

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030124\
 Data File : VU057977.D
 Acq On : 01 Mar 2024 11:15
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 01 22:40:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 01 05:18:22 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	152814	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	142600	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	70793	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	49803	4.530	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.600%
7) Chloroethane-d5	1.907	69	42007	4.648	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.000%
11) 1,1-Dichloroethene-d2	2.560	65	22362	4.700	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.000%
20) 2-Butanone-d5	4.611	46	94893	52.382	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.760%
24) Chloroform-d	5.052	84	99375	4.779	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.695	65	47222	5.012	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.717	84	202915	4.883	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	6.682	67	61487	4.867	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.891	98	181755	4.827	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	8.174	79	21960	5.055	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.000%
46) 2-Hexanone-d5	8.624	63	74565	51.121	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.240%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	39367	5.082	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	55657	4.774	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	46289	4.999	ug/L	99
3) Chloromethane	1.515	50	52076	4.810	ug/L	98
5) Vinyl chloride	1.599	62	57568	4.943	ug/L	99
6) Bromomethane	1.853	94	30689	5.003	ug/L	100
8) Chloroethane	1.930	64	35901	4.896	ug/L	92
9) Trichlorofluoromethane	2.136	101	81441	4.909	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	52268	5.039	ug/L	97
12) 1,1-Dichloroethene	2.573	96	45543	4.939	ug/L	98
13) Acetone	2.618	43	68123	50.530	ug/L	97
14) Carbon disulfide	2.788	76	136567	4.790	ug/L	99
15) Methyl Acetate	2.943	43	15582	5.208	ug/L	96
16) Methylene chloride	3.036	84	54098	4.827	ug/L	100
17) Methyl tert-butyl Ether	3.351	73	111390	5.109	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	49200	4.899	ug/L	98
19) 1,1-Dichloroethane	3.859	63	101702	5.076	ug/L	99
21) 2-Butanone	4.692	43	110183	51.868	ug/L	99
22) cis-1,2-Dichloroethene	4.656	96	55707	5.042	ug/L	97
23) Bromochloromethane	4.965	128	21349	5.204	ug/L	90
25) Chloroform	5.078	83	103470	5.059	ug/L	98

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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

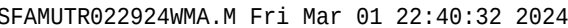
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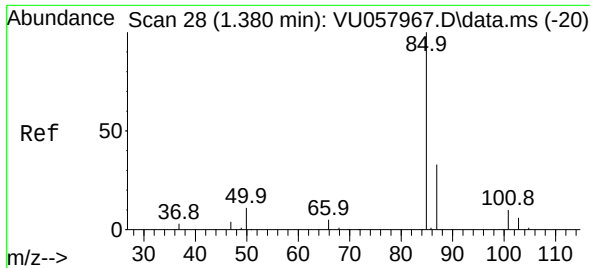
Quant Time: Mar 01 22:40:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 01 05:18:22 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	58283	5.147	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	85900	5.061	ug/L	100
30) Cyclohexane	5.380	56	84352	4.922	ug/L	99
31) Carbon tetrachloride	5.518	117	73960	5.015	ug/L	98
33) Benzene	5.766	78	218906	5.003	ug/L	100
34) Trichloroethene	6.534	95	57602	5.003	ug/L	97
35) Methylcyclohexane	6.756	83	86853	4.921	ug/L	99
37) 1,2-Dichloropropane	6.782	63	58811	5.212	ug/L	98
38) Bromodichloromethane	7.097	83	69926	5.108	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	78226	5.032	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	273143	52.622	ug/L	99
42) Toluene	7.962	91	231692	5.084	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	61565	4.969	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	34433	5.146	ug/L	98
47) Tetrachloroethene	8.547	164	40007	5.009	ug/L	97
48) 2-Hexanone	8.675	43	200072	52.559	ug/L	99
49) Dibromochloromethane	8.801	129	40892	5.163	ug/L	99
50) 1,2-Dibromoethane	8.917	107	31529	5.310	ug/L	94
51) Chlorobenzene	9.441	112	142574	4.989	ug/L	99
52) Ethylbenzene	9.563	91	257214	5.044	ug/L	100
53) m,p-Xylene	9.688	106	94121	5.166	ug/L	99
54) o-Xylene	10.093	106	91449	5.036	ug/L	99
55) Styrene	10.110	104	145019	5.088	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	41086	5.213	ug/L #	98
59) Bromoform	10.283	173	20956	5.308	ug/L	99
60) Isopropylbenzene	10.476	105	236435	5.015	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	29309	5.054	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	201135	5.058	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	198269	5.052	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	109237	5.097	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	104295	4.972	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	95591	5.109	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	6003	5.218	ug/L	90
69) 1,3,5-Trichlorobenzene	13.212	180	76150	4.940	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	56576	4.885	ug/L	99
71) Naphthalene	14.080	128	73144	4.624	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	45280	4.949	ug/L	98

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

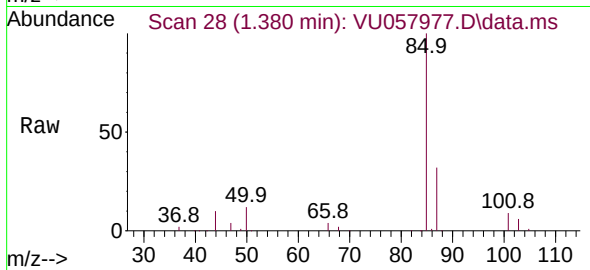
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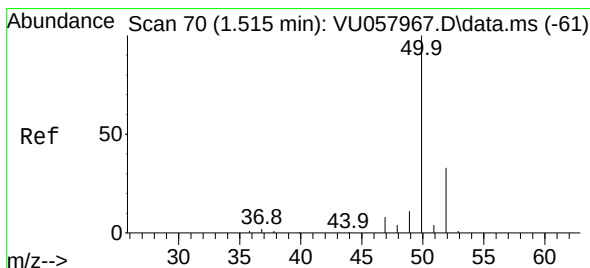
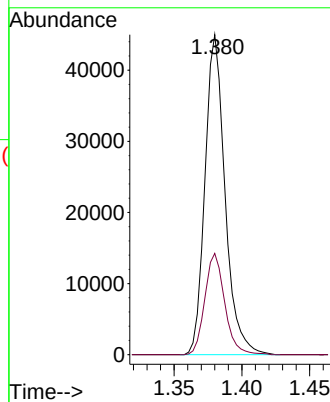
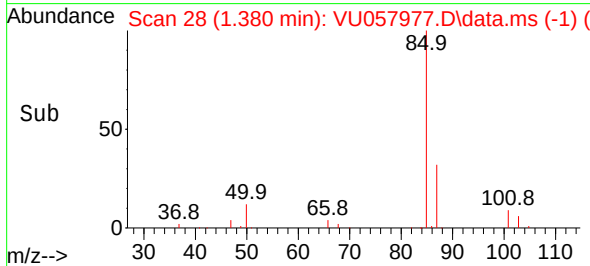


#2
Dichlorodifluoromethane
Concen: 4.999 ug/L
RT: 1.380 min Scan# 20
Delta R.T. -0.000 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

Instrument :
MSVOA_U
ClientSampleId :

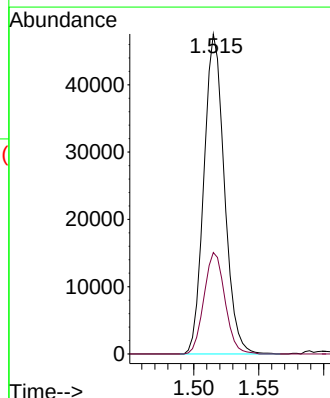
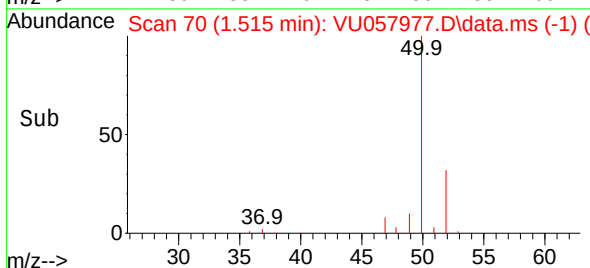
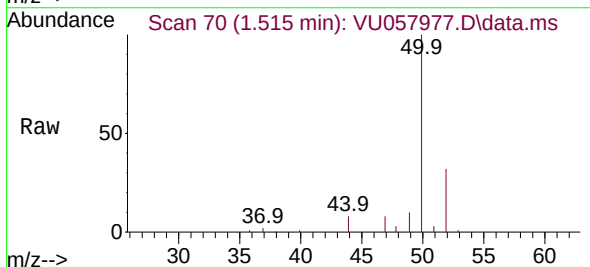


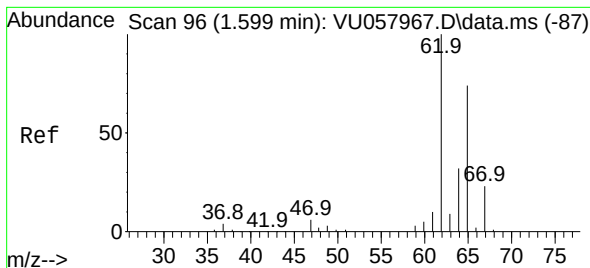
Tgt Ion: 85 Resp: 46289
Ion Ratio Lower Upper
85 100
87 31.4 25.8 38.6



#3
Chloromethane
Concen: 4.810 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

Tgt Ion: 50 Resp: 52076
Ion Ratio Lower Upper
50 100
52 31.7 23.1 42.9





#5

Vinyl chloride

Concen: 4.943 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

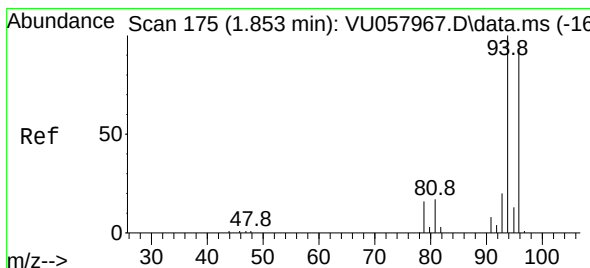
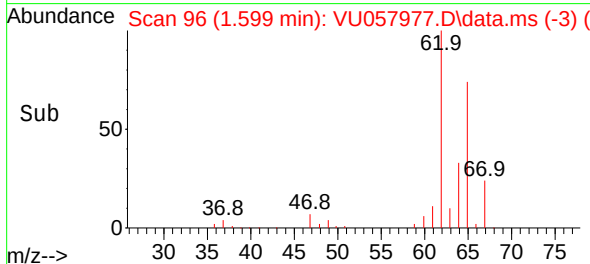
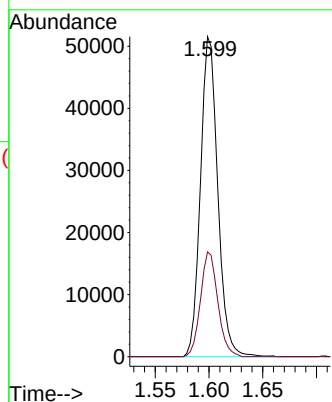
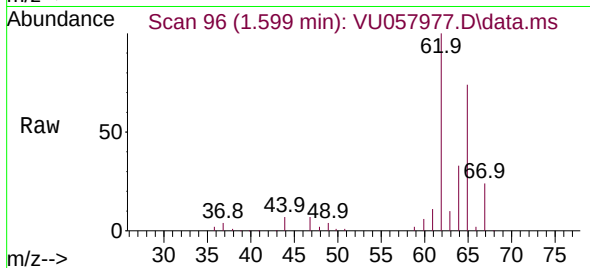
ClientSampleId :

Tgt Ion: 62 Resp: 57568

Ion Ratio Lower Upper

62 100

64 32.8 22.5 41.7



#6

Bromomethane

Concen: 5.003 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU057977.D

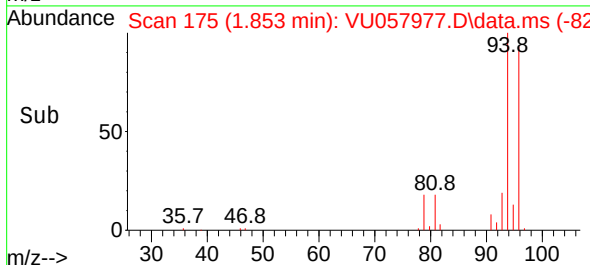
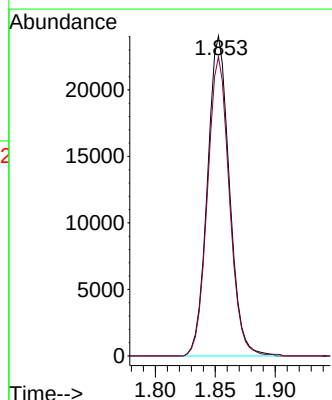
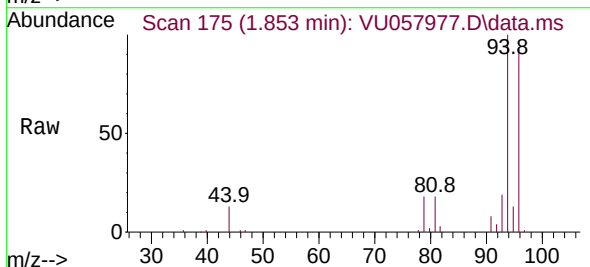
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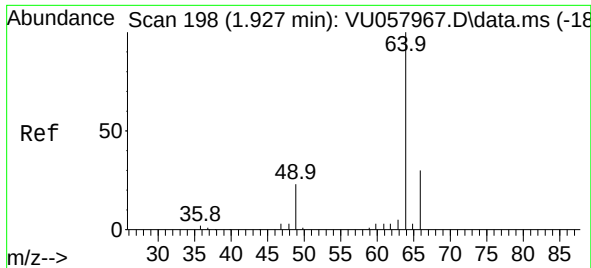
Tgt Ion: 94 Resp: 30689

Ion Ratio Lower Upper

94 100

96 93.5 65.2 121.2

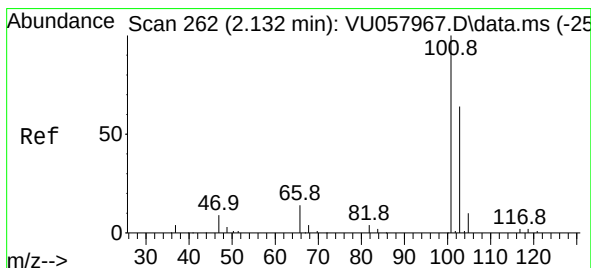
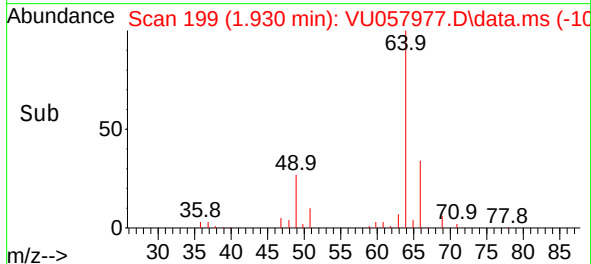
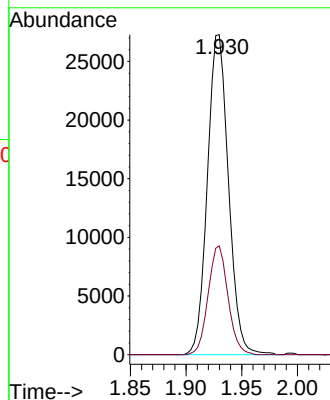
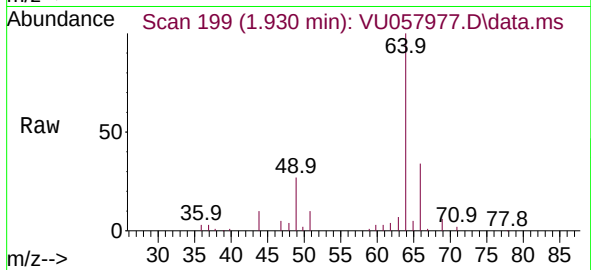




#8
Chloroethane
Concen: 4.896 ug/L
RT: 1.930 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

