

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022824\
 Data File : VU057963.D
 Acq On : 28 Feb 2024 15:12
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 29 00:10:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 29 00:08:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	283203	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	271400	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	136231	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	94222	45.955	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.900%
7) Chloroethane-d5	1.904	69	73403	48.437	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.880%
11) 1,1-Dichloroethene-d2	2.560	63	178200	46.636	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.280%
21) 2-Butanone-d5	4.608	46	79261	101.744	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.740%
24) Chloroform-d	5.052	84	167375	48.142	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.280%
26) 1,2-Dichloroethane-d4	5.692	65	104714	48.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.100%
32) Benzene-d6	5.718	84	325707	47.888	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.780%
36) 1,2-Dichloropropane-d6	6.682	67	105002	47.811	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.620%
41) Toluene-d8	7.891	98	298649	48.507	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.020%
43) trans-1,3-Dichloroprop...	8.174	79	49760	47.579	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.160%
47) 2-Hexanone-d5	8.624	63	60623	71.803	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.800%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	130208	42.966	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.940%
66) 1,2-Dichlorobenzene-d4	12.187	152	104547	47.395	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	135364	43.600	ug/L	99
3) Chloromethane	1.515	50	130176	41.237	ug/L	98
5) Vinyl chloride	1.599	62	134650	43.195	ug/L	99
6) Bromomethane	1.850	94	77422	63.611	ug/L	99
8) Chloroethane	1.927	64	77910	42.736	ug/L	99
9) Trichlorofluoromethane	2.133	101	173102	45.381	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	106873	48.209	ug/L	99
12) 1,1-Dichloroethene	2.573	96	94795	46.230	ug/L	93
13) Acetone	2.608	43	113495	78.686	ug/L	100
14) Carbon disulfide	2.785	76	301925	44.993	ug/L	99
15) Methyl Acetate	2.933	43	92527	39.403	ug/L	98
16) Methylene chloride	3.033	84	107453	40.205	ug/L	98
17) trans-1,2-Dichloroethene	3.342	96	98819	46.452	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	320951	43.334	ug/L	100
19) 1,1-Dichloroethane	3.856	63	198709	45.053	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	111913	45.858	ug/L	96
22) 2-Butanone	4.686	43	136007	77.829	ug/L	100
23) Bromochloromethane	4.962	128	53001	44.699	ug/L	97
25) Chloroform	5.075	83	201994	46.384	ug/L	99

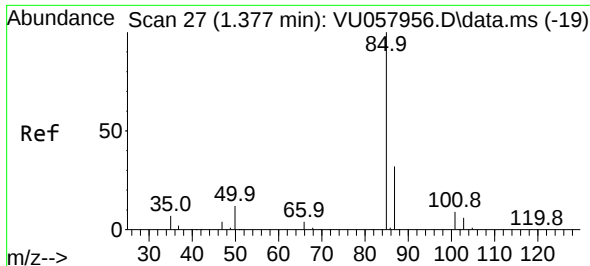
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022824\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	159635	44.056	ug/L	98
29) Cyclohexane	5.380	56	181066	45.331	ug/L	100
30) 1,1,1-Trichloroethane	5.306	97	172623	47.199	ug/L	99
31) Carbon tetrachloride	5.515	117	147186	46.864	ug/L	98
33) Benzene	5.763	78	432808	45.722	ug/L	100
34) Trichloroethene	6.534	95	114216	46.939	ug/L	98
35) Methylcyclohexane	6.756	83	185368	46.889	ug/L	99
37) 1,2-Dichloropropane	6.782	63	119615	44.782	ug/L	100
38) Bromodichloromethane	7.097	83	151481	47.228	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	189632	46.457	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	269147	80.050	ug/L	99
42) Toluene	7.962	91	453043	46.244	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	169584	44.769	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	107632	45.351	ug/L	99
46) Tetrachloroethene	8.547	164	79951	47.744	ug/L	96
48) 2-Hexanone	8.676	43	204133	74.384	ug/L	96
49) Dibromochloromethane	8.801	129	108980	46.109	ug/L	100
50) 1,2-Dibromoethane	8.917	107	110161	44.084	ug/L	99
51) Chlorobenzene	9.441	112	283354	45.485	ug/L	98
52) Ethylbenzene	9.563	91	507316	46.183	ug/L	99
53) m,p-Xylene	9.689	106	184806	46.260	ug/L	99
54) o-Xylene	10.094	106	178666	45.265	ug/L	97
55) Styrene	10.107	104	307112	45.373	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	164923	40.793	ug/L	99
59) Bromoform	10.283	173	74667	44.649	ug/L #	99
60) 1,2,3-Trichloropropane	10.814	75	126955	40.224	ug/L	100
61) Isopropylbenzene	10.476	105	488051	45.842	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	399797	43.587	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	397730	43.153	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	207475	44.075	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	210156	43.825	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	198426	42.846	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	29210	38.979	ug/L	97
69) 1,3,5-Trichlorobenzene	13.213	180	137977	43.580	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	115724	45.397	ug/L	100
71) Naphthalene	14.081	128	271402	40.093	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	103243	44.095	ug/L	99

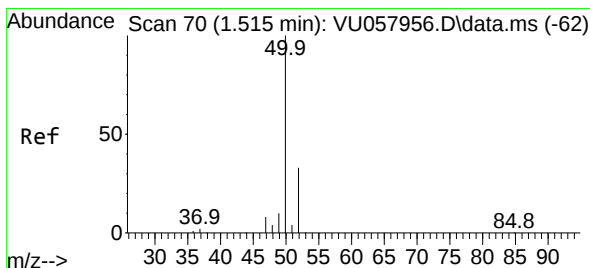
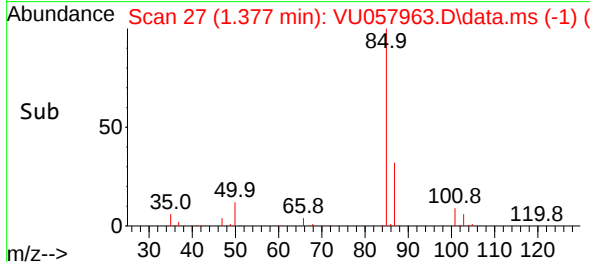
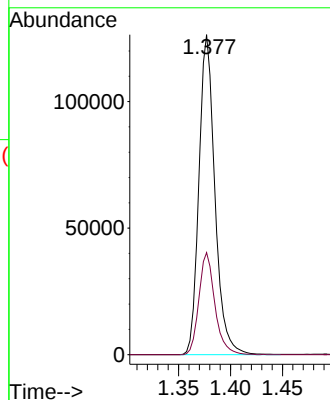
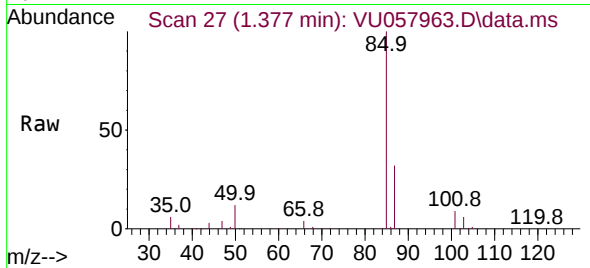
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 43.600 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU057963.D
 Acq: 28 Feb 2024 15:12

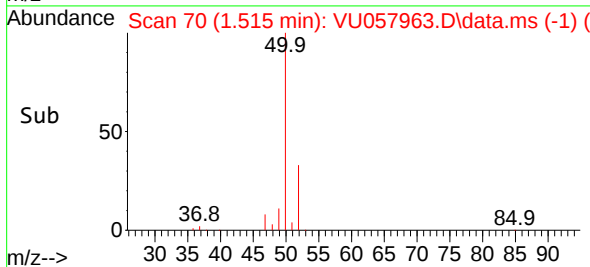
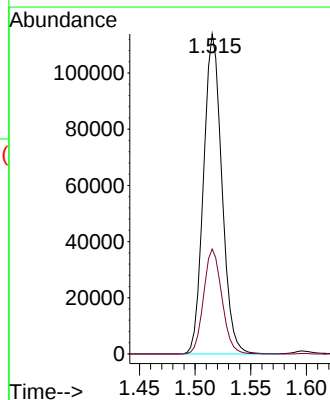
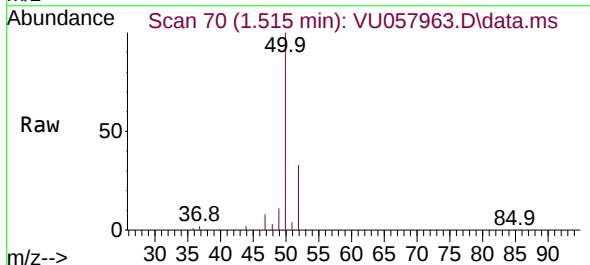
Instrument :
 MSVOA_U
 ClientSampleId :

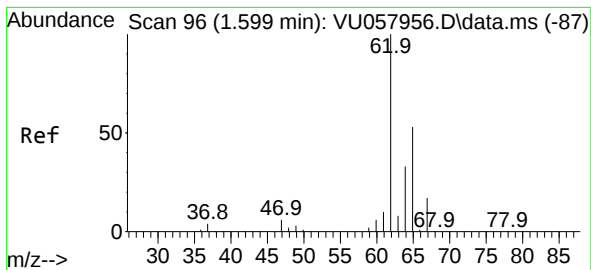
Tgt Ion: 85 Resp: 135364
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.2 39.2



#3
 Chloromethane
 Concen: 41.237 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057963.D
 Acq: 28 Feb 2024 15:12

Tgt Ion: 50 Resp: 130176
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.8 44.2





#5

Vinyl chloride

Concen: 43.195 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

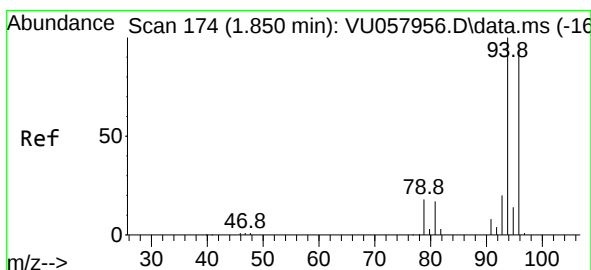
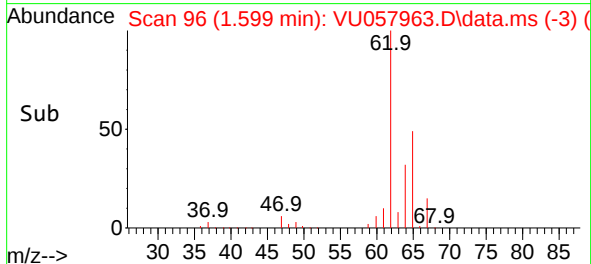
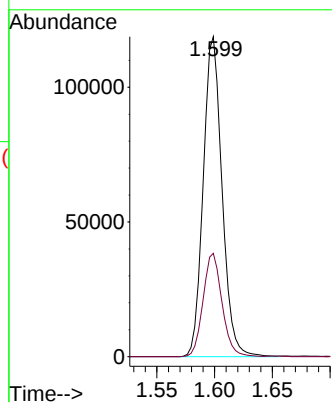
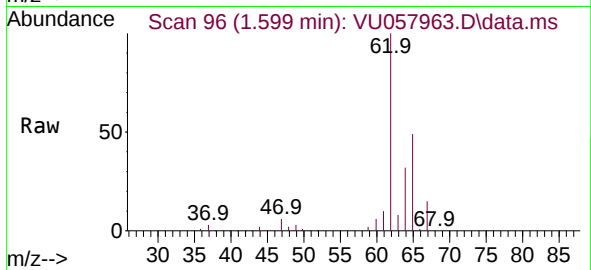
ClientSampleId :

Tgt Ion: 62 Resp: 134650

Ion Ratio Lower Upper

62 100

64 32.3 23.1 42.9



#6

Bromomethane

Concen: 63.611 ug/L

RT: 1.850 min Scan# 174

Delta R.T. 0.000 min

Lab File: VU057963.D

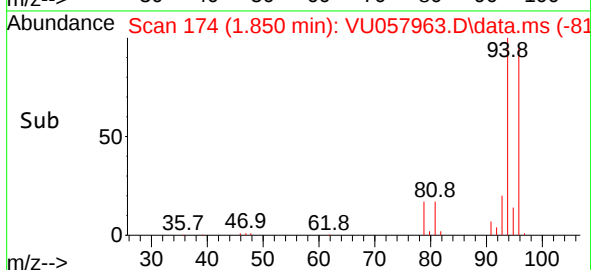
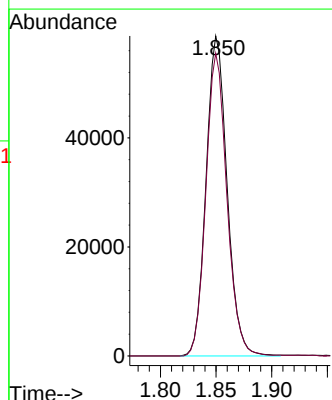
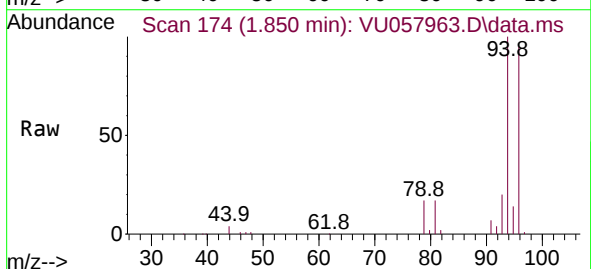
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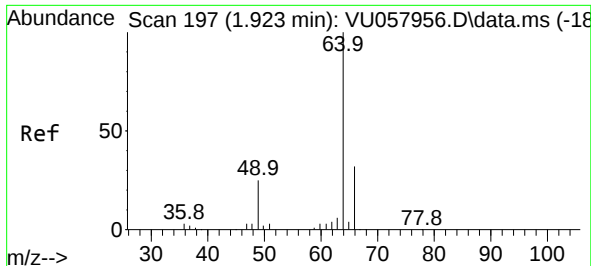
Tgt Ion: 94 Resp: 77422

Ion Ratio Lower Upper

94 100

96 94.6 65.5 121.7





#8

Chloroethane

Concen: 42.736 ug/L

RT: 1.927 min Scan# 197

Delta R.T. 0.003 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

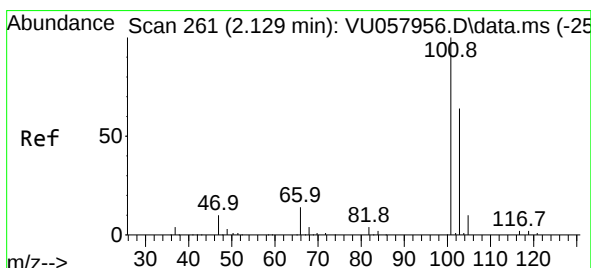
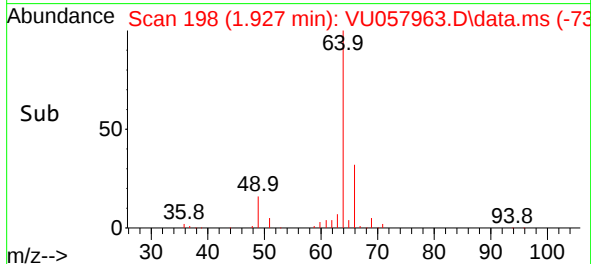
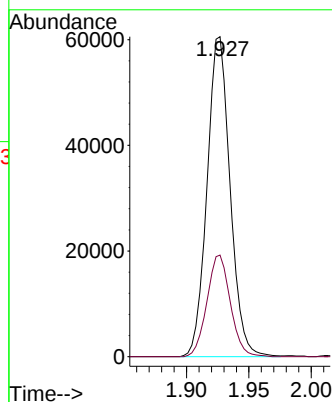
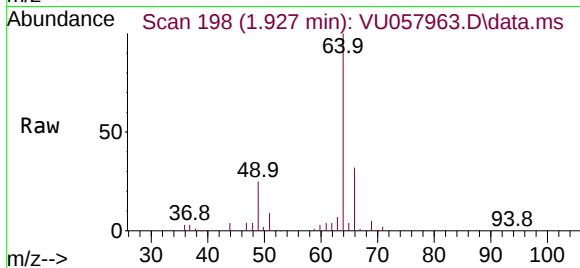
ClientSampleId :

