

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030124\
 Data File : VU057980.D
 Acq On : 01 Mar 2024 16:14
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 01 22:46:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 01 22:42:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	154366	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	144965	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	71816	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	49241	4.434	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.907	69	41778	4.577	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.600%
11) 1,1-Dichloroethene-d2	2.560	65	21785	4.533	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.611	46	94880	51.848	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.700%
24) Chloroform-d	5.055	84	99351	4.730	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.695	65	46583	4.894	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.721	84	194956	4.615	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.682	67	60237	4.690	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.894	98	177058	4.626	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	8.174	79	21159	4.791	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.800%
46) 2-Hexanone-d5	8.627	63	79612	53.691	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.380%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	40572	5.152	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	57049	4.823	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	44554	4.764	ug/L	99
3) Chloromethane	1.515	50	49746	4.549	ug/L	100
5) Vinyl chloride	1.599	62	54246	4.611	ug/L	97
6) Bromomethane	1.853	94	28129	4.540	ug/L	96
8) Chloroethane	1.927	64	34147	4.610	ug/L	95
9) Trichlorofluoromethane	2.132	101	77250	4.610	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	49847	4.758	ug/L	99
12) 1,1-Dichloroethene	2.573	96	43407	4.660	ug/L	97
13) Acetone	2.618	43	66053	48.502	ug/L	98
14) Carbon disulfide	2.788	76	128051	4.446	ug/L	99
15) Methyl Acetate	2.943	43	15879	5.254	ug/L #	89
16) Methylene chloride	3.036	84	51711	4.568	ug/L	98
17) Methyl tert-butyl Ether	3.351	73	105628	4.796	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	47200	4.652	ug/L	96
19) 1,1-Dichloroethane	3.859	63	95933	4.740	ug/L	97
21) 2-Butanone	4.692	43	104273	48.592	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	51466	4.612	ug/L	97
23) Bromochloromethane	4.965	128	20154	4.863	ug/L	94
25) Chloroform	5.078	83	97674	4.727	ug/L	100

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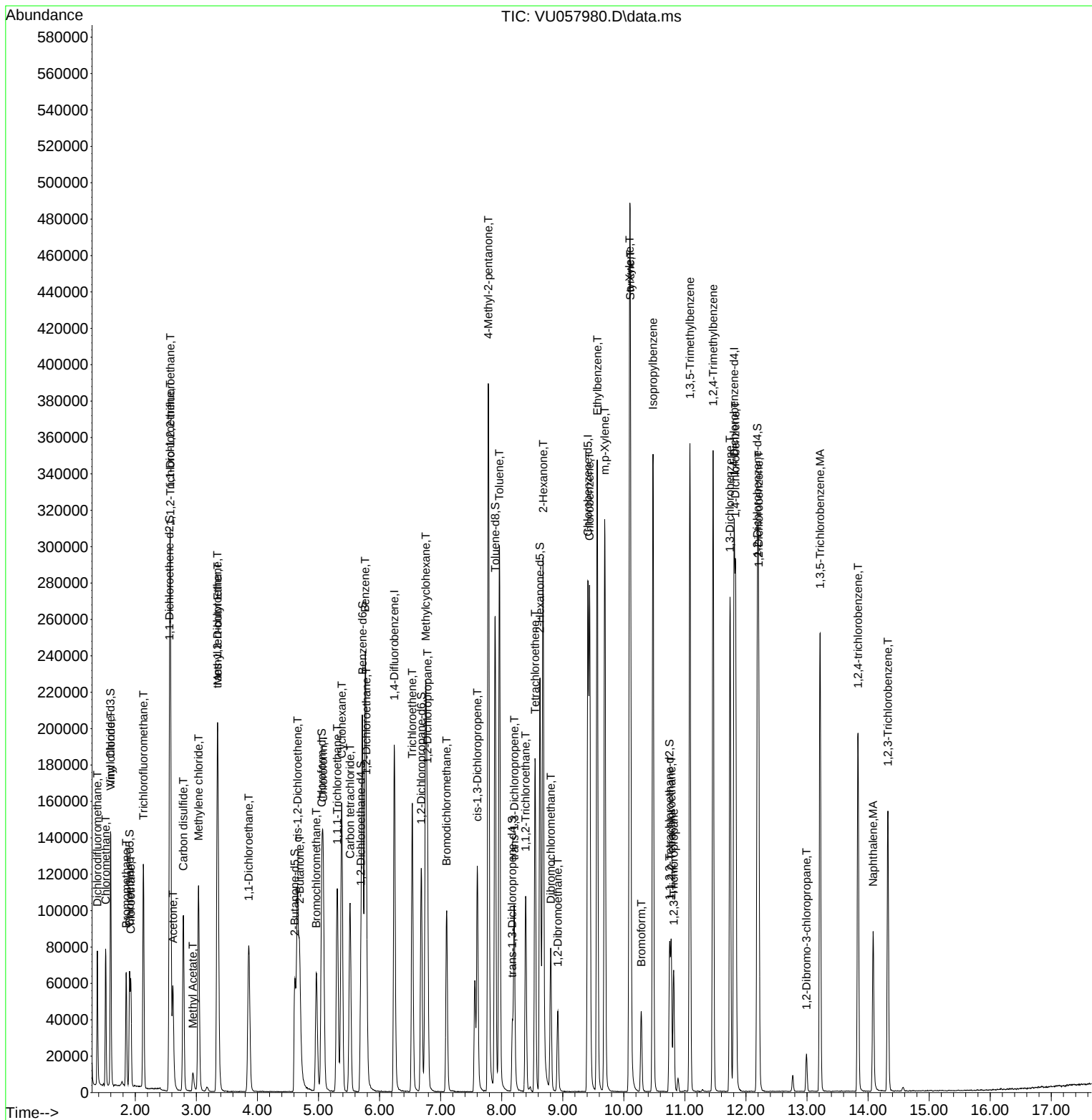
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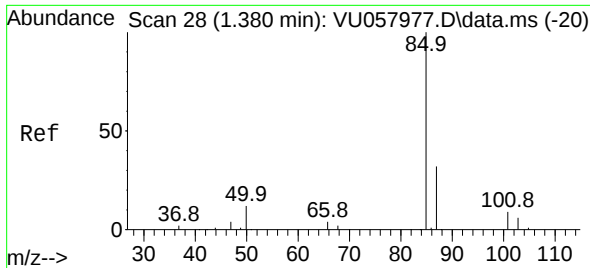
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 01 22:42:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	56914	4.976	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	81923	4.748	ug/L	99
30) Cyclohexane	5.380	56	80277	4.608	ug/L	99
31) Carbon tetrachloride	5.518	117	70967	4.733	ug/L	98
33) Benzene	5.766	78	211558	4.756	ug/L	100
34) Trichloroethene	6.537	95	55022	4.701	ug/L	97
35) Methylcyclohexane	6.756	83	84344	4.701	ug/L	100
37) 1,2-Dichloropropane	6.785	63	55719	4.858	ug/L	98
38) Bromodichloromethane	7.100	83	66609	4.786	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	74598	4.720	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	263778	49.988	ug/L	99
42) Toluene	7.962	91	222412	4.801	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	59296	4.708	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	32434	4.769	ug/L	98
47) Tetrachloroethene	8.547	164	38024	4.683	ug/L	97
48) 2-Hexanone	8.679	43	197655	51.077	ug/L	100
49) Dibromochloromethane	8.804	129	39267	4.877	ug/L	98
50) 1,2-Dibromoethane	8.920	107	30607	5.071	ug/L	96
51) Chlorobenzene	9.441	112	137118	4.720	ug/L	100
52) Ethylbenzene	9.566	91	249216	4.807	ug/L	100
53) m,p-Xylene	9.688	106	90371	4.879	ug/L	98
54) o-Xylene	10.097	106	86734	4.698	ug/L	100
55) Styrene	10.110	104	140783	4.859	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	39449	4.924	ug/L	95
59) Bromoform	10.286	173	19482	4.864	ug/L	98
60) Isopropylbenzene	10.479	105	225880	4.723	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	28596	4.861	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	192755	4.778	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	192170	4.827	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	102509	4.715	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	101023	4.747	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	91989	4.847	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	5894	5.050	ug/L #	89
69) 1,3,5-Trichlorobenzene	13.216	180	75385	4.820	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	57041	4.855	ug/L	99
71) Naphthalene	14.084	128	73157	4.559	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	44597	4.805	ug/L	99

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

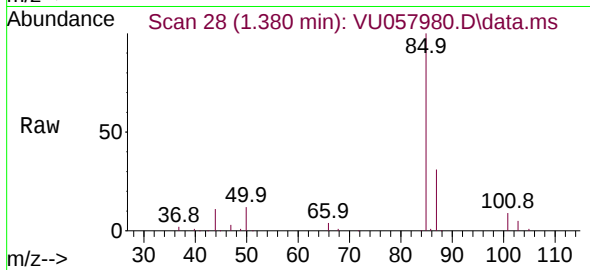
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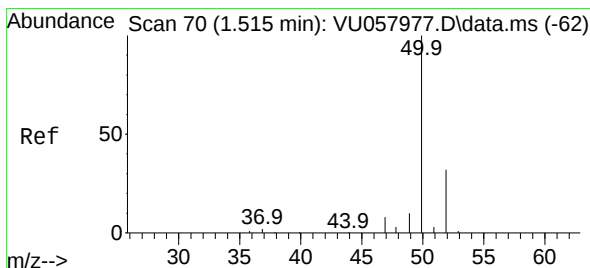
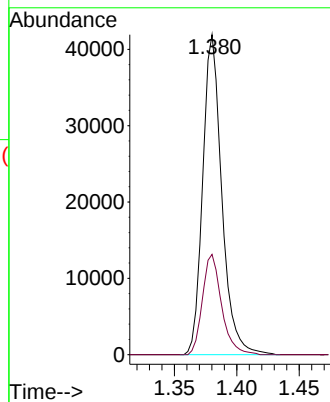
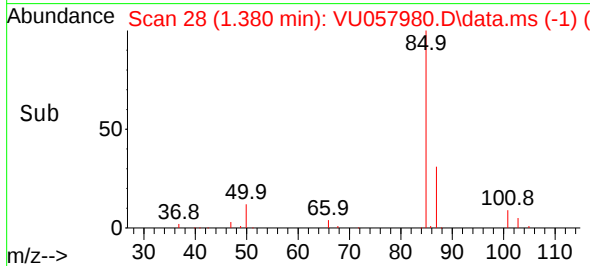


#2
 Dichlorodifluoromethane
 Concen: 4.764 ug/L
 RT: 1.380 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU057980.D
 Acq: 01 Mar 2024 16:14

Instrument :
 MSVOA_U
 ClientSampleId :

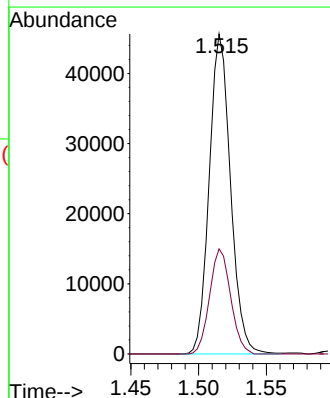
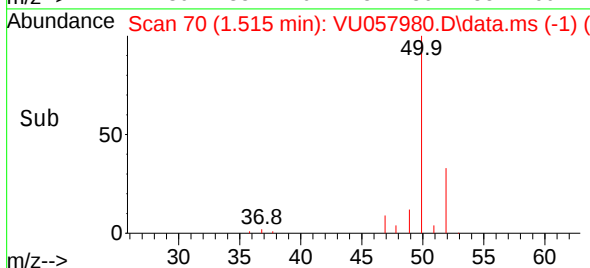
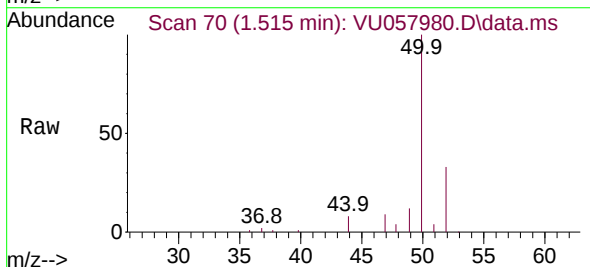


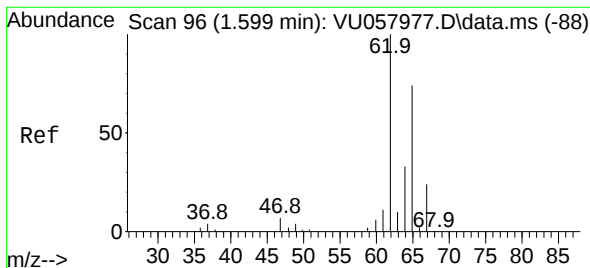
Tgt Ion: 85 Resp: 44554
 Ion Ratio Lower Upper
 85 100
 87 31.4 25.8 38.6



#3
 Chloromethane
 Concen: 4.549 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057980.D
 Acq: 01 Mar 2024 16:14

Tgt Ion: 50 Resp: 49746
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.1 42.9





#5

Vinyl chloride

Concen: 4.611 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

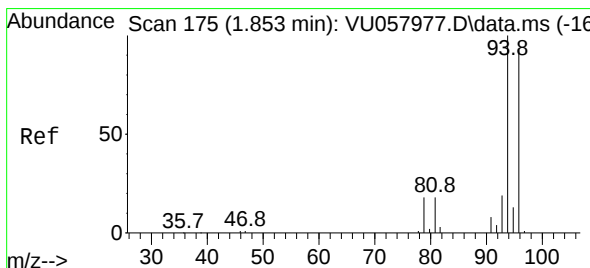
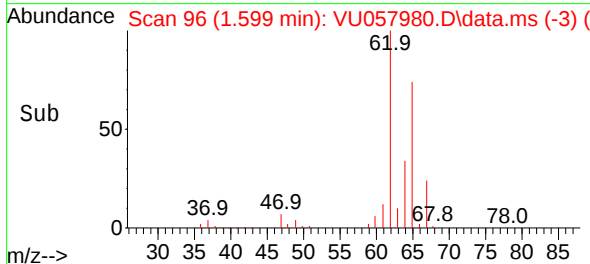
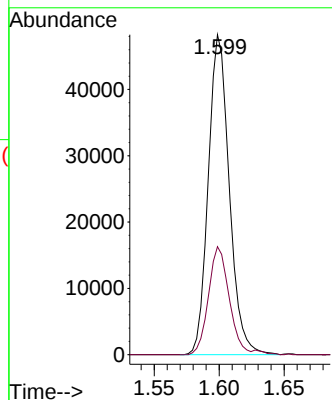
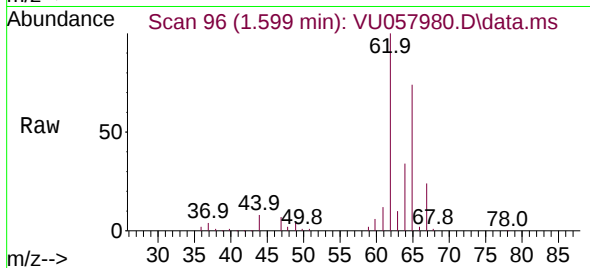
ClientSampleId :

Tgt Ion: 62 Resp: 54246

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.7



#6

Bromomethane

Concen: 4.540 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU057980.D

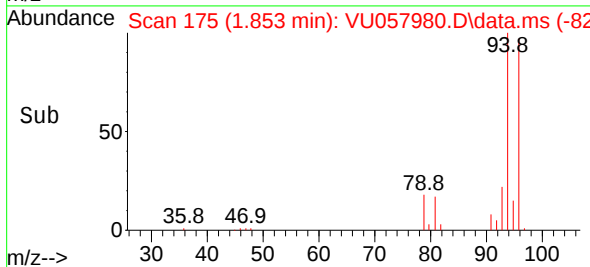
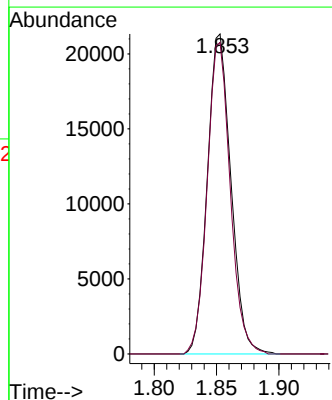
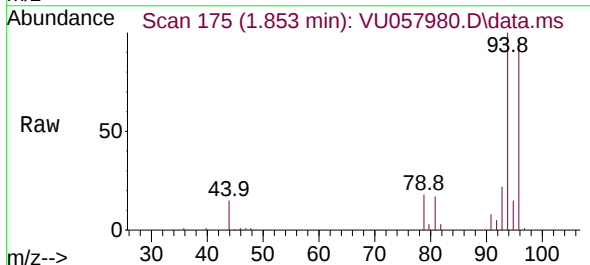
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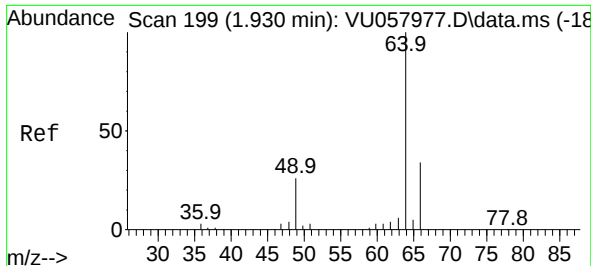
Tgt Ion: 94 Resp: 28129

