

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057887.D
 Acq On : 19 Feb 2024 18:10
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 20 01:32:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:26:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	281505	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	265496	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	132825	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	100729	49.425	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.840%
7) Chloroethane-d5	1.888	69	76017	50.464	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.920%
11) 1,1-Dichloroethene-d2	2.557	63	181016	47.659	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.320%
21) 2-Butanone-d5	4.611	46	81046	104.663	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.660%
24) Chloroform-d	5.052	84	171949	49.756	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.520%
26) 1,2-Dichloroethane-d4	5.689	65	108243	49.966	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.940%
32) Benzene-d6	5.714	84	338438	50.866	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.740%
36) 1,2-Dichloropropane-d6	6.679	67	111223	51.770	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.540%
41) Toluene-d8	7.891	98	307785	51.103	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.200%
43) trans-1,3-Dichloroprop...	8.171	79	53530	52.322	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.640%
47) 2-Hexanone-d5	8.624	63	87695	106.178	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.180%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	151745	51.186	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.380%
66) 1,2-Dichlorobenzene-d4	12.187	152	111147	51.679	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	132229	42.847	ug/L	100
3) Chloromethane	1.515	50	139784	44.548	ug/L	98
5) Vinyl chloride	1.599	62	135237	43.645	ug/L	98
6) Bromomethane	1.827	94	71537	59.130	ug/L	100
8) Chloroethane	1.911	64	79864	44.072	ug/L	98
9) Trichlorofluoromethane	2.123	101	165038	43.528	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	95543	43.358	ug/L	98
12) 1,1-Dichloroethene	2.567	96	90222	44.265	ug/L	95
13) Acetone	2.612	43	127526	88.947	ug/L	100
14) Carbon disulfide	2.782	76	296083	44.388	ug/L	99
15) Methyl Acetate	2.933	43	105902	45.371	ug/L	98
16) Methylene chloride	3.033	84	113638	42.776	ug/L	99
17) trans-1,2-Dichloroethene	3.341	96	91200	43.129	ug/L	98
18) Methyl tert-butyl Ether	3.348	73	326112	44.297	ug/L	99
19) 1,1-Dichloroethane	3.853	63	193211	44.071	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	106300	43.821	ug/L	99
22) 2-Butanone	4.685	43	156362	90.017	ug/L	99
23) Bromochloromethane	4.962	128	52205	44.293	ug/L	98
25) Chloroform	5.074	83	191630	44.270	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057887.D
 Acq On : 19 Feb 2024 18:10
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

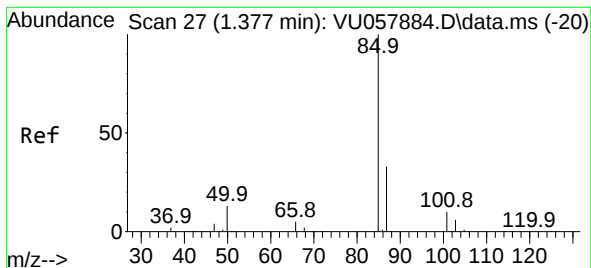
Quant Time: Feb 20 01:32:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:26:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	159099	44.173	ug/L	98
29) Cyclohexane	5.377	56	176571	45.188	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	162612	45.450	ug/L	99
31) Carbon tetrachloride	5.512	117	139982	45.561	ug/L	100
33) Benzene	5.763	78	416285	44.955	ug/L	100
34) Trichloroethene	6.534	95	108364	45.525	ug/L	99
35) Methylcyclohexane	6.753	83	170532	44.095	ug/L	100
37) 1,2-Dichloropropane	6.782	63	118689	45.424	ug/L	99
38) Bromodichloromethane	7.097	83	143412	45.706	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	185877	46.550	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	312075	94.882	ug/L	99
42) Toluene	7.962	91	434364	45.324	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	171363	46.244	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	105368	45.385	ug/L	98
46) Tetrachloroethene	8.547	164	74234	45.316	ug/L	95
48) 2-Hexanone	8.676	43	254087	94.645	ug/L	98
49) Dibromochloromethane	8.801	129	104956	45.394	ug/L	98
50) 1,2-Dibromoethane	8.917	107	112647	46.082	ug/L	97
51) Chlorobenzene	9.441	112	276680	45.401	ug/L	98
52) Ethylbenzene	9.563	91	492787	45.858	ug/L	99
53) m,p-Xylene	9.685	106	181341	46.402	ug/L	100
54) o-Xylene	10.094	106	179482	46.483	ug/L	98
55) Styrene	10.110	104	308571	46.602	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	183271	46.339	ug/L	98
59) Bromoform	10.283	173	76948	47.193	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	143923	46.769	ug/L	100
61) Isopropylbenzene	10.476	105	484350	46.661	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	415137	46.420	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	419645	46.698	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	209305	45.604	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	212511	45.452	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	205931	45.607	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	35553	48.660	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	139982	45.347	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	118162	47.542	ug/L	99
71) Naphthalene	14.081	128	336094	50.923	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	110481	48.396	ug/L	99

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

Quant Time: Feb 20 01:32:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 20 01:26:53 2024
Response via : Initial Calibration

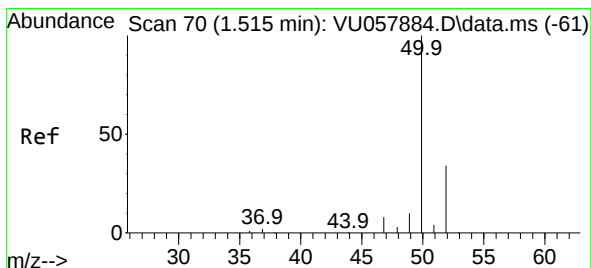
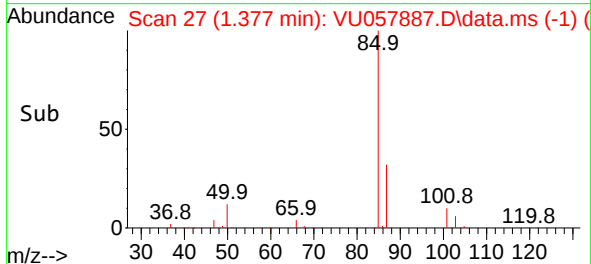
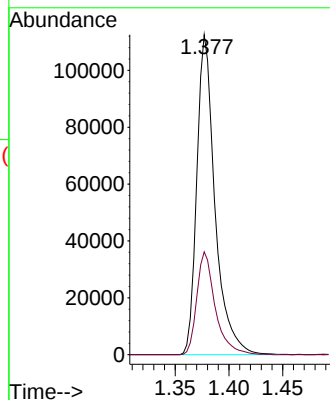
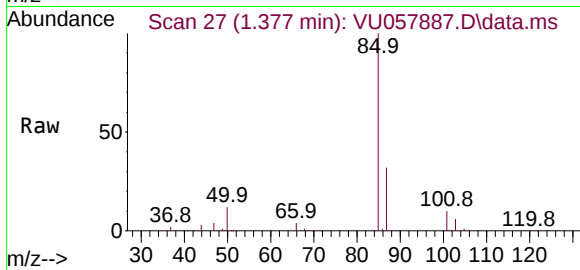




#2
 Dichlorodifluoromethane
 Concen: 42.847 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU057887.D
 Acq: 19 Feb 2024 18:10

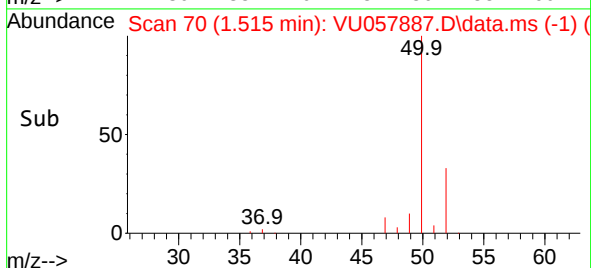
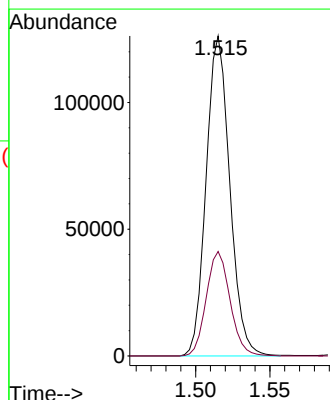
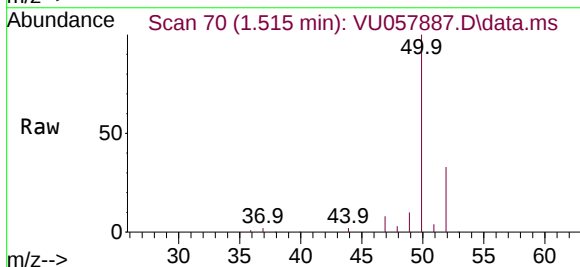
Instrument :
 MSVOA_U
 ClientSampleId :

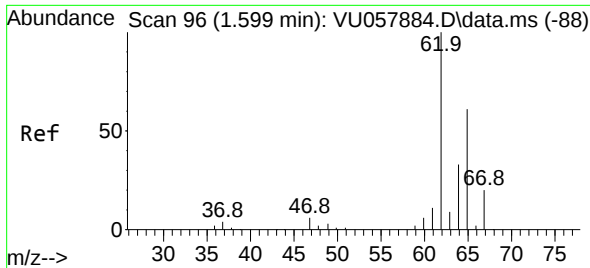
Tgt Ion: 85 Resp: 132229
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.2 39.2



#3
 Chloromethane
 Concen: 44.548 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057887.D
 Acq: 19 Feb 2024 18:10

Tgt Ion: 50 Resp: 139784
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.8 44.2

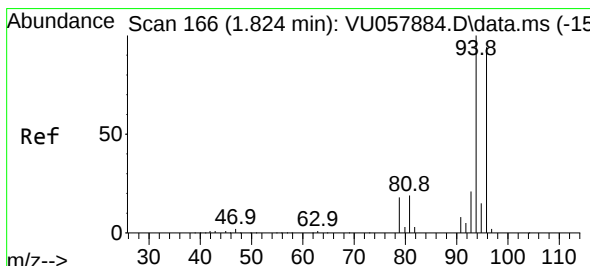
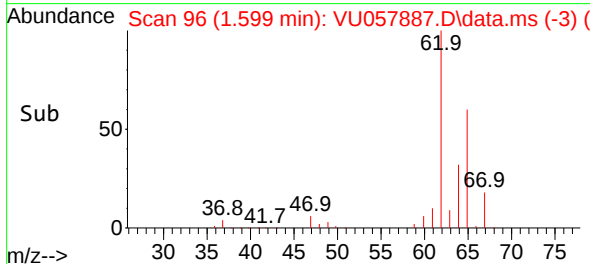
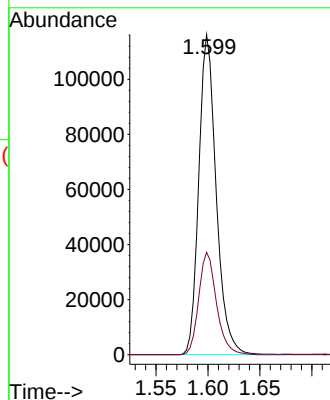
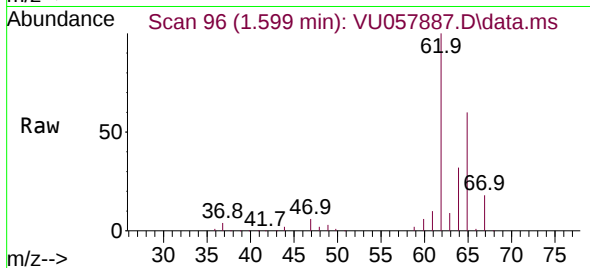




#5
 Vinyl chloride
 Concen: 43.645 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU057887.D
 Acq: 19 Feb 2024 18:10

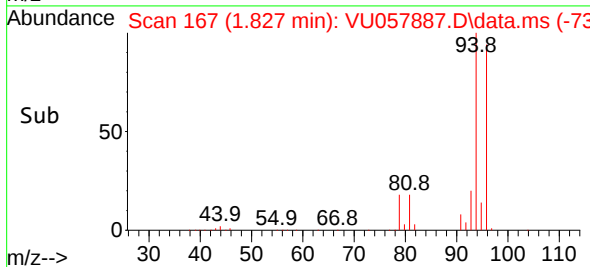
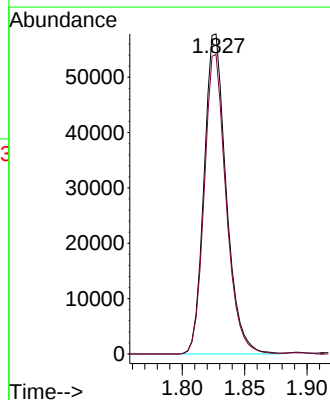
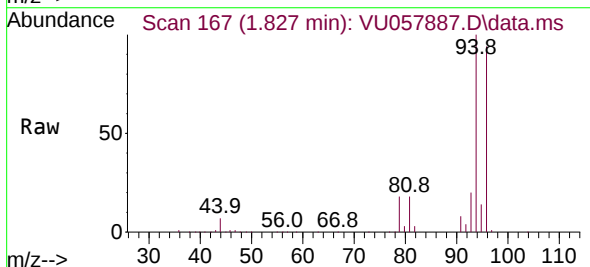
Instrument :
 MSVOA_U
 ClientSampleId :

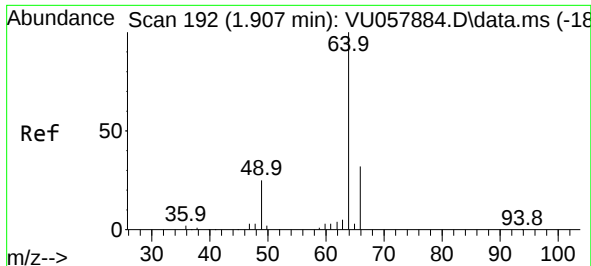
Tgt Ion: 62 Resp: 135237
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.1 42.9



#6
 Bromomethane
 Concen: 59.130 ug/L
 RT: 1.827 min Scan# 167
 Delta R.T. 0.003 min
 Lab File: VU057887.D
 Acq: 19 Feb 2024 18:10

Tgt Ion: 94 Resp: 71537
 Ion Ratio Lower Upper
 94 100
 96 93.5 65.5 121.7





#8

Chloroethane

Concen: 44.072 ug/L

RT: 1.911 min Scan# 193

Delta R.T. 0.003 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

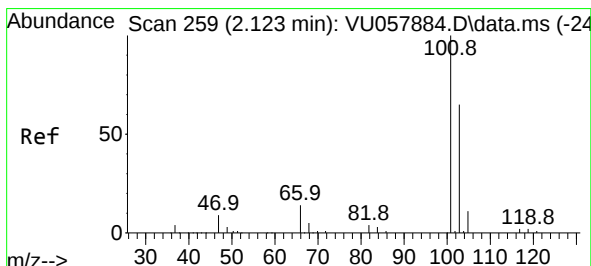
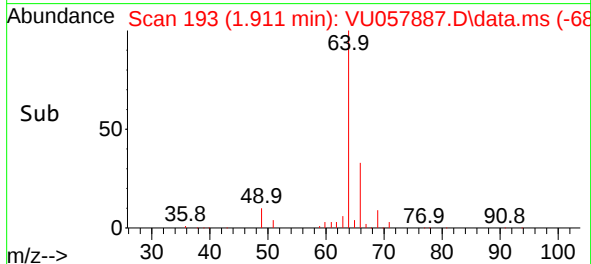
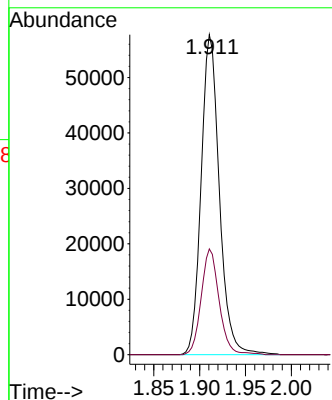
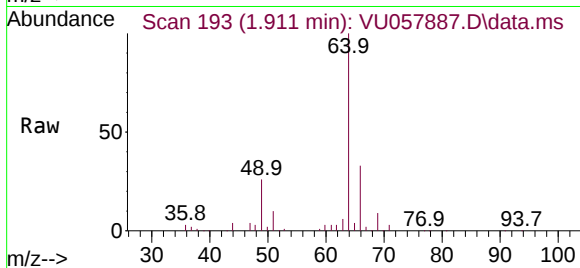
ClientSampleId :