Tgt Ion: 64 Resp: 77910

Ion Ratio Lower Upper

64 100

66 31.8 22.5 41.9



#9

Trichlorofluoromethane

Concen: 45.381 ug/L

RT: 2.133 min Scan# 262

Delta R.T. 0.003 min

Lab File: VU057963.D

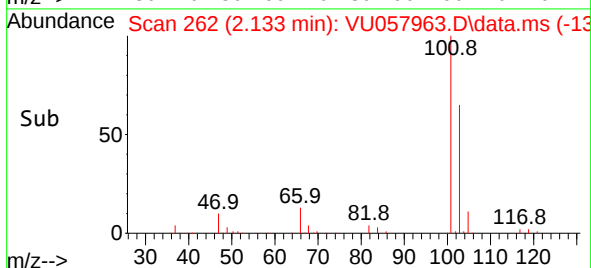
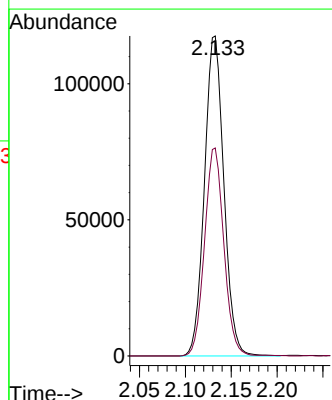
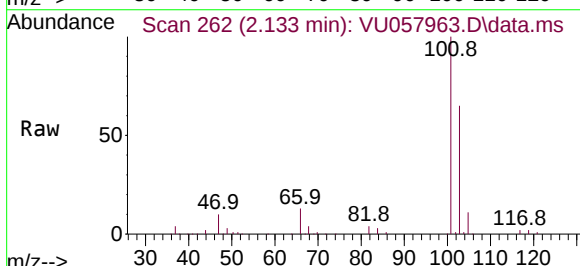
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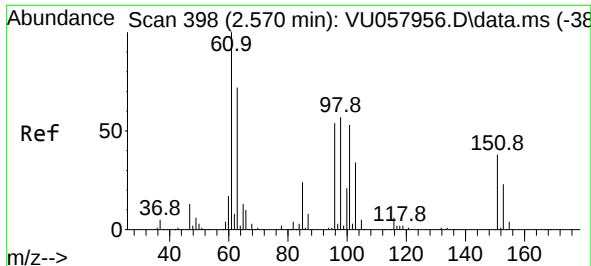
Tgt Ion:101 Resp: 173102

Ion Ratio Lower Upper

101 100

103 64.6 51.7 77.5

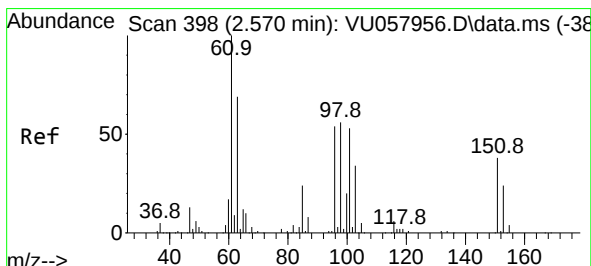
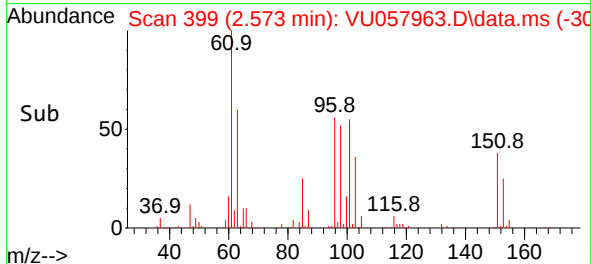
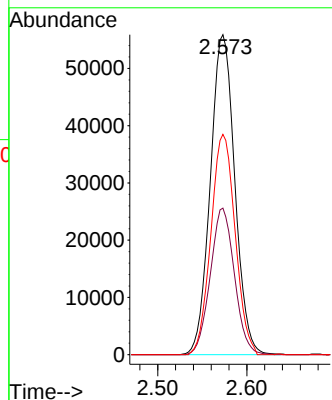
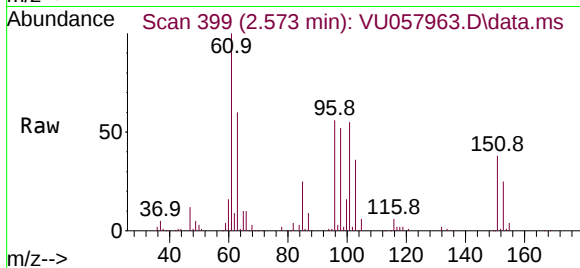




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.209 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.003 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

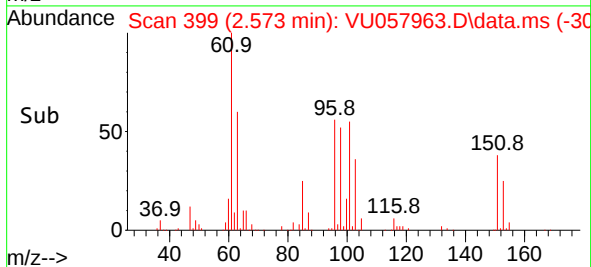
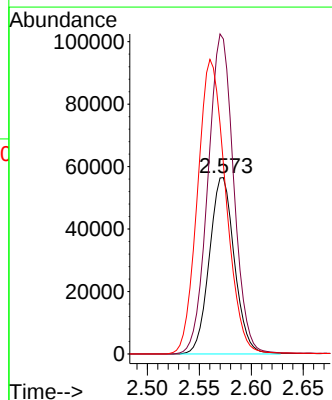
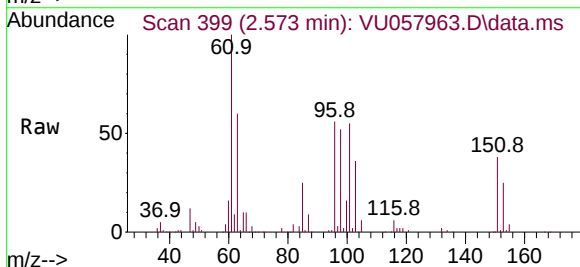
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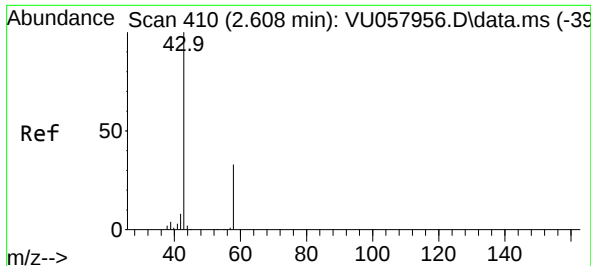
Tgt Ion:101 Resp: 106873
Ion Ratio Lower Upper
101 100
85 45.1 35.7 53.5
151 68.1 55.8 83.6



#12
1,1-Dichloroethene
Concen: 46.230 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.003 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

Tgt Ion: 96 Resp: 94795
Ion Ratio Lower Upper
96 100
61 178.6 126.8 235.6
63 107.8 86.5 160.7





#13

Acetone

Concen: 78.686 ug/L

RT: 2.608 min Scan# 410

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

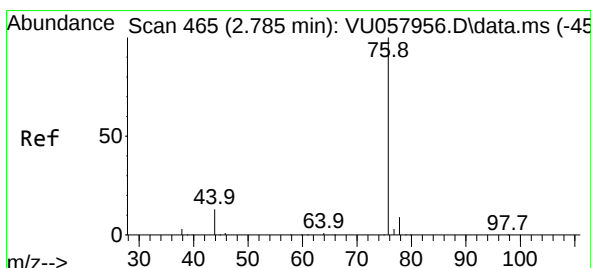
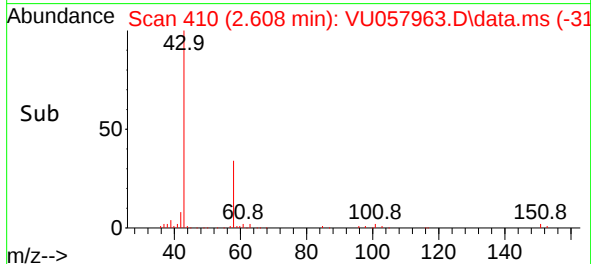
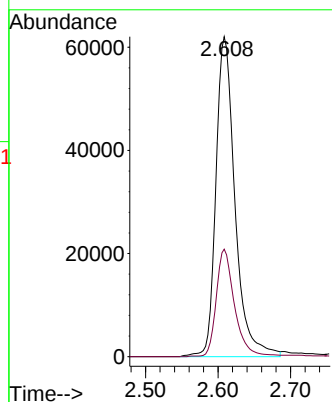
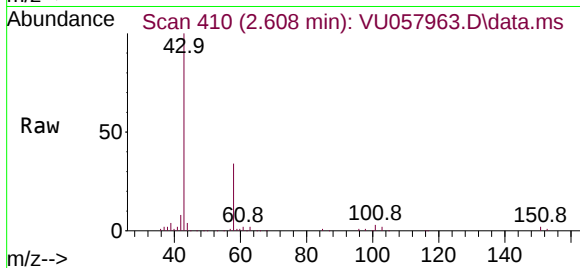
ClientSampleId :

Tgt Ion: 43 Resp: 113495

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.2



#14

Carbon disulfide

Concen: 44.993 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU057963.D

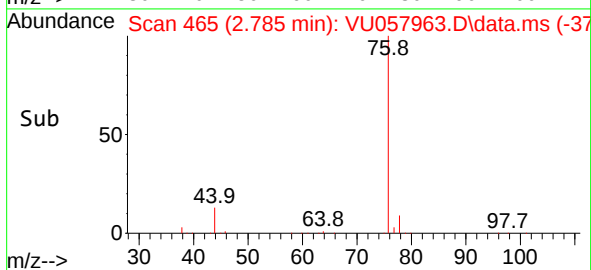
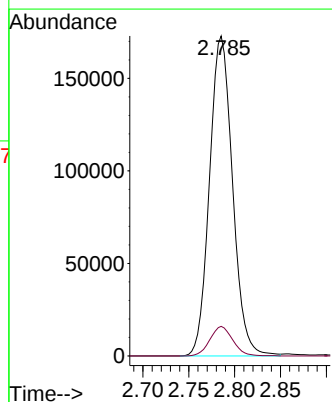
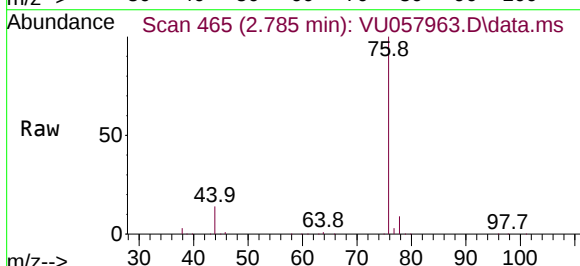
Acq: 28 Feb 2024 15:12

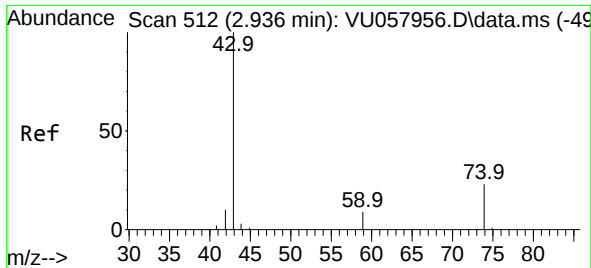
Tgt Ion: 76 Resp: 301925

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

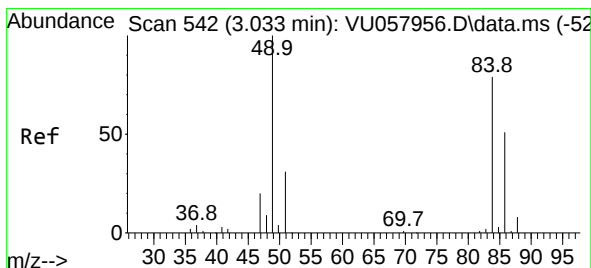
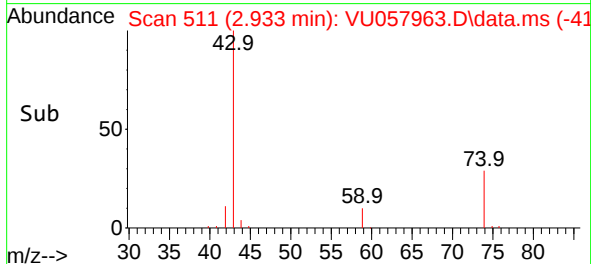
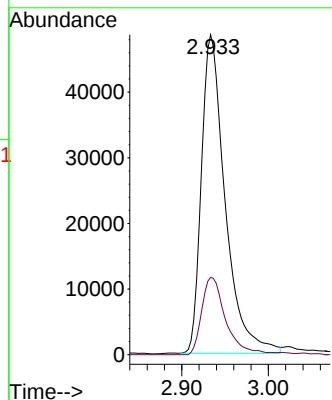
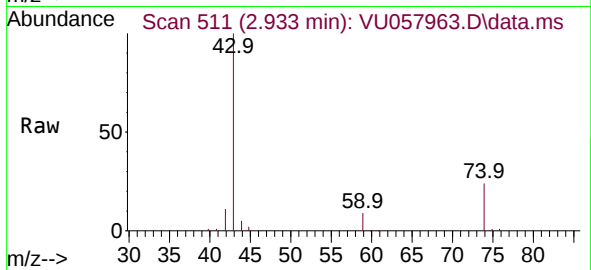




#15
Methyl Acetate
Concen: 39.403 ug/L
RT: 2.933 min Scan# 511
Delta R.T. -0.003 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

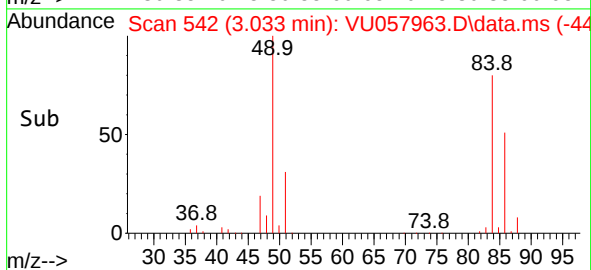
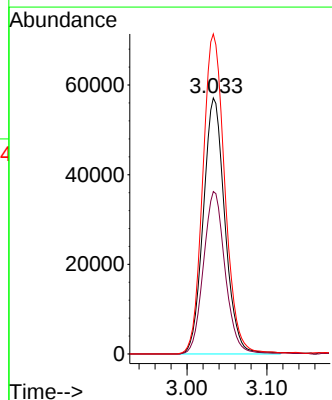
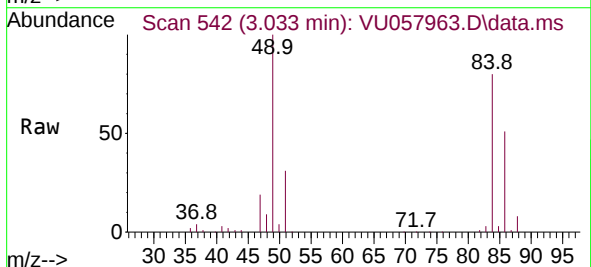
Instrument :
MSVOA_U
ClientSampleId :

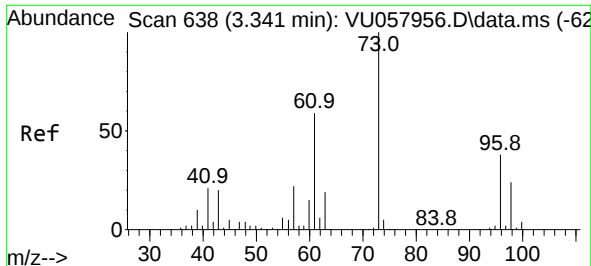
Tgt Ion: 43 Resp: 92527
Ion Ratio Lower Upper
43 100
74 24.2 18.6 27.8



#16
Methylene chloride
Concen: 40.205 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

Tgt Ion: 84 Resp: 107453
Ion Ratio Lower Upper
84 100
86 63.4 45.1 83.7
49 125.0 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 46.452 ug/L