Ion Ratio Lower Upper

94 100

96 97.3 65.2 121.2

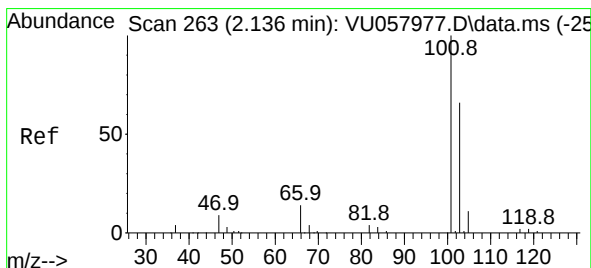
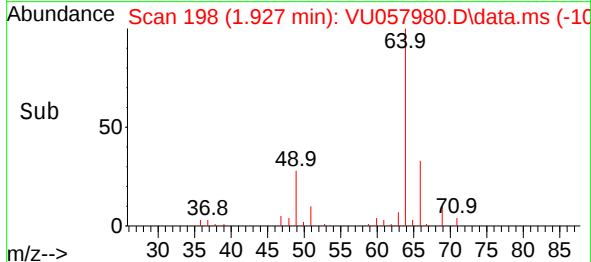
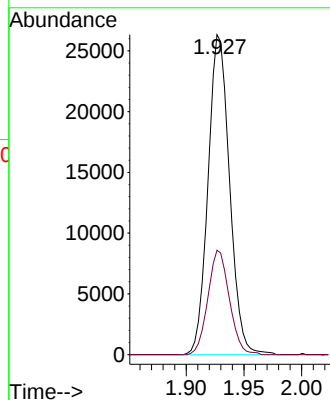
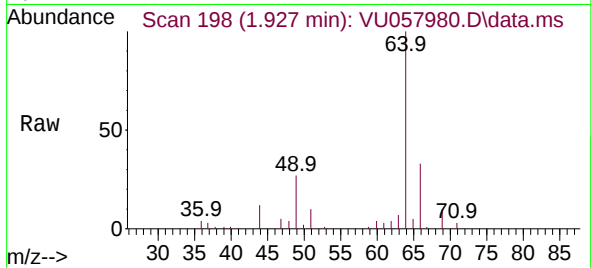




#8
Chloroethane
Concen: 4.610 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.003 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

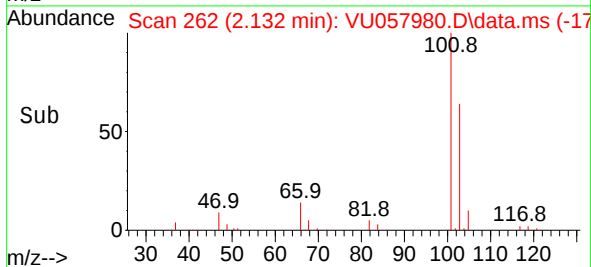
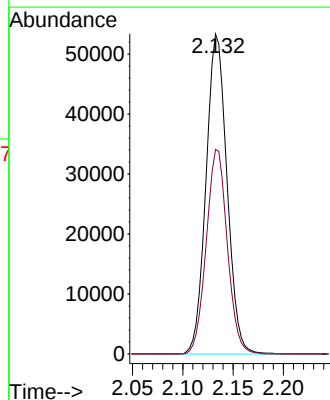
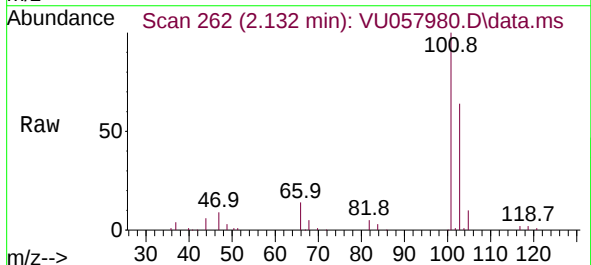
Instrument :
MSVOA_U
ClientSampleId :

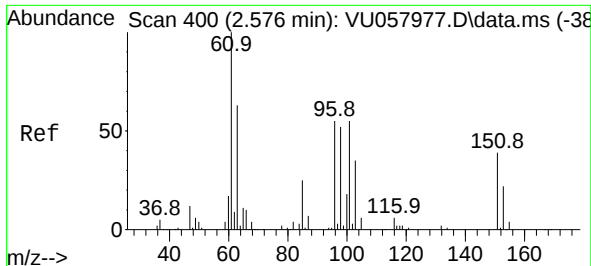
Tgt Ion: 64 Resp: 34147
Ion Ratio Lower Upper
64 100
66 32.6 20.9 38.9



#9
Trichlorofluoromethane
Concen: 4.610 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

Tgt Ion:101 Resp: 77250
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2

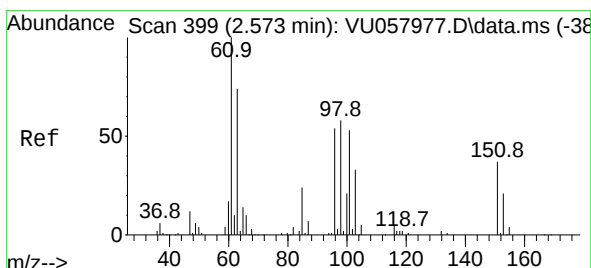
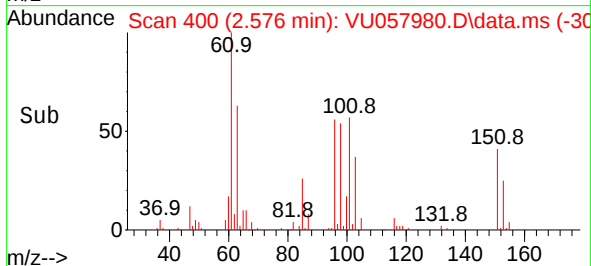
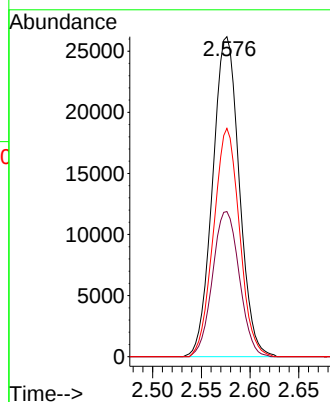
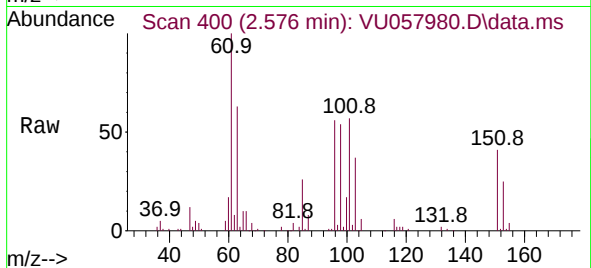




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.758 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

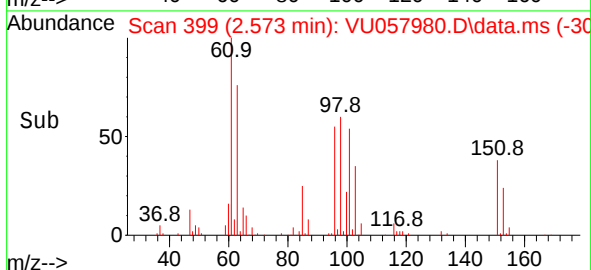
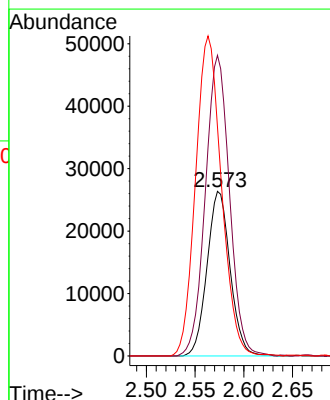
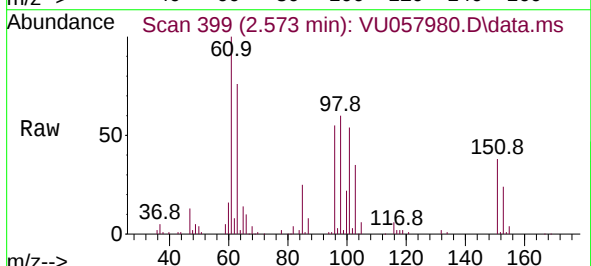
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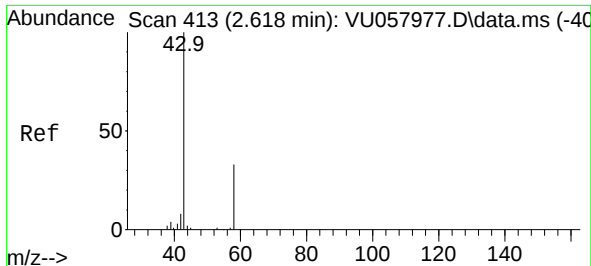
Tgt Ion:101 Resp: 49847
Ion Ratio Lower Upper
101 100
85 45.5 37.3 55.9
151 69.6 56.0 84.0



#12
1,1-Dichloroethene
Concen: 4.660 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

Tgt Ion: 96 Resp: 43407
Ion Ratio Lower Upper
96 100
61 182.7 131.8 244.8
63 139.1 98.1 182.1





#13

Acetone

Concen: 48.502 ug/L

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

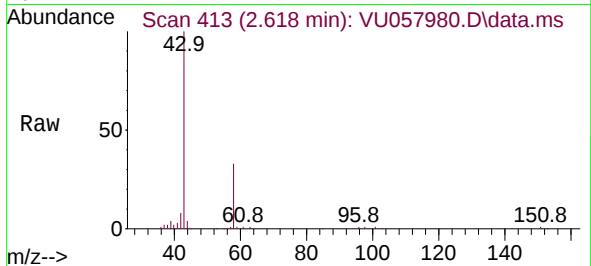
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Instrument :

MSVOA_U

ClientSampleId :

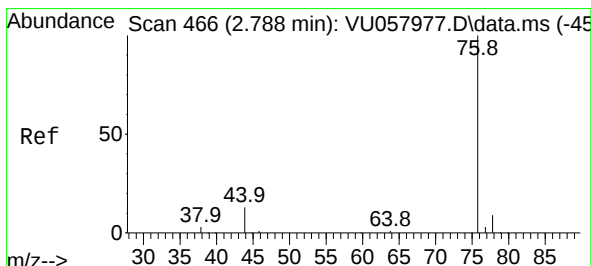
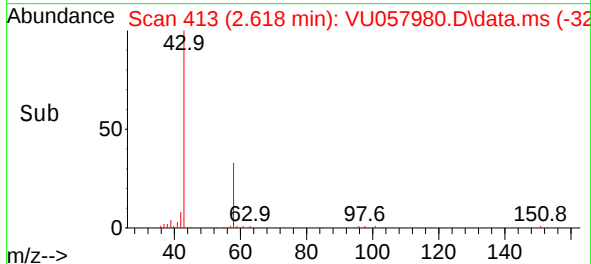
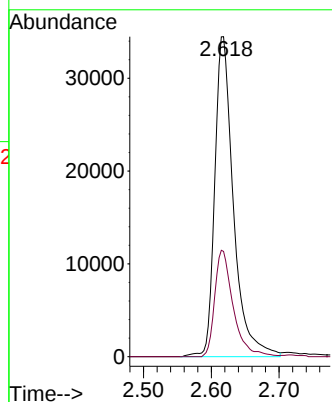


Tgt Ion: 43 Resp: 66053

Ion Ratio Lower Upper

43 100

58 32.9 0.0 63.6



#14

Carbon disulfide

Concen: 4.446 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057980.D

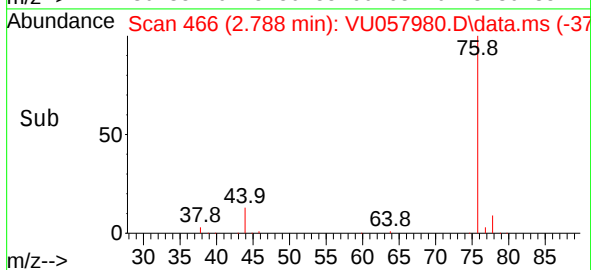
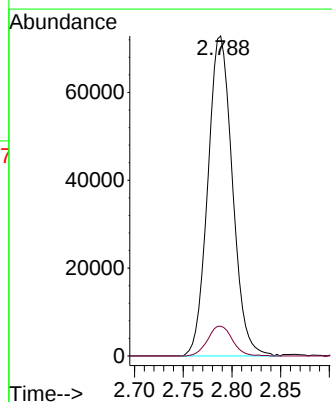
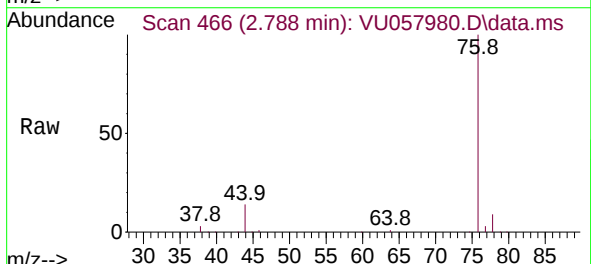
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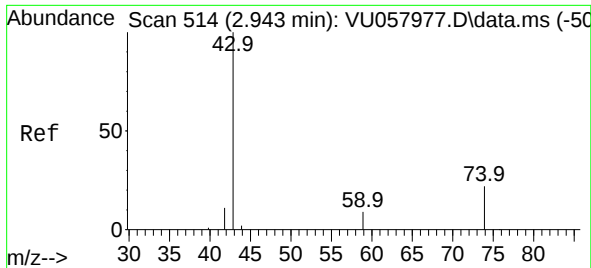
Tgt Ion: 76 Resp: 128051

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





#15

Methyl Acetate

Concen: 5.254 ug/L

RT: 2.943 min Scan# 514

Delta R.T. 0.000 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

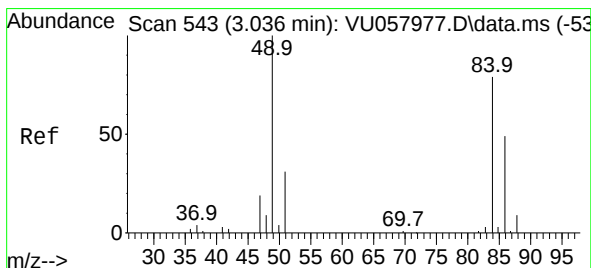
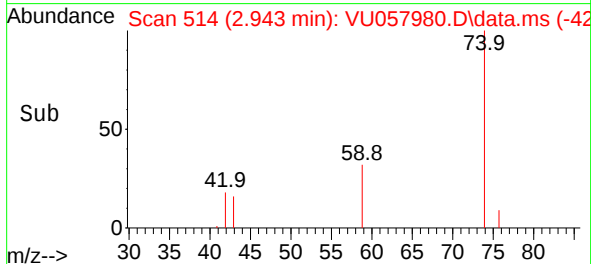
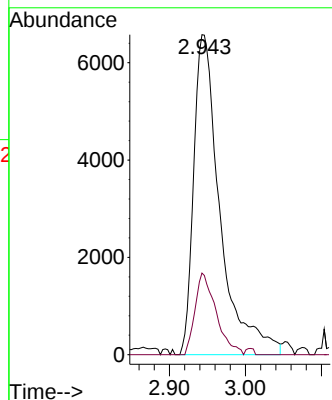
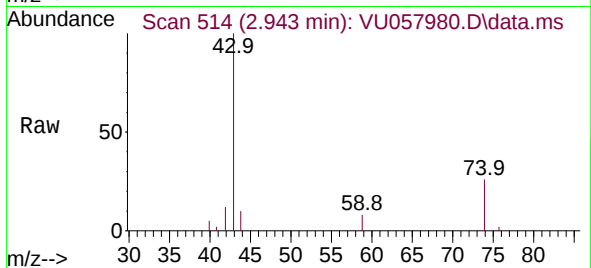
ClientSampleId :

