

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057135.D
 Acq On : 21 Dec 2023 14:30
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 23:23:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:17:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	178216	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	175152	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	88254	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	83186	4.884	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.600%
7) Chloroethane-d5	1.911	69	71159	5.075	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.400%
11) 1,1-Dichloroethene-d2	2.557	65	38272	5.186	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.800%
20) 2-Butanone-d5	4.634	46	138604	51.825	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.640%
24) Chloroform-d	5.052	84	162405	4.937	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.695	65	76431	4.875	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.721	84	299021	4.978	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	6.685	67	84372	4.935	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.891	98	282494	5.151	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
43) trans-1,3-Dichloroprop...	8.174	79	36626	5.147	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.000%
46) 2-Hexanone-d5	8.653	63	139187	57.445	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.880%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	63341	5.207	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	94666	4.985	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	83213	4.993	ug/L	100
3) Chloromethane	1.518	50	75116	5.143	ug/L	100
5) Vinyl chloride	1.602	62	78545	5.041	ug/L	98
6) Bromomethane	1.856	94	28847	4.234	ug/L	97
8) Chloroethane	1.933	64	50024	5.058	ug/L	92
9) Trichlorofluoromethane	2.133	101	140564	4.911	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	75419	5.089	ug/L	97
12) 1,1-Dichloroethene	2.570	96	63163	4.741	ug/L	96
13) Acetone	2.641	43	85784	53.348	ug/L	93
14) Carbon disulfide	2.782	76	185797	4.432	ug/L	100
15) Methyl Acetate	2.952	43	20594	5.431	ug/L	97
16) Methylene chloride	3.036	84	80127	5.173	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	153547	5.427	ug/L	98
18) trans-1,2-Dichloroethene	3.341	96	64695	4.980	ug/L	96
19) 1,1-Dichloroethane	3.859	63	126146	4.892	ug/L	98
21) 2-Butanone	4.711	43	128447	52.414	ug/L	95
22) cis-1,2-Dichloroethene	4.657	96	74239	5.188	ug/L	95
23) Bromochloromethane	4.965	128	30374	4.899	ug/L	97
25) Chloroform	5.078	83	142585	4.903	ug/L	99

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :

Quant Time: Dec 21 23:23:37 2023
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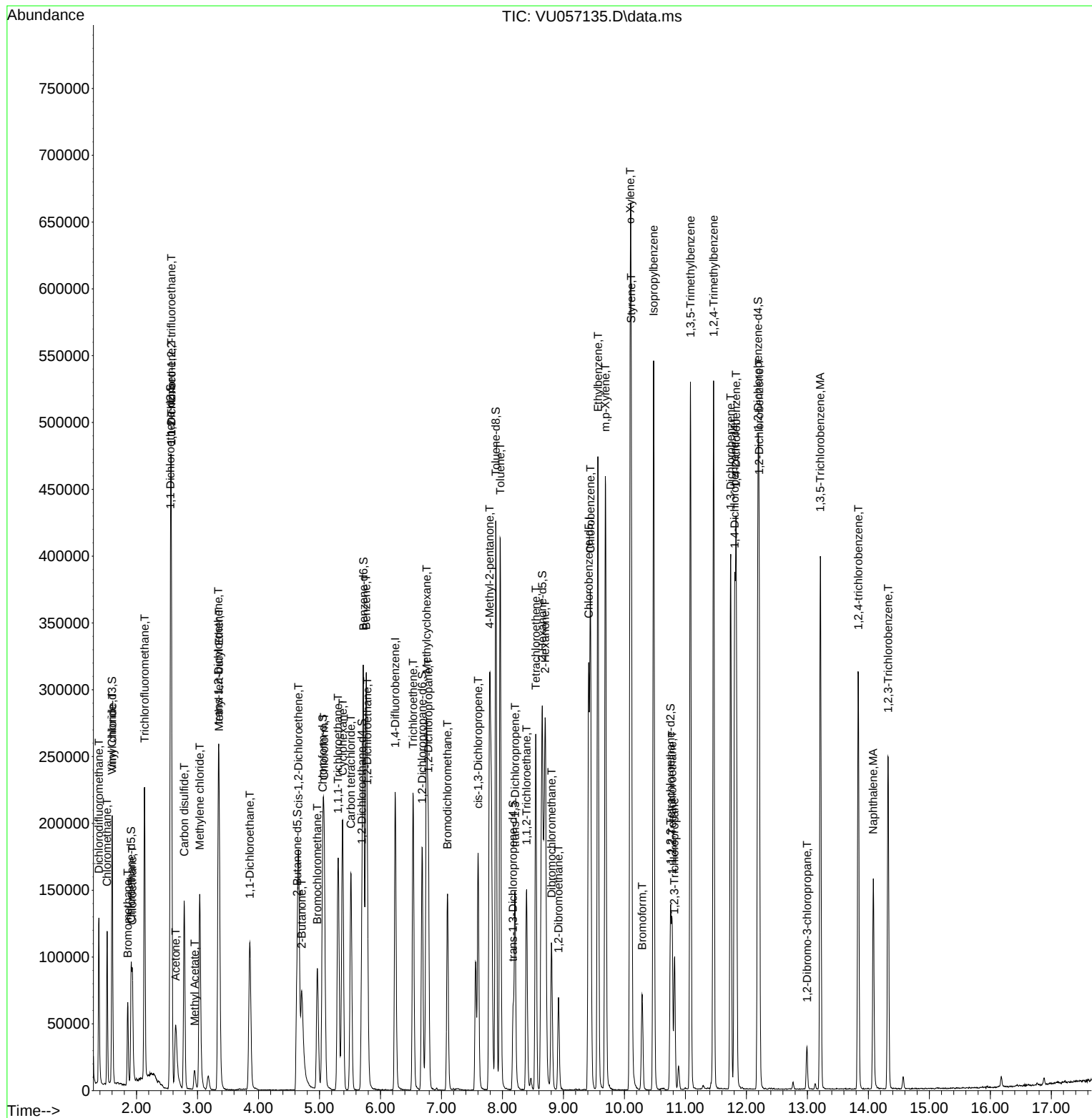
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	85103	4.959	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	133298	4.789	ug/L	99
30) Cyclohexane	5.380	56	99078	5.265	ug/L	98
31) Carbon tetrachloride	5.515	117	115845	4.731	ug/L	98
33) Benzene	5.766	78	281081	5.063	ug/L	100
34) Trichloroethene	6.534	95	78110	4.810	ug/L	95
35) Methylcyclohexane	6.756	83	109282	5.112	ug/L	99
37) 1,2-Dichloropropane	6.785	63	70054	5.072	ug/L	98
38) Bromodichloromethane	7.100	83	99946	5.002	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	108946	5.244	ug/L	100
40) 4-Methyl-2-pentanone	7.791	43	338259	56.336	ug/L	99
42) Toluene	7.965	91	304948	5.182	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	90403	5.099	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	48860	5.127	ug/L	97
47) Tetrachloroethene	8.547	164	56294	4.838	ug/L	96
48) 2-Hexanone	8.701	43	259294	58.696	ug/L	96
49) Dibromochloromethane	8.804	129	62107	5.028	ug/L	100
50) 1,2-Dibromoethane	8.920	107	46234	5.168	ug/L #	98
51) Chlorobenzene	9.444	112	198068	5.172	ug/L	98
52) Ethylbenzene	9.566	91	348162	5.251	ug/L	99
53) m,p-Xylene	9.688	106	130021	5.361	ug/L	99
54) o-Xylene	10.097	106	127538	5.450	ug/L	97
55) Styrene	10.113	104	216467	5.608	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.782	83	59187	5.151	ug/L #	99
59) Bromoform	10.290	173	35724	5.275	ug/L	98
60) Isopropylbenzene	10.479	105	356440	5.478	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	43810	5.328	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	294148	5.517	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	298264	5.669	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	160114	5.206	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	157172	5.077	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	141040	5.128	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.994	75	9185	4.925	ug/L	98
69) 1,3,5-Trichlorobenzene	13.212	180	119574	5.226	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	92091	5.140	ug/L	99
71) Naphthalene	14.081	128	124959	5.514	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	73207	5.239	ug/L	99

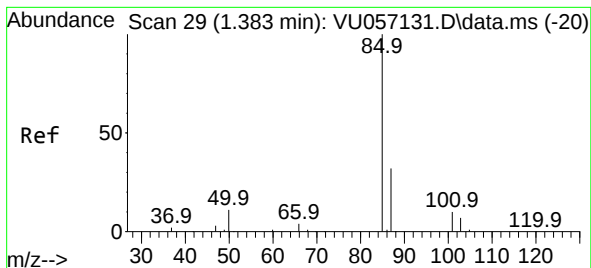
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 MSVOA_U
 ClientSampleId :

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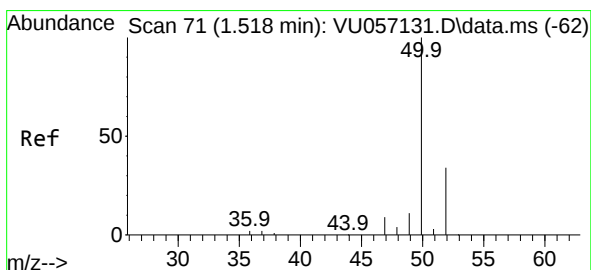
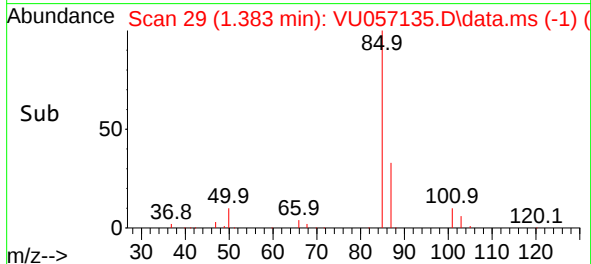
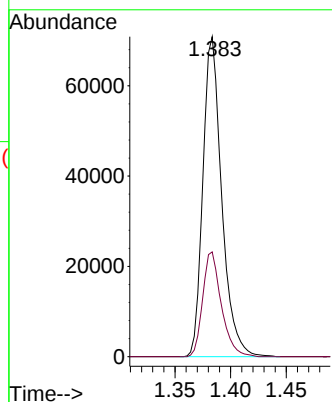
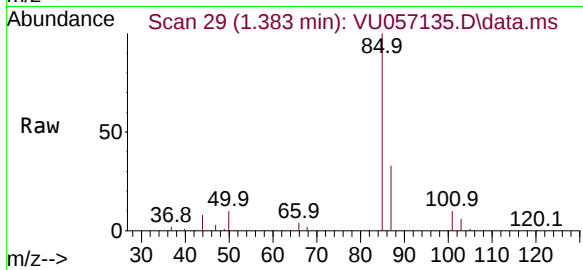




#2
 Dichlorodifluoromethane
 Concen: 4.993 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU057135.D
 Acq: 21 Dec 2023 14:30

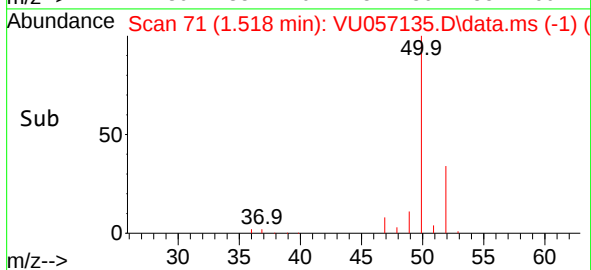
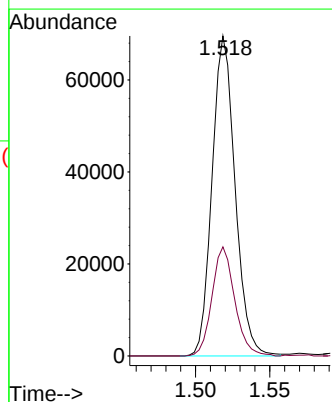
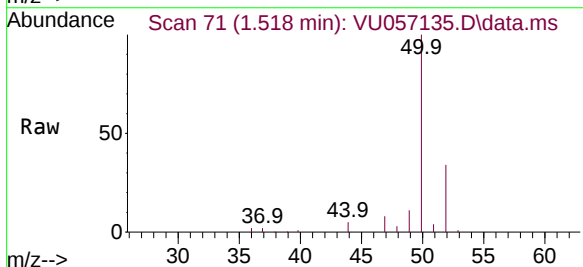
Instrument :
 MSVOA_U
 ClientSampleId :

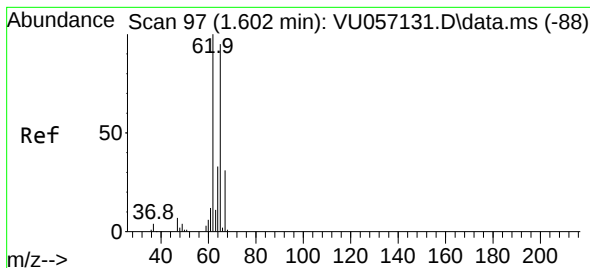
Tgt Ion: 85 Resp: 83213
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 5.143 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057135.D
 Acq: 21 Dec 2023 14:30

Tgt Ion: 50 Resp: 75116
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.7 44.1





#5

Vinyl chloride

Concen: 5.041 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

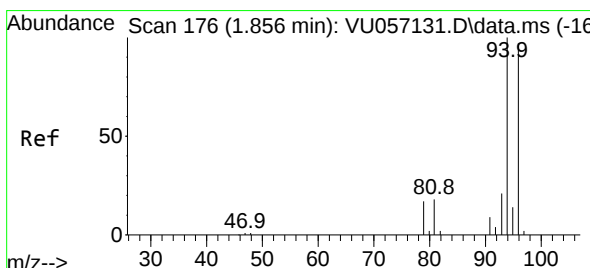
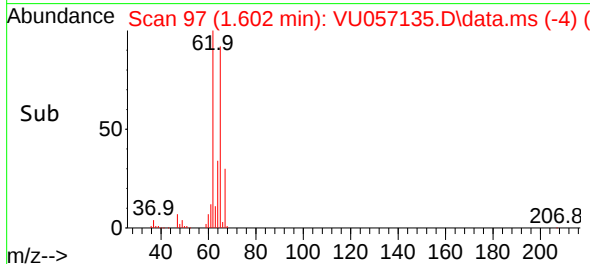
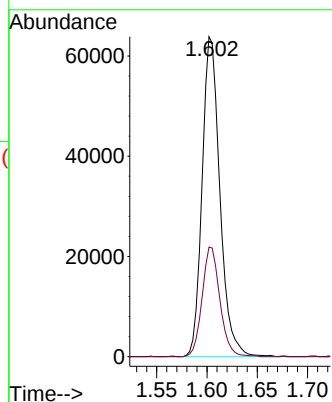
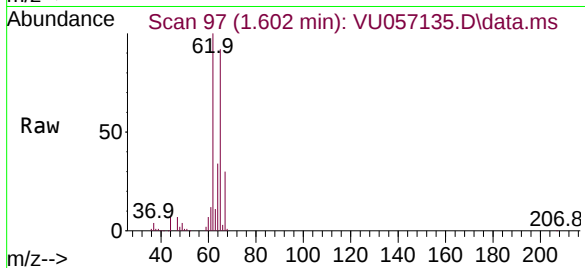
ClientSampleId :

