

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057131.D
 Acq On : 21 Dec 2023 12:15
 Operator : MD/SY
 Sample : VSTD005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 23:05:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:04:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	175122	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	169121	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	87325	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	85315	5.531	ug/L	0.00
7) Chloroethane-d5	1.911	69	70577	6.010	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	38215	5.746	ug/L	0.00
20) 2-Butanone-d5	4.621	46	135600	46.801	ug/L	0.00
24) Chloroform-d	5.055	84	166839	5.677	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	78780	5.669	ug/L	0.00
32) Benzene-d6	5.721	84	300786	5.600	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	85925	5.183	ug/L	0.00
41) Toluene-d8	7.891	98	283250	5.836	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	34706	5.348	ug/L	0.00
46) 2-Hexanone-d5	8.627	63	124177	51.353	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	60510	5.055	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	92583	5.276	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	81886	4.522	ug/L	100
3) Chloromethane	1.518	50	64737	3.762	ug/L	100
5) Vinyl chloride	1.602	62	75355	4.310	ug/L	100
6) Bromomethane	1.856	94	29783	3.041	ug/L	100
8) Chloroethane	1.933	64	47698	4.608	ug/L	100
9) Trichlorofluoromethane	2.136	101	141404	5.447	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	72767	4.738	ug/L	100
12) 1,1-Dichloroethene	2.576	96	62527	4.465	ug/L	100
13) Acetone	2.631	43	76045	42.952	ug/L	100
14) Carbon disulfide	2.788	76	188722	3.974	ug/L	100
15) Methyl Acetate	2.949	43	18373	3.899	ug/L	100
16) Methylene chloride	3.039	84	68007	4.459	ug/L	100
17) Methyl tert-butyl Ether	3.351	73	138253	4.472	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	63654	4.487	ug/L	100
19) 1,1-Dichloroethane	3.859	63	125830	4.591	ug/L	100
21) 2-Butanone	4.698	43	113934	39.038	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	70414	4.546	ug/L	100
23) Bromochloromethane	4.968	128	28714	4.463	ug/L	100
25) Chloroform	5.078	83	140721	4.843	ug/L	100
27) 1,2-Dichloroethane	5.785	62	83423	4.835	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	135130	5.386	ug/L	100
30) Cyclohexane	5.383	56	90594	4.104	ug/L	100
31) Carbon tetrachloride	5.518	117	117975	5.398	ug/L	100
33) Benzene	5.766	78	269059	4.603	ug/L	100
34) Trichloroethene	6.534	95	76156	4.707	ug/L	100
35) Methylcyclohexane	6.756	83	104647	4.427	ug/L	100
37) 1,2-Dichloropropane	6.785	63	67044	4.501	ug/L	100
38) Bromodichloromethane	7.097	83	95559	4.914	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	98227	4.518	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	292864	41.938	ug/L	100
42) Toluene	7.962	91	291734	4.786	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	86083	4.767	ug/L	100

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 MSVOA_U
 ClientSampleId :

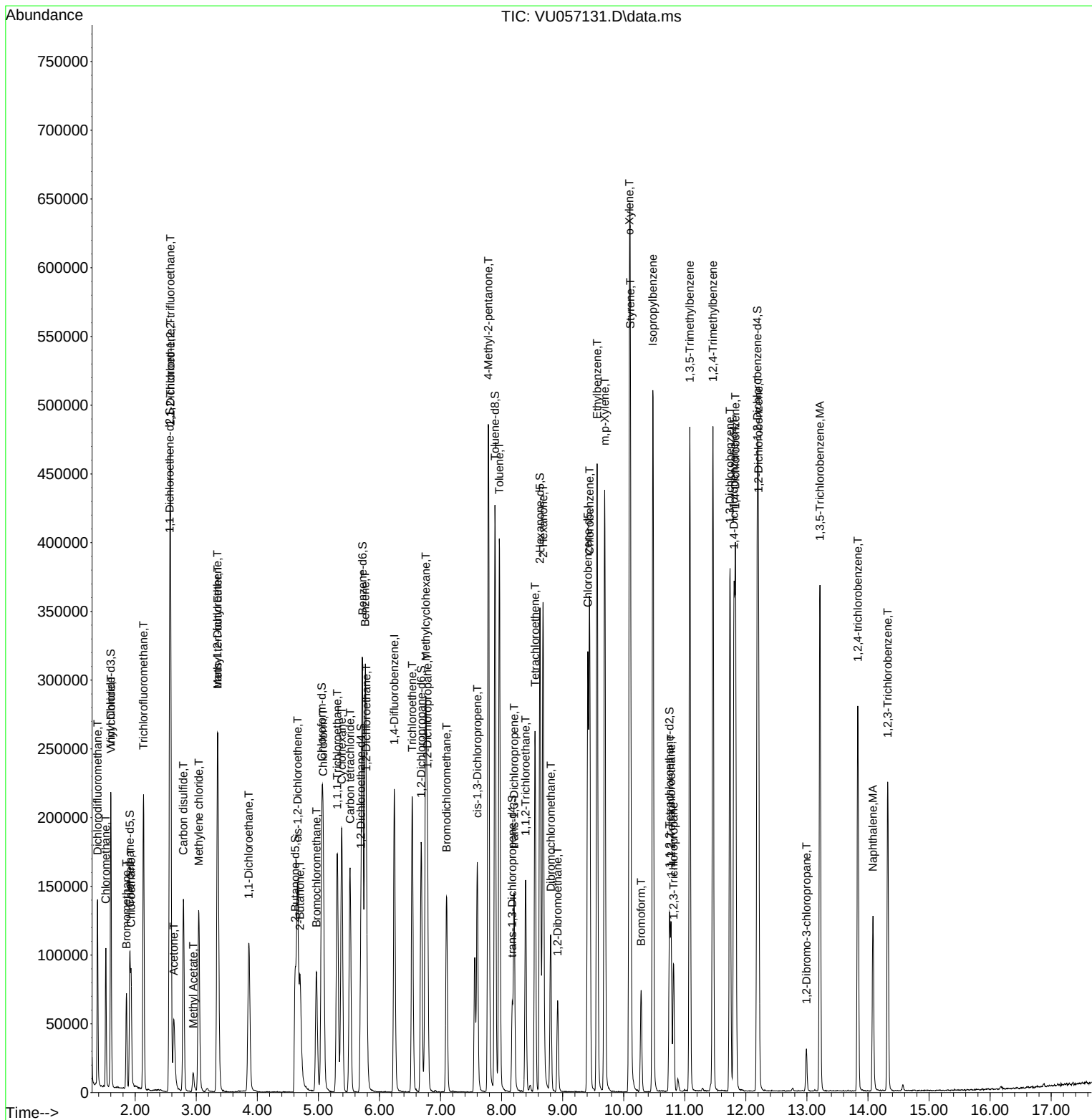
Quant Time: Dec 21 23:05:46 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:04:21 2023
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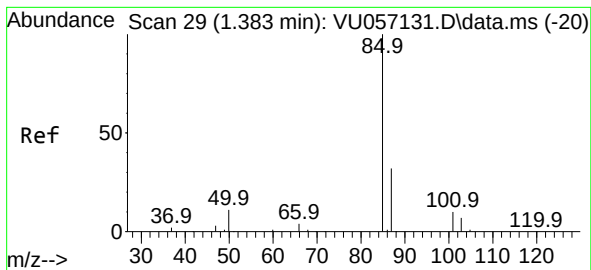
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.393	97	45128	4.483	ug/L	100
47) Tetrachloroethene	8.547	164	55525	4.861	ug/L	100
48) 2-Hexanone	8.679	43	215722	43.170	ug/L	100
49) Dibromochloromethane	8.804	129	58666	4.952	ug/L	100
50) 1,2-Dibromoethane	8.917	107	42517	4.553	ug/L	100
51) Chlorobenzene	9.441	112	181549	4.666	ug/L	100
52) Ethylbenzene	9.563	91	318671	4.739	ug/L	100
53) m,p-Xylene	9.689	106	121179	4.830	ug/L	100
54) o-Xylene	10.094	106	115514	4.831	ug/L	100
55) Styrene	10.110	104	197553	5.028	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	55557	4.527	ug/L	100
59) Bromoform	10.283	173	32611	4.605	ug/L	100
60) Isopropylbenzene	10.476	105	327777	4.794	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	38947	4.254	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	262519	4.694	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	262749	4.737	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	149836	4.627	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	149468	4.639	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	134232	4.531	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	9064	4.806	ug/L	100
69) 1,3,5-Trichlorobenzene	13.213	180	108864	4.431	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	82578	4.252	ug/L	100
71) Naphthalene	14.081	128	106240	3.760	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	65204	3.979	ug/L	100

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

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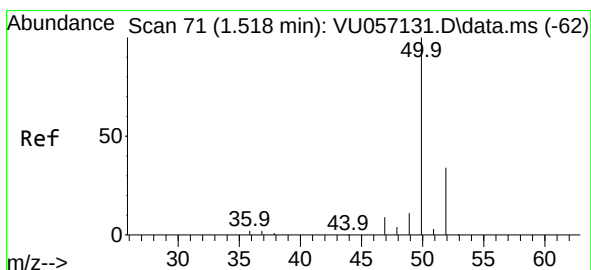
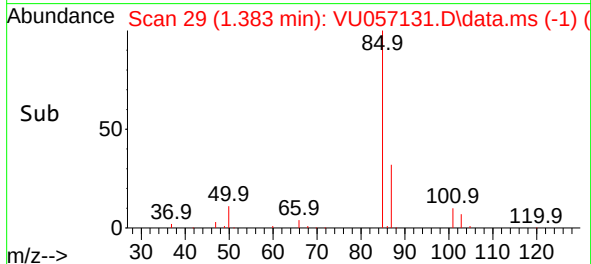
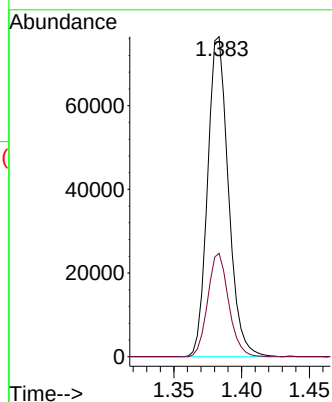
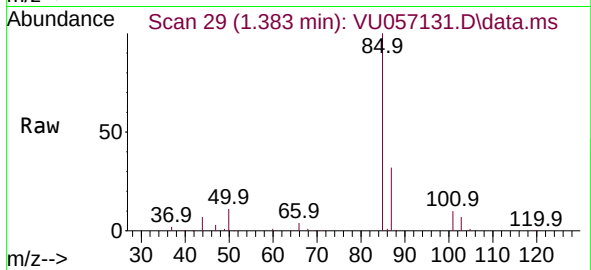




#2
 Dichlorodifluoromethane
 Concen: 4.522 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057131.D
 Acq: 21 Dec 2023 12:15

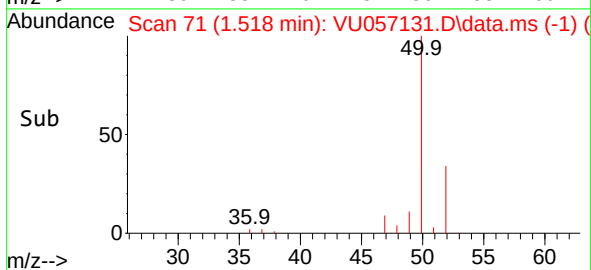
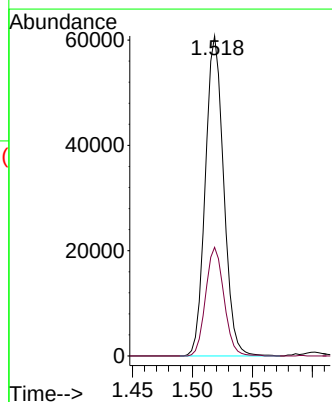
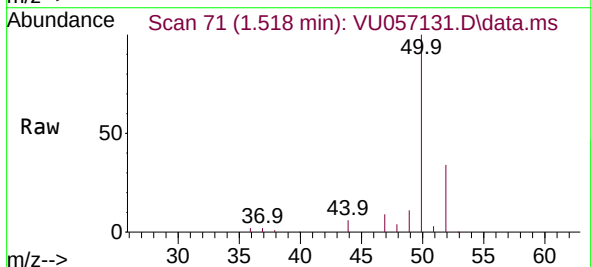
Instrument :
 MSVOA_U
 ClientSampleId :

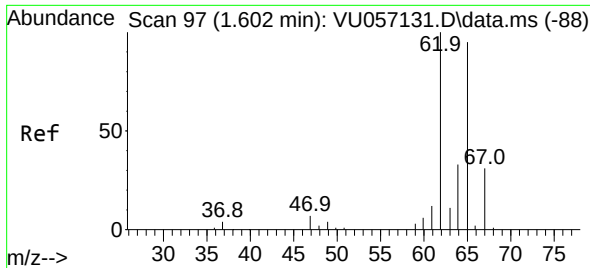
Tgt Ion: 85 Resp: 81886
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 3.762 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057131.D
 Acq: 21 Dec 2023 12:15

Tgt Ion: 50 Resp: 64737
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.7 44.1

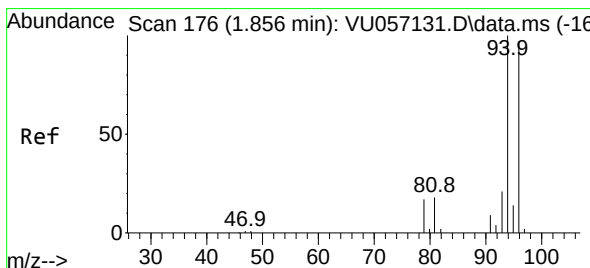
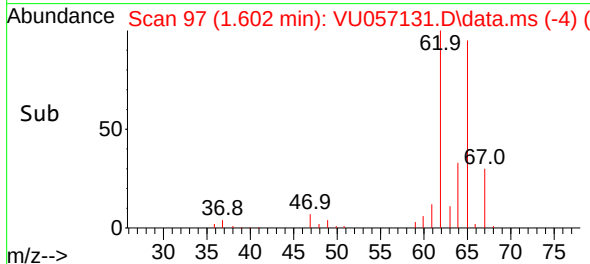
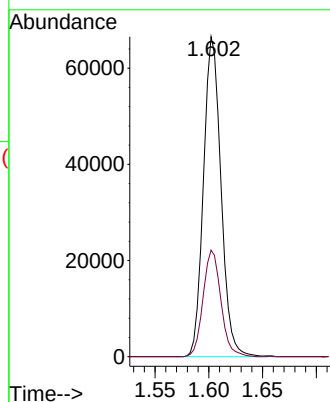
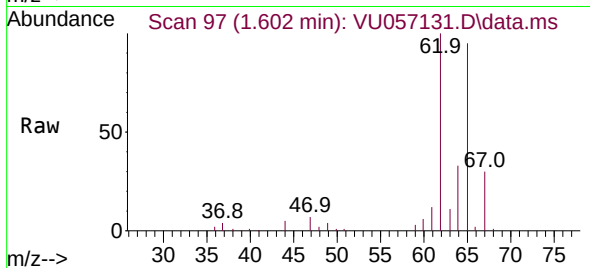




#5
 Vinyl chloride
 Concen: 4.310 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057131.D
 Acq: 21 Dec 2023 12:15

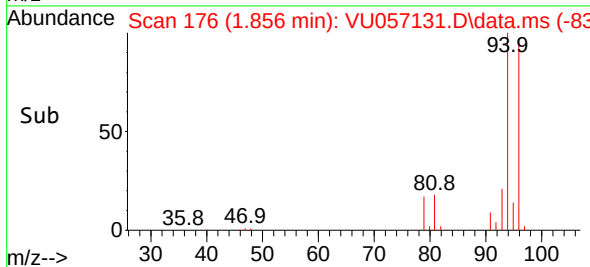
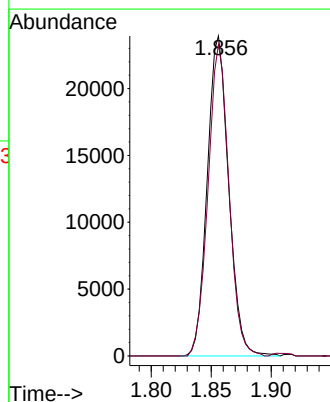
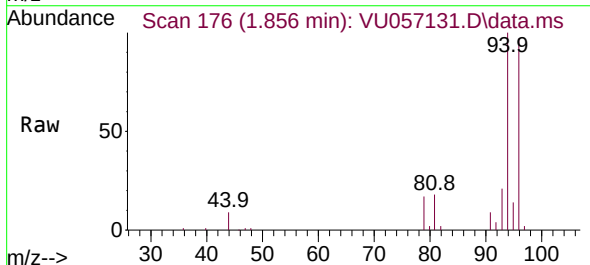
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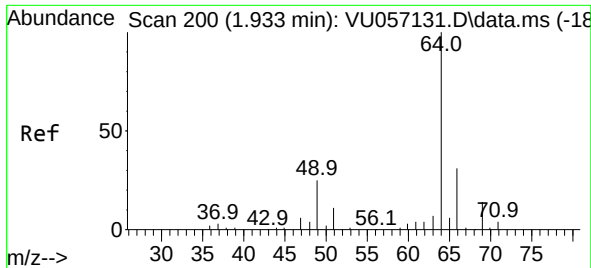
Tgt Ion: 62 Resp: 75355
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.3 43.3