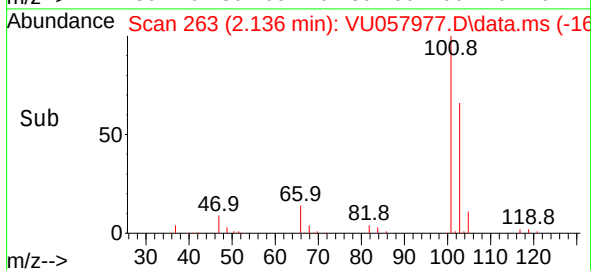
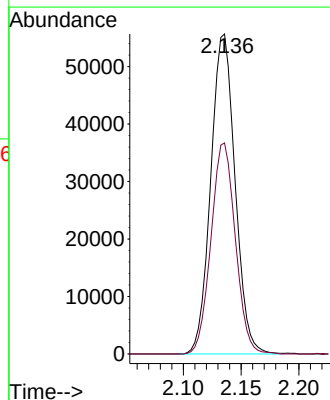
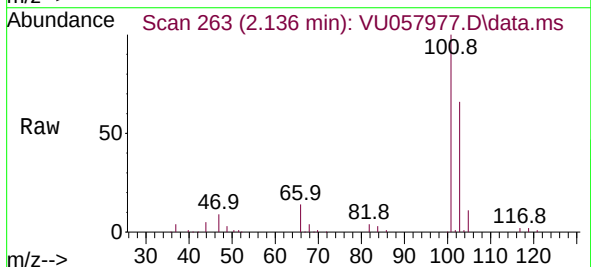
Instrument :
MSVOA_U
ClientSampleId :

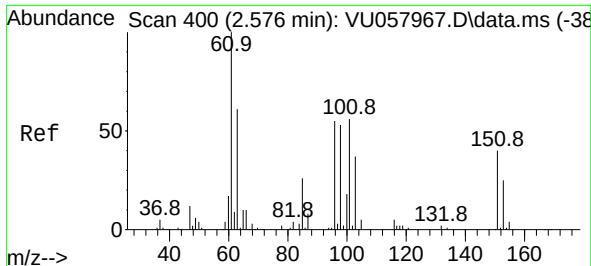
Tgt Ion: 64 Resp: 35901
Ion Ratio Lower Upper
64 100
66 34.0 20.9 38.9



#9
Trichlorofluoromethane
Concen: 4.909 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

Tgt Ion:101 Resp: 81441
Ion Ratio Lower Upper
101 100
103 66.1 51.4 77.2

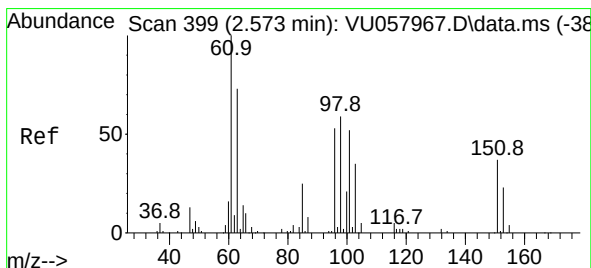
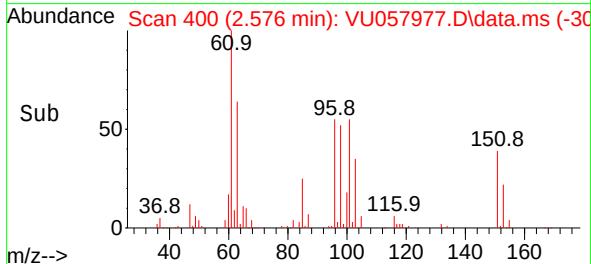
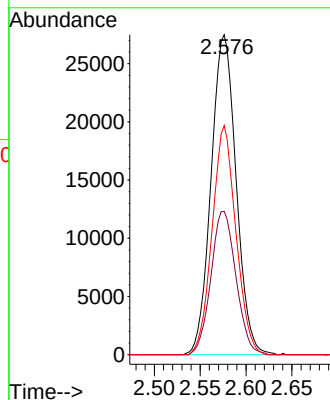
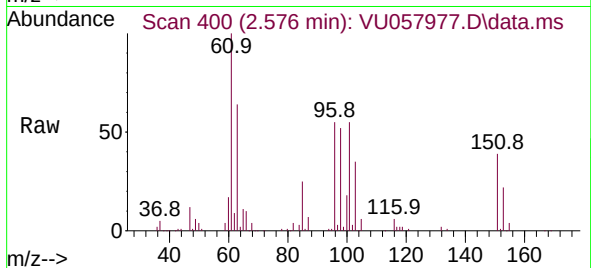




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.039 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

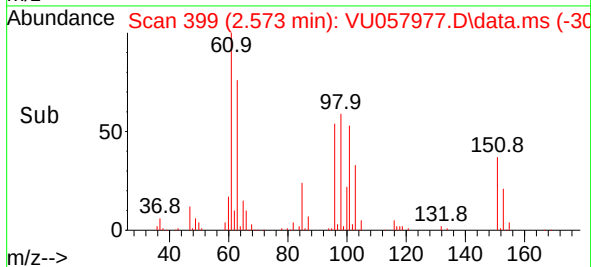
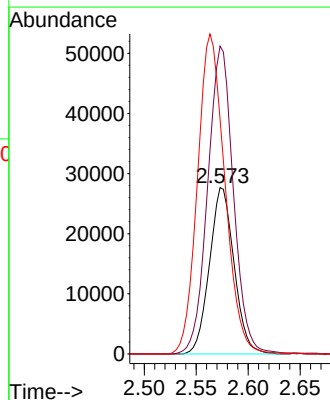
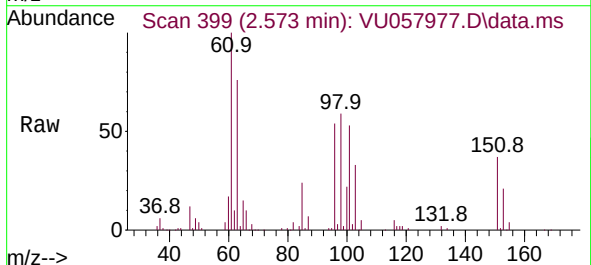
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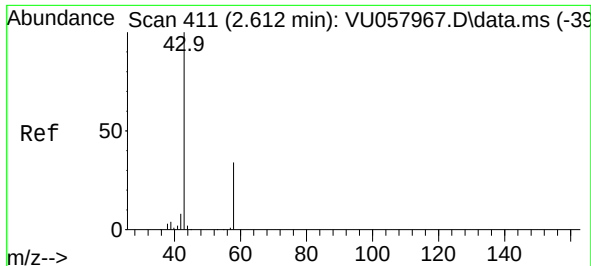
Tgt Ion:101 Resp: 52268
Ion Ratio Lower Upper
101 100
85 44.7 37.3 55.9
151 67.9 56.0 84.0



#12
1,1-Dichloroethene
Concen: 4.939 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

Tgt Ion: 96 Resp: 45543
Ion Ratio Lower Upper
96 100
61 184.9 131.8 244.8
63 141.3 98.1 182.1





#13

Acetone

Concen: 50.530 ug/L

RT: 2.618 min Scan# 411

Delta R.T. 0.006 min

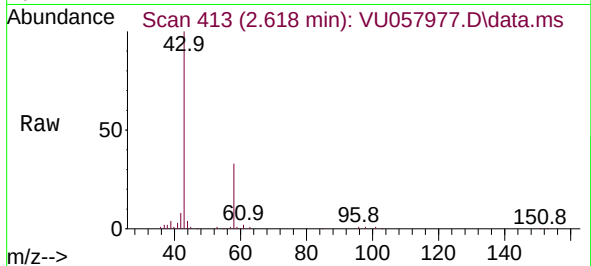
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Instrument :

MSVOA_U

ClientSampleId :

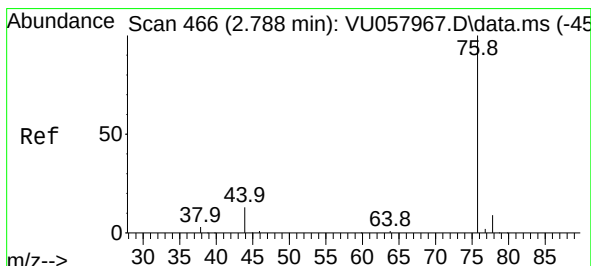
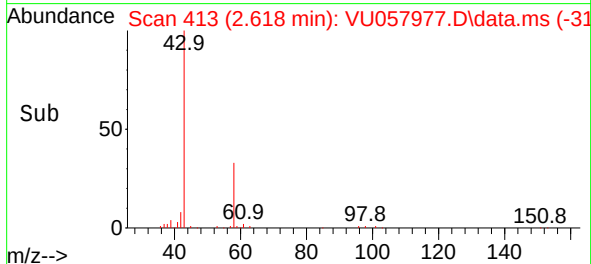
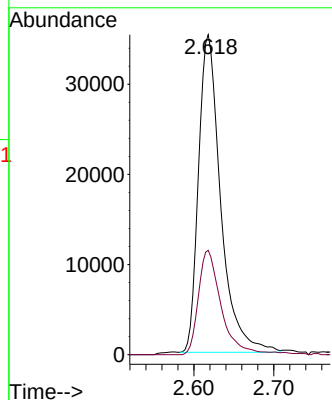


Tgt Ion: 43 Resp: 68123

Ion Ratio Lower Upper

43 100

58 33.5 0.0 63.6



#14

Carbon disulfide

Concen: 4.790 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU057977.D

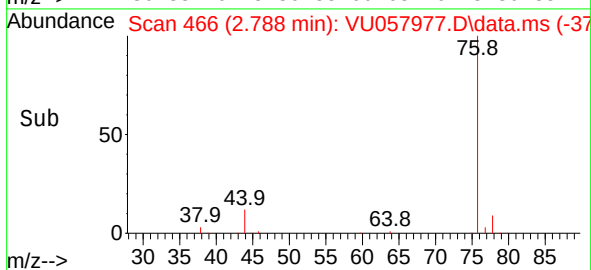
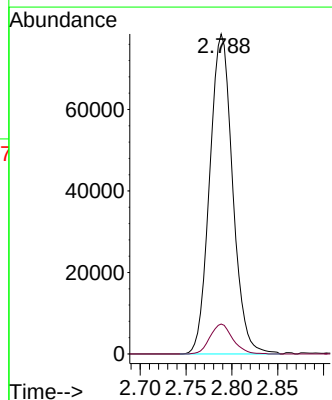
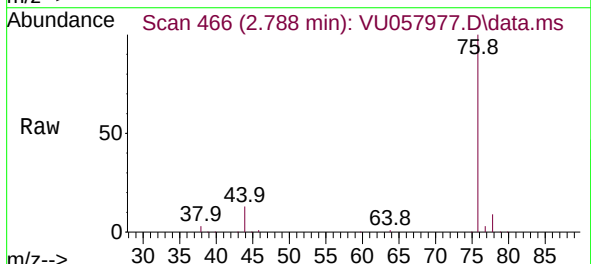
Acq: 01 Mar 2024 11:15

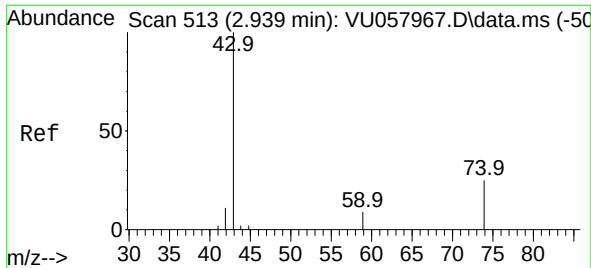
Tgt Ion: 76 Resp: 136567

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

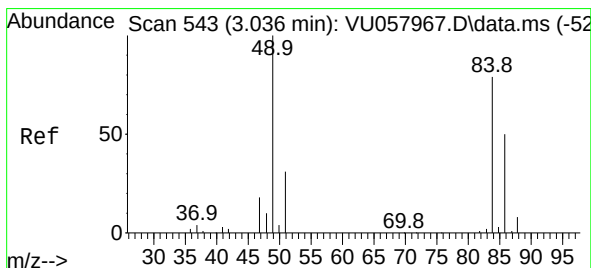
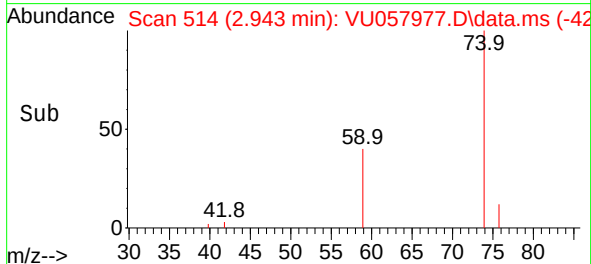
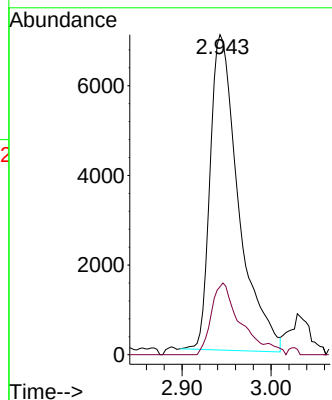
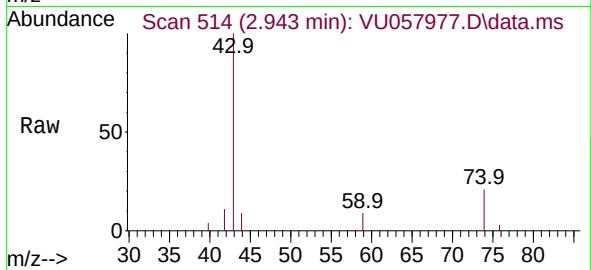




#15
Methyl Acetate
Concen: 5.208 ug/L
RT: 2.943 min Scan# 513
Delta R.T. 0.003 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

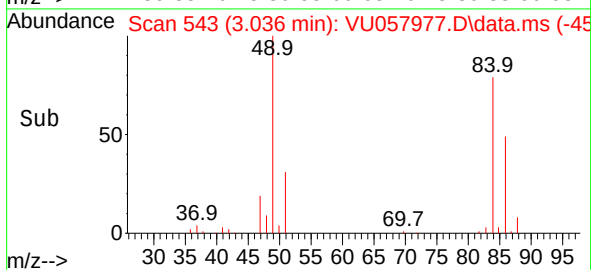
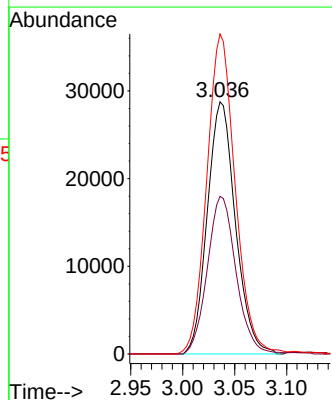
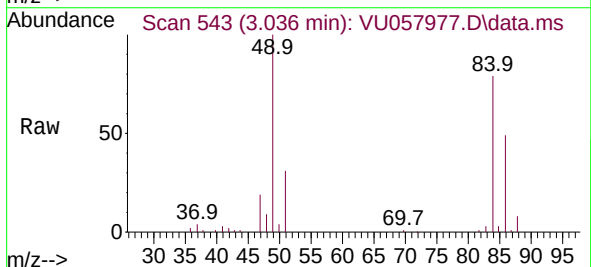
Instrument :
MSVOA_U
ClientSampleId :

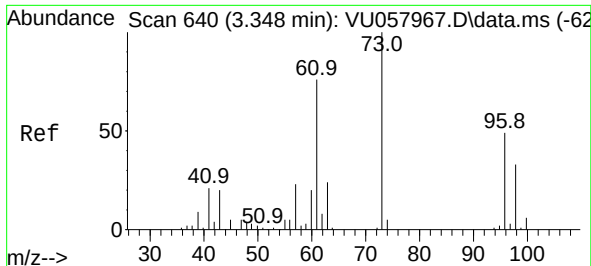
Tgt Ion: 43 Resp: 15582
Ion Ratio Lower Upper
43 100
74 23.7 20.6 31.0



#16
Methylene chloride
Concen: 4.827 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.000 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

Tgt Ion: 84 Resp: 54098
Ion Ratio Lower Upper
84 100
86 62.5 44.4 82.4
49 126.9 88.8 165.0