Tgt Ion: 62 Resp: 78545

Ion Ratio Lower Upper

62 100

64 34.2 23.3 43.3



#6

Bromomethane

Concen: 4.234 ug/L

RT: 1.856 min Scan# 176

Delta R.T. -0.000 min

Lab File: VU057135.D

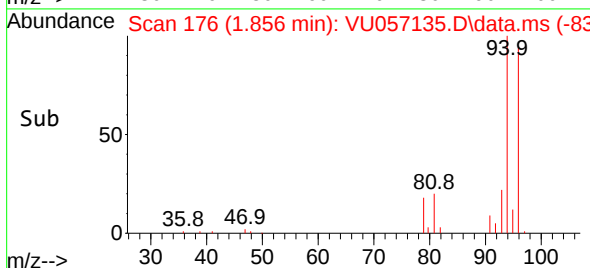
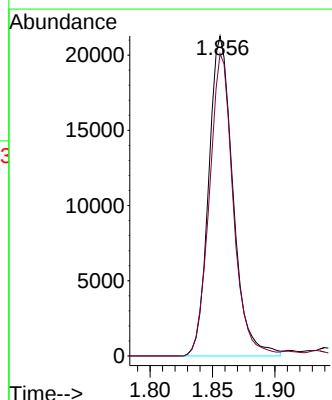
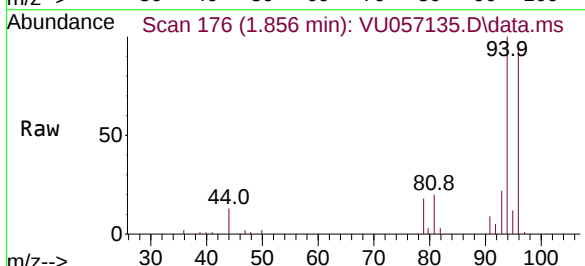
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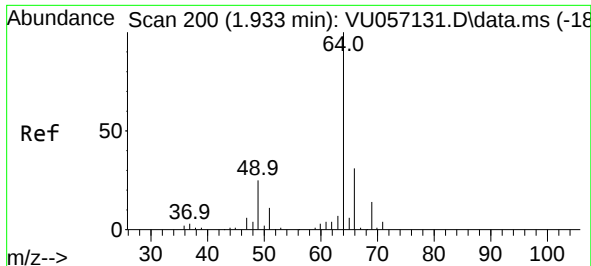
Tgt Ion: 94 Resp: 28847

Ion Ratio Lower Upper

94 100

96 94.5 68.2 126.6

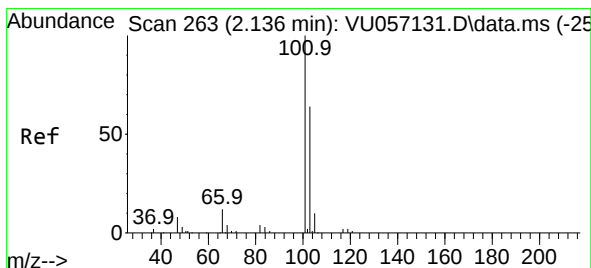
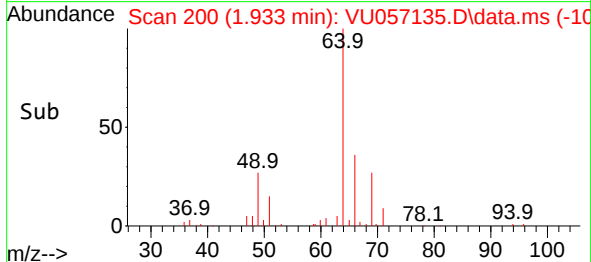
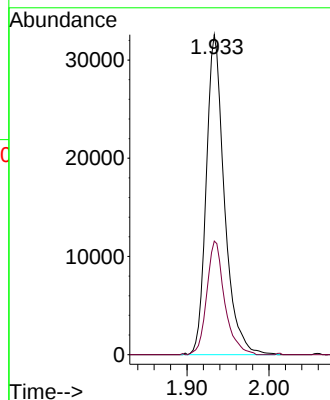
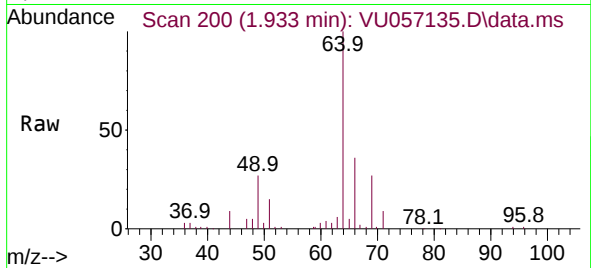




#8
Chloroethane
Concen: 5.058 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

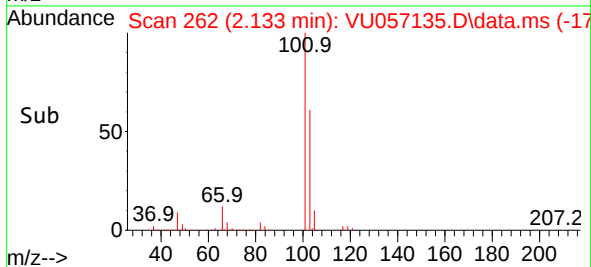
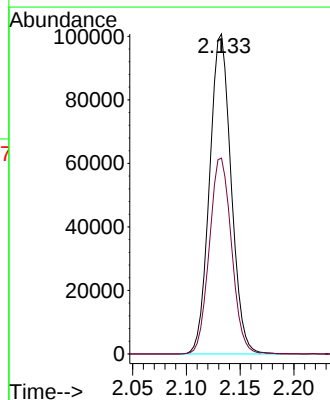
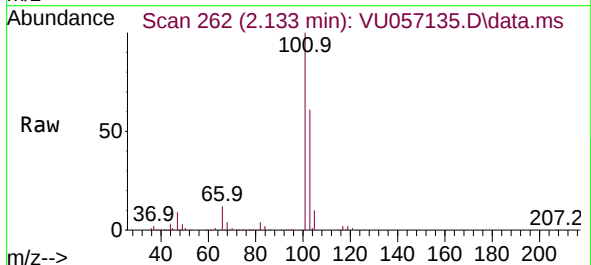
Instrument :
MSVOA_U
ClientSampleId :

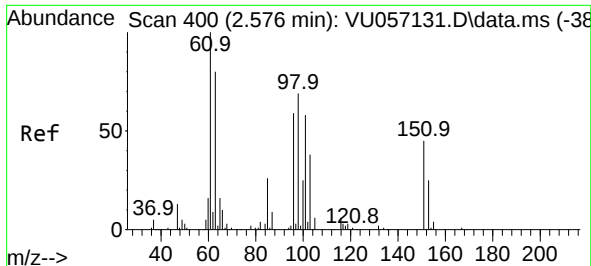
Tgt Ion: 64 Resp: 50024
Ion Ratio Lower Upper
64 100
66 35.5 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.911 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Tgt Ion: 101 Resp: 140564
Ion Ratio Lower Upper
101 100
103 63.1 52.1 78.1

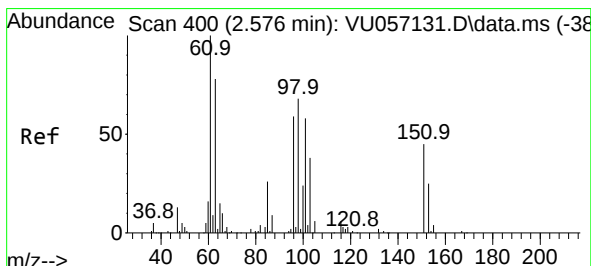
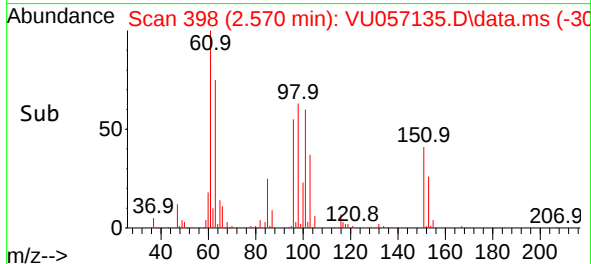
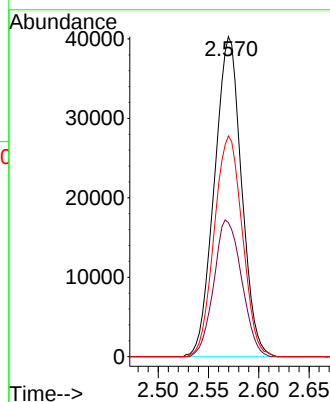
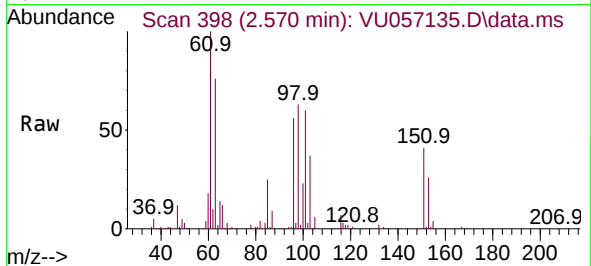




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.089 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU057135.D
 Acq: 21 Dec 2023 14:30

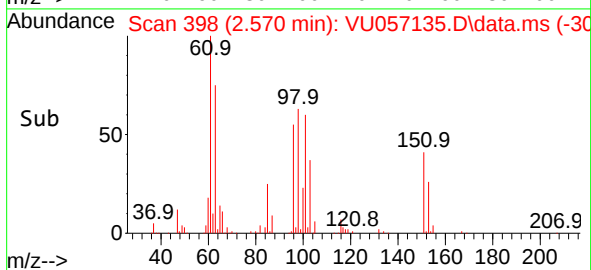
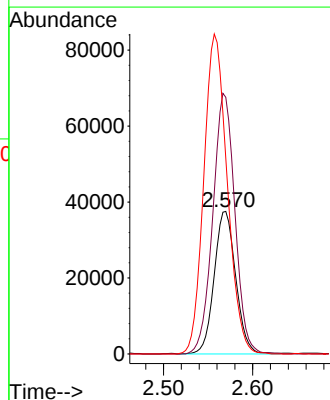
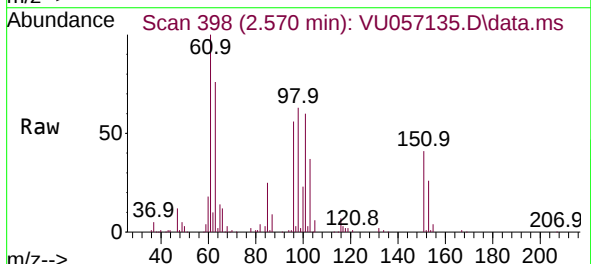
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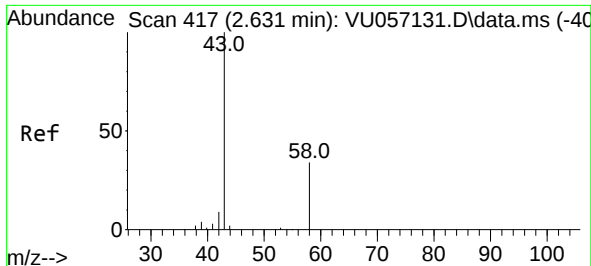
Tgt Ion:101 Resp: 75419
 Ion Ratio Lower Upper
 101 100
 85 44.0 35.6 53.4
 151 71.6 59.9 89.9



#12
 1,1-Dichloroethene
 Concen: 4.741 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU057135.D
 Acq: 21 Dec 2023 14:30

Tgt Ion: 96 Resp: 63163
 Ion Ratio Lower Upper
 96 100
 61 180.1 119.6 222.0
 63 137.3 96.2 178.8





#13

Acetone

Concen: 53.348 ug/L

RT: 2.641 min Scan# 41

Delta R.T. 0.010 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

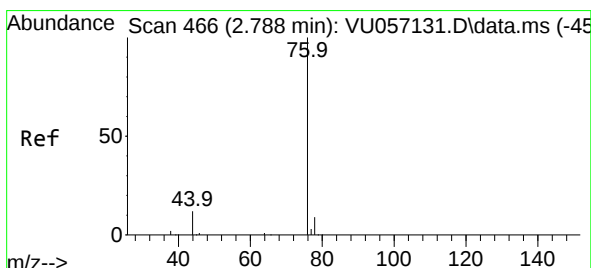
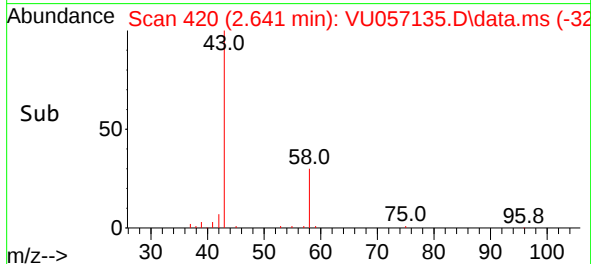
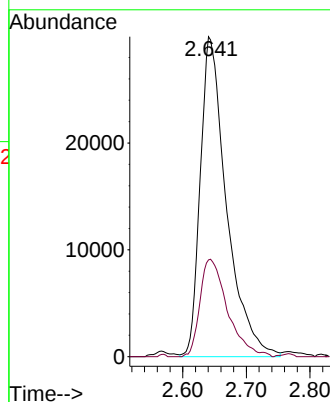
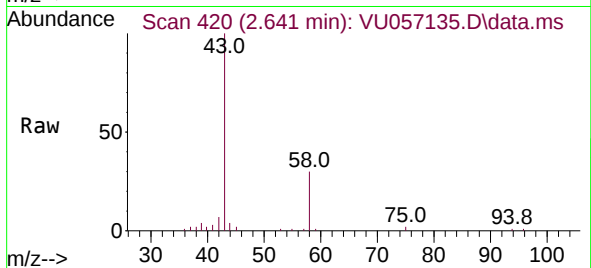
ClientSampleId :

Tgt Ion: 43 Resp: 85784

Ion Ratio Lower Upper

43 100

58 31.6 0.0 70.8



#14

Carbon disulfide

Concen: 4.432 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.006 min

Lab File: VU057135.D

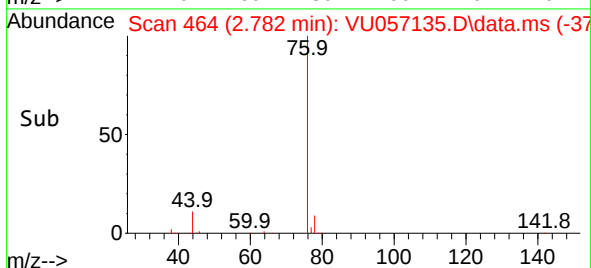
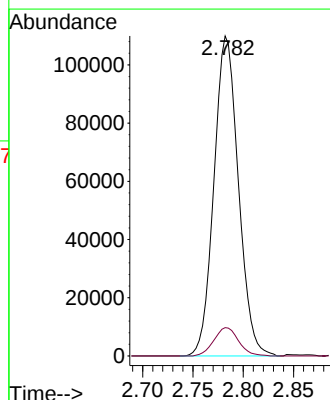
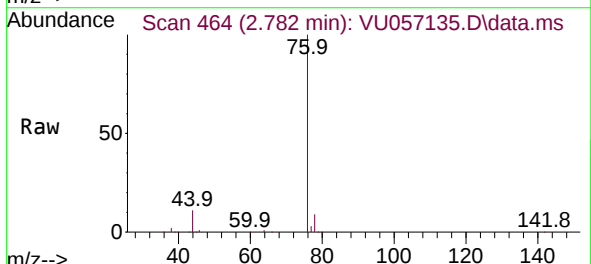
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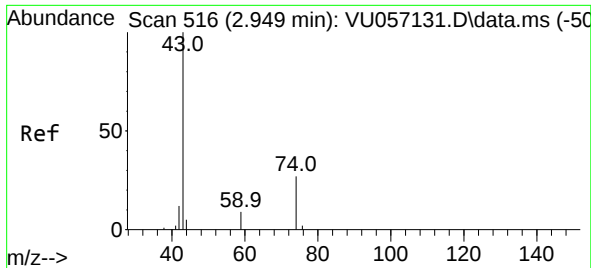
Tgt Ion: 76 Resp: 185797