#6
 Bromomethane
 Concen: 3.041 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU057131.D
 Acq: 21 Dec 2023 12:15

Tgt Ion: 94 Resp: 29783
 Ion Ratio Lower Upper
 94 100
 96 97.4 68.2 126.6





#8

Chloroethane

Concen: 4.608 ug/L

RT: 1.933 min Scan# 200

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Instrument :

MSVOA_U

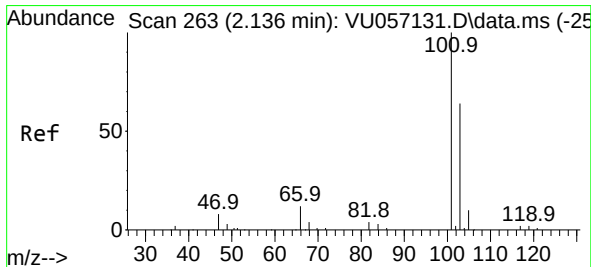
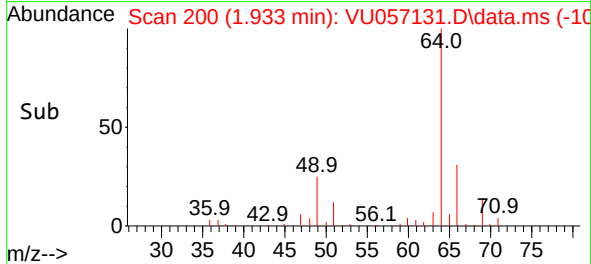
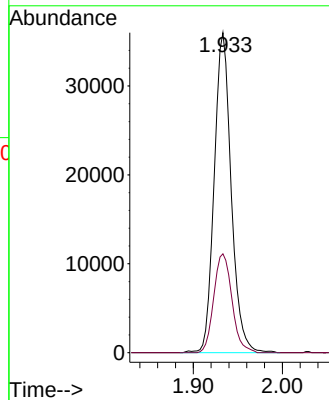
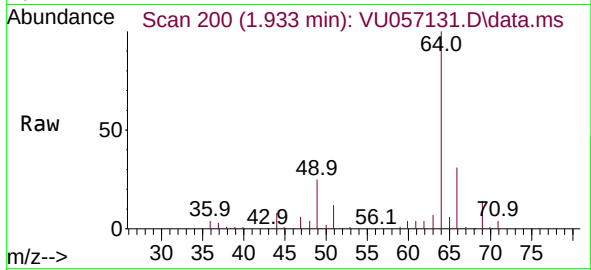
ClientSampleId :

Tgt Ion: 64 Resp: 47698

Ion Ratio Lower Upper

64 100

66 30.9 21.6 40.2



#9

Trichlorofluoromethane

Concen: 5.447 ug/L

RT: 2.136 min Scan# 263

Delta R.T. 0.000 min

Lab File: VU057131.D

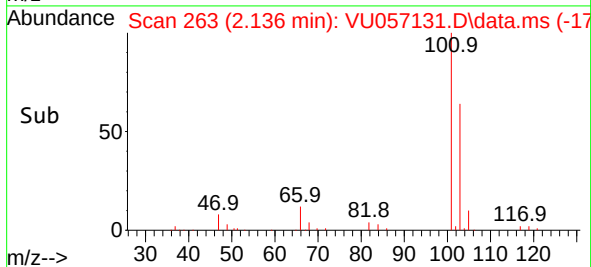
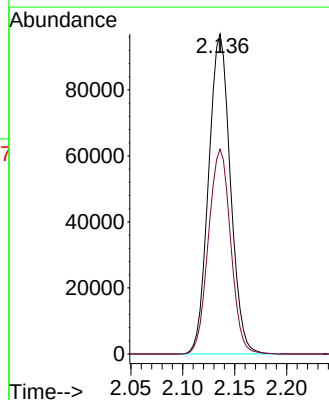
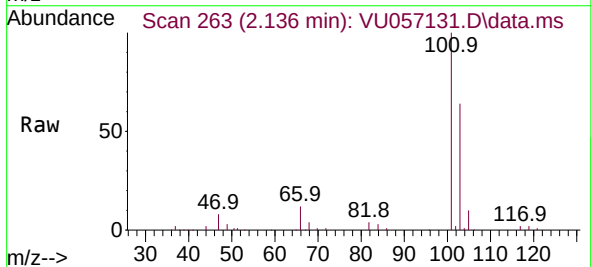
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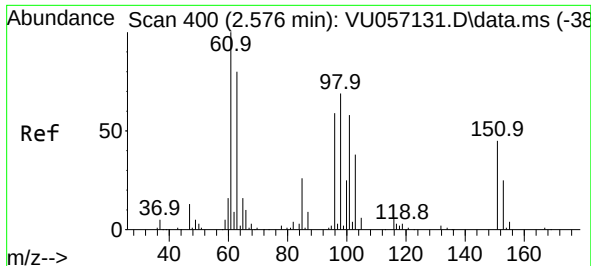
Tgt Ion:101 Resp: 141404

Ion Ratio Lower Upper

101 100

103 65.1 52.1 78.1

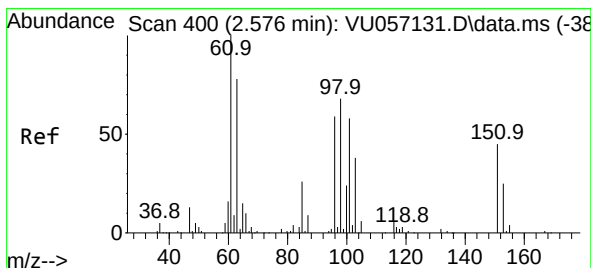
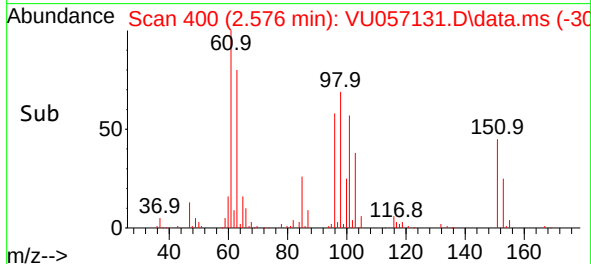
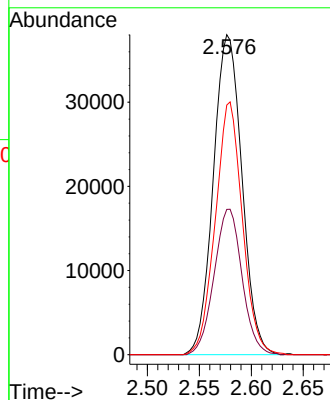
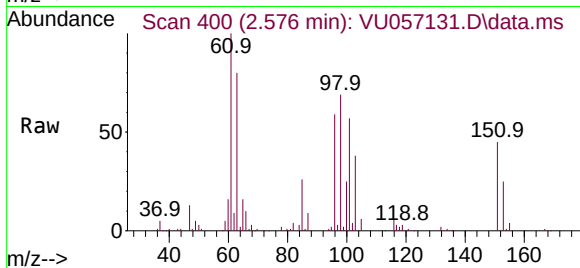




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.738 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057131.D
 Acq: 21 Dec 2023 12:15

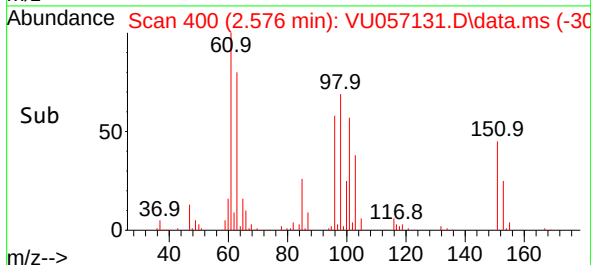
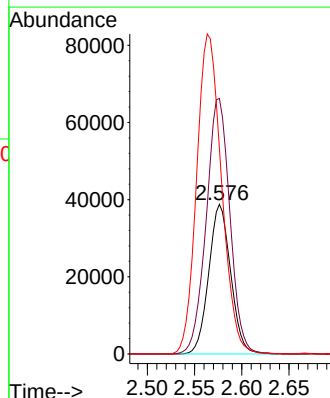
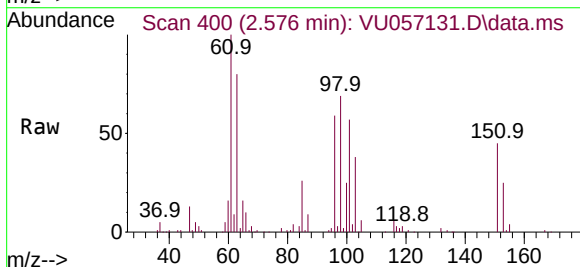
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 MSVOA_U
 ClientSampleId :

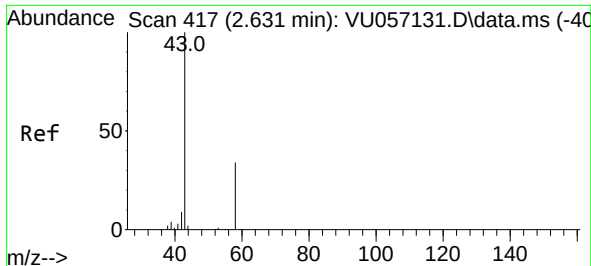
Tgt Ion:	101	Resp:	72767
Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.6	53.4
151	74.9	59.9	89.9



#12
 1,1-Dichloroethene
 Concen: 4.465 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057131.D
 Acq: 21 Dec 2023 12:15

Tgt Ion:	96	Resp:	62527
Ion	Ratio	Lower	Upper
96	100		
61	170.8	119.6	222.0
63	137.5	96.2	178.8





#13

Acetone

Concen: 42.952 ug/L

RT: 2.631 min Scan# 417

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Instrument :

MSVOA_U

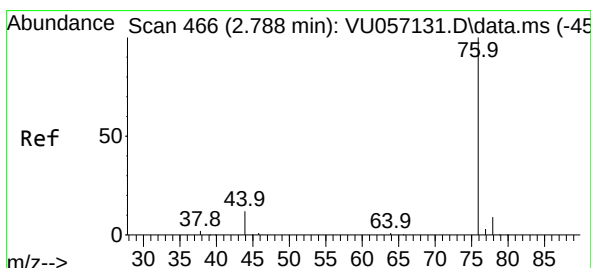
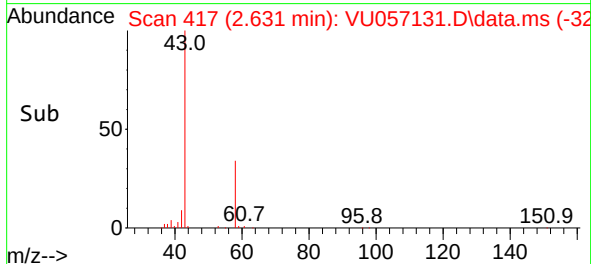
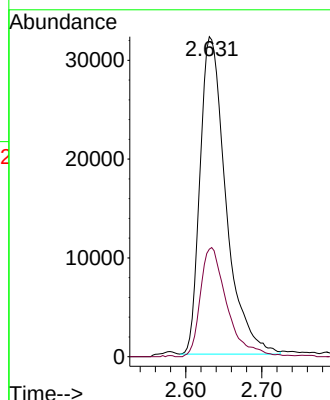
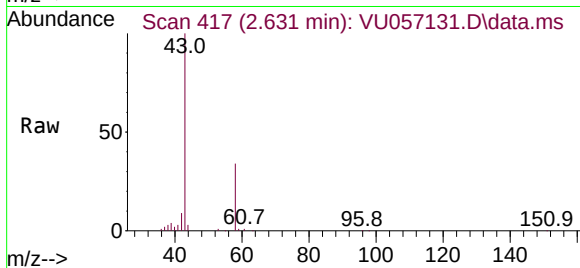
ClientSampleId :

Tgt Ion: 43 Resp: 76045

Ion Ratio Lower Upper

43 100

58 35.4 0.0 70.8



#14

Carbon disulfide

Concen: 3.974 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057131.D

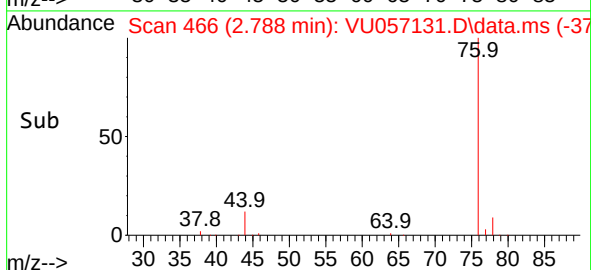
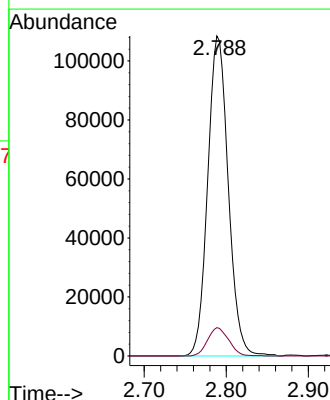
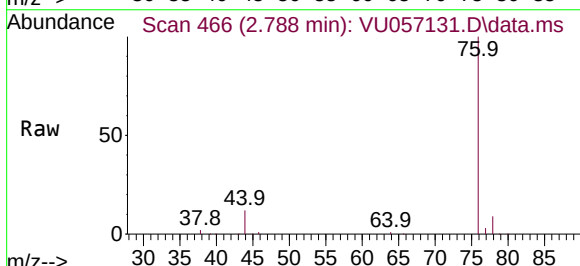
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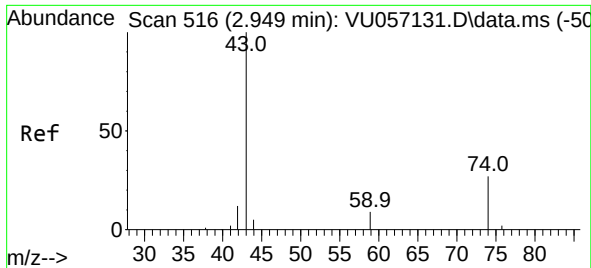
Tgt Ion: 76 Resp: 188722

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

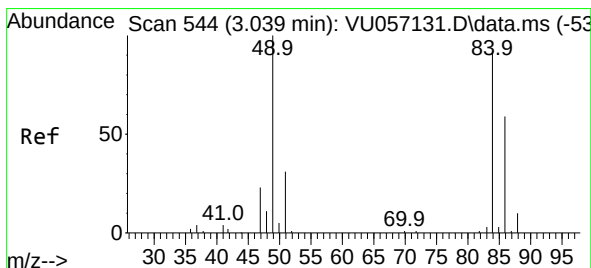
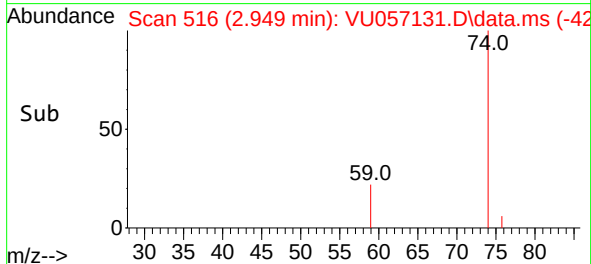
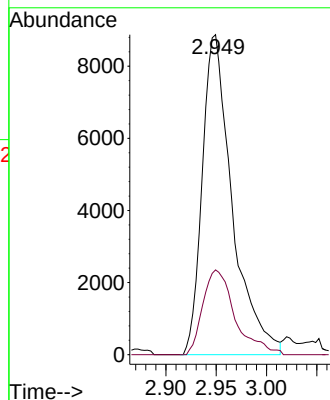
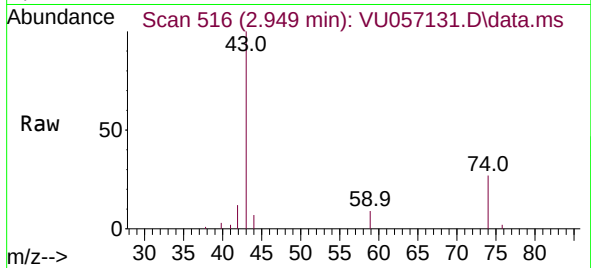




