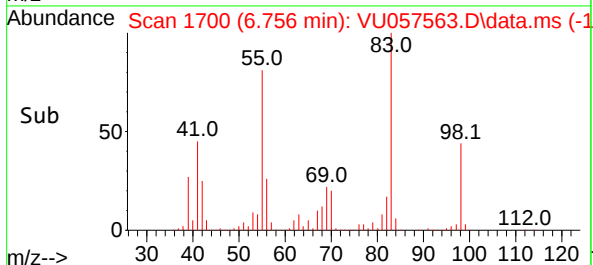
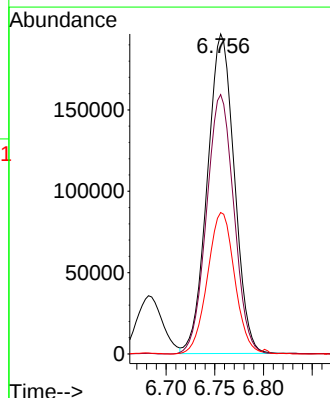
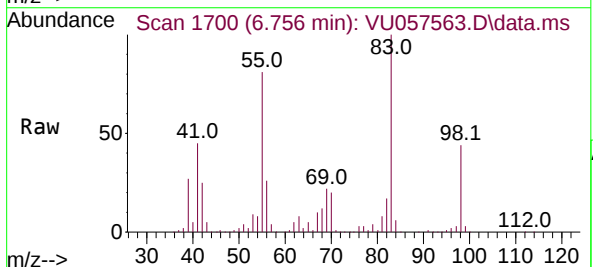
Tgt Ion: 83 Resp: 379430

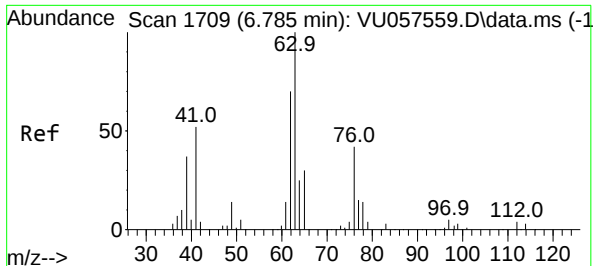
Ion Ratio Lower Upper

83 100

55 82.2 65.8 98.6

98 44.5 34.8 52.2





#37

1,2-Dichloropropane

Concen: 47.946 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

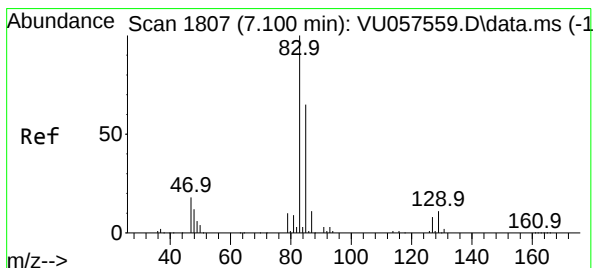
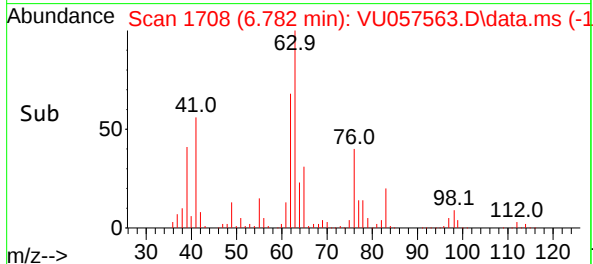
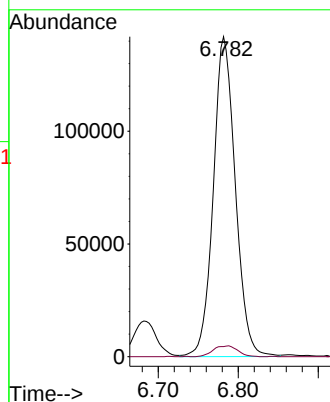
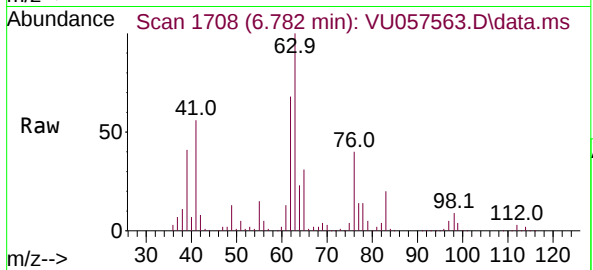
ClientSampleId :

Tgt Ion: 63 Resp: 271038

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



#38

Bromodichloromethane

Concen: 46.789 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.003 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

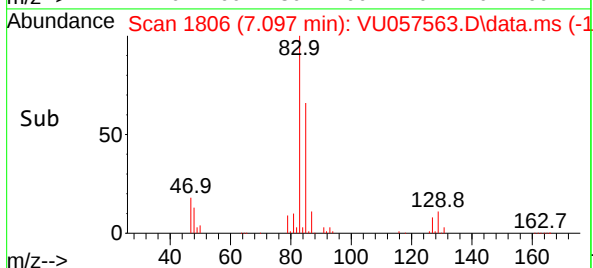
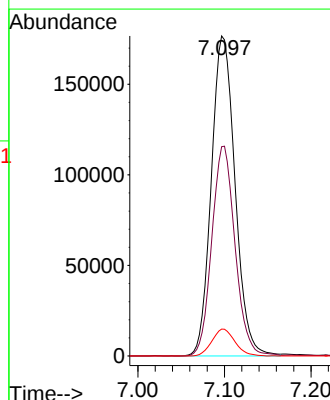
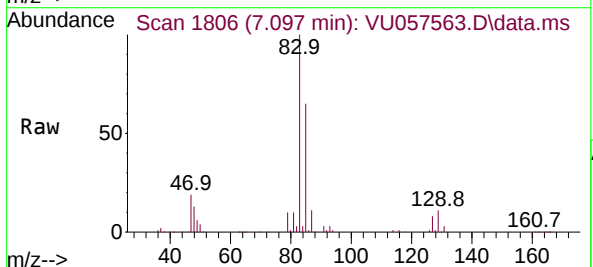
Tgt Ion: 83 Resp: 336694

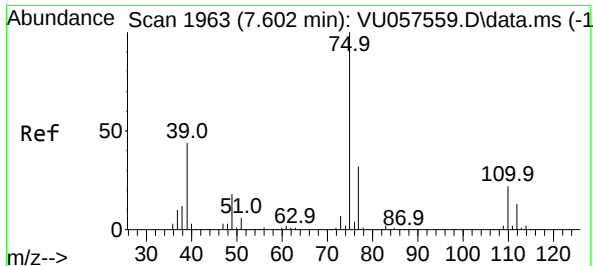
Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.2

127 8.4 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 49.634 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

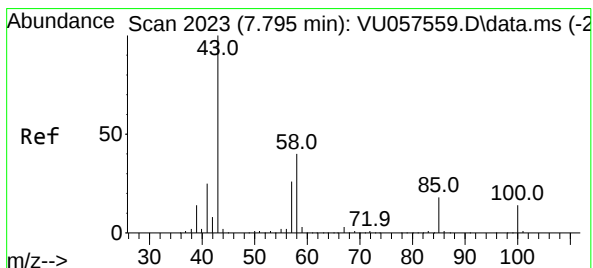
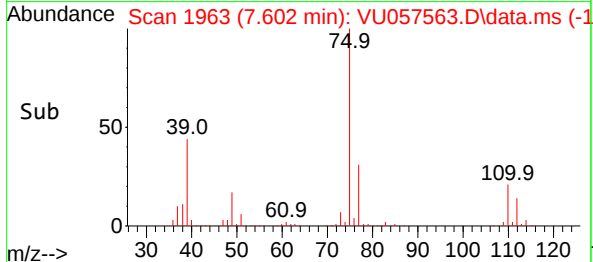
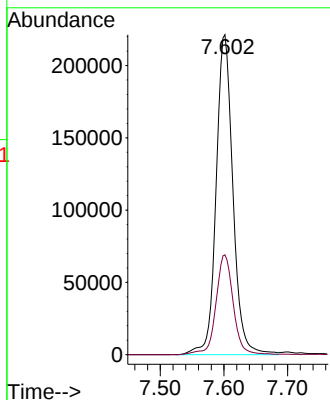
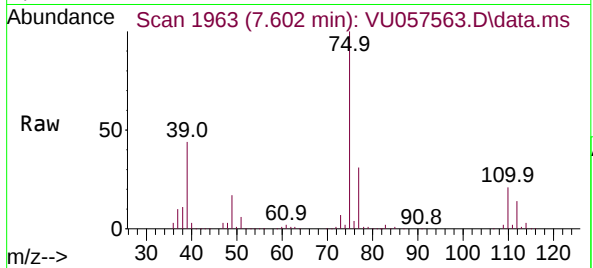
ClientSampleId :