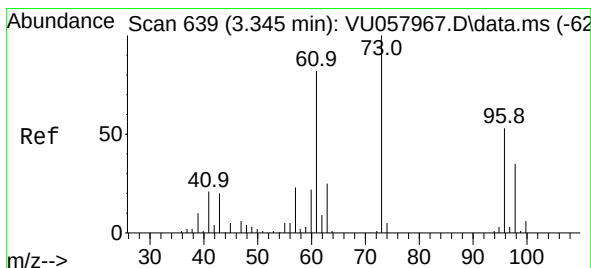
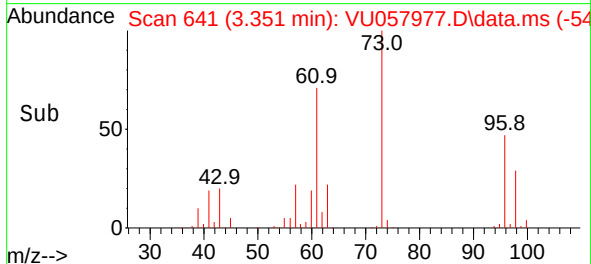
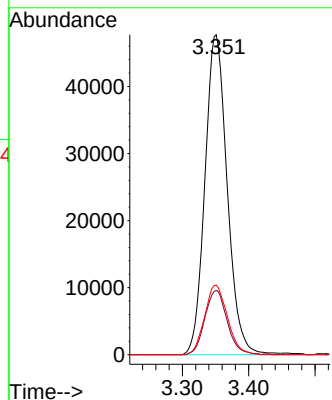
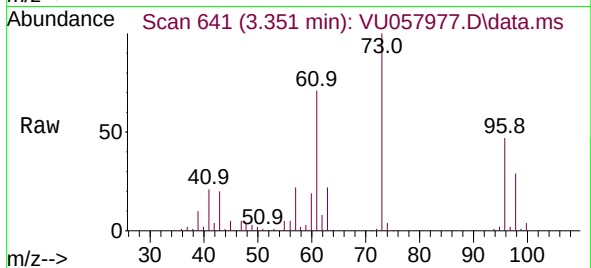




#17
Methyl tert-butyl Ether
Concen: 5.109 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

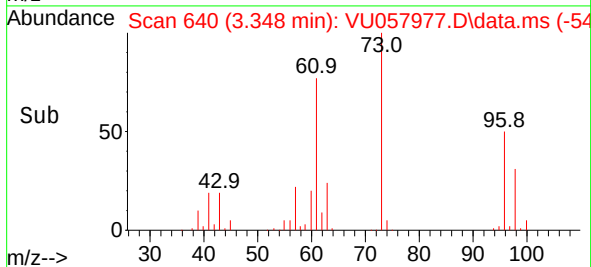
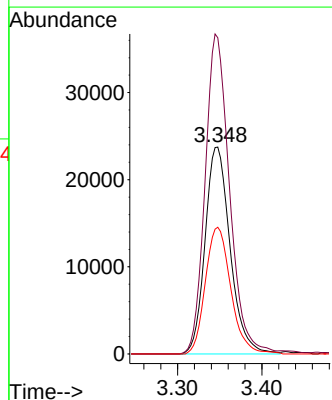
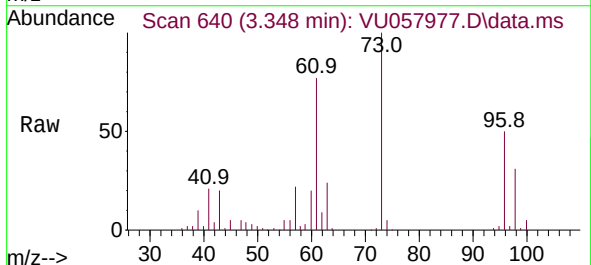
Instrument :
MSVOA_U
ClientSampleId :

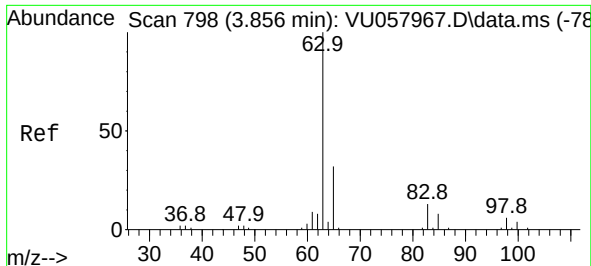
Tgt Ion: 73 Resp: 111390
Ion Ratio Lower Upper
73 100
43 20.1 16.2 24.4
57 22.2 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.899 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

Tgt Ion: 96 Resp: 49200
Ion Ratio Lower Upper
96 100
61 152.8 107.7 199.9
98 61.3 45.8 85.0





#19

1,1-Dichloroethane

Concen: 5.076 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.003 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :

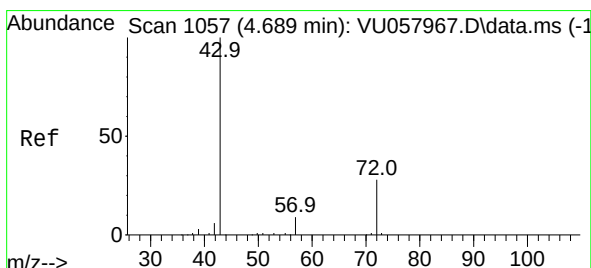
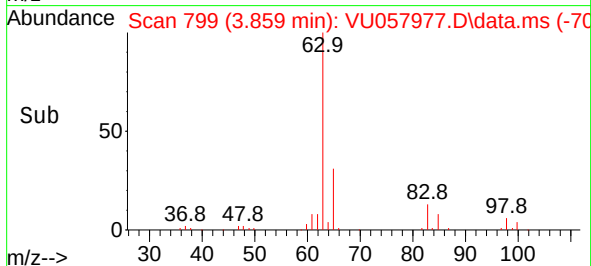
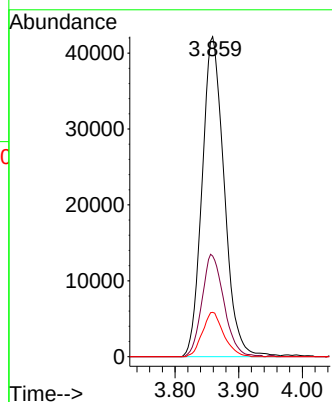
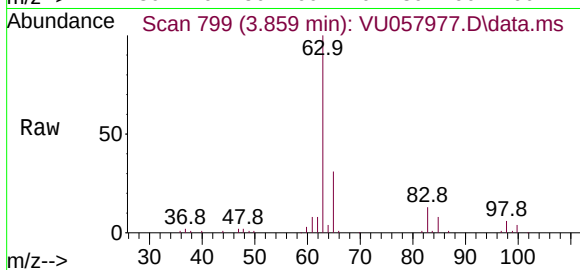
Tgt Ion: 63 Resp: 101702

Ion Ratio Lower Upper

63 100

65 31.5 22.1 41.1

83 13.8 9.0 16.6



#21

2-Butanone

Concen: 51.868 ug/L

RT: 4.692 min Scan# 1058

Delta R.T. 0.003 min

Lab File: VU057977.D

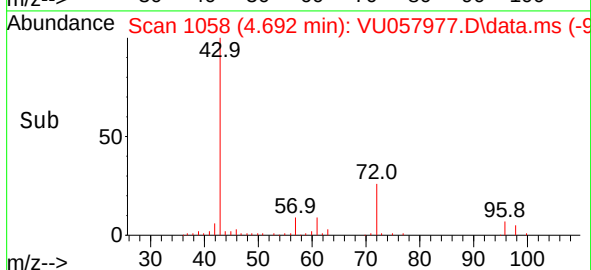
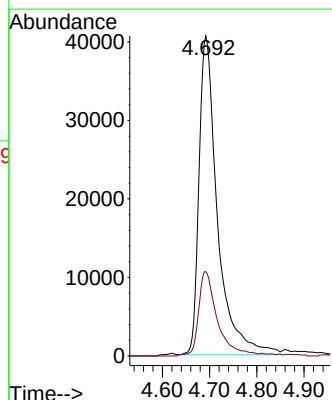
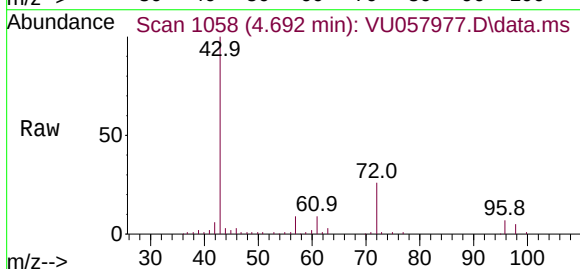
Acq: 01 Mar 2024 11:15

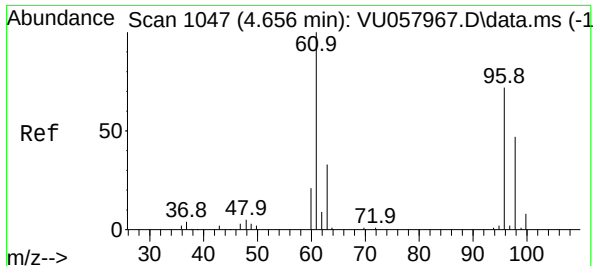
Tgt Ion: 43 Resp: 110183

Ion Ratio Lower Upper

43 100

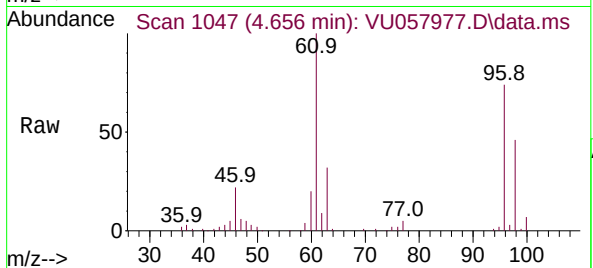
72 26.6 13.0 39.0





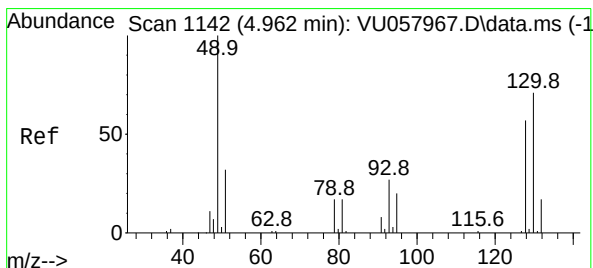
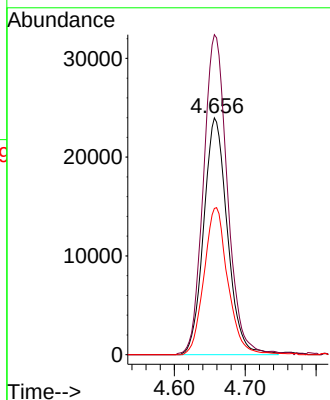
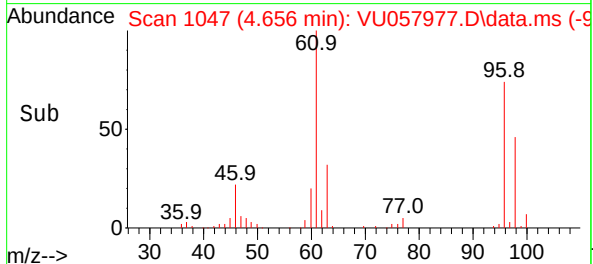
#22
 cis-1,2-Dichloroethene
 Concen: 5.042 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU057977.D
 Acq: 01 Mar 2024 11:15

Instrument :
 MSVOA_U
 ClientSampleId :

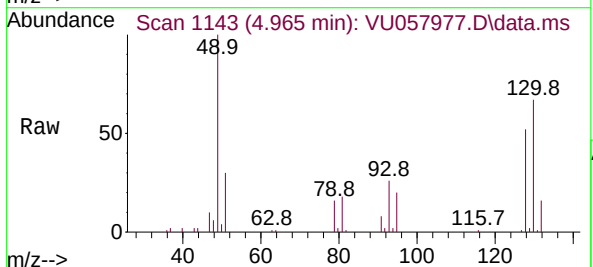


Tgt Ion: 96 Resp: 55707

Ion	Ratio	Lower	Upper
96	100		
61	135.1	97.2	180.4
98	61.7	45.5	84.5

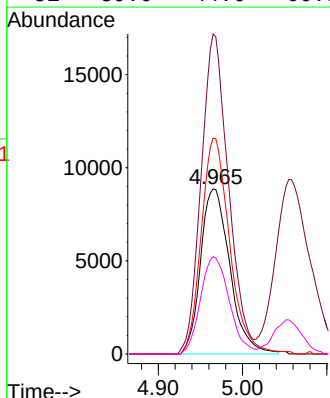
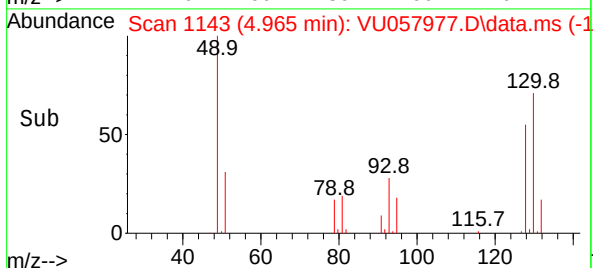


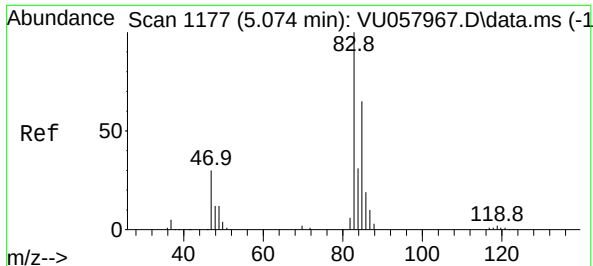
#23
 Bromochloromethane
 Concen: 5.204 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. 0.003 min
 Lab File: VU057977.D
 Acq: 01 Mar 2024 11:15



Tgt Ion: 128 Resp: 21349

Ion	Ratio	Lower	Upper
128	100		
49	194.0	122.0	226.6
130	130.7	86.6	160.8
51	59.0	44.6	66.8





#25

Chloroform

Concen: 5.059 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

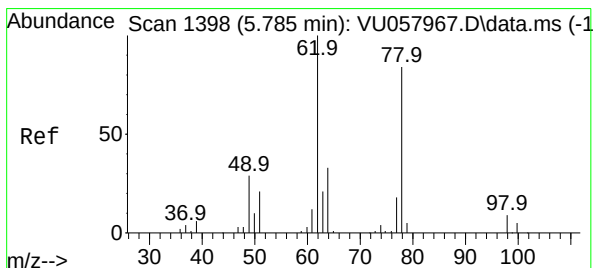
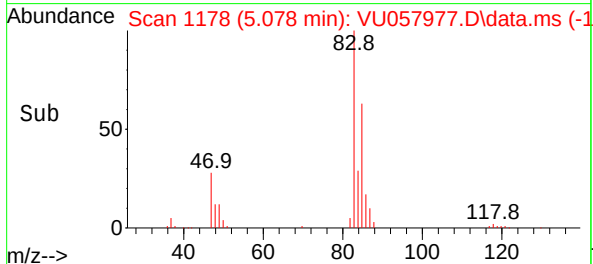
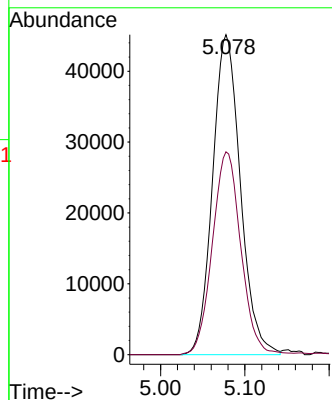
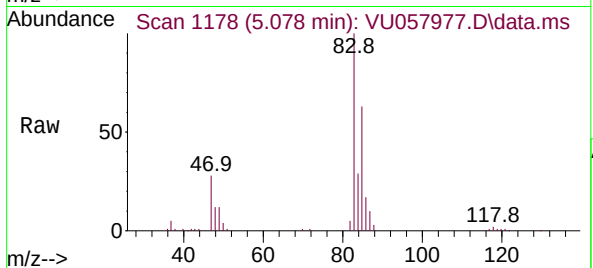
ClientSampleId :

Tgt Ion: 83 Resp: 103470

Ion Ratio Lower Upper

83 100

85 63.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.147 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU057977.D