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

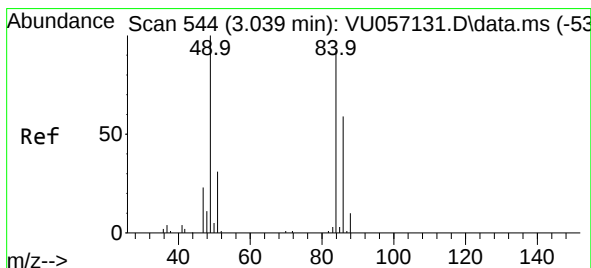
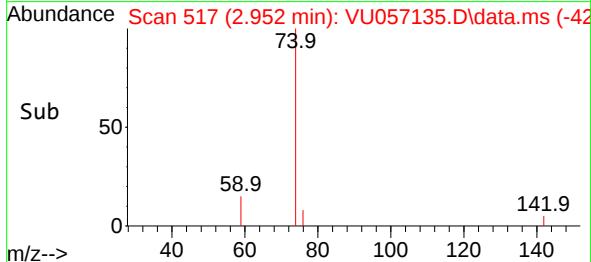
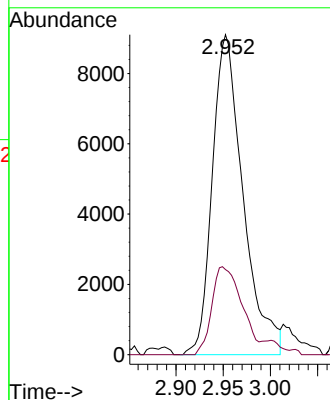
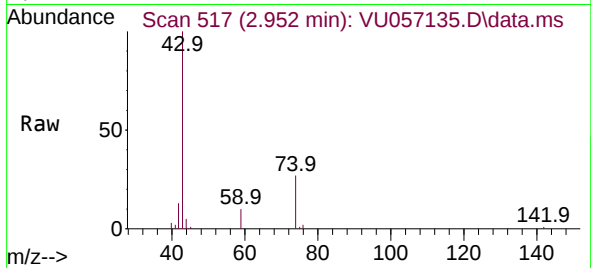




#15
Methyl Acetate
Concen: 5.431 ug/L
RT: 2.952 min Scan# 516
Delta R.T. 0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

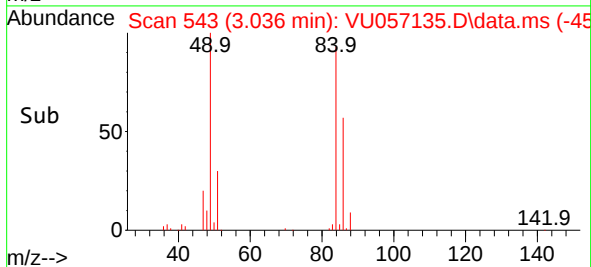
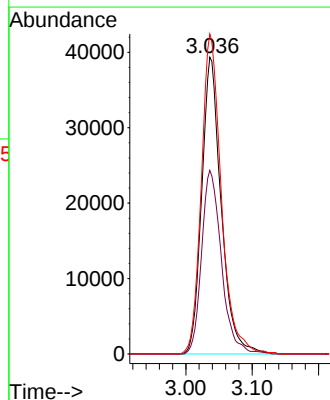
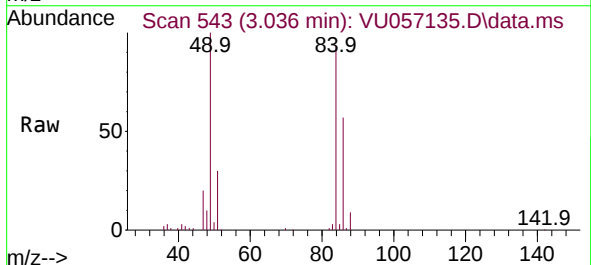
Instrument :
MSVOA_U
ClientSampleId :

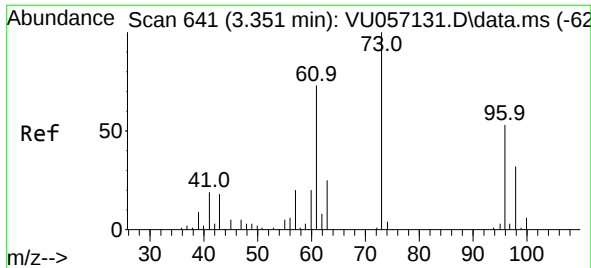
Tgt Ion: 43 Resp: 20594
Ion Ratio Lower Upper
43 100
74 27.1 22.8 34.2



#16
Methylene chloride
Concen: 5.173 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

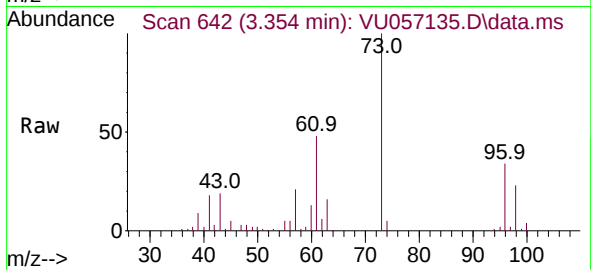
Tgt Ion: 84 Resp: 80127
Ion Ratio Lower Upper
84 100
86 61.8 44.7 82.9
49 107.8 76.0 141.2



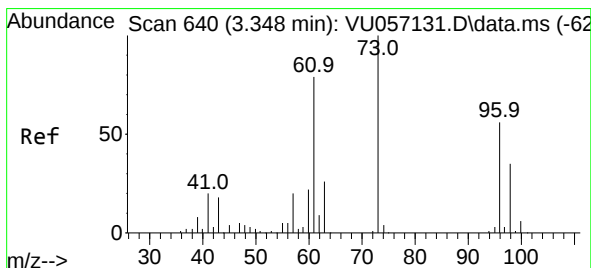
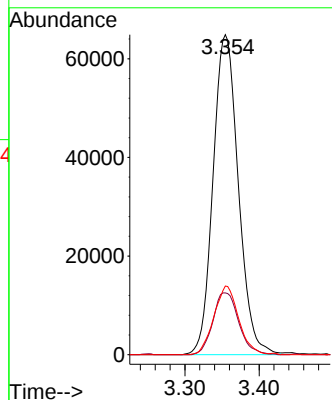
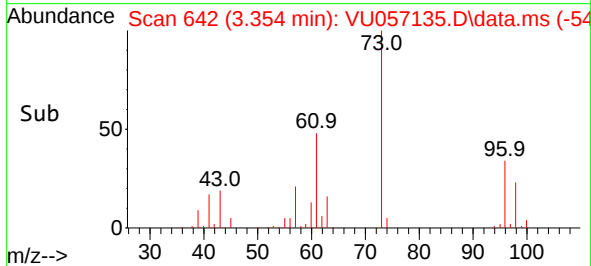


#17
Methyl tert-butyl Ether
Concen: 5.427 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

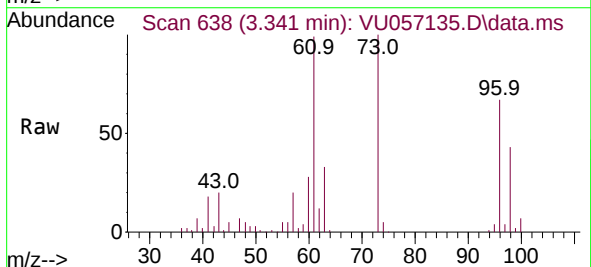
Instrument :
MSVOA_U
ClientSampleId :



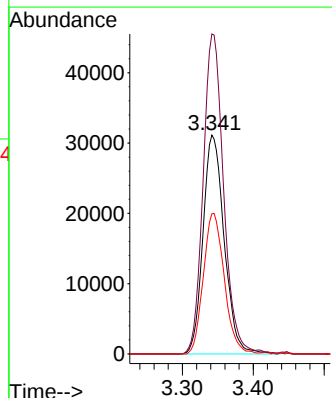
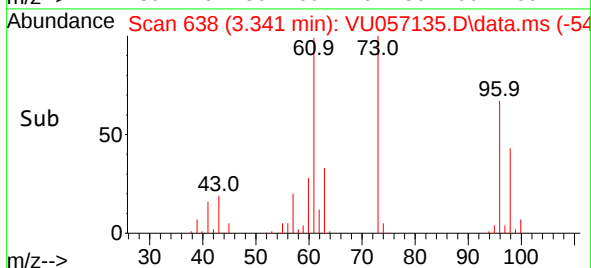
Tgt Ion: 73 Resp: 153547
Ion Ratio Lower Upper
73 100
43 19.8 15.4 23.0
57 21.0 16.2 24.2

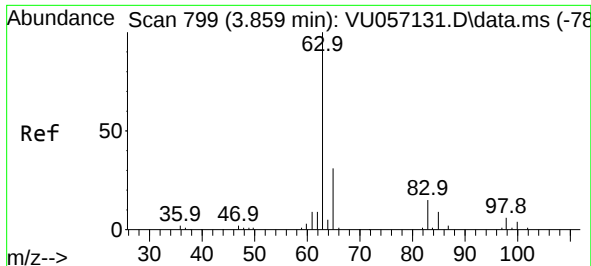


#18
trans-1,2-Dichloroethene
Concen: 4.980 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.006 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30



Tgt Ion: 96 Resp: 64695
Ion Ratio Lower Upper
96 100
61 146.2 98.4 182.8
98 64.0 43.6 81.0





#19

1,1-Dichloroethane

Concen: 4.892 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU057135.D

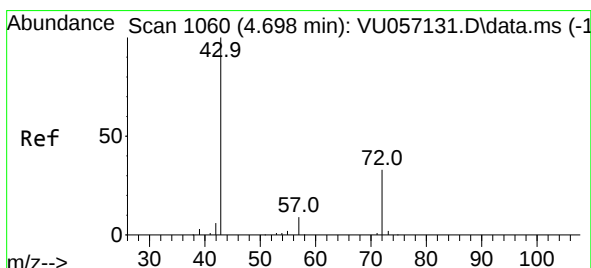
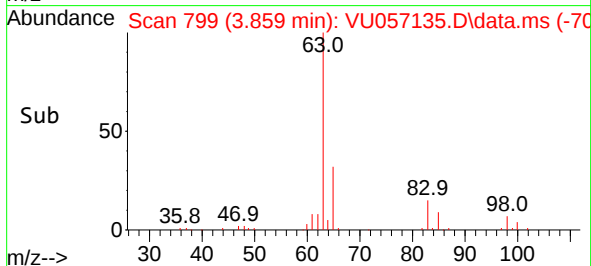
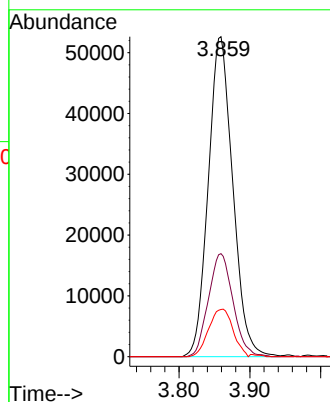
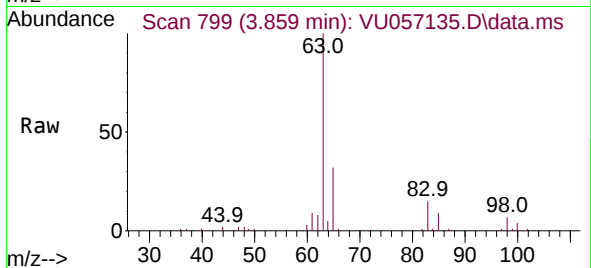
Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	126146
Ion	Ratio	Lower	Upper
63	100		
65	32.2	21.6	40.2
83	14.7	10.2	19.0



#21

2-Butanone

Concen: 52.414 ug/L

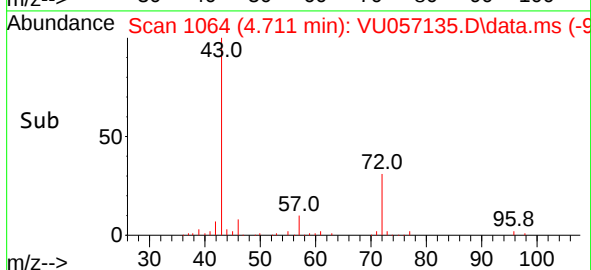
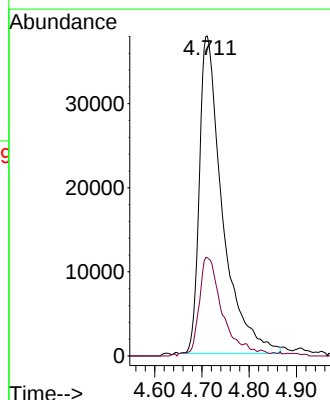
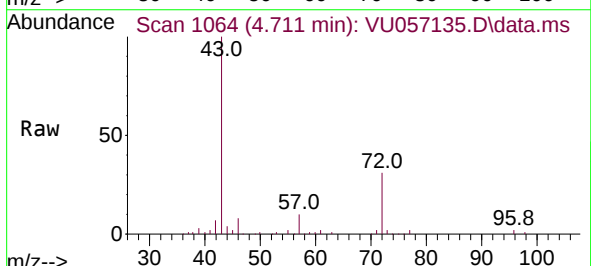
RT: 4.711 min Scan# 1064

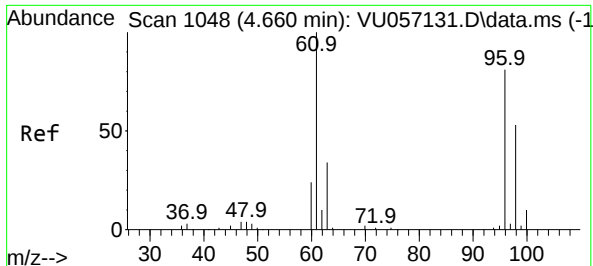
Delta R.T. 0.013 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Tgt Ion:	43	Resp:	128447
Ion	Ratio	Lower	Upper
43	100		
72	29.6	16.3	48.8





#22

cis-1,2-Dichloroethene

Concen: 5.188 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

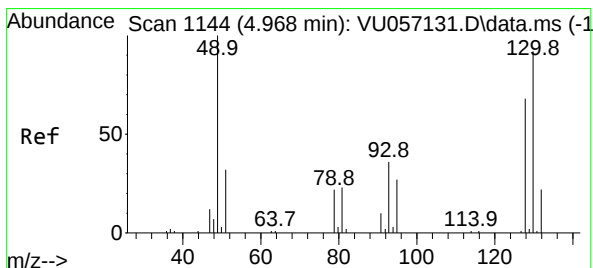
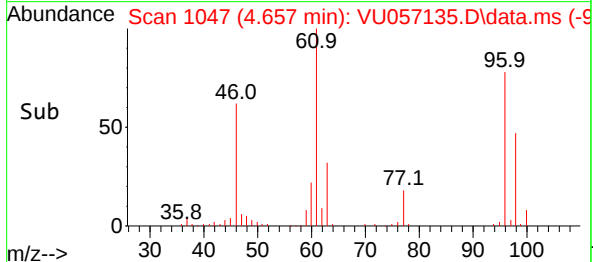
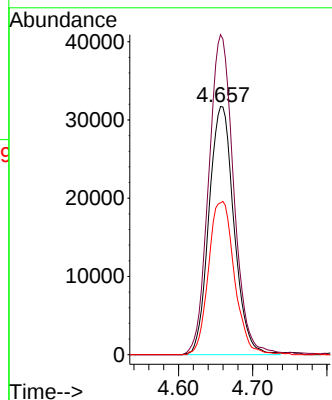
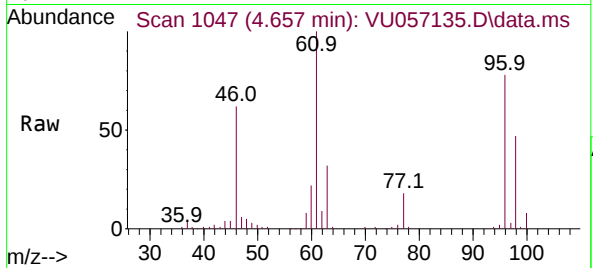
Tgt Ion: 96 Resp: 74239