Tgt Ion: 75 Resp: 406396

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 102.477 ug/L

RT: 7.798 min Scan# 2024

Delta R.T. 0.003 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

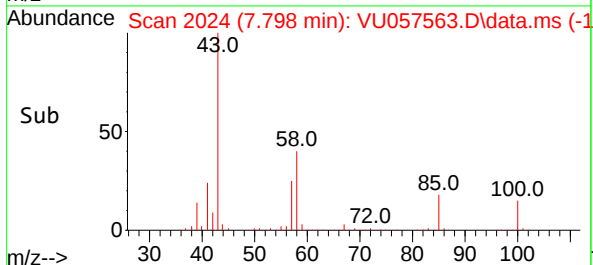
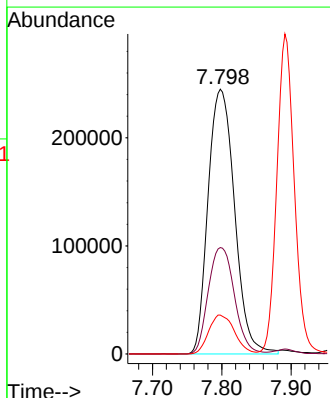
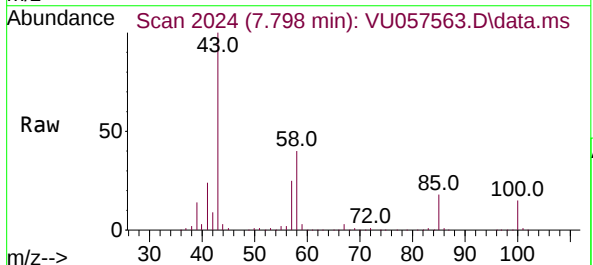
Tgt Ion: 43 Resp: 652025

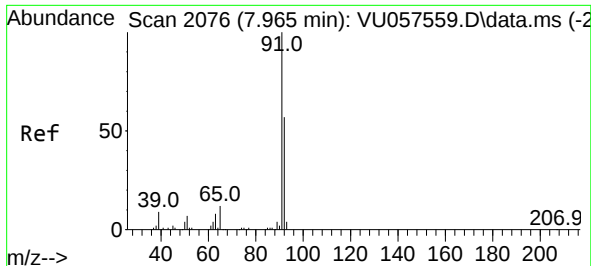
Ion Ratio Lower Upper

43 100

58 39.6 32.2 48.2

100 14.3 11.2 16.8





#42

Toluene

Concen: 46.966 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

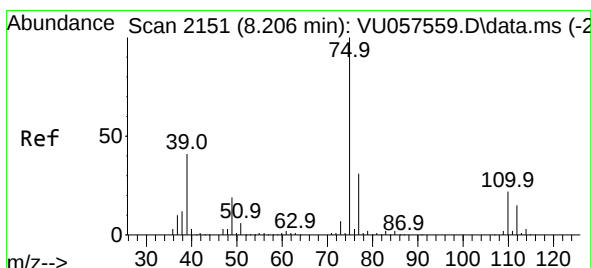
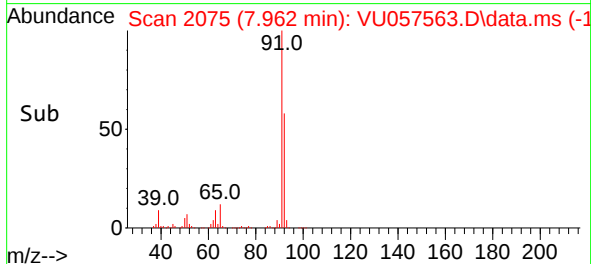
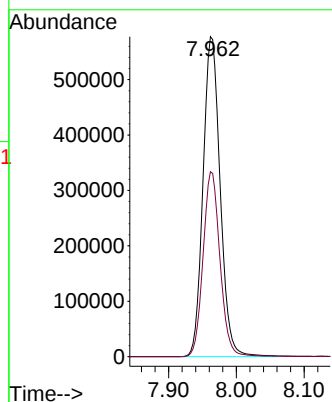
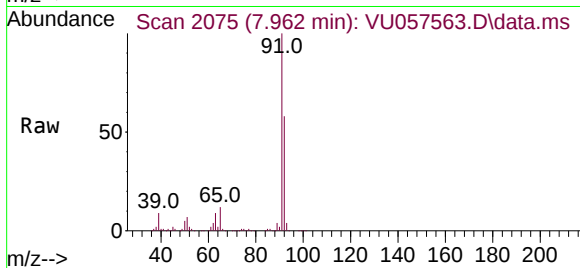
ClientSampleId :

Tgt Ion: 91 Resp: 1015637

Ion Ratio Lower Upper

91 100

92 57.8 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 45.539 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU057563.D

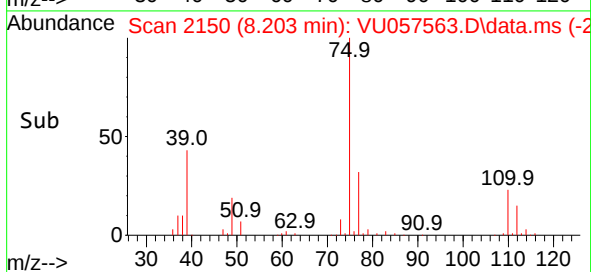
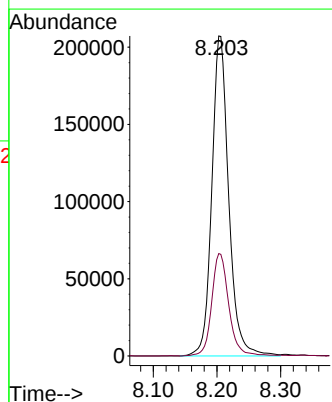
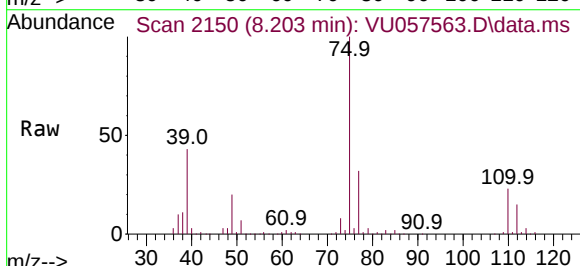
Acq: 18 Jan 2024 17:06

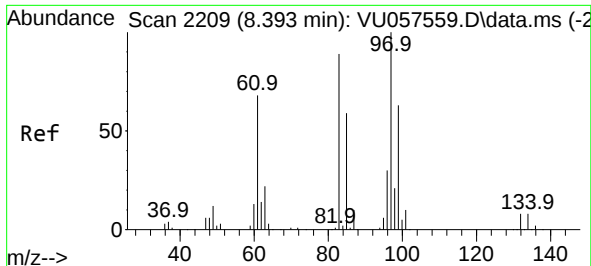
Tgt Ion: 75 Resp: 381822

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8



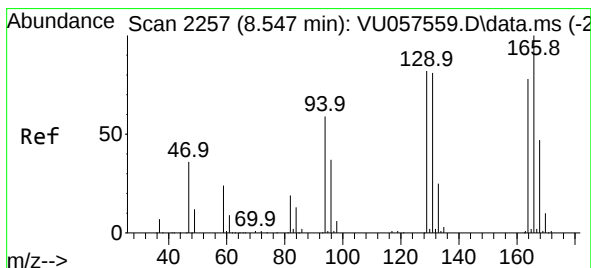
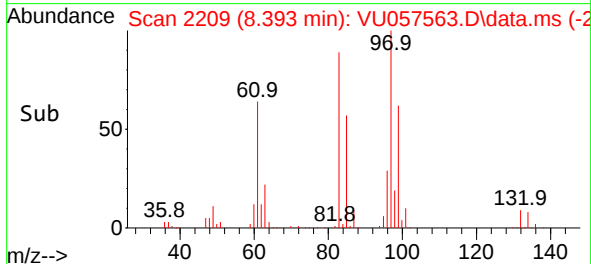
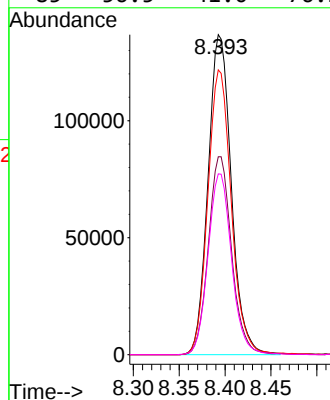
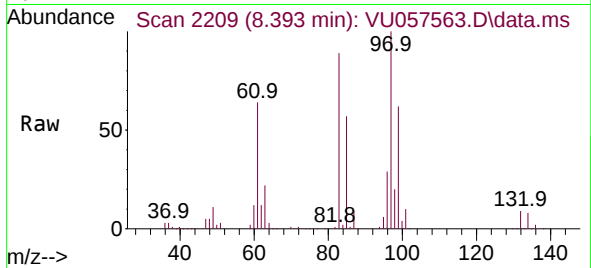