Tgt Ion: 43 Resp: 15879

Ion Ratio Lower Upper

43 100

74 20.3 20.6 31.0#



#16

Methylene chloride

Concen: 4.568 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

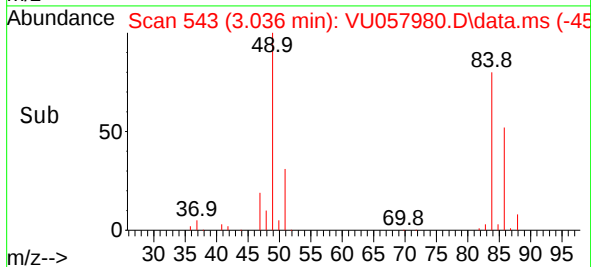
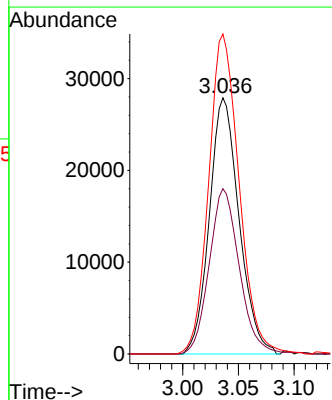
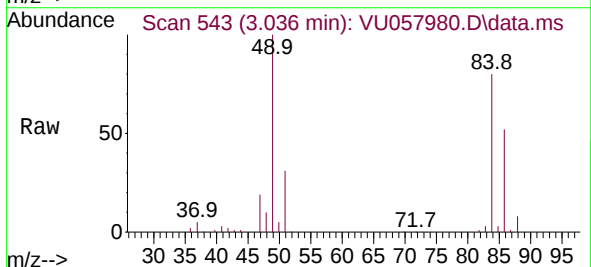
Tgt Ion: 84 Resp: 51711

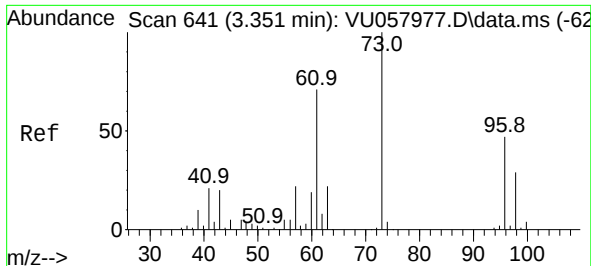
Ion Ratio Lower Upper

84 100

86 64.5 44.4 82.4

49 124.9 88.8 165.0

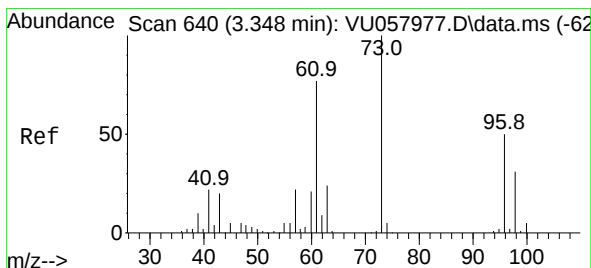
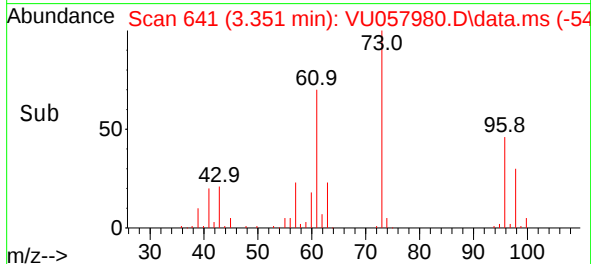
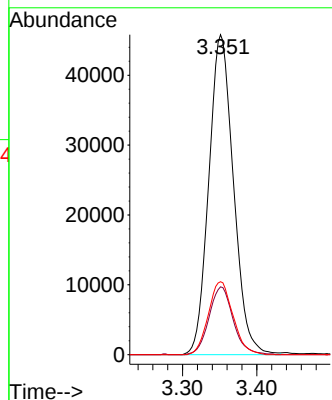
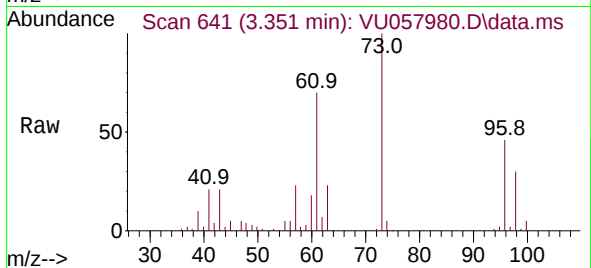




#17
Methyl tert-butyl Ether
Concen: 4.796 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

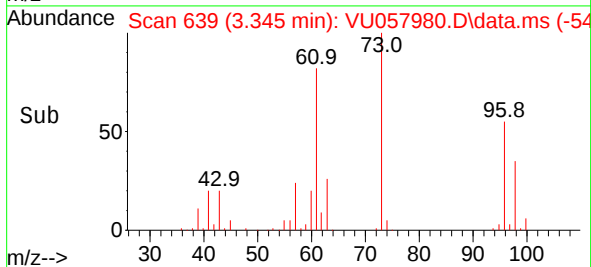
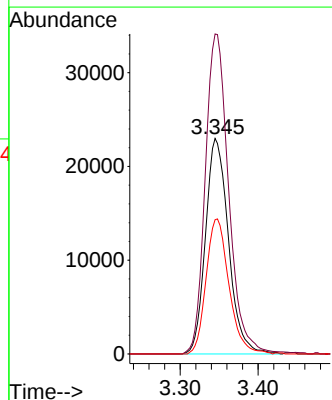
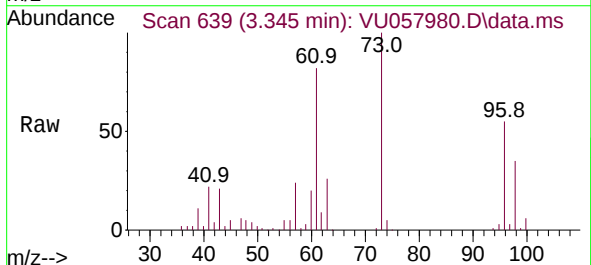
Instrument :
MSVOA_U
ClientSampleId :

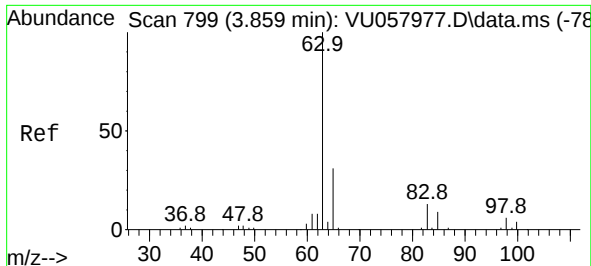
Tgt Ion: 73 Resp: 105628
Ion Ratio Lower Upper
73 100
43 20.8 16.2 24.4
57 22.8 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.652 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

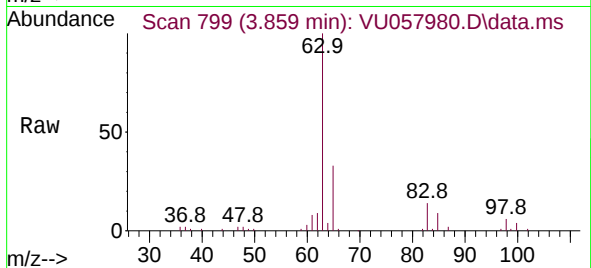
Tgt Ion: 96 Resp: 47200
Ion Ratio Lower Upper
96 100
61 148.5 107.7 199.9
98 62.3 45.8 85.0



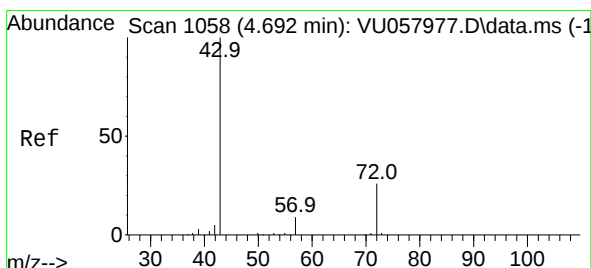
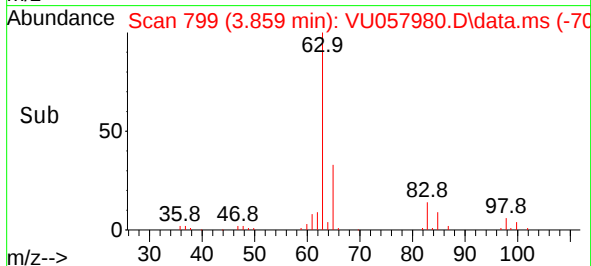
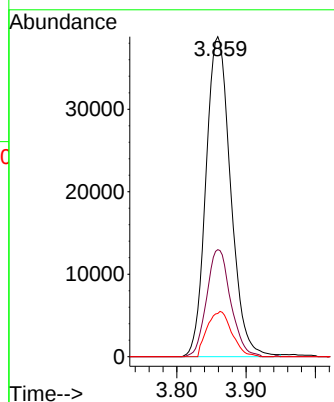


#19
1,1-Dichloroethane
Concen: 4.740 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

Instrument :
MSVOA_U
ClientSampleId :

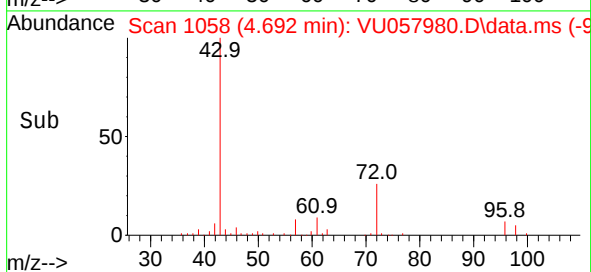
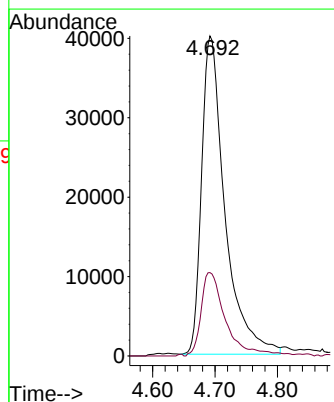
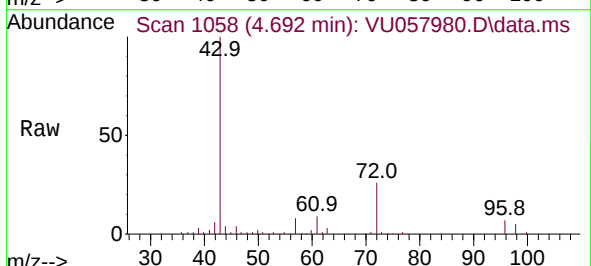


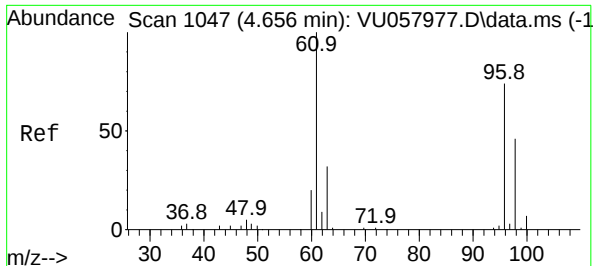
Tgt Ion: 63 Resp: 95933
Ion Ratio Lower Upper
63 100
65 33.4 22.1 41.1
83 13.5 9.0 16.6



#21
2-Butanone
Concen: 48.592 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

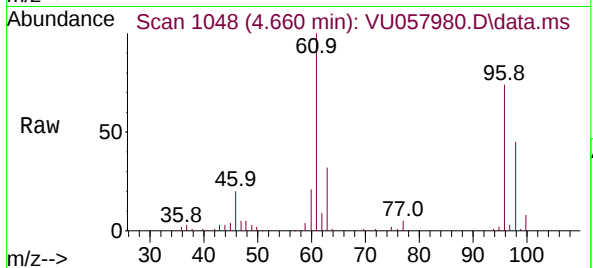
Tgt Ion: 43 Resp: 104273
Ion Ratio Lower Upper
43 100
72 27.1 13.0 39.0



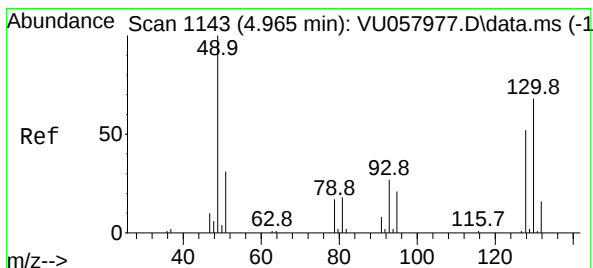
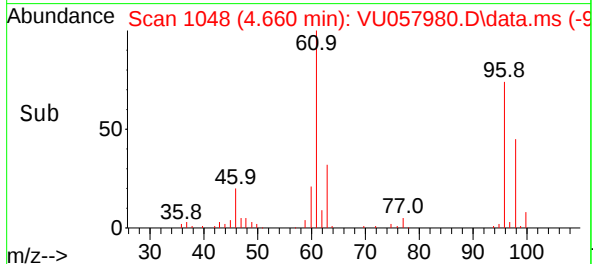
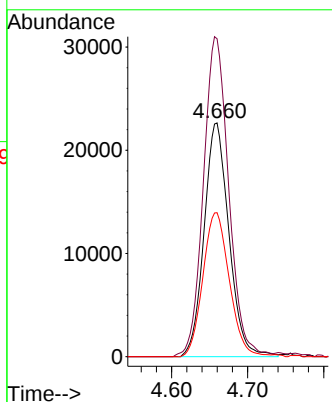


#22
cis-1,2-Dichloroethene
Concen: 4.612 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

Instrument :
MSVOA_U
ClientSampleId :

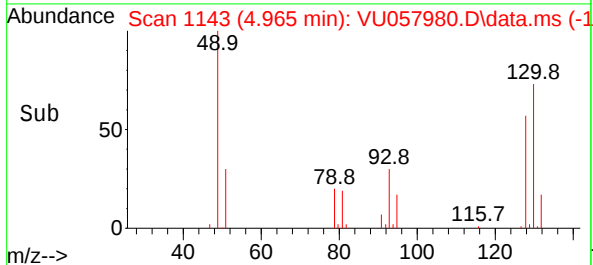
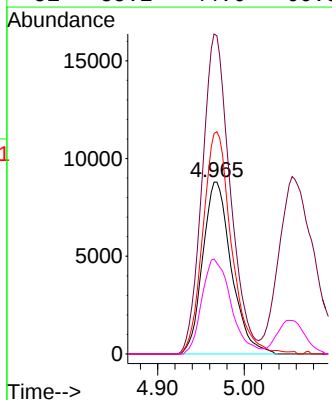
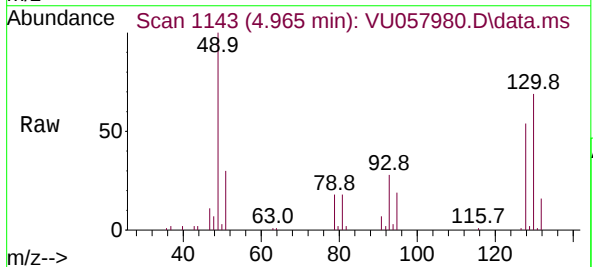


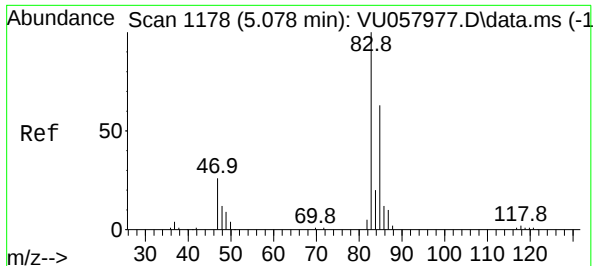
Tgt Ion: 96	Resp: 51466
Ion Ratio	Lower Upper
96	100
61	136.0 97.2 180.4
98	61.6 45.5 84.5



#23
Bromochloromethane
Concen: 4.863 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

Tgt Ion: 128	Resp: 20154
Ion Ratio	Lower Upper
128	100
49	186.2 122.0 226.6
130	128.3 86.6 160.8
51	55.2 44.6 66.8