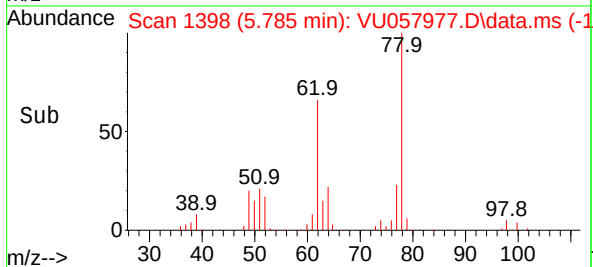
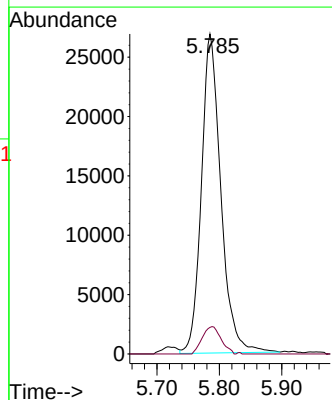
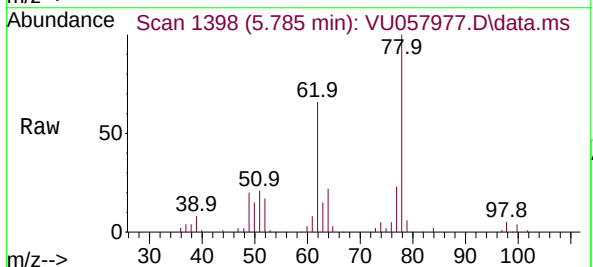
Acq: 01 Mar 2024 11:15

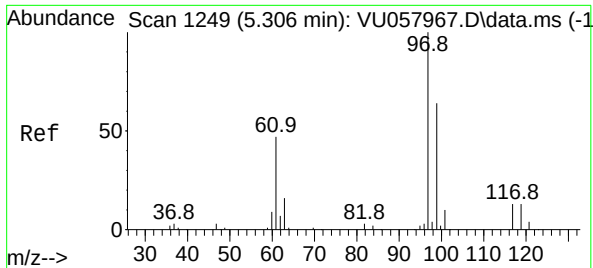
Tgt Ion: 62 Resp: 58283

Ion Ratio Lower Upper

62 100

98 8.3 7.0 10.4

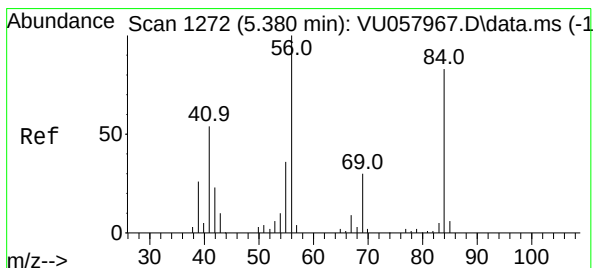
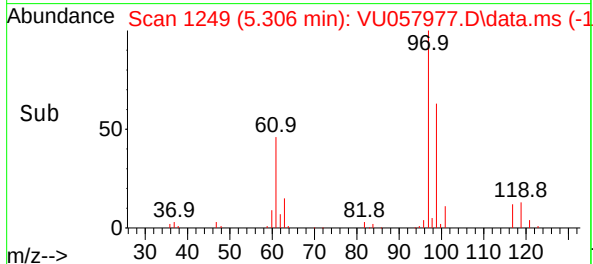
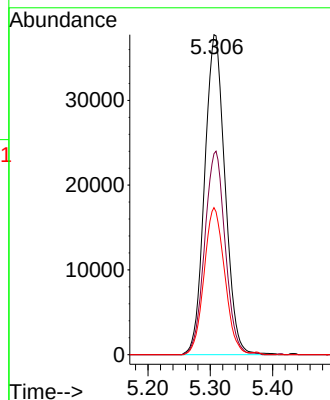
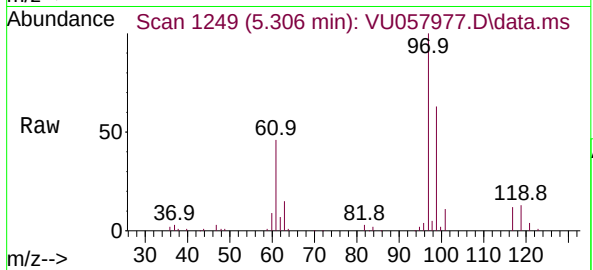




#29
1,1,1-Trichloroethane
Concen: 5.061 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

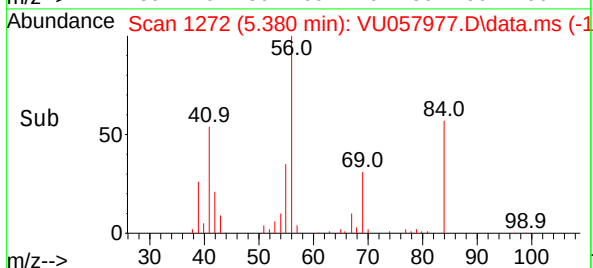
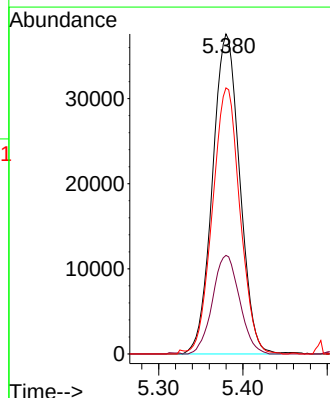
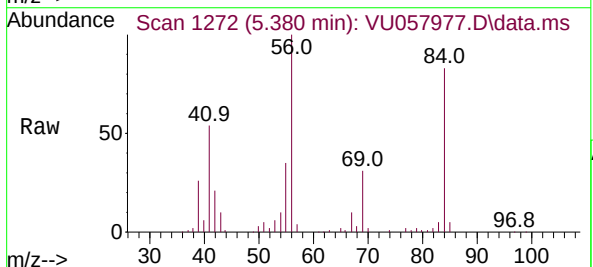
Instrument :
MSVOA_U
ClientSampleId :

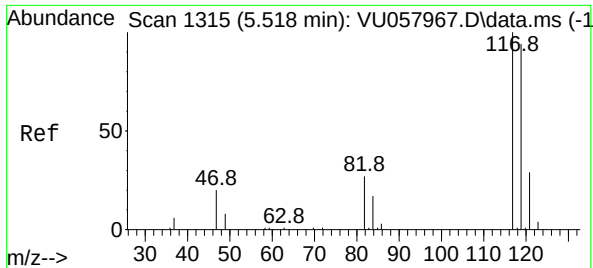
Tgt Ion:	97	Resp:	85900
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	46.4	37.4	56.2



#30
Cyclohexane
Concen: 4.922 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

Tgt Ion:	56	Resp:	84352
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.2	36.2
84	84.0	66.6	99.8

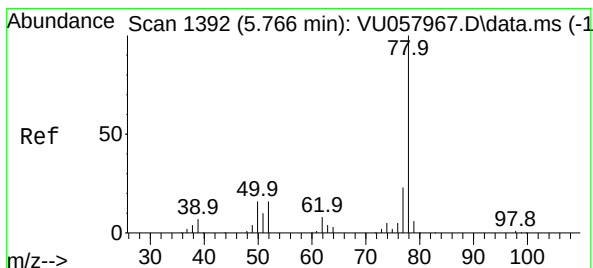
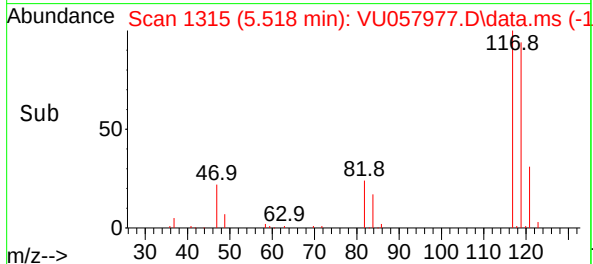
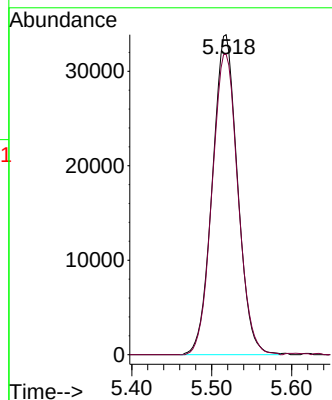
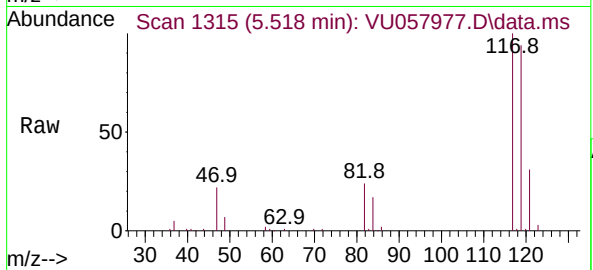




#31
Carbon tetrachloride
Concen: 5.015 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

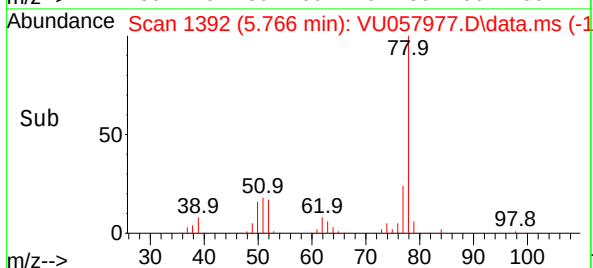
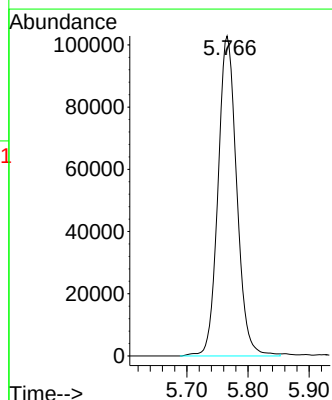
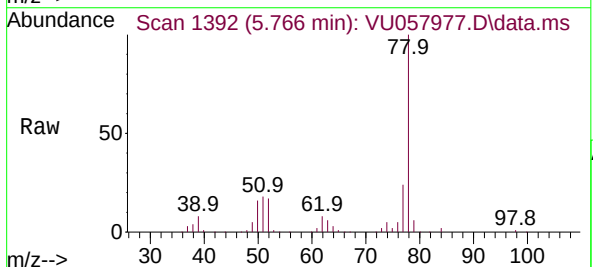
Instrument :
MSVOA_U
ClientSampleId :

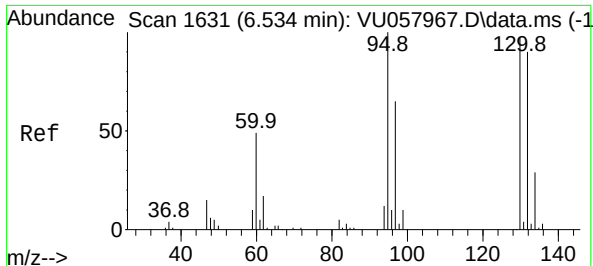
Tgt Ion:117 Resp: 73960
Ion Ratio Lower Upper
117 100
119 96.7 75.8 113.8



#33
Benzene
Concen: 5.003 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

Tgt Ion: 78 Resp: 218906





#34

Trichloroethene

Concen: 5.003 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 57602

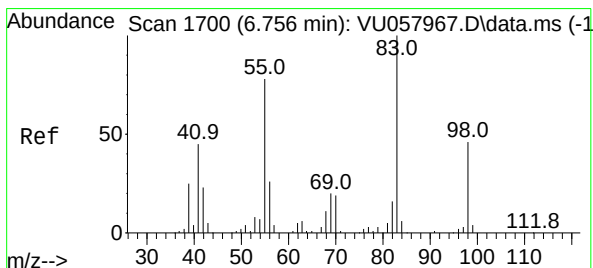
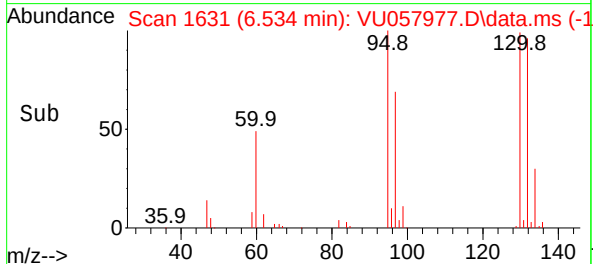
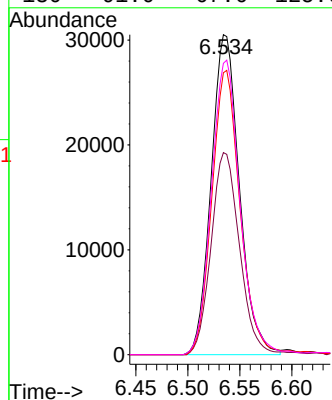
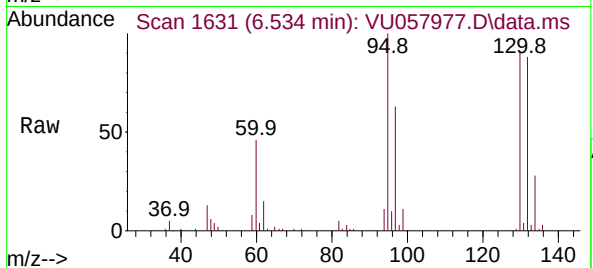
Ion Ratio Lower Upper

95 100

97 63.2 45.3 84.1

132 88.1 63.1 117.1

130 91.0 67.6 125.6



#35

Methylcyclohexane

Concen: 4.921 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

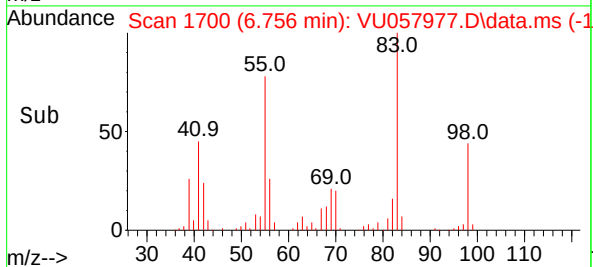
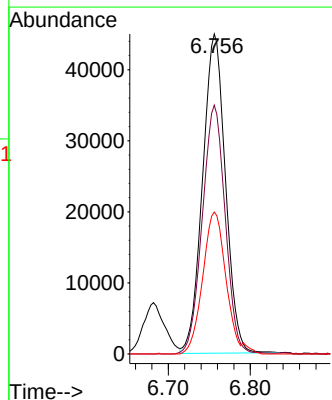
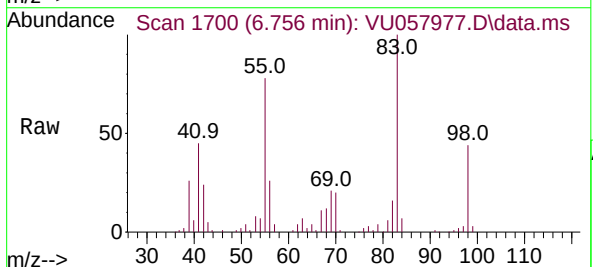
Tgt Ion: 83 Resp: 86853