#45
1,1,2-Trichloroethane
Concen: 44.850 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 241396

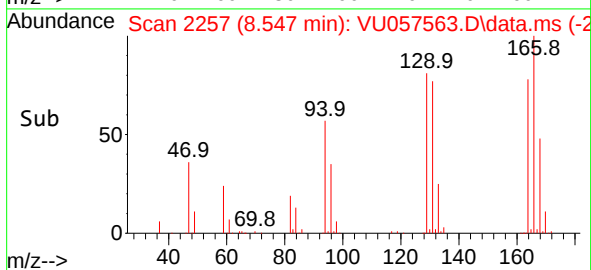
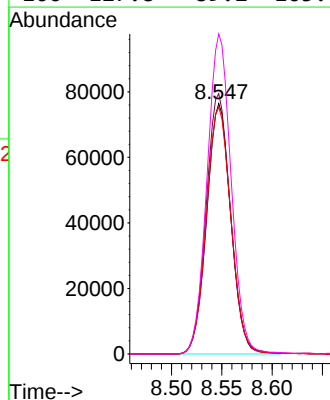
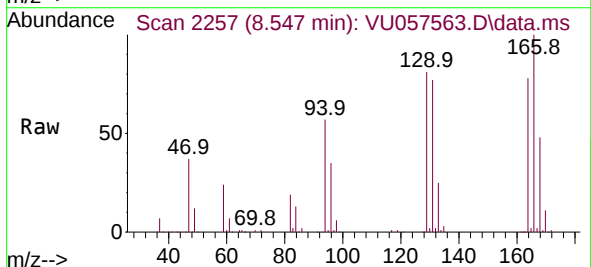
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.2	82.2
83	89.0	62.2	115.6
85	56.5	41.0	76.2

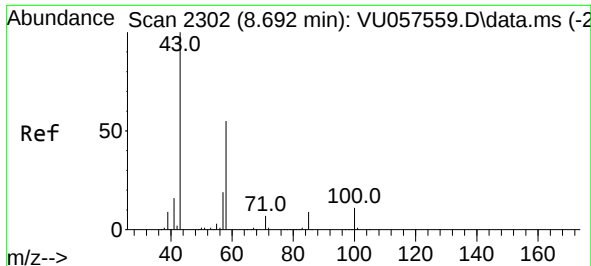


#46
Tetrachloroethene
Concen: 35.184 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

Tgt Ion: 164 Resp: 127865

Ion	Ratio	Lower	Upper
164	100		
129	104.0	73.5	136.5
131	98.6	72.1	133.9
166	127.8	89.2	165.8

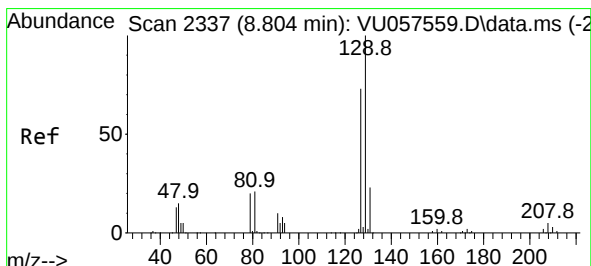
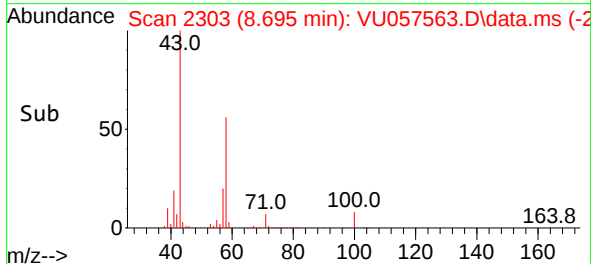
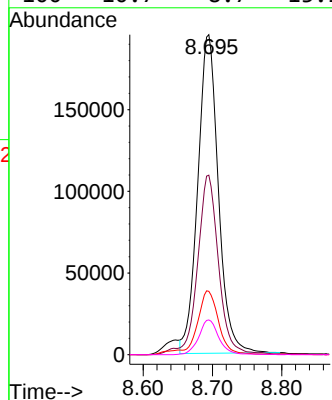
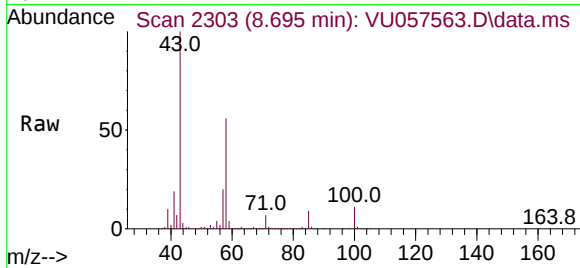




#48
2-Hexanone
Concen: 73.120 ug/L
RT: 8.695 min Scan# 2302
Delta R.T. 0.003 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

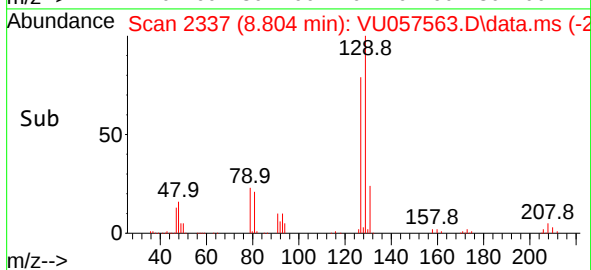
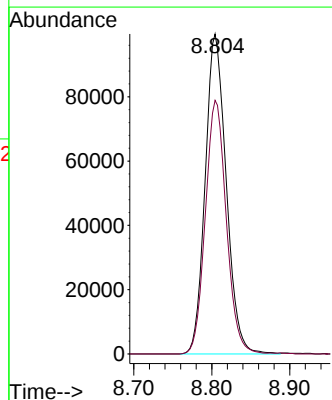
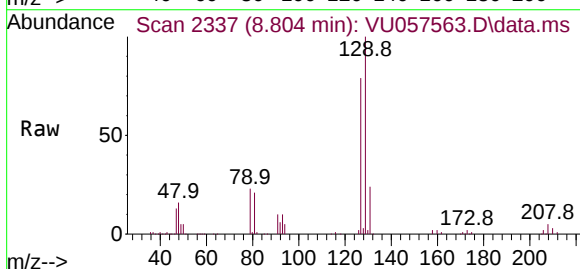
Instrument :
MSVOA_U
ClientSampleId :

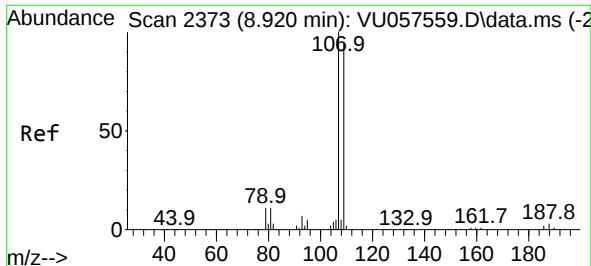
Tgt Ion: 43 Resp: 403218
Ion Ratio Lower Upper
43 100
58 55.0 47.0 70.6
57 19.6 15.7 23.5
100 10.7 8.7 13.1



#49
Dibromochloromethane
Concen: 34.695 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

Tgt Ion:129 Resp: 186645
Ion Ratio Lower Upper
129 100
127 79.3 51.2 95.0





#50

1,2-Dibromoethane

Concen: 35.518 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

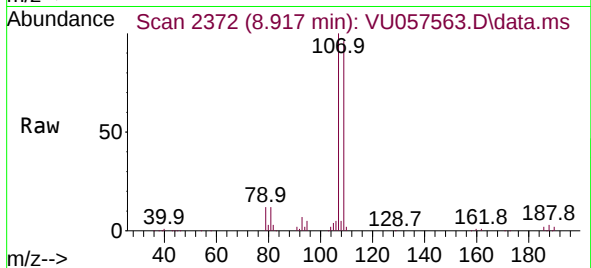
Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

ClientSampleId :