#25

Chloroform

Concen: 4.727 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

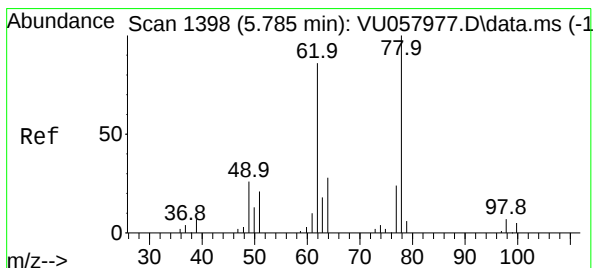
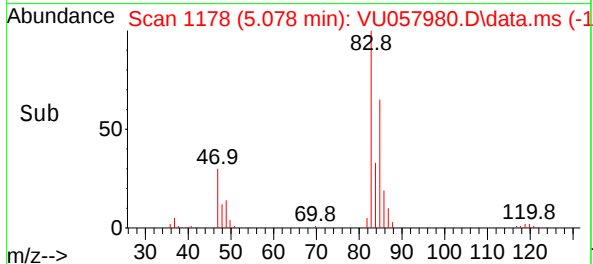
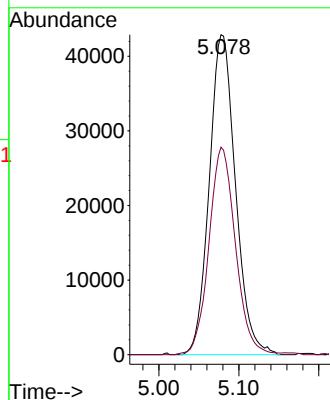
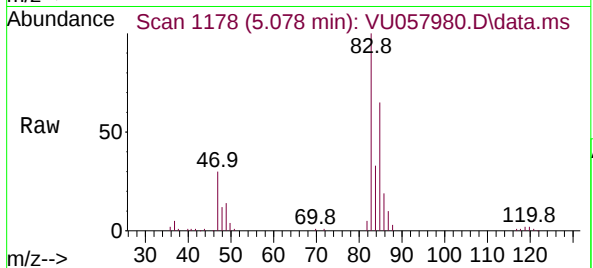
ClientSampleId :

Tgt Ion: 83 Resp: 97674

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.4



#27

1,2-Dichloroethane

Concen: 4.976 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU057980.D

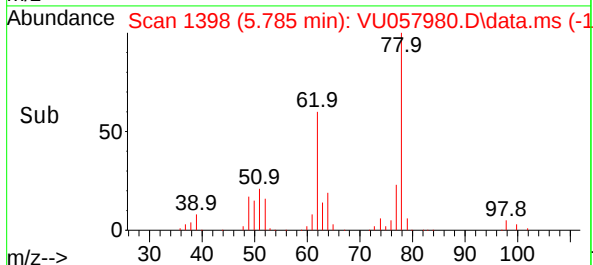
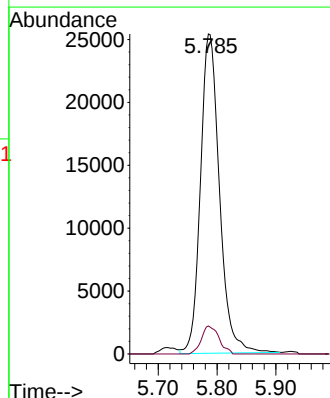
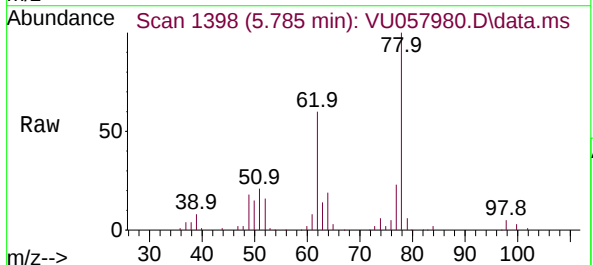
Acq: 01 Mar 2024 16:14

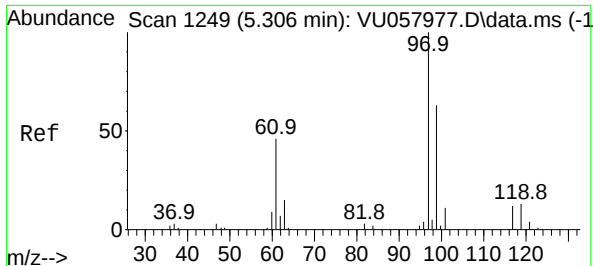
Tgt Ion: 62 Resp: 56914

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.4

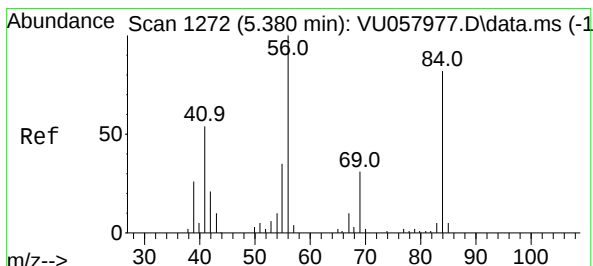
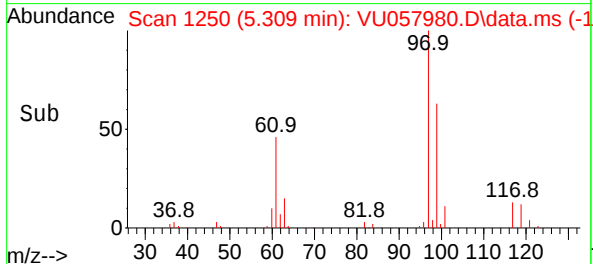
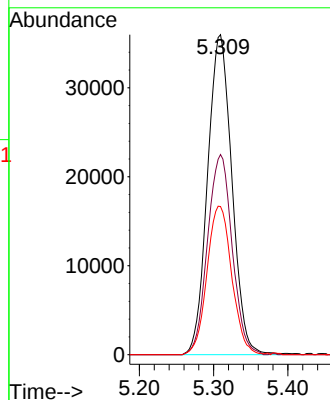
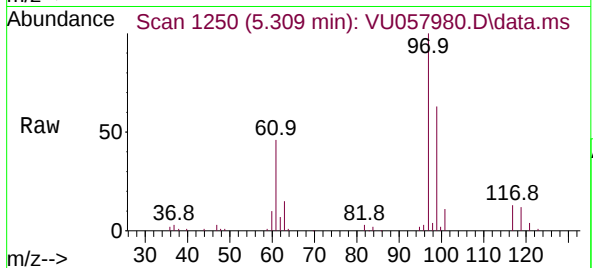




#29
1,1,1-Trichloroethane
Concen: 4.748 ug/L
RT: 5.309 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

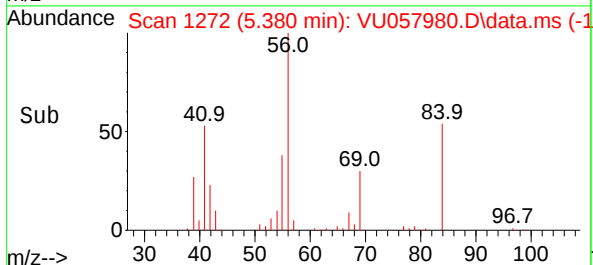
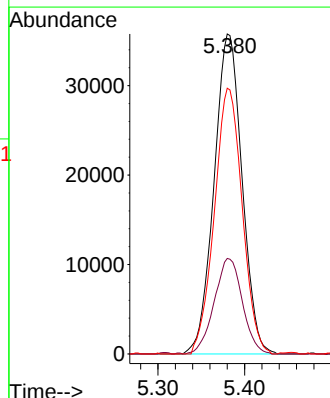
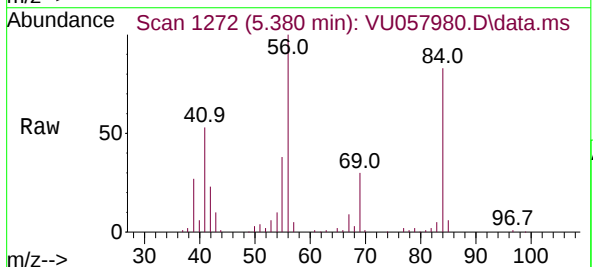
Instrument :
MSVOA_U
ClientSampleId :

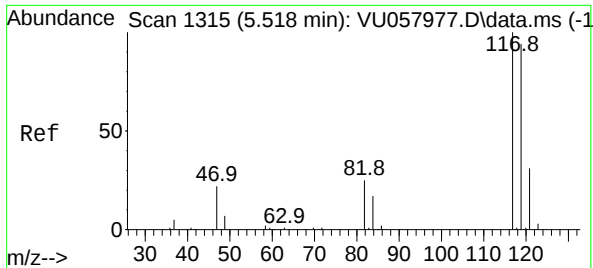
Tgt Ion: 97 Resp: 81923
Ion Ratio Lower Upper
97 100
99 63.3 51.2 76.8
61 47.1 37.4 56.2



#30
Cyclohexane
Concen: 4.608 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

Tgt Ion: 56 Resp: 80277
Ion Ratio Lower Upper
56 100
69 30.0 24.2 36.2
84 82.6 66.6 99.8

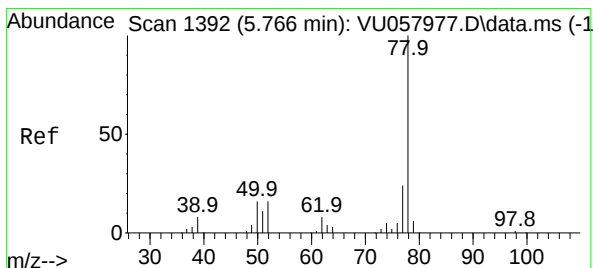
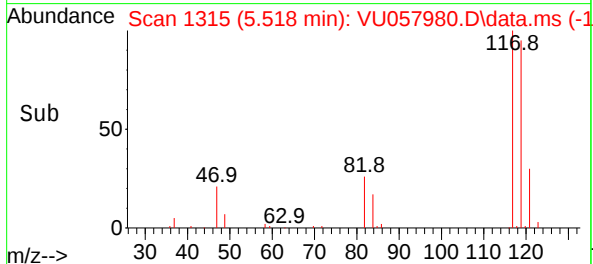
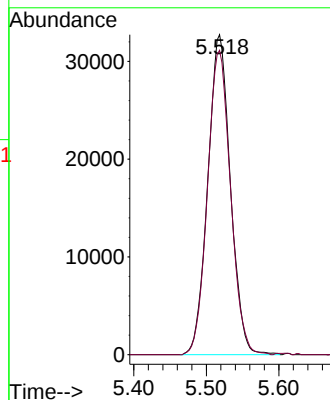
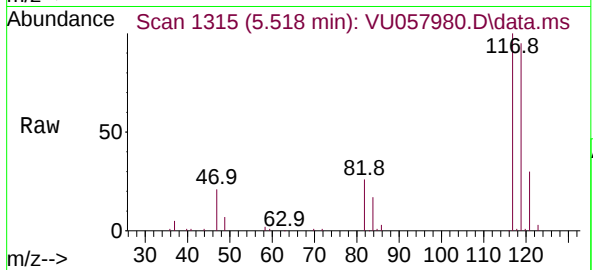




#31
Carbon tetrachloride
Concen: 4.733 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

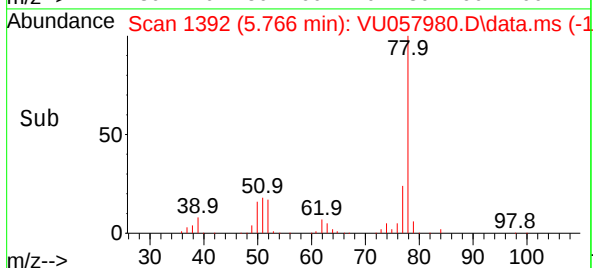
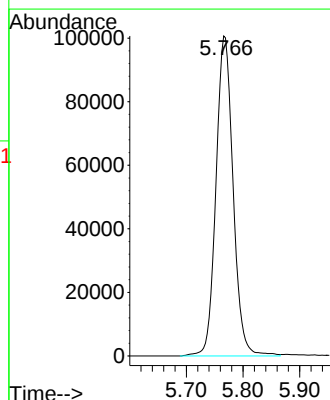
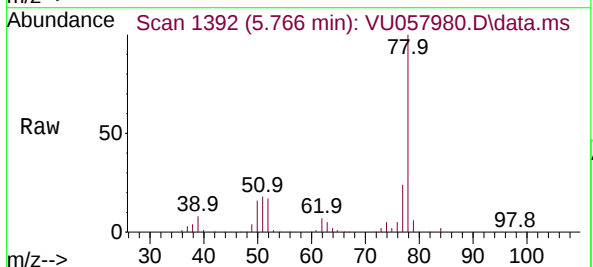
Instrument :
MSVOA_U
ClientSampleId :

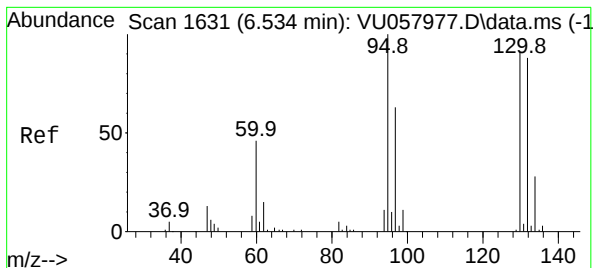
Tgt Ion:117 Resp: 70967
Ion Ratio Lower Upper
117 100
119 96.9 75.8 113.8



#33
Benzene
Concen: 4.756 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

Tgt Ion: 78 Resp: 211558





#34

Trichloroethene

Concen: 4.701 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 55022

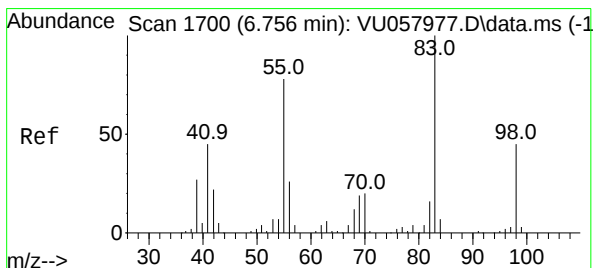
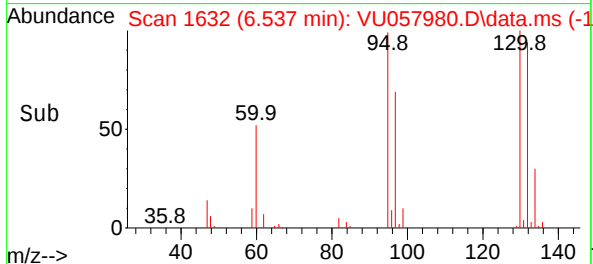
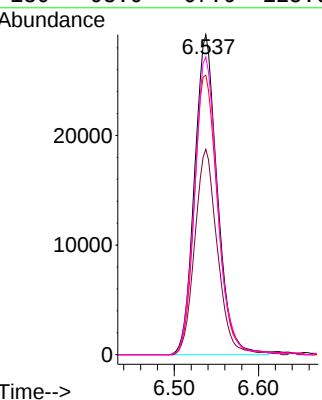
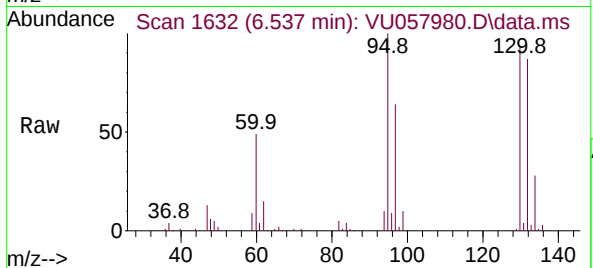
Ion Ratio Lower Upper

95 100

97 64.2 45.3 84.1

132 87.3 63.1 117.1

130 93.0 67.6 125.6



#35

Methylcyclohexane

Concen: 4.701 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

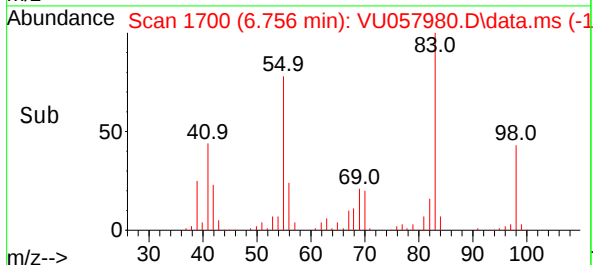
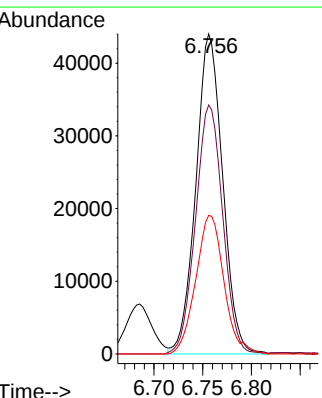
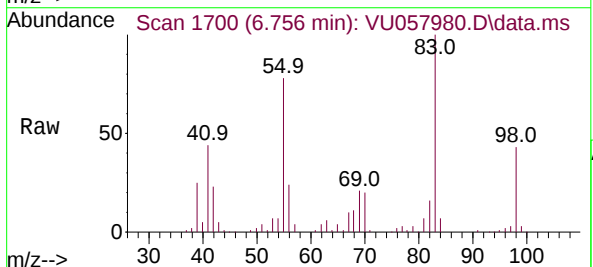
Tgt Ion: 83 Resp: 84344