Ion Ratio Lower Upper

96 100

61 128.9 86.8 161.2

98 61.2 45.5 84.5



#23

Bromochloromethane

Concen: 4.899 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.003 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Tgt Ion:128 Resp: 30374

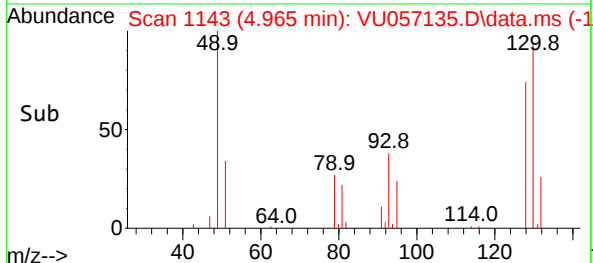
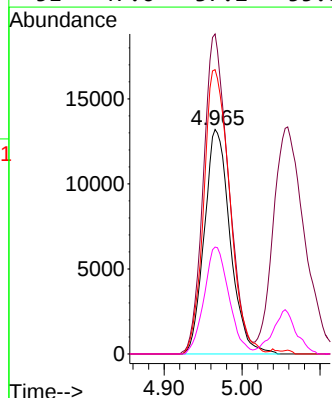
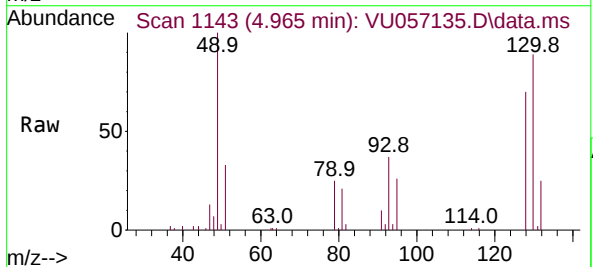
Ion Ratio Lower Upper

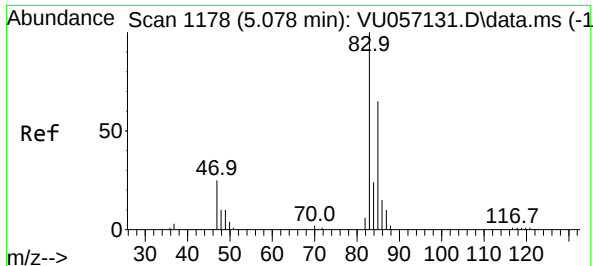
128 100

49 146.8 102.7 190.7

130 126.7 94.7 175.9

51 47.6 37.2 55.8





#25

Chloroform

Concen: 4.903 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

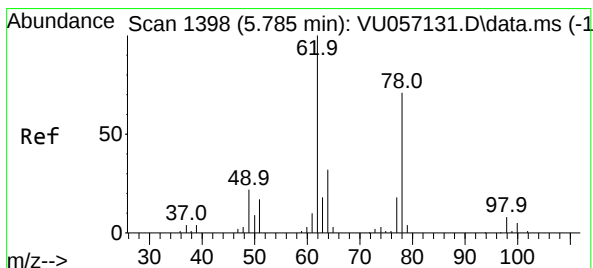
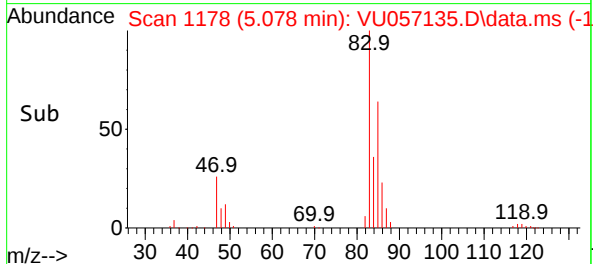
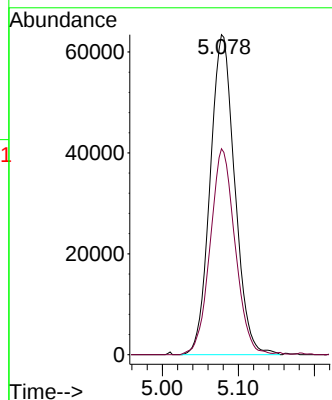
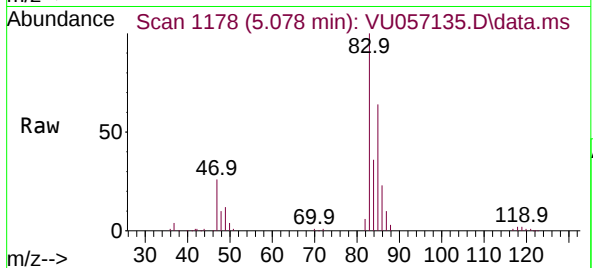
ClientSampleId :

Tgt Ion: 83 Resp: 142585

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 4.959 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU057135.D

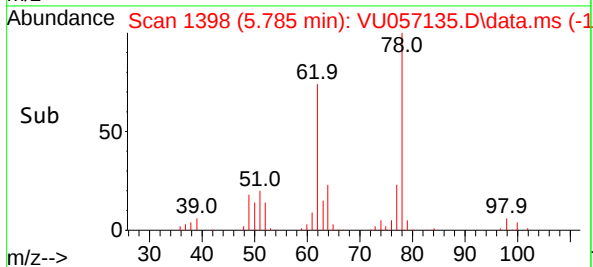
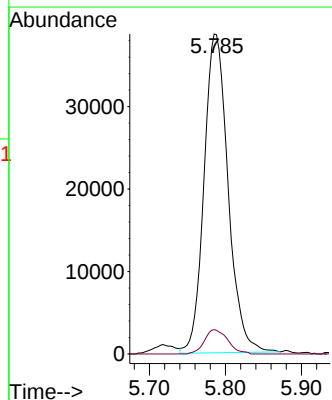
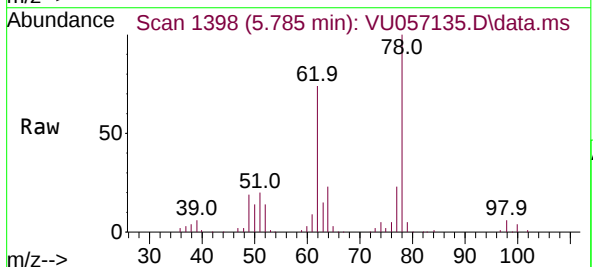
Acq: 21 Dec 2023 14:30

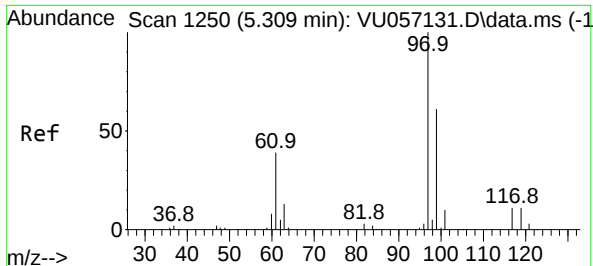
Tgt Ion: 62 Resp: 85103

Ion Ratio Lower Upper

62 100

98 7.6 6.3 9.5

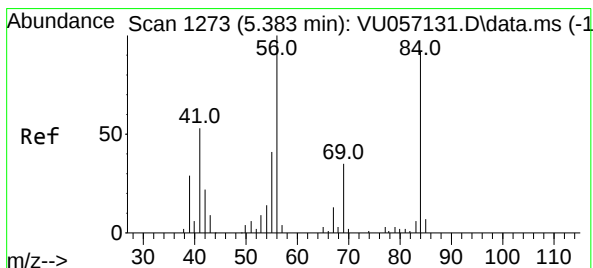
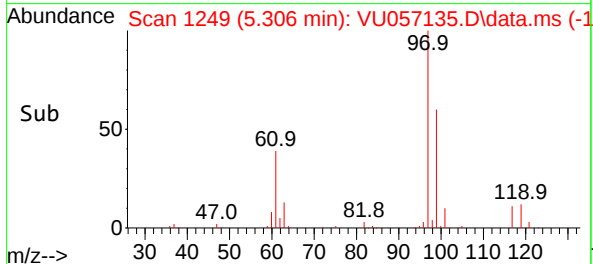
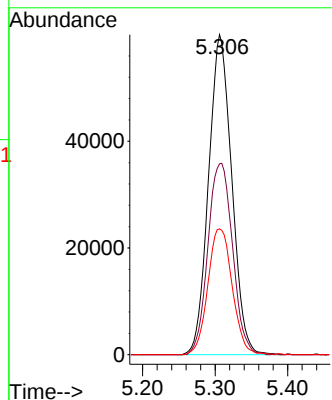
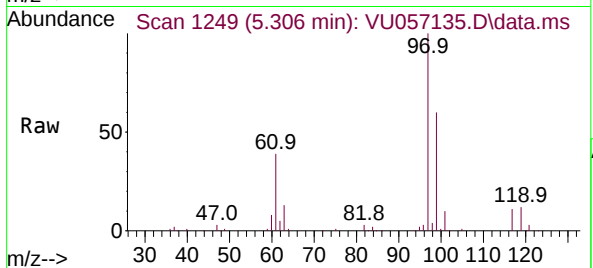




#29
1,1,1-Trichloroethane
Concen: 4.789 ug/L
RT: 5.306 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

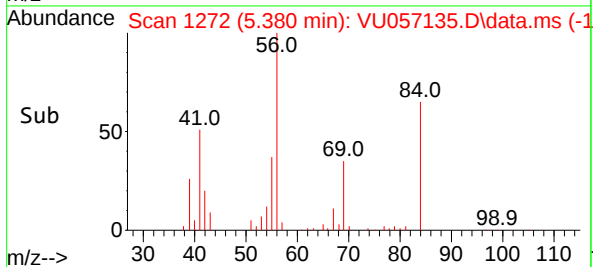
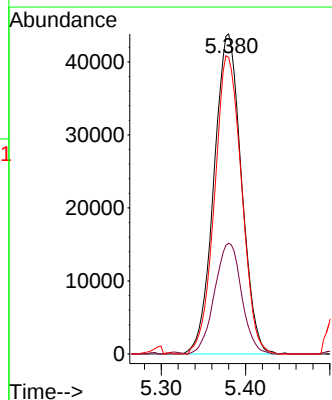
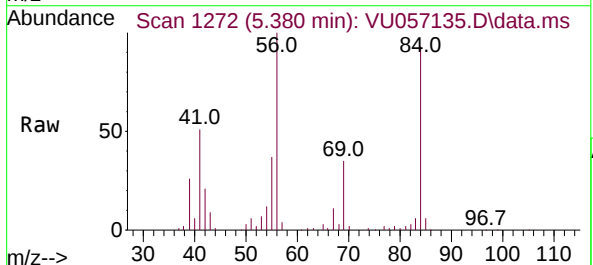
Instrument :
MSVOA_U
ClientSampleId :

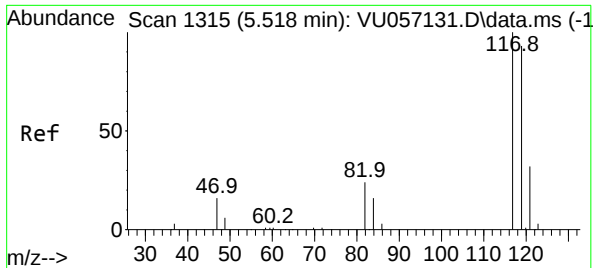
Tgt Ion: 97 Resp: 133298
Ion Ratio Lower Upper
97 100
99 63.7 51.2 76.8
61 41.4 32.5 48.7



#30
Cyclohexane
Concen: 5.265 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Tgt Ion: 56 Resp: 99078
Ion Ratio Lower Upper
56 100
69 34.0 26.7 40.1
84 91.5 74.9 112.3

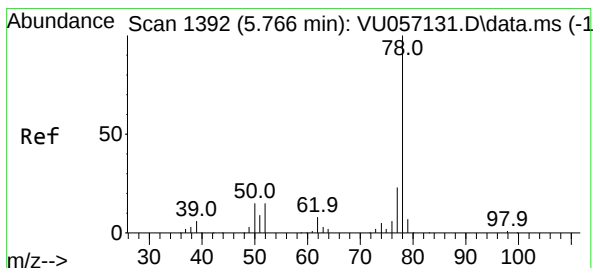
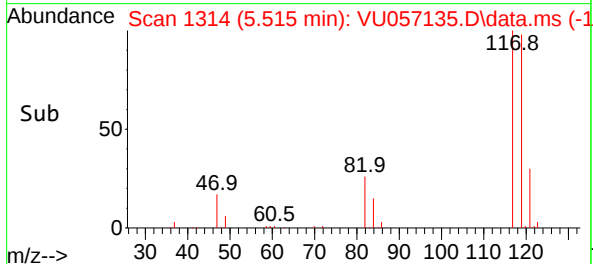
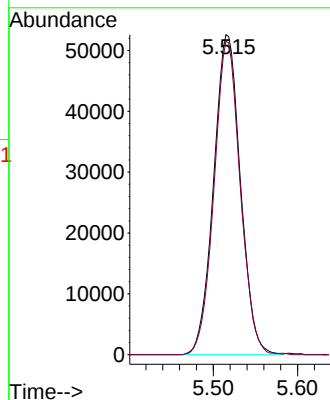
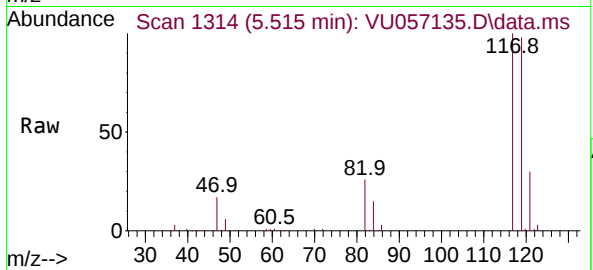




#31
Carbon tetrachloride
Concen: 4.731 ug/L
RT: 5.515 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

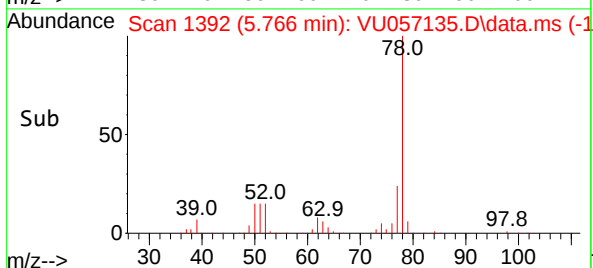
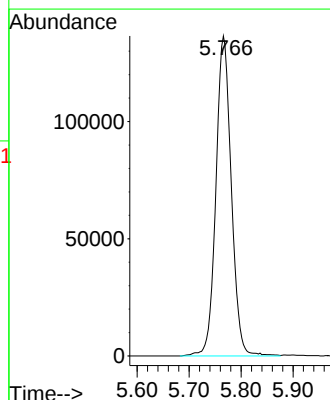
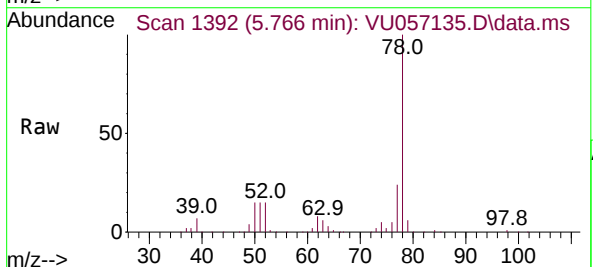
Instrument :
MSVOA_U
ClientSampleId :