RT: 3.342 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

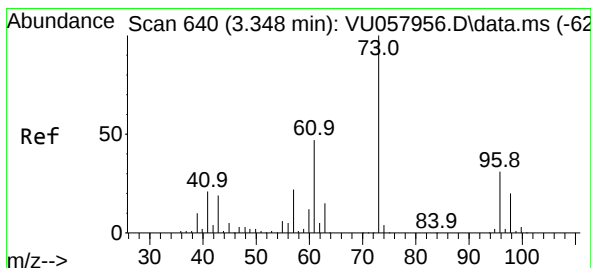
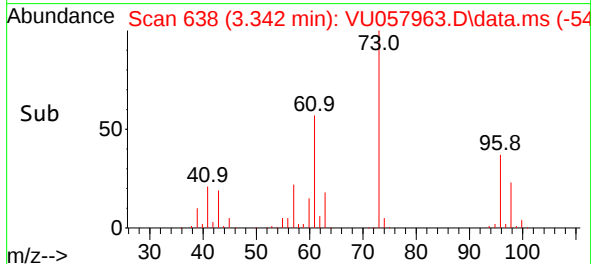
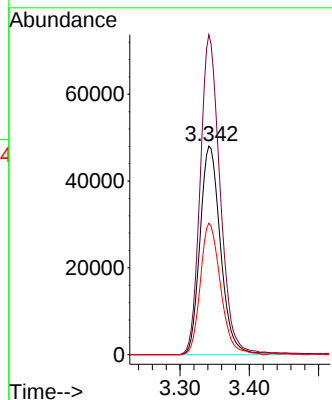
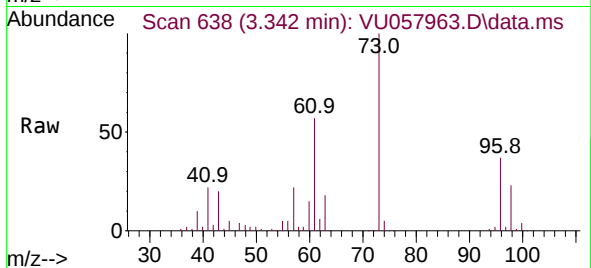
Tgt Ion: 96 Resp: 98819

Ion Ratio Lower Upper

96 100

61 153.4 106.3 197.3

98 63.0 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 43.334 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

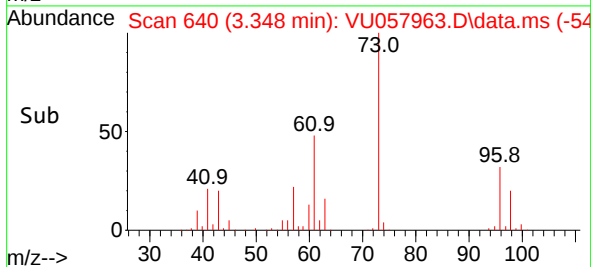
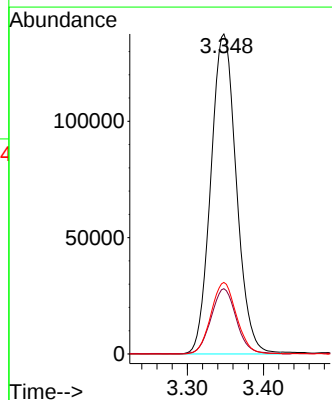
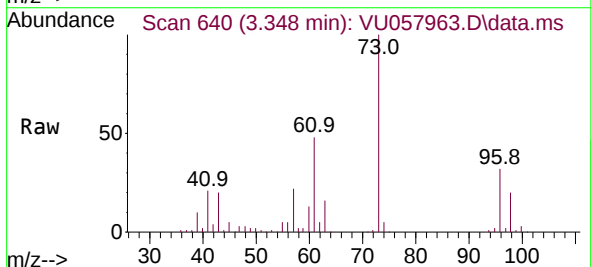
Tgt Ion: 73 Resp: 320951

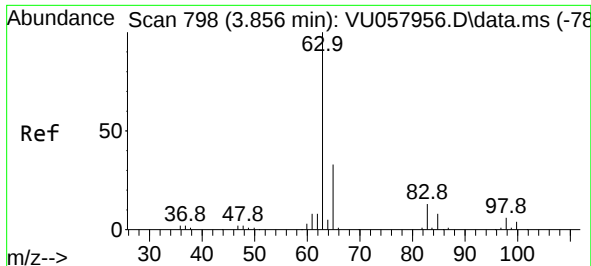
Ion Ratio Lower Upper

73 100

43 20.0 16.0 24.0

57 22.2 17.8 26.6





#19

1,1-Dichloroethane

Concen: 45.053 ug/L

RT: 3.856 min Scan# 798

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

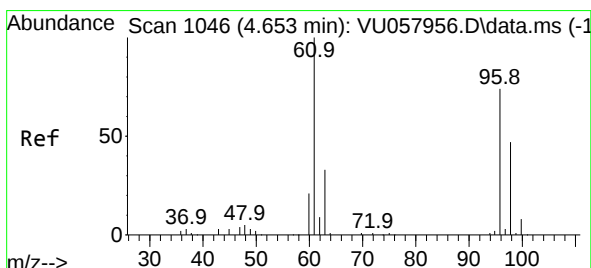
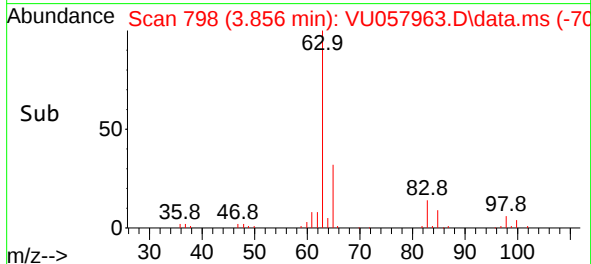
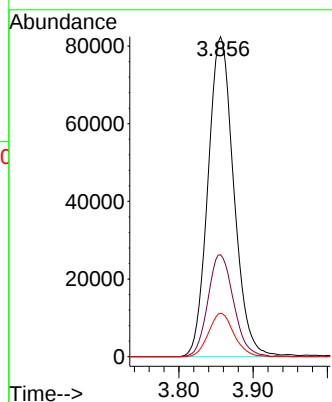
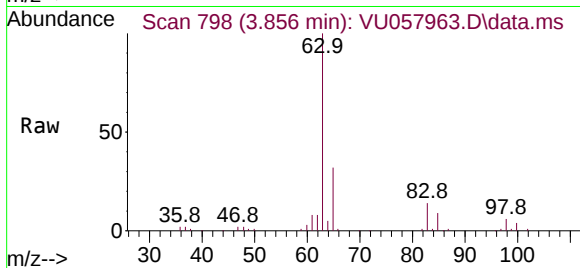
Tgt Ion: 63 Resp: 198709

Ion Ratio Lower Upper

63 100

65 32.5 21.7 40.3

83 13.6 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 45.858 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

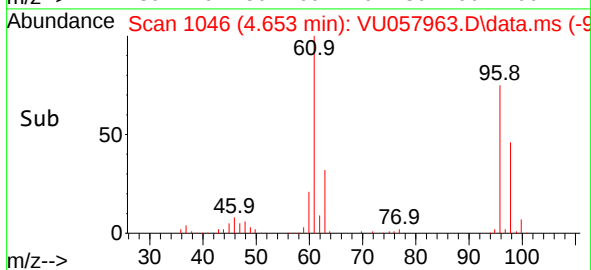
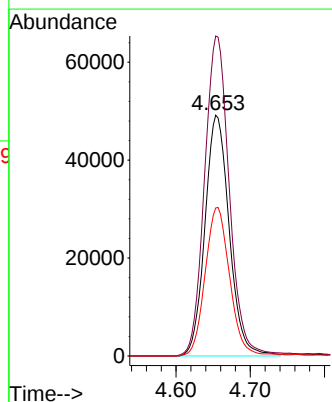
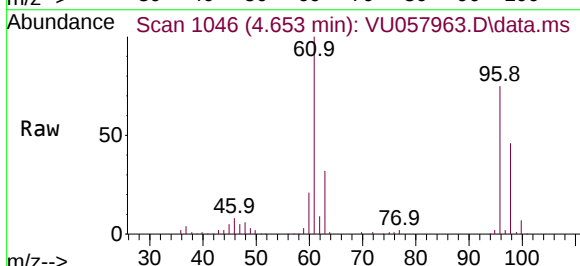
Tgt Ion: 96 Resp: 111913

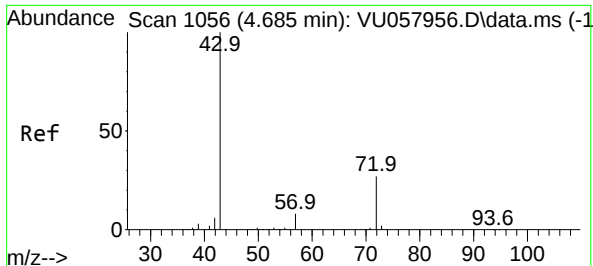
Ion Ratio Lower Upper

96 100

61 132.9 96.7 179.7

98 61.5 44.3 82.3





#22

2-Butanone

Concen: 77.829 ug/L

RT: 4.686 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

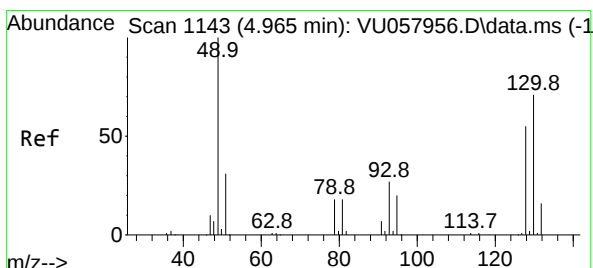
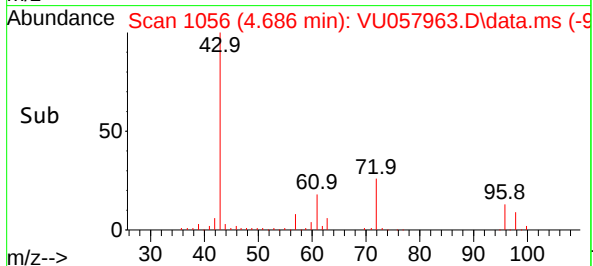
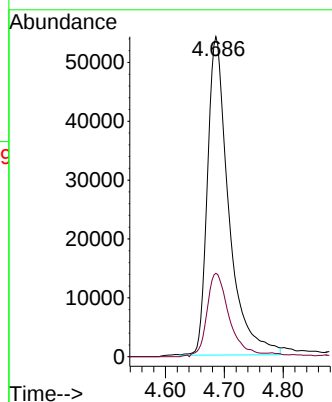
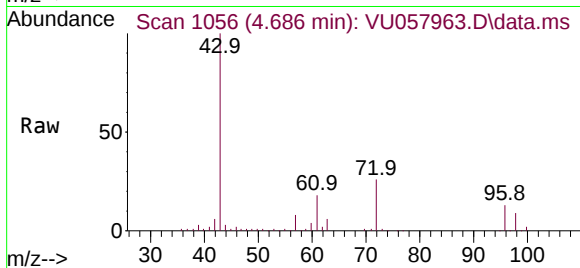
ClientSampleId :

Tgt Ion: 43 Resp: 136007

Ion Ratio Lower Upper

43 100

72 27.4 13.8 41.3



#23

Bromochloromethane

Concen: 44.699 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. -0.003 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Tgt Ion:128 Resp: 53001

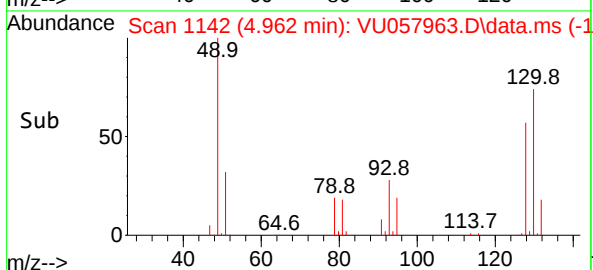
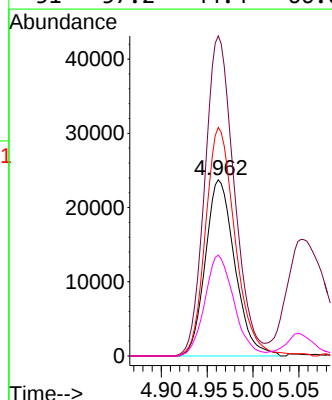
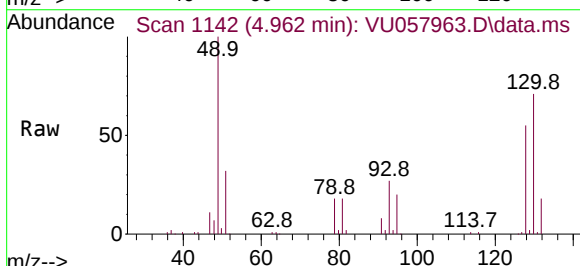
Ion Ratio Lower Upper

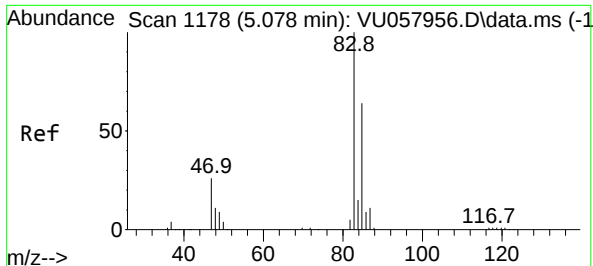
128 100

49 181.7 124.0 230.4

130 129.7 87.8 163.0

51 57.2 44.4 66.6





#25

Chloroform

Concen: 46.384 ug/L

RT: 5.075 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

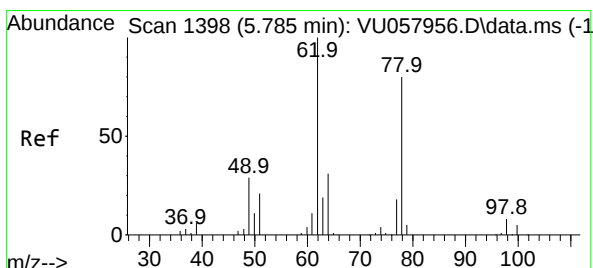
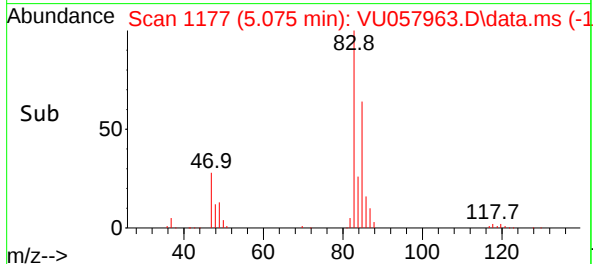
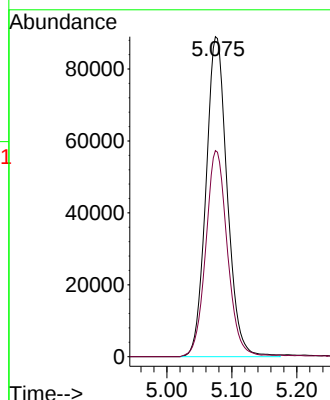
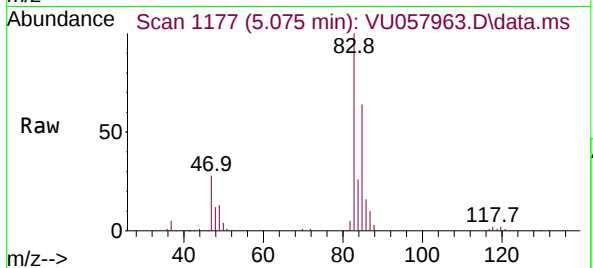
ClientSampleId :