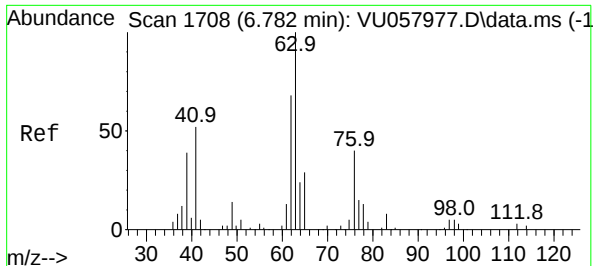
Ion Ratio Lower Upper

83 100

55 78.9 63.0 94.6

98 45.4 36.2 54.4

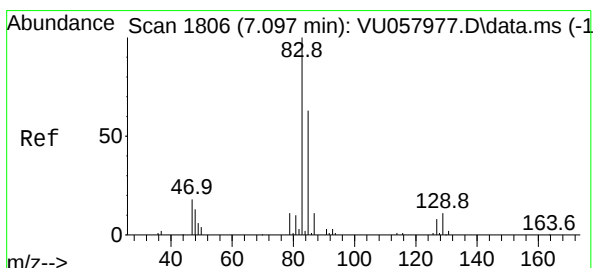
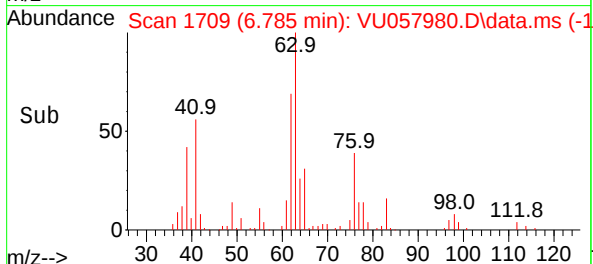
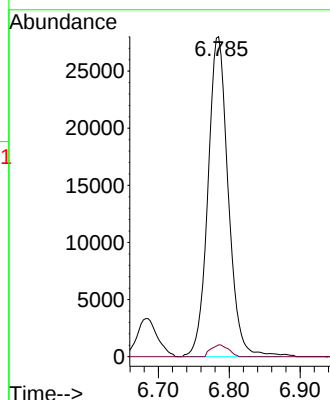
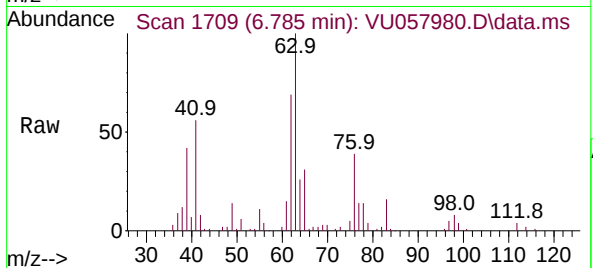




#37
1,2-Dichloropropane
Concen: 4.858 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

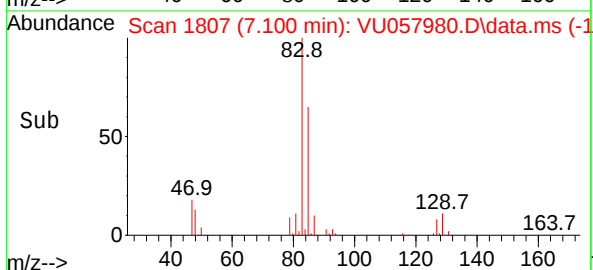
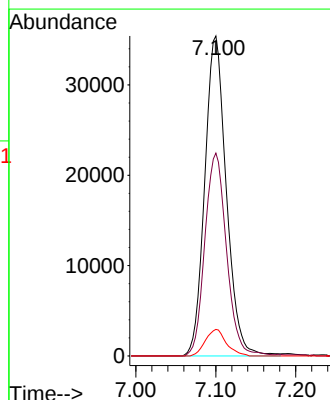
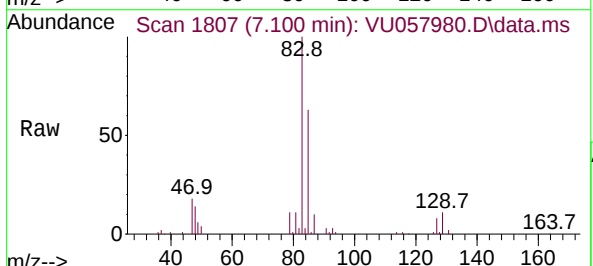
Instrument :
MSVOA_U
ClientSampleId :

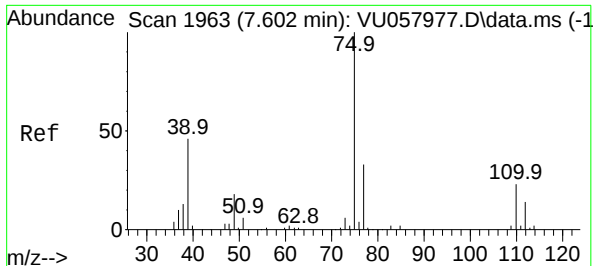
Tgt Ion: 63 Resp: 55719
Ion Ratio Lower Upper
63 100
112 3.2 3.0 4.4



#38
Bromodichloromethane
Concen: 4.786 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

Tgt Ion: 83 Resp: 66609
Ion Ratio Lower Upper
83 100
85 63.4 44.5 82.7
127 8.3 6.6 9.8

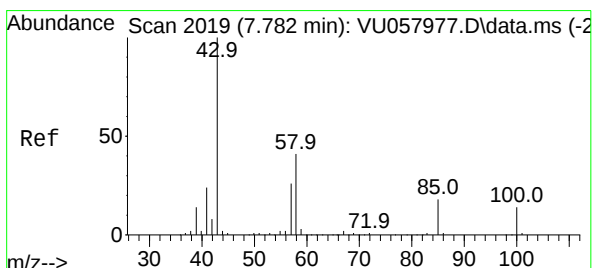
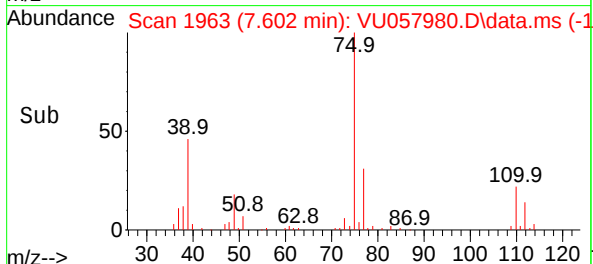
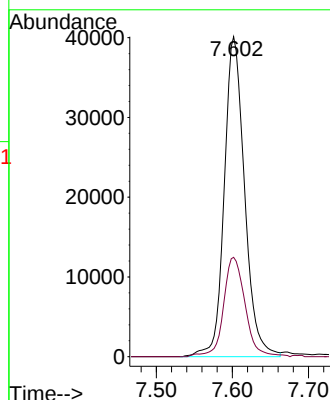
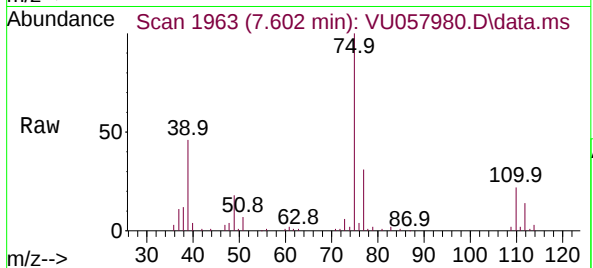




#39
cis-1,3-Dichloropropene
Concen: 4.720 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

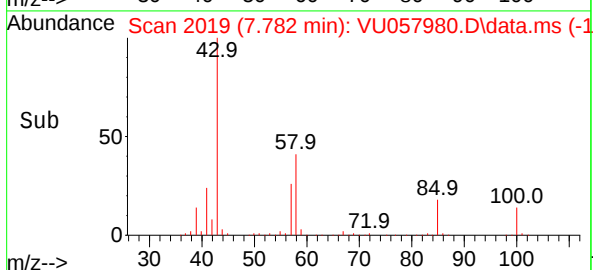
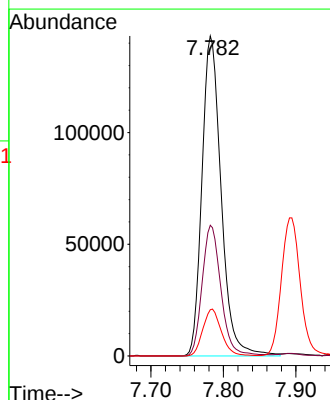
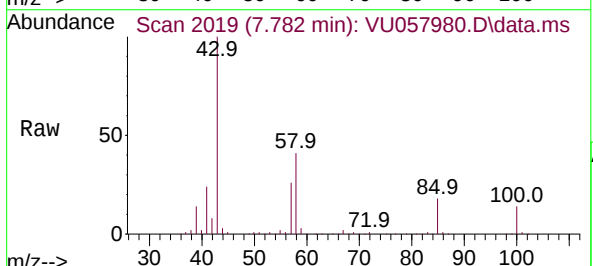
Instrument :
MSVOA_U
ClientSampleId :

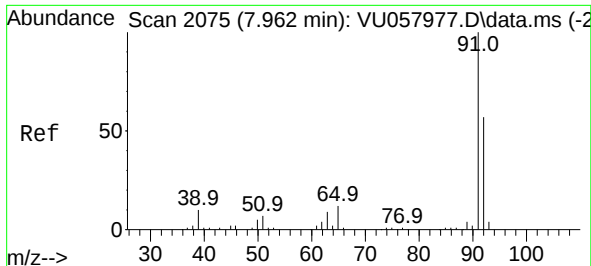
Tgt Ion: 75 Resp: 74598
Ion Ratio Lower Upper
75 100
77 31.1 22.3 41.5



#40
4-Methyl-2-pentanone
Concen: 49.988 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

Tgt Ion: 43 Resp: 263778
Ion Ratio Lower Upper
43 100
58 40.1 31.7 47.5
100 14.2 11.3 16.9





#42

Toluene

Concen: 4.801 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

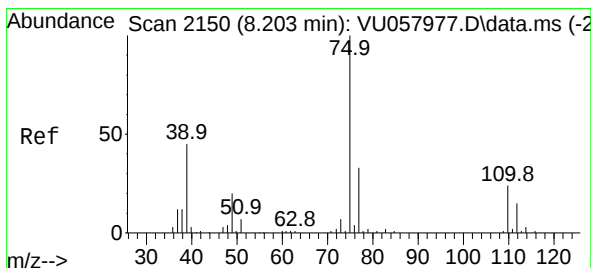
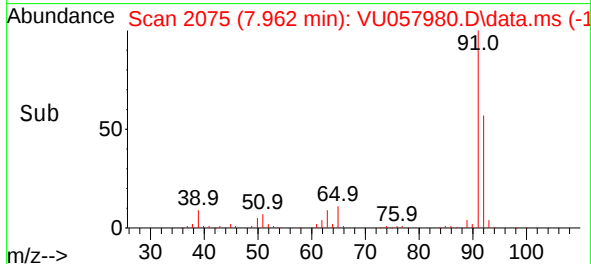
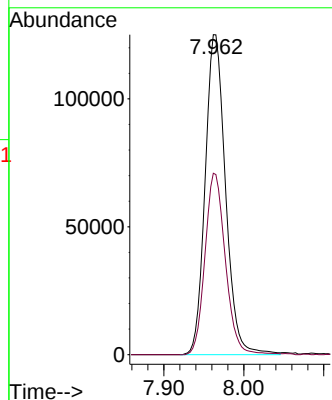
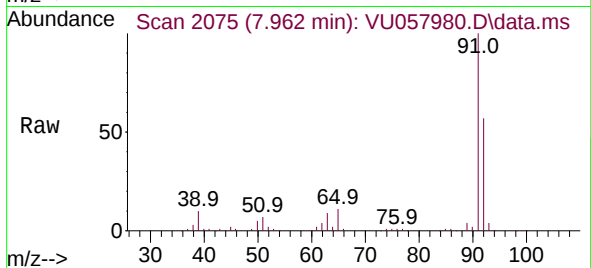
ClientSampleId :

Tgt Ion: 91 Resp: 222412

Ion Ratio Lower Upper

91 100

92 56.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.708 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU057980.D

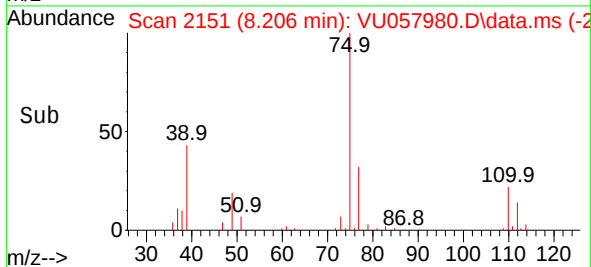
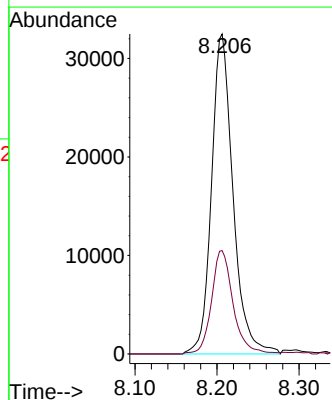
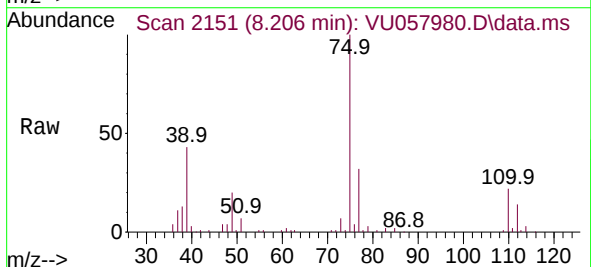
Acq: 01 Mar 2024 16:14

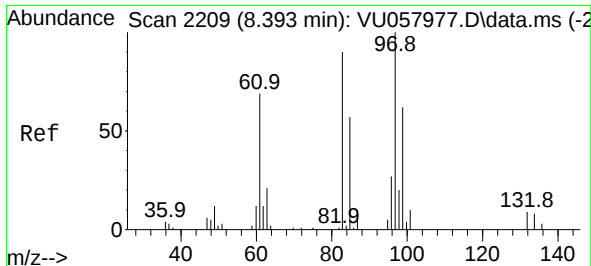
Tgt Ion: 75 Resp: 59296

Ion Ratio Lower Upper

75 100

77 32.3 23.1 42.9

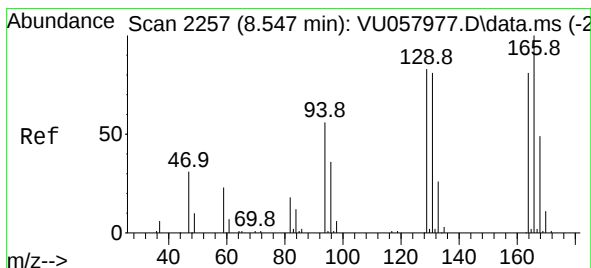
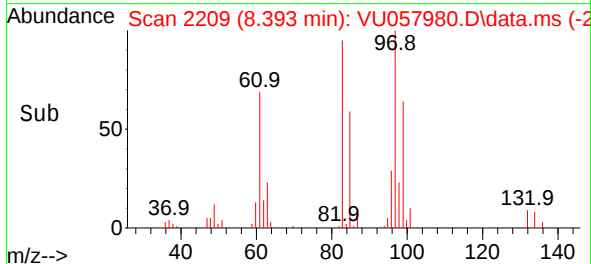
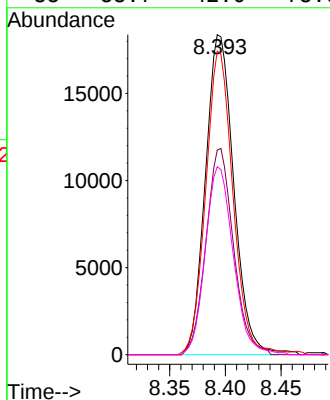
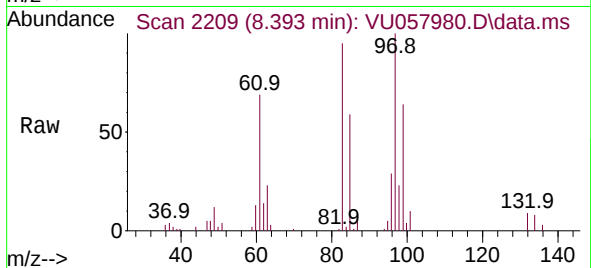




#45
1,1,2-Trichloroethane
Concen: 4.769 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