#15
Methyl Acetate
Concen: 3.899 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

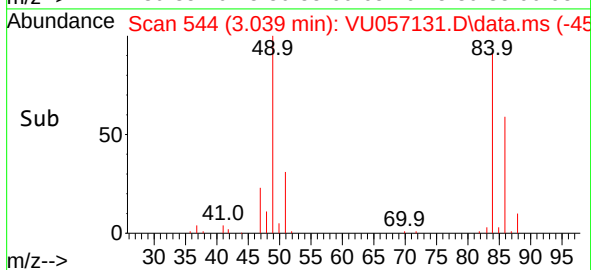
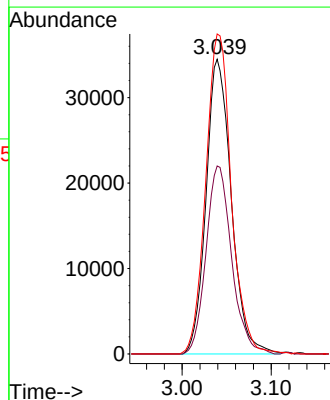
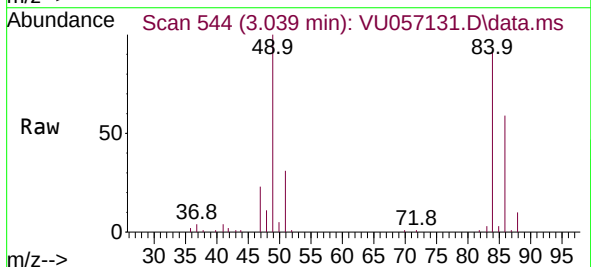
Instrument :
MSVOA_U
ClientSampleId :

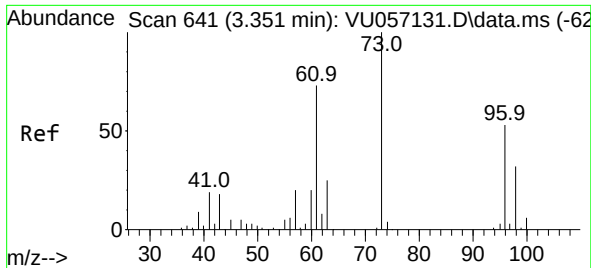
Tgt Ion: 43 Resp: 18373
Ion Ratio Lower Upper
43 100
74 28.5 22.8 34.2



#16
Methylene chloride
Concen: 4.459 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

Tgt Ion: 84 Resp: 68007
Ion Ratio Lower Upper
84 100
86 63.8 44.7 82.9
49 108.6 76.0 141.2

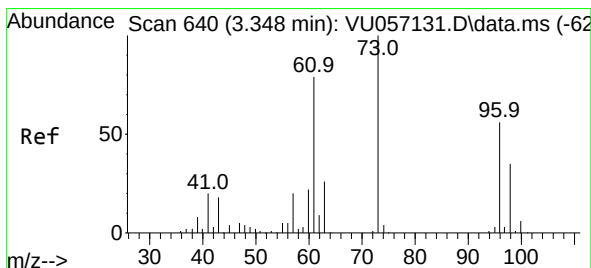
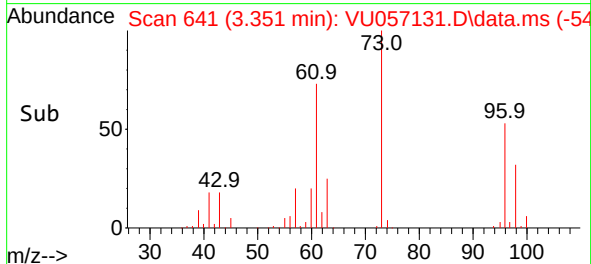
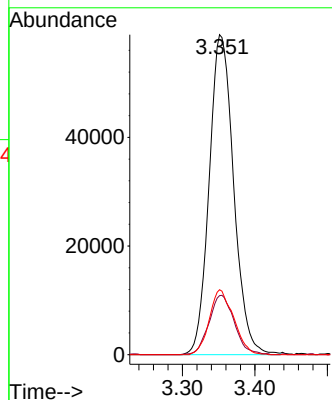
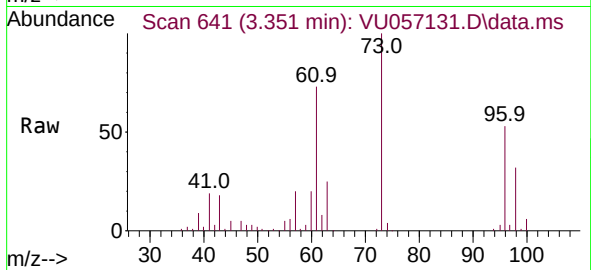




#17
Methyl tert-butyl Ether
Concen: 4.472 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

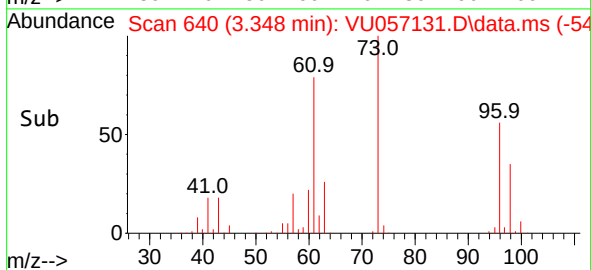
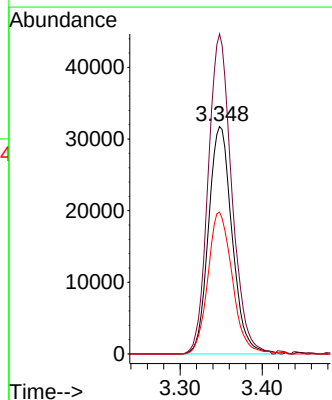
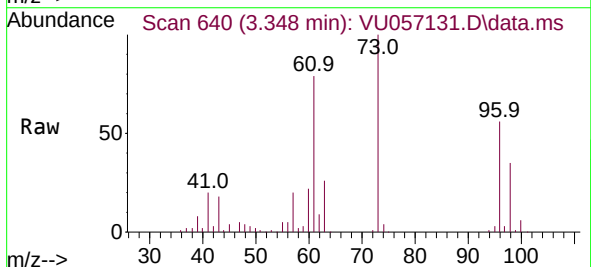
Instrument :
MSVOA_U
ClientSampleId :

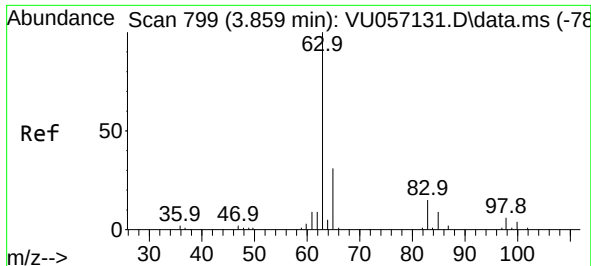
Tgt Ion: 73 Resp: 138253
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.0
57 20.2 16.2 24.2



#18
trans-1,2-Dichloroethene
Concen: 4.487 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

Tgt Ion: 96 Resp: 63654
Ion Ratio Lower Upper
96 100
61 140.6 98.4 182.8
98 62.3 43.6 81.0

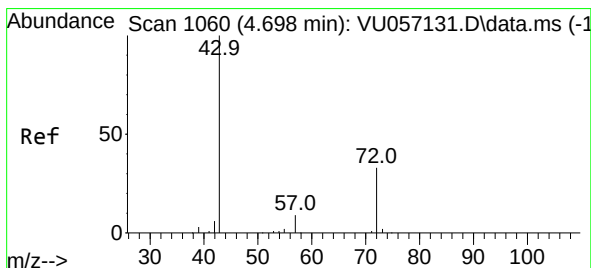
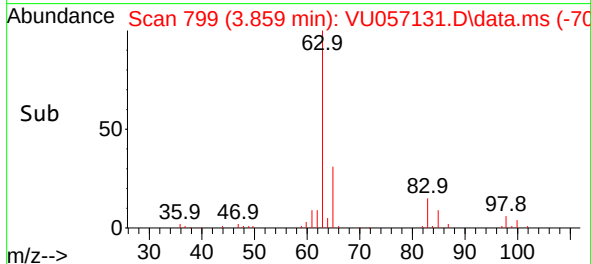
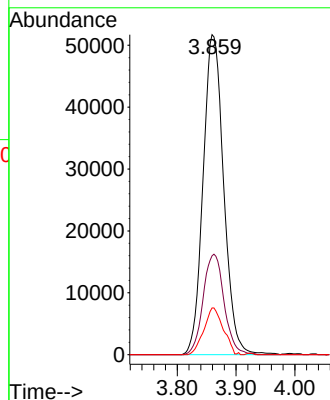
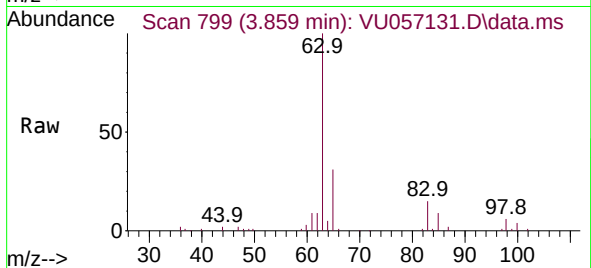




#19
1,1-Dichloroethane
Concen: 4.591 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

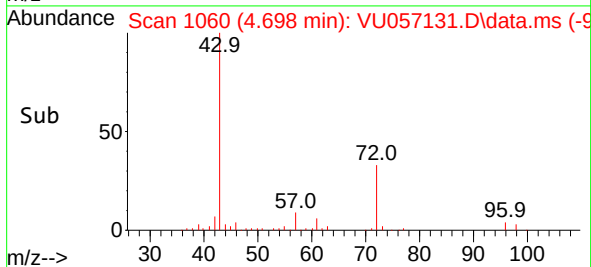
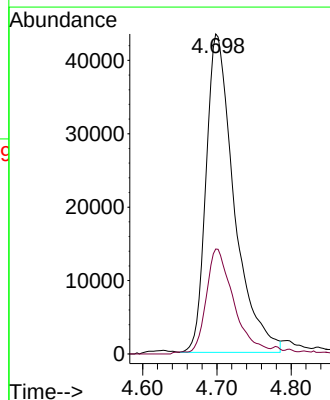
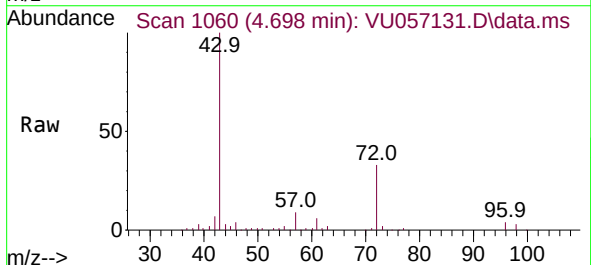
Instrument :
MSVOA_U
ClientSampleId :

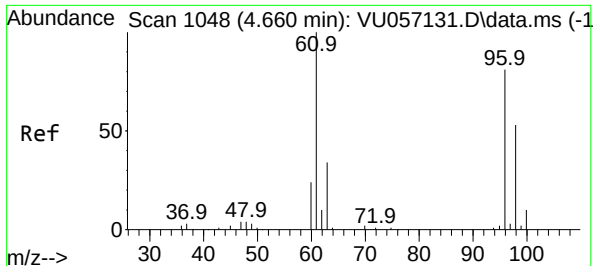
Tgt Ion: 63 Resp: 125830
Ion Ratio Lower Upper
63 100
65 30.9 21.6 40.2
83 14.6 10.2 19.0



#21
2-Butanone
Concen: 39.038 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

Tgt Ion: 43 Resp: 113934
Ion Ratio Lower Upper
43 100
72 32.5 16.3 48.8

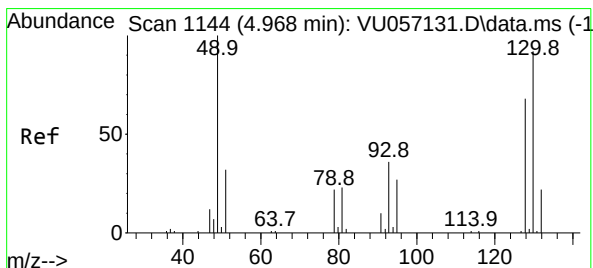
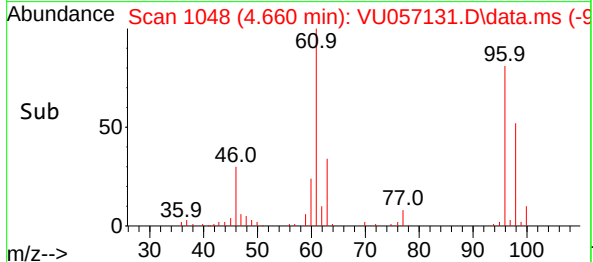
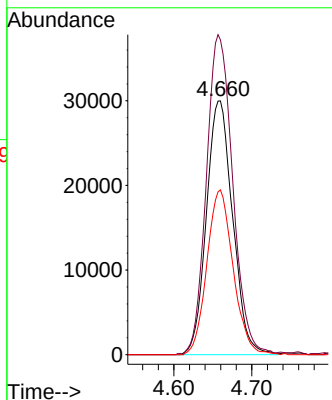
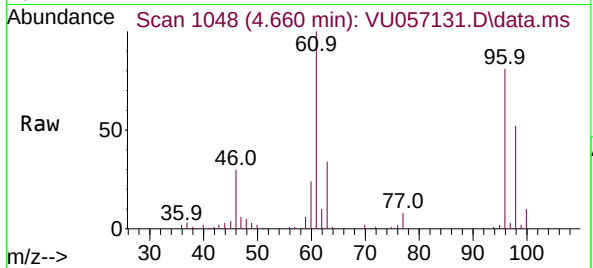




#22
 cis-1,2-Dichloroethene
 Concen: 4.546 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU057131.D
 Acq: 21 Dec 2023 12:15

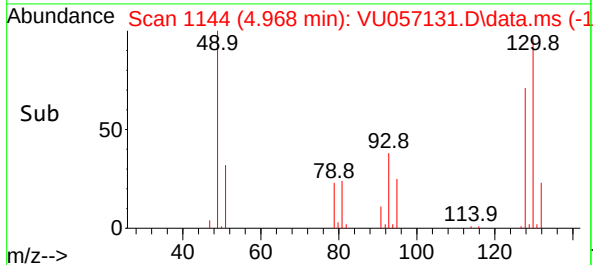
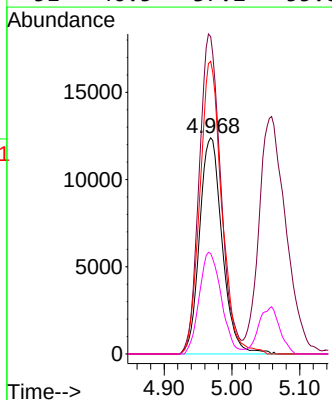
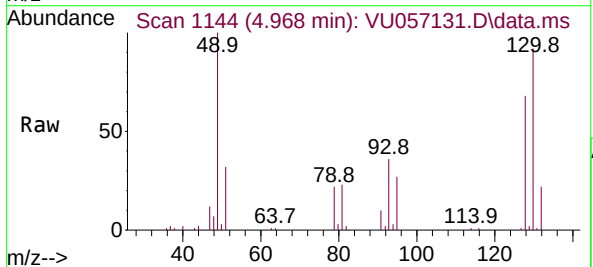
Instrument :
 MSVOA_U
 ClientSampleId :

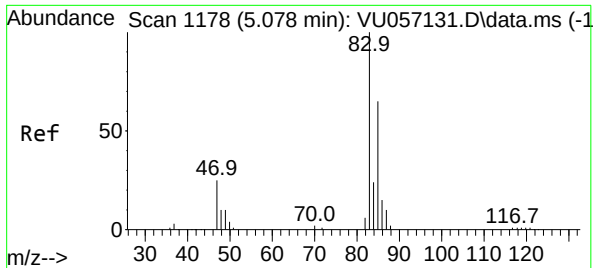
Tgt Ion: 96 Resp: 70414
 Ion Ratio Lower Upper
 96 100
 61 124.0 86.8 161.2
 98 65.0 45.5 84.5



#23
 Bromochloromethane
 Concen: 4.463 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU057131.D
 Acq: 21 Dec 2023 12:15

Tgt Ion: 128 Resp: 28714
 Ion Ratio Lower Upper
 128 100
 49 146.7 102.7 190.7
 130 135.3 94.7 175.9
 51 46.5 37.2 55.8





#25

Chloroform

Concen: 4.843 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Instrument :