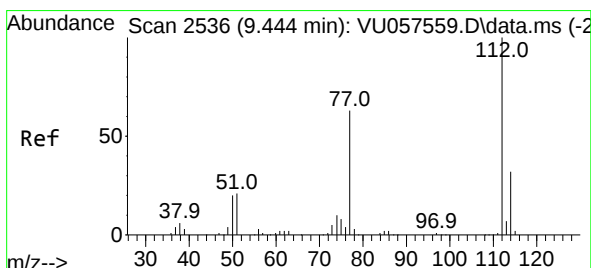
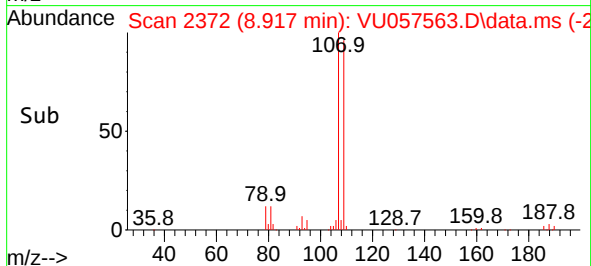
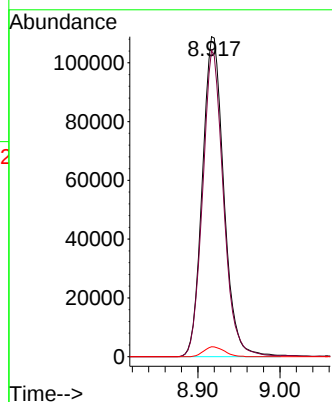
Tgt Ion:107 Resp: 198076

Ion Ratio Lower Upper

107 100

109 95.7 65.6 121.8

188 3.1 2.2 3.4



#51

Chlorobenzene

Concen: 49.608 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

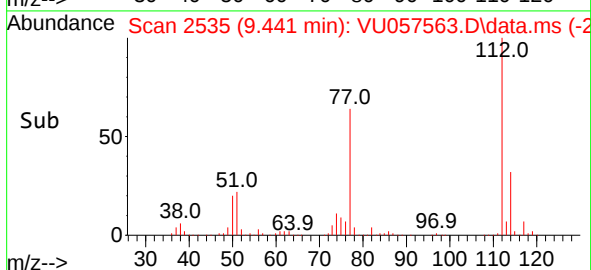
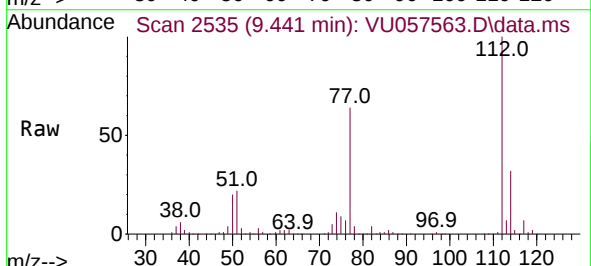
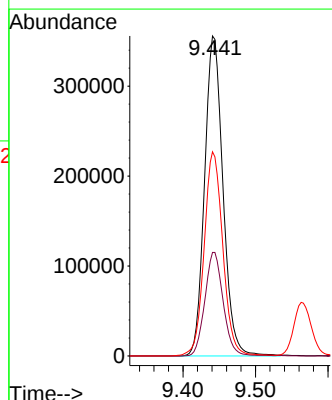
Tgt Ion:112 Resp: 628249

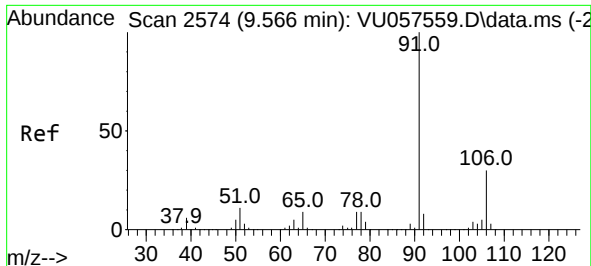
Ion Ratio Lower Upper

112 100

114 32.4 22.3 41.3

77 63.8 50.2 75.4

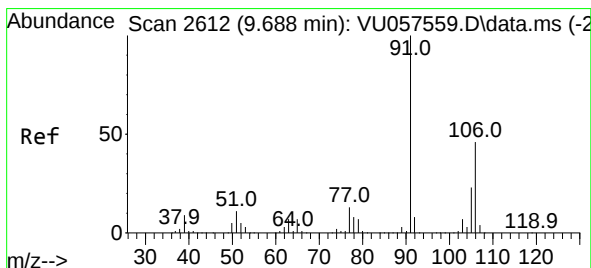
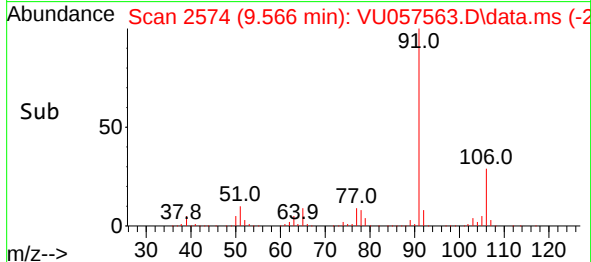
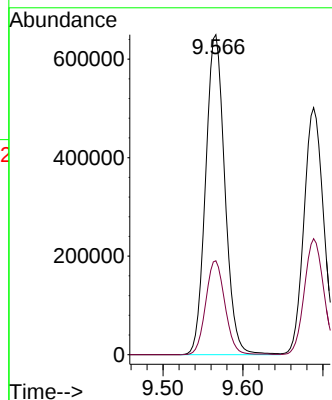
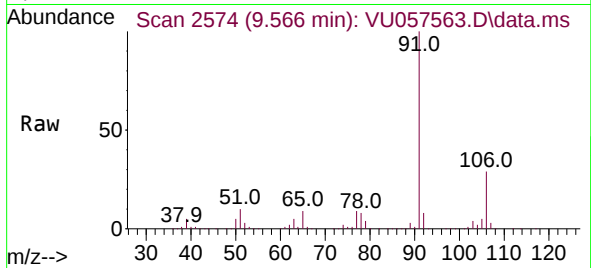




#52
Ethylbenzene
Concen: 51.446 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

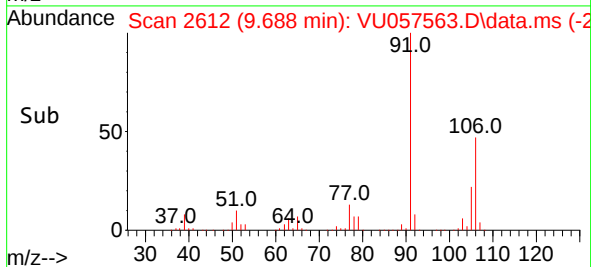
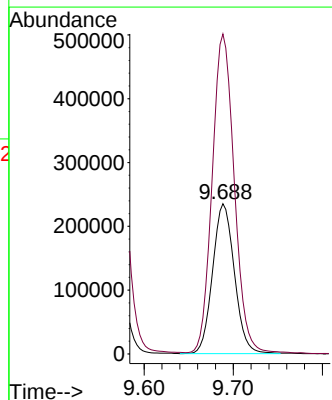
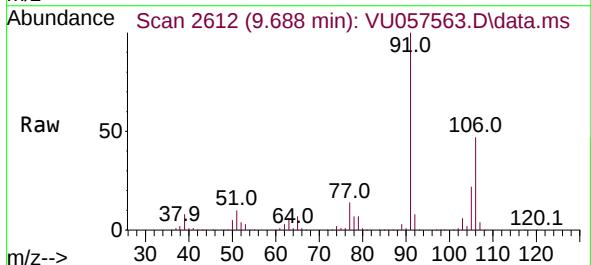
Instrument :
MSVOA_U
ClientSampleId :

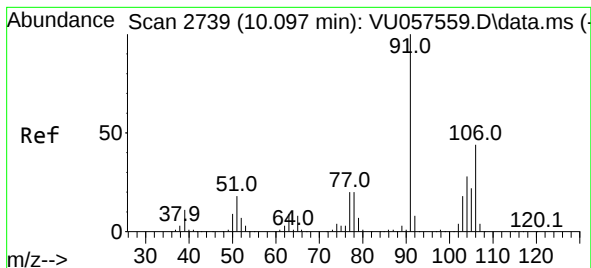
Tgt Ion: 91 Resp: 1088133
Ion Ratio Lower Upper
91 100
106 29.3 20.9 38.9



#53
m,p-Xylene
Concen: 51.229 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