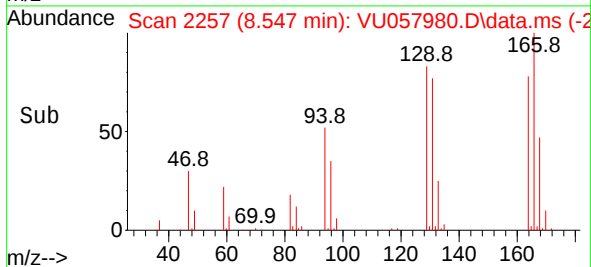
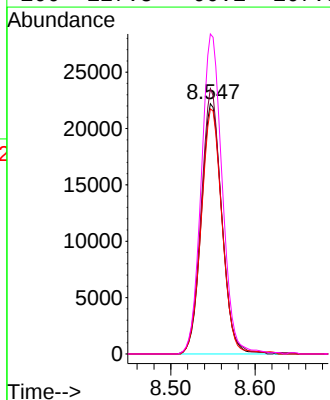
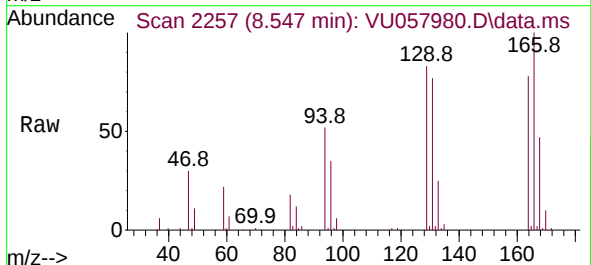
Instrument :
MSVOA_U
ClientSampleId :

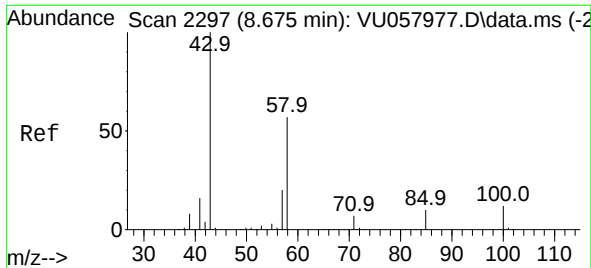
Tgt Ion:	97	Resp:	32434
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.2	82.2
83	94.9	64.2	119.2
85	58.7	42.0	78.0



#47
Tetrachloroethene
Concen: 4.683 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

Tgt Ion:	164	Resp:	38024
Ion	Ratio	Lower	Upper
164	100		
129	106.0	69.3	128.7
131	97.9	69.9	129.9
166	127.8	90.1	167.3

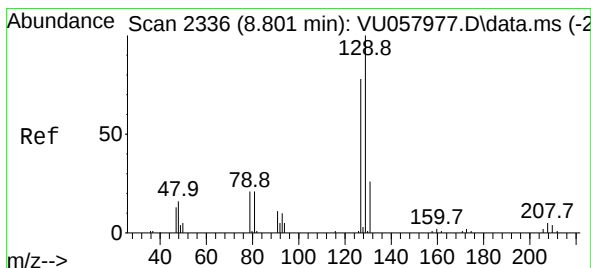
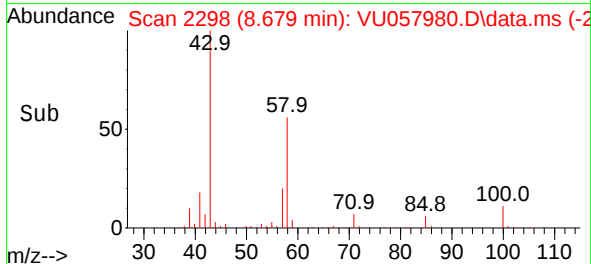
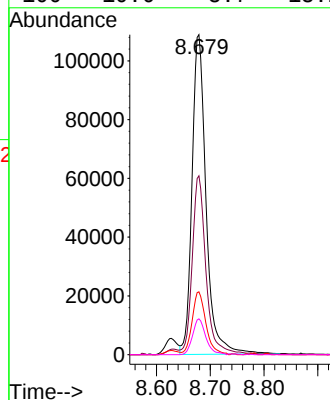
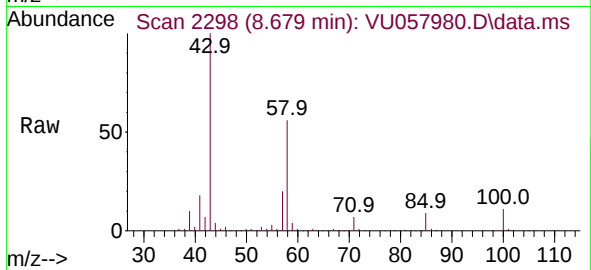




#48
2-Hexanone
Concen: 51.077 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

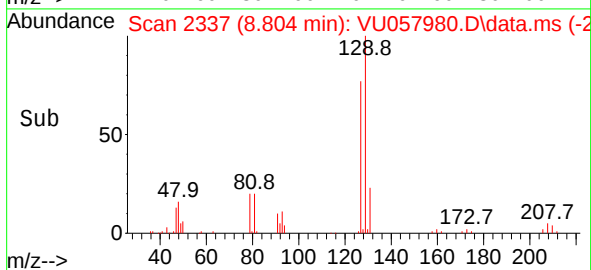
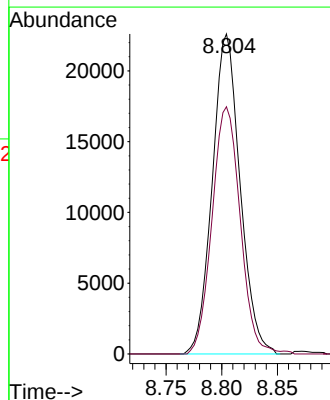
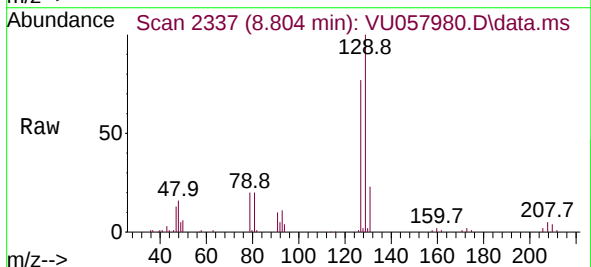
Instrument :
MSVOA_U
ClientSampleId :

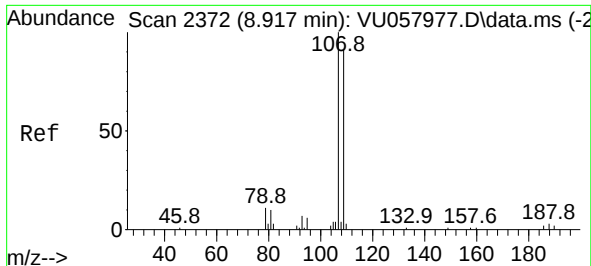
Tgt Ion:	43	Resp:	197655
Ion	Ratio	Lower	Upper
43	100		
58	54.4	43.3	64.9
57	19.3	15.2	22.8
100	10.6	8.7	13.1



#49
Dibromochloromethane
Concen: 4.877 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

Tgt Ion:	129	Resp:	39267
Ion	Ratio	Lower	Upper
129	100		
127	77.2	55.2	102.6





#50

1,2-Dibromoethane

Concen: 5.071 ug/L

RT: 8.920 min Scan# 2372

Delta R.T. 0.003 min

Lab File: VU057980.D

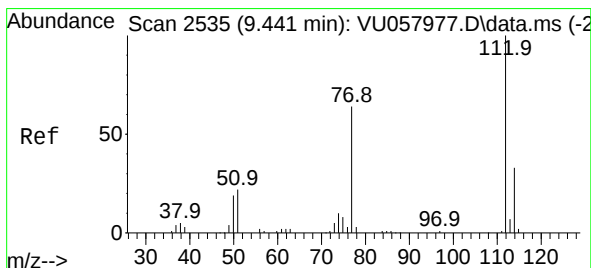
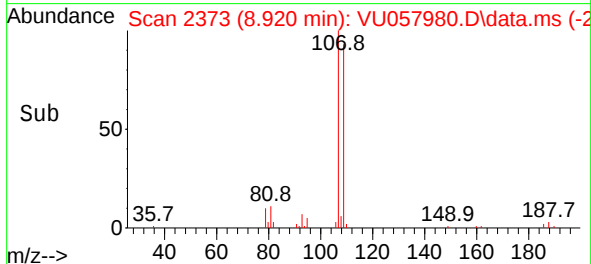
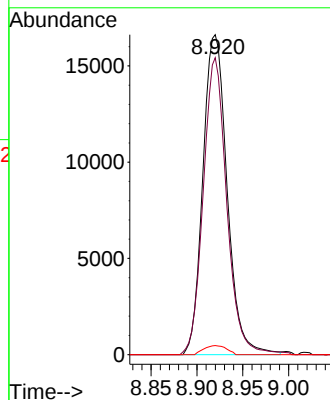
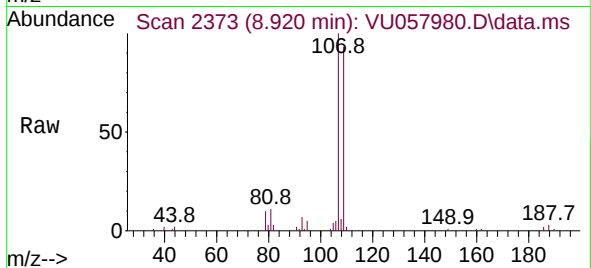
Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	30607
Ion Ratio	Lower	Upper	
107	100		
109	92.8	67.8	125.8
188	2.8	2.4	3.6



#51

Chlorobenzene

Concen: 4.720 ug/L

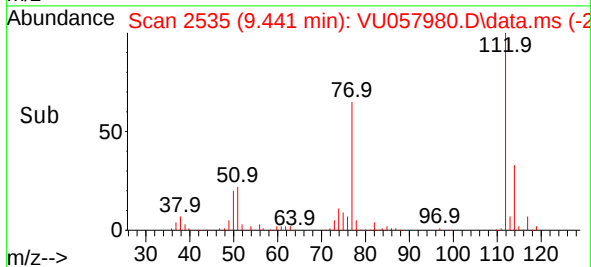
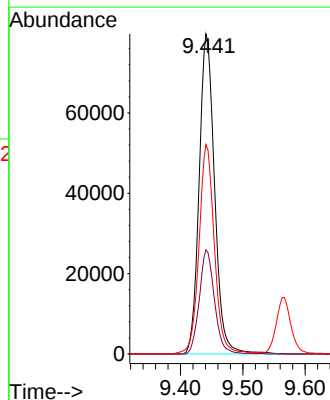
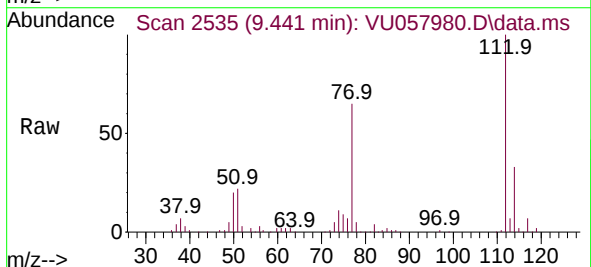
RT: 9.441 min Scan# 2535

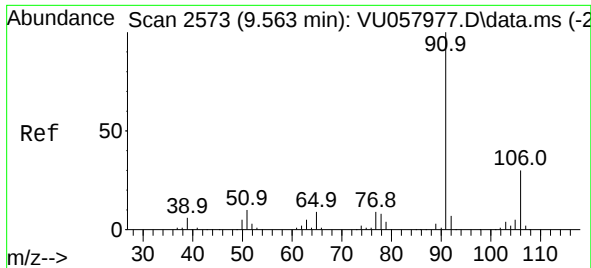
Delta R.T. 0.000 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Tgt Ion:	112	Resp:	137118
Ion Ratio	Lower	Upper	
112	100		
114	32.6	22.7	42.1
77	65.5	52.3	78.5





#52

Ethylbenzene

Concen: 4.807 ug/L

RT: 9.566 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

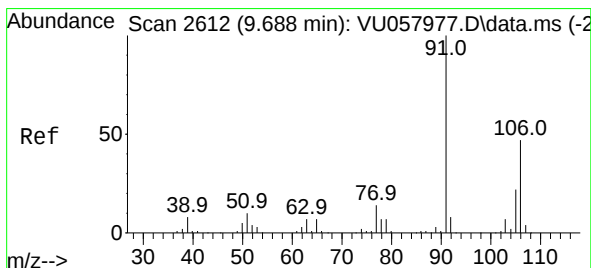
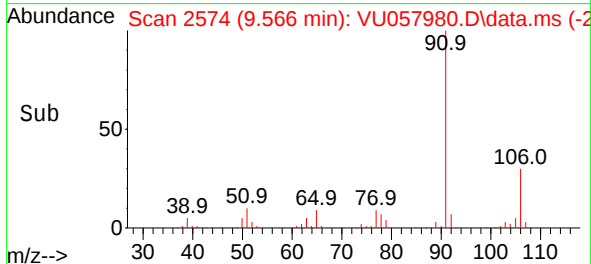
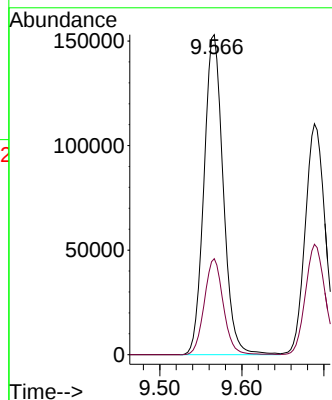
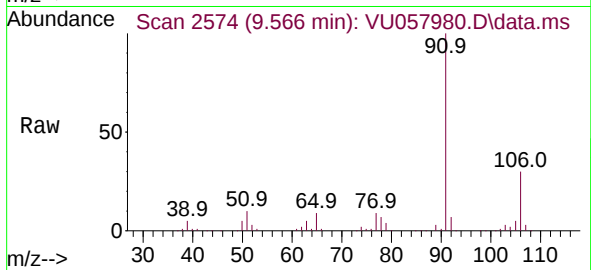
ClientSampleId :

Tgt Ion: 91 Resp: 249216

Ion Ratio Lower Upper

91 100

106 30.0 20.9 38.7



#53

m,p-Xylene

Concen: 4.879 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU057980.D

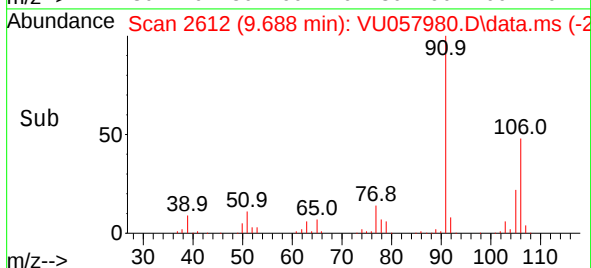
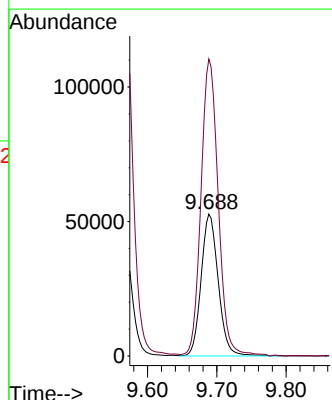
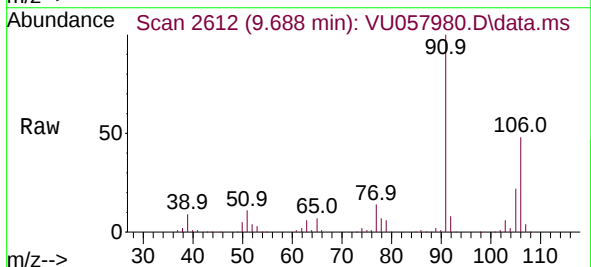
Acq: 01 Mar 2024 16:14