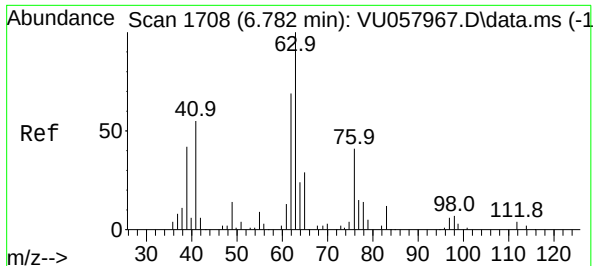
Ion Ratio Lower Upper

83 100

55 78.3 63.0 94.6

98 45.6 36.2 54.4

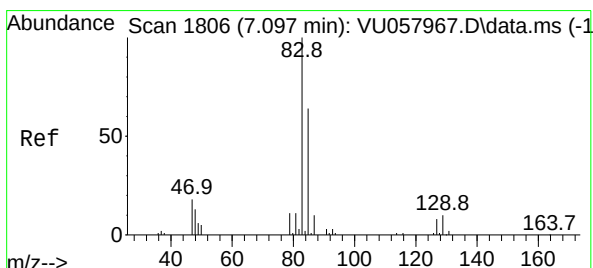
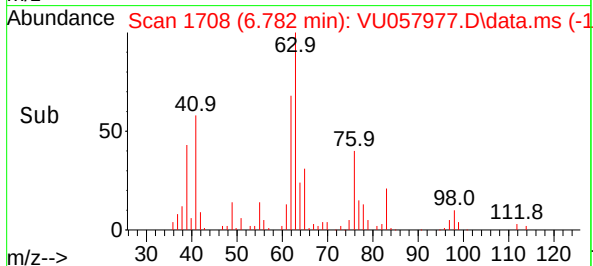
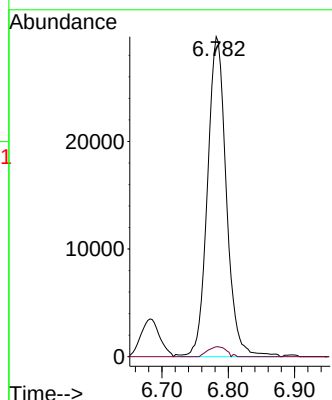
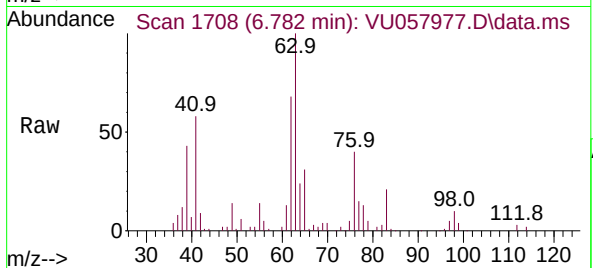




#37
1,2-Dichloropropane
Concen: 5.212 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

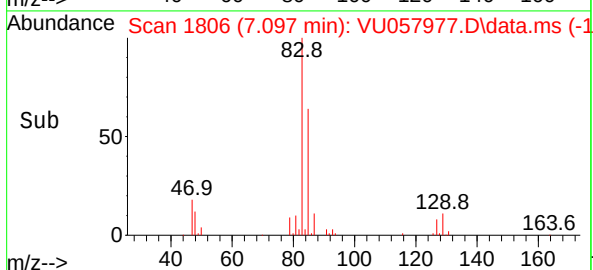
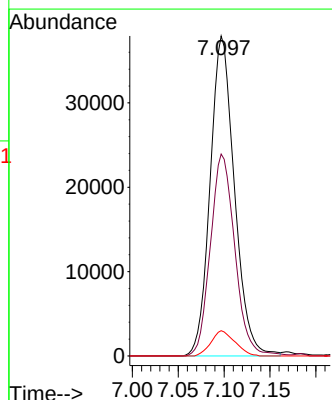
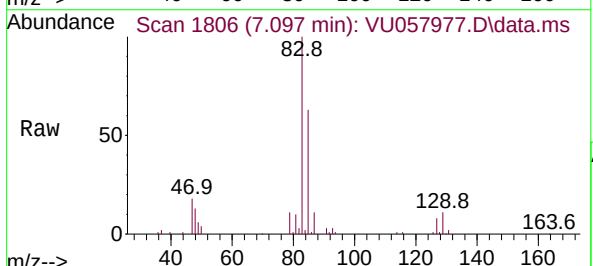
Instrument :
MSVOA_U
ClientSampleId :

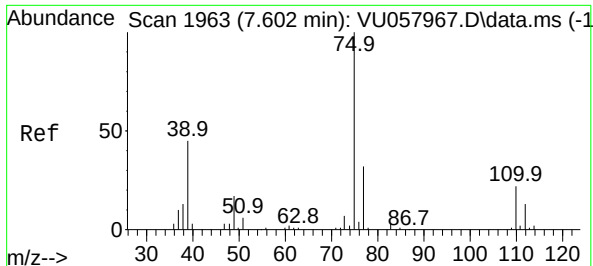
Tgt Ion: 63 Resp: 58811
Ion Ratio Lower Upper
63 100
112 3.1 3.0 4.4



#38
Bromodichloromethane
Concen: 5.108 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU057977.D
Acq: 01 Mar 2024 11:15

Tgt Ion: 83 Resp: 69926
Ion Ratio Lower Upper
83 100
85 63.1 44.5 82.7
127 7.9 6.6 9.8

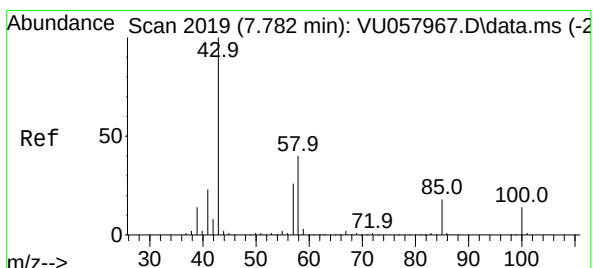
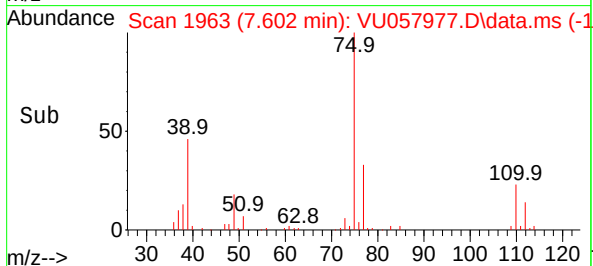
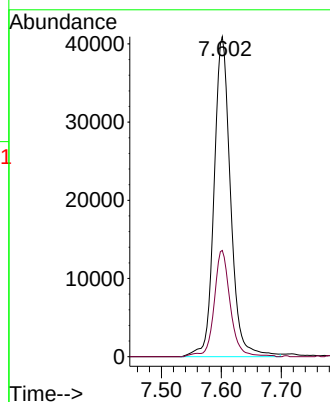
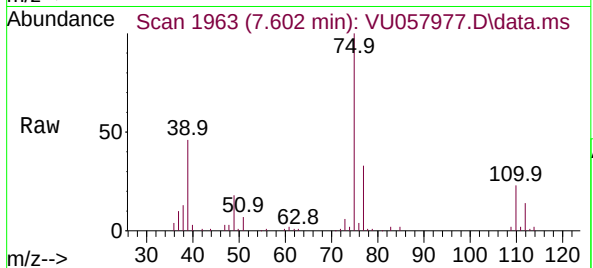




#39
 cis-1,3-Dichloropropene
 Concen: 5.032 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU057977.D
 Acq: 01 Mar 2024 11:15

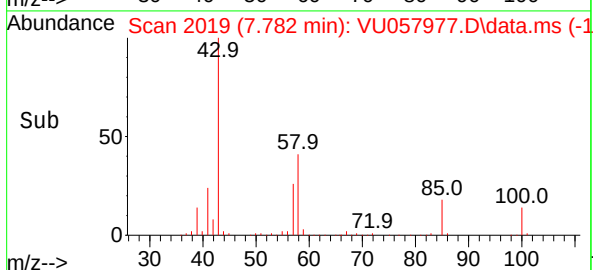
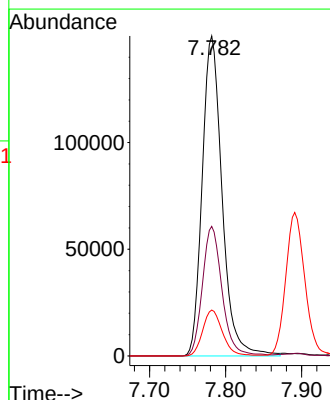
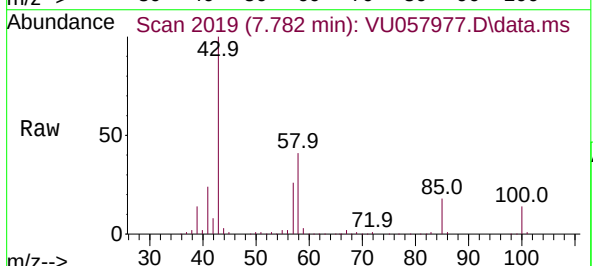
Instrument :
 MSVOA_U
 ClientSampleId :

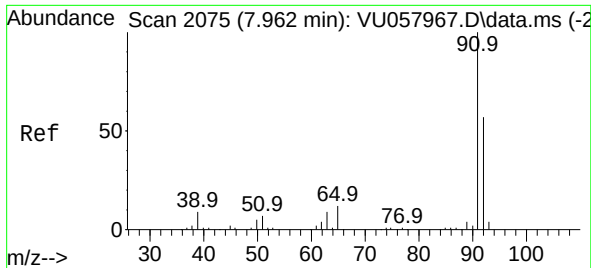
Tgt Ion: 75 Resp: 78226
 Ion Ratio Lower Upper
 75 100
 77 33.2 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 52.622 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU057977.D
 Acq: 01 Mar 2024 11:15

Tgt Ion: 43 Resp: 273143
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.7 47.5
 100 14.3 11.3 16.9





#42

Toluene

Concen: 5.084 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

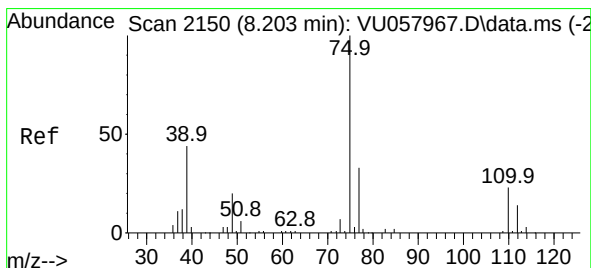
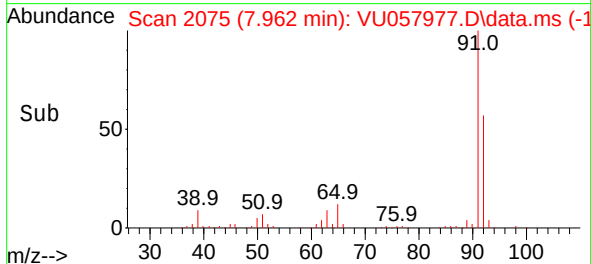
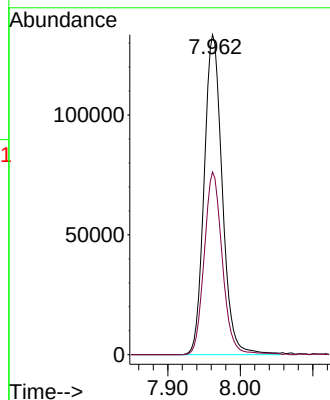
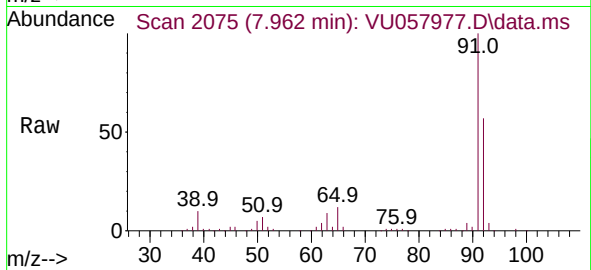
ClientSampleId :

Tgt Ion: 91 Resp: 231692

Ion Ratio Lower Upper

91 100

92 57.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.969 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU057977.D

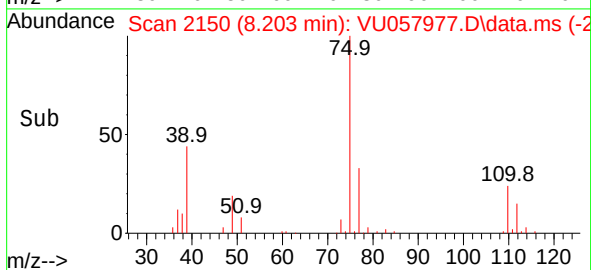
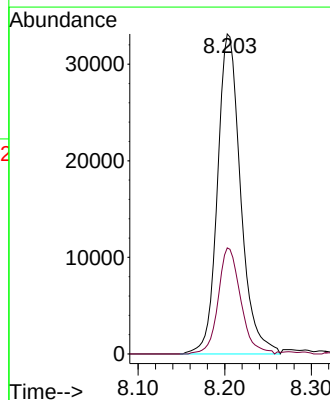
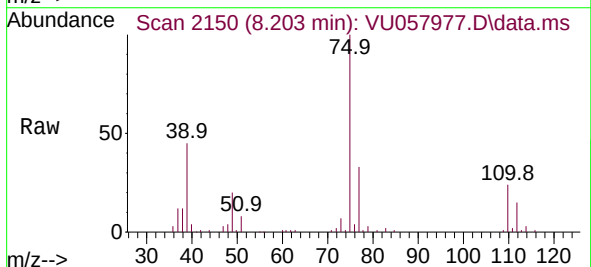
Acq: 01 Mar 2024 11:15

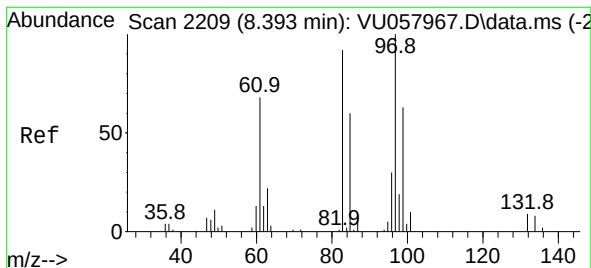
Tgt Ion: 75 Resp: 61565

Ion Ratio Lower Upper

75 100

77 33.2 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 5.146 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 34433

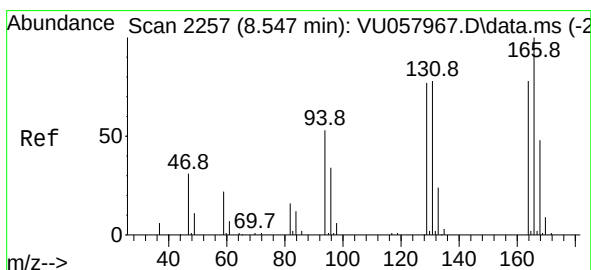
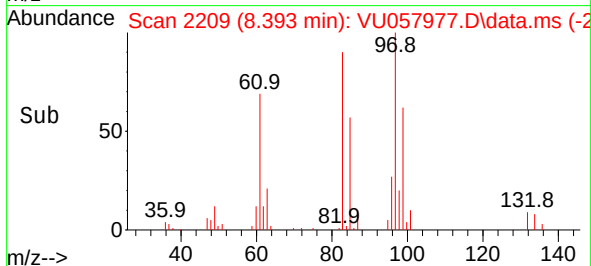
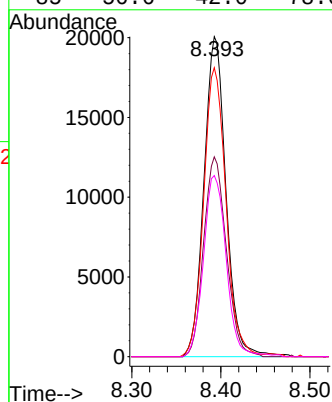
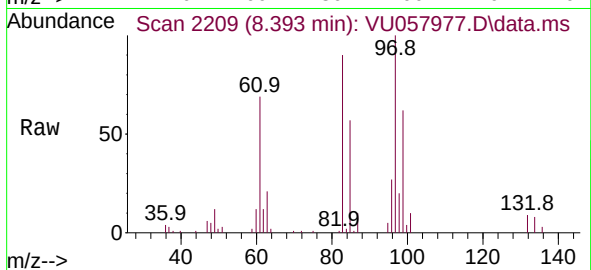
Ion Ratio Lower Upper

97 100

99 62.5 44.2 82.2

83 90.3 64.2 119.2

85 56.6 42.0 78.0



#47

Tetrachloroethene

Concen: 5.009 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Tgt Ion:164 Resp: 40007

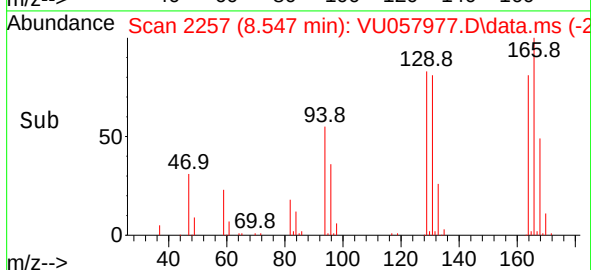
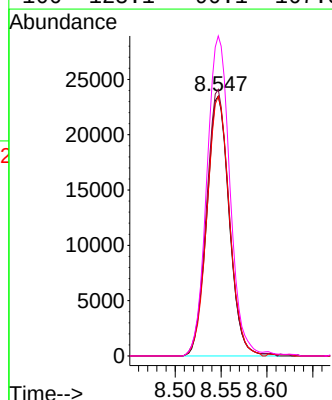
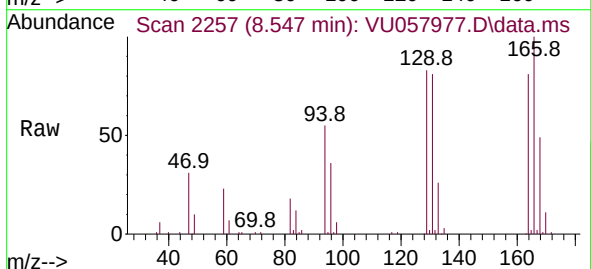
Ion Ratio Lower Upper