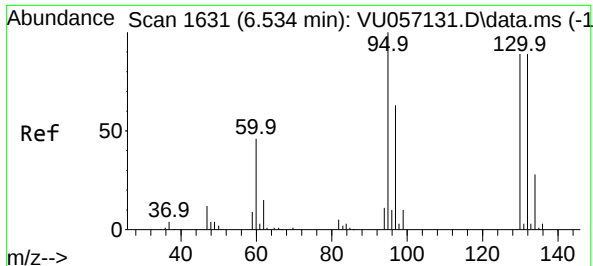
Tgt Ion:117 Resp: 115845
Ion Ratio Lower Upper
117 100
119 95.9 75.1 112.7



#33
Benzene
Concen: 5.063 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Tgt Ion: 78 Resp: 281081

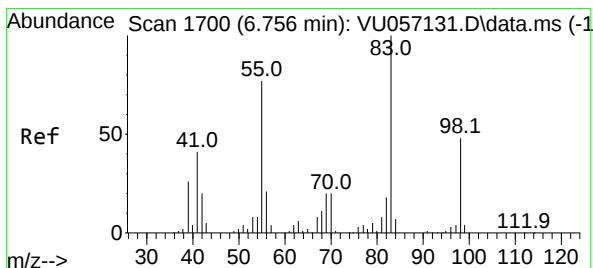
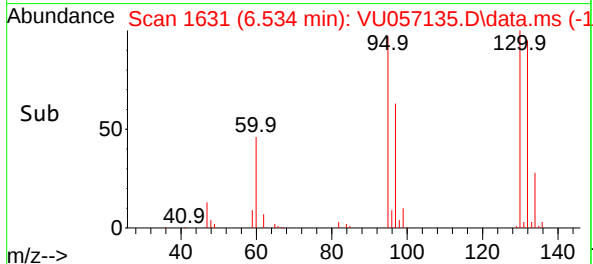
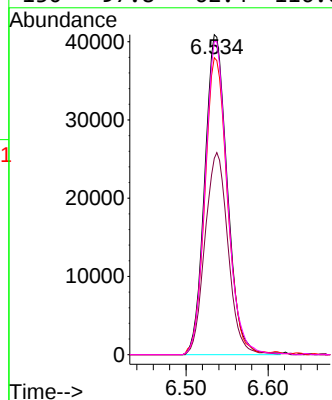
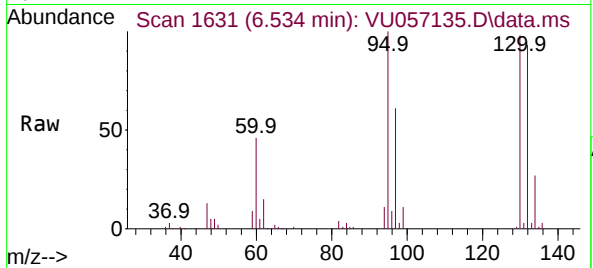




#34
Trichloroethene
Concen: 4.810 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

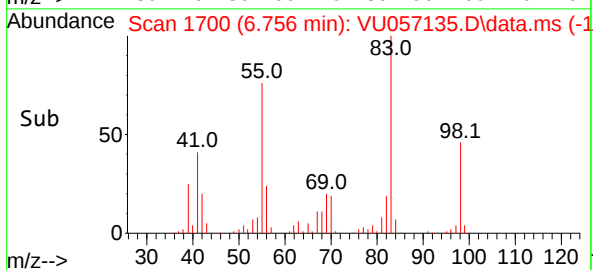
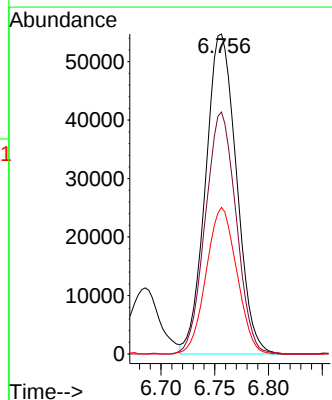
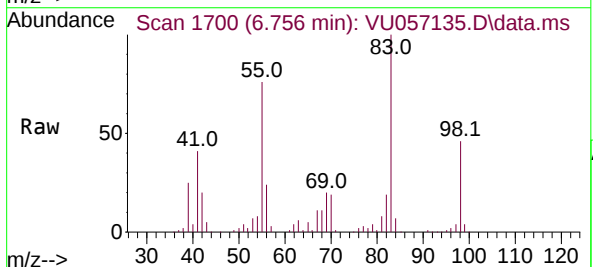
Instrument :
MSVOA_U
ClientSampleId :

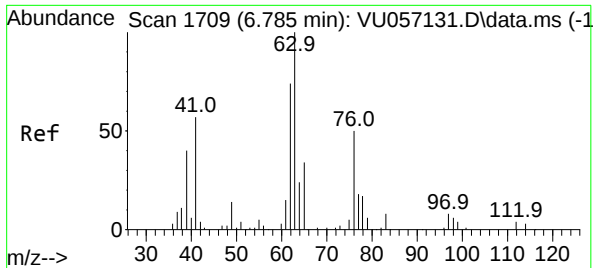
Tgt Ion: 95 Resp: 78110
Ion Ratio Lower Upper
95 100
97 61.3 44.3 82.3
132 92.8 62.6 116.2
130 97.8 62.4 116.0



#35
Methylcyclohexane
Concen: 5.112 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Tgt Ion: 83 Resp: 109282
Ion Ratio Lower Upper
83 100
55 75.5 61.3 91.9
98 45.4 36.6 55.0

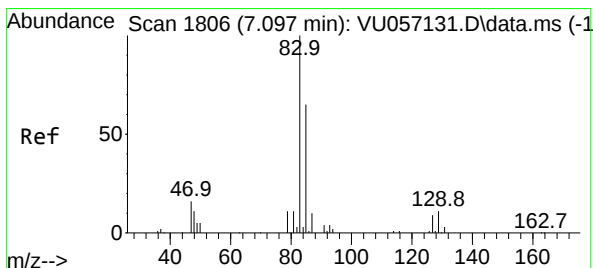
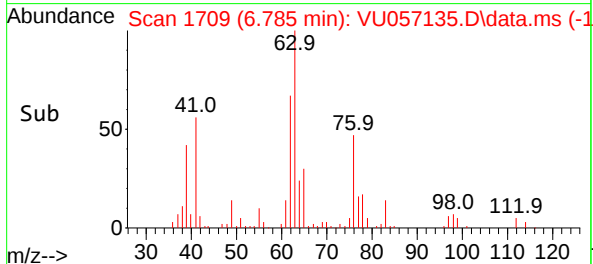
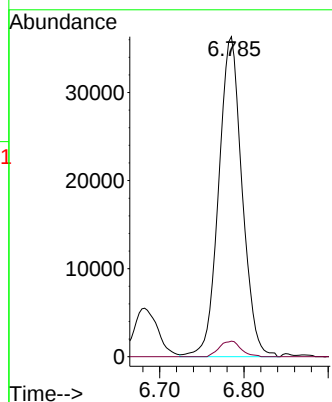
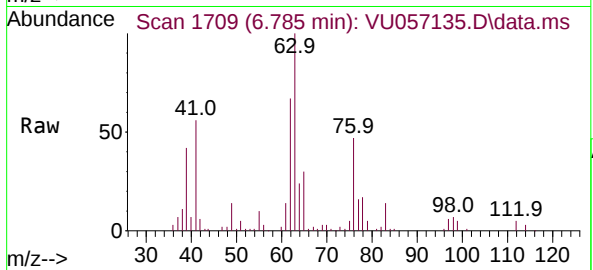




#37
1,2-Dichloropropane
Concen: 5.072 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. -0.000 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

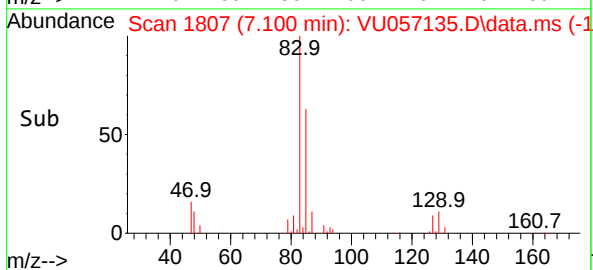
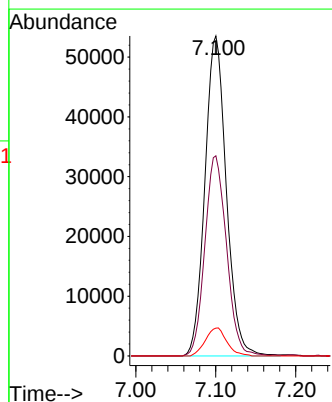
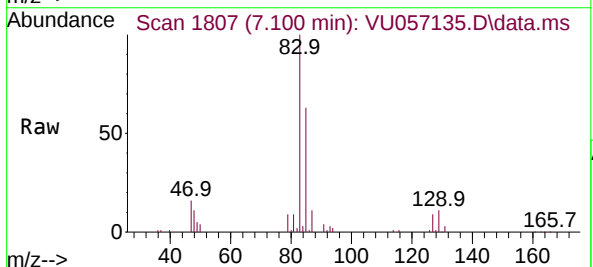
Instrument :
MSVOA_U
ClientSampleId :

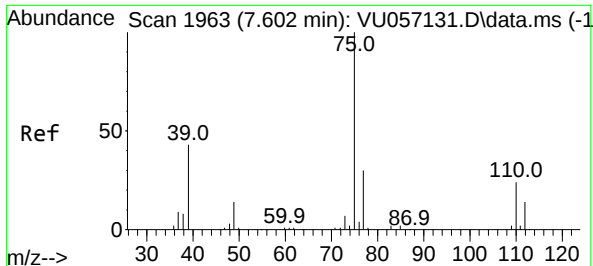
Tgt Ion: 63 Resp: 70054
Ion Ratio Lower Upper
63 100
112 4.5 3.1 4.7



#38
Bromodichloromethane
Concen: 5.002 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Tgt Ion: 83 Resp: 99946
Ion Ratio Lower Upper
83 100
85 62.5 45.8 85.0
127 8.7 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 5.244 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

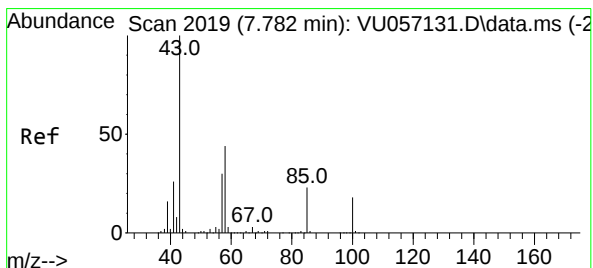
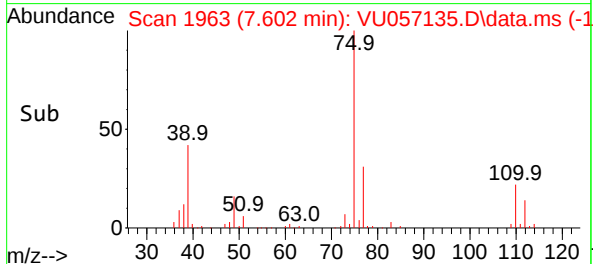
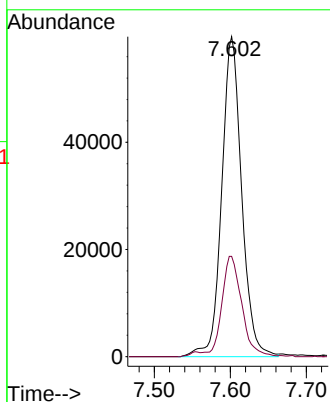
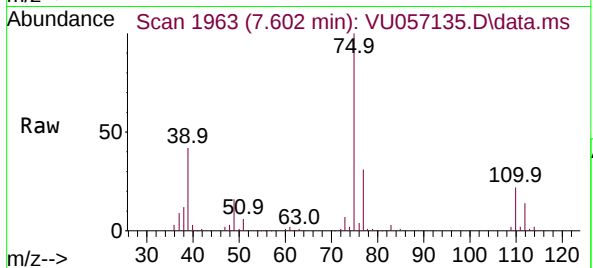
ClientSampleId :

Tgt Ion: 75 Resp: 108946

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 56.336 ug/L

RT: 7.791 min Scan# 2022

Delta R.T. 0.010 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

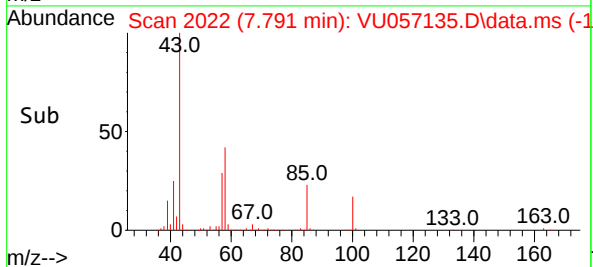
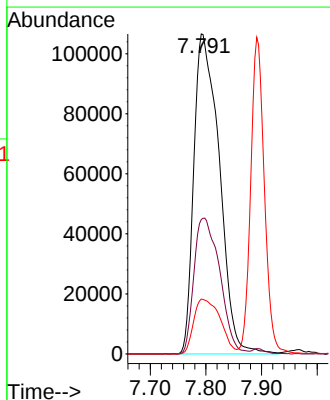
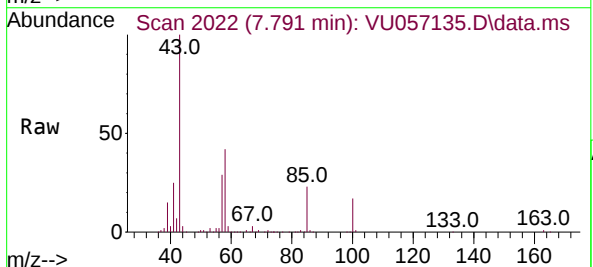
Tgt Ion: 43 Resp: 338259