Tgt Ion: 64 Resp: 79864

Ion Ratio Lower Upper

64 100

66 33.1 22.5 41.9



#9

Trichlorofluoromethane

Concen: 43.528 ug/L

RT: 2.123 min Scan# 259

Delta R.T. 0.000 min

Lab File: VU057887.D

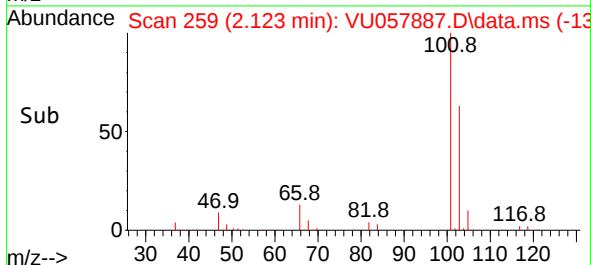
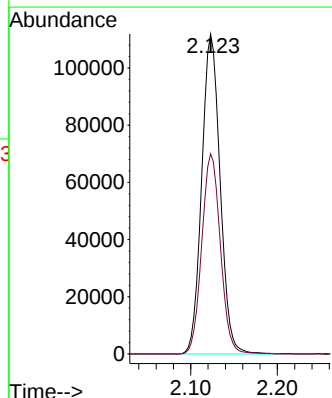
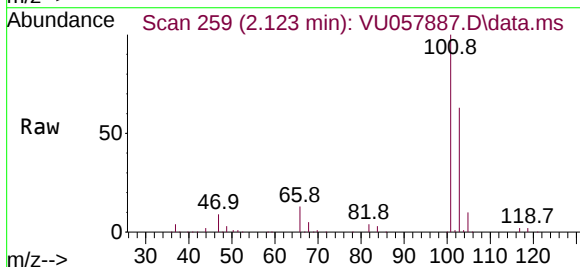
Acq: 19 Feb 2024 18:10

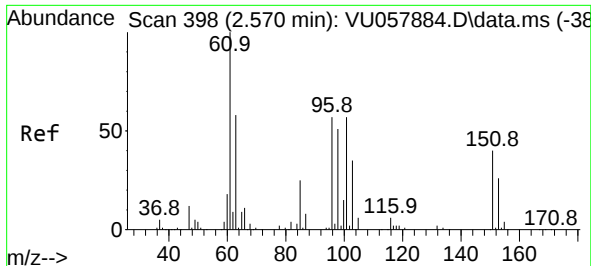
Tgt Ion:101 Resp: 165038

Ion Ratio Lower Upper

101 100

103 63.1 51.7 77.5

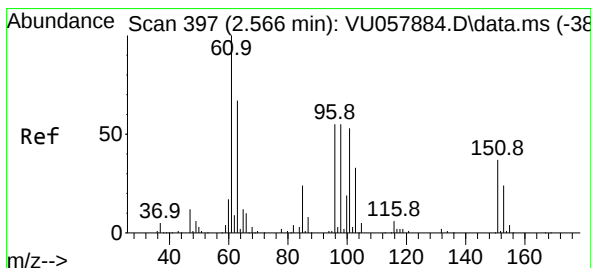
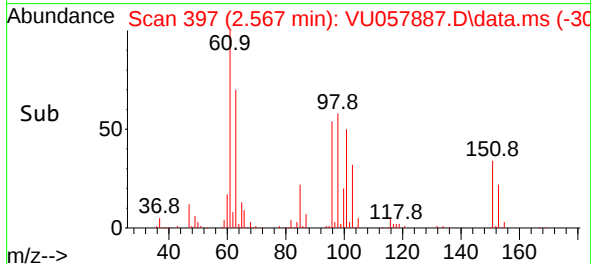
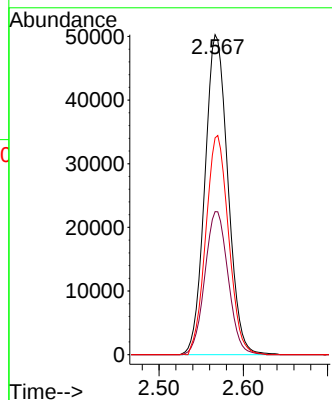
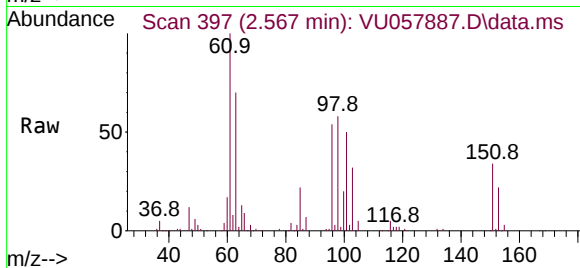




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.358 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

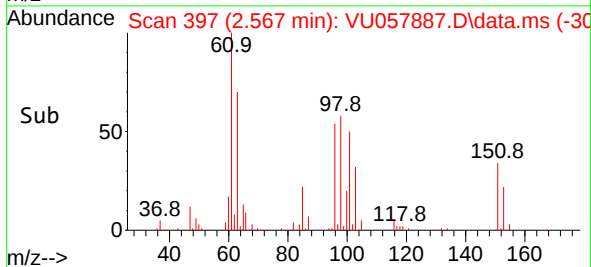
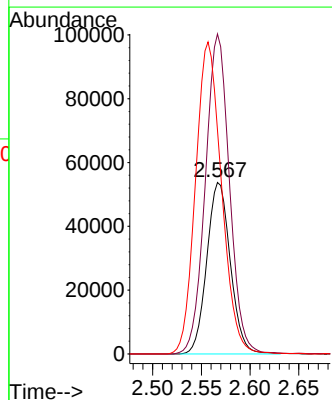
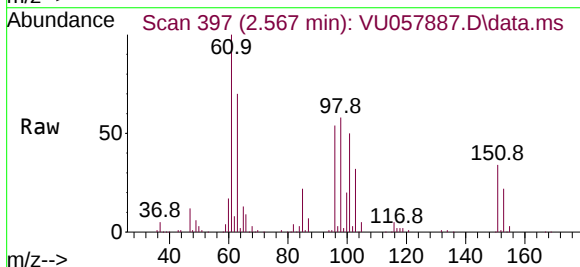
Instrument :
MSVOA_U
ClientSampleId :

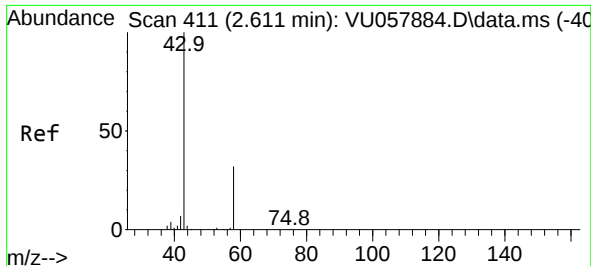
Tgt Ion:101 Resp: 95543
Ion Ratio Lower Upper
101 100
85 45.2 35.7 53.5
151 67.9 55.8 83.6



#12
1,1-Dichloroethene
Concen: 44.265 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Tgt Ion: 96 Resp: 90222
Ion Ratio Lower Upper
96 100
61 186.5 126.8 235.6
63 130.5 86.5 160.7





#13

Acetone

Concen: 88.947 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

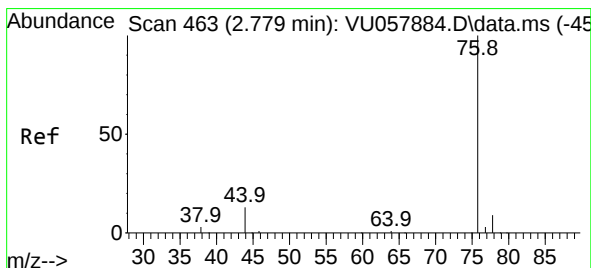
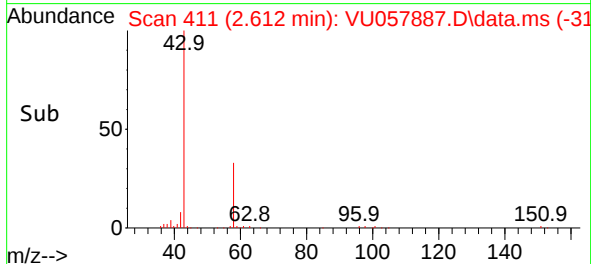
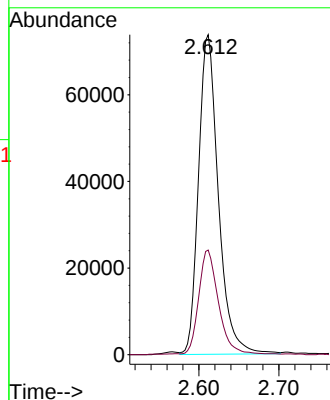
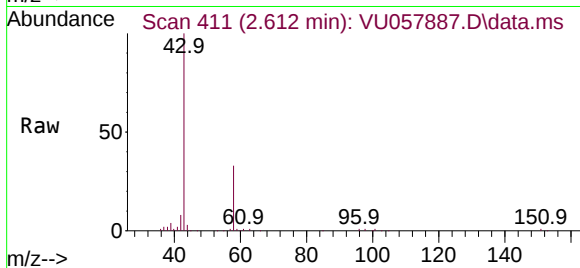
ClientSampleId :

Tgt Ion: 43 Resp: 127526

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.2



#14

Carbon disulfide

Concen: 44.388 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.003 min

Lab File: VU057887.D

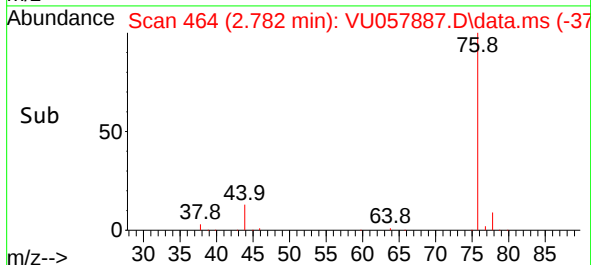
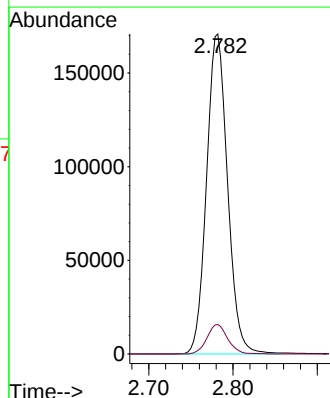
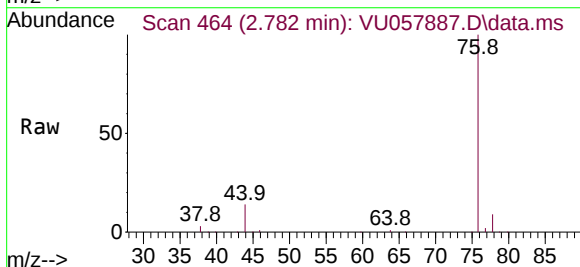
Acq: 19 Feb 2024 18:10

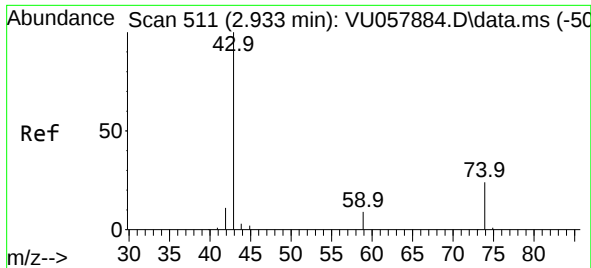
Tgt Ion: 76 Resp: 296083

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

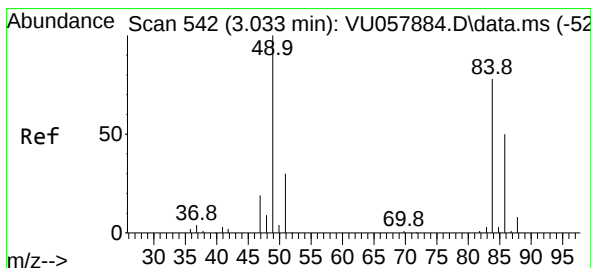
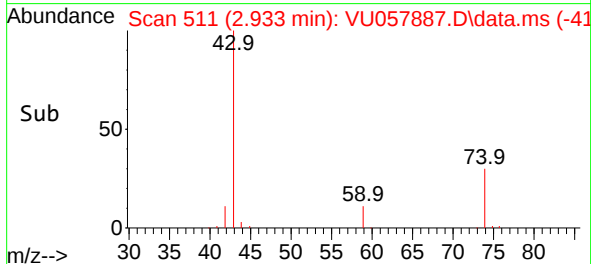
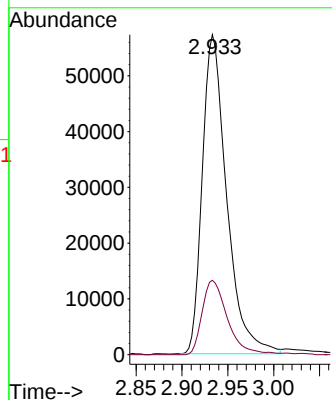
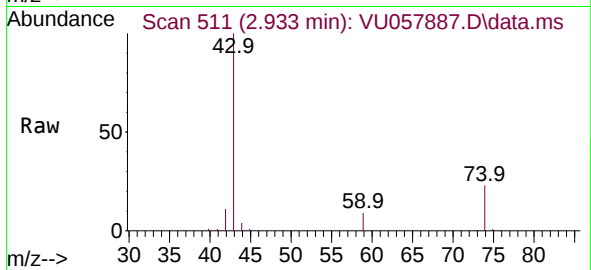




#15
Methyl Acetate
Concen: 45.371 ug/L
RT: 2.933 min Scan# 511
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

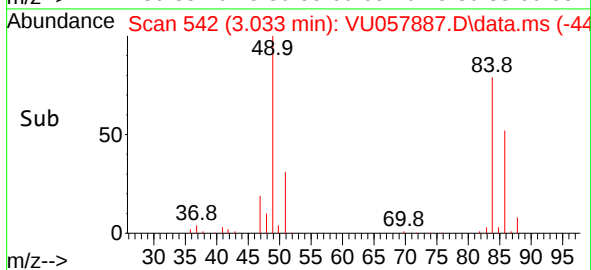
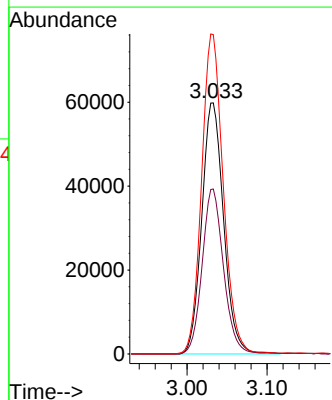
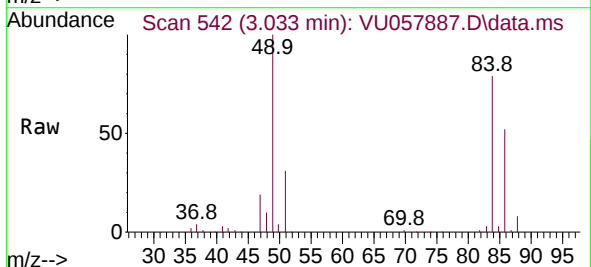
Instrument :
MSVOA_U
ClientSampleId :

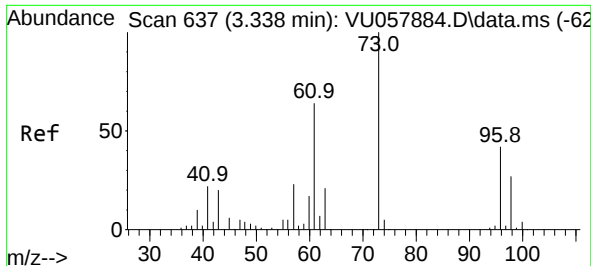
Tgt Ion: 43 Resp: 105902
Ion Ratio Lower Upper
43 100
74 24.1 18.6 27.8



#16
Methylene chloride
Concen: 42.776 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Tgt Ion: 84 Resp: 113638
Ion Ratio Lower Upper
84 100
86 65.7 45.1 83.7
49 127.2 89.7 166.5