MSVOA_U

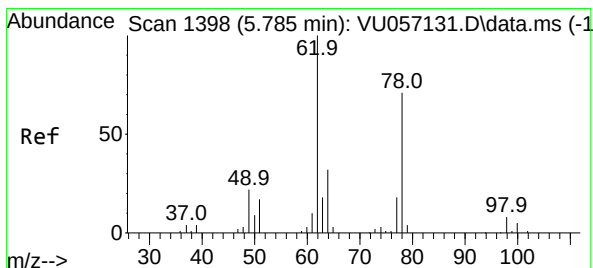
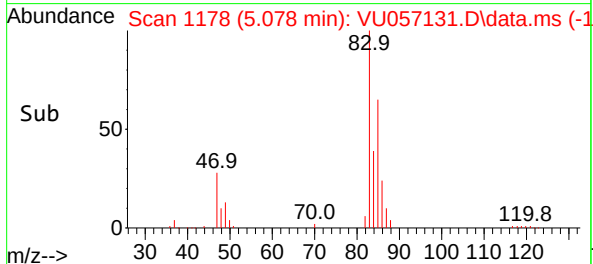
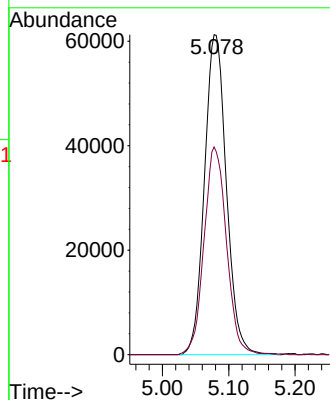
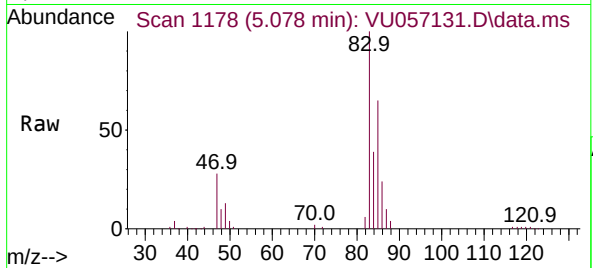
ClientSampleId :

Tgt Ion: 83 Resp: 140721

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4



#27

1,2-Dichloroethane

Concen: 4.835 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU057131.D

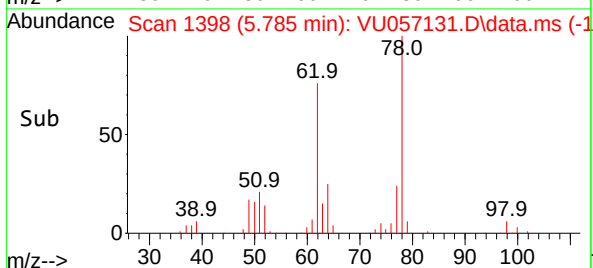
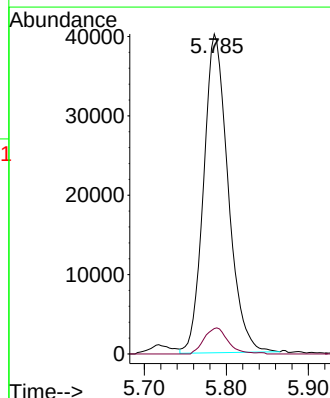
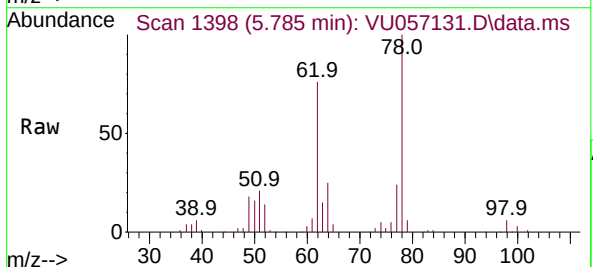
Acq: 21 Dec 2023 12:15

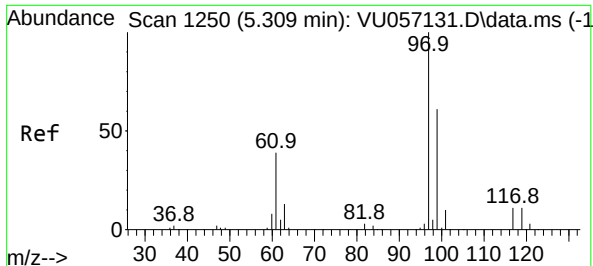
Tgt Ion: 62 Resp: 83423

Ion Ratio Lower Upper

62 100

98 7.9 6.3 9.5

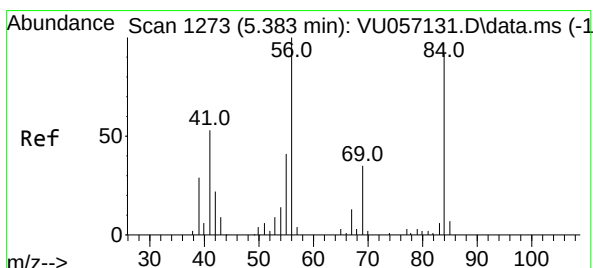
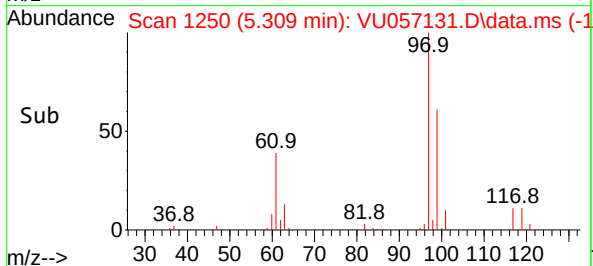
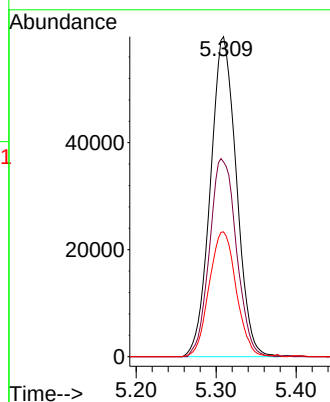
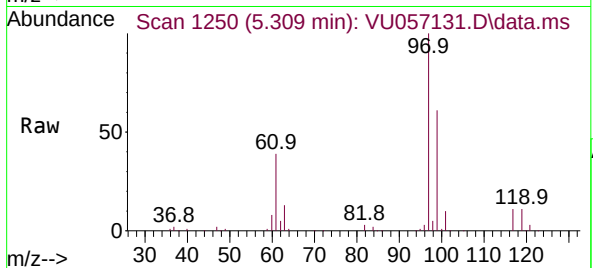




#29
1,1,1-Trichloroethane
Concen: 5.386 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

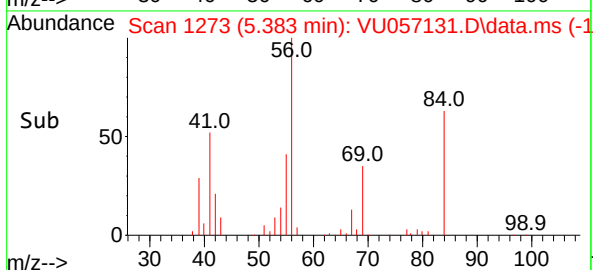
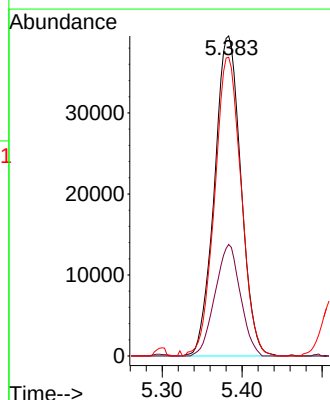
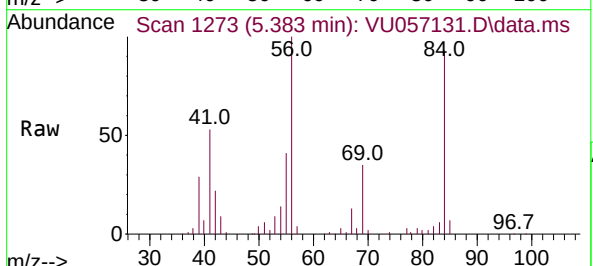
Instrument :
MSVOA_U
ClientSampleId :

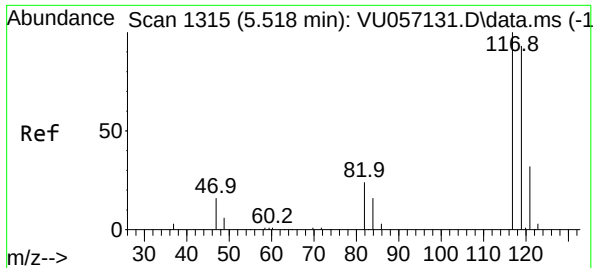
Tgt Ion: 97 Resp: 135130
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 40.6 32.5 48.7



#30
Cyclohexane
Concen: 4.104 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

Tgt Ion: 56 Resp: 90594
Ion Ratio Lower Upper
56 100
69 33.4 26.7 40.1
84 93.6 74.9 112.3

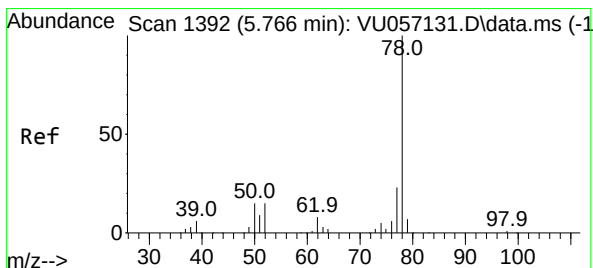
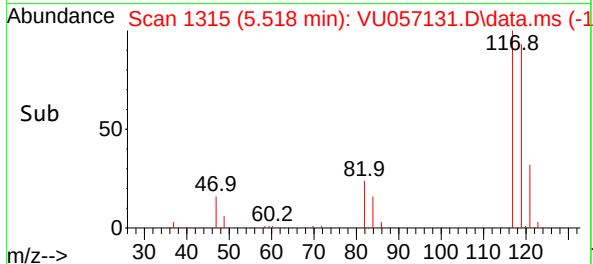
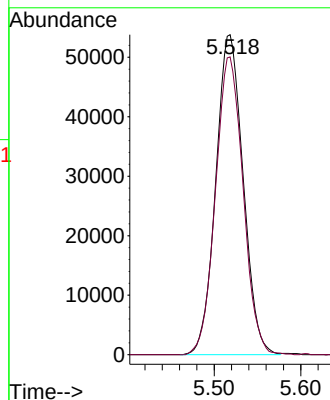
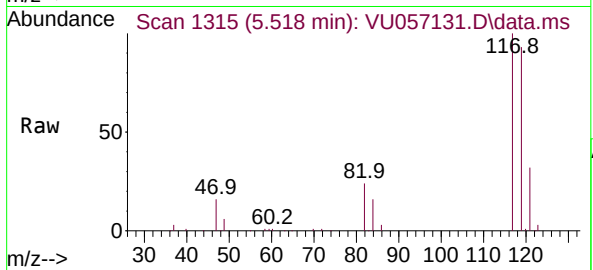




#31
Carbon tetrachloride
Concen: 5.398 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

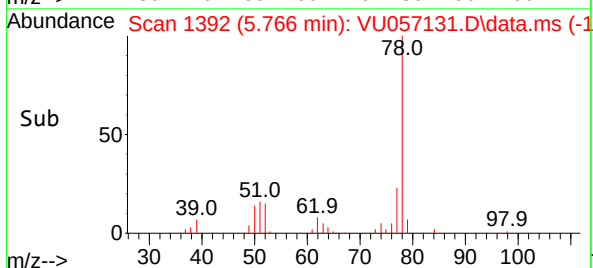
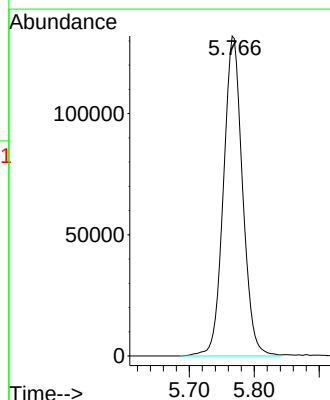
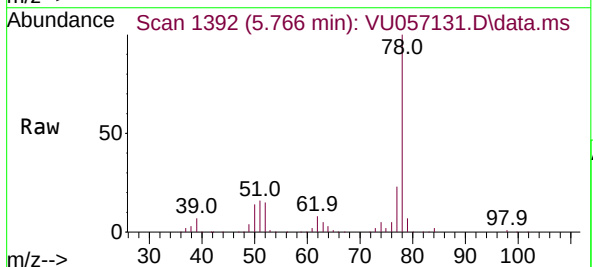
Instrument :
MSVOA_U
ClientSampleId :

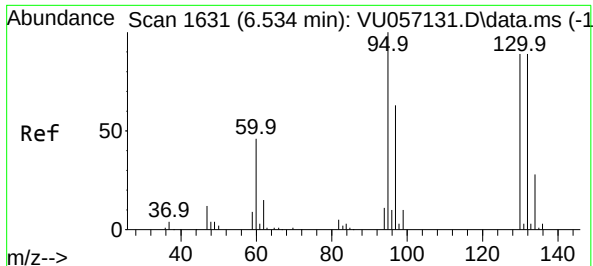
Tgt Ion:117 Resp: 117975
Ion Ratio Lower Upper
117 100
119 93.9 75.1 112.7



#33
Benzene
Concen: 4.603 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

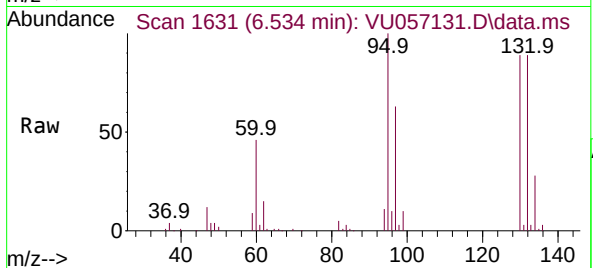
Tgt Ion: 78 Resp: 269059



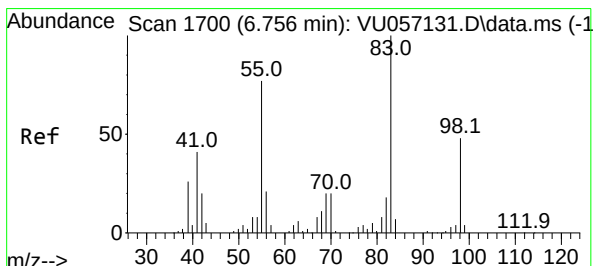
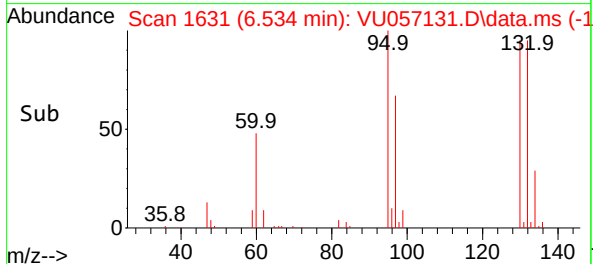
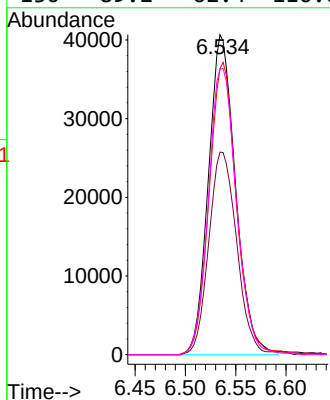


#34
Trichloroethene
Concen: 4.707 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

Instrument :
MSVOA_U
ClientSampleId :

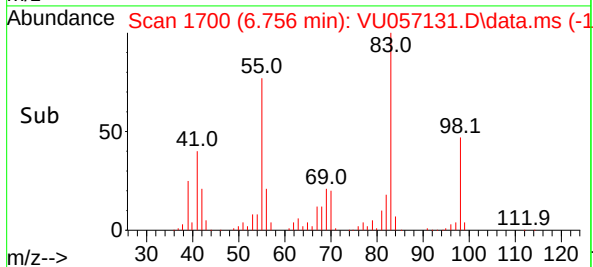
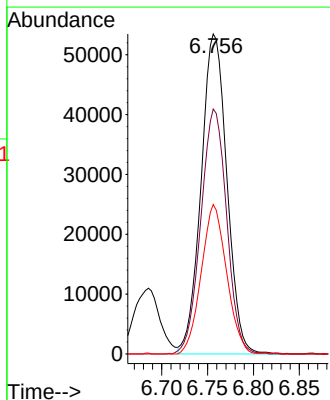
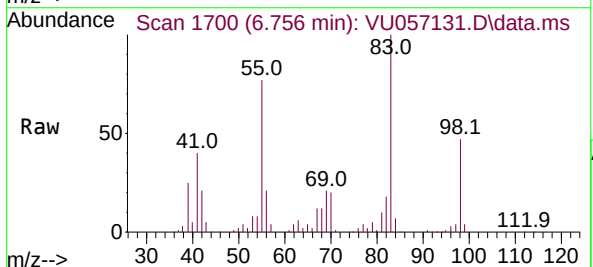