Tgt Ion: 83 Resp: 201994

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6



#27

1,2-Dichloroethane

Concen: 44.056 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU057963.D

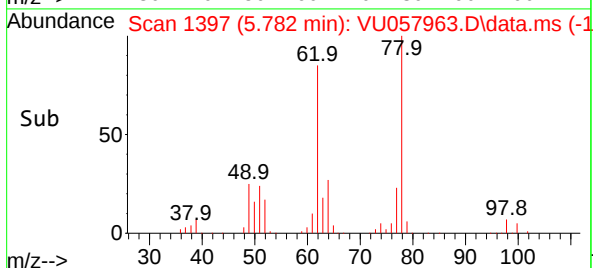
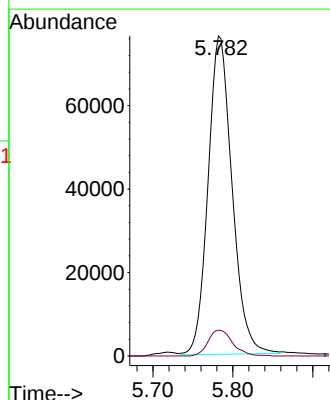
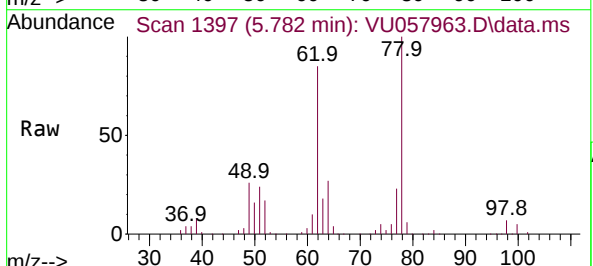
Acq: 28 Feb 2024 15:12

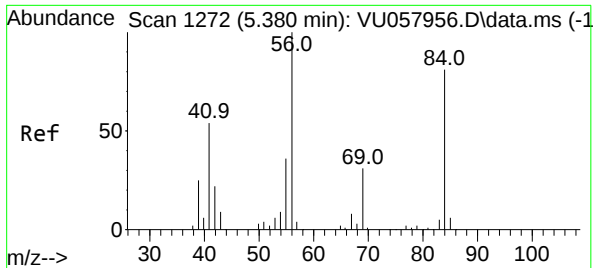
Tgt Ion: 62 Resp: 159635

Ion Ratio Lower Upper

62 100

98 8.0 7.1 10.7

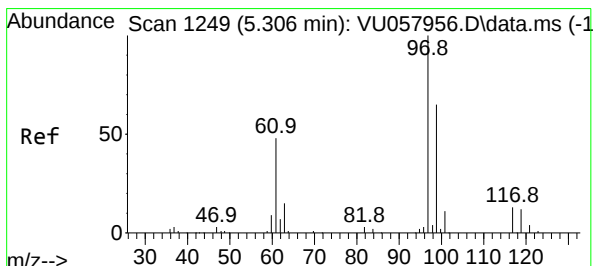
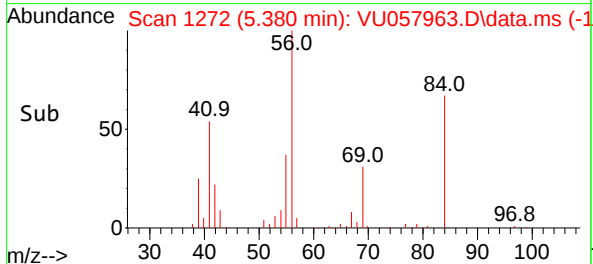
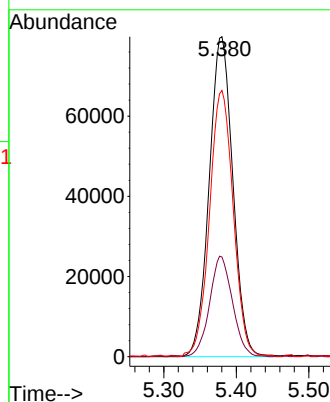
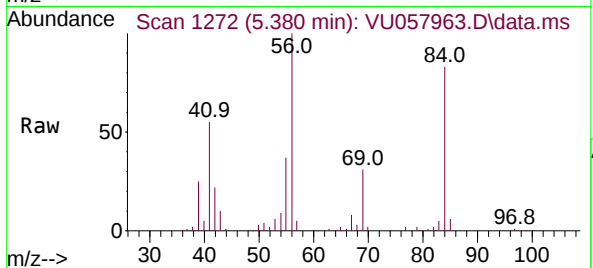




#29
Cyclohexane
Concen: 45.331 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

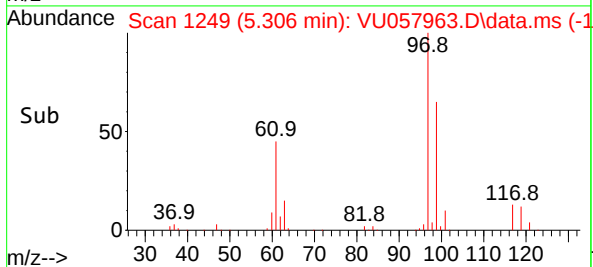
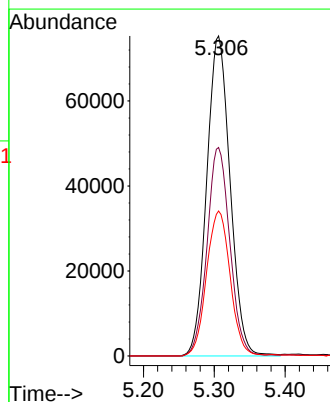
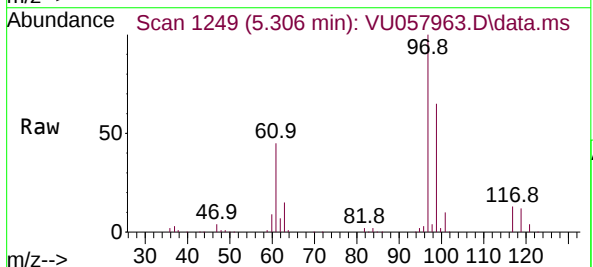
Instrument :
MSVOA_U
ClientSampleId :

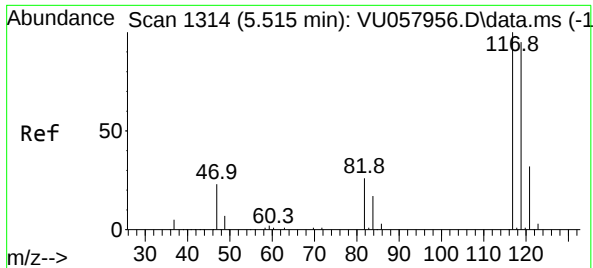
Tgt Ion:	56	Resp:	181066
Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.6	36.8
84	83.3	66.9	100.3



#30
1,1,1-Trichloroethane
Concen: 47.199 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

Tgt Ion:	97	Resp:	172623
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	45.8	36.8	55.2

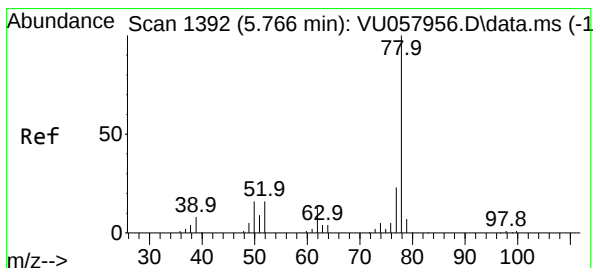
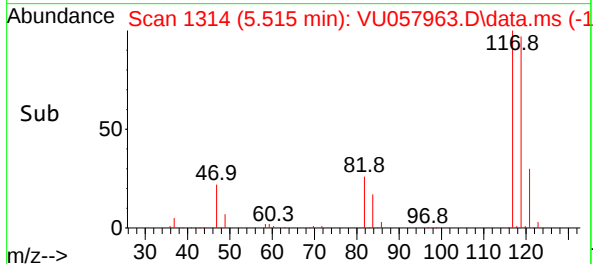
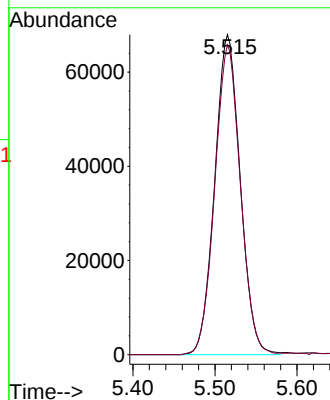
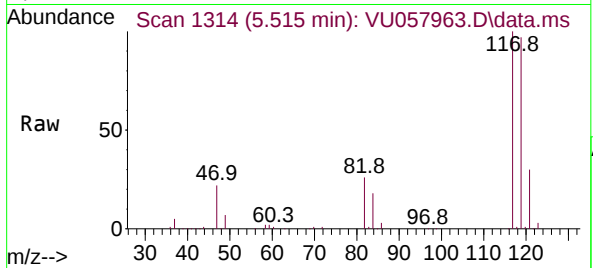




#31
Carbon tetrachloride
Concen: 46.864 ug/L
RT: 5.515 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

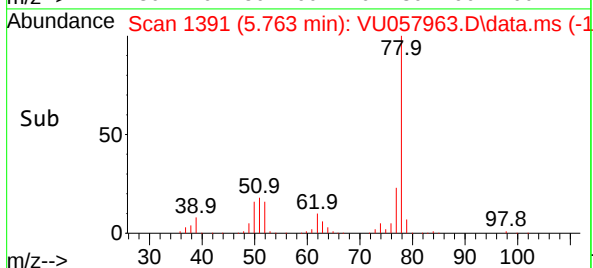
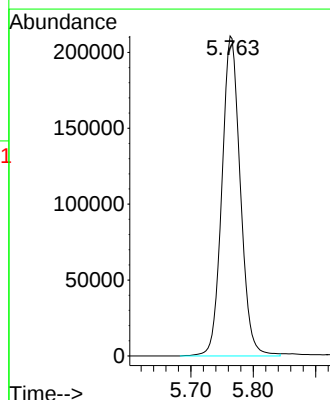
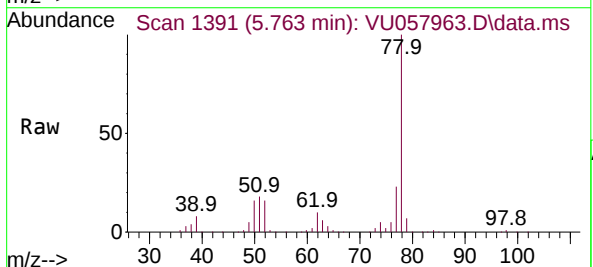
Instrument :
MSVOA_U
ClientSampleId :

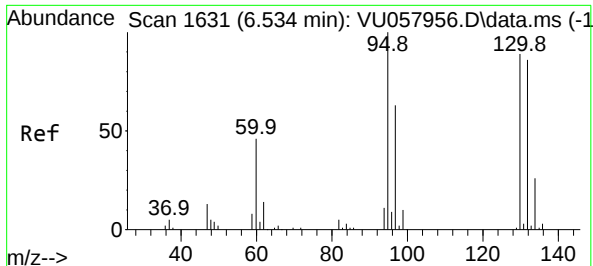
Tgt Ion:117 Resp: 147186
Ion Ratio Lower Upper
117 100
119 97.1 75.9 113.9



#33
Benzene
Concen: 45.722 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

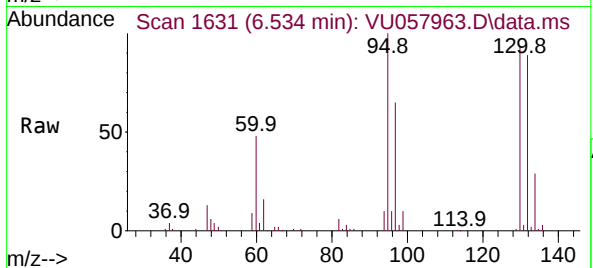
Tgt Ion: 78 Resp: 432808



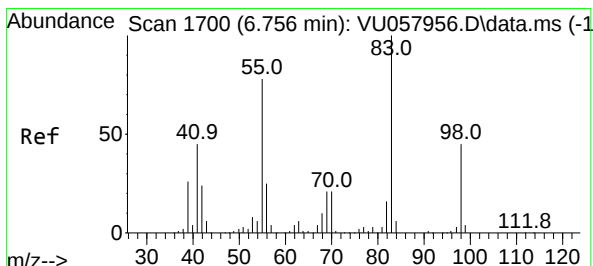
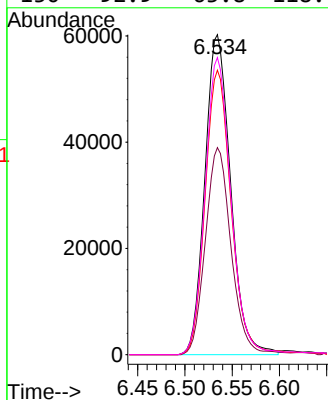
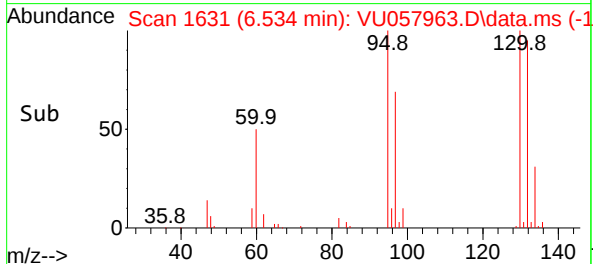


#34
Trichloroethene
Concen: 46.939 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

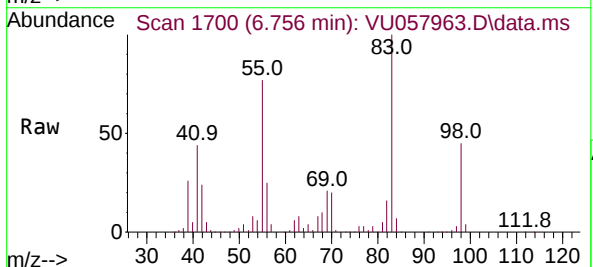
Instrument :
MSVOA_U
ClientSampleId :



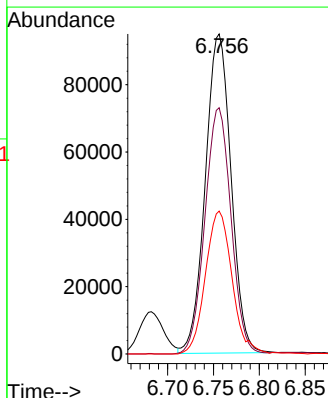
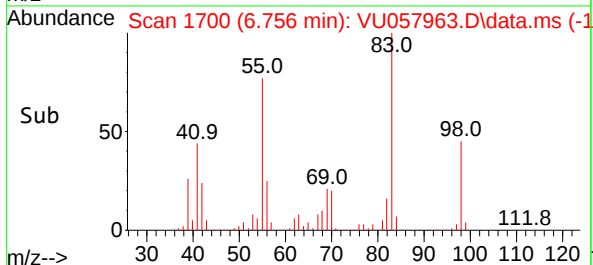
Tgt Ion: 95 Resp: 114216
Ion Ratio Lower Upper
95 100
97 64.7 44.2 82.2
132 88.9 61.4 114.0
130 92.9 63.8 118.4

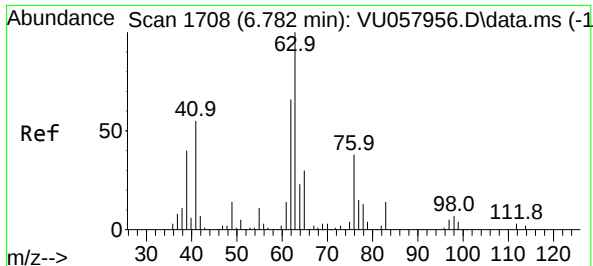


#35
Methylcyclohexane
Concen: 46.889 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12



Tgt Ion: 83 Resp: 185368
Ion Ratio Lower Upper
83 100
55 78.1 62.7 94.1
98 46.0 36.3 54.5