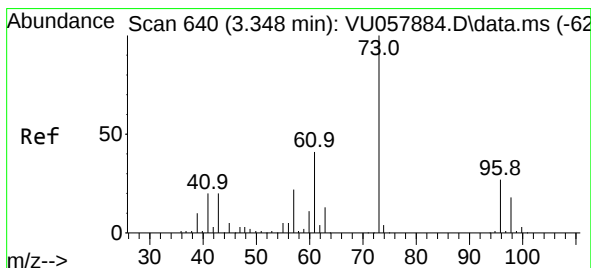
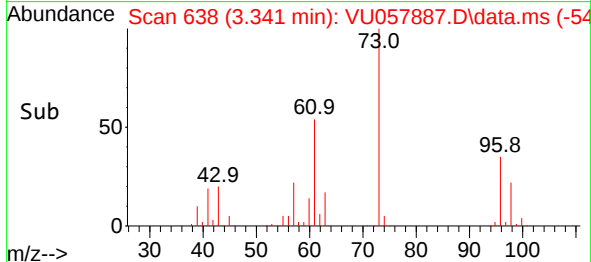
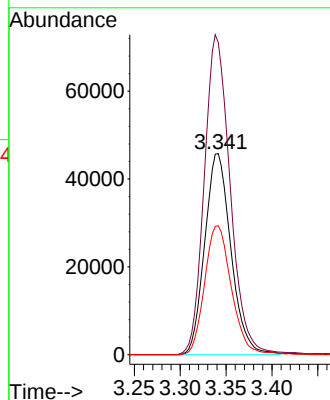
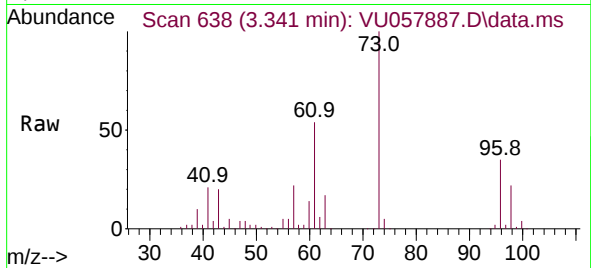




#17
trans-1,2-Dichloroethene
Concen: 43.129 ug/L
RT: 3.341 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

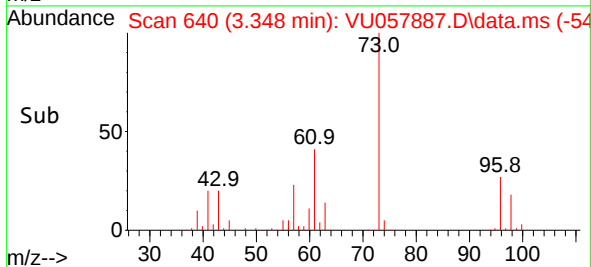
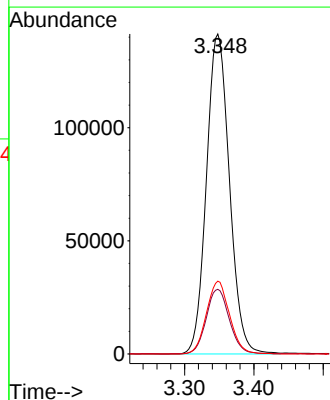
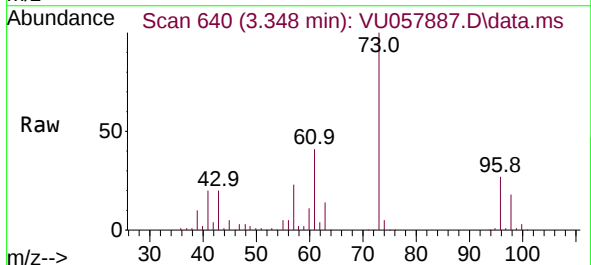
Instrument :
MSVOA_U
ClientSampleId :

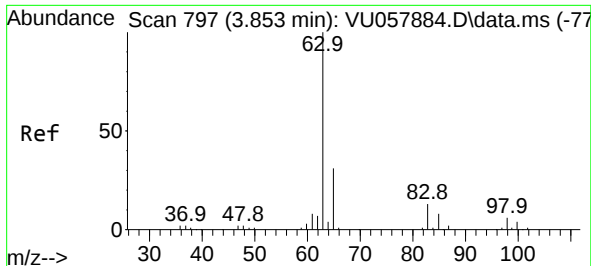
Tgt Ion: 96 Resp: 91200
Ion Ratio Lower Upper
96 100
61 155.3 106.3 197.3
98 64.1 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 44.297 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Tgt Ion: 73 Resp: 326112
Ion Ratio Lower Upper
73 100
43 20.2 16.0 24.0
57 22.8 17.8 26.6





#19

1,1-Dichloroethane

Concen: 44.071 ug/L

RT: 3.853 min Scan# 797

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

ClientSampleId :

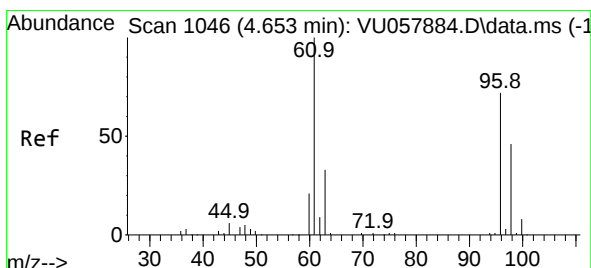
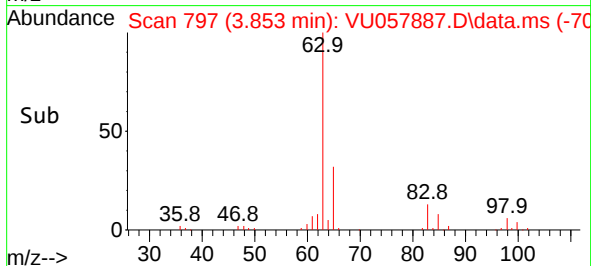
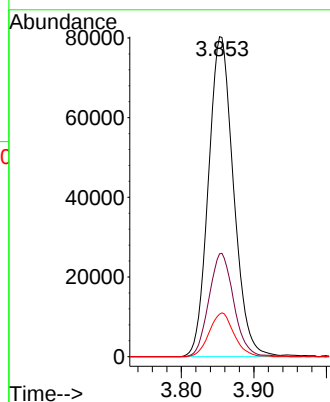
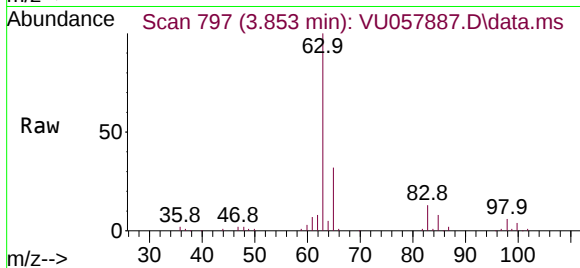
Tgt Ion: 63 Resp: 193211

Ion Ratio Lower Upper

63 100

65 32.2 21.7 40.3

83 13.3 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 43.821 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

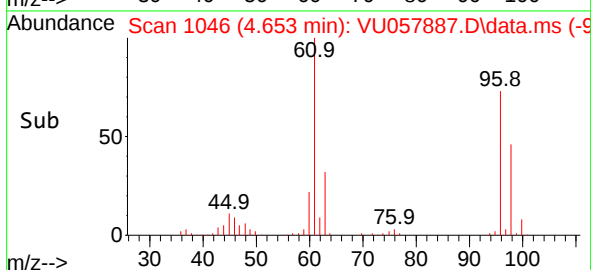
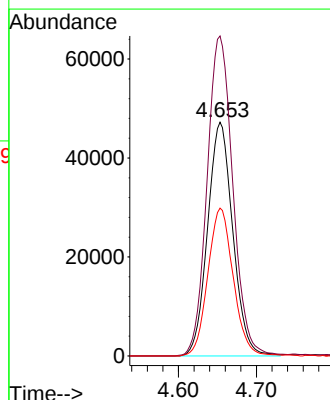
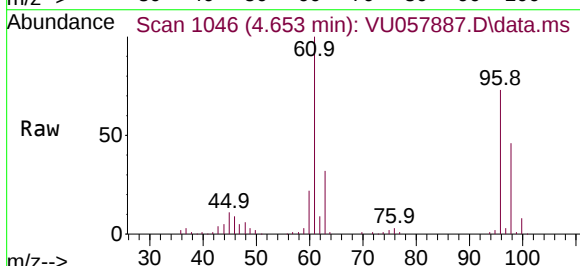
Tgt Ion: 96 Resp: 106300

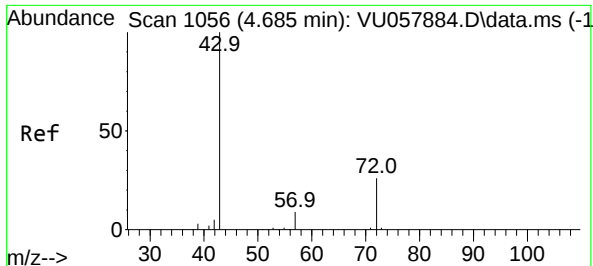
Ion Ratio Lower Upper

96 100

61 136.9 96.7 179.7

98 63.2 44.3 82.3

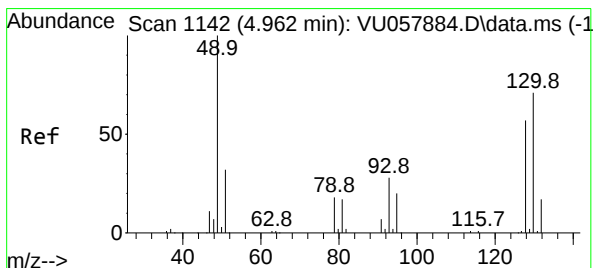
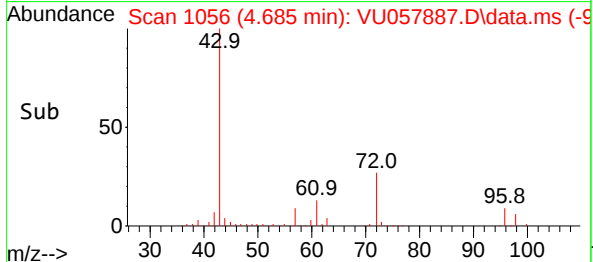
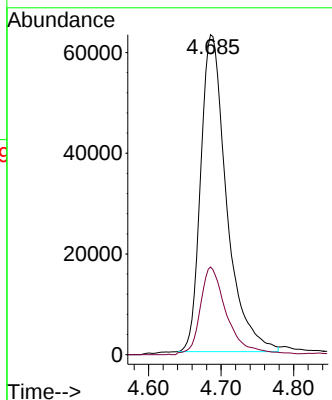
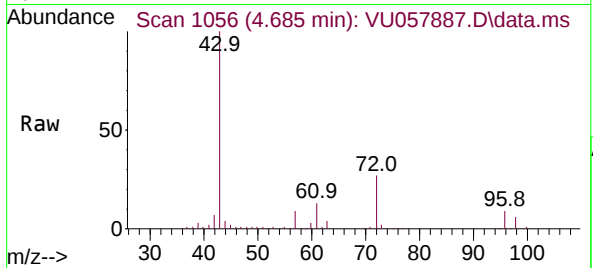




#22
2-Butanone
Concen: 90.017 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

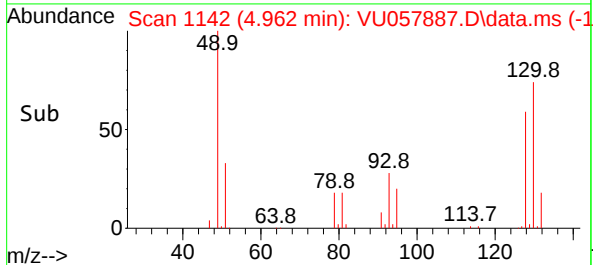
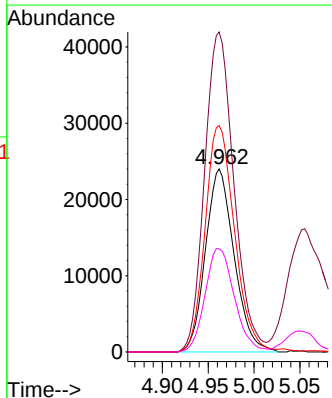
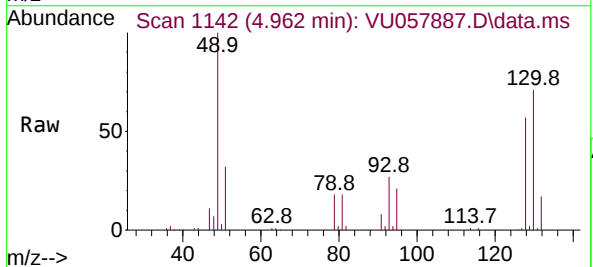
Instrument :
MSVOA_U
ClientSampleId :

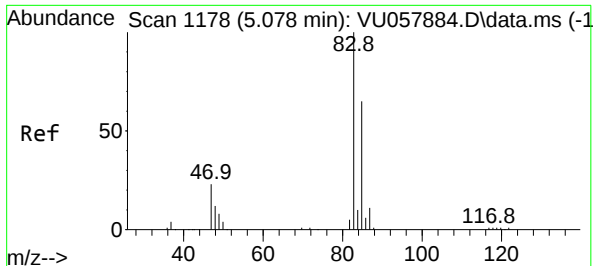
Tgt Ion: 43 Resp: 156362
Ion Ratio Lower Upper
43 100
72 28.2 13.8 41.3



#23
Bromochloromethane
Concen: 44.293 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Tgt Ion:128 Resp: 52205
Ion Ratio Lower Upper
128 100
49 174.8 124.0 230.4
130 123.7 87.8 163.0
51 56.4 44.4 66.6





#25

Chloroform

Concen: 44.270 ug/L

RT: 5.074 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

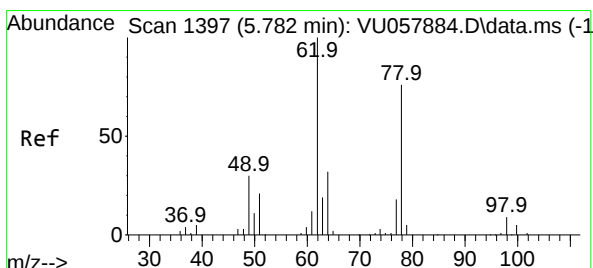
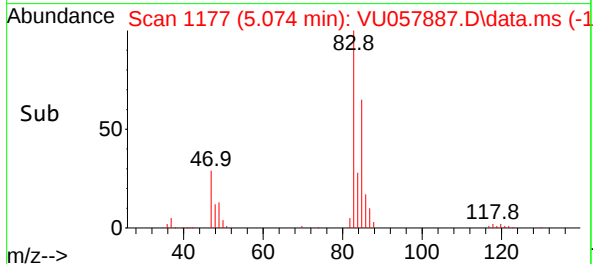
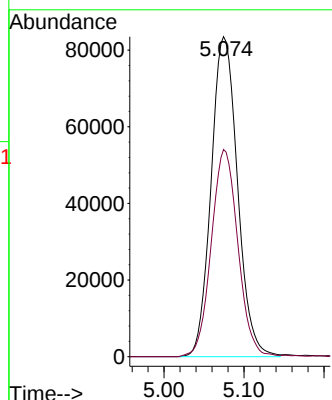
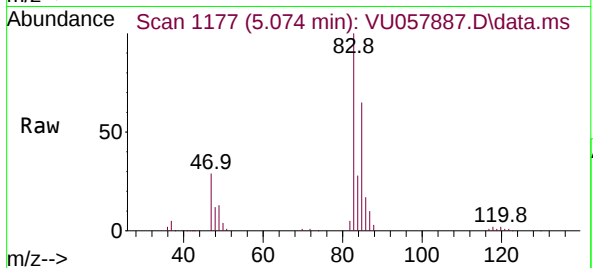
ClientSampleId :