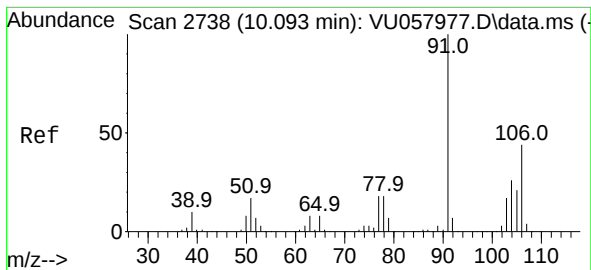
Tgt Ion:106 Resp: 90371

Ion Ratio Lower Upper

106 100

91 209.2 148.8 276.4





#54

o-Xylene

Concen: 4.698 ug/L

RT: 10.097 min Scan# 2738

Delta R.T. 0.003 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

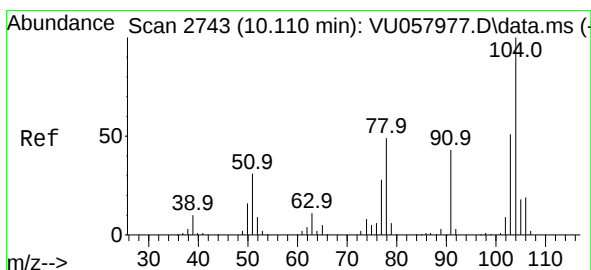
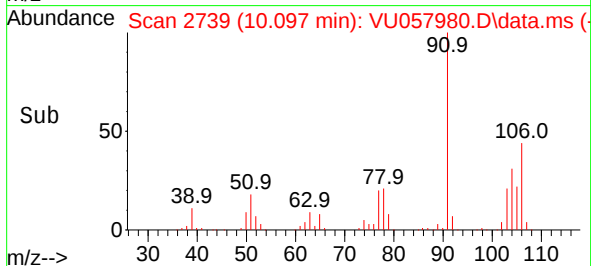
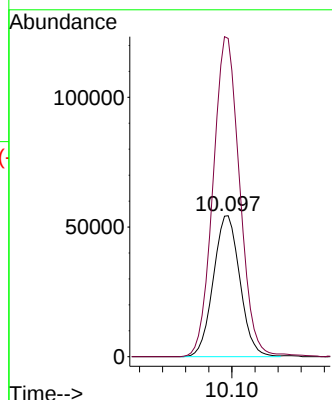
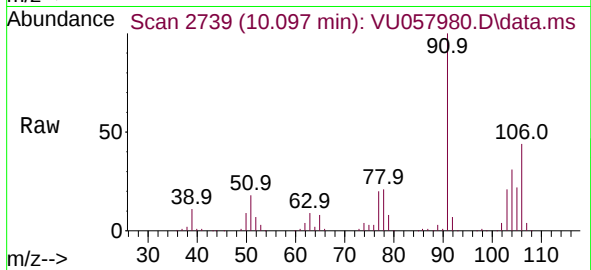
ClientSampleId :

Tgt Ion:106 Resp: 86734

Ion Ratio Lower Upper

106 100

91 225.6 158.3 294.1



#55

Styrene

Concen: 4.859 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057980.D

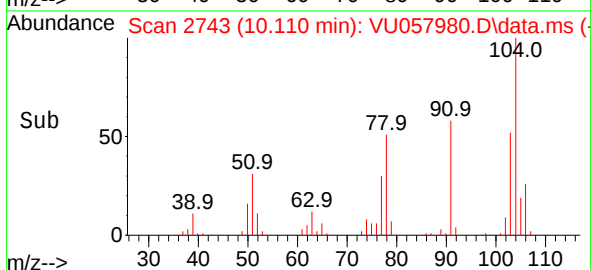
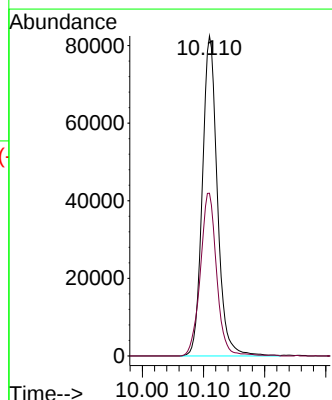
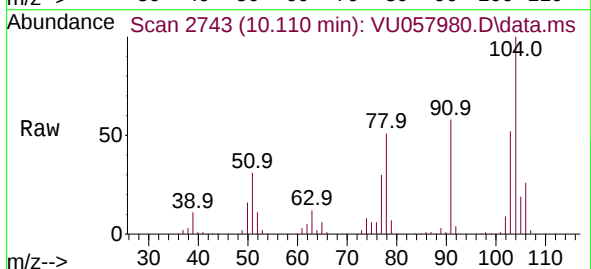
Acq: 01 Mar 2024 16:14

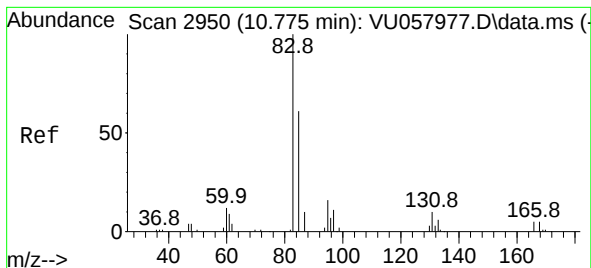
Tgt Ion:104 Resp: 140783

Ion Ratio Lower Upper

104 100

78 50.9 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.924 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

ClientSampleId :

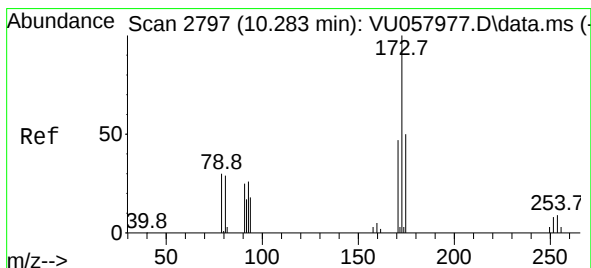
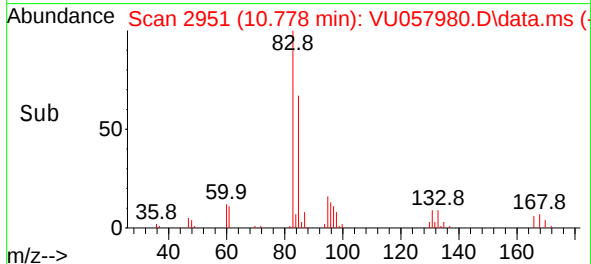
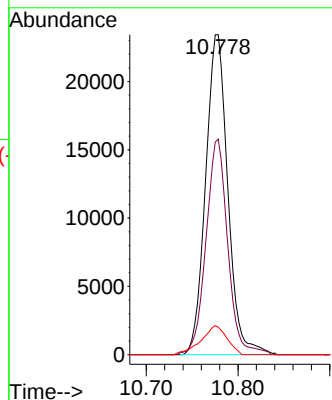
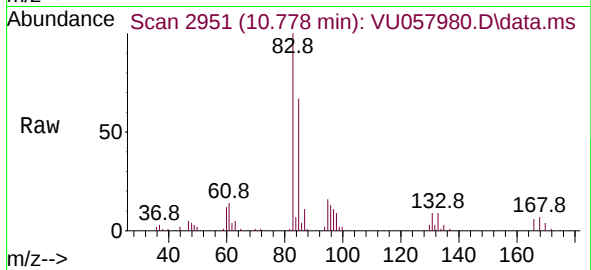
Tgt Ion: 83 Resp: 39449

Ion Ratio Lower Upper

83 100

85 67.4 44.0 81.6

131 8.6 6.9 10.3



#59

Bromoform

Concen: 4.864 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

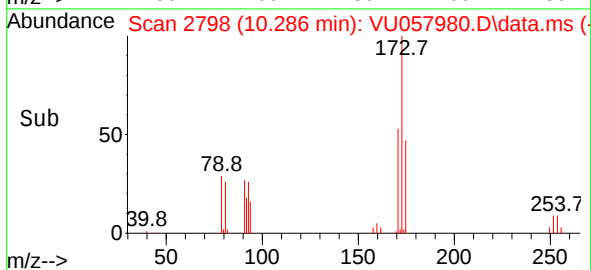
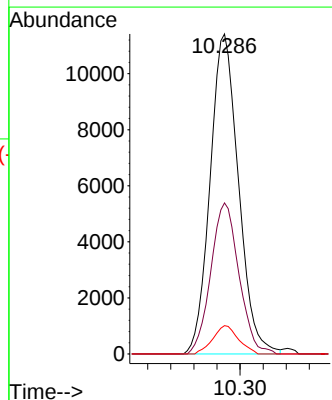
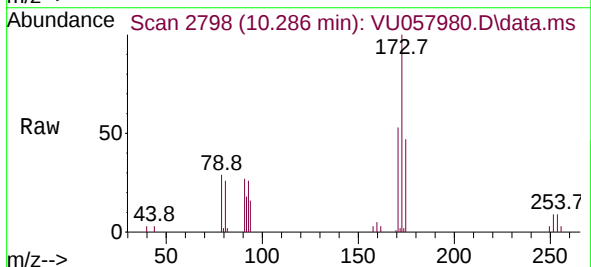
Tgt Ion:173 Resp: 19482

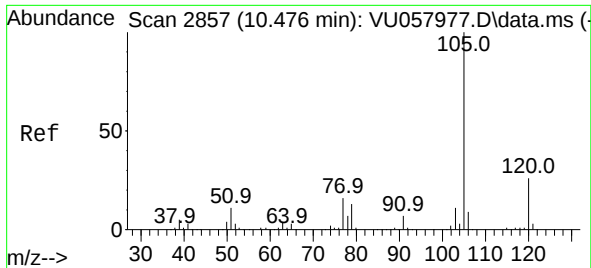
Ion Ratio Lower Upper

173 100

175 46.7 38.6 57.8

254 8.0 7.3 10.9

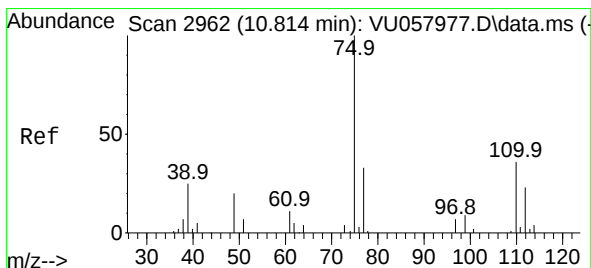
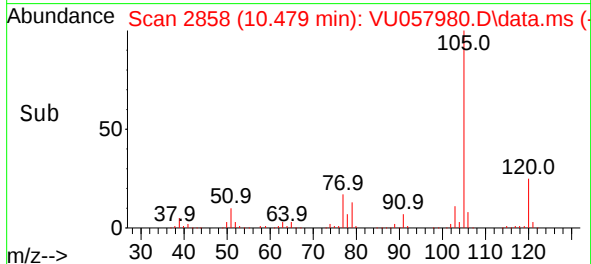
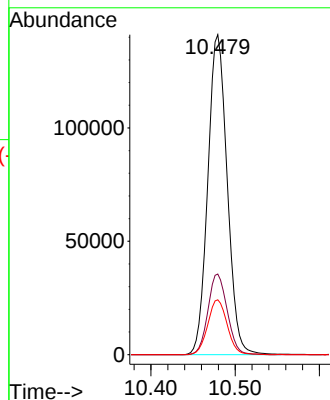
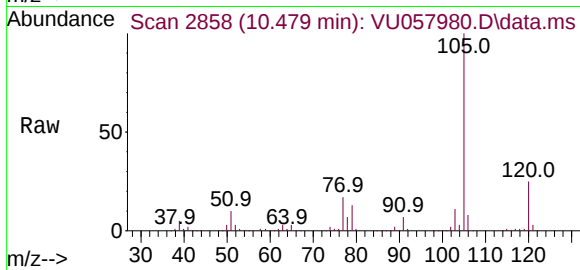




#60
Isopropylbenzene
Concen: 4.723 ug/L
RT: 10.479 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

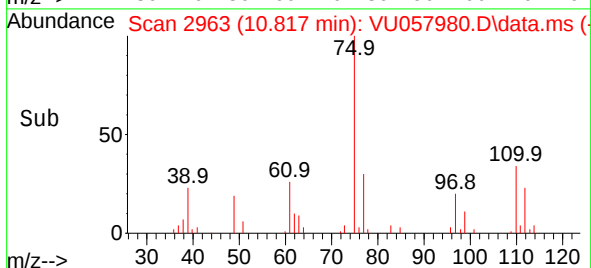
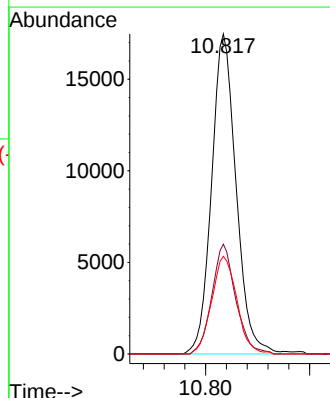
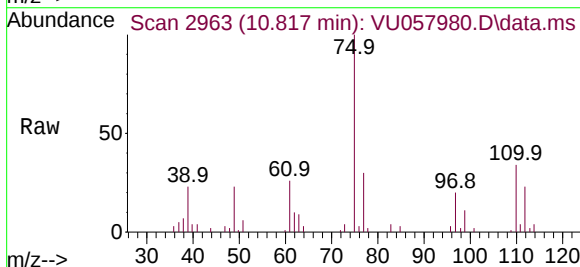
Instrument :
MSVOA_U
ClientSampleId :

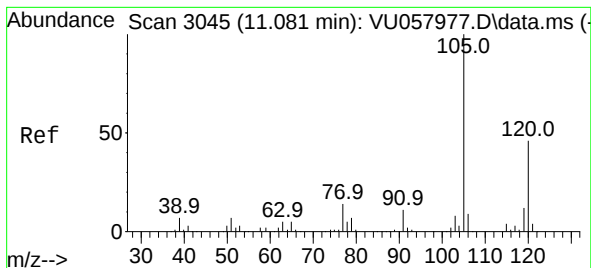
Tgt Ion:105 Resp: 225880
Ion Ratio Lower Upper
105 100
120 25.1 20.4 30.6
77 17.2 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.861 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU057980.D
Acq: 01 Mar 2024 16:14

Tgt Ion: 75 Resp: 28596
Ion Ratio Lower Upper
75 100
110 33.3 28.0 42.0
77 31.4 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 4.778 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

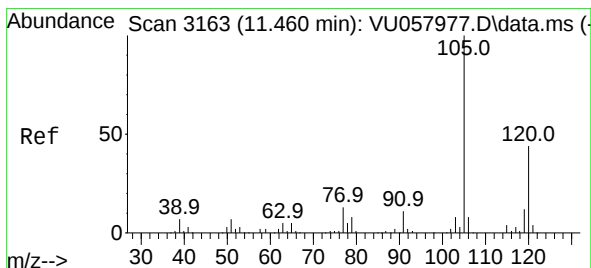
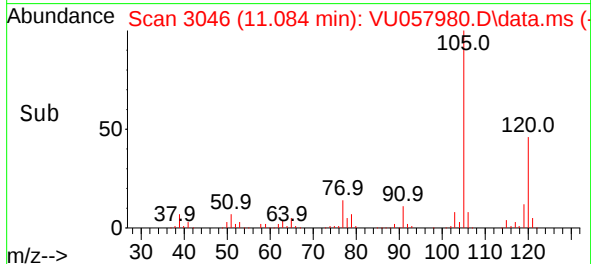
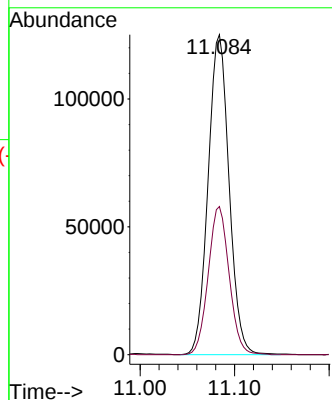
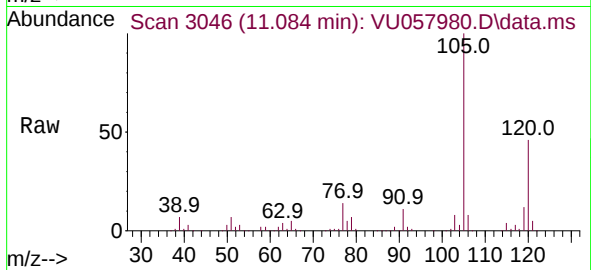
ClientSampleId :

Tgt Ion:105 Resp: 192755

Ion Ratio Lower Upper

105 100

120 46.2 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 4.827 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU057980.D

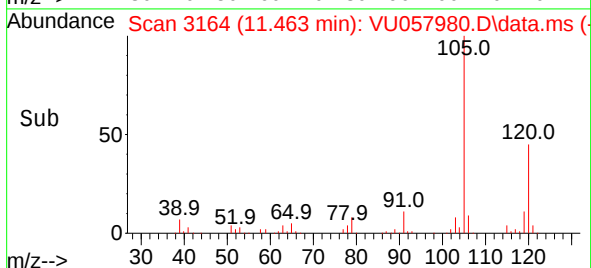
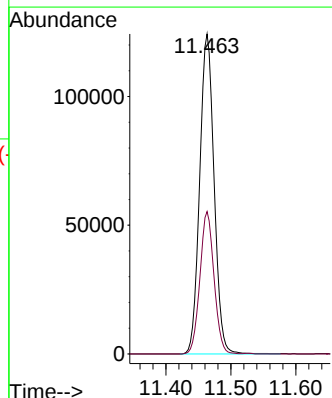
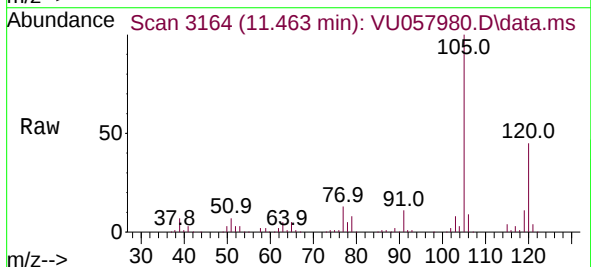
Acq: 01 Mar 2024 16:14