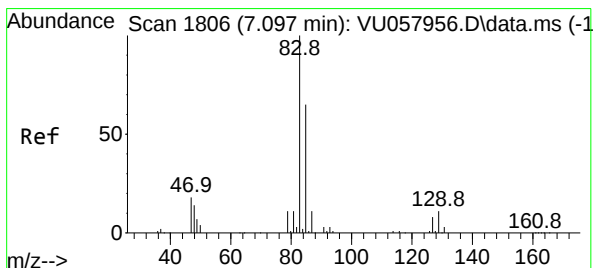
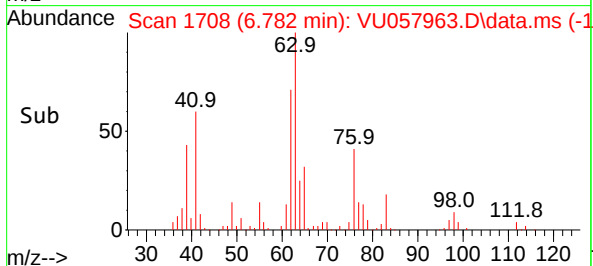
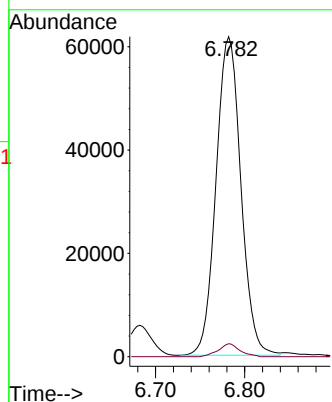
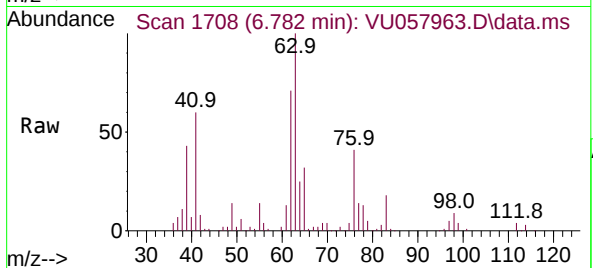




#37
1,2-Dichloropropane
Concen: 44.782 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

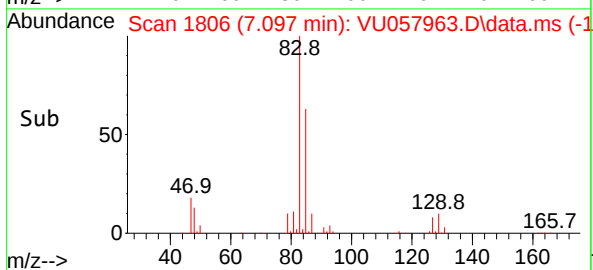
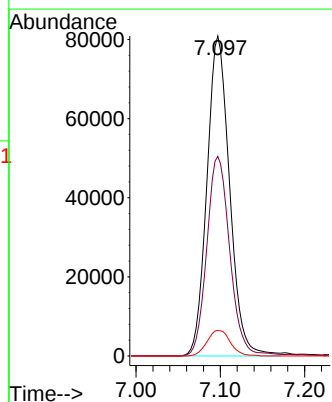
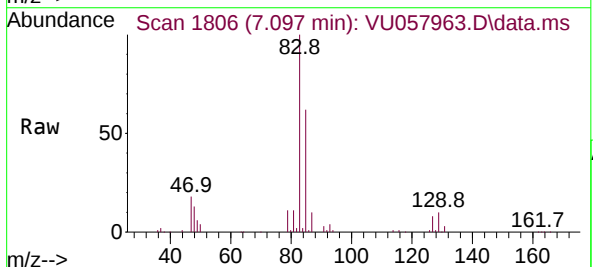
Instrument :
MSVOA_U
ClientSampleId :

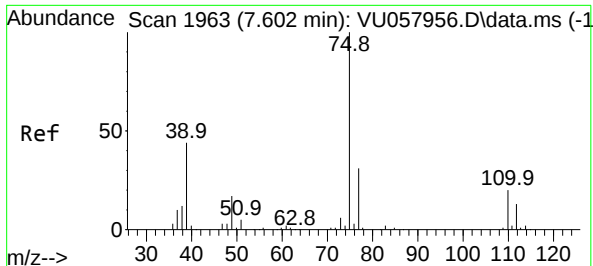
Tgt Ion: 63 Resp: 119615
Ion Ratio Lower Upper
63 100
112 3.5 2.9 4.3



#38
Bromodichloromethane
Concen: 47.228 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

Tgt Ion: 83 Resp: 151481
Ion Ratio Lower Upper
83 100
85 62.3 45.4 84.4
127 8.0 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 46.457 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

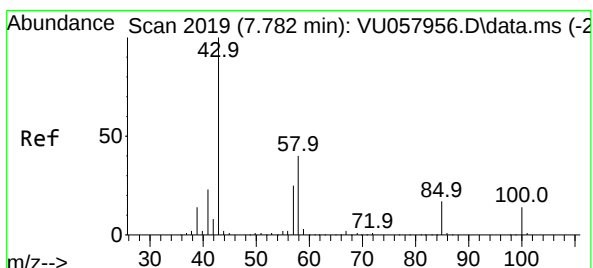
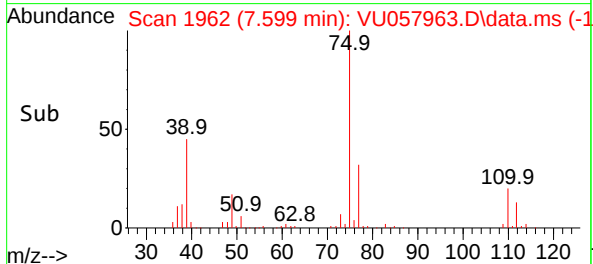
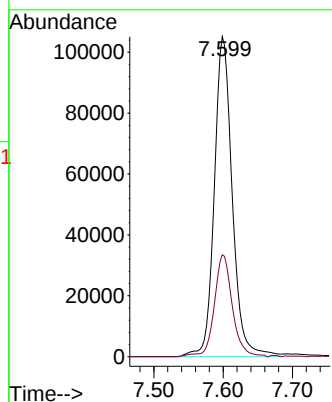
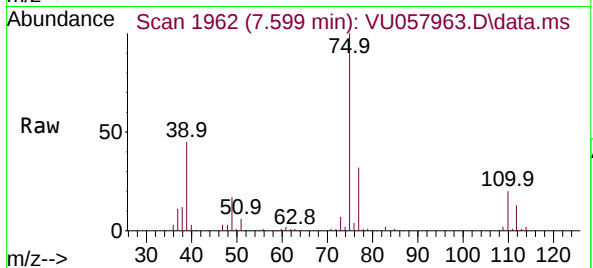
ClientSampleId :

Tgt Ion: 75 Resp: 189632

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 80.050 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

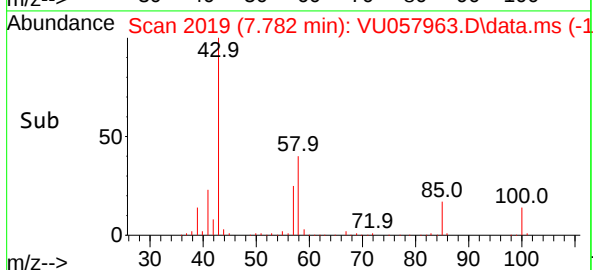
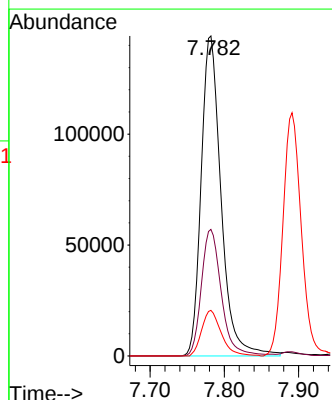
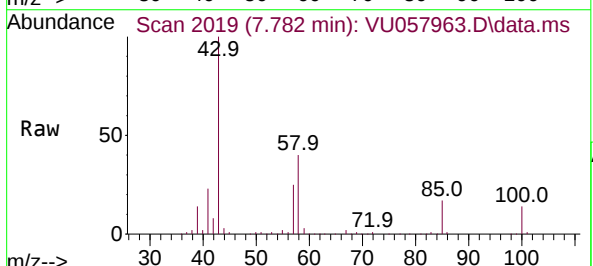
Tgt Ion: 43 Resp: 269147

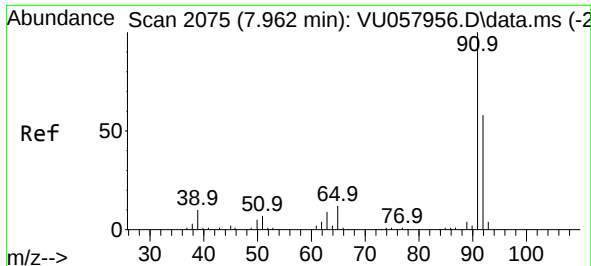
Ion Ratio Lower Upper

43 100

58 39.5 32.3 48.5

100 14.0 11.4 17.0





#42

Toluene

Concen: 46.244 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

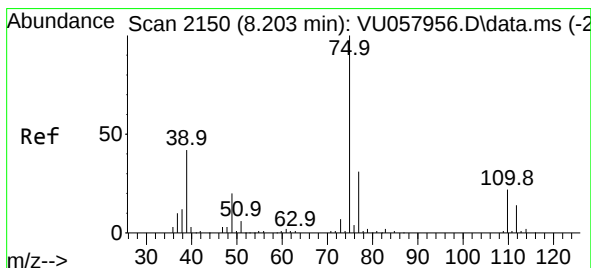
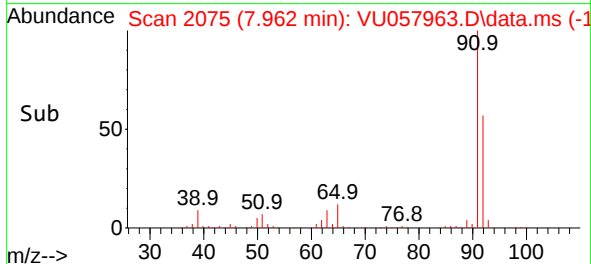
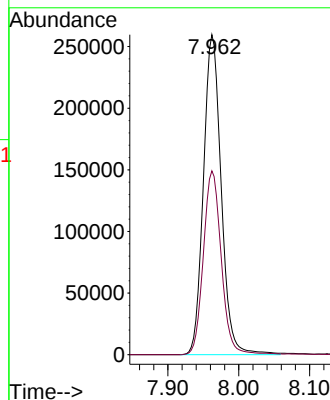
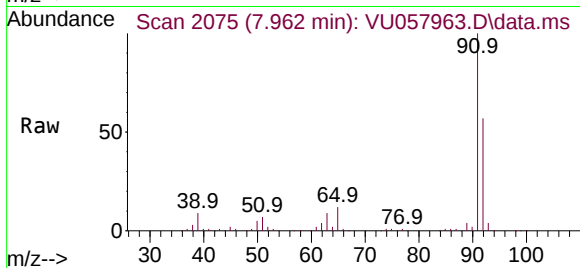
ClientSampleId :

Tgt Ion: 91 Resp: 453043

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 44.769 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057963.D

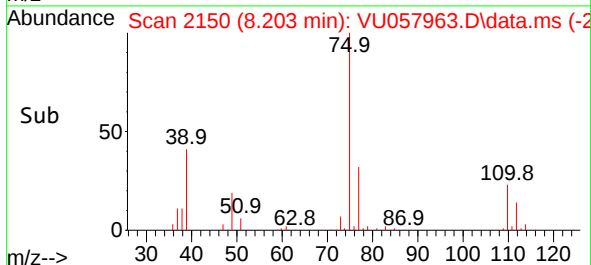
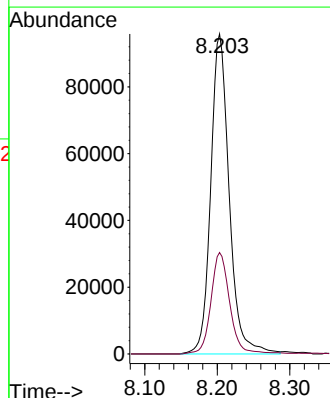
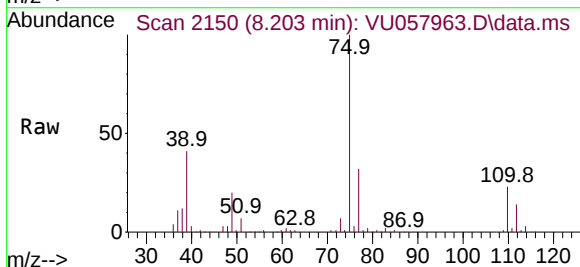
Acq: 28 Feb 2024 15:12

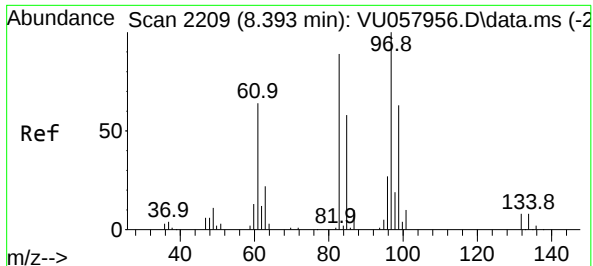
Tgt Ion: 75 Resp: 169584

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 45.351 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 107632

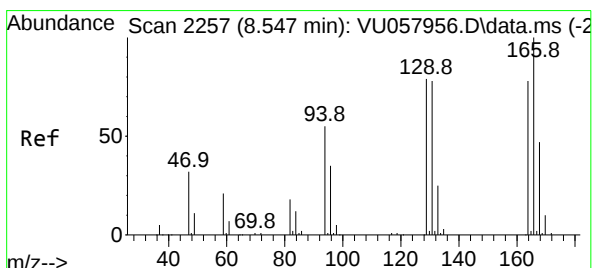
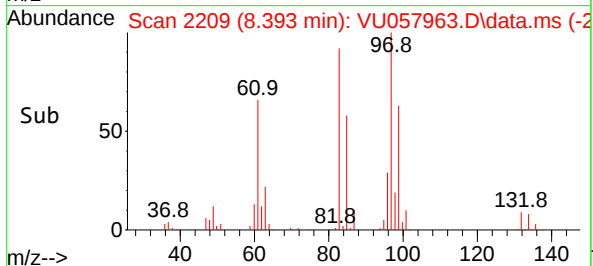
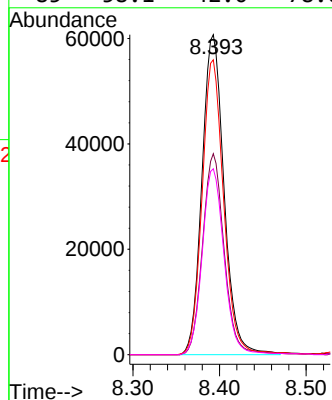
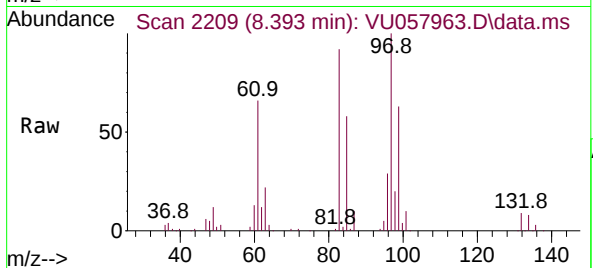
Ion Ratio Lower Upper

97 100

99 62.8 43.0 80.0

83 92.2 65.0 120.6

85 58.1 42.0 78.0



#46

Tetrachloroethene

Concen: 47.744 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Tgt Ion:164 Resp: 79951

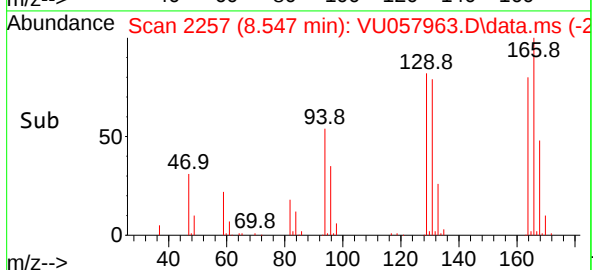
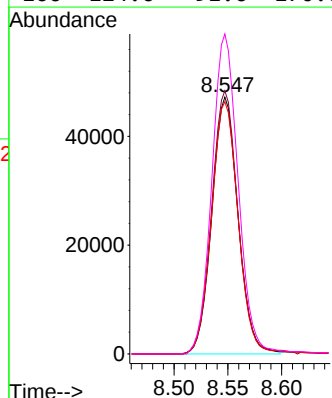
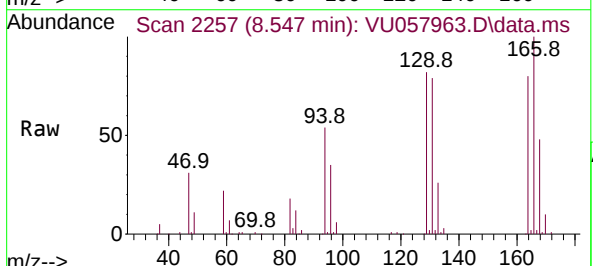
Ion Ratio Lower Upper