Tgt Ion: 83 Resp: 191630

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.6



#27

1,2-Dichloroethane

Concen: 44.173 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU057887.D

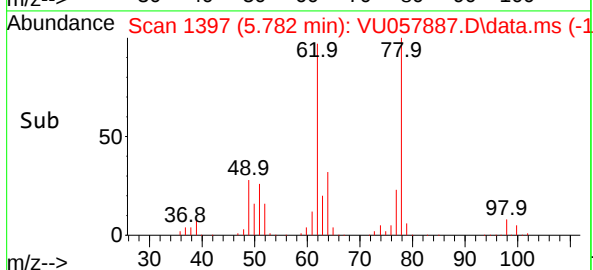
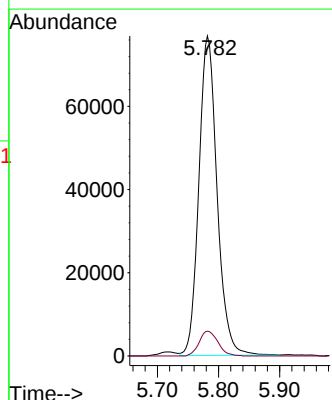
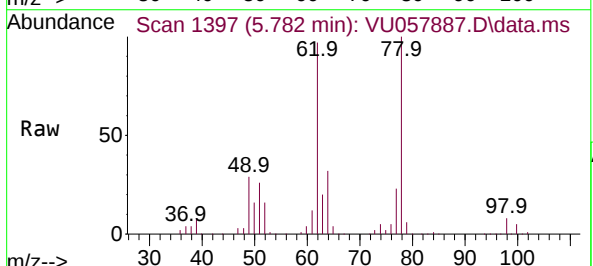
Acq: 19 Feb 2024 18:10

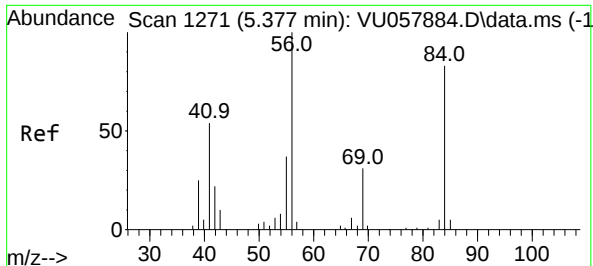
Tgt Ion: 62 Resp: 159099

Ion Ratio Lower Upper

62 100

98 8.1 7.1 10.7





#29

Cyclohexane

Concen: 45.188 ug/L

RT: 5.377 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

ClientSampleId :

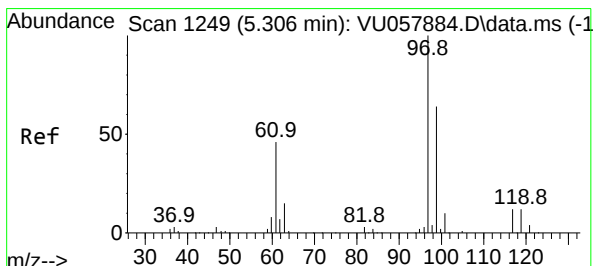
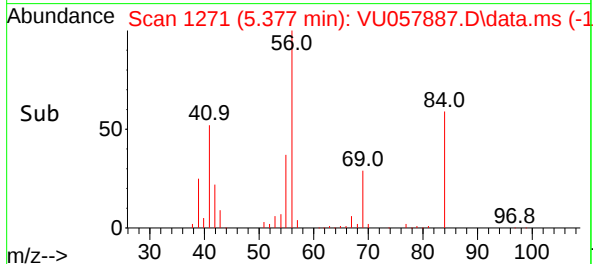
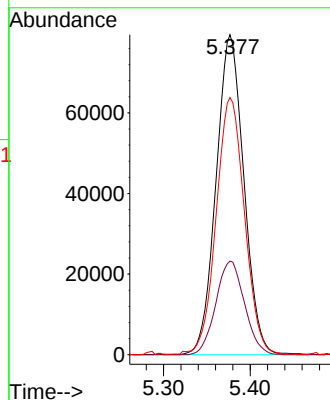
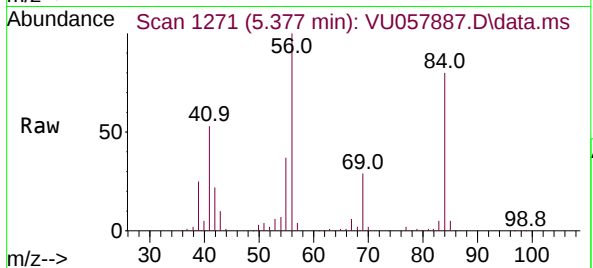
Tgt Ion: 56 Resp: 176571

Ion Ratio Lower Upper

56 100

69 30.2 24.6 36.8

84 81.8 66.9 100.3



#30

1,1,1-Trichloroethane

Concen: 45.450 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.003 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

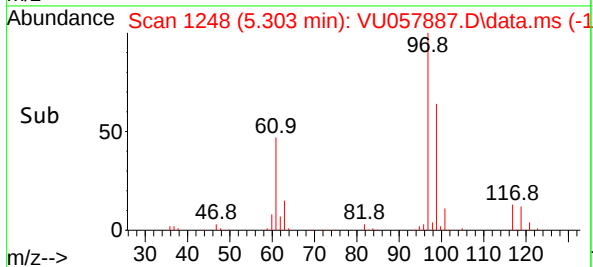
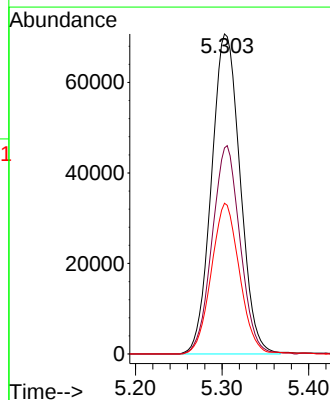
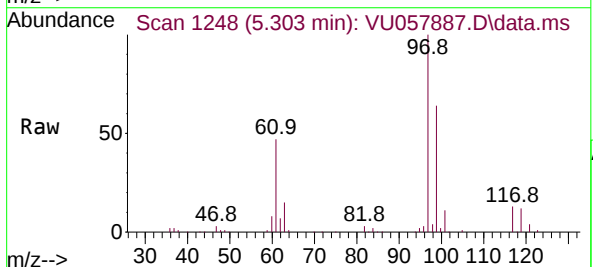
Tgt Ion: 97 Resp: 162612

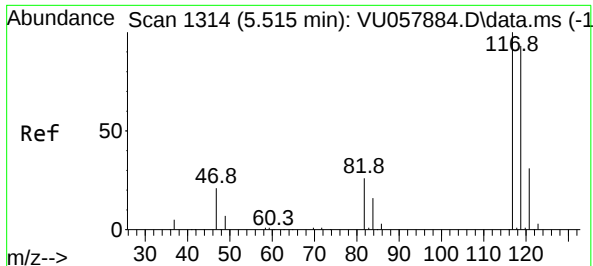
Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 46.2 36.8 55.2

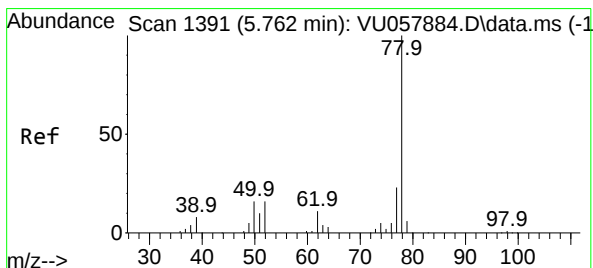
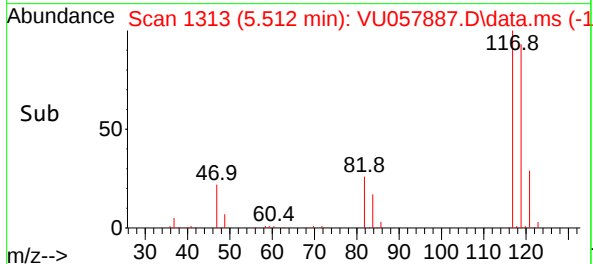
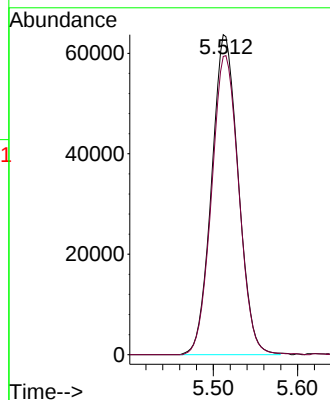
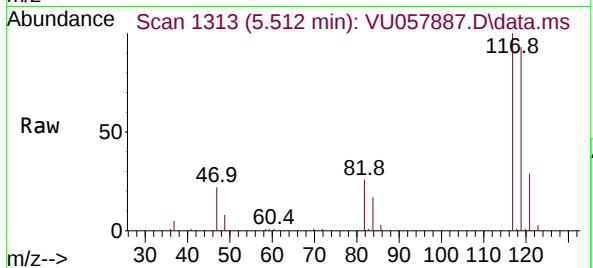




#31
Carbon tetrachloride
Concen: 45.561 ug/L
RT: 5.512 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

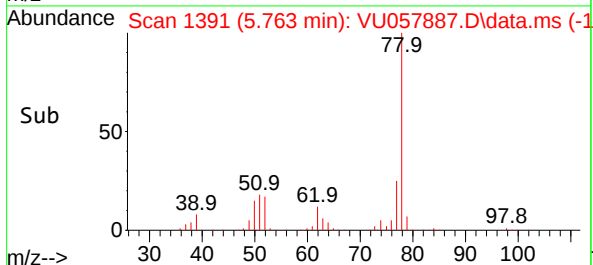
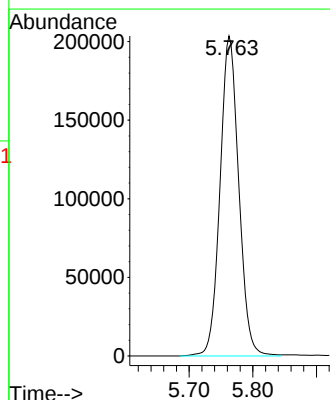
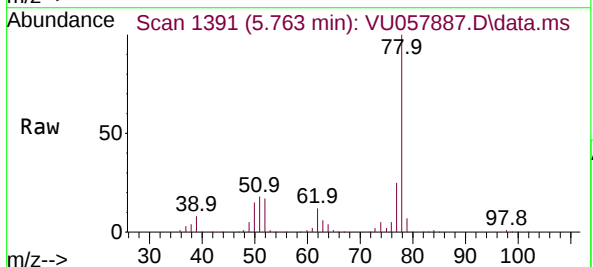
Instrument :
MSVOA_U
ClientSampleId :

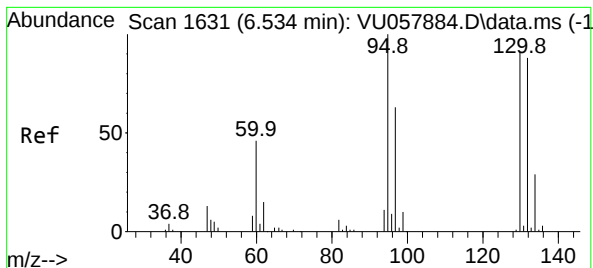
Tgt Ion:117 Resp: 139982
Ion Ratio Lower Upper
117 100
119 95.4 75.9 113.9



#33
Benzene
Concen: 44.955 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Tgt Ion: 78 Resp: 416285





#34

Trichloroethene

Concen: 45.525 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 108364

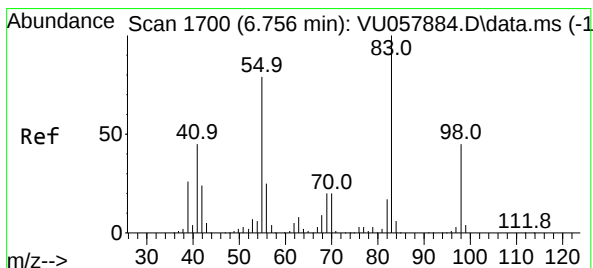
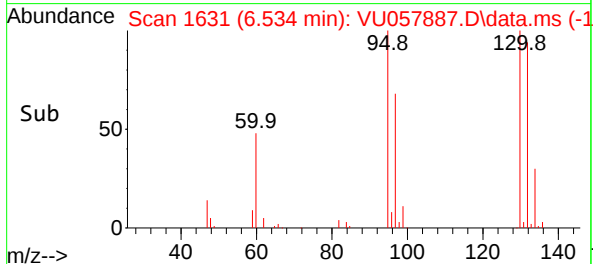
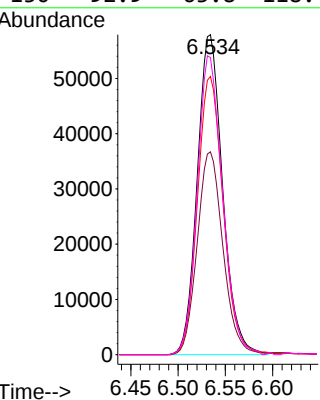
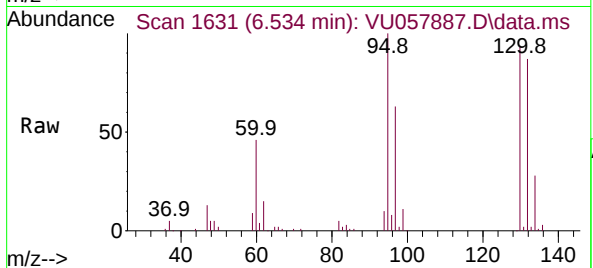
Ion Ratio Lower Upper

95 100

97 63.4 44.2 82.2

132 86.9 61.4 114.0

130 92.9 63.8 118.4



#35

Methylcyclohexane

Concen: 44.095 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

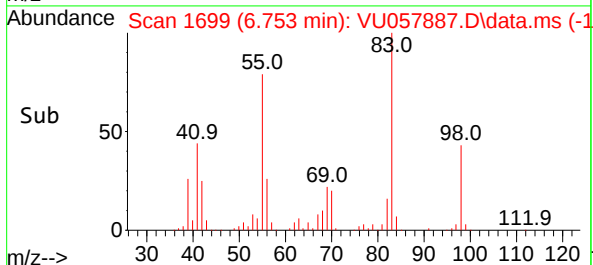
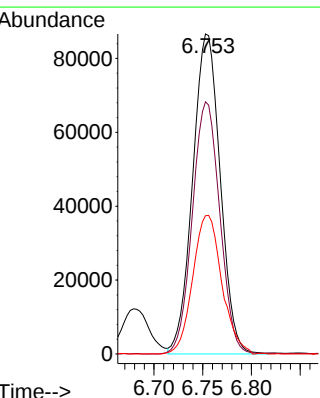
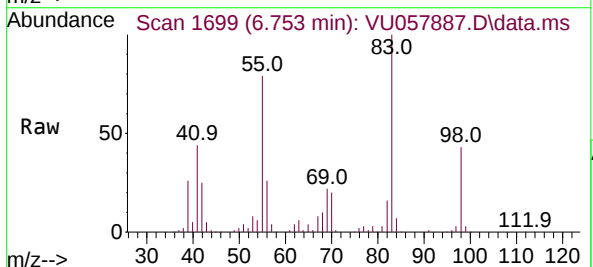
Tgt Ion: 83 Resp: 170532

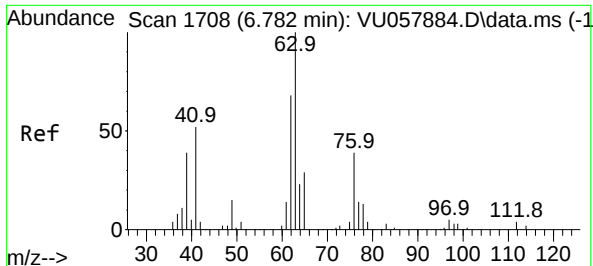
Ion Ratio Lower Upper

83 100

55 78.5 62.7 94.1

98 45.6 36.3 54.5





#37

1,2-Dichloropropane

Concen: 45.424 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

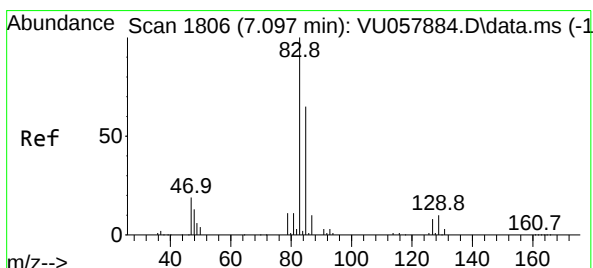
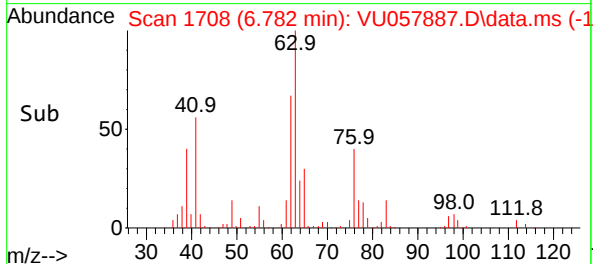
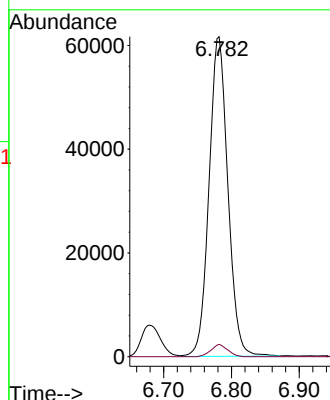
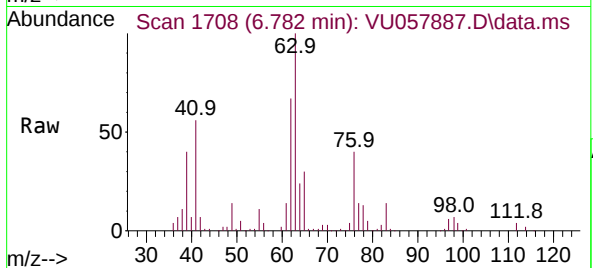
ClientSampleId :