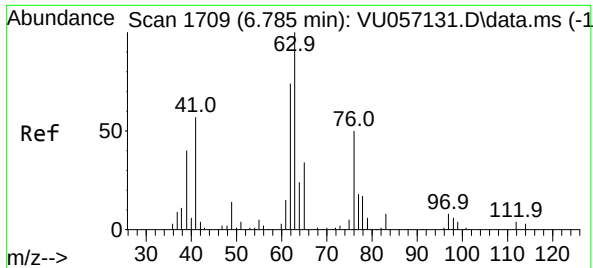
Tgt Ion:	95	Resp:	76156
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.3	82.3
132	89.4	62.6	116.2
130	89.2	62.4	116.0



#35
Methylcyclohexane
Concen: 4.427 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

Tgt Ion:	83	Resp:	104647
Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	45.8	36.6	55.0

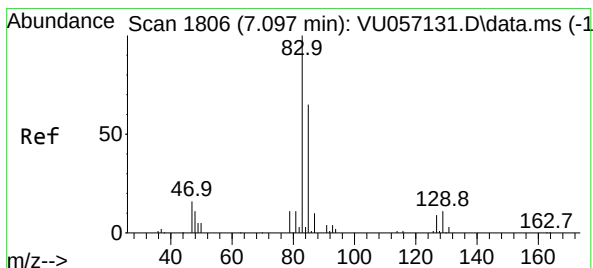
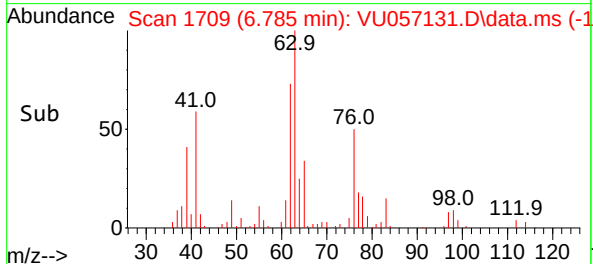
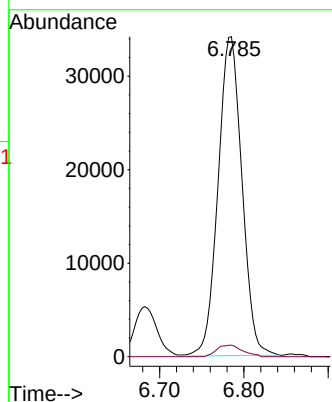
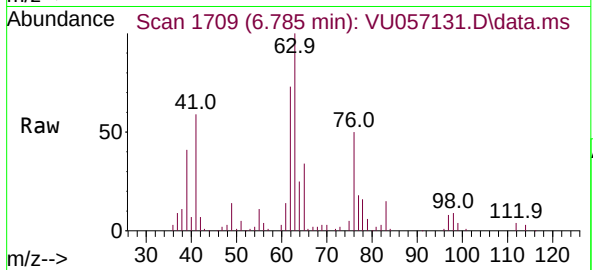




#37
1,2-Dichloropropane
Concen: 4.501 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

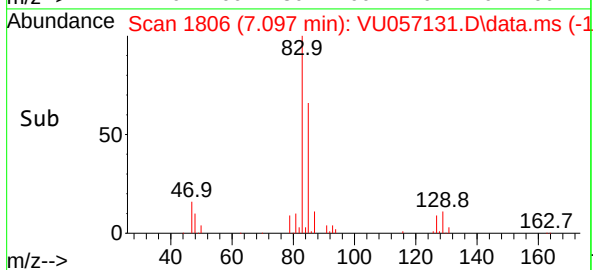
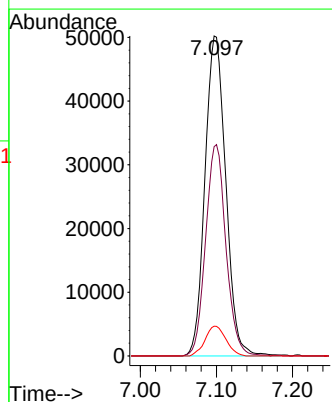
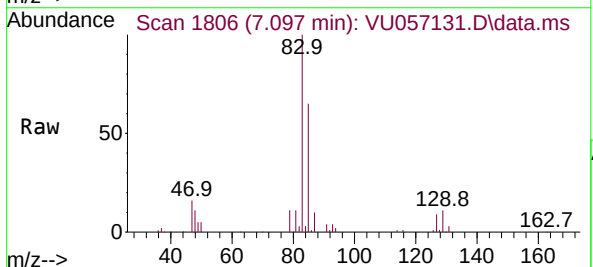
Instrument :
MSVOA_U
ClientSampleId :

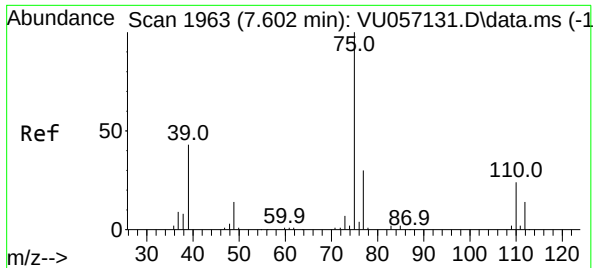
Tgt Ion: 63 Resp: 67044
Ion Ratio Lower Upper
63 100
112 3.9 3.1 4.7



#38
Bromodichloromethane
Concen: 4.914 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

Tgt Ion: 83 Resp: 95559
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.0
127 9.3 7.4 11.2

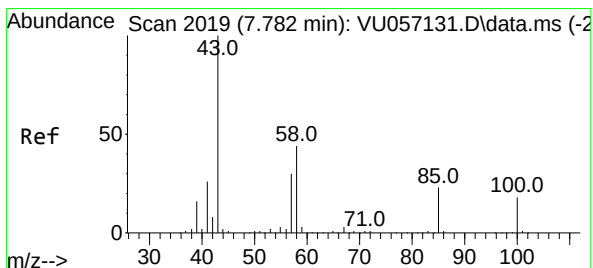
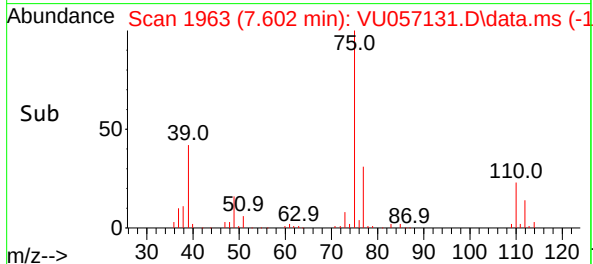
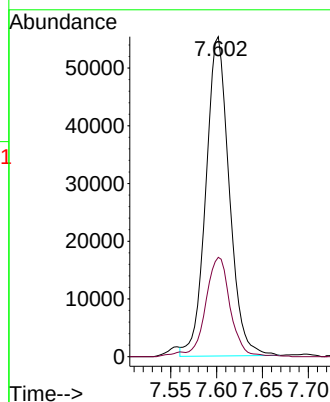
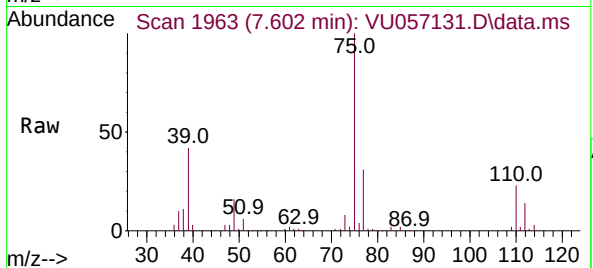




#39
cis-1,3-Dichloropropene
Concen: 4.518 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

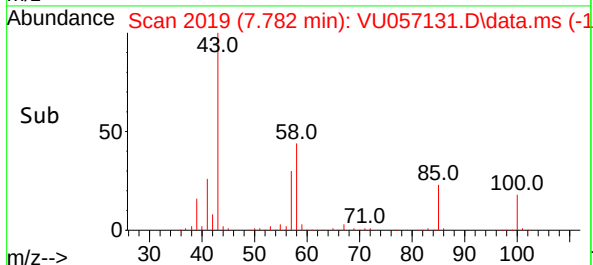
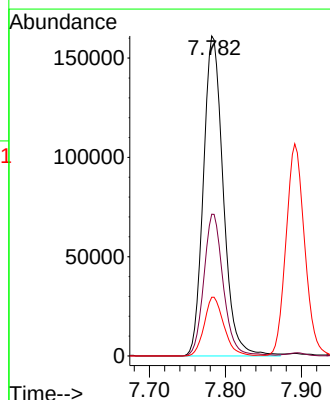
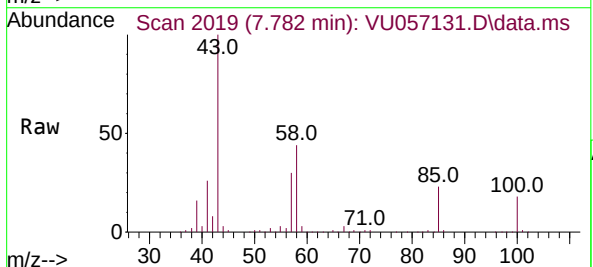
Instrument :
MSVOA_U
ClientSampleId :

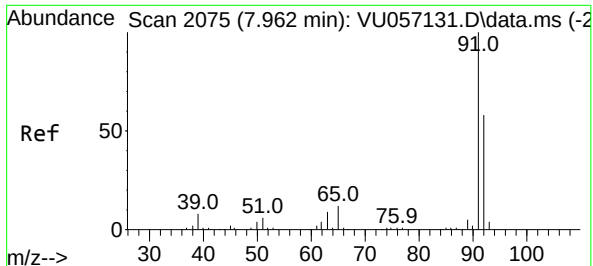
Tgt Ion: 75 Resp: 98227
Ion Ratio Lower Upper
75 100
77 31.1 21.8 40.4



#40
4-Methyl-2-pentanone
Concen: 41.938 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

Tgt Ion: 43 Resp: 292864
Ion Ratio Lower Upper
43 100
58 43.5 34.8 52.2
100 18.2 14.6 21.8





#42

Toluene

Concen: 4.786 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Instrument :

MSVOA_U

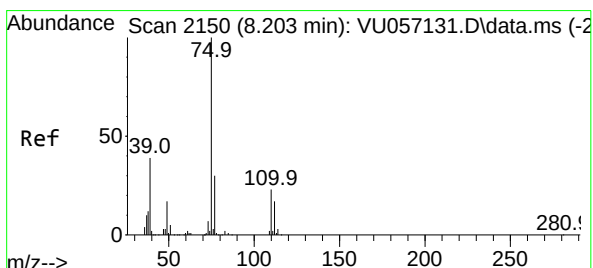
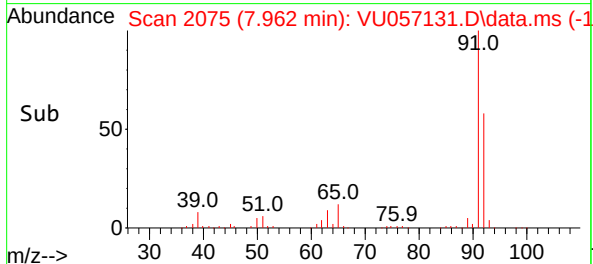
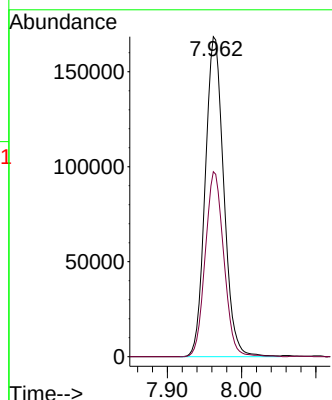
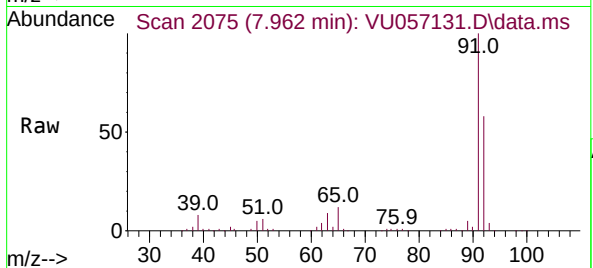
ClientSampleId :

Tgt Ion: 91 Resp: 291734

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.767 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057131.D

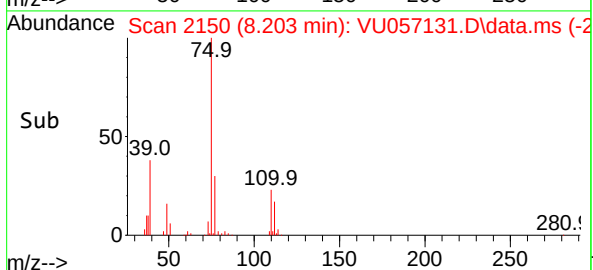
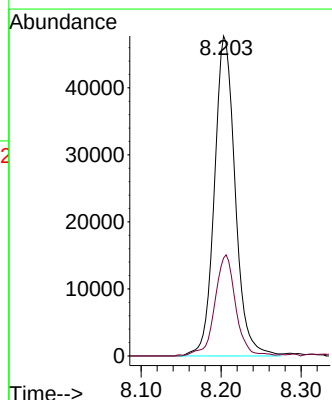
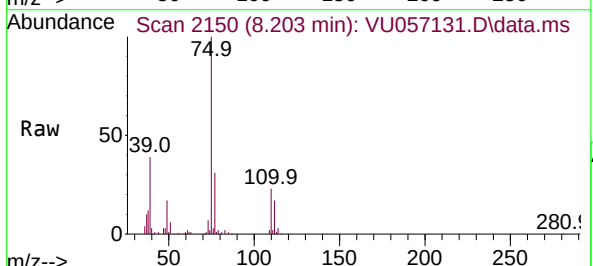
Acq: 21 Dec 2023 12:15

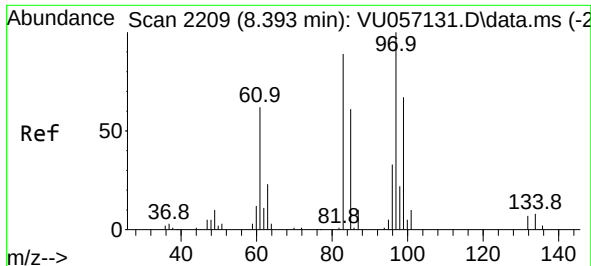
Tgt Ion: 75 Resp: 86083

Ion Ratio Lower Upper

75 100

77 30.6 21.4 39.8

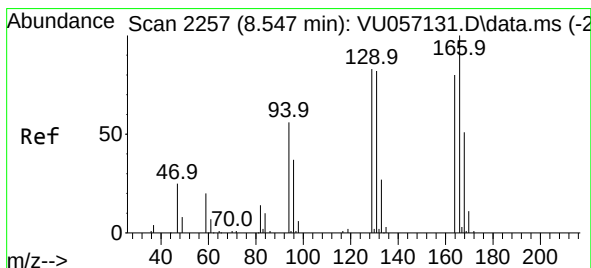
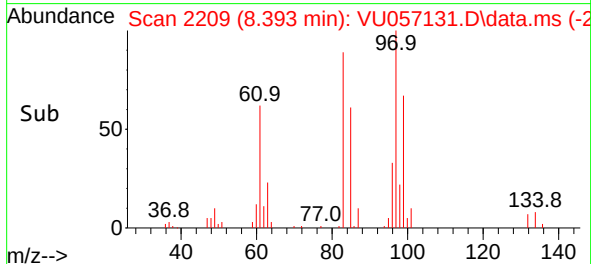
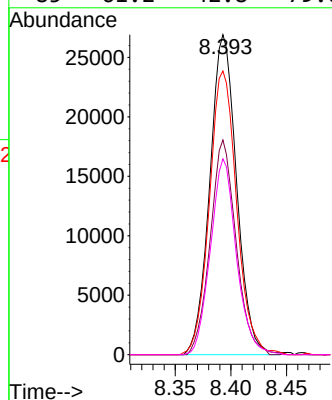
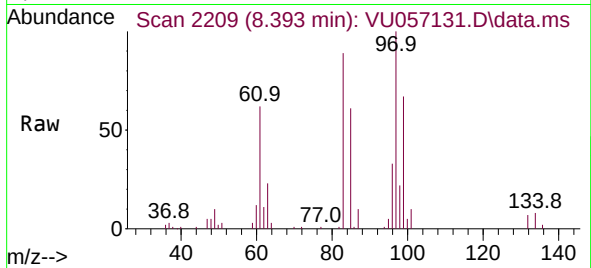