Tgt Ion:106 Resp: 398566
Ion Ratio Lower Upper
106 100
91 213.1 152.2 282.6





#54

o-Xylene

Concen: 52.018 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

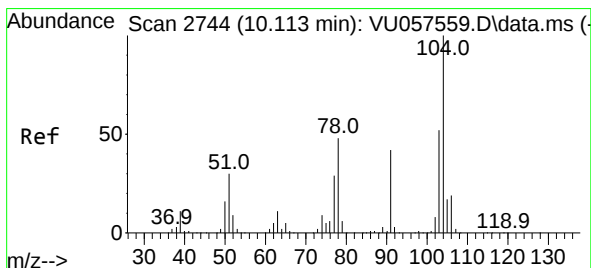
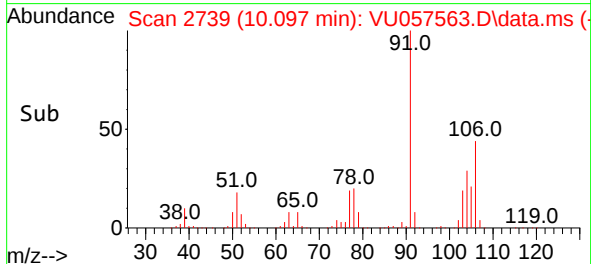
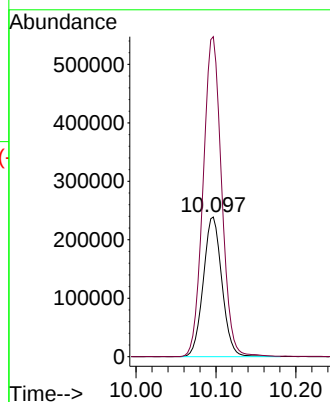
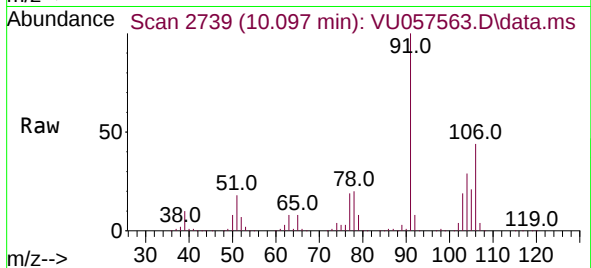
ClientSampleId :

Tgt Ion:106 Resp: 388739

Ion Ratio Lower Upper

106 100

91 229.1 160.9 298.9



#55

Styrene

Concen: 52.914 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.003 min

Lab File: VU057563.D

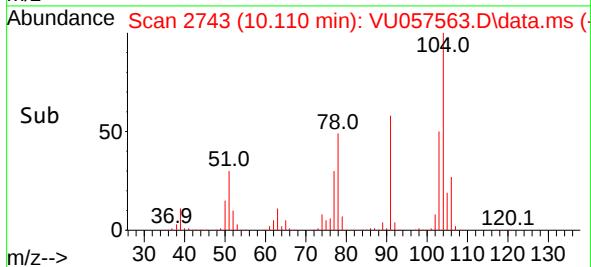
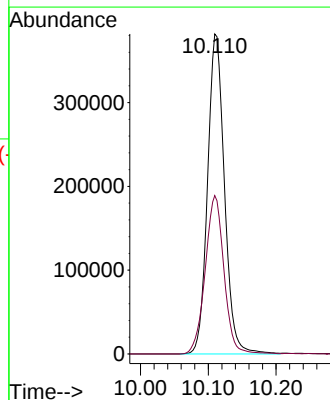
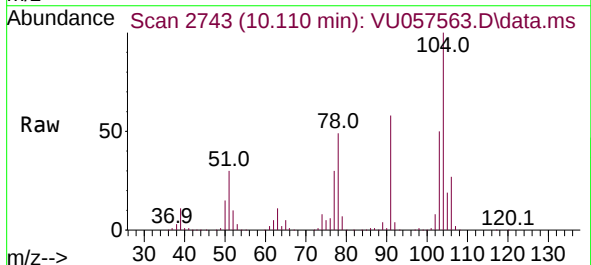
Acq: 18 Jan 2024 17:06

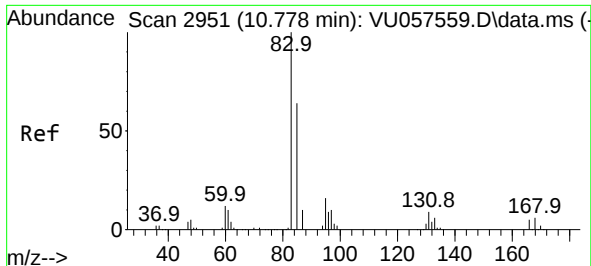
Tgt Ion:104 Resp: 662075

Ion Ratio Lower Upper

104 100

78 49.5 33.9 63.0





#57

1,1,2,2-Tetrachloroethane

Concen: 51.353 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

ClientSampleId :

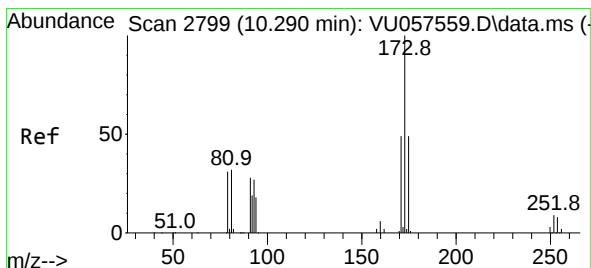
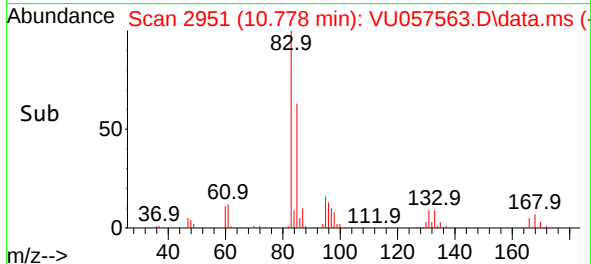
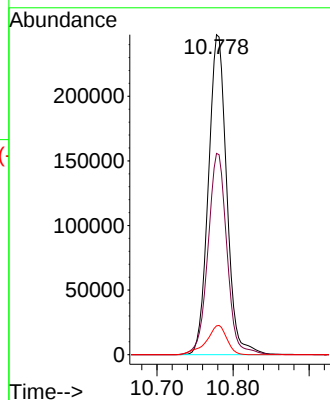
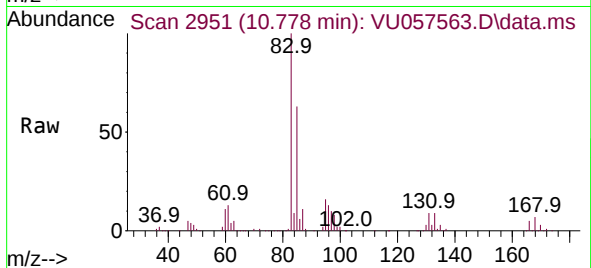
Tgt Ion: 83 Resp: 414121

Ion Ratio Lower Upper

83 100

85 62.9 45.1 83.9

131 9.0 7.1 10.7



#59

Bromoform

Concen: 45.998 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. -0.000 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

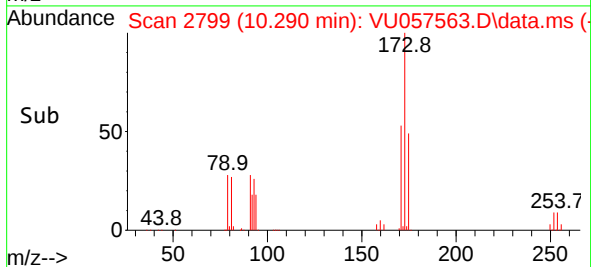
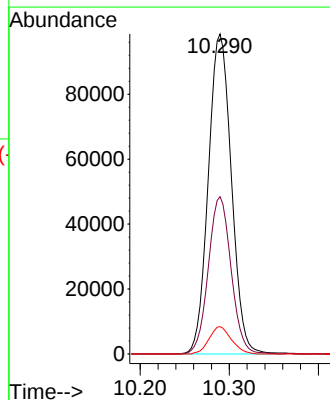
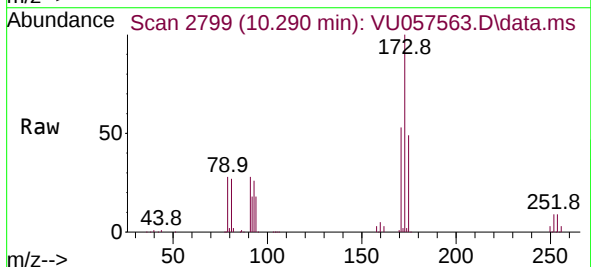
Tgt Ion:173 Resp: 177225

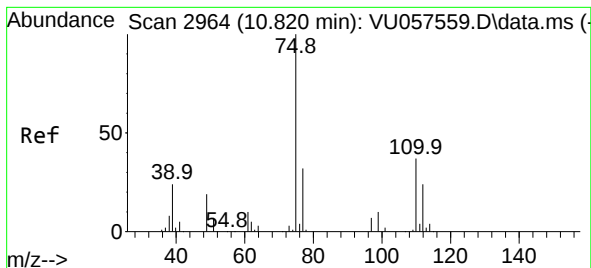
Ion Ratio Lower Upper

173 100

175 48.5 37.8 56.8

254 8.2 6.8 10.2





#60

1,2,3-Trichloropropane

Concen: 47.995 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. -0.000 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