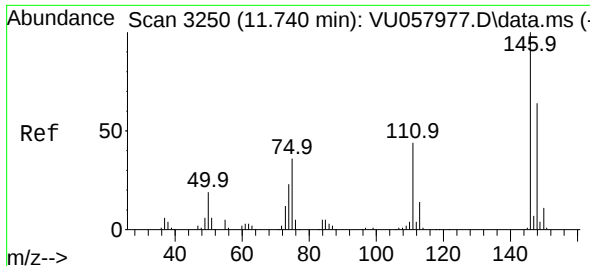
Tgt Ion:105 Resp: 192170

Ion Ratio Lower Upper

105 100

120 43.5 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 4.715 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

ClientSampleId :

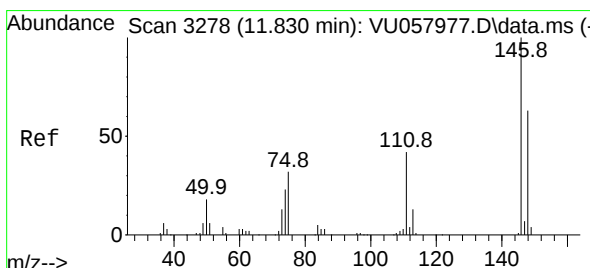
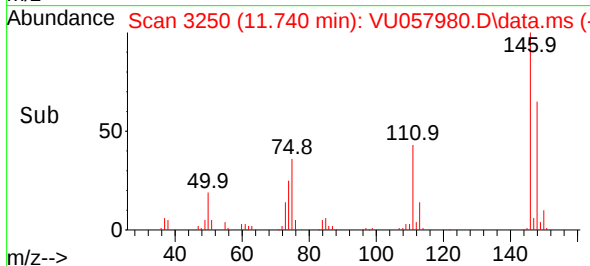
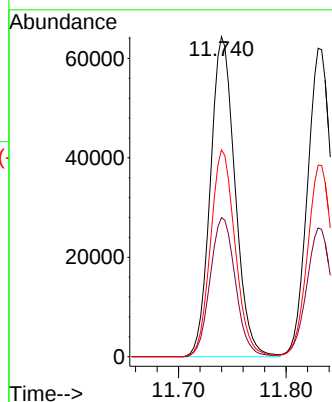
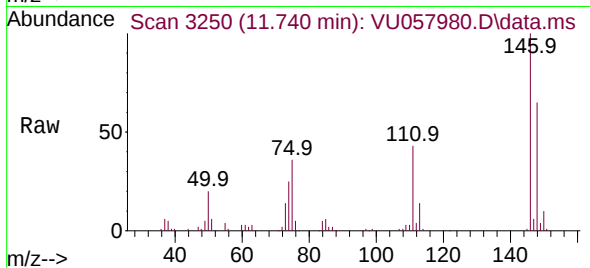
Tgt Ion:146 Resp: 102509

Ion Ratio Lower Upper

146 100

111 43.5 30.9 57.5

148 64.6 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 4.747 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

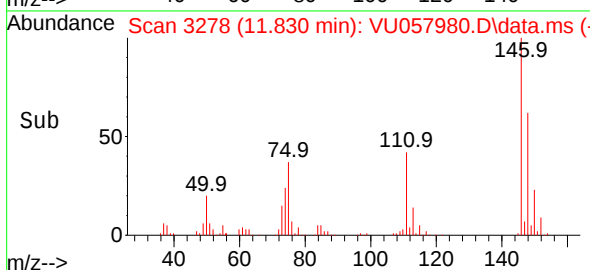
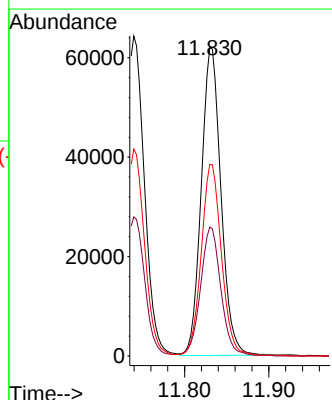
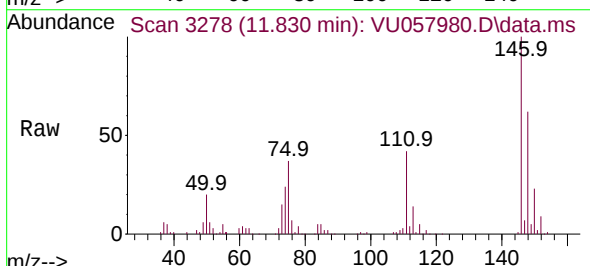
Tgt Ion:146 Resp: 101023

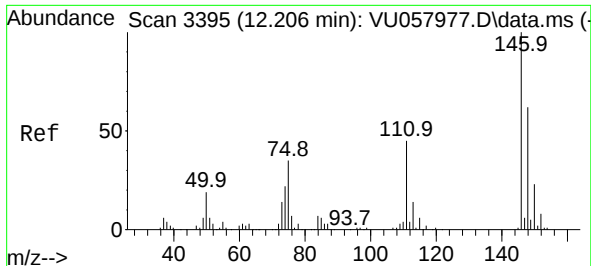
Ion Ratio Lower Upper

146 100

111 41.8 30.1 55.9

148 62.1 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 4.847 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

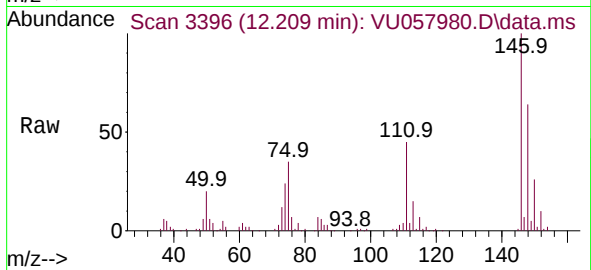
Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

ClientSampleId :



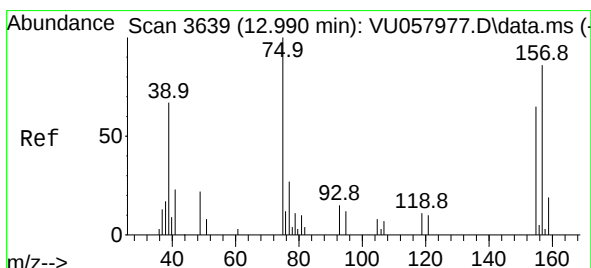
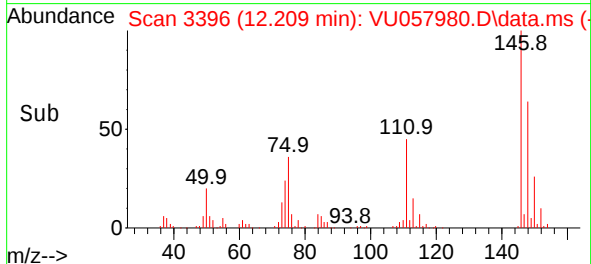
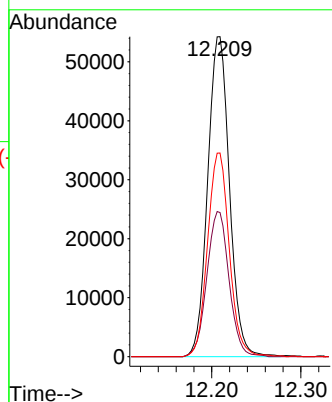
Tgt Ion:146 Resp: 91989

Ion Ratio Lower Upper

146 100

111 45.1 37.4 56.0

148 63.6 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.050 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

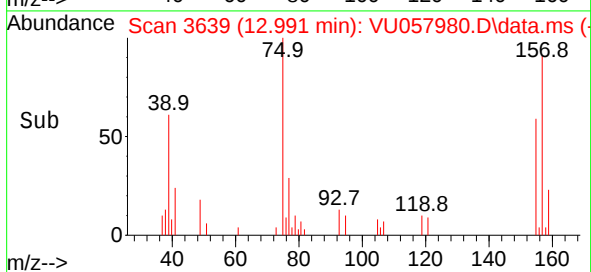
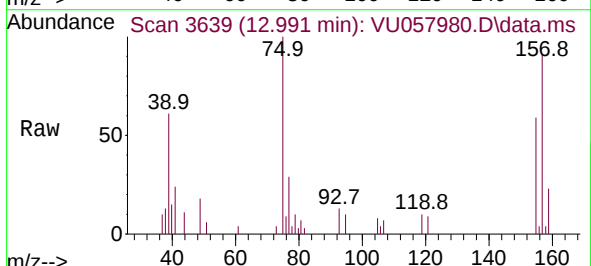
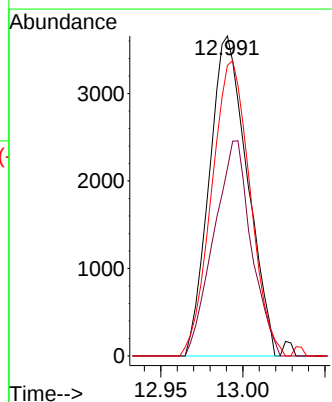
Tgt Ion: 75 Resp: 5894

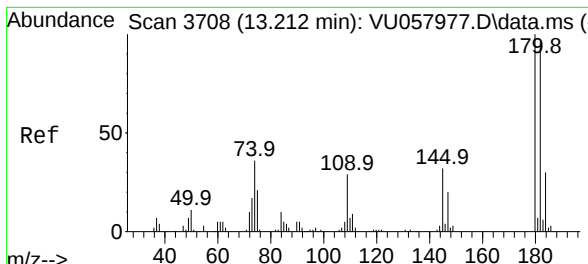
Ion Ratio Lower Upper

75 100

155 58.6 61.0 91.6#

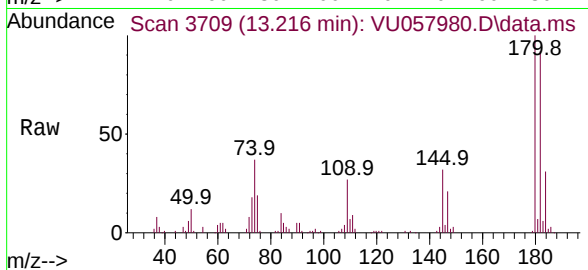
157 90.8 74.6 112.0



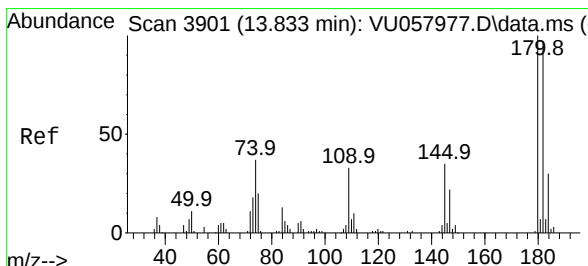
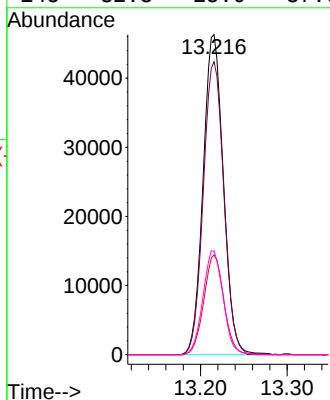
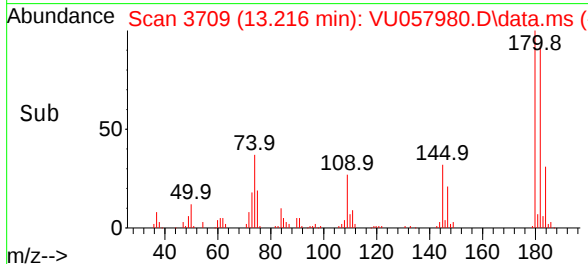


#69
 1,3,5-Trichlorobenzene
 Concen: 4.820 ug/L
 RT: 13.216 min Scan# 3708
 Delta R.T. 0.003 min
 Lab File: VU057980.D
 Acq: 01 Mar 2024 16:14

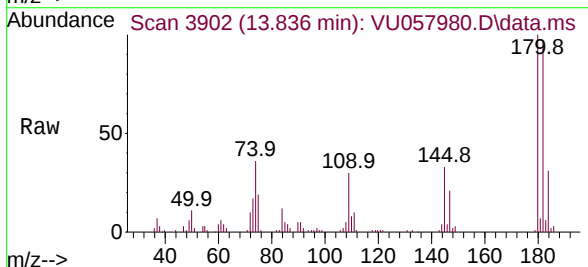
Instrument :
 MSVOA_U
 ClientSampleId :



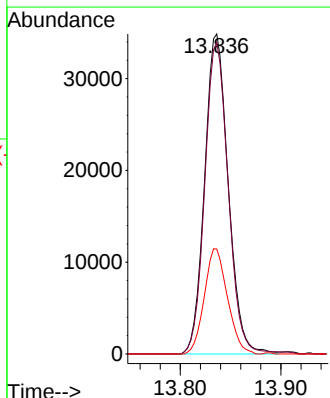
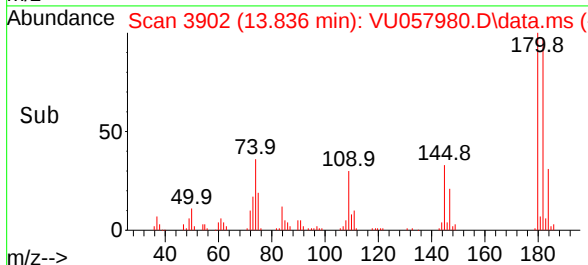
Tgt Ion:180 Resp: 75385
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.3 114.5
 184 30.8 24.6 36.8
 145 32.3 25.0 37.6

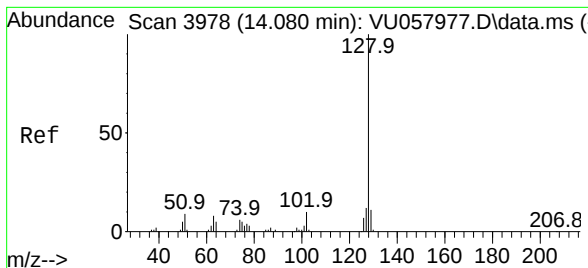


#70
 1,2,4-trichlorobenzene
 Concen: 4.855 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.003 min
 Lab File: VU057980.D
 Acq: 01 Mar 2024 16:14



Tgt Ion:180 Resp: 57041
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.9 116.9
 145 32.2 25.8 38.8





#71

Naphthalene

Concen: 4.559 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Instrument :

MSVOA_U

ClientSampleId :

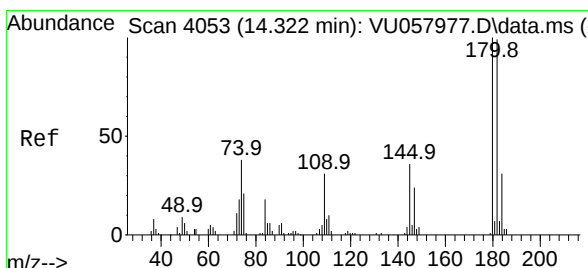
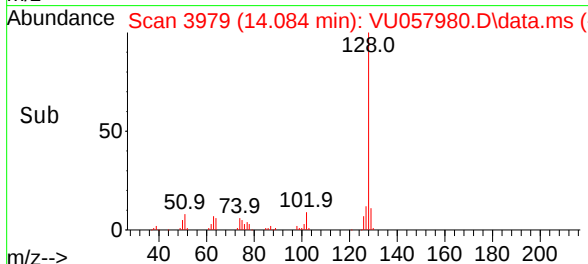
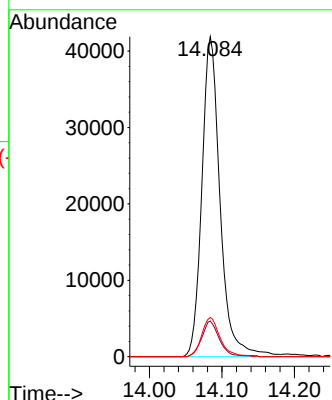
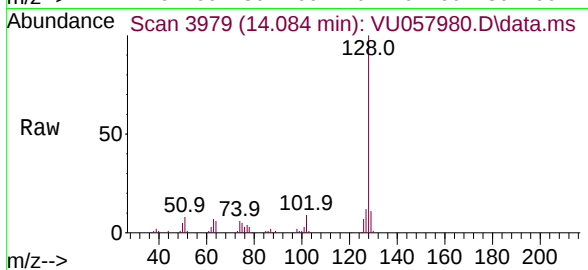
Tgt Ion:128 Resp: 73157

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

127 12.3 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.805 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU057980.D

Acq: 01 Mar 2024 16:14

Tgt Ion:180 Resp: 44597

Ion Ratio Lower Upper

180 100

182 95.7 77.6 116.4

145 35.2 28.7 43.1