#45
1,1,2-Trichloroethane
Concen: 4.483 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

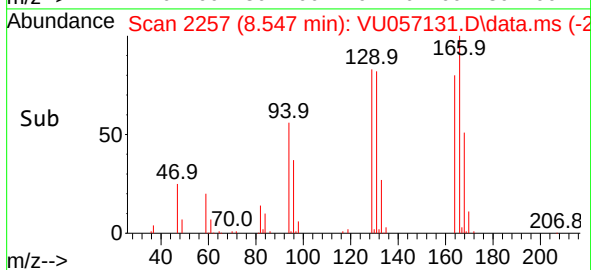
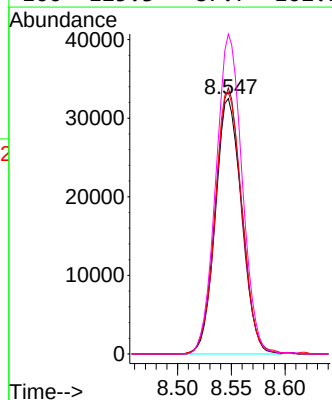
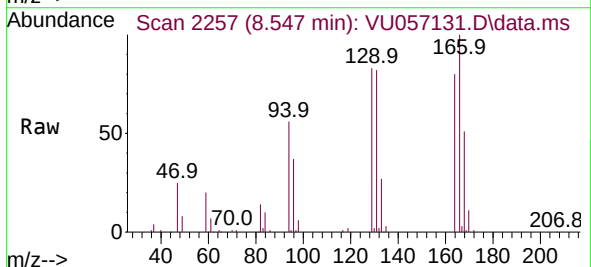
Instrument :
MSVOA_U
ClientSampleId :

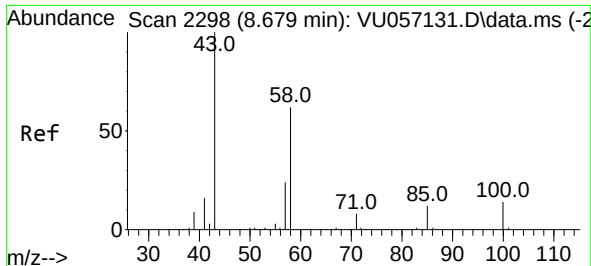
Tgt Ion: 97	Resp: 45128
Ion Ratio	Lower Upper
97 100	
99 67.1	47.0 87.2
83 88.7	62.1 115.3
85 61.2	42.8 79.6



#47
Tetrachloroethene
Concen: 4.861 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

Tgt	Ion:164	Resp:	55525
Ion	Ratio	Lower	Upper
164	100		
129	104.1	72.9	135.3
131	102.5	71.7	133.3
166	125.3	87.7	162.9

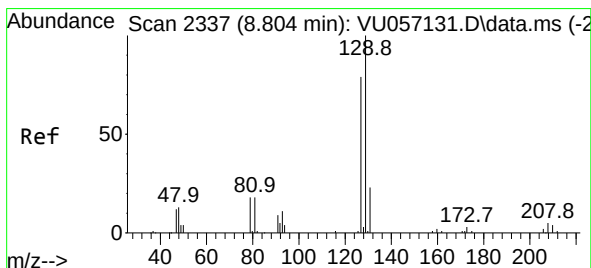
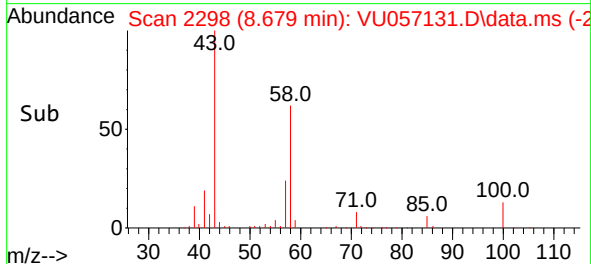
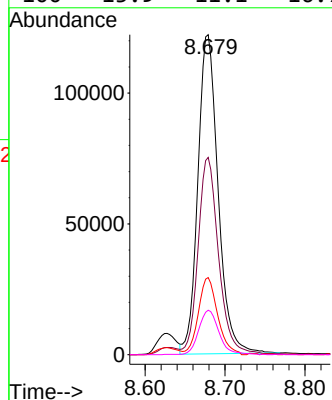
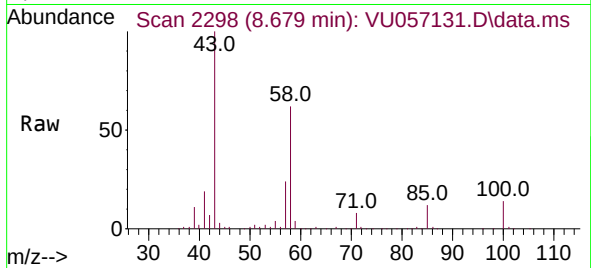




#48
2-Hexanone
Concen: 43.170 ug/L
RT: 8.679 min Scan# 215722
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

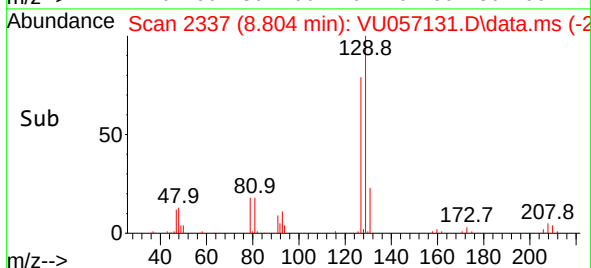
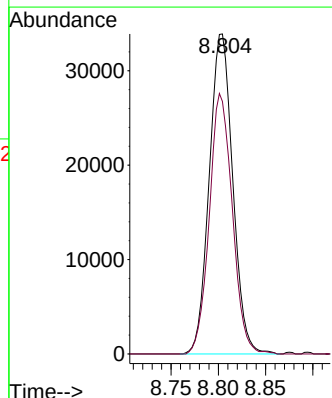
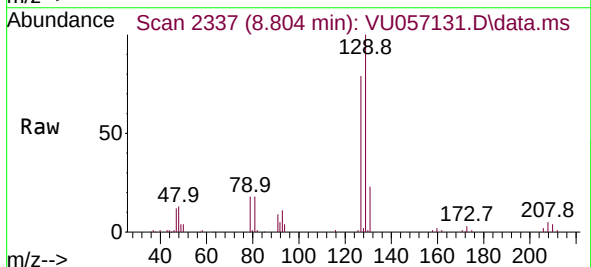
Instrument :
MSVOA_U
ClientSampleId :

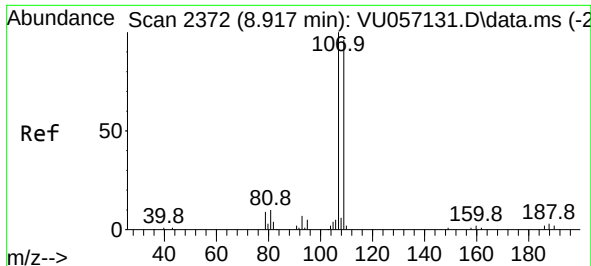
Tgt Ion:	43	Resp:	215722
Ion	Ratio	Lower	Upper
43	100		
58	62.3	49.8	74.8
57	23.1	18.5	27.7
100	13.9	11.1	16.7



#49
Dibromochloromethane
Concen: 4.952 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

Tgt Ion:	129	Resp:	58666
Ion	Ratio	Lower	Upper
129	100		
127	78.9	55.2	102.6





#50

1,2-Dibromoethane

Concen: 4.553 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

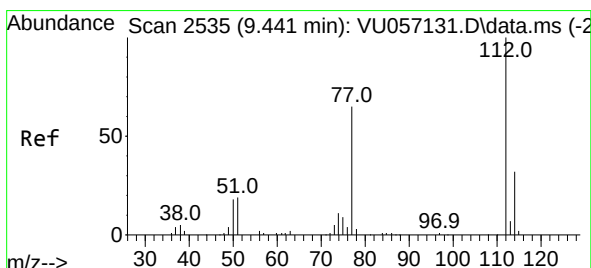
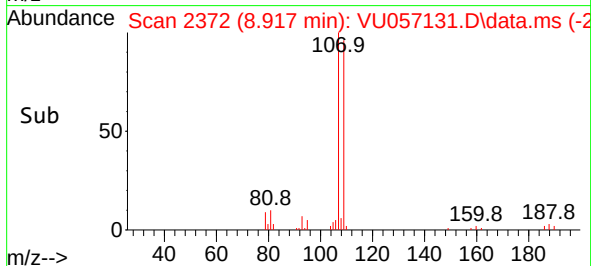
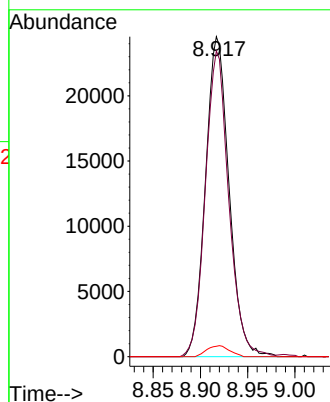
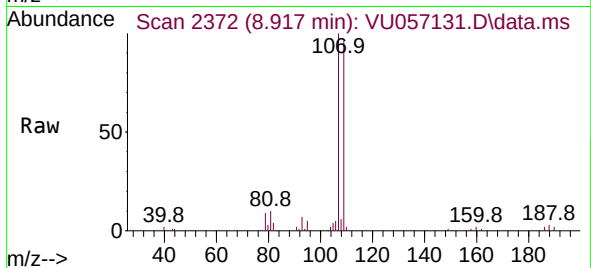
Tgt Ion:107 Resp: 42517

Ion Ratio Lower Upper

107 100

109 95.5 66.8 124.2

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 4.666 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

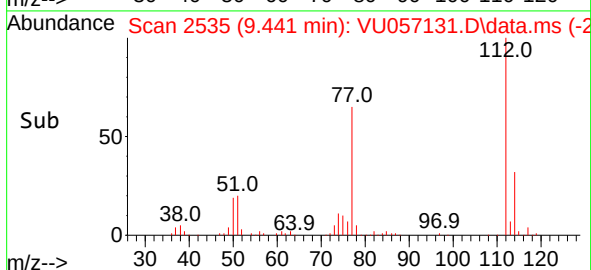
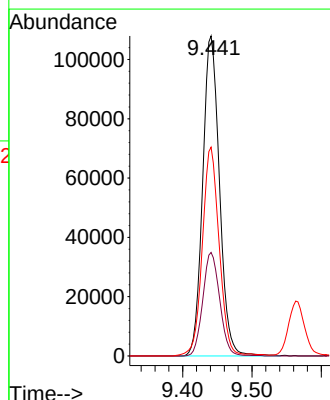
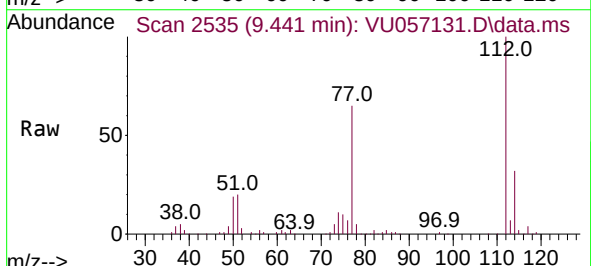
Tgt Ion:112 Resp: 181549

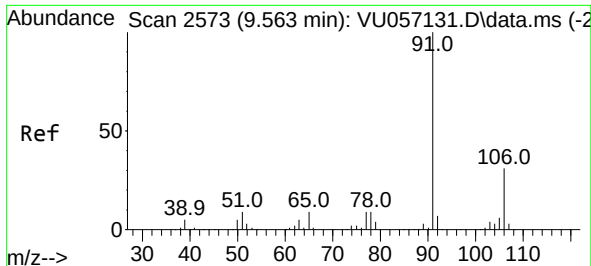
Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.1

77 65.2 52.2 78.2

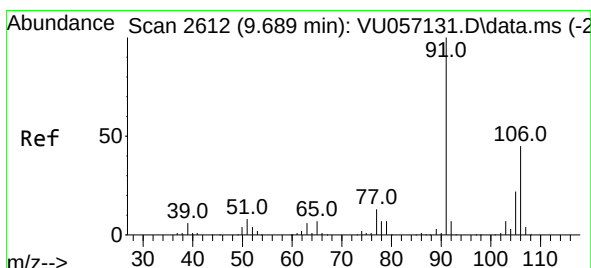
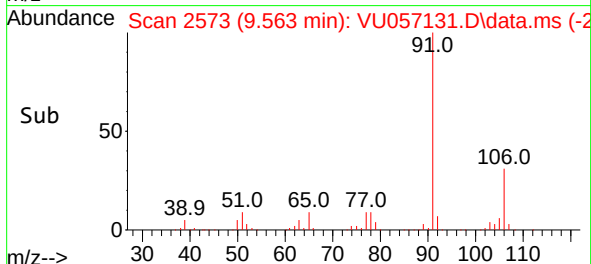
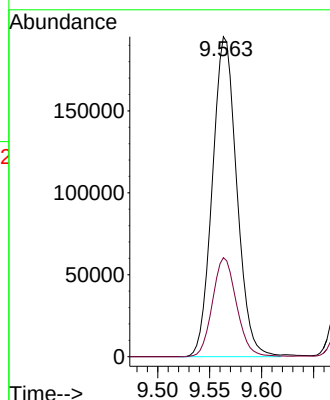
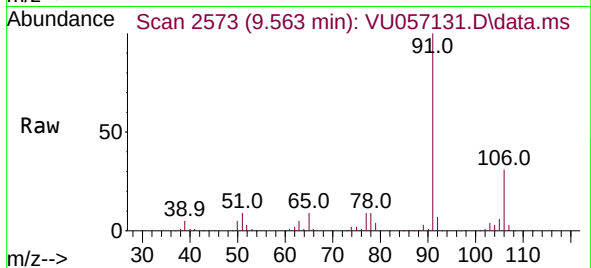




#52
Ethylbenzene
Concen: 4.739 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

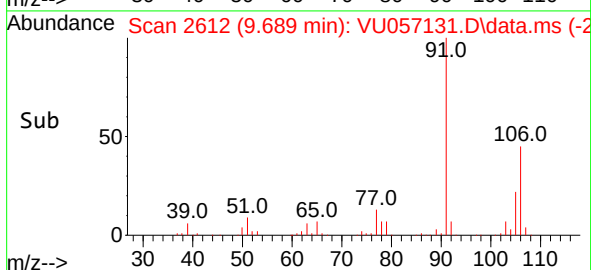
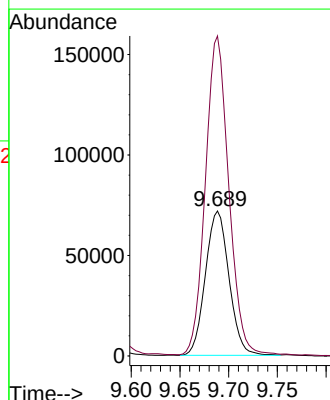
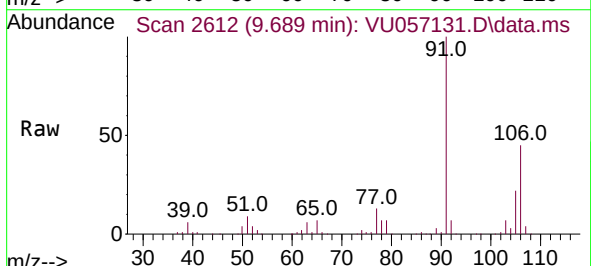
Instrument :
MSVOA_U
ClientSampleId :

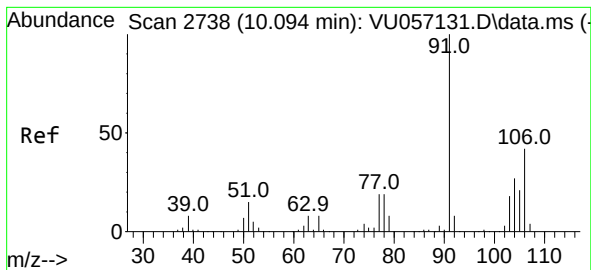
Tgt Ion: 91 Resp: 318671
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.2



#53
m,p-Xylene
Concen: 4.830 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

Tgt Ion:106 Resp: 121179
Ion Ratio Lower Upper
106 100
91 220.7 154.5 286.9





#54

o-Xylene

Concen: 4.831 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Instrument :