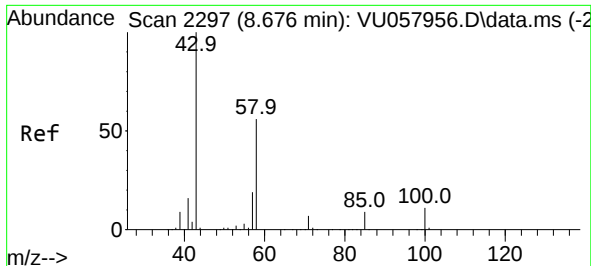
164 100

129 102.5 74.1 137.7

131 98.3 72.0 133.6

166 124.6 91.6 170.0

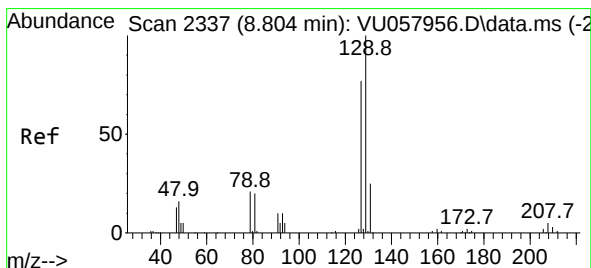
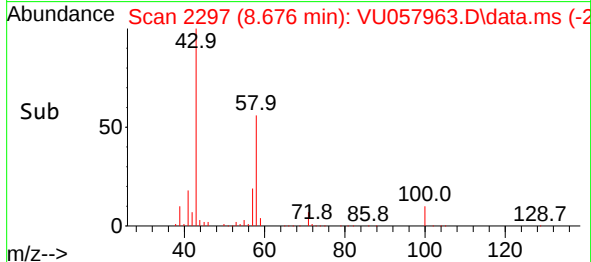
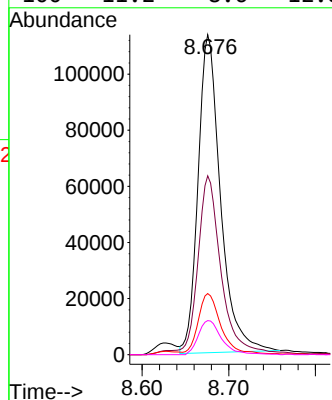
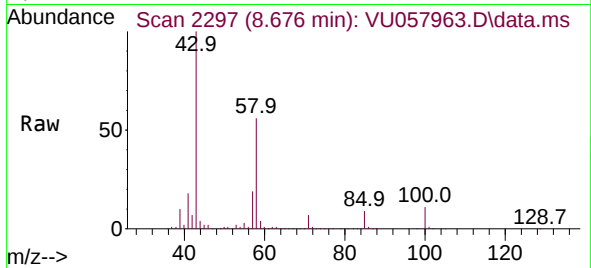




#48
2-Hexanone
Concen: 74.384 ug/L
RT: 8.676 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

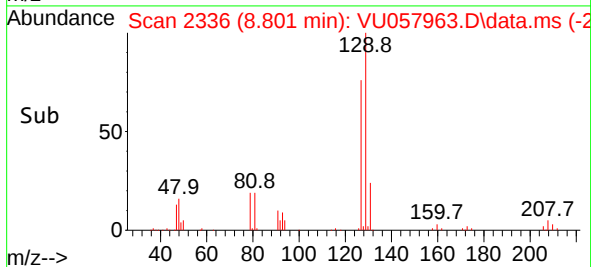
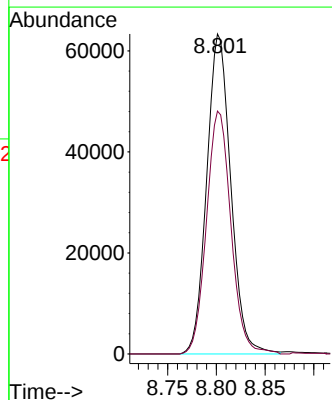
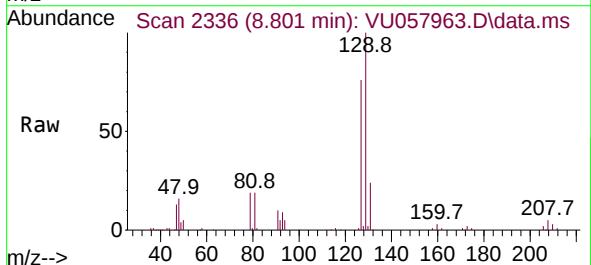
Instrument :
MSVOA_U
ClientSampleId :

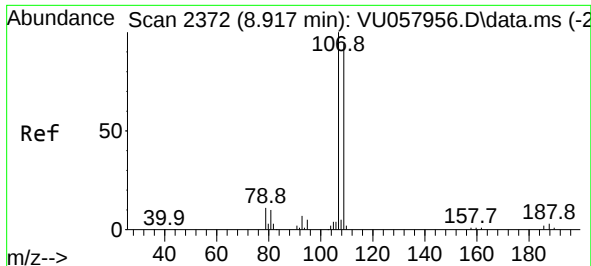
Tgt Ion: 43 Resp: 204133
Ion Ratio Lower Upper
43 100
58 59.3 43.8 65.8
57 19.5 15.5 23.3
100 11.2 8.6 12.8



#49
Dibromochloromethane
Concen: 46.109 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

Tgt Ion:129 Resp: 108980
Ion Ratio Lower Upper
129 100
127 75.9 53.3 99.1





#50

1,2-Dibromoethane

Concen: 44.084 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

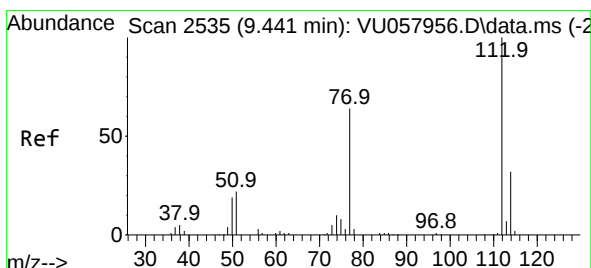
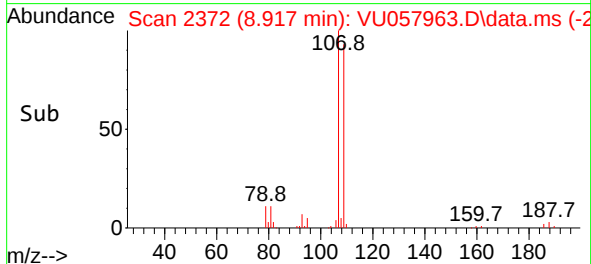
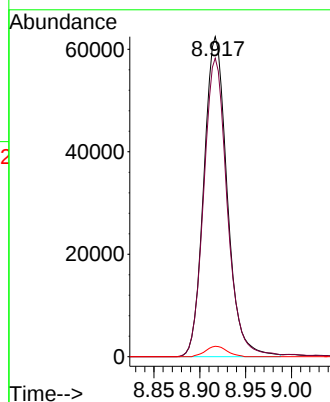
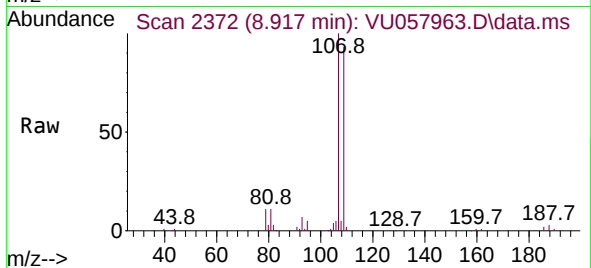
Tgt Ion:107 Resp: 110161

Ion Ratio Lower Upper

107 100

109 93.3 66.1 122.8

188 3.2 2.6 3.8



#51

Chlorobenzene

Concen: 45.485 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

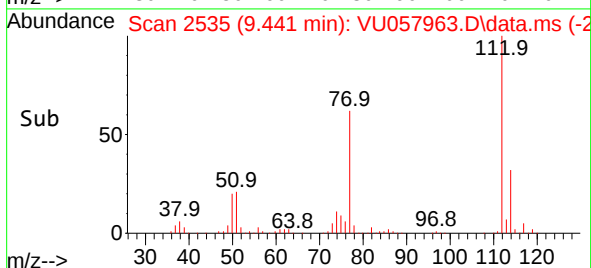
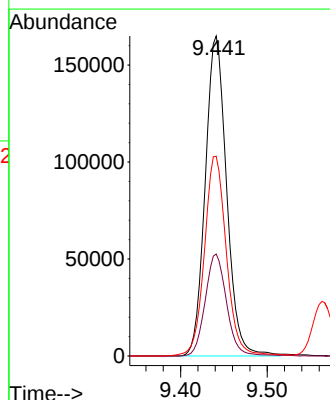
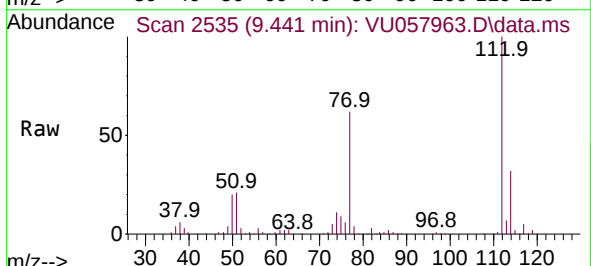
Tgt Ion:112 Resp: 283354

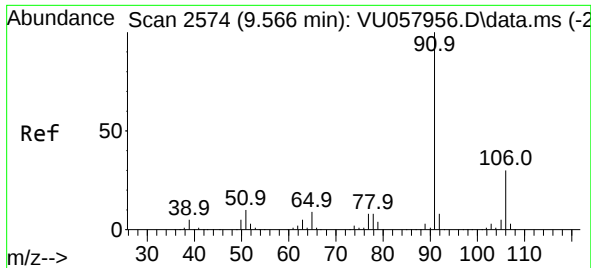
Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.1

77 62.4 51.8 77.8

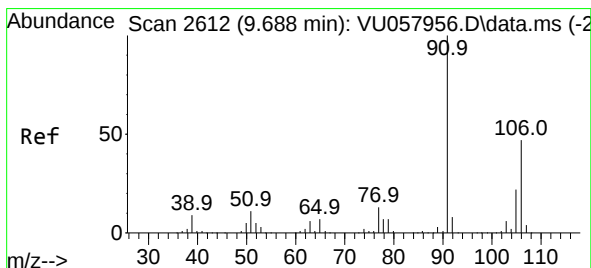
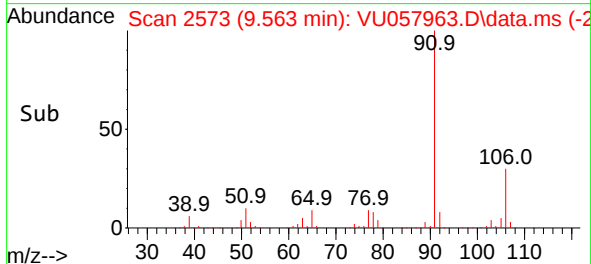
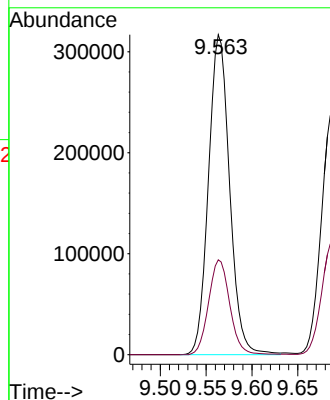
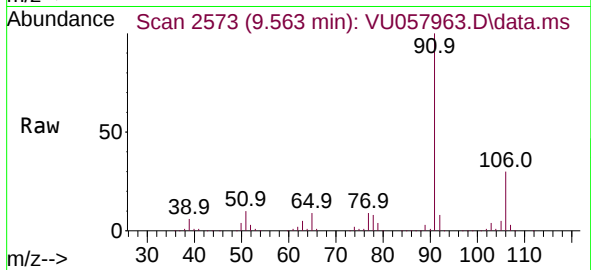




#52
Ethylbenzene
Concen: 46.183 ug/L
RT: 9.563 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

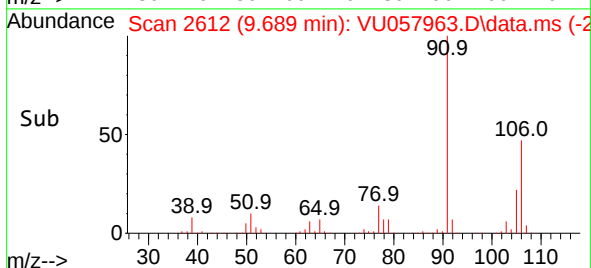
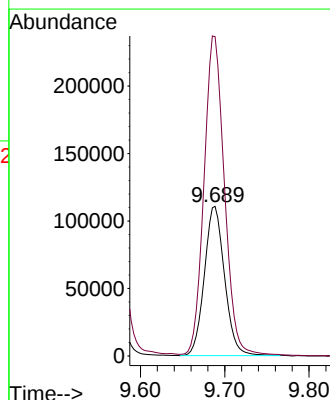
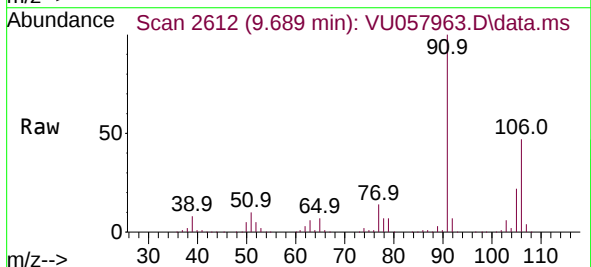
Instrument :
MSVOA_U
ClientSampleId :

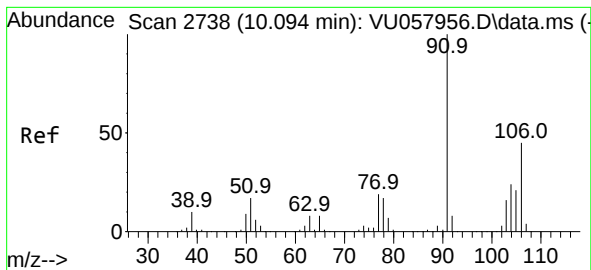
Tgt Ion: 91 Resp: 507316
Ion Ratio Lower Upper
91 100
106 29.7 21.1 39.1



#53
m,p-Xylene
Concen: 46.260 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

Tgt Ion:106 Resp: 184806
Ion Ratio Lower Upper
106 100
91 213.6 150.2 279.0





#54

o-Xylene

Concen: 45.265 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

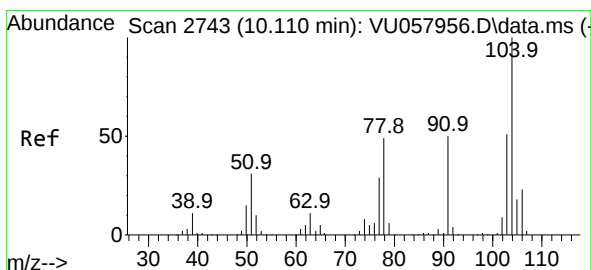
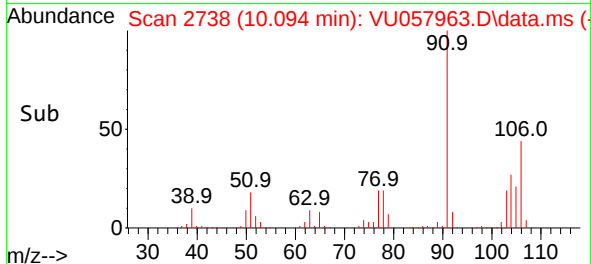
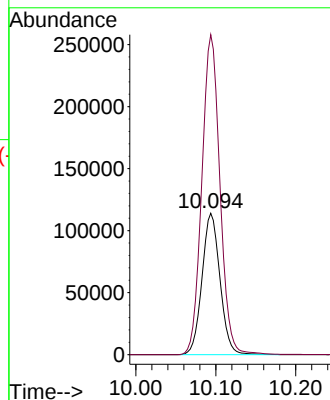
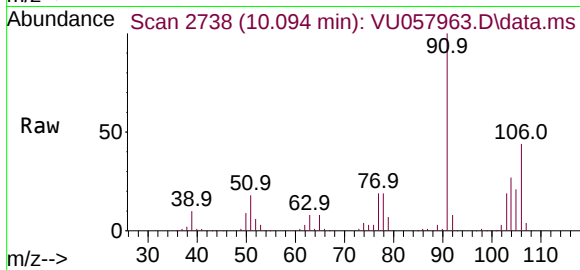
ClientSampleId :