ClientSampleId :

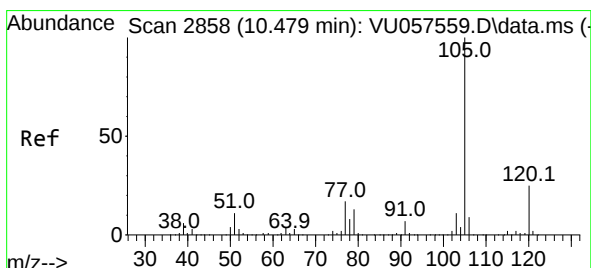
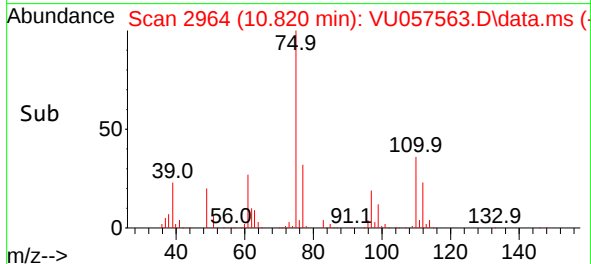
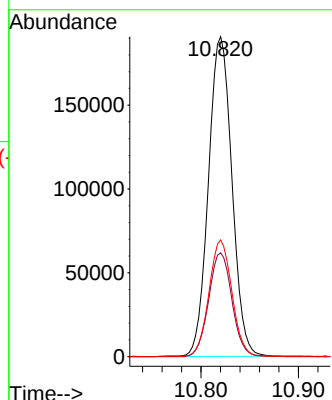
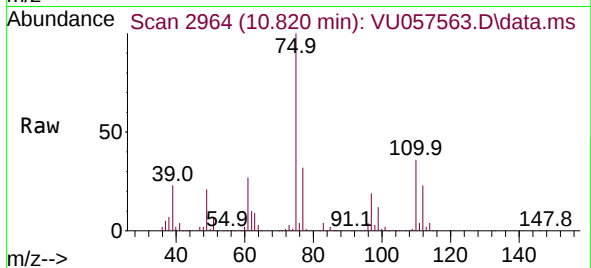
Tgt Ion: 75 Resp: 319174

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

110 35.8 29.1 43.7



#61

Isopropylbenzene

Concen: 48.784 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

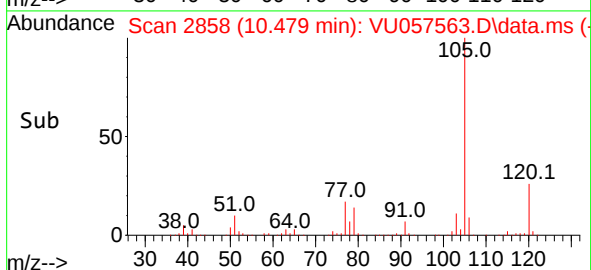
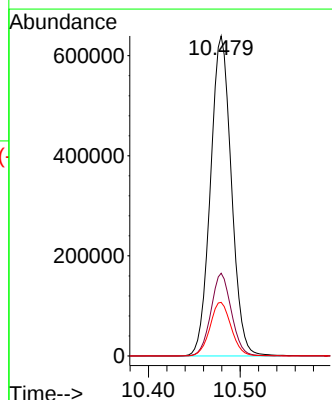
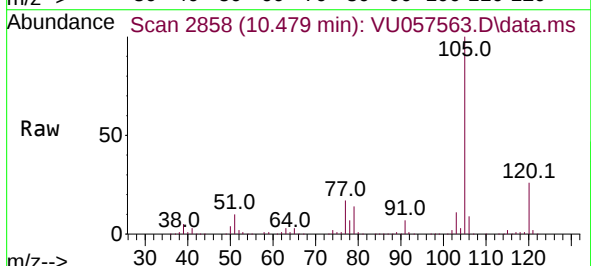
Tgt Ion: 105 Resp: 1012128

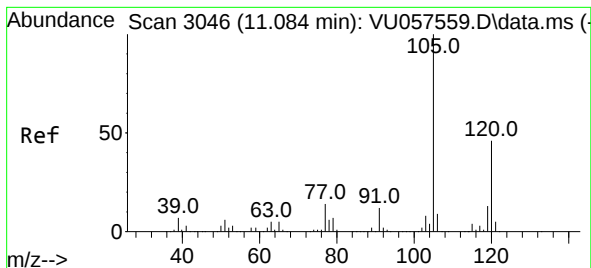
Ion Ratio Lower Upper

105 100

120 25.3 19.9 29.9

77 17.0 13.7 20.5





#62

1,3,5-Trimethylbenzene

Concen: 54.198 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU057563.D

Acq: 18 Jan 2024 17:06

Instrument :

MSVOA_U

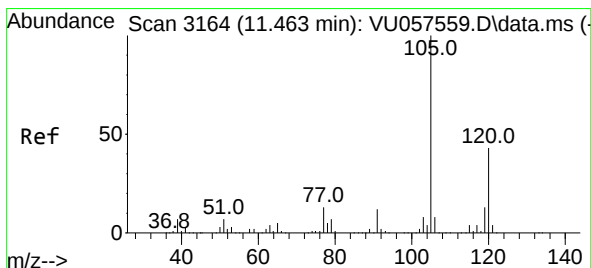
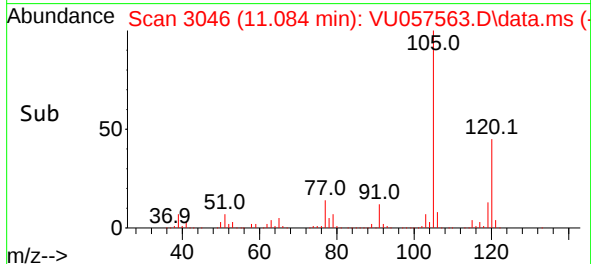
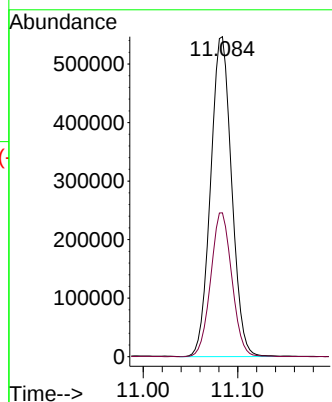
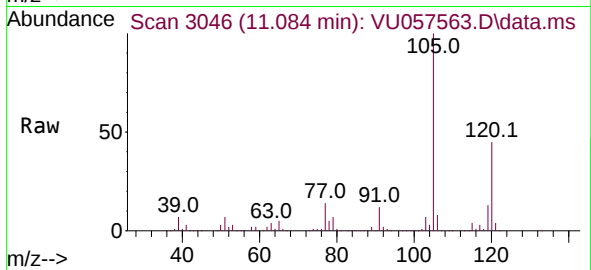
ClientSampleId :

Tgt Ion:105 Resp: 845100

Ion Ratio Lower Upper

105 100

120 45.3 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 53.863 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU057563.D

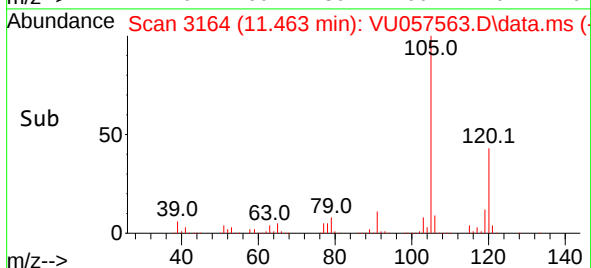
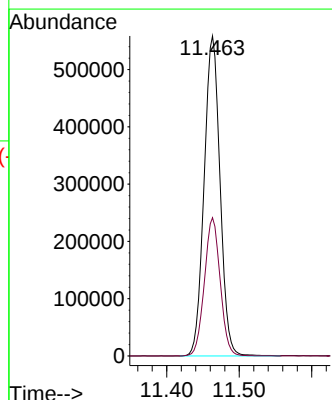
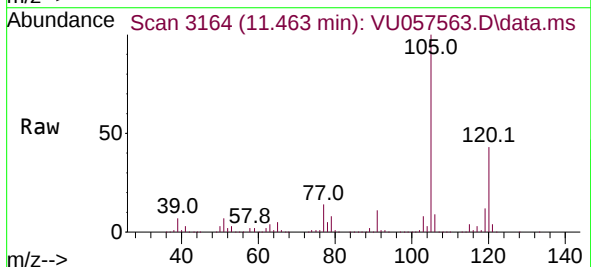
Acq: 18 Jan 2024 17:06