MSVOA_U

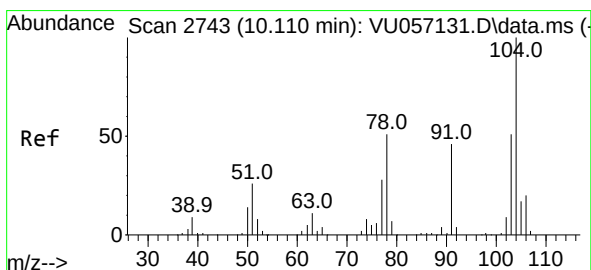
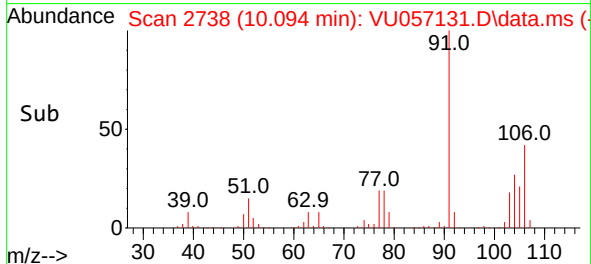
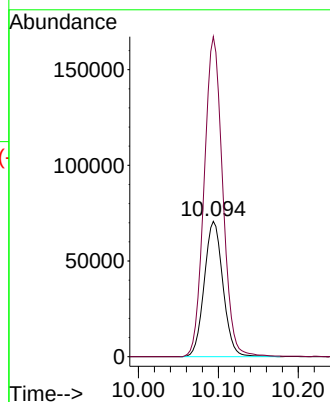
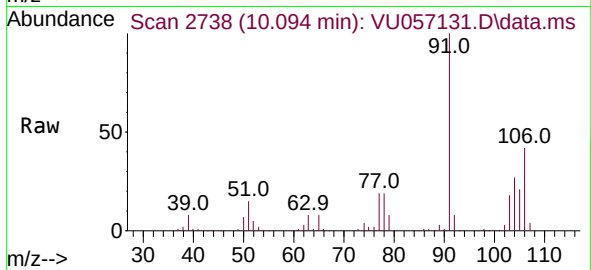
ClientSampleId :

Tgt Ion:106 Resp: 115514

Ion Ratio Lower Upper

106 100

91 236.3 165.4 307.2



#55

Styrene

Concen: 5.028 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057131.D

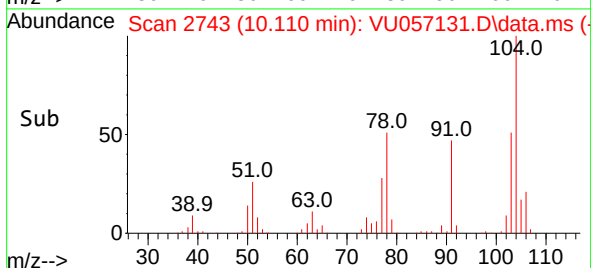
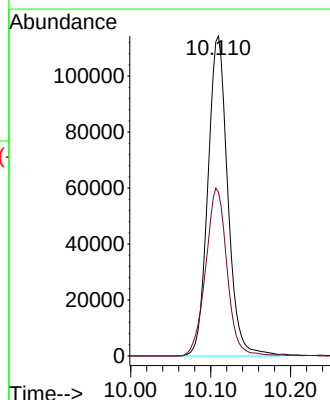
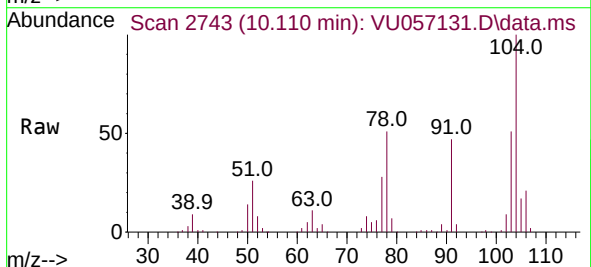
Acq: 21 Dec 2023 12:15

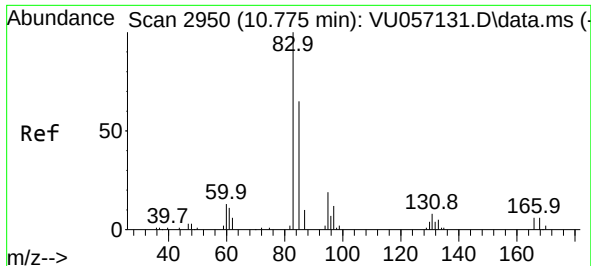
Tgt Ion:104 Resp: 197553

Ion Ratio Lower Upper

104 100

78 51.2 35.8 66.6





#57

1,1,2,2-Tetrachloroethane

Concen: 4.527 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

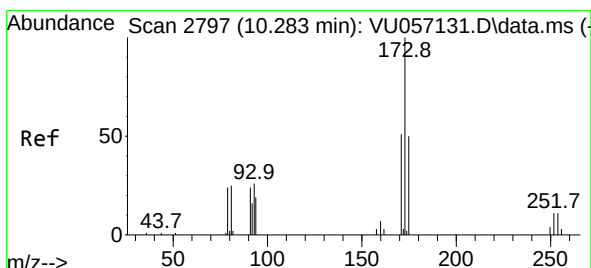
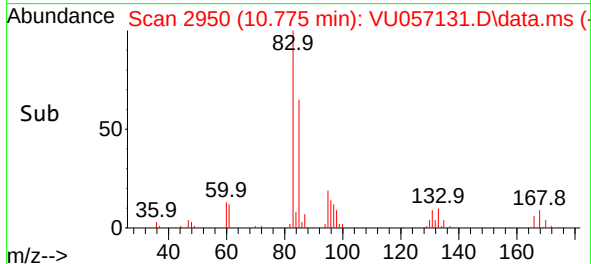
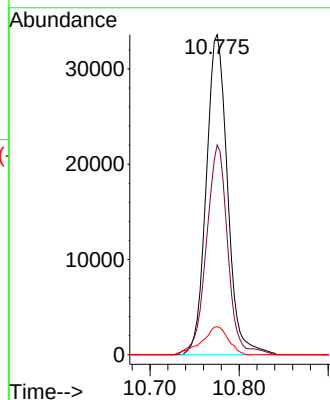
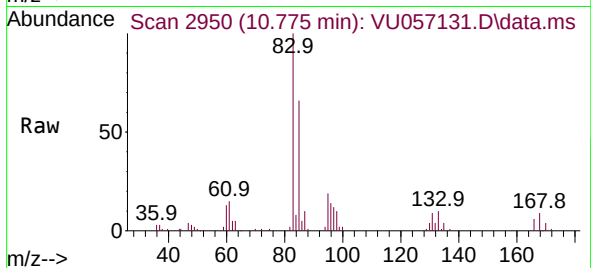
Tgt Ion: 83 Resp: 55557

Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.2

131 8.8 7.0 10.6



#59

Bromoform

Concen: 4.605 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

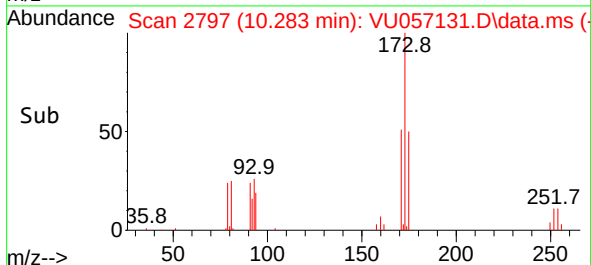
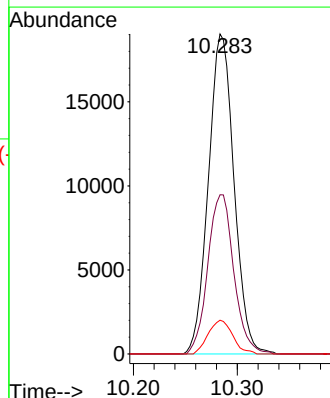
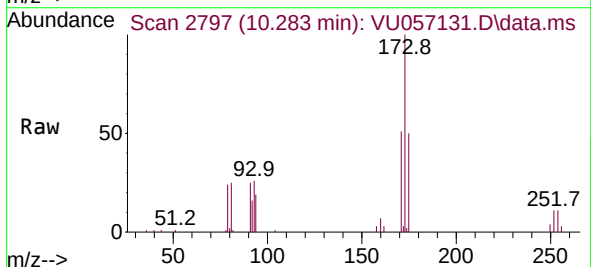
Tgt Ion: 173 Resp: 32611

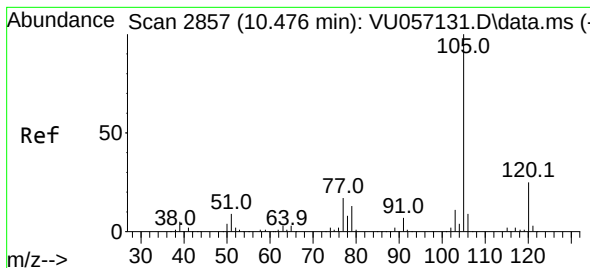
Ion Ratio Lower Upper

173 100

175 50.6 40.5 60.7

254 10.1 8.1 12.1





#60

Isopropylbenzene

Concen: 4.794 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

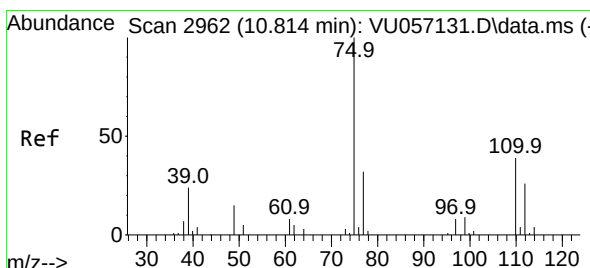
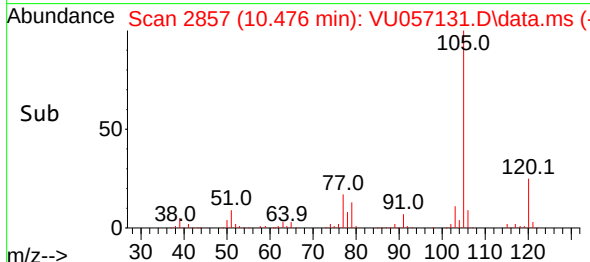
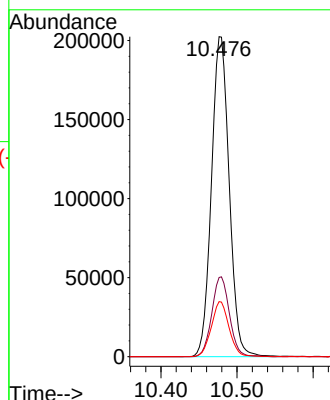
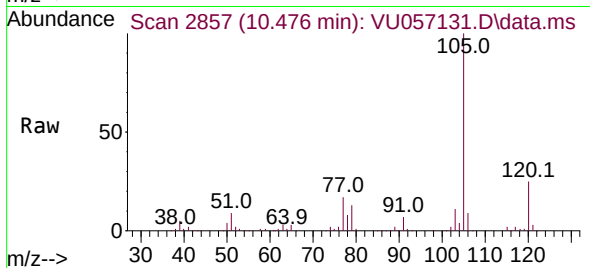
Tgt Ion:105 Resp: 327777

Ion Ratio Lower Upper

105 100

120 24.8 19.8 29.8

77 17.3 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 4.254 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

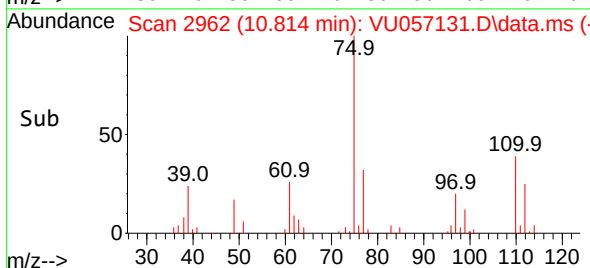
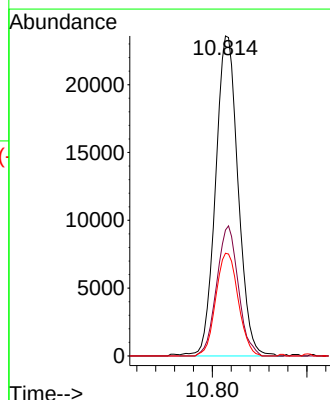
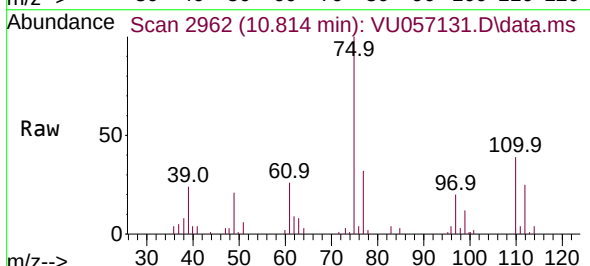
Tgt Ion: 75 Resp: 38947

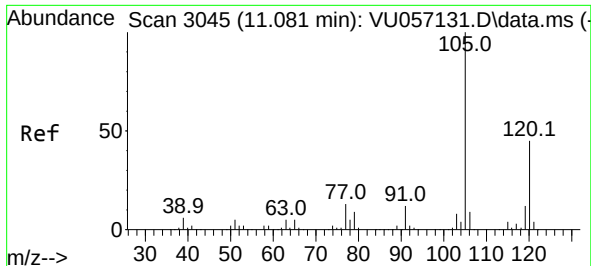
Ion Ratio Lower Upper

75 100

110 39.0 31.2 46.8

77 31.9 25.5 38.3

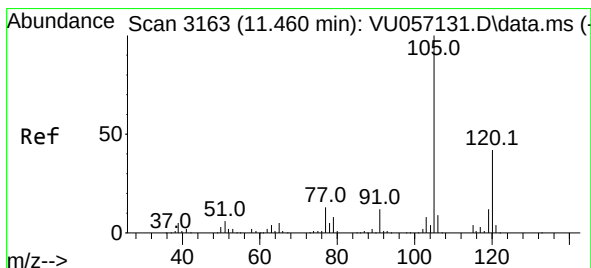
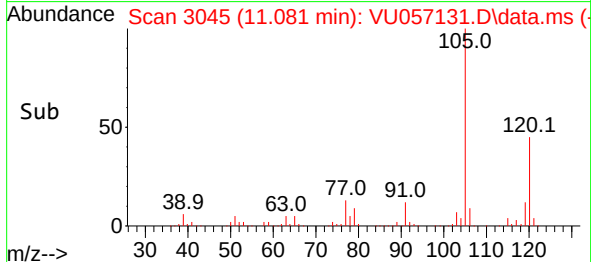
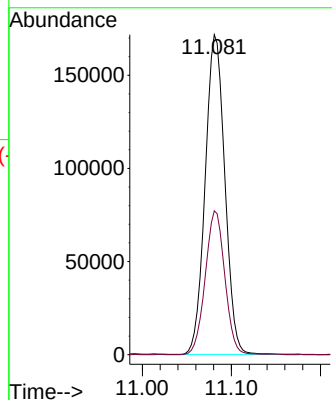
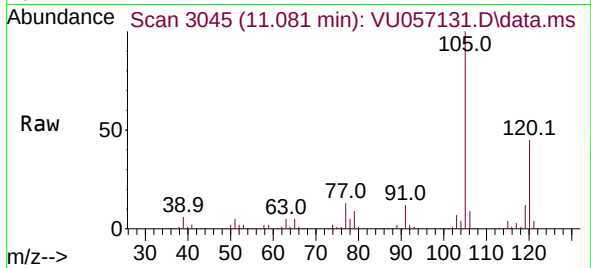




#62
1,3,5-Trimethylbenzene
Concen: 4.694 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

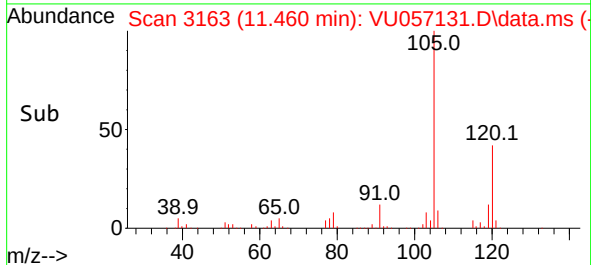
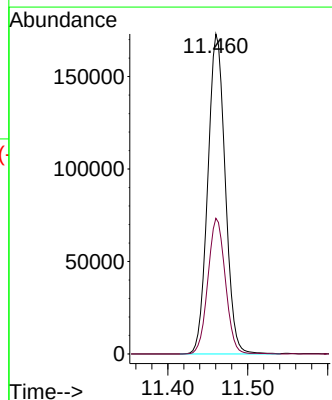
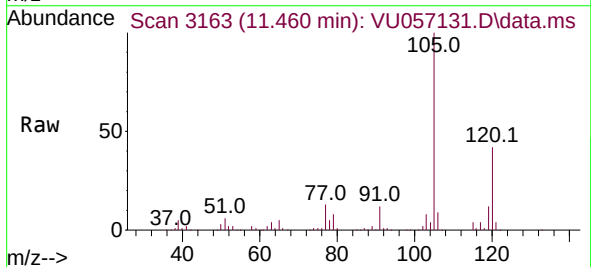
Instrument :
MSVOA_U
ClientSampleId :