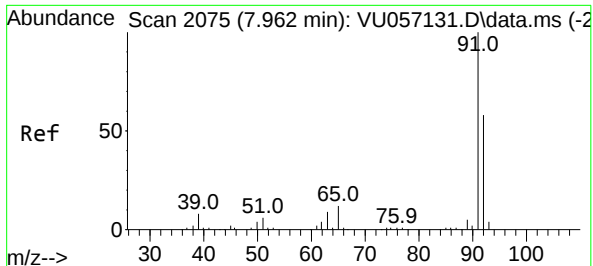
Ion Ratio Lower Upper

43 100

58 43.1 34.8 52.2

100 17.9 14.6 21.8





#42

Toluene

Concen: 5.182 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

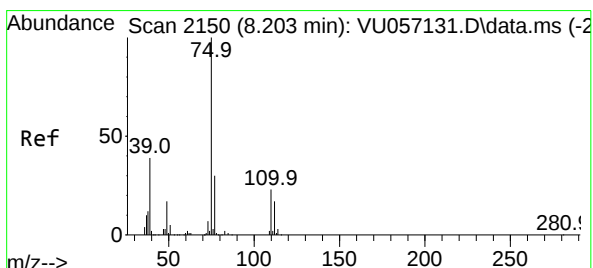
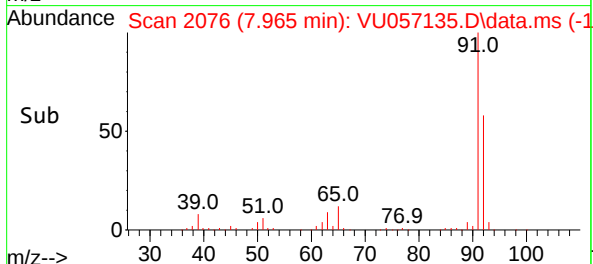
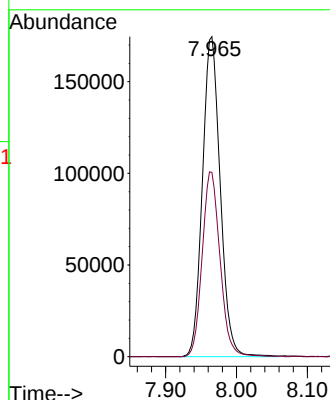
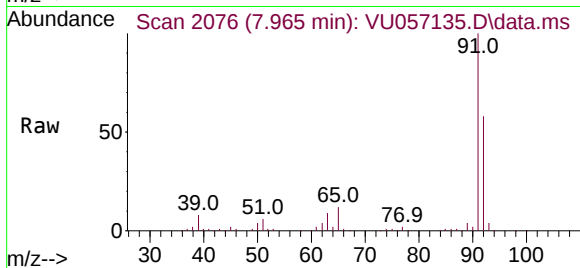
ClientSampleId :

Tgt Ion: 91 Resp: 304948

Ion Ratio Lower Upper

91 100

92 57.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 5.099 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU057135.D

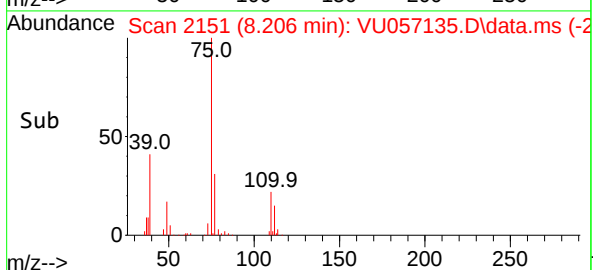
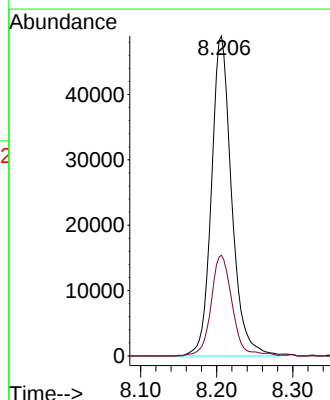
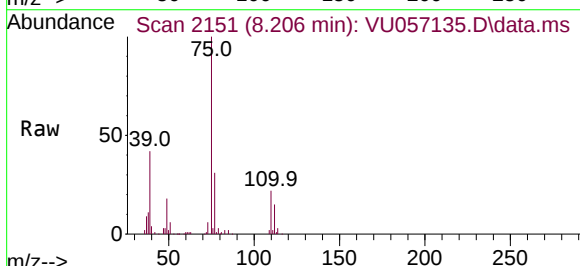
Acq: 21 Dec 2023 14:30

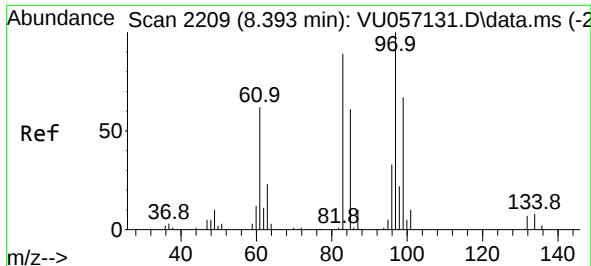
Tgt Ion: 75 Resp: 90403

Ion Ratio Lower Upper

75 100

77 31.5 21.4 39.8



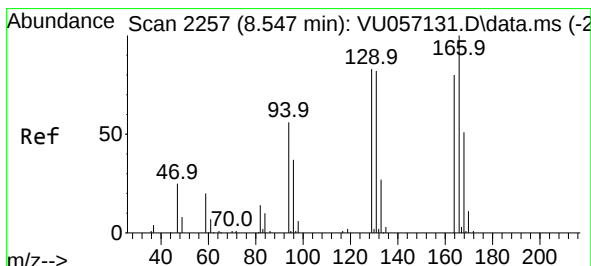
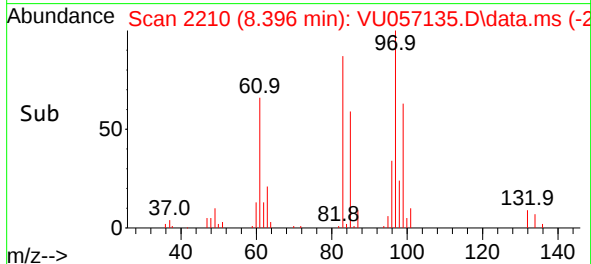
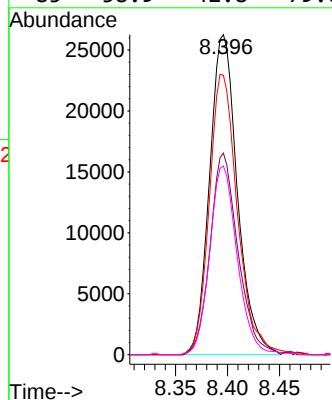
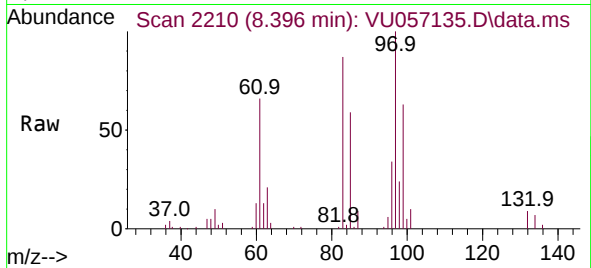


#45
1,1,2-Trichloroethane
Concen: 5.127 ug/L
RT: 8.396 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 48860

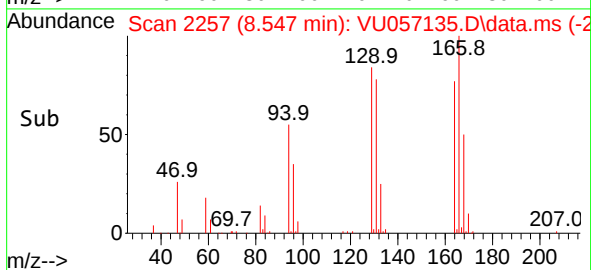
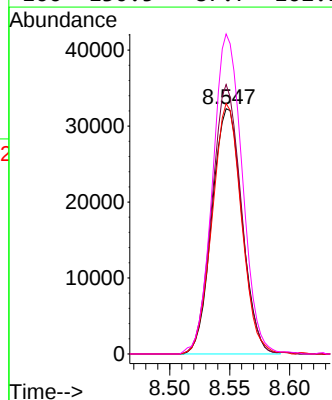
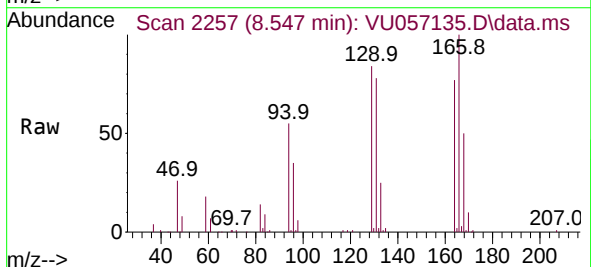
Ion	Ratio	Lower	Upper
97	100		
99	63.0	47.0	87.2
83	87.4	62.1	115.3
85	58.9	42.8	79.6

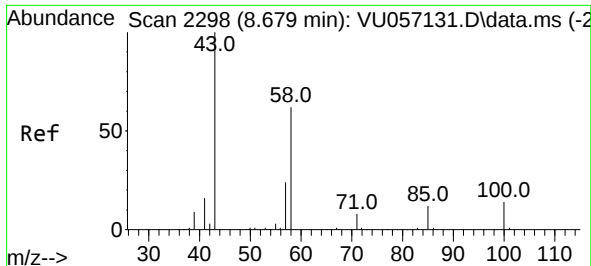


#47
Tetrachloroethene
Concen: 4.838 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Tgt Ion: 164 Resp: 56294

Ion	Ratio	Lower	Upper
164	100		
129	109.8	72.9	135.3
131	102.1	71.7	133.3
166	130.5	87.7	162.9

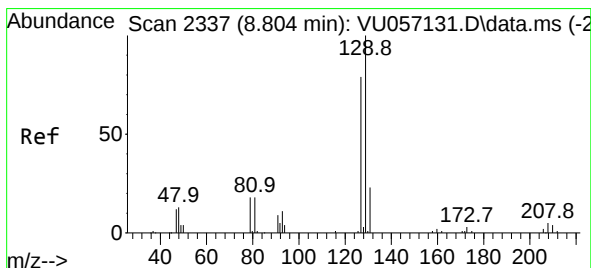
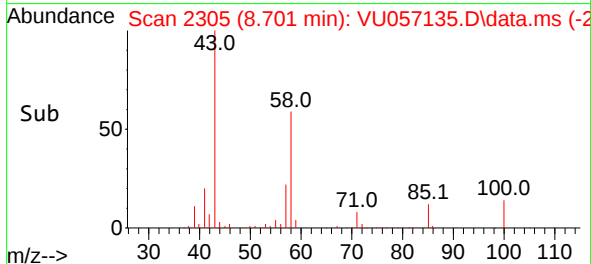
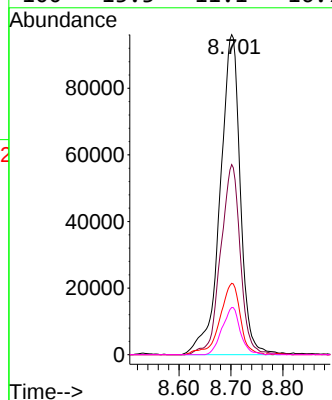
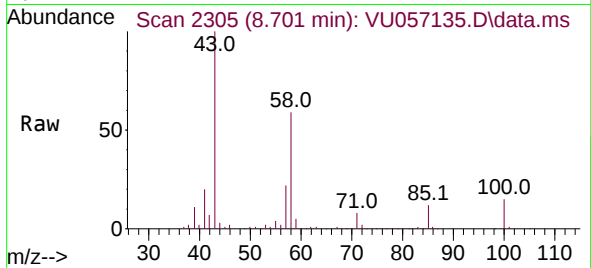




#48
2-Hexanone
Concen: 58.696 ug/L
RT: 8.701 min Scan# 21
Delta R.T. 0.022 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

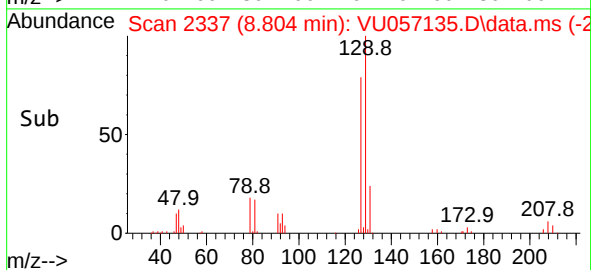
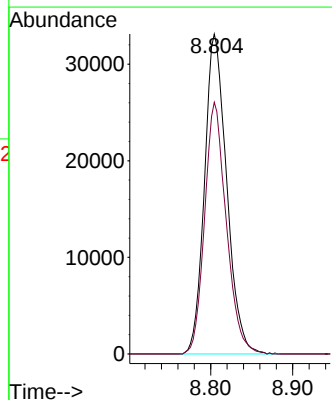
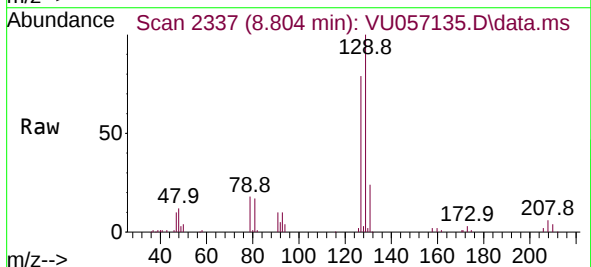
Instrument :
MSVOA_U
ClientSampleId :

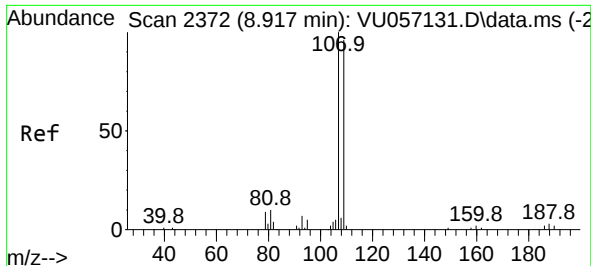
Tgt Ion: 43 Resp: 259294
Ion Ratio Lower Upper
43 100
58 57.9 49.8 74.8
57 22.8 18.5 27.7
100 13.3 11.1 16.7



#49
Dibromochloromethane
Concen: 5.028 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Tgt Ion:129 Resp: 62107
Ion Ratio Lower Upper
129 100
127 78.7 55.2 102.6





#50

1,2-Dibromoethane

Concen: 5.168 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057135.D

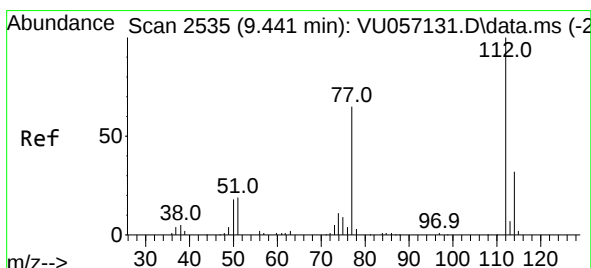
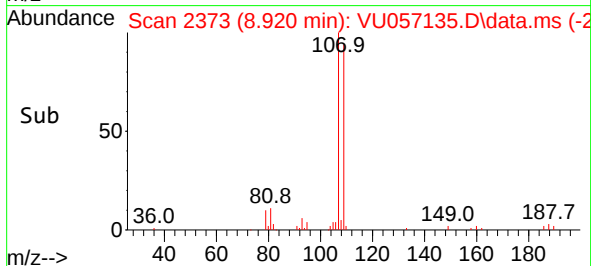
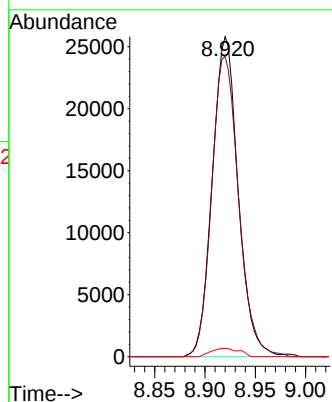
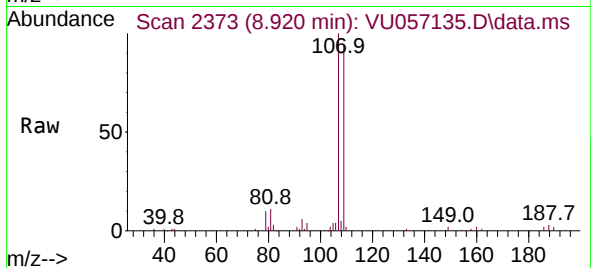
Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	46234
Ion Ratio	Lower	Upper
107	100	
109	93.9	66.8 124.2
188	2.6	2.6 4.0#