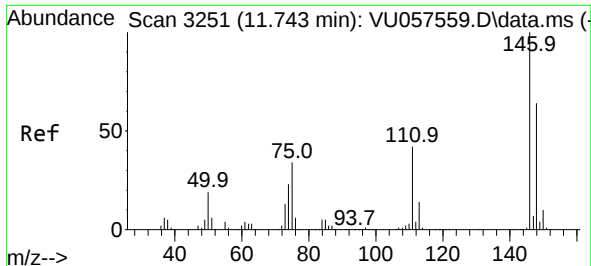
Tgt Ion:105 Resp: 852377

Ion Ratio Lower Upper

105 100

120 42.8 34.5 51.7

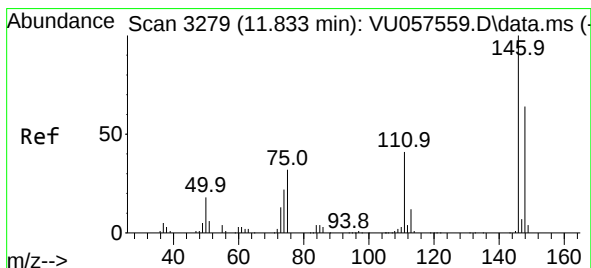
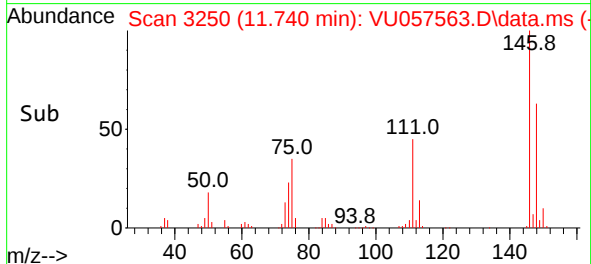
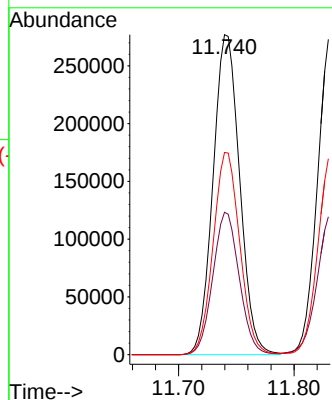
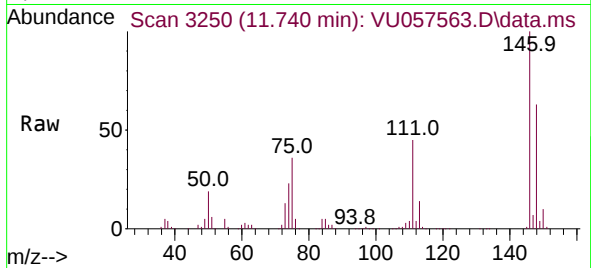




#64
1,3-Dichlorobenzene
Concen: 50.385 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

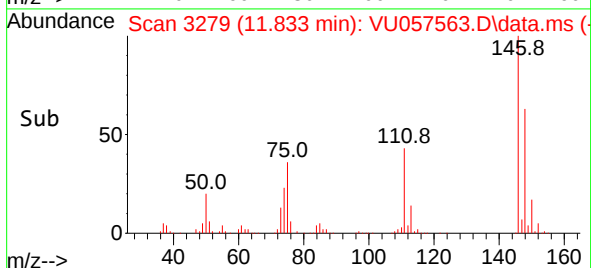
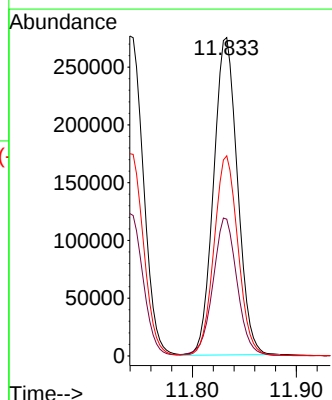
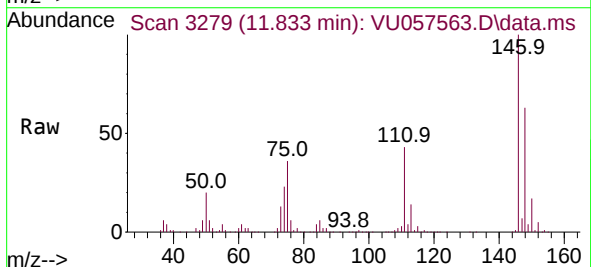
Instrument :
MSVOA_U
ClientSampleId :

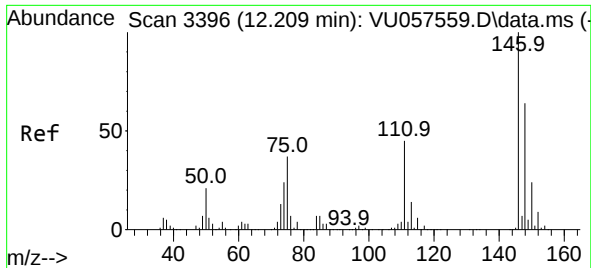
Tgt Ion:146 Resp: 444008
Ion Ratio Lower Upper
146 100
111 44.5 29.5 54.9
148 63.2 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 48.950 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

Tgt Ion:146 Resp: 439858
Ion Ratio Lower Upper
146 100
111 43.0 28.8 53.6
148 62.9 44.9 83.5

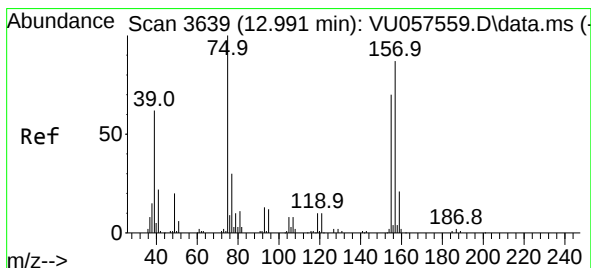
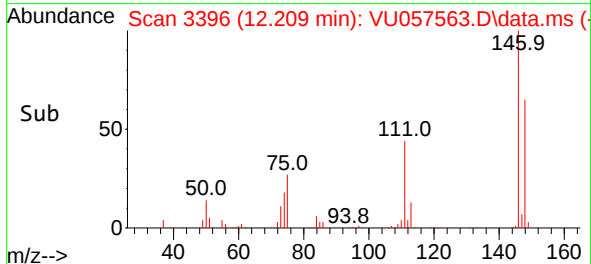
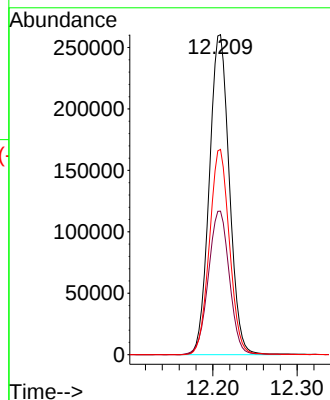
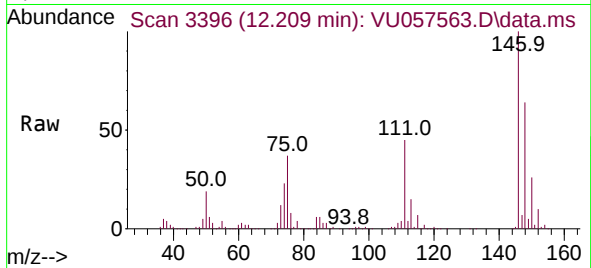




#67
1,2-Dichlorobenzene
Concen: 51.739 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.000 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

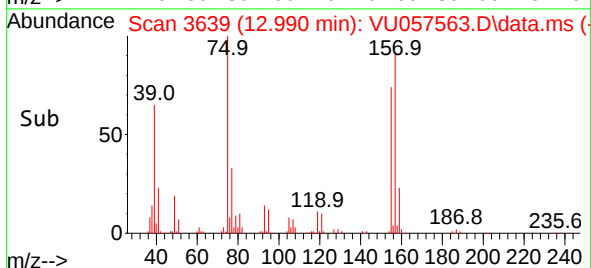
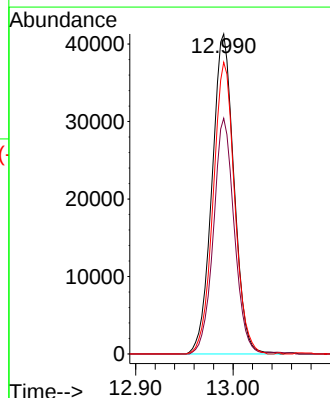
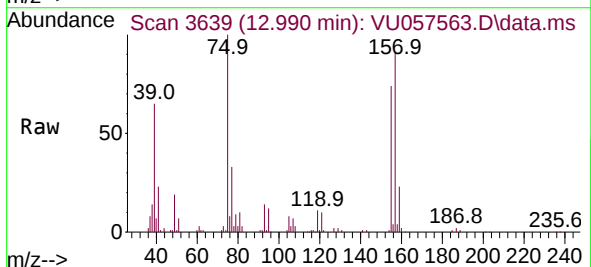
Instrument :
MSVOA_U
ClientSampleId :