Tgt Ion: 63 Resp: 118689

Ion Ratio Lower Upper

63 100

112 3.4 2.9 4.3



#38

Bromodichloromethane

Concen: 45.706 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

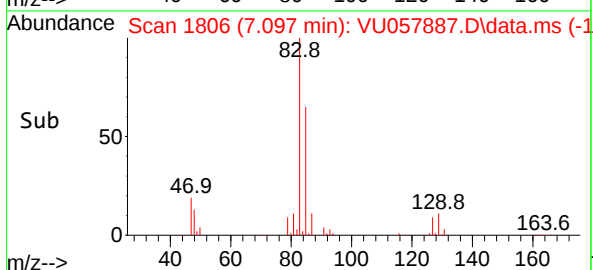
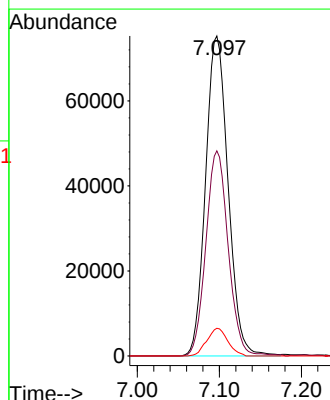
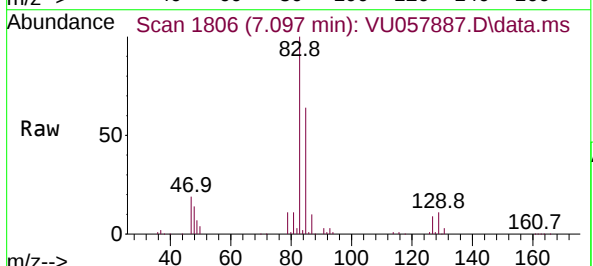
Tgt Ion: 83 Resp: 143412

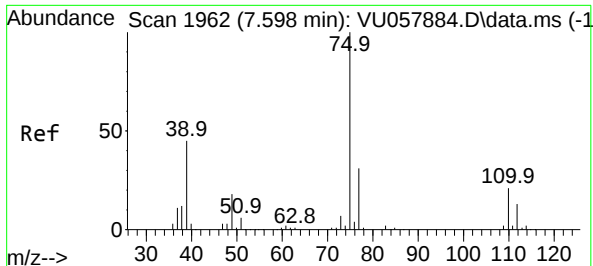
Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4

127 9.5 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 46.550 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

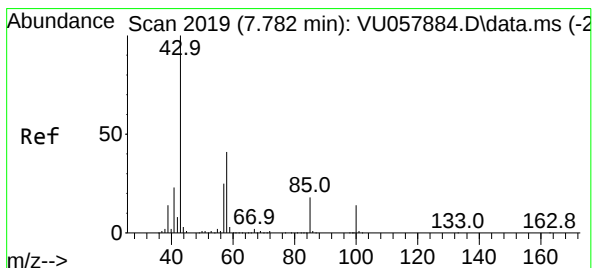
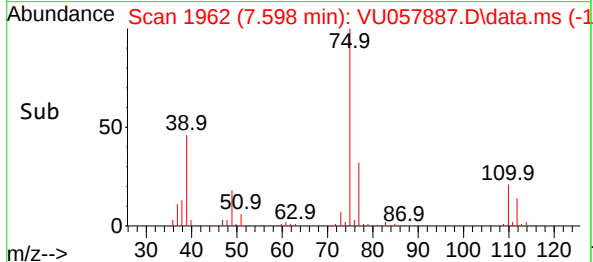
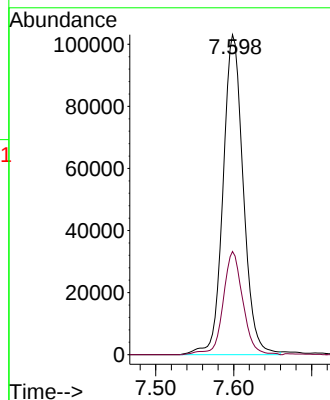
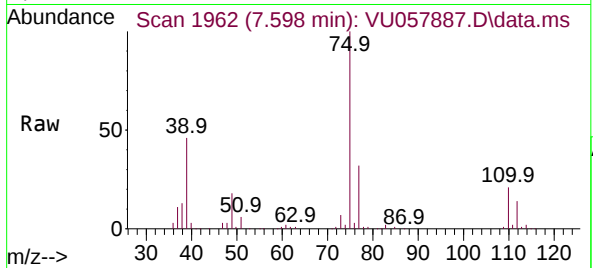
ClientSampleId :

Tgt Ion: 75 Resp: 185877

Ion Ratio Lower Upper

75 100

77 32.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 94.882 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

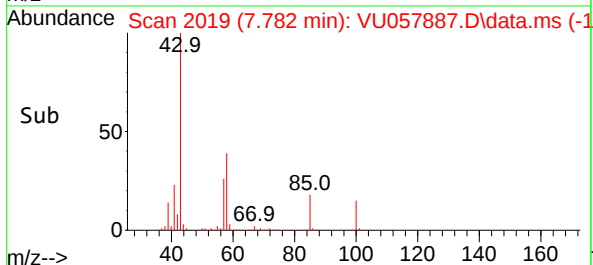
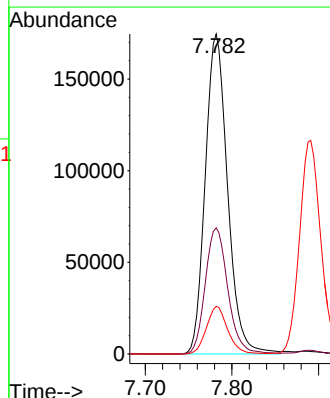
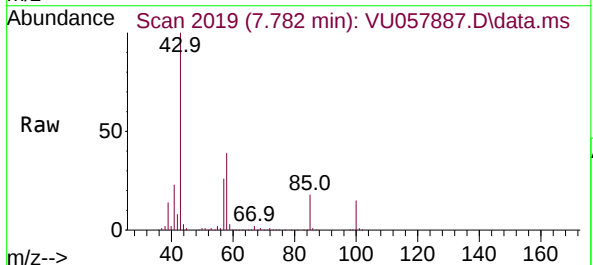
Tgt Ion: 43 Resp: 312075

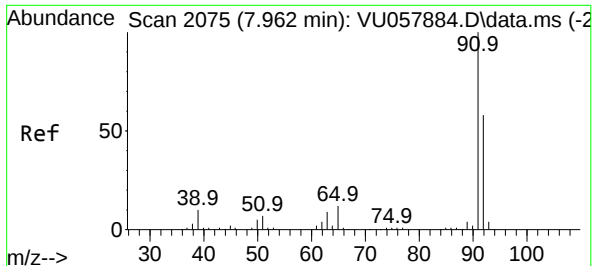
Ion Ratio Lower Upper

43 100

58 39.9 32.3 48.5

100 14.2 11.4 17.0





#42

Toluene

Concen: 45.324 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

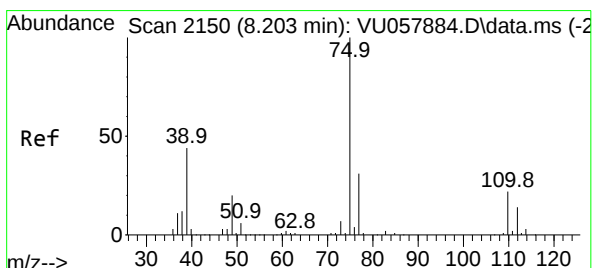
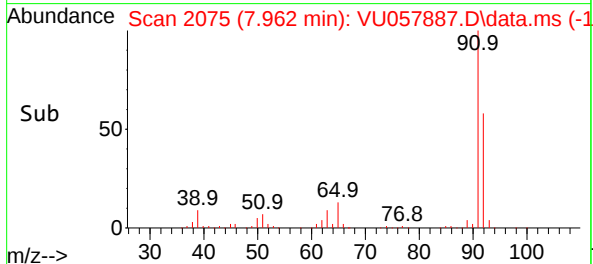
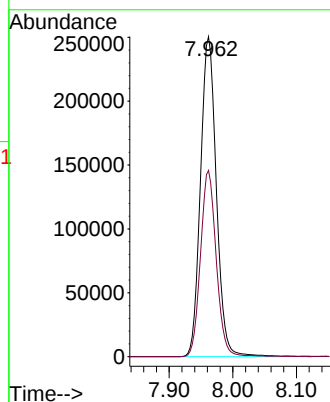
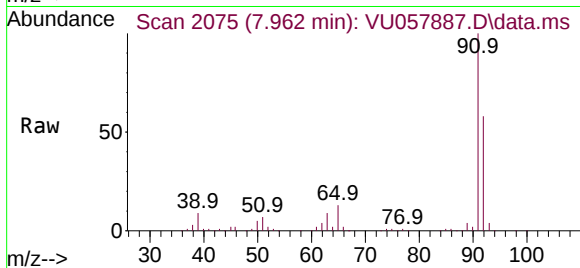
ClientSampleId :

Tgt Ion: 91 Resp: 434364

Ion Ratio Lower Upper

91 100

92 58.2 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 46.244 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057887.D

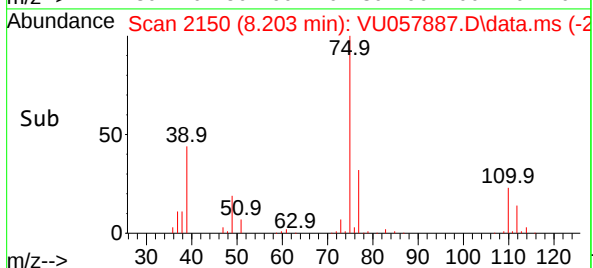
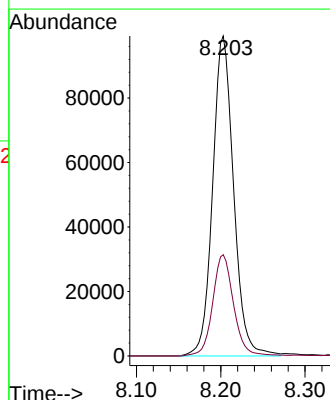
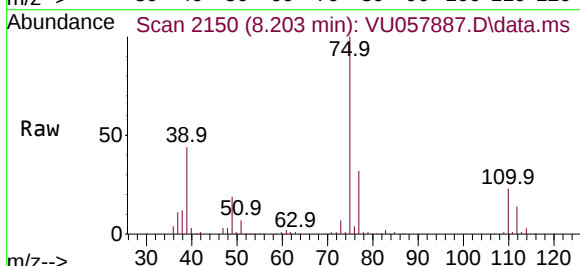
Acq: 19 Feb 2024 18:10

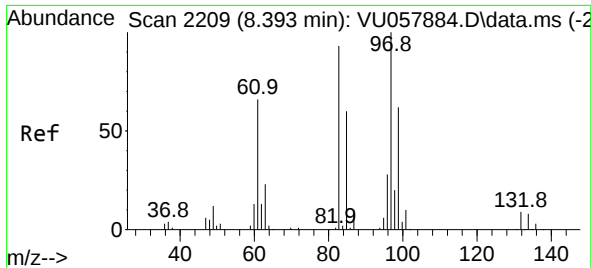
Tgt Ion: 75 Resp: 171363

Ion Ratio Lower Upper

75 100

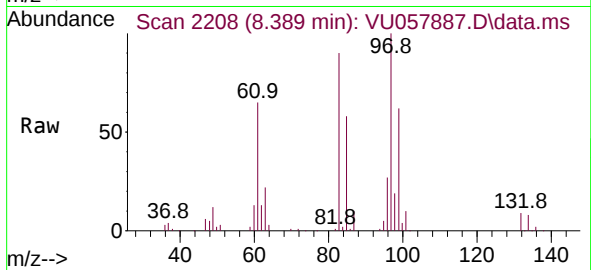
77 31.7 21.8 40.4





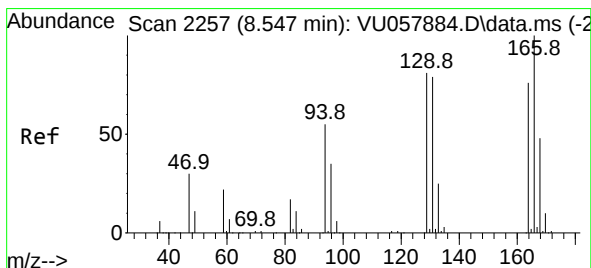
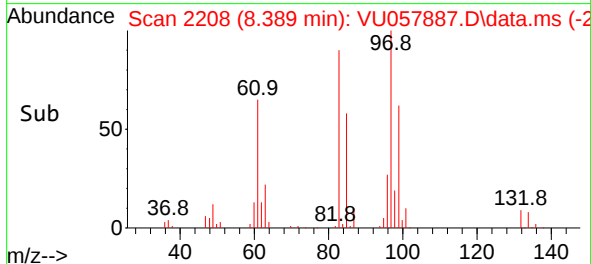
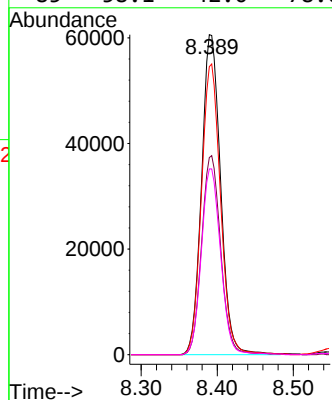
#45
1,1,2-Trichloroethane
Concen: 45.385 ug/L
RT: 8.389 min Scan# 2209
Delta R.T. -0.003 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 97 Resp: 105368

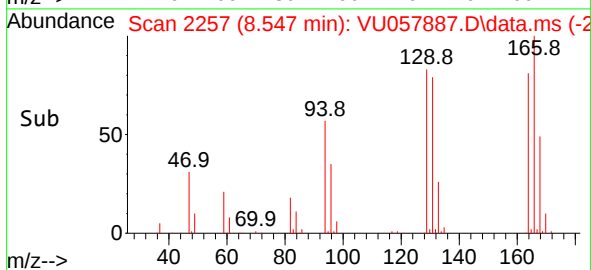
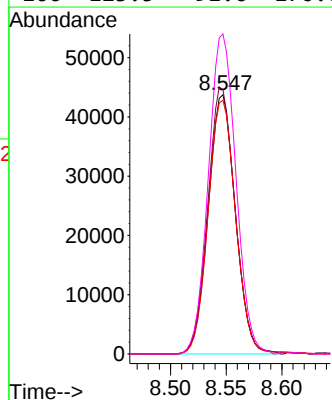
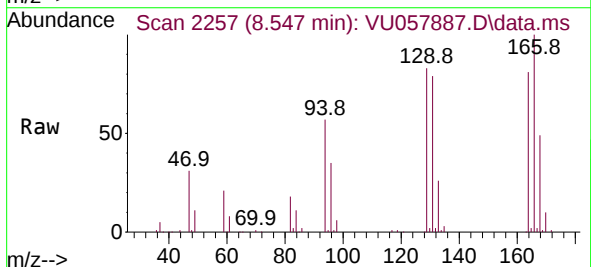
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.0	80.0
83	90.0	65.0	120.6
85	58.1	42.0	78.0