Tgt Ion:106 Resp: 178666

Ion Ratio Lower Upper

106 100

91 226.1 161.3 299.5



#55

Styrene

Concen: 45.373 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. -0.003 min

Lab File: VU057963.D

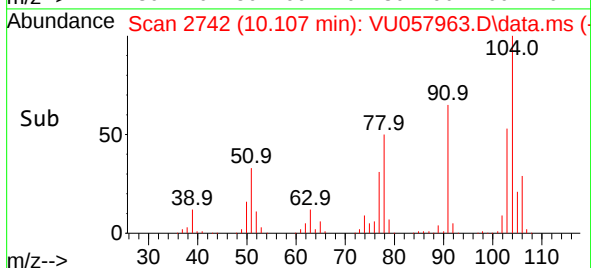
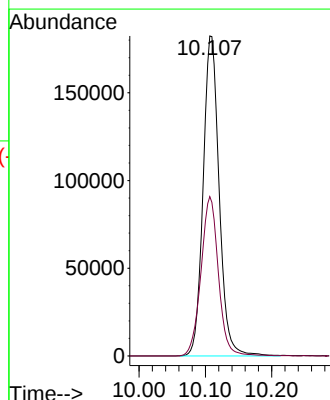
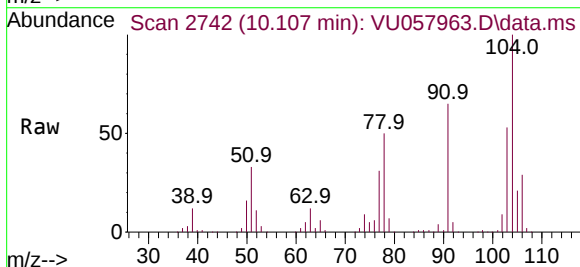
Acq: 28 Feb 2024 15:12

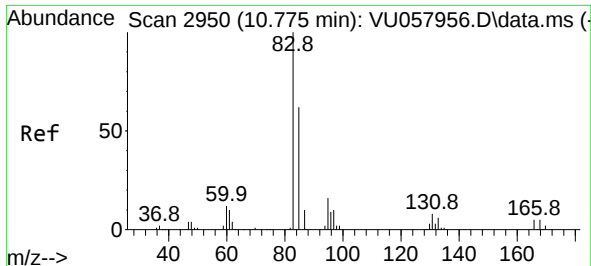
Tgt Ion:104 Resp: 307112

Ion Ratio Lower Upper

104 100

78 49.8 35.6 66.2

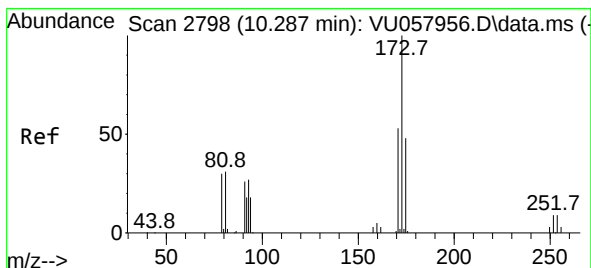
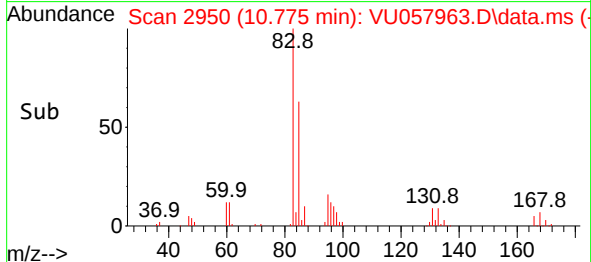
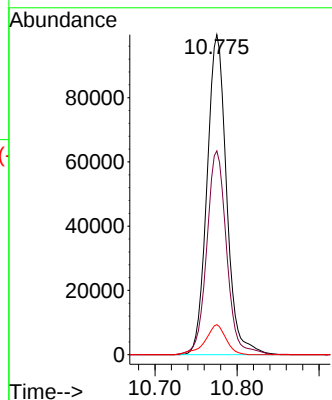
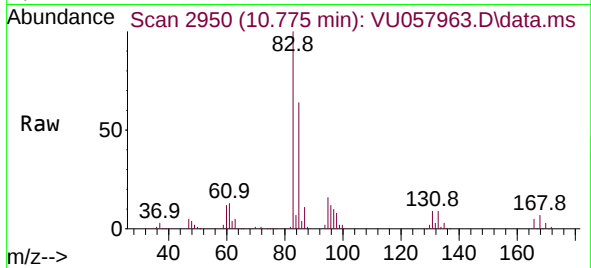




#57
1,1,2,2-Tetrachloroethane
Concen: 40.793 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

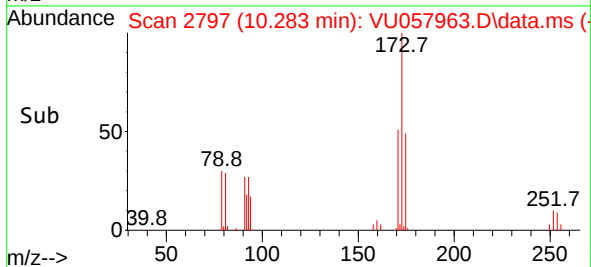
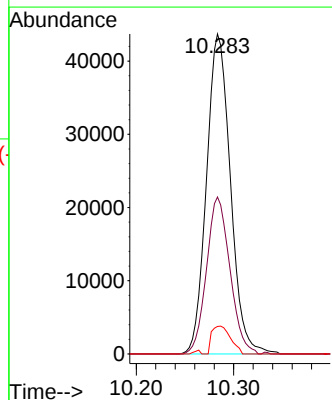
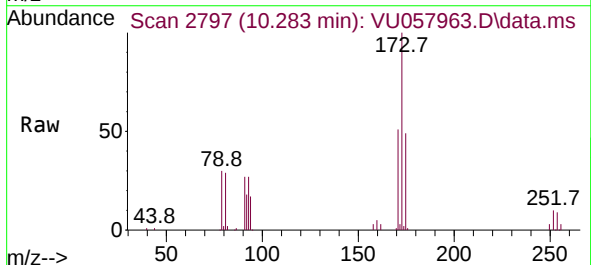
Instrument :
MSVOA_U
ClientSampleId :

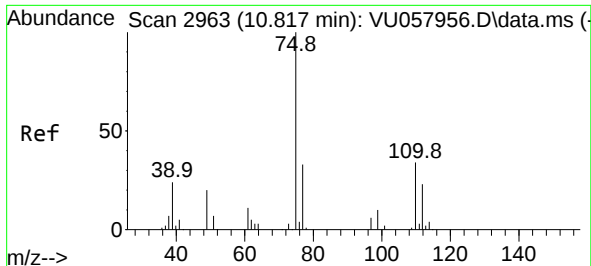
Tgt Ion: 83 Resp: 164923
Ion Ratio Lower Upper
83 100
85 63.7 45.2 84.0
131 9.4 7.8 11.6



#59
Bromoform
Concen: 44.649 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.003 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

Tgt Ion:173 Resp: 74667
Ion Ratio Lower Upper
173 100
175 47.9 38.8 58.2
254 6.8 1.0 1.6#

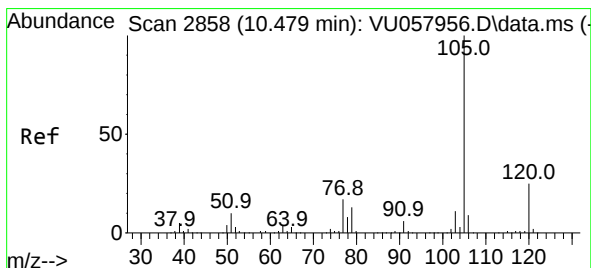
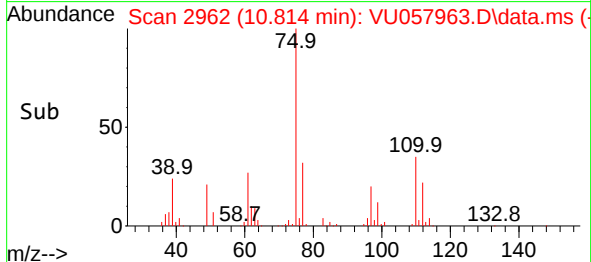
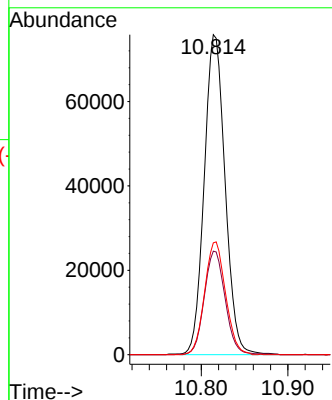
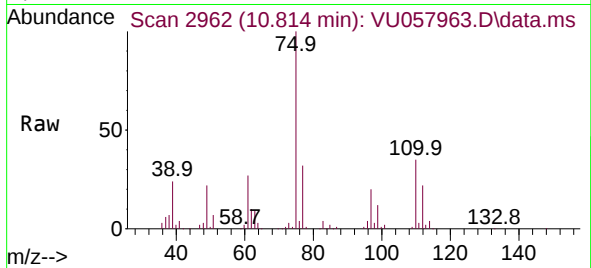




#60
1,2,3-Trichloropropane
Concen: 40.224 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.003 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

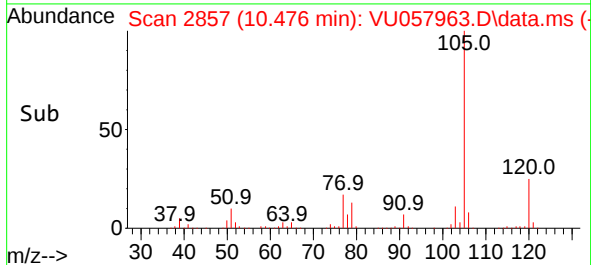
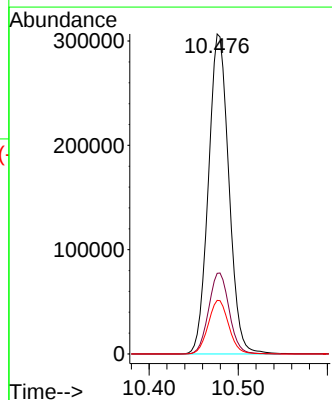
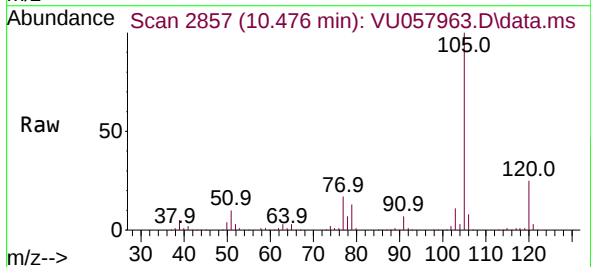
Instrument :
MSVOA_U
ClientSampleId :

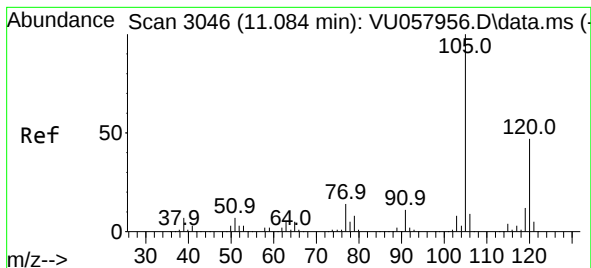
Tgt Ion: 75 Resp: 126955
Ion Ratio Lower Upper
75 100
77 32.4 25.9 38.9
110 35.4 28.3 42.5



#61
Isopropylbenzene
Concen: 45.842 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

Tgt Ion: 105 Resp: 488051
Ion Ratio Lower Upper
105 100
120 25.5 20.5 30.7
77 16.8 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 43.587 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

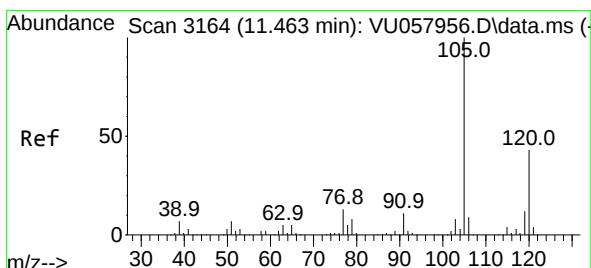
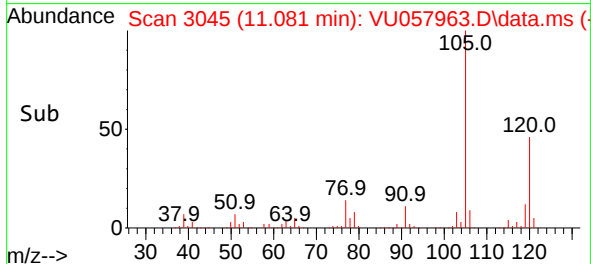
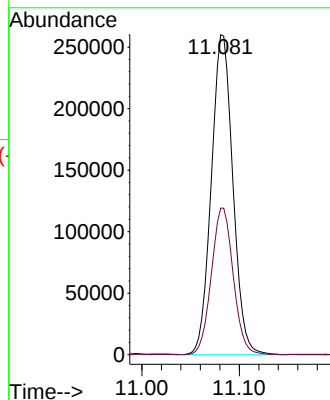
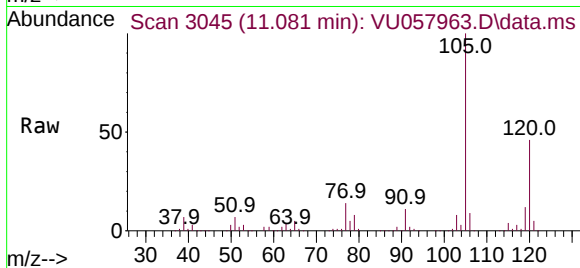
ClientSampleId :

Tgt Ion:105 Resp: 399797

Ion Ratio Lower Upper

105 100

120 46.5 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 43.153 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU057963.D

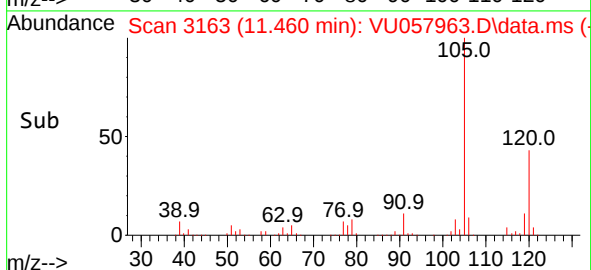
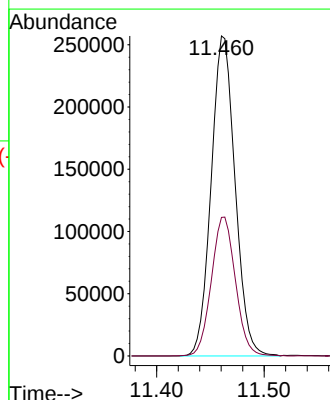
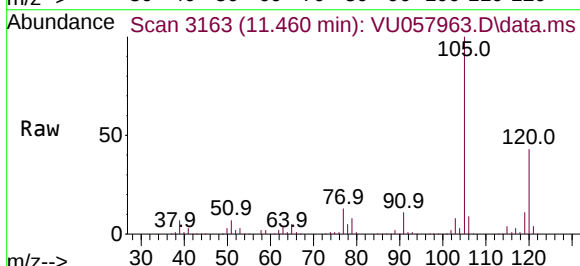
Acq: 28 Feb 2024 15:12