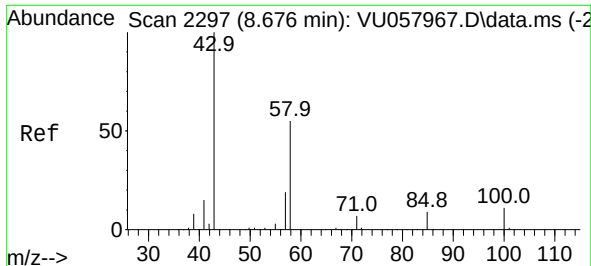
164 100

129 102.6 69.3 128.7

131 99.8 69.9 129.9

166 123.1 90.1 167.3





#48

2-Hexanone

Concen: 52.559 ug/L

RT: 8.675 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 200072

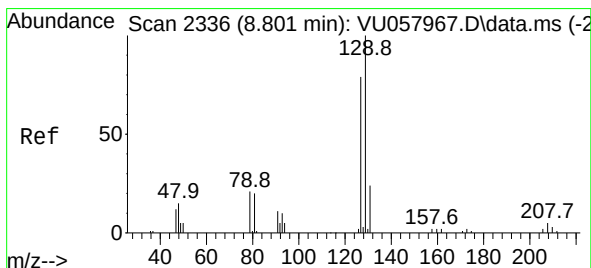
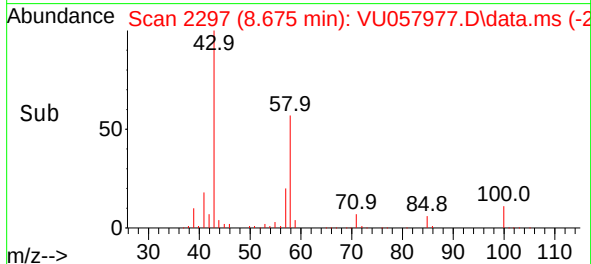
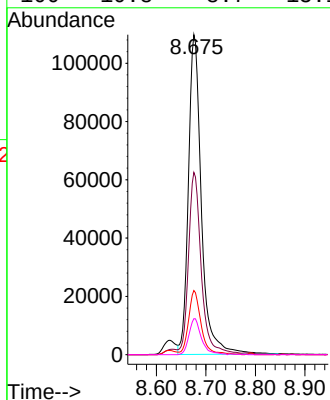
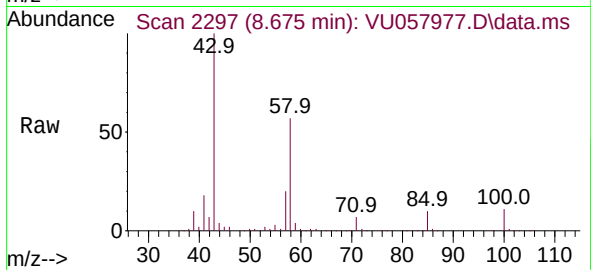
Ion Ratio Lower Upper

43 100

58 54.8 43.3 64.9

57 18.9 15.2 22.8

100 10.8 8.7 13.1



#49

Dibromochloromethane

Concen: 5.163 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU057977.D

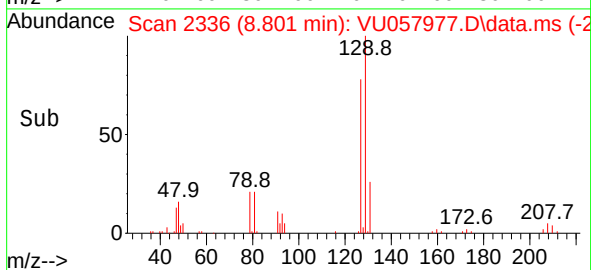
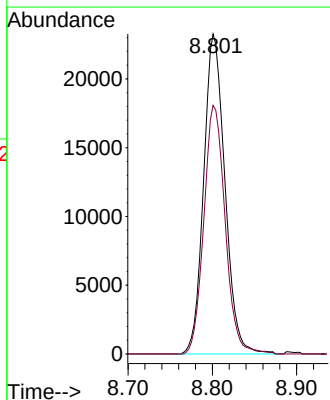
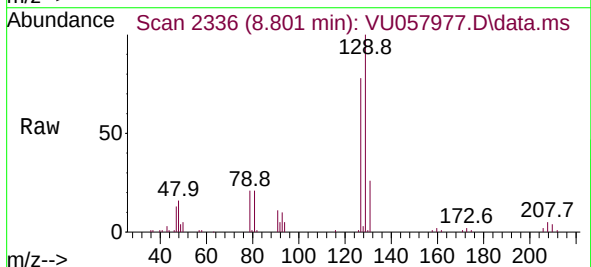
Acq: 01 Mar 2024 11:15

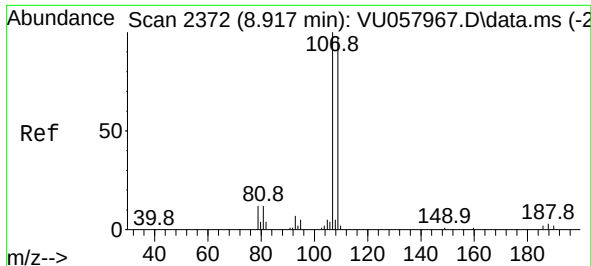
Tgt Ion: 129 Resp: 40892

Ion Ratio Lower Upper

129 100

127 77.7 55.2 102.6





#50

1,2-Dibromoethane

Concen: 5.310 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :

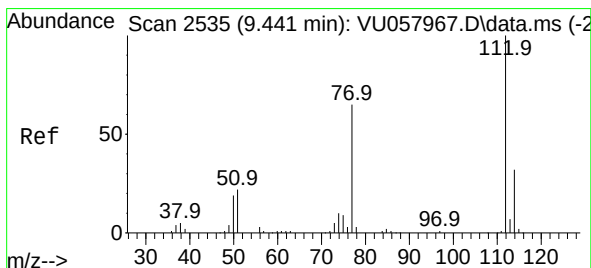
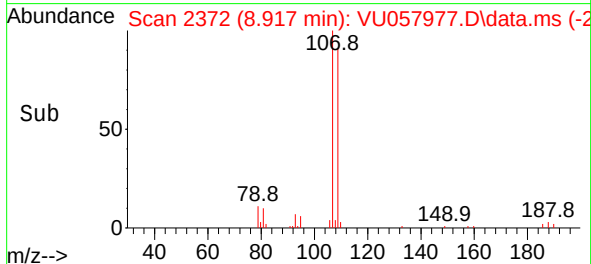
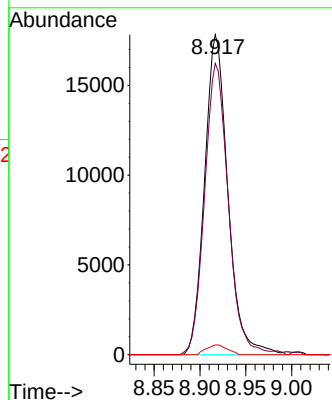
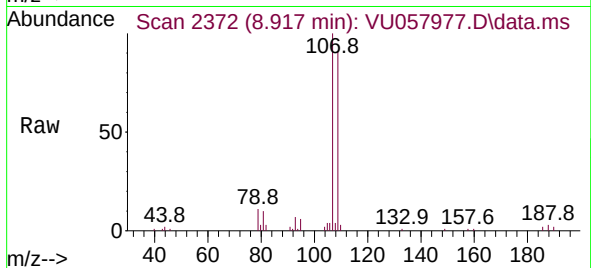
Tgt Ion:107 Resp: 31529

Ion Ratio Lower Upper

107 100

109 91.0 67.8 125.8

188 3.0 2.4 3.6



#51

Chlorobenzene

Concen: 4.989 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

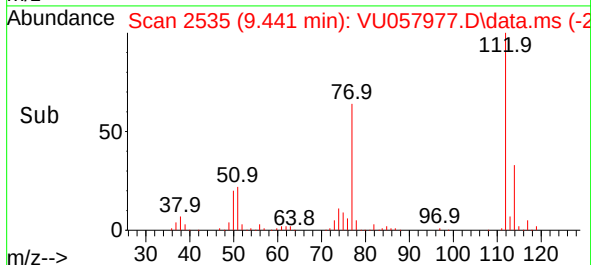
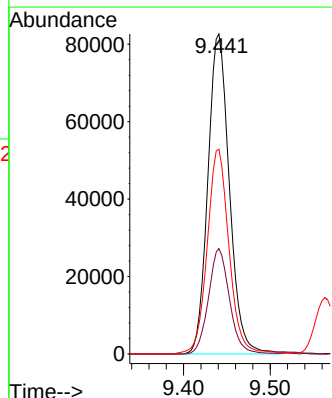
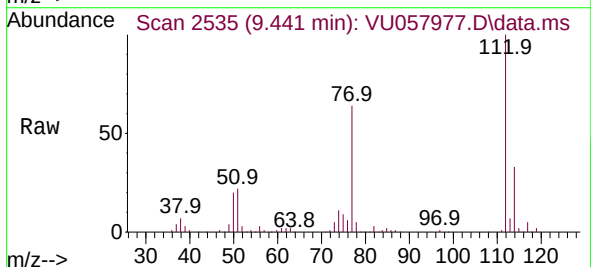
Tgt Ion:112 Resp: 142574

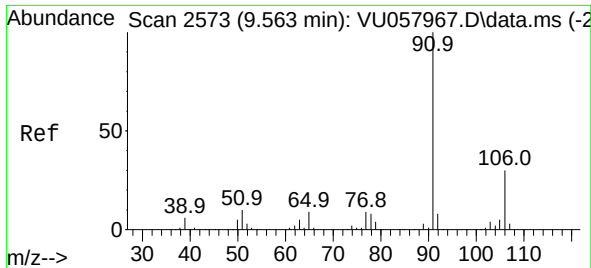
Ion Ratio Lower Upper

112 100

114 33.0 22.7 42.1

77 64.0 52.3 78.5





#52

Ethylbenzene

Concen: 5.044 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

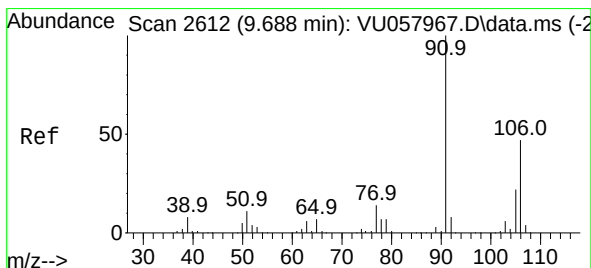
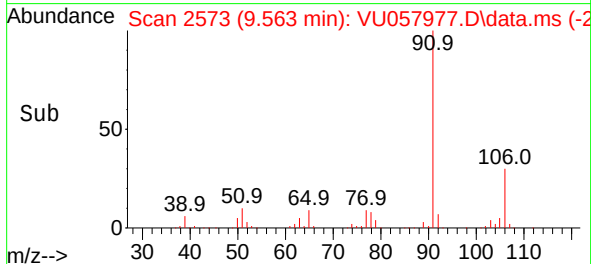
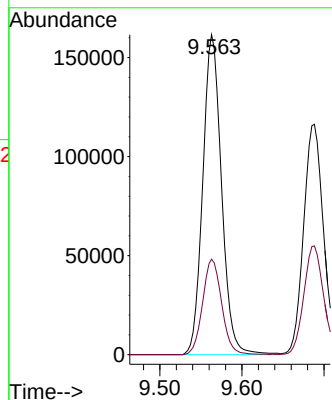
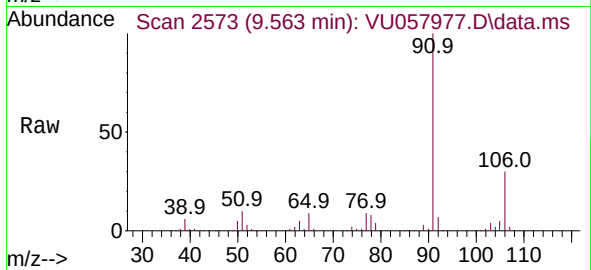
ClientSampleId :

Tgt Ion: 91 Resp: 257214

Ion Ratio Lower Upper

91 100

106 29.9 20.9 38.7



#53

m,p-Xylene

Concen: 5.166 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU057977.D

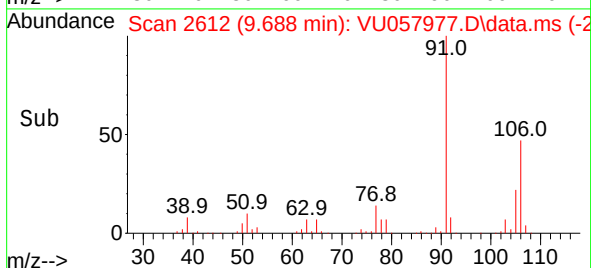
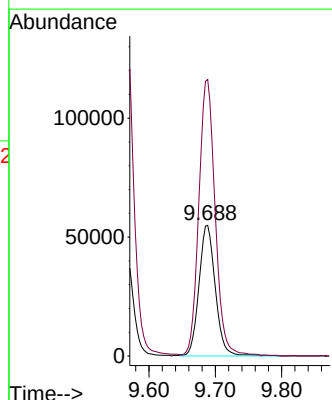
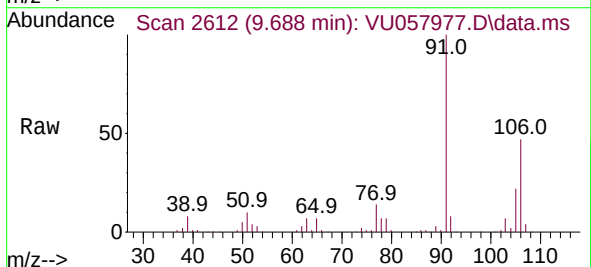
Acq: 01 Mar 2024 11:15

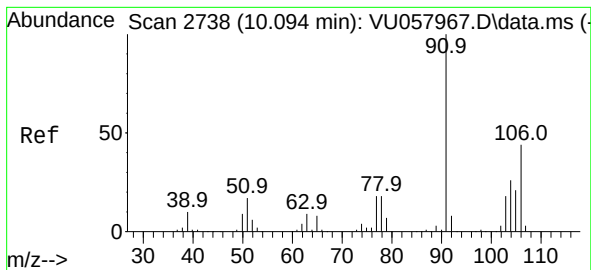
Tgt Ion:106 Resp: 94121

Ion Ratio Lower Upper

106 100

91 211.6 148.8 276.4





#54

o-Xylene

Concen: 5.036 ug/L

RT: 10.093 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

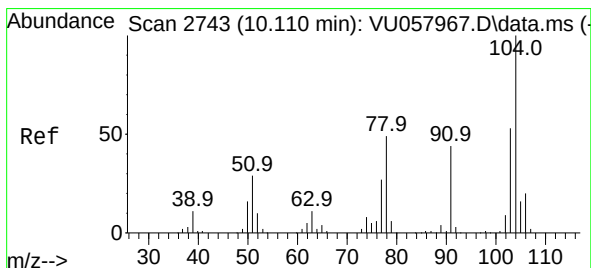
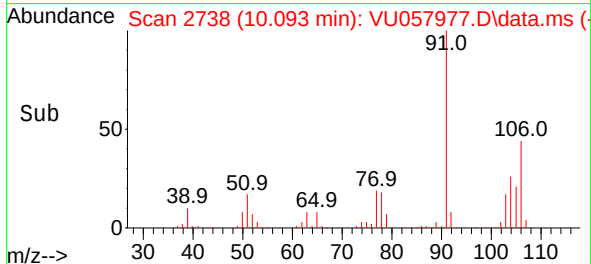
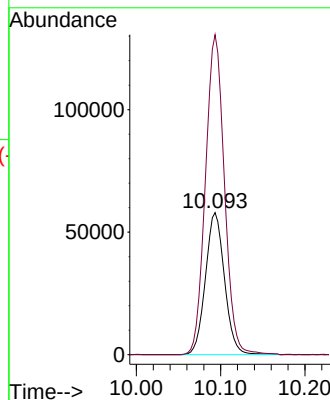
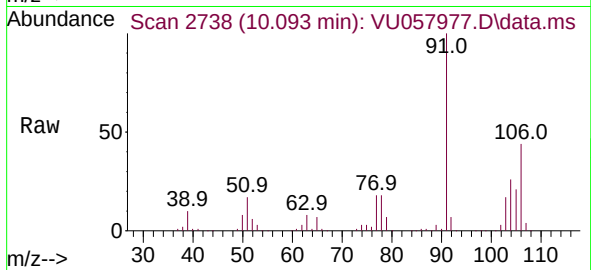
ClientSampleId :