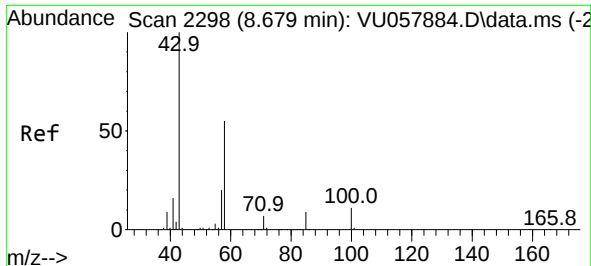


#46
Tetrachloroethene
Concen: 45.316 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Tgt Ion: 164 Resp: 74234

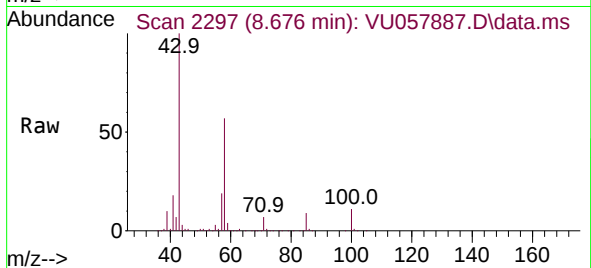
Ion	Ratio	Lower	Upper
164	100		
129	102.1	74.1	137.7
131	97.9	72.0	133.6
166	123.5	91.6	170.0



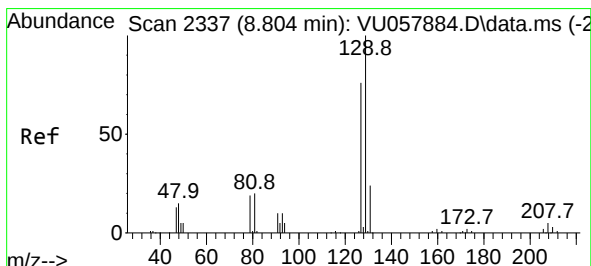
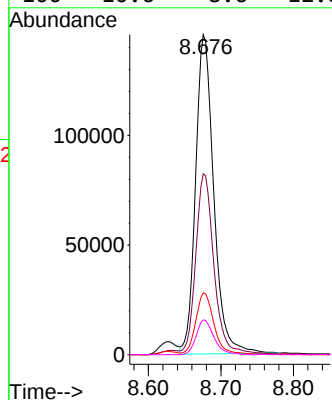
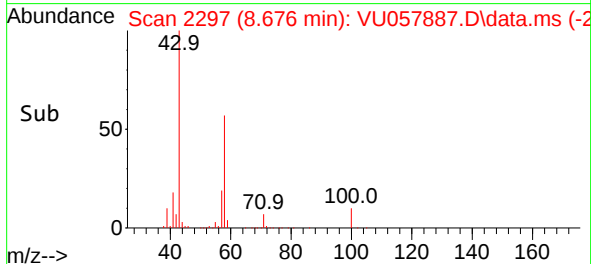


#48
2-Hexanone
Concen: 94.645 ug/L
RT: 8.676 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Instrument :
MSVOA_U
ClientSampleId :

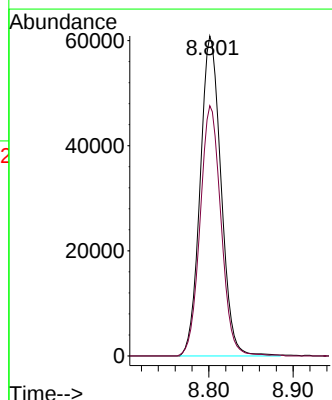
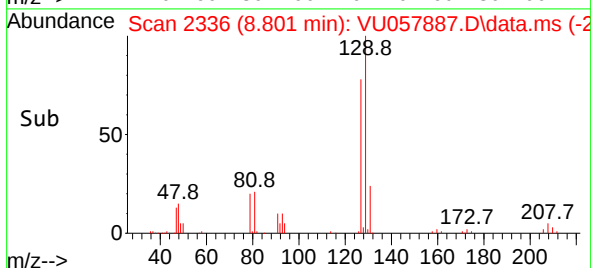
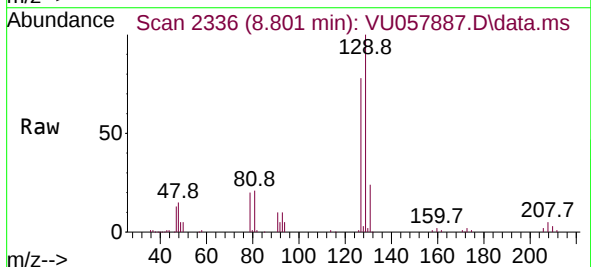


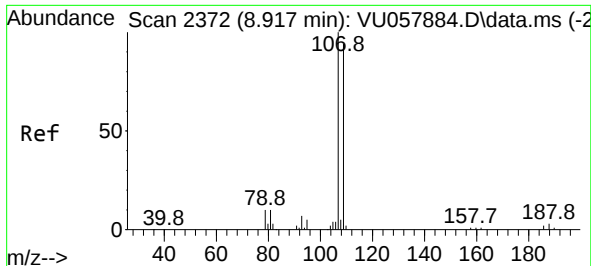
Tgt Ion: 43 Resp: 254087
Ion Ratio Lower Upper
43 100
58 57.1 43.8 65.8
57 18.9 15.5 23.3
100 10.6 8.6 12.8



#49
Dibromochloromethane
Concen: 45.394 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Tgt Ion: 129 Resp: 104956
Ion Ratio Lower Upper
129 100
127 78.2 53.3 99.1

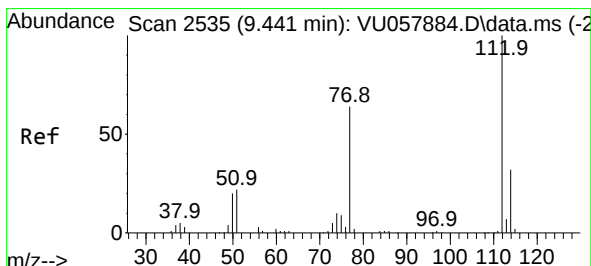
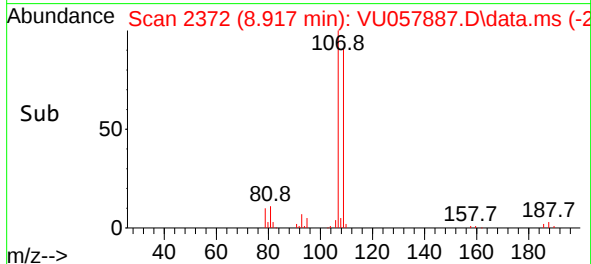
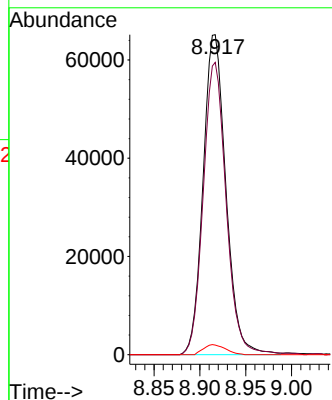
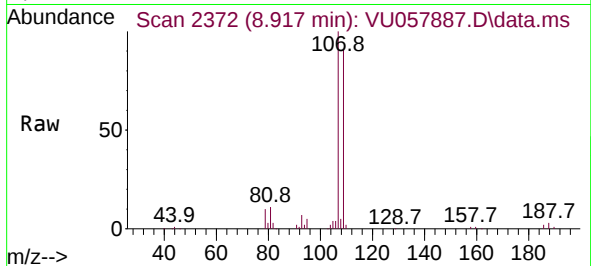




#50
1,2-Dibromoethane
Concen: 46.082 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

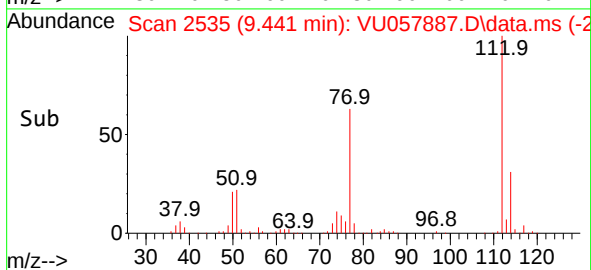
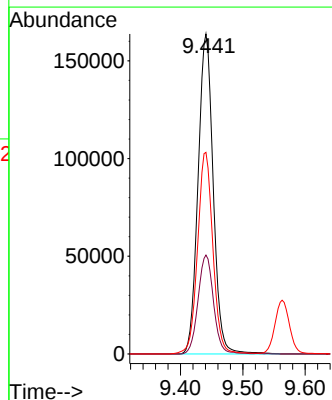
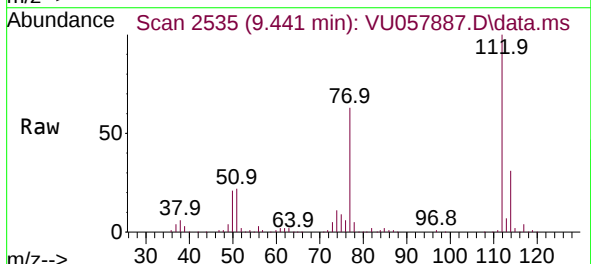
Instrument :
MSVOA_U
ClientSampleId :

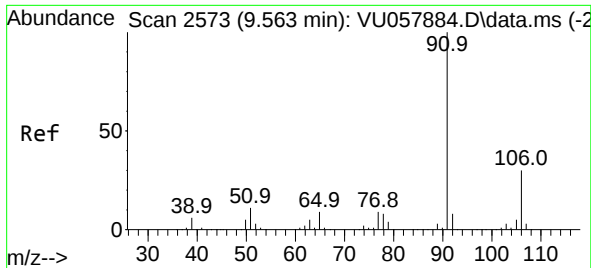
Tgt Ion:107 Resp: 112647
Ion Ratio Lower Upper
107 100
109 91.4 66.1 122.8
188 3.0 2.6 3.8



#51
Chlorobenzene
Concen: 45.401 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Tgt Ion:112 Resp: 276680
Ion Ratio Lower Upper
112 100
114 30.9 22.7 42.1
77 63.0 51.8 77.8

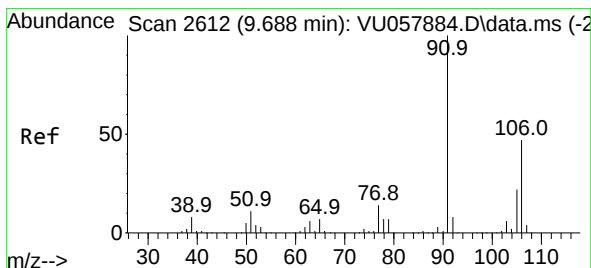
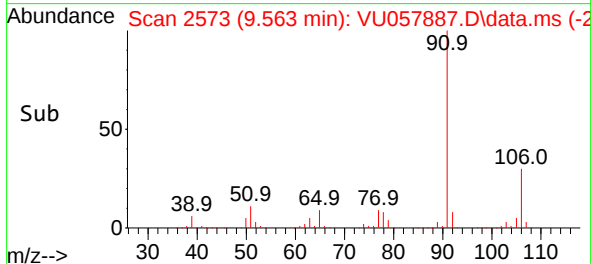
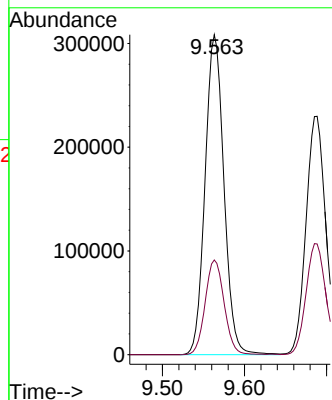
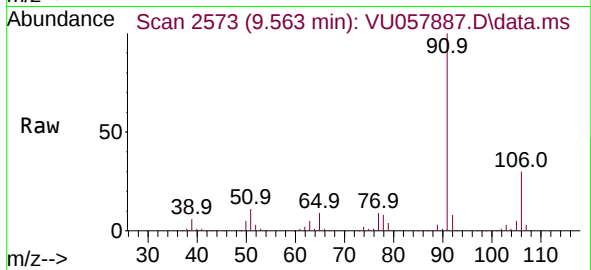




#52
Ethylbenzene
Concen: 45.858 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

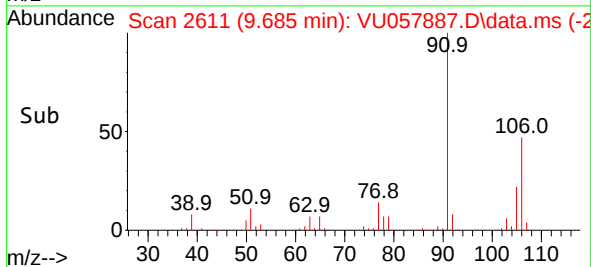
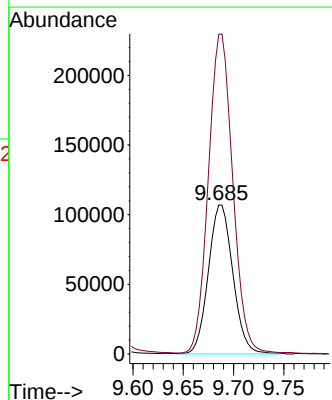
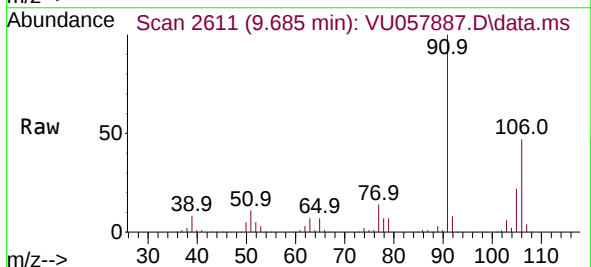
Instrument :
MSVOA_U
ClientSampleId :

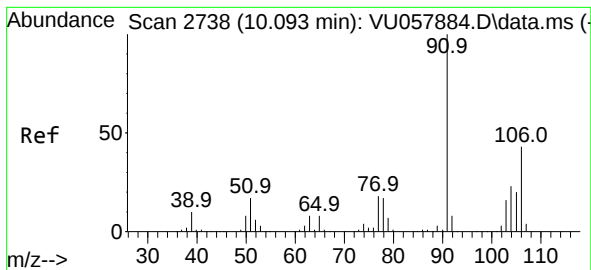
Tgt Ion: 91 Resp: 492787
Ion Ratio Lower Upper
91 100
106 29.6 21.1 39.1



#53
m,p-Xylene
Concen: 46.402 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Tgt Ion:106 Resp: 181341
Ion Ratio Lower Upper
106 100
91 214.6 150.2 279.0





#54

o-Xylene

Concen: 46.483 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

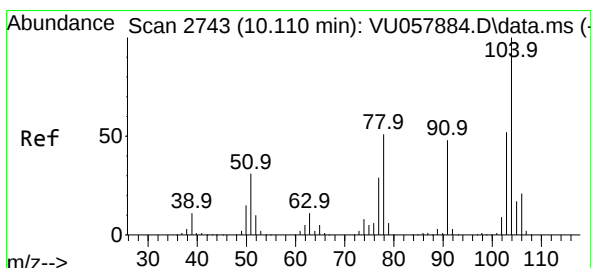
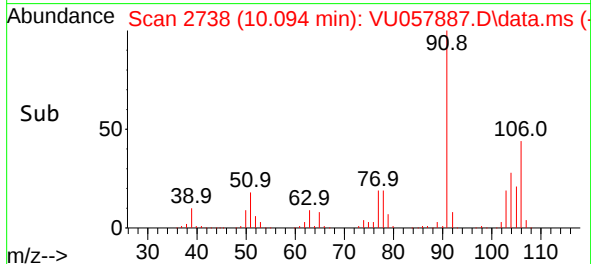
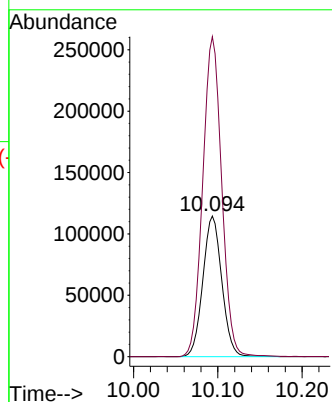
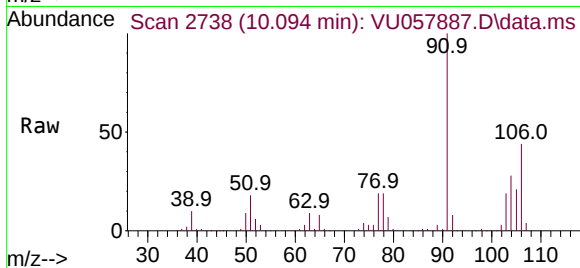
ClientSampleId :