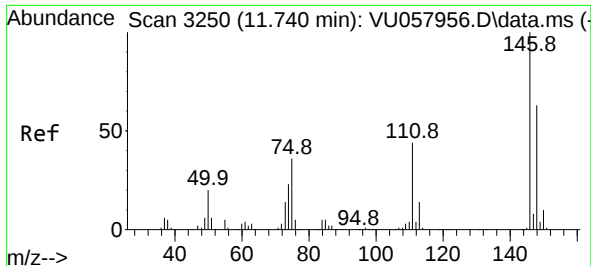
Tgt Ion:105 Resp: 397730

Ion Ratio Lower Upper

105 100

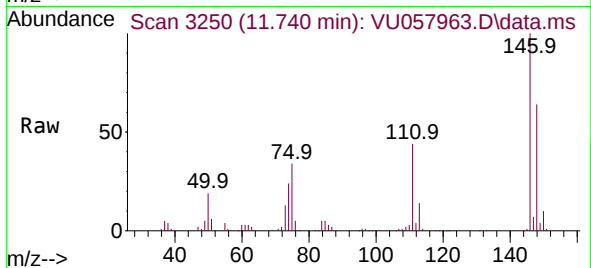
120 43.6 34.8 52.2



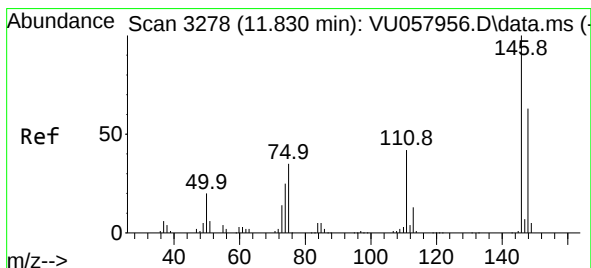
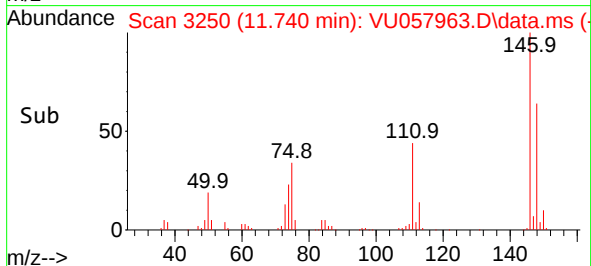
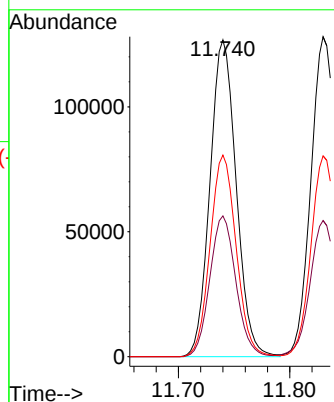


#64
1,3-Dichlorobenzene
Concen: 44.075 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

Instrument :
MSVOA_U
ClientSampleId :

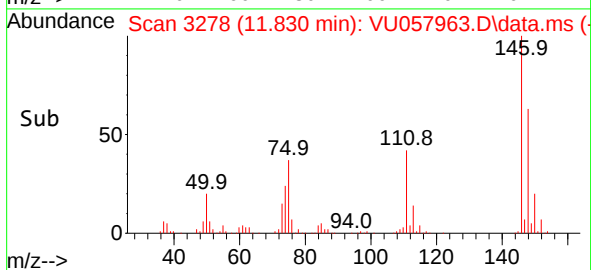
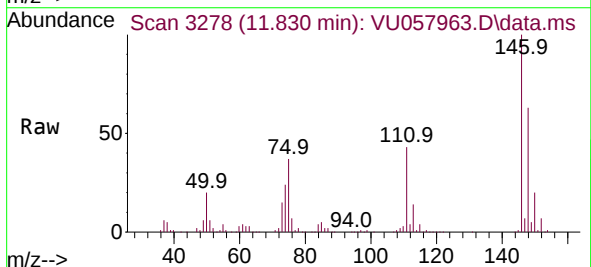
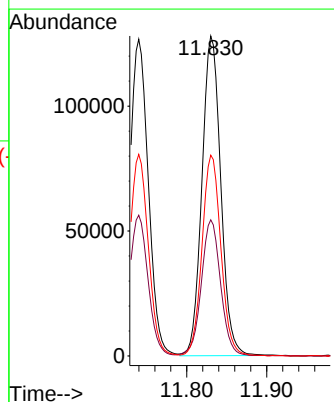


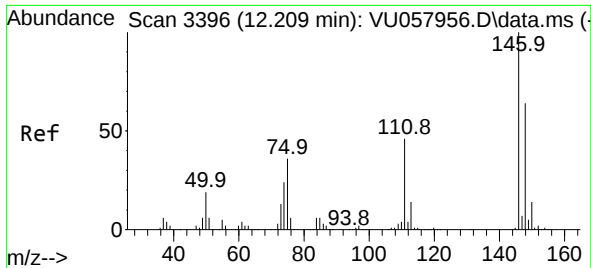
Tgt Ion:146 Resp: 207475
Ion Ratio Lower Upper
146 100
111 44.5 31.6 58.6
148 63.6 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 43.825 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

Tgt Ion:146 Resp: 210156
Ion Ratio Lower Upper
146 100
111 42.6 29.9 55.5
148 62.7 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 42.846 ug/L

RT: 12.206 min Scan# 3396

Delta R.T. -0.003 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

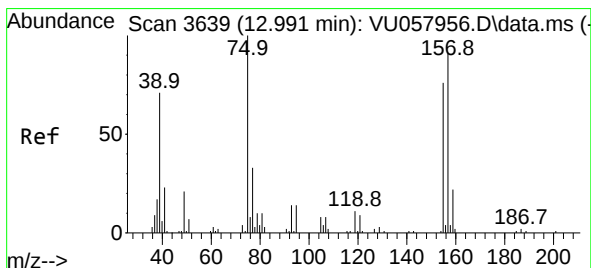
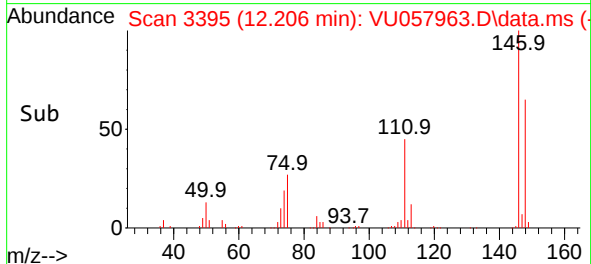
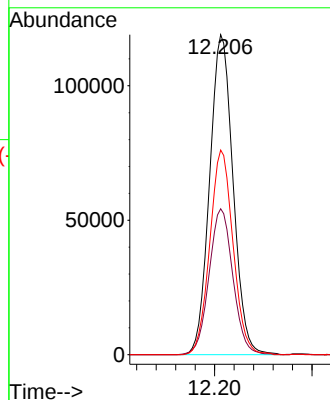
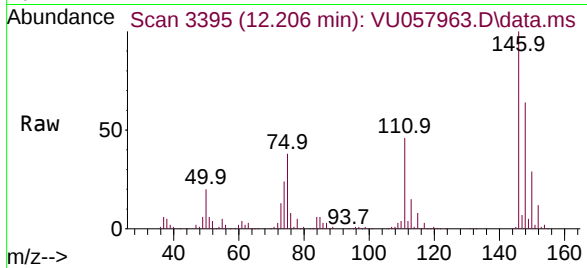
Tgt Ion:146 Resp: 198426

Ion Ratio Lower Upper

146 100

111 45.6 37.3 55.9

148 64.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 38.979 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

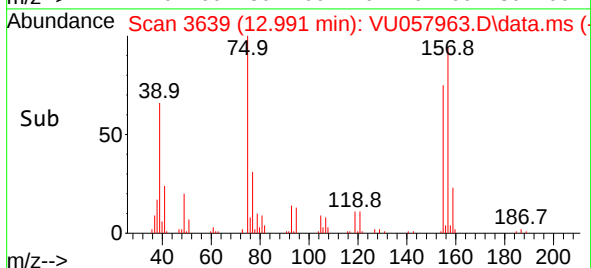
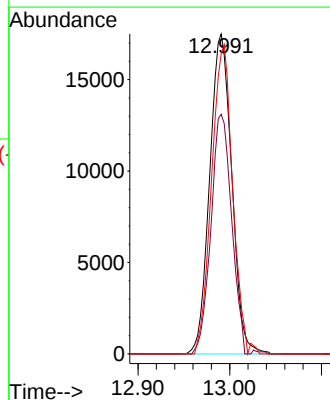
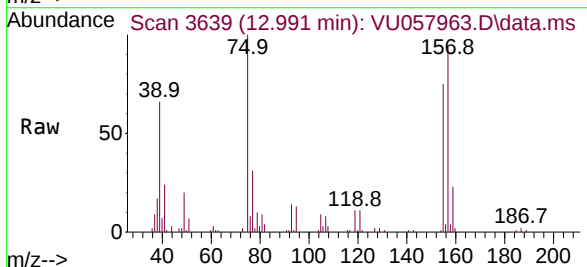
Tgt Ion: 75 Resp: 29210

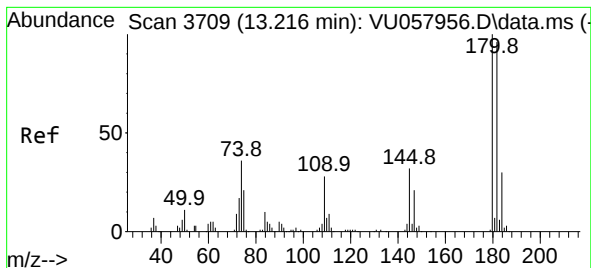
Ion Ratio Lower Upper

75 100

155 78.6 63.2 94.8

157 97.7 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 43.580 ug/L

RT: 13.213 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 137977

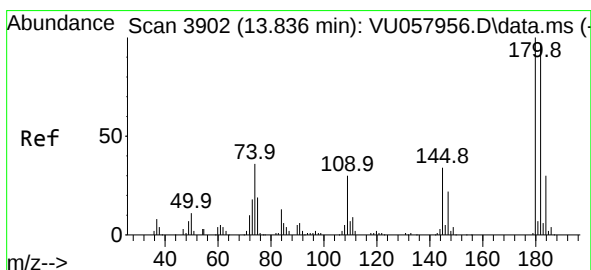
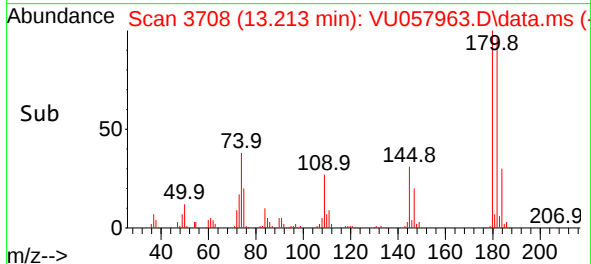
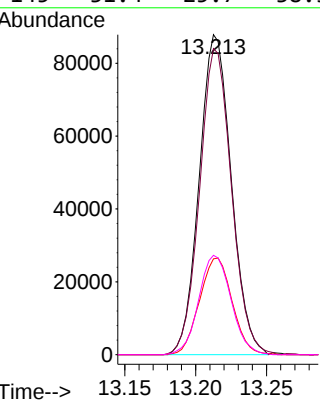
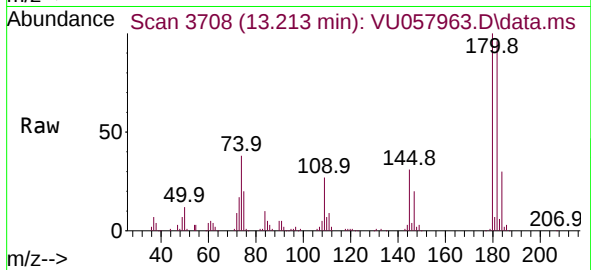
Ion Ratio Lower Upper

180 100

182 95.2 77.6 116.4

184 30.9 24.1 36.1

145 31.4 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 45.397 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU057963.D

Acq: 28 Feb 2024 15:12

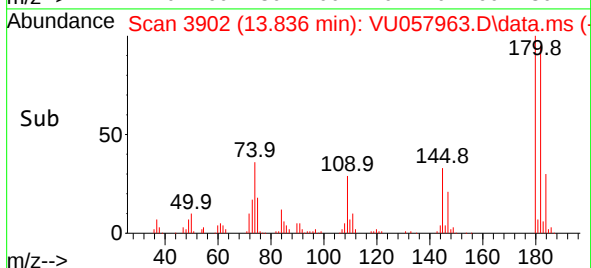
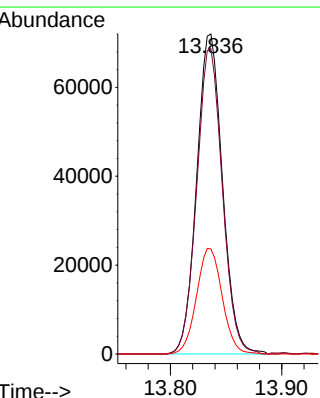
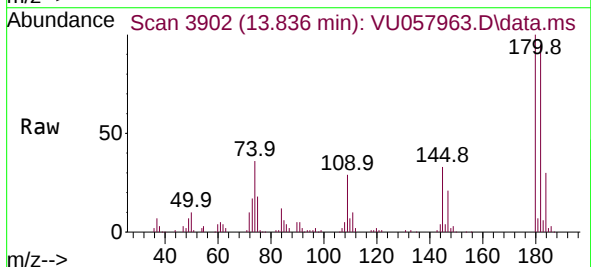
Tgt Ion:180 Resp: 115724

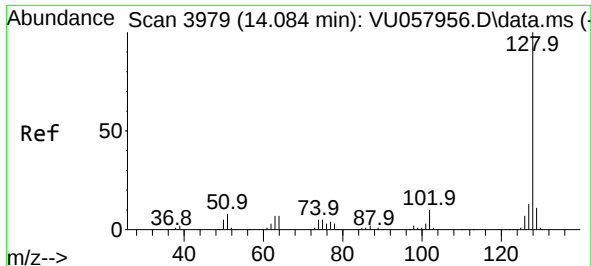
Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.6

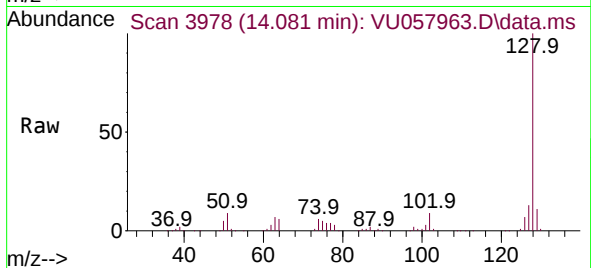
145 32.8 25.9 38.9



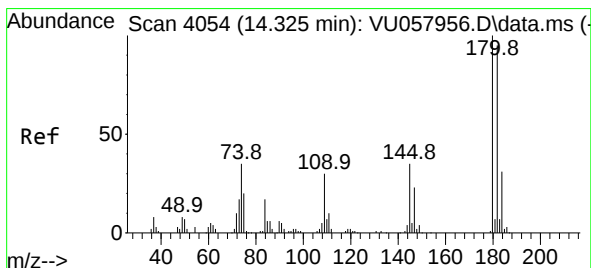
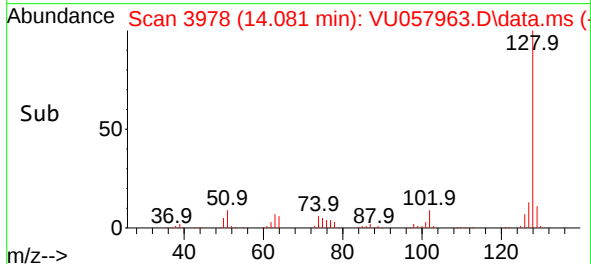
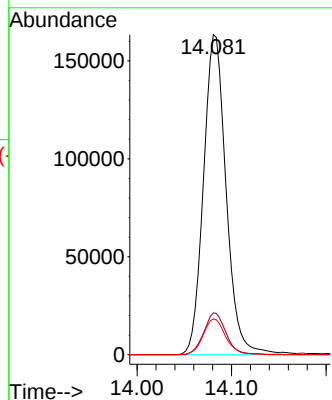


#71
Naphthalene
Concen: 40.093 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 271402
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.1 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 44.095 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU057963.D
Acq: 28 Feb 2024 15:12

Tgt Ion:180 Resp: 103243
Ion Ratio Lower Upper
180 100
182 95.7 75.4 113.2
145 34.6 27.8 41.8