Tgt Ion:106 Resp: 91449

Ion Ratio Lower Upper

106 100

91 225.2 158.3 294.1



#55

Styrene

Concen: 5.088 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU057977.D

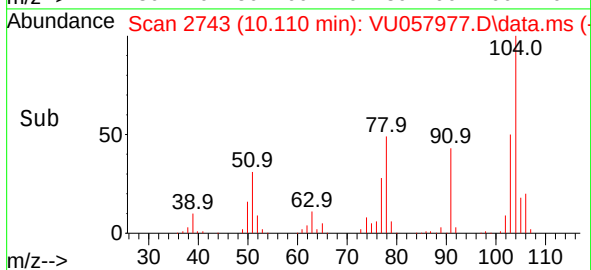
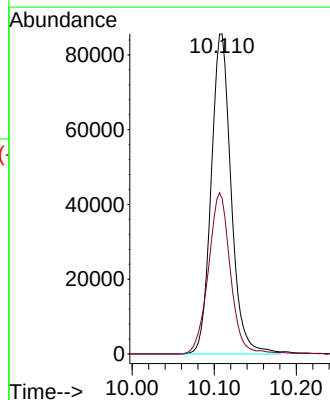
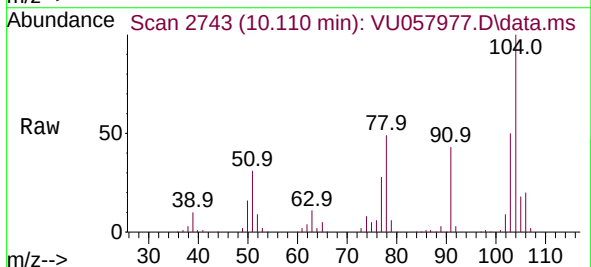
Acq: 01 Mar 2024 11:15

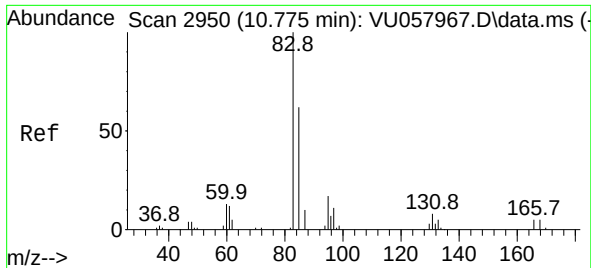
Tgt Ion:104 Resp: 145019

Ion Ratio Lower Upper

104 100

78 48.5 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.213 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :

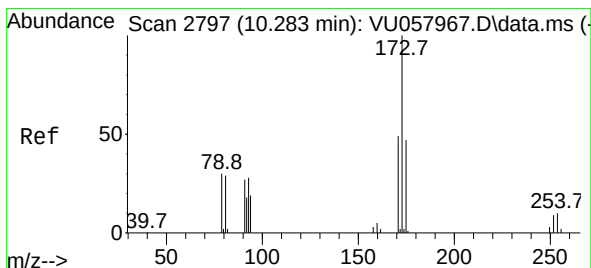
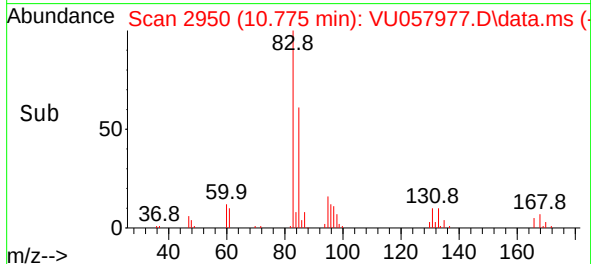
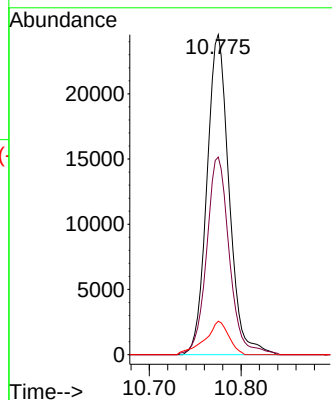
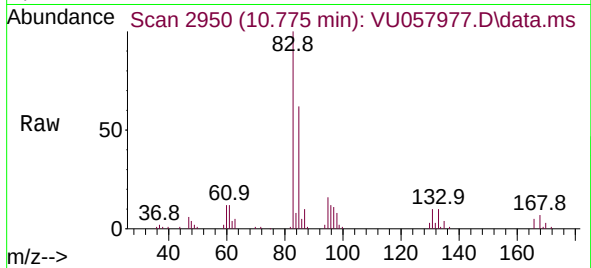
Tgt Ion: 83 Resp: 41086

Ion Ratio Lower Upper

83 100

85 61.8 44.0 81.6

131 10.4 6.9 10.3#



#59

Bromoform

Concen: 5.308 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

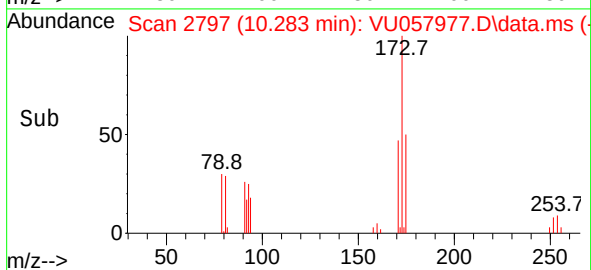
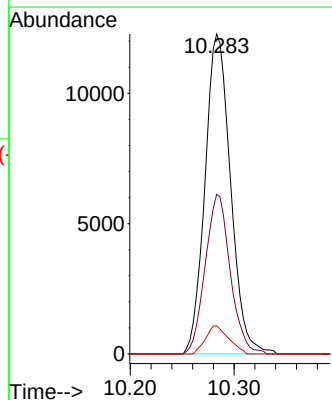
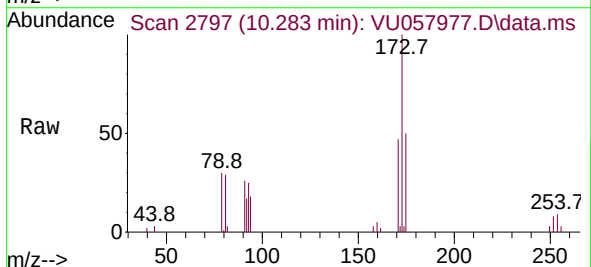
Tgt Ion:173 Resp: 20956

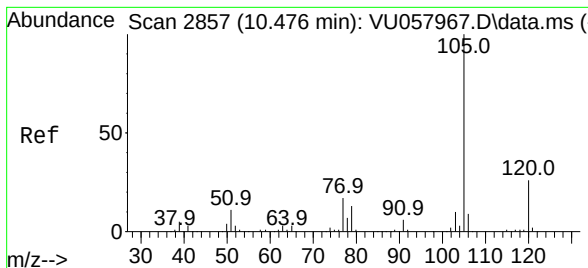
Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

254 8.0 7.3 10.9





#60

Isopropylbenzene

Concen: 5.015 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU057977.D

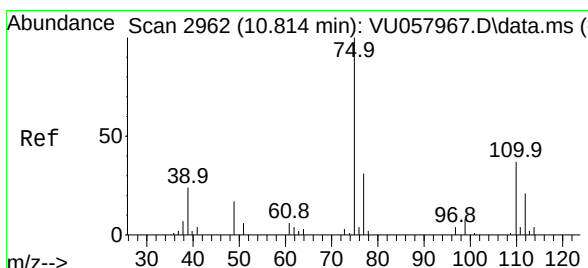
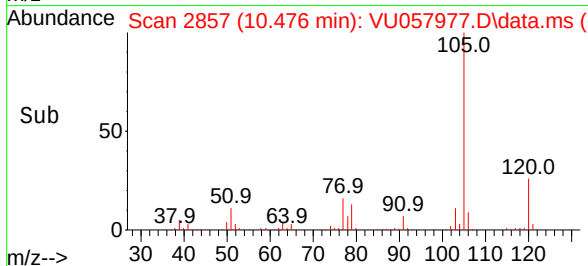
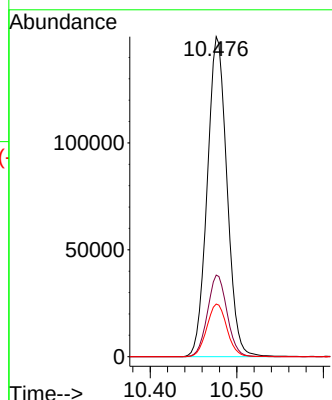
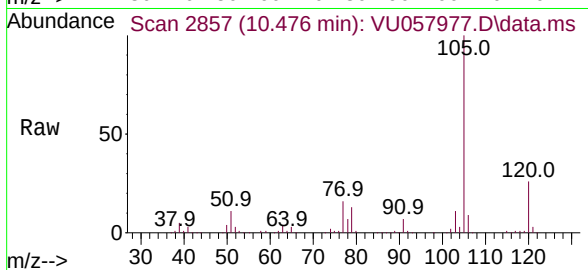
Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	236435
Ion Ratio	Lower	Upper	
105	100		
120	25.3	20.4	30.6
77	16.8	13.2	19.8



#61

1,2,3-Trichloropropane

Concen: 5.054 ug/L

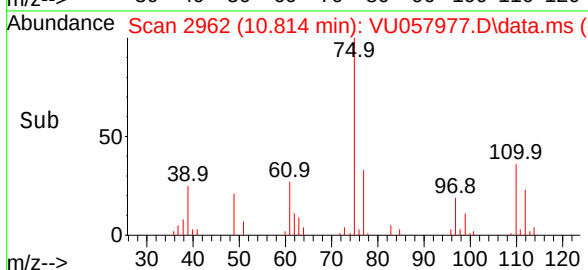
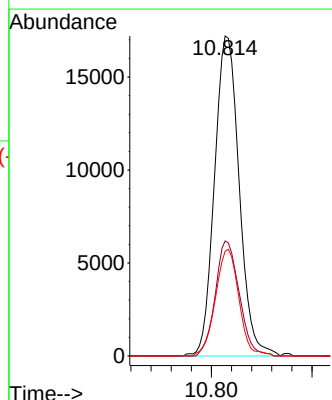
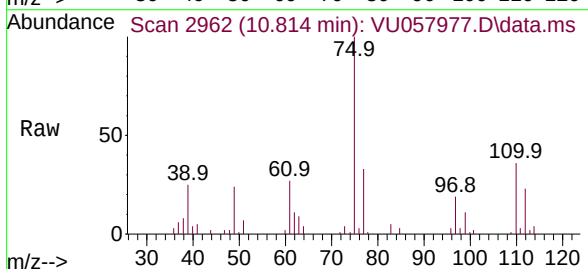
RT: 10.814 min Scan# 2962

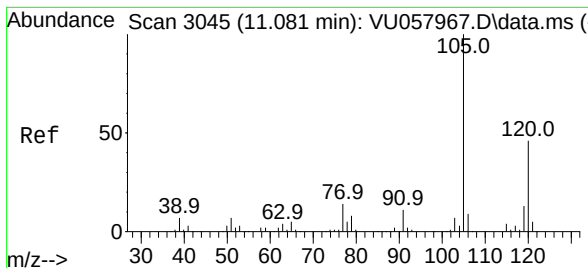
Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Tgt Ion:	75	Resp:	29309
Ion Ratio	Lower	Upper	
75	100		
110	34.9	28.0	42.0
77	31.6	24.7	37.1





#62

1,3,5-Trimethylbenzene

Concen: 5.058 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

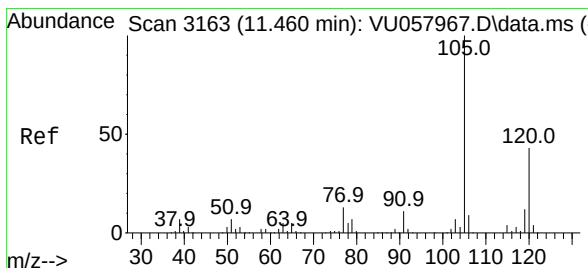
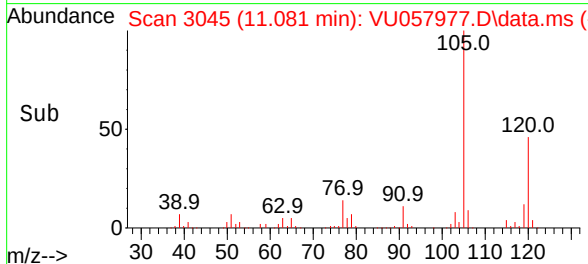
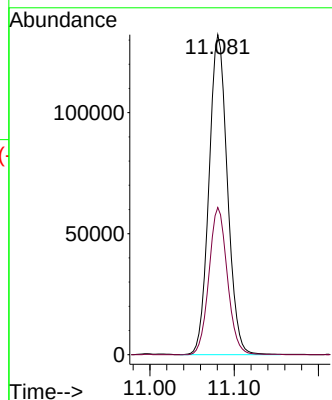
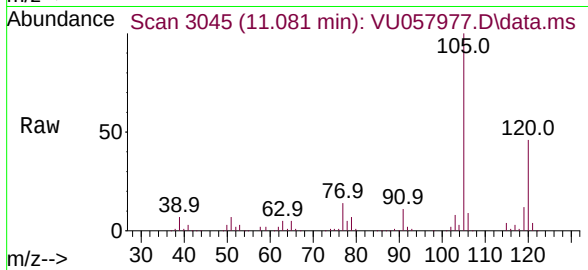
ClientSampleId :

Tgt Ion:105 Resp: 201135

Ion Ratio Lower Upper

105 100

120 45.9 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 5.052 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU057977.D

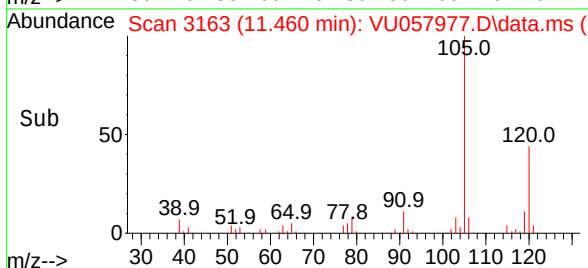
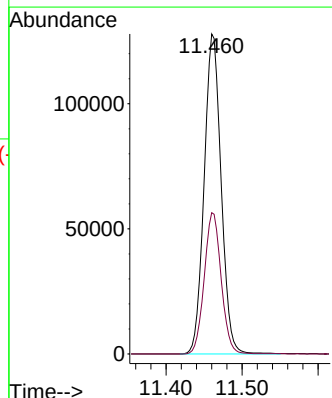
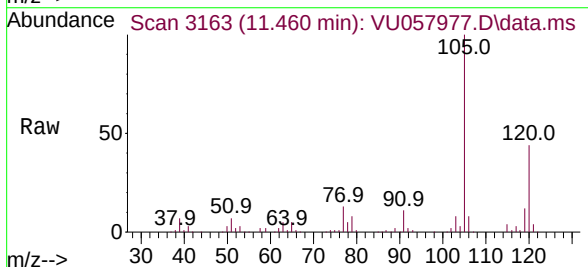
Acq: 01 Mar 2024 11:15