Tgt Ion:106 Resp: 179482

Ion Ratio Lower Upper

106 100

91 227.4 161.3 299.5



#55

Styrene

Concen: 46.602 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057887.D

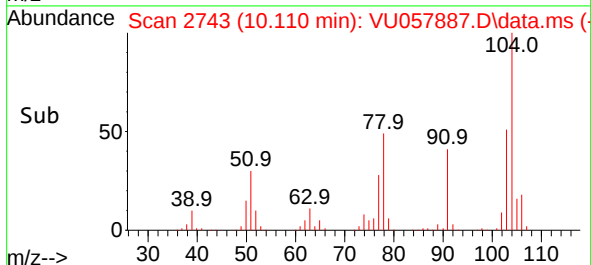
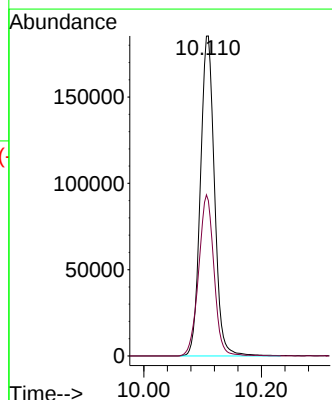
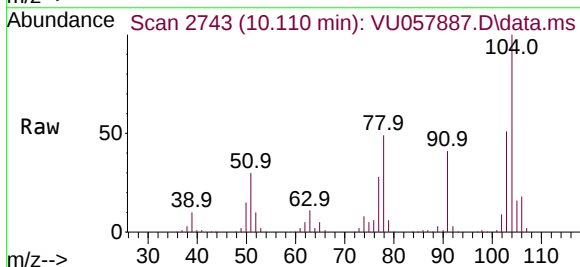
Acq: 19 Feb 2024 18:10

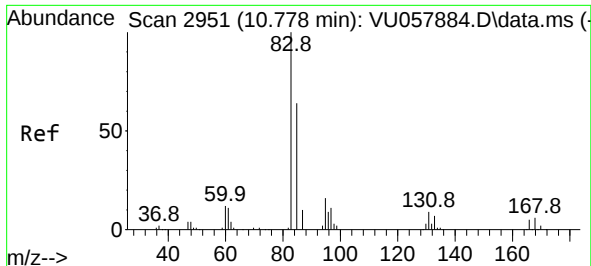
Tgt Ion:104 Resp: 308571

Ion Ratio Lower Upper

104 100

78 48.6 35.6 66.2

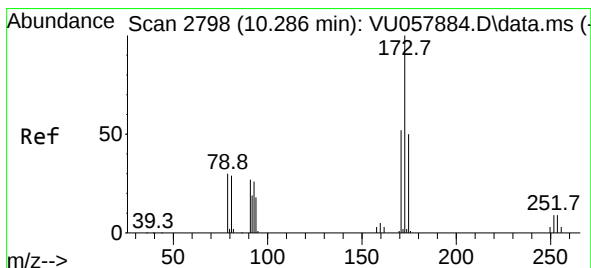
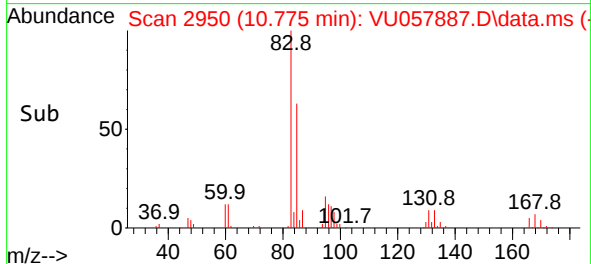
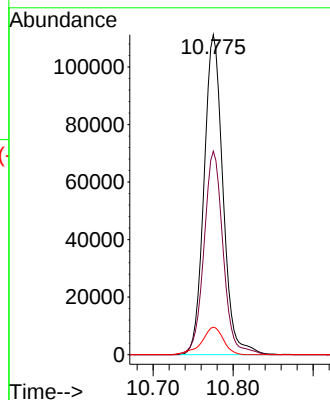
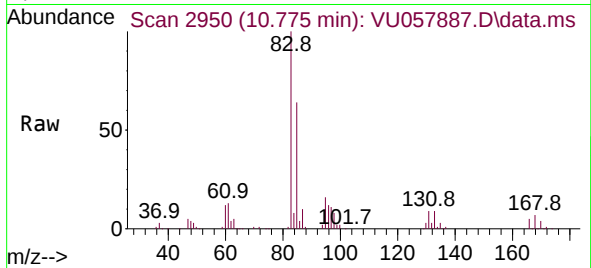




#57
1,1,2,2-Tetrachloroethane
Concen: 46.339 ug/L
RT: 10.775 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

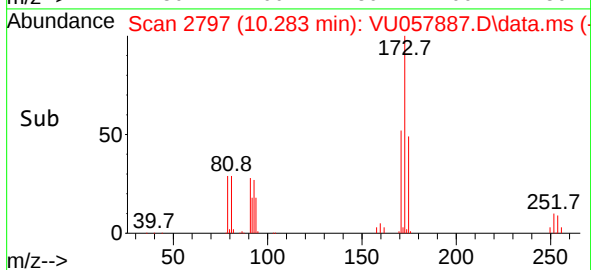
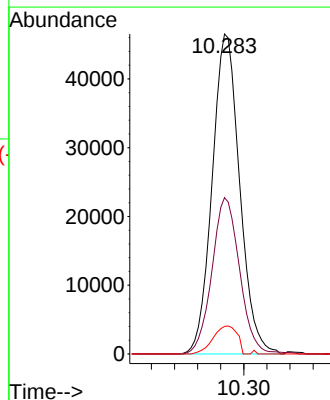
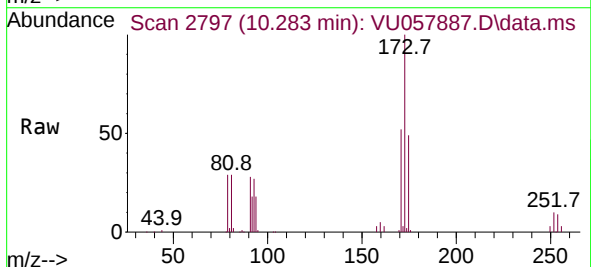
Instrument :
MSVOA_U
ClientSampleId :

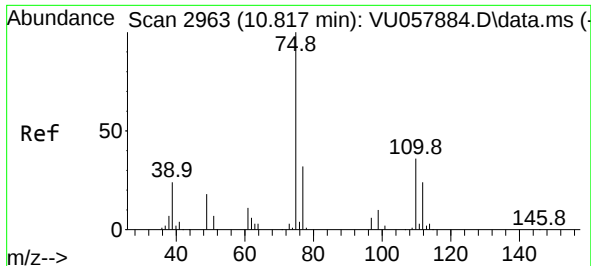
Tgt Ion: 83 Resp: 183271
Ion Ratio Lower Upper
83 100
85 63.6 45.2 84.0
131 8.6 7.8 11.6



#59
Bromoform
Concen: 47.193 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.003 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Tgt Ion:173 Resp: 76948
Ion Ratio Lower Upper
173 100
175 49.1 38.8 58.2
254 7.7 1.0 1.6#

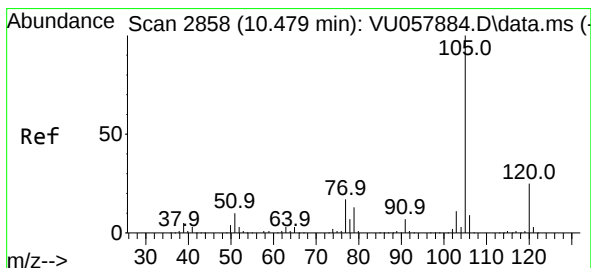
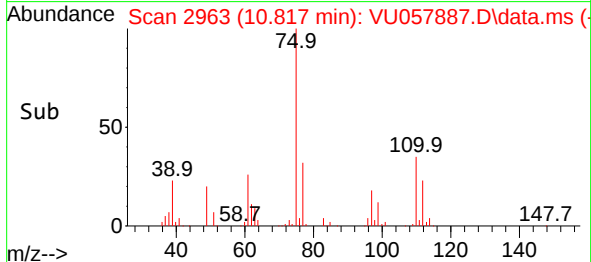
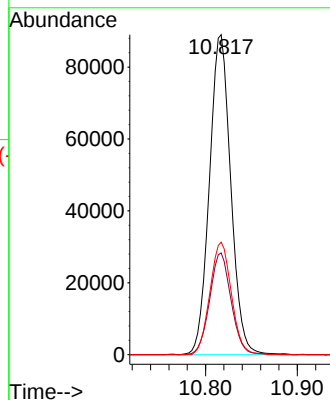
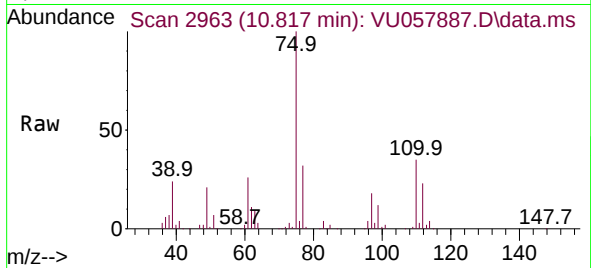




#60
1,2,3-Trichloropropane
Concen: 46.769 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

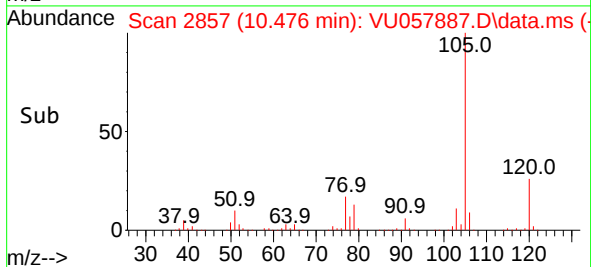
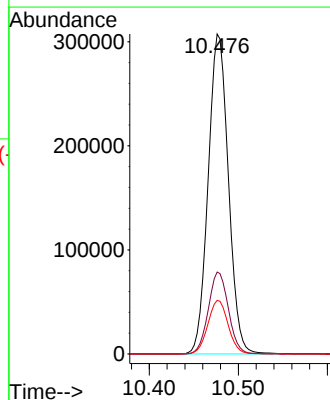
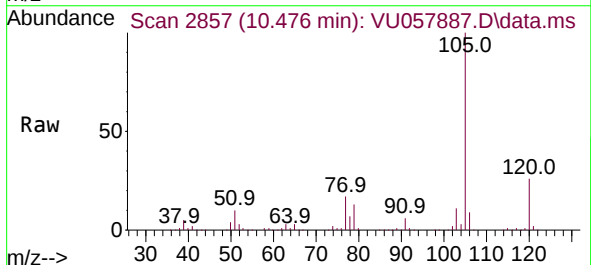
Instrument :
MSVOA_U
ClientSampleId :

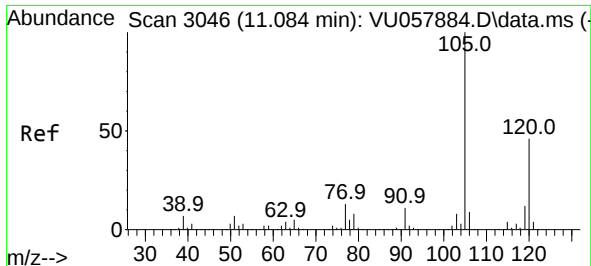
Tgt Ion: 75 Resp: 143923
Ion Ratio Lower Upper
75 100
77 32.0 25.9 38.9
110 35.3 28.3 42.5



#61
Isopropylbenzene
Concen: 46.661 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

Tgt Ion: 105 Resp: 484350
Ion Ratio Lower Upper
105 100
120 25.4 20.5 30.7
77 16.8 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 46.420 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

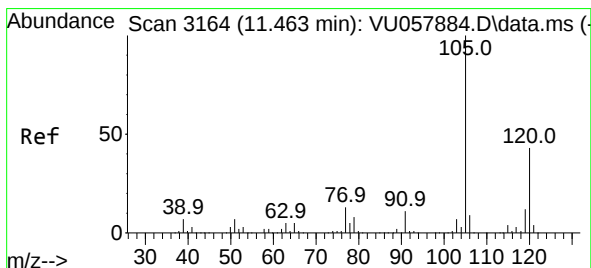
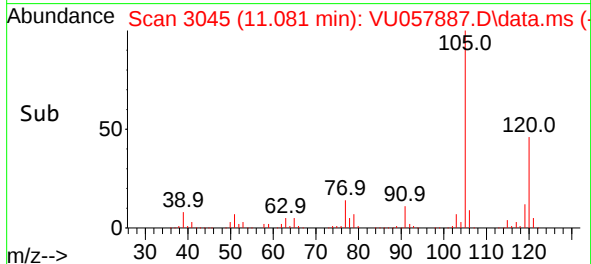
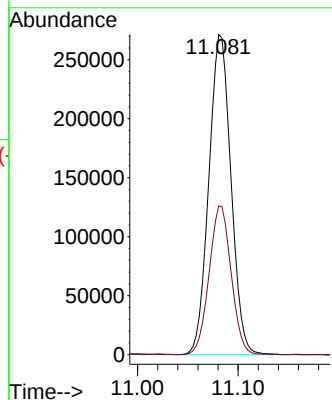
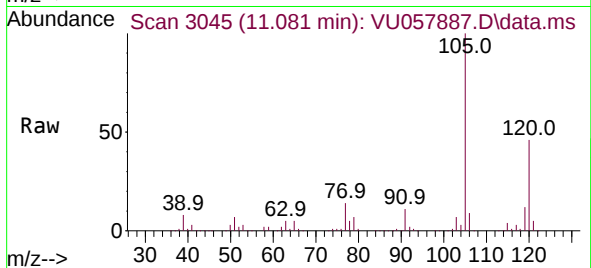
ClientSampleId :

Tgt Ion:105 Resp: 415137

Ion Ratio Lower Upper

105 100

120 46.3 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 46.698 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU057887.D

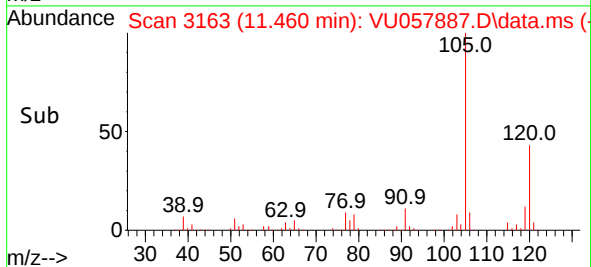
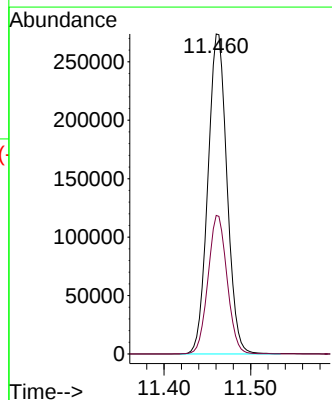
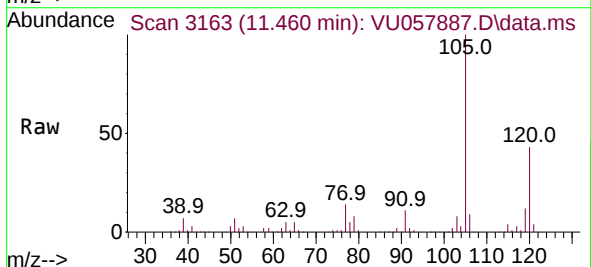
Acq: 19 Feb 2024 18:10