#51

Chlorobenzene

Concen: 5.172 ug/L

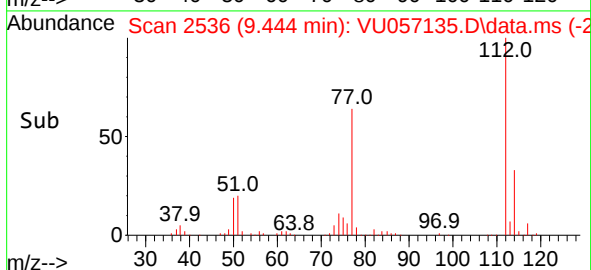
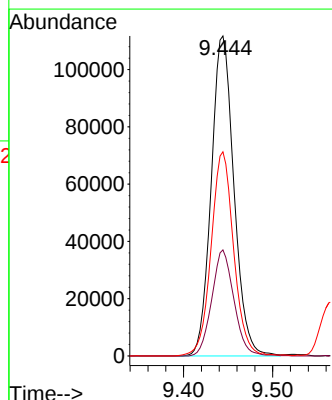
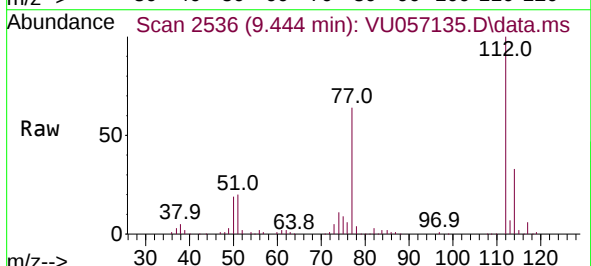
RT: 9.444 min Scan# 2536

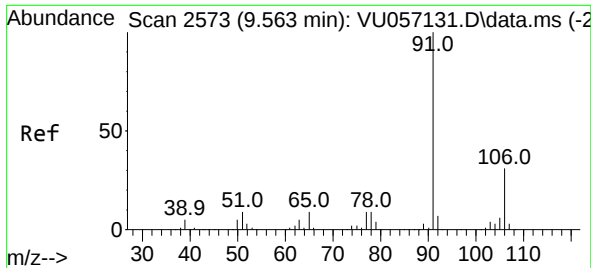
Delta R.T. 0.003 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Tgt Ion:112	Resp:	198068
Ion Ratio	Lower	Upper
112	100	
114	33.1	22.7 42.1
77	63.8	52.2 78.2

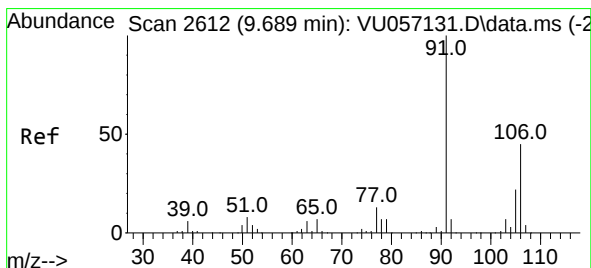
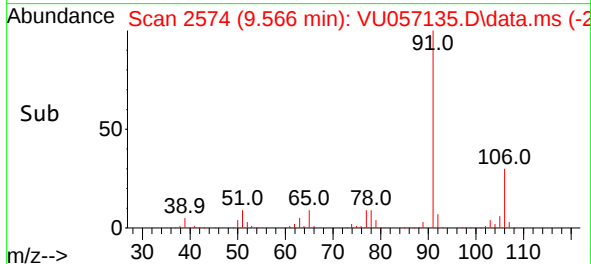
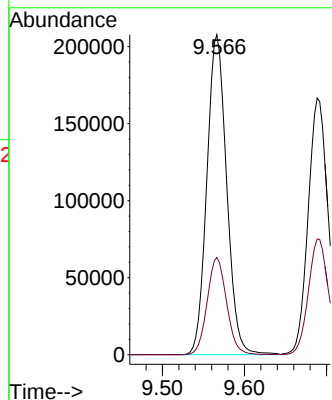
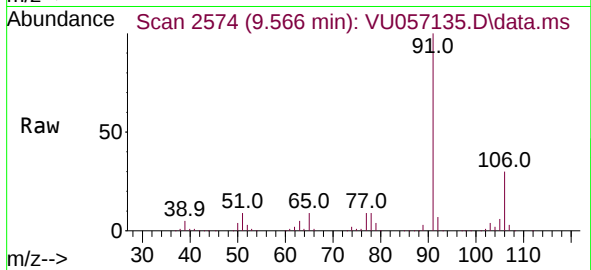




#52
Ethylbenzene
Concen: 5.251 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

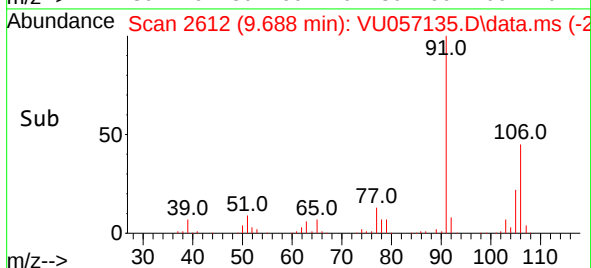
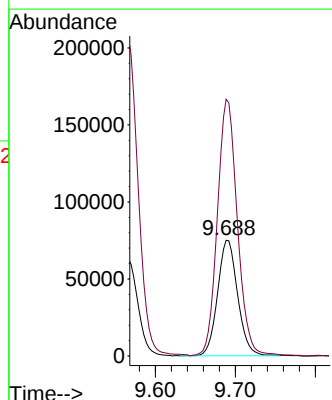
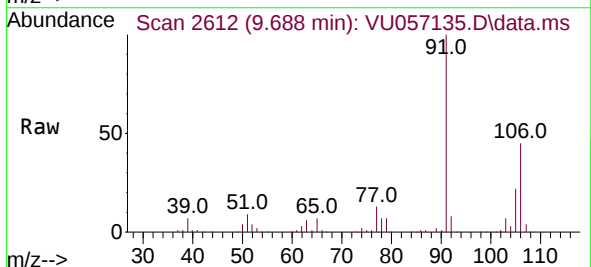
Instrument :
MSVOA_U
ClientSampleId :

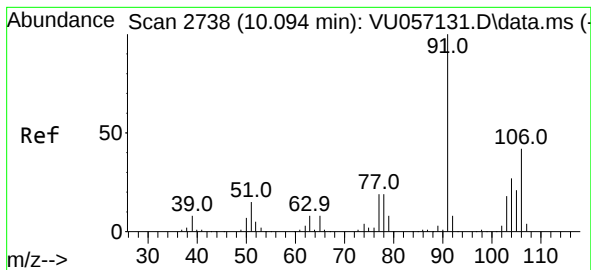
Tgt Ion: 91 Resp: 348162
Ion Ratio Lower Upper
91 100
106 30.4 21.6 40.2



#53
m,p-Xylene
Concen: 5.361 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Tgt Ion:106 Resp: 130021
Ion Ratio Lower Upper
106 100
91 221.8 154.5 286.9





#54

o-Xylene

Concen: 5.450 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

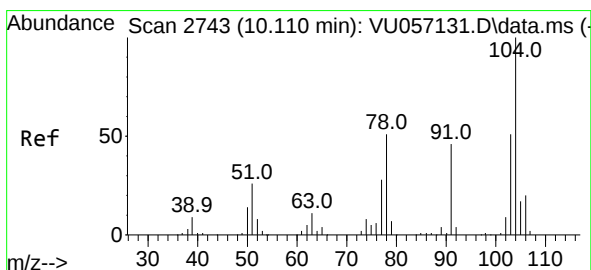
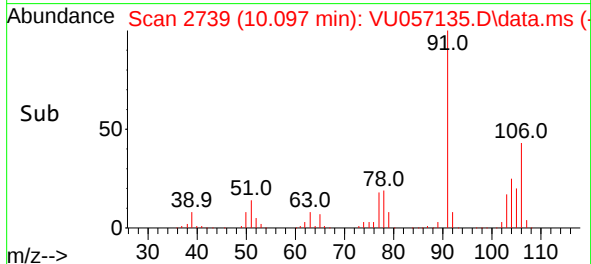
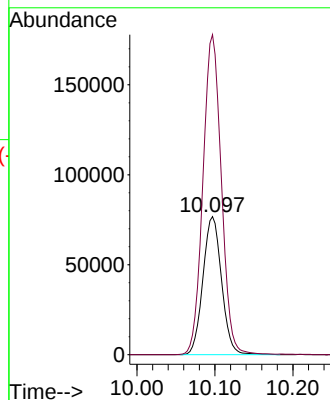
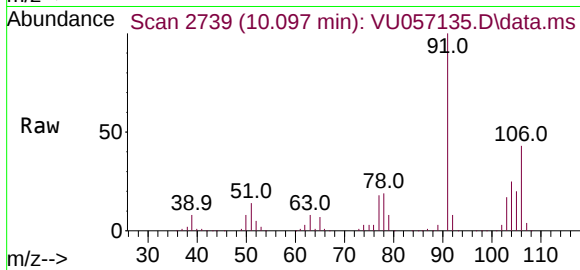
ClientSampleId :

Tgt Ion:106 Resp: 127538

Ion Ratio Lower Upper

106 100

91 231.7 165.4 307.2



#55

Styrene

Concen: 5.608 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU057135.D

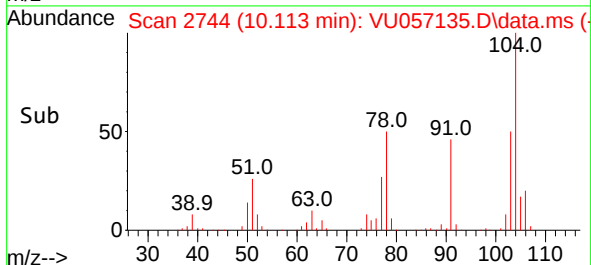
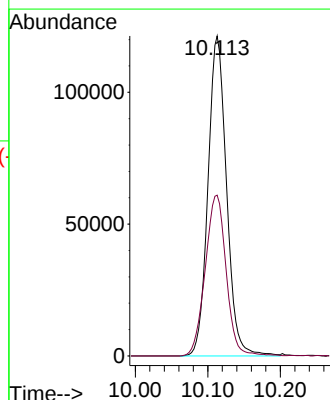
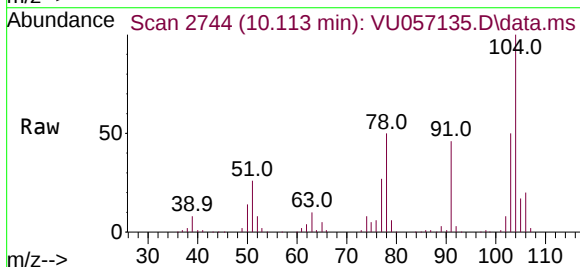
Acq: 21 Dec 2023 14:30

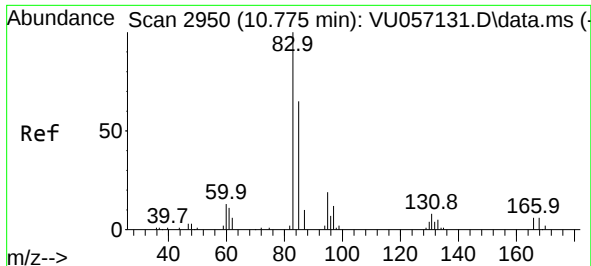
Tgt Ion:104 Resp: 216467

Ion Ratio Lower Upper

104 100

78 50.2 35.8 66.6

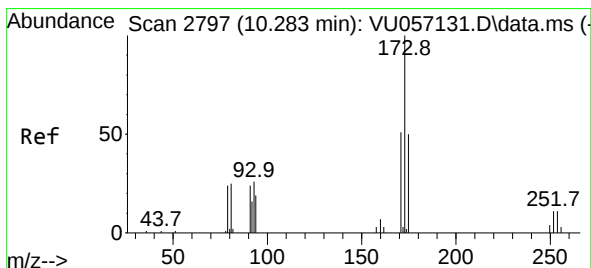
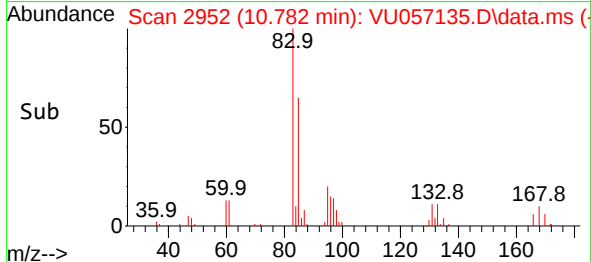
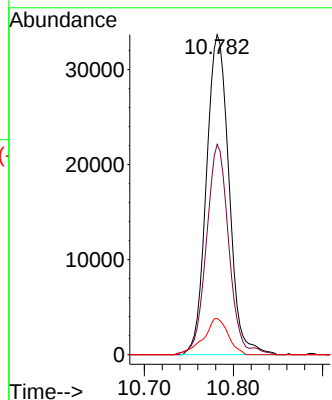
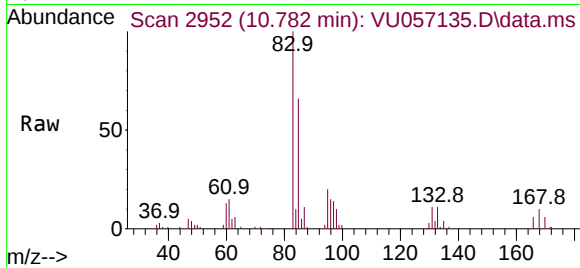




#57
1,1,2,2-Tetrachloroethane
Concen: 5.151 ug/L
RT: 10.782 min Scan# 2950
Delta R.T. 0.006 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

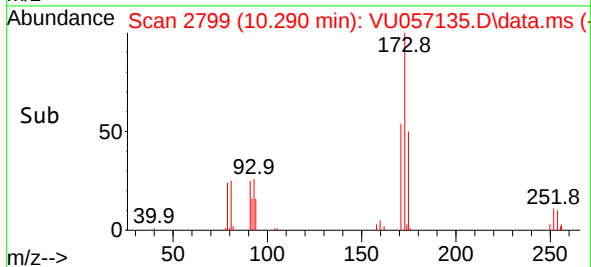
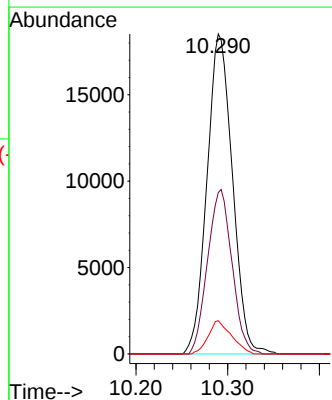
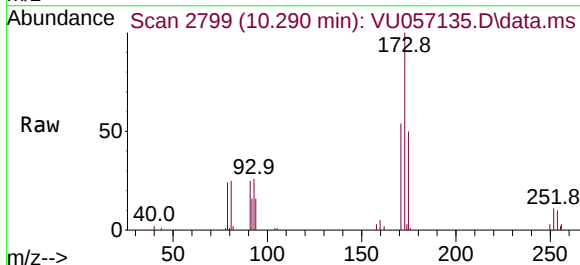
Instrument :
MSVOA_U
ClientSampleId :