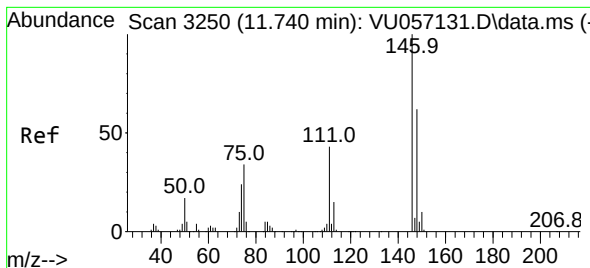
Tgt Ion:105 Resp: 262519
Ion Ratio Lower Upper
105 100
120 44.8 35.8 53.8



#63
1,2,4-Trimethylbenzene
Concen: 4.737 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU057131.D
Acq: 21 Dec 2023 12:15

Tgt Ion:105 Resp: 262749
Ion Ratio Lower Upper
105 100
120 42.4 33.9 50.9





#64

1,3-Dichlorobenzene

Concen: 4.627 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

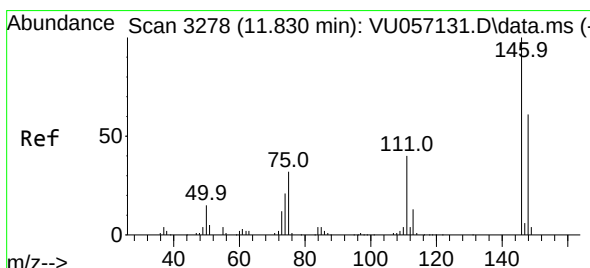
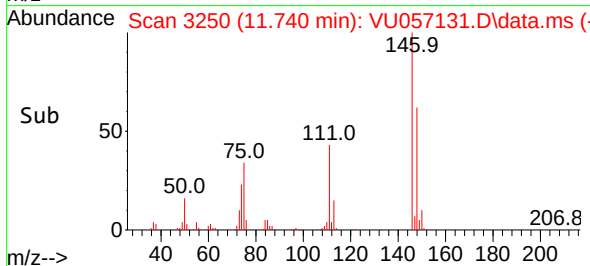
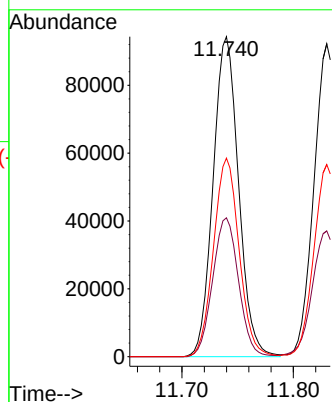
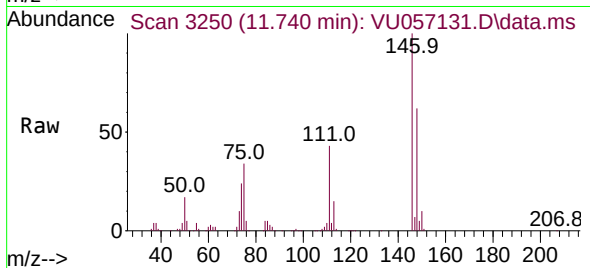
Tgt Ion:146 Resp: 149836

Ion Ratio Lower Upper

146 100

111 43.4 30.4 56.4

148 62.0 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 4.639 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

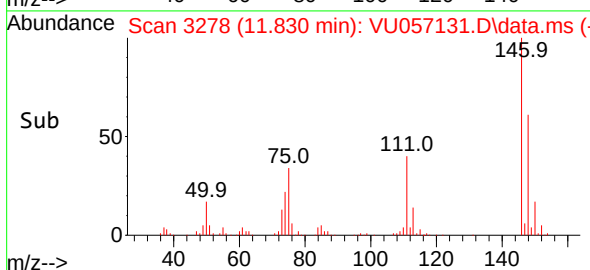
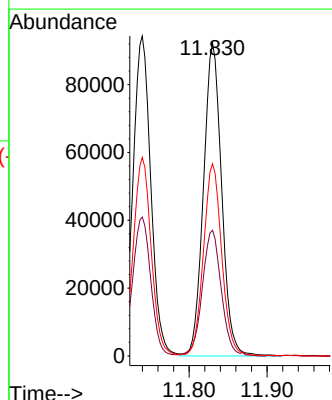
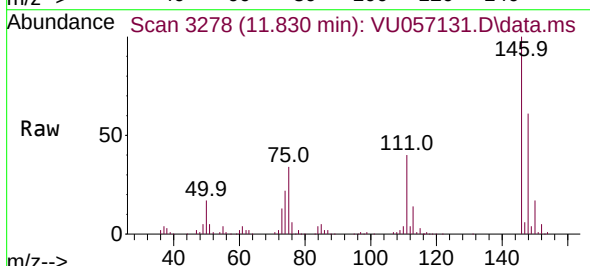
Tgt Ion:146 Resp: 149468

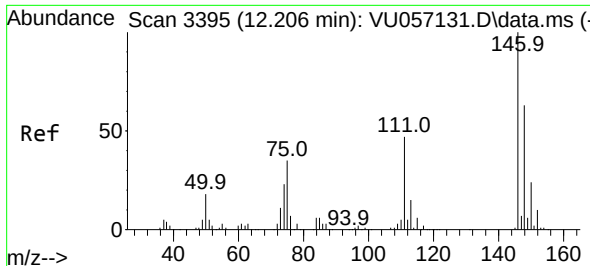
Ion Ratio Lower Upper

146 100

111 40.2 28.1 52.3

148 61.4 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 4.531 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

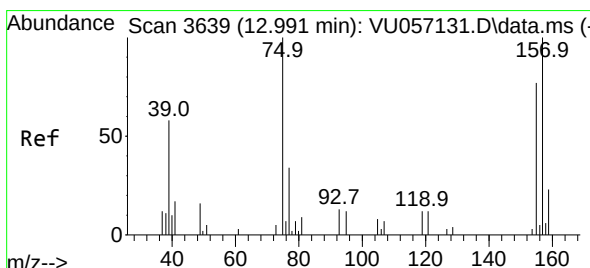
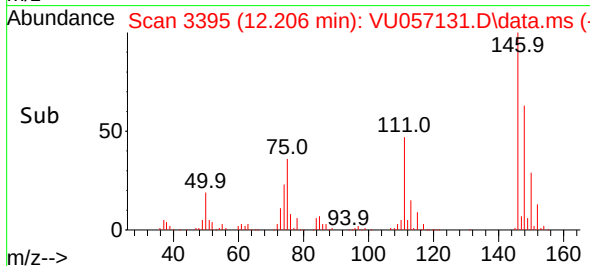
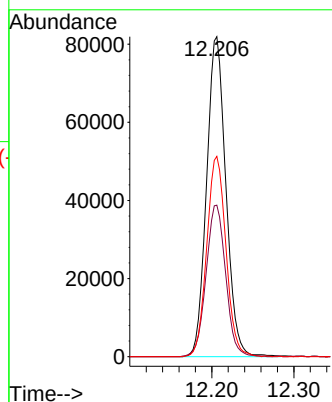
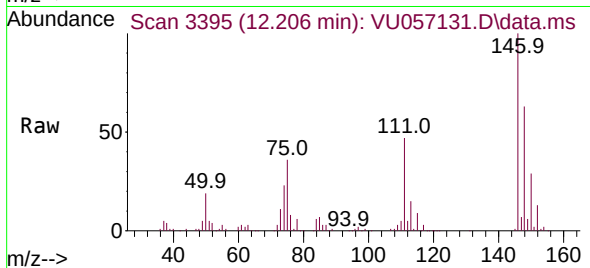
Tgt Ion:146 Resp: 134232

Ion Ratio Lower Upper

146 100

111 47.4 37.9 56.9

148 62.6 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.806 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

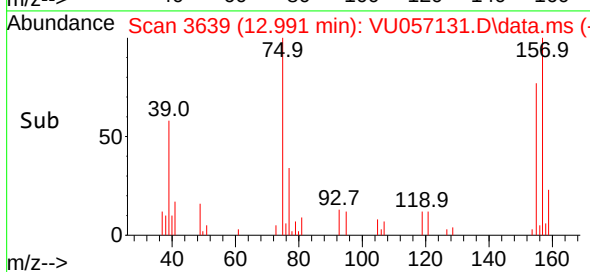
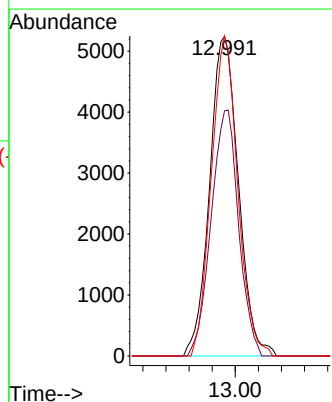
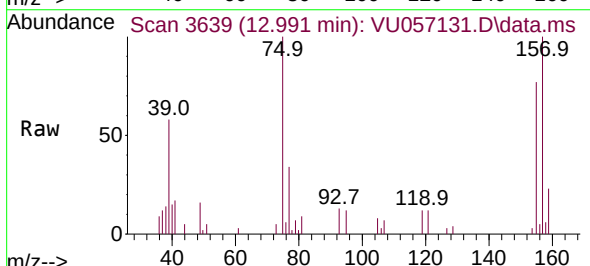
Tgt Ion: 75 Resp: 9064

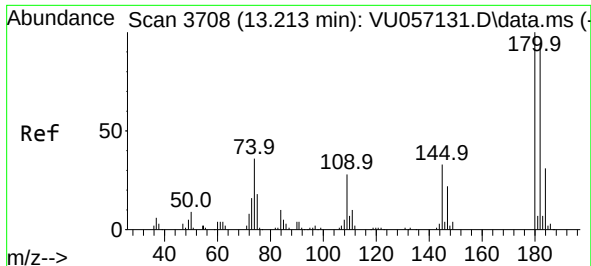
Ion Ratio Lower Upper

75 100

155 76.7 61.4 92.0

157 100.2 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 4.431 ug/L

RT: 13.213 min Scan# 3708

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 108864

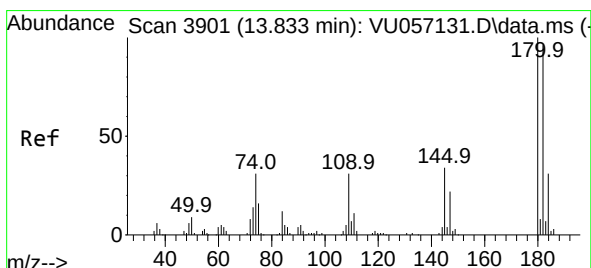
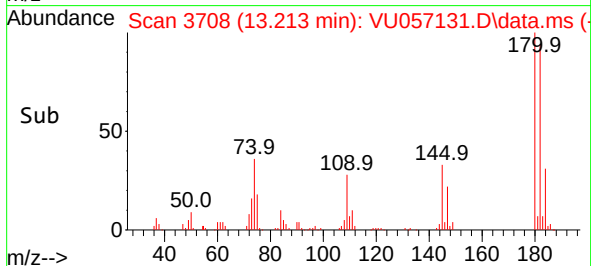
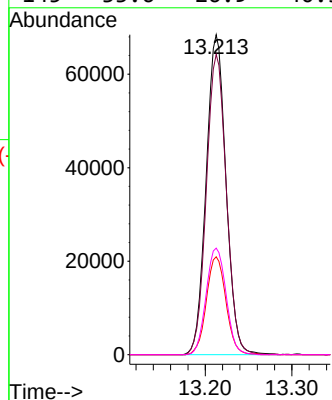
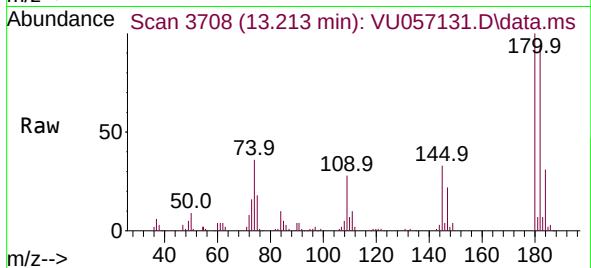
Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

184 30.2 24.2 36.2

145 33.6 26.9 40.3



#70

1,2,4-trichlorobenzene

Concen: 4.252 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

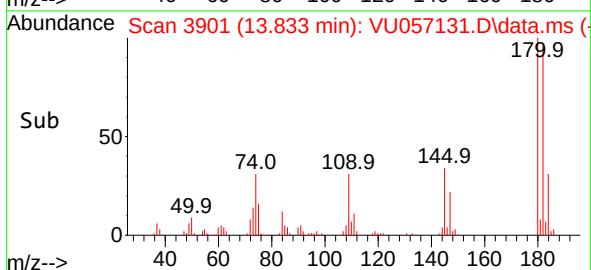
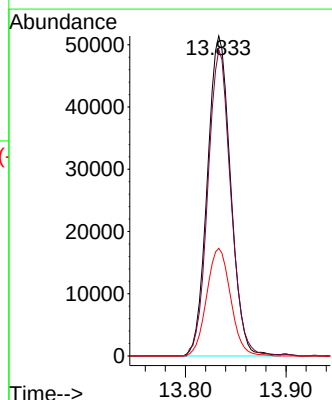
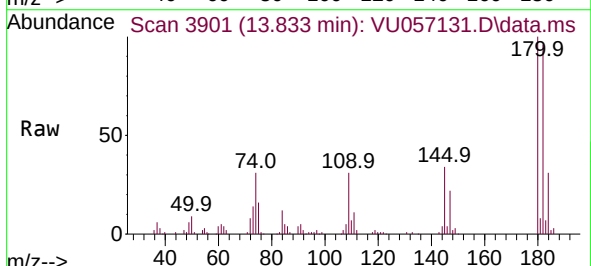
Tgt Ion:180 Resp: 82578

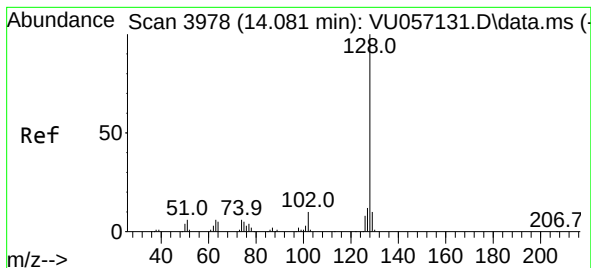
Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.0

145 34.6 27.7 41.5





#71

Naphthalene

Concen: 3.760 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

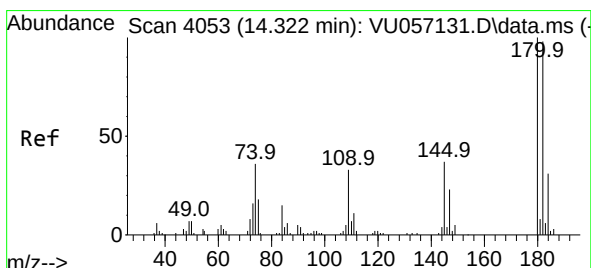
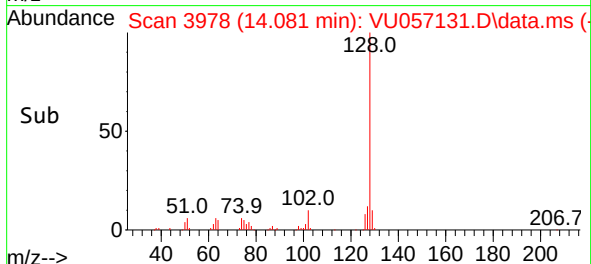
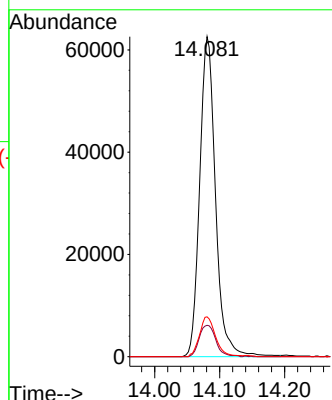
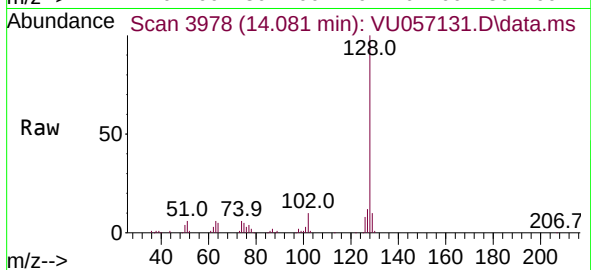
Tgt Ion:128 Resp: 106240

Ion Ratio Lower Upper

128 100

129 10.3 8.2 12.4

127 12.7 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 3.979 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU057131.D

Acq: 21 Dec 2023 12:15

Tgt Ion:180 Resp: 65204

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 36.1 28.9 43.3