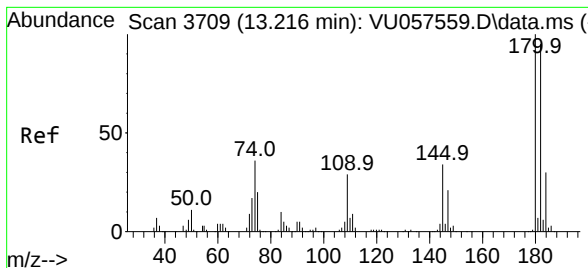
Tgt Ion:146 Resp: 429936
Ion Ratio Lower Upper
146 100
111 44.9 36.0 54.0
148 64.1 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 47.103 ug/L
RT: 12.990 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

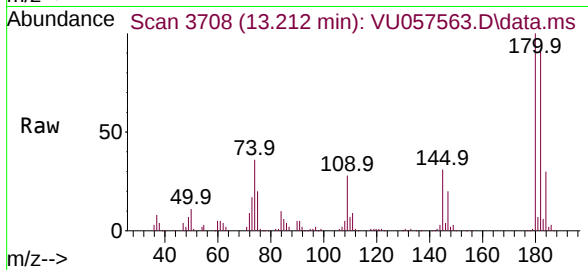
Tgt Ion: 75 Resp: 64849
Ion Ratio Lower Upper
75 100
155 73.7 55.8 83.8
157 91.1 69.6 104.4



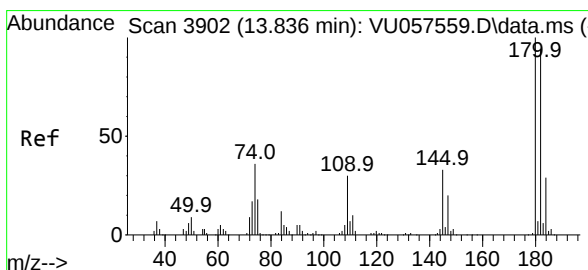
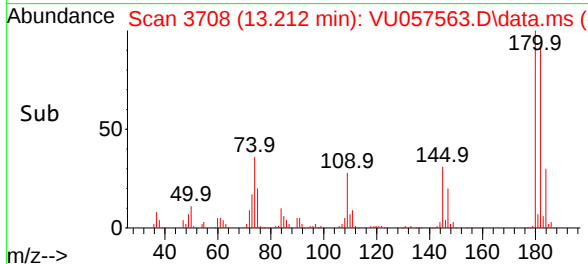
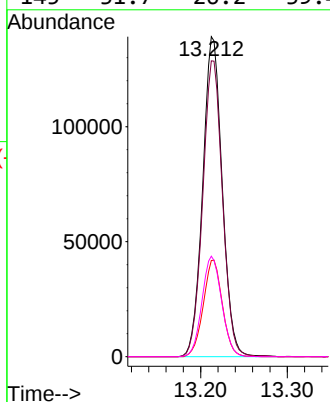


#69
 1,3,5-Trichlorobenzene
 Concen: 36.364 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU057563.D
 Acq: 18 Jan 2024 17:06

Instrument :
 MSVOA_U
 ClientSampleId :

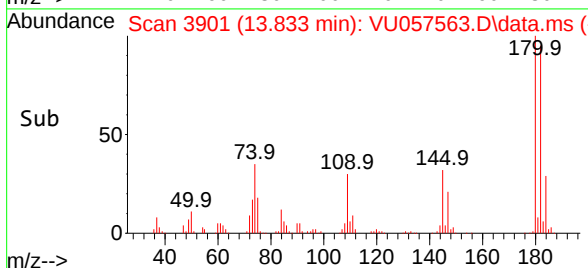
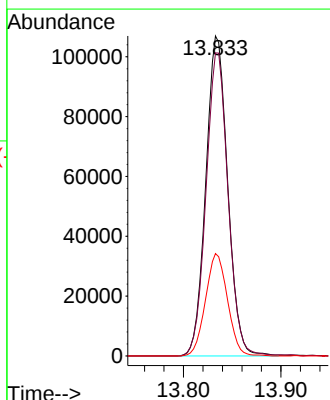
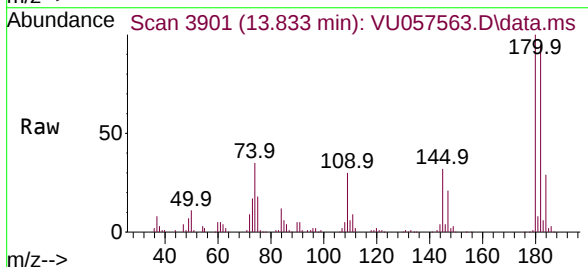


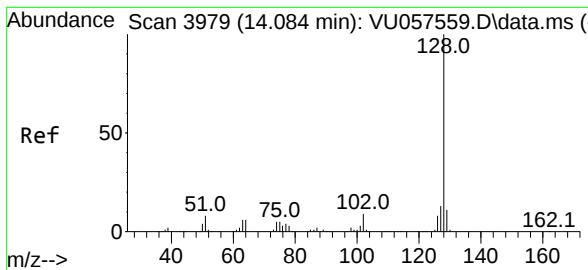
Tgt Ion:180 Resp: 217601
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.2 114.2
 184 29.6 24.4 36.6
 145 31.7 26.2 39.4



#70
 1,2,4-trichlorobenzene
 Concen: 36.050 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU057563.D
 Acq: 18 Jan 2024 17:06

Tgt Ion:180 Resp: 166971
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.8 113.8
 145 32.0 26.6 40.0

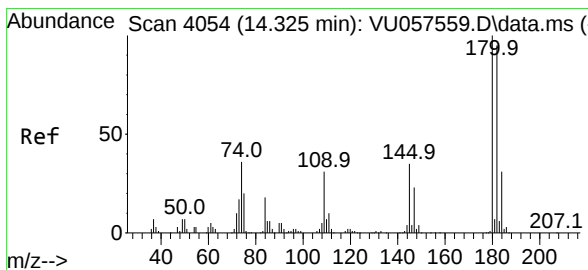
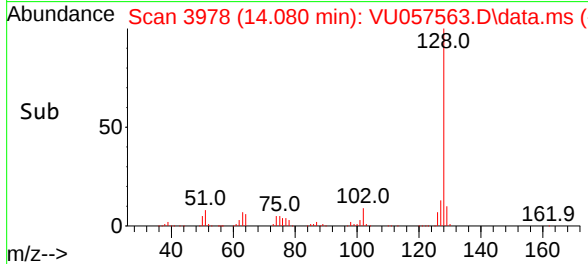
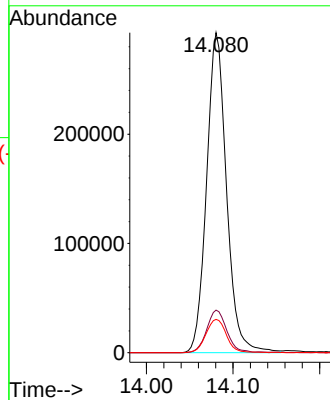
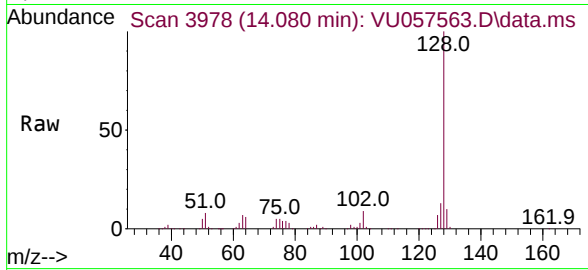




#71
Naphthalene
Concen: 42.801 ug/L
RT: 14.080 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

Instrument :
MSVOA_U
ClientSampleId :

Tgt	Ion:128	Resp:	468615
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.7	8.4	12.6



#72
1,2,3-Trichlorobenzene
Concen: 51.820 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU057563.D
Acq: 18 Jan 2024 17:06

Tgt Ion:180	Resp: 217410
Ion Ratio	Lower Upper
180 100	
182 95.4	77.7 116.5
145 36.3	28.3 42.5