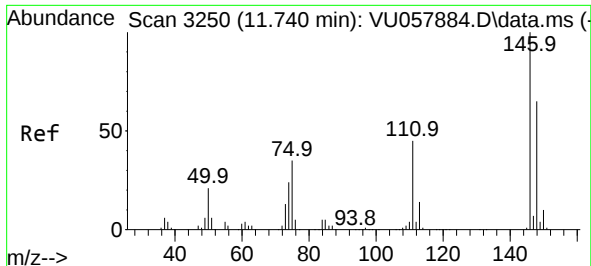
Tgt Ion:105 Resp: 419645

Ion Ratio Lower Upper

105 100

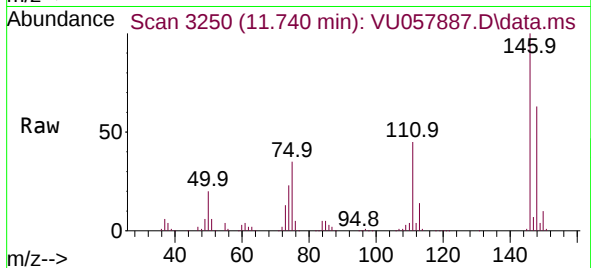
120 43.2 34.8 52.2



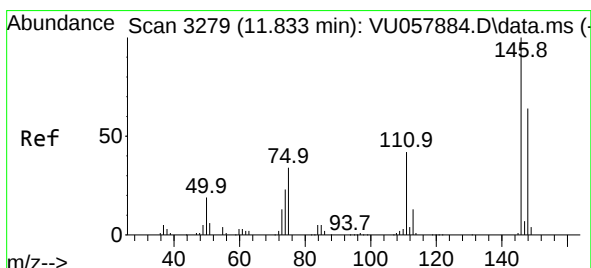
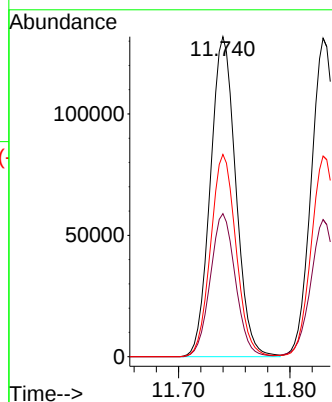
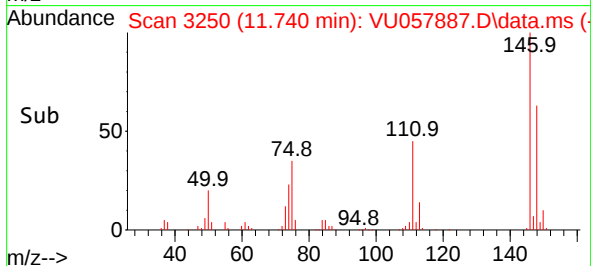


#64
1,3-Dichlorobenzene
Concen: 45.604 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10

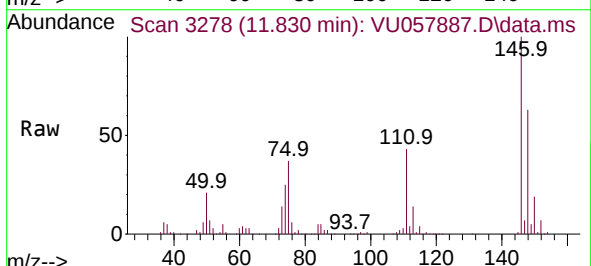
Instrument :
MSVOA_U
ClientSampleId :



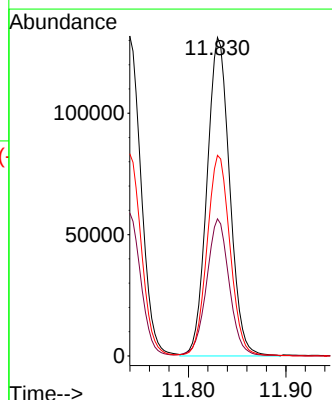
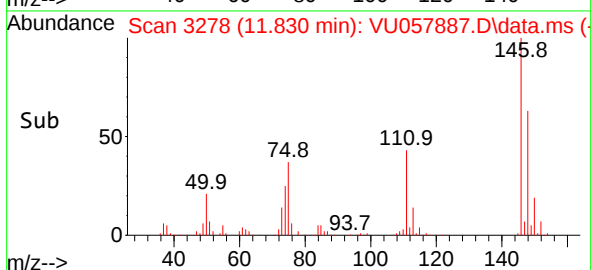
Tgt Ion:146 Resp: 209305
Ion Ratio Lower Upper
146 100
111 44.7 31.6 58.6
148 63.2 45.1 83.9

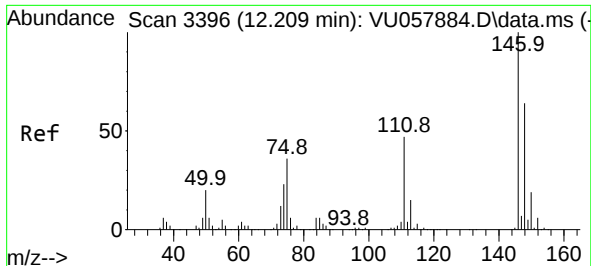


#65
1,4-Dichlorobenzene
Concen: 45.452 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057887.D
Acq: 19 Feb 2024 18:10



Tgt Ion:146 Resp: 212511
Ion Ratio Lower Upper
146 100
111 43.1 29.9 55.5
148 63.0 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 45.607 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

ClientSampleId :

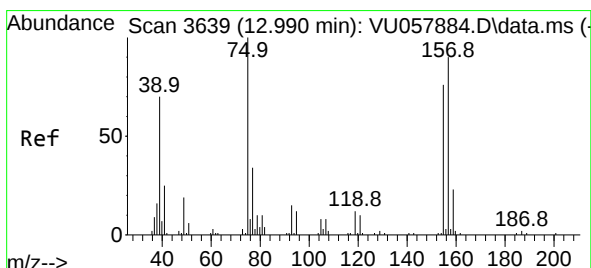
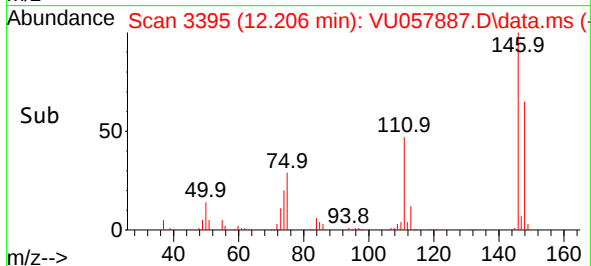
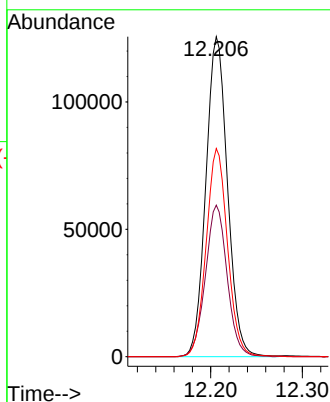
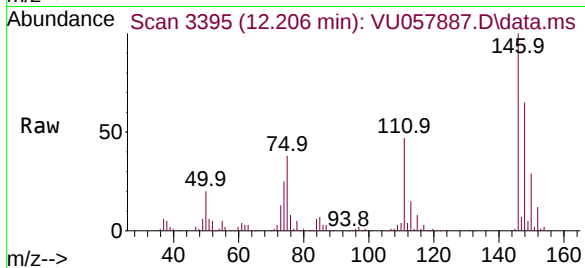
Tgt Ion:146 Resp: 205931

Ion Ratio Lower Upper

146 100

111 47.4 37.3 55.9

148 65.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 48.660 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

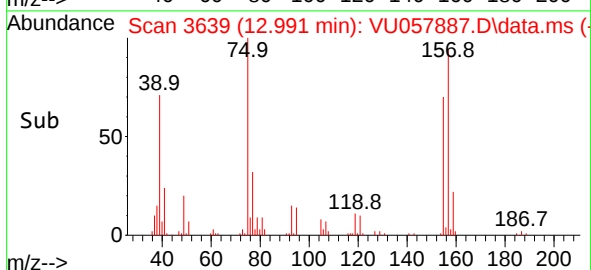
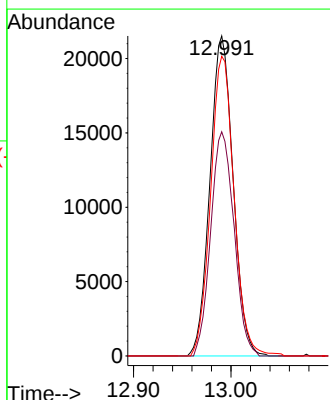
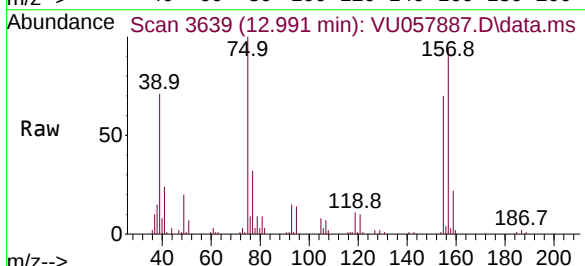
Tgt Ion: 75 Resp: 35553

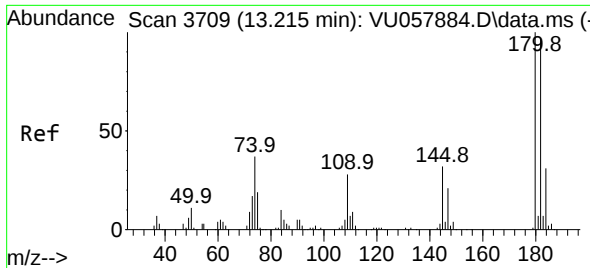
Ion Ratio Lower Upper

75 100

155 73.7 63.2 94.8

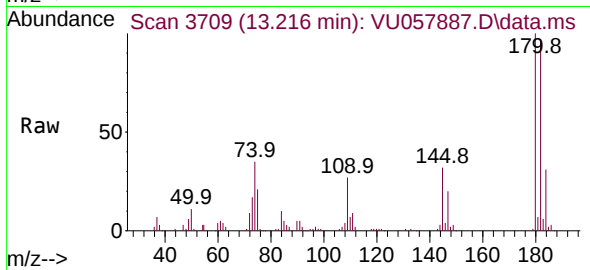
157 96.9 74.6 112.0



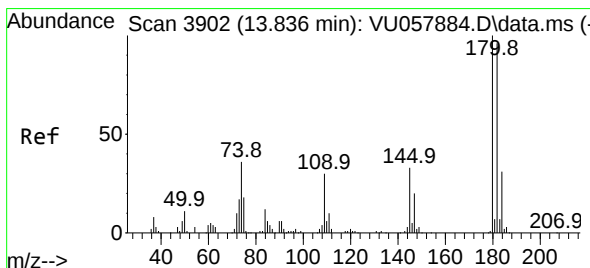
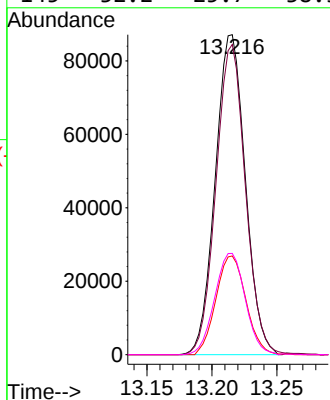
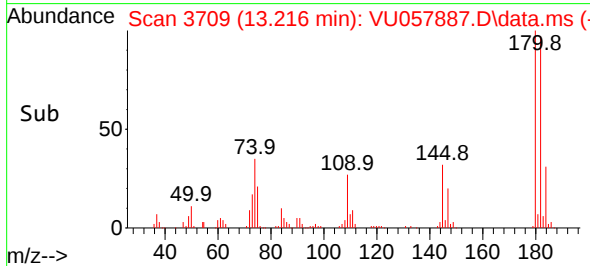


#69
 1,3,5-Trichlorobenzene
 Concen: 45.347 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU057887.D
 Acq: 19 Feb 2024 18:10

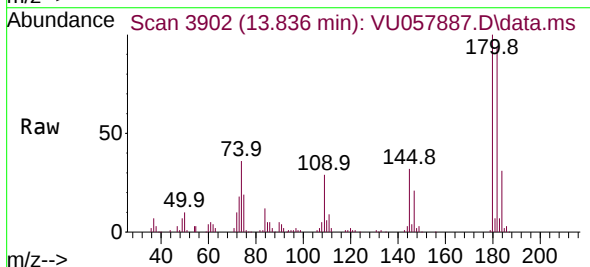
Instrument :
 MSVOA_U
 ClientSampleId :



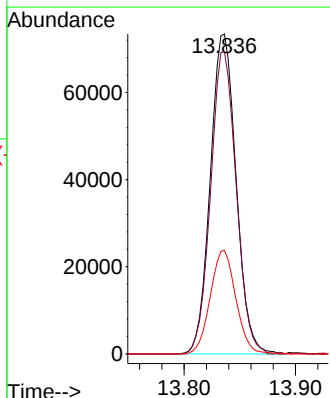
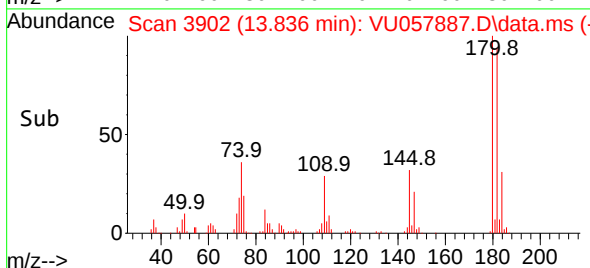
Tgt Ion:180 Resp: 139982
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.6 116.4
 184 30.9 24.1 36.1
 145 32.2 25.7 38.5

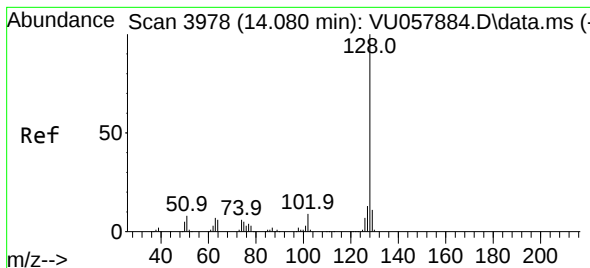


#70
 1,2,4-trichlorobenzene
 Concen: 47.542 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU057887.D
 Acq: 19 Feb 2024 18:10



Tgt Ion:180 Resp: 118162
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.8 113.6
 145 32.1 25.9 38.9





#71

Naphthalene

Concen: 50.923 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Instrument :

MSVOA_U

ClientSampleId :

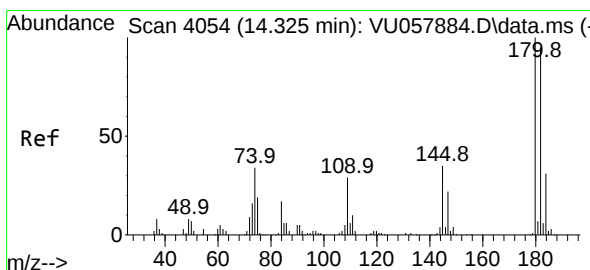
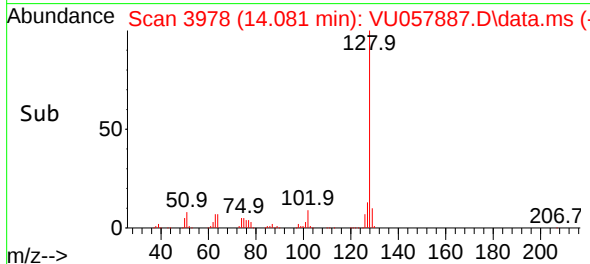
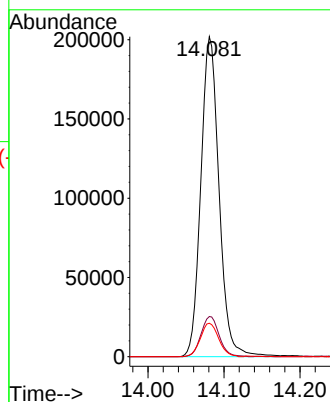
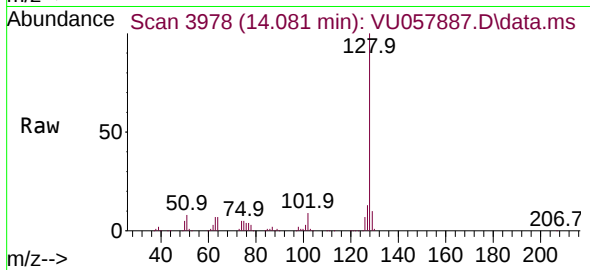
Tgt Ion:128 Resp: 336094

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.5 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 48.396 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU057887.D

Acq: 19 Feb 2024 18:10

Tgt Ion:180 Resp: 110481

Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.2

145 34.1 27.8 41.8