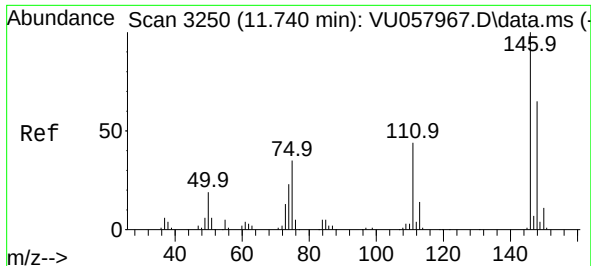
Tgt Ion:105 Resp: 198269

Ion Ratio Lower Upper

105 100

120 43.9 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 5.097 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :

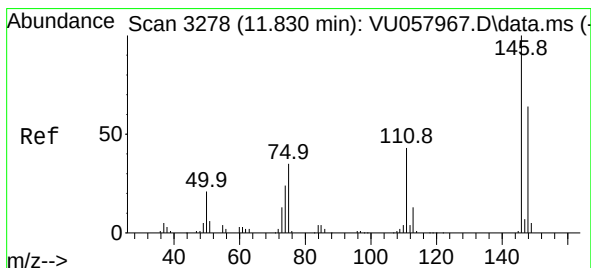
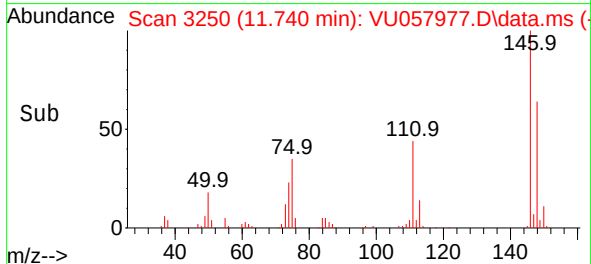
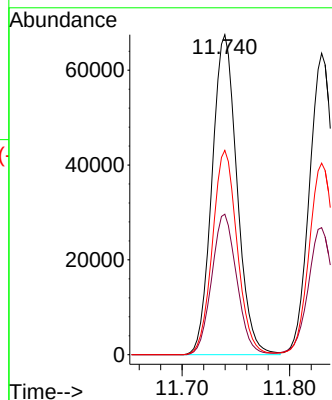
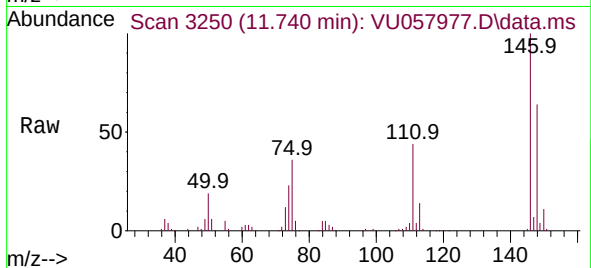
Tgt Ion:146 Resp: 109237

Ion Ratio Lower Upper

146 100

111 43.9 30.9 57.5

148 63.9 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 4.972 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

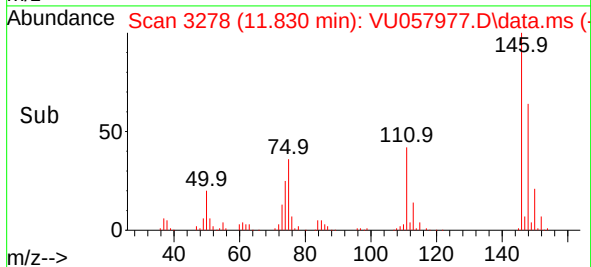
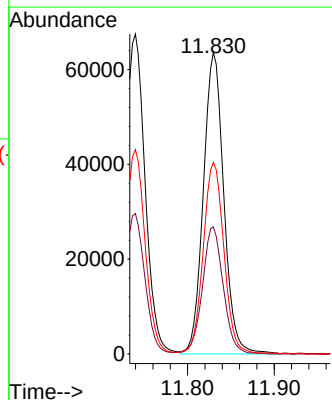
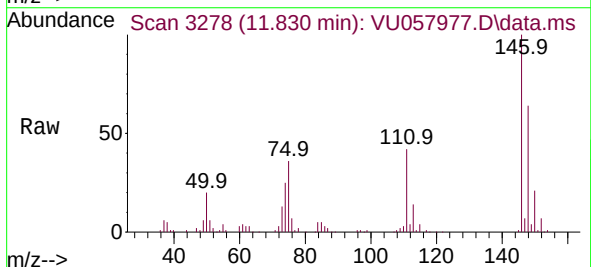
Tgt Ion:146 Resp: 104295

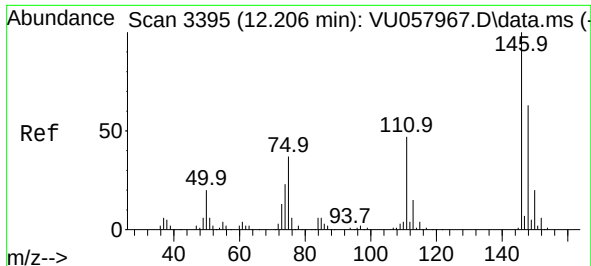
Ion Ratio Lower Upper

146 100

111 42.1 30.1 55.9

148 63.5 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 5.109 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

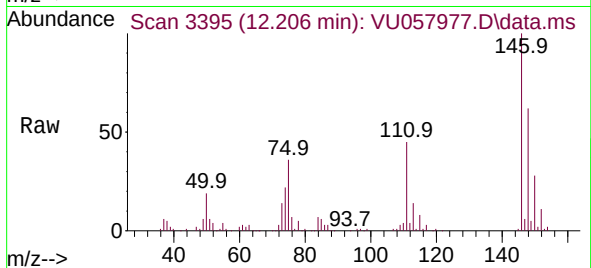
Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :



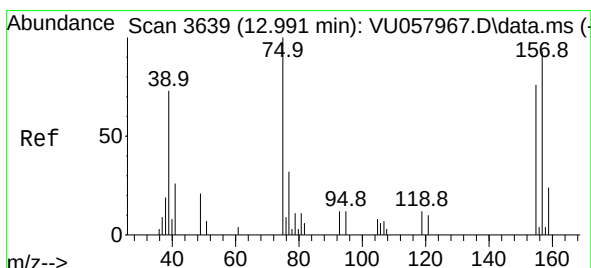
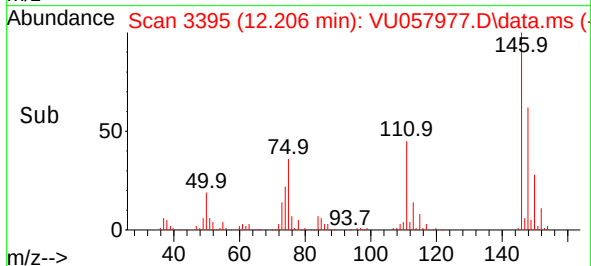
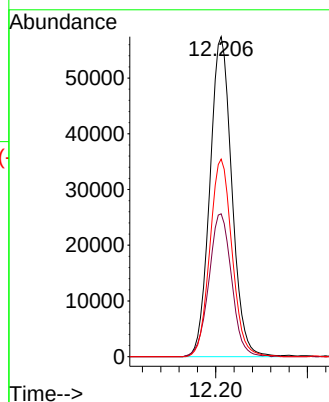
Tgt Ion:146 Resp: 95591

Ion Ratio Lower Upper

146 100

111 44.7 37.4 56.0

148 61.8 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.218 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

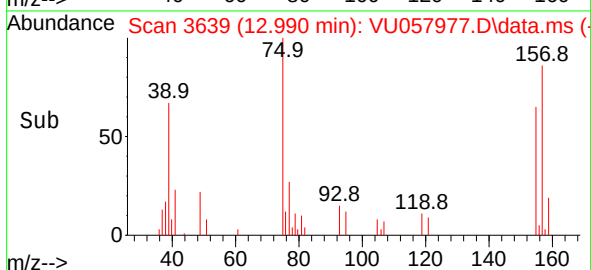
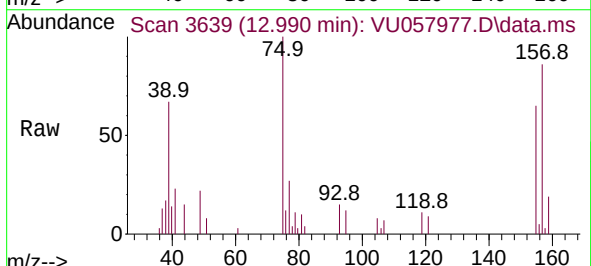
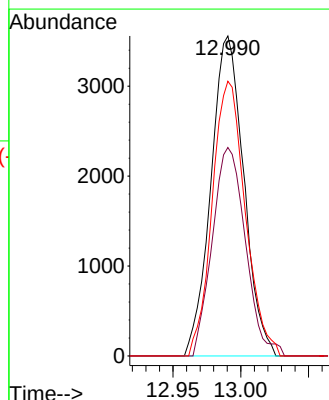
Tgt Ion: 75 Resp: 6003

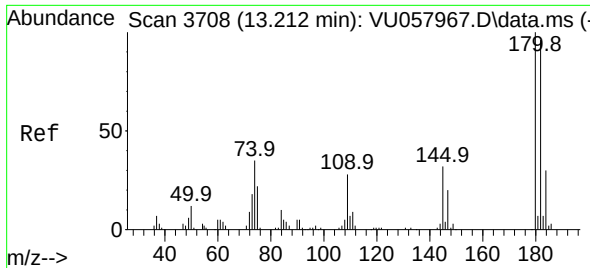
Ion Ratio Lower Upper

75 100

155 65.1 61.0 91.6

157 85.9 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 4.940 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

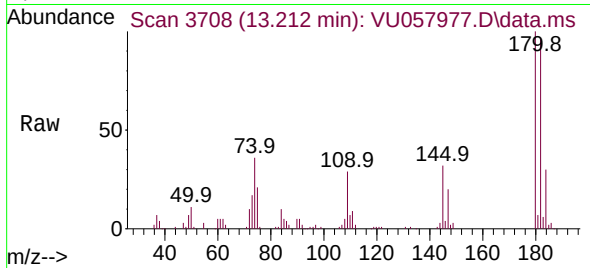
Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 76150

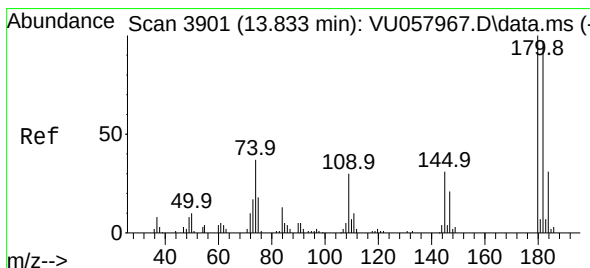
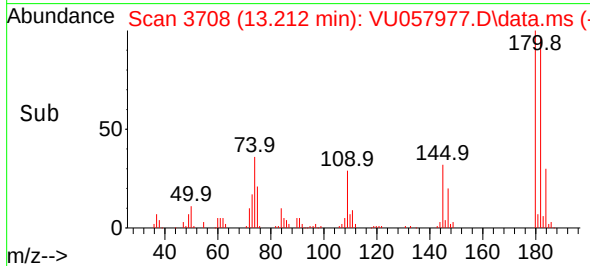
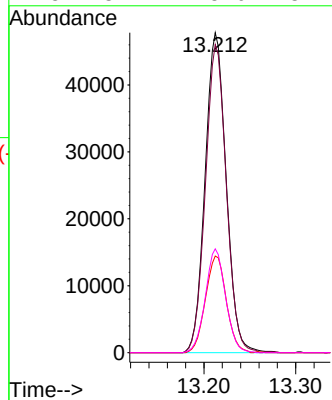
Ion Ratio Lower Upper

180 100

182 95.2 76.3 114.5

184 29.9 24.6 36.8

145 31.2 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 4.885 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

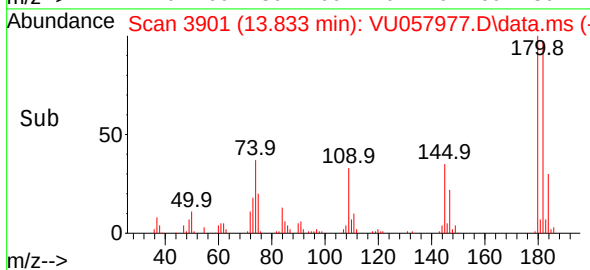
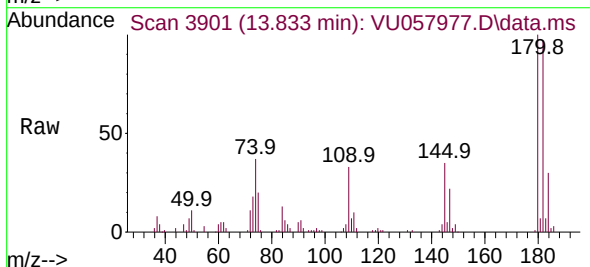
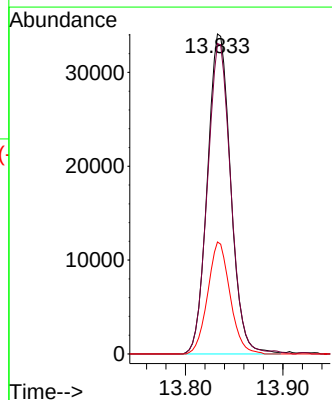
Tgt Ion:180 Resp: 56576

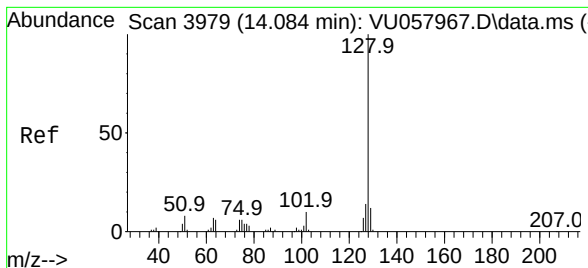
Ion Ratio Lower Upper

180 100

182 97.2 77.9 116.9

145 33.6 25.8 38.8





#71

Naphthalene

Concen: 4.624 ug/L

RT: 14.080 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU057977.D

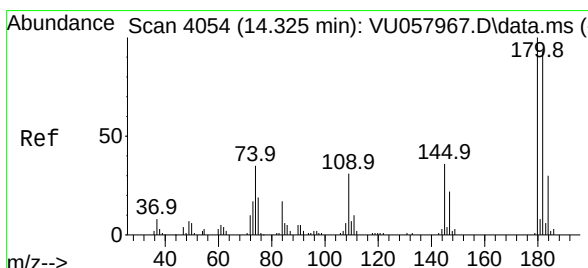
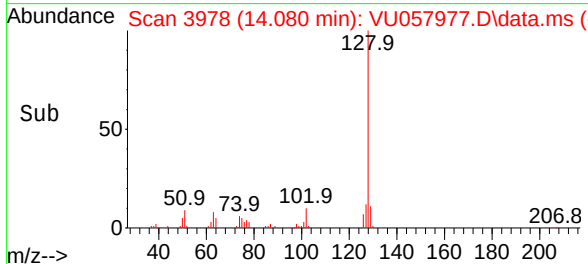
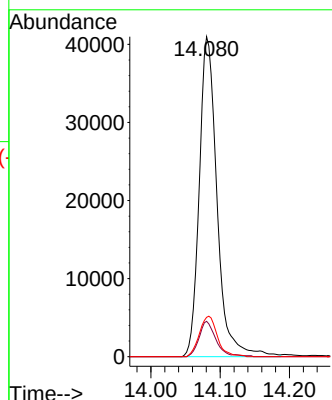
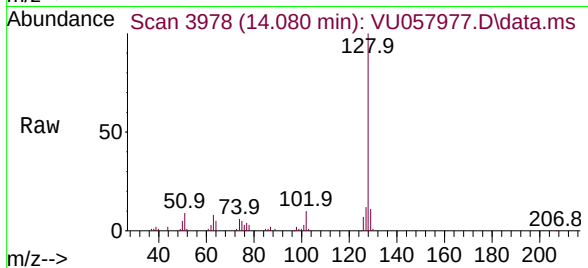
Acq: 01 Mar 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp:	73144
Ion Ratio	Lower	Upper
128	100	
129	10.4	9.0 13.6
127	12.8	10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.949 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU057977.D

Acq: 01 Mar 2024 11:15

Tgt Ion:180	Resp:	45280
Ion Ratio	Lower	Upper
180	100	
182	95.7	77.6 116.4
145	34.1	28.7 43.1