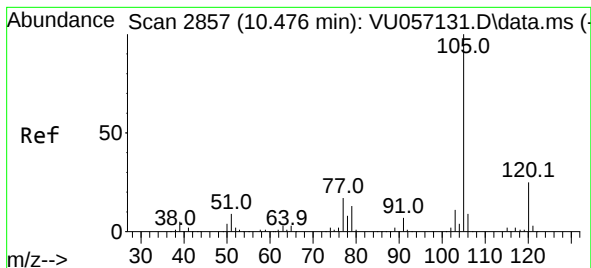
Tgt Ion: 83 Resp: 59187
Ion Ratio Lower Upper
83 100
85 65.7 45.8 85.2
131 11.3 7.0 10.6#



#59
Bromoform
Concen: 5.275 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.006 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Tgt Ion:173 Resp: 35724
Ion Ratio Lower Upper
173 100
175 49.3 40.5 60.7
254 9.5 8.1 12.1





#60

Isopropylbenzene

Concen: 5.478 ug/L

RT: 10.479 min Scan# 2857

Delta R.T. 0.003 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

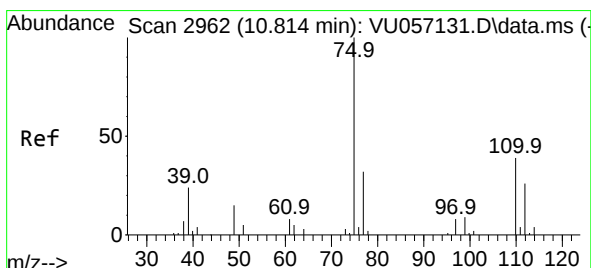
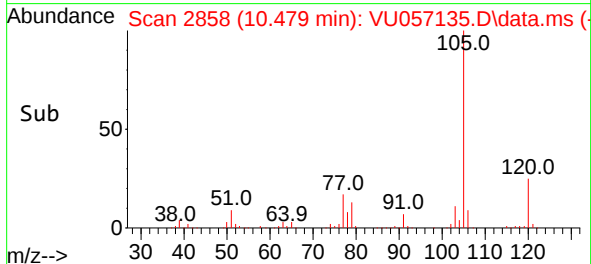
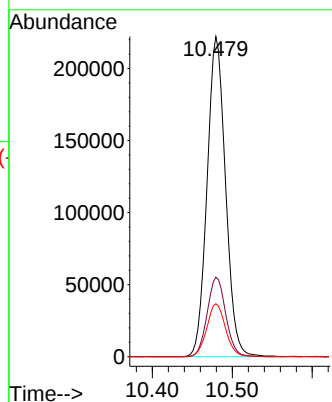
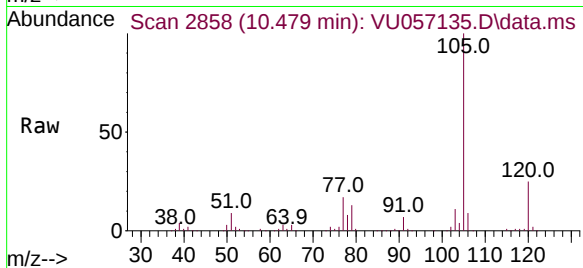
Tgt Ion:105 Resp: 356440

Ion Ratio Lower Upper

105 100

120 24.9 19.8 29.8

77 16.8 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 5.328 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. 0.006 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

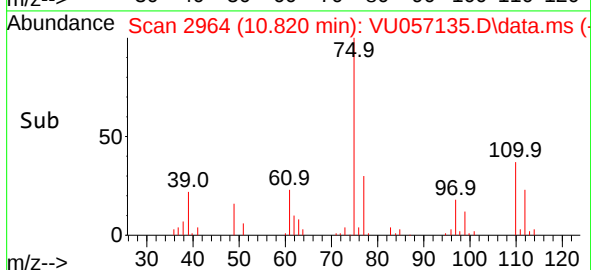
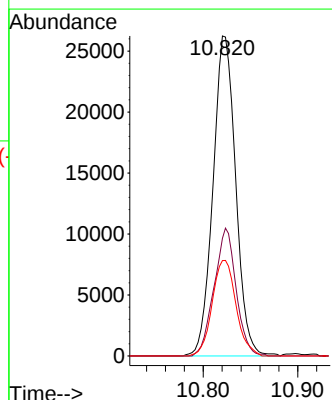
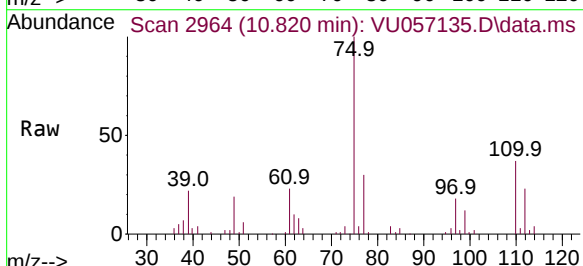
Tgt Ion: 75 Resp: 43810

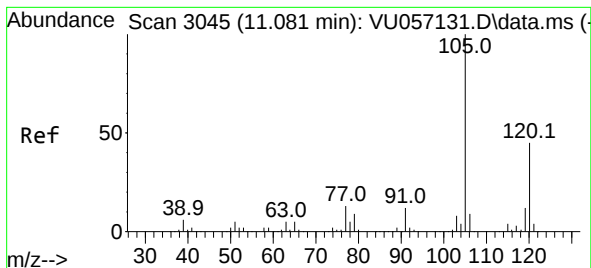
Ion Ratio Lower Upper

75 100

110 38.7 31.2 46.8

77 31.3 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.517 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

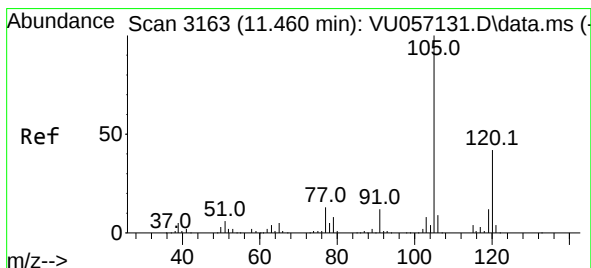
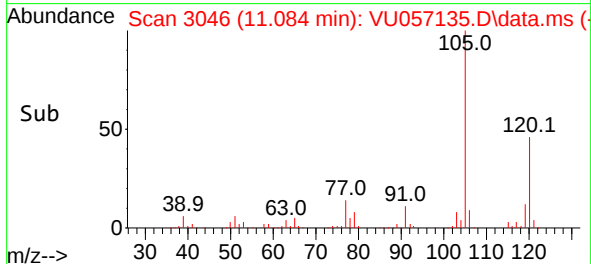
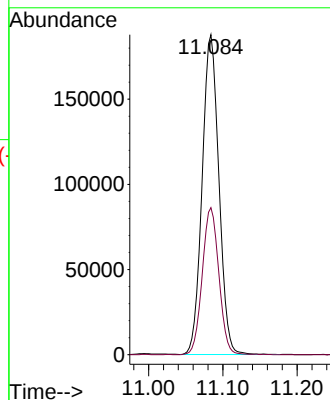
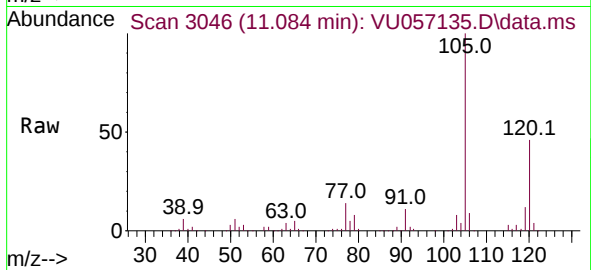
ClientSampleId :

Tgt Ion:105 Resp: 294148

Ion Ratio Lower Upper

105 100

120 45.5 35.8 53.8



#63

1,2,4-Trimethylbenzene

Concen: 5.669 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU057135.D

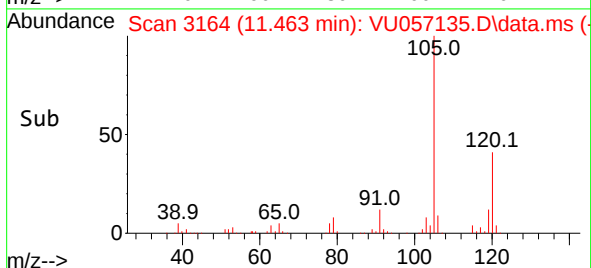
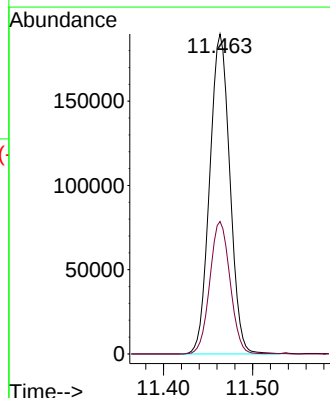
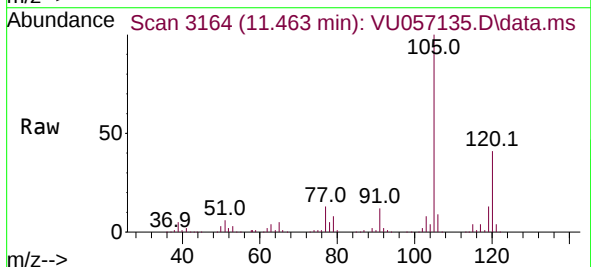
Acq: 21 Dec 2023 14:30

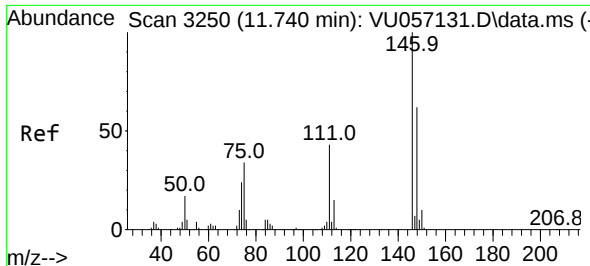
Tgt Ion:105 Resp: 298264

Ion Ratio Lower Upper

105 100

120 41.5 33.9 50.9

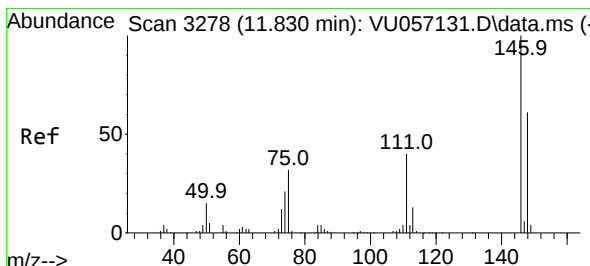
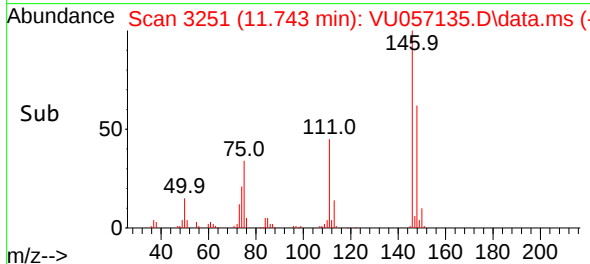
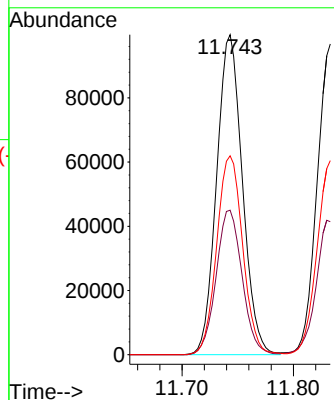
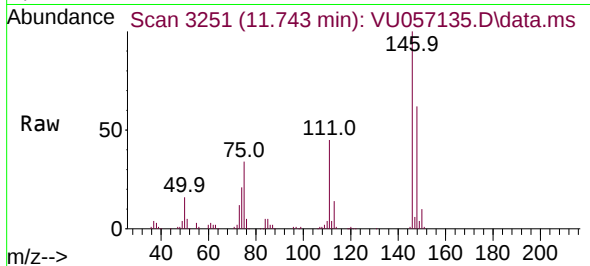




#64
1,3-Dichlorobenzene
Concen: 5.206 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

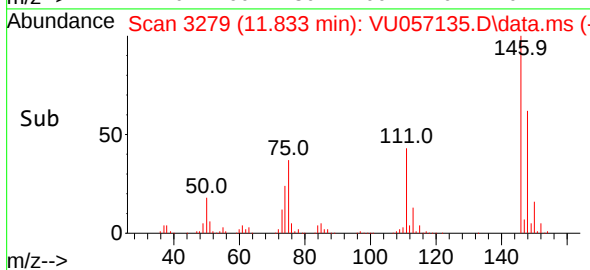
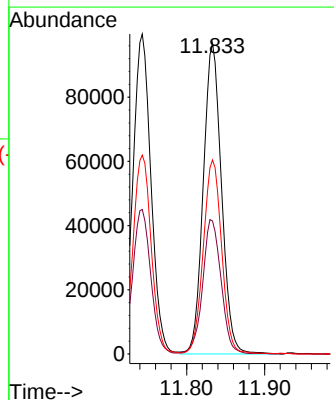
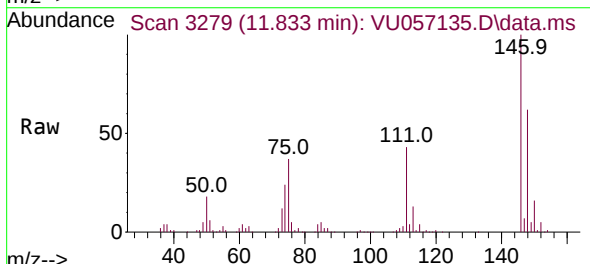
Instrument :
MSVOA_U
ClientSampleId :

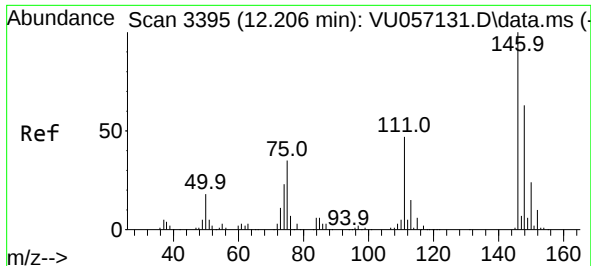
Tgt Ion:146 Resp: 160114
Ion Ratio Lower Upper
146 100
111 45.2 30.4 56.4
148 62.1 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 5.077 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Tgt Ion:146 Resp: 157172
Ion Ratio Lower Upper
146 100
111 42.8 28.1 52.3
148 62.5 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 5.128 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

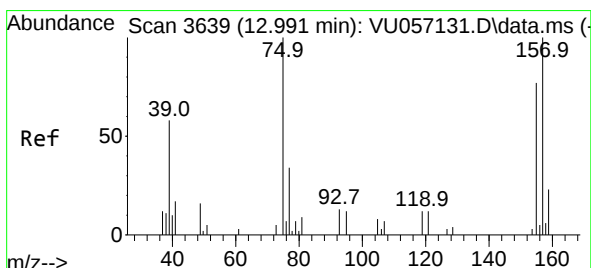
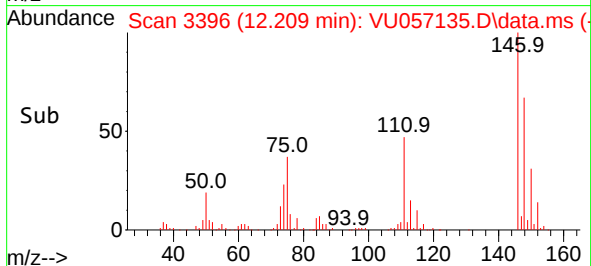
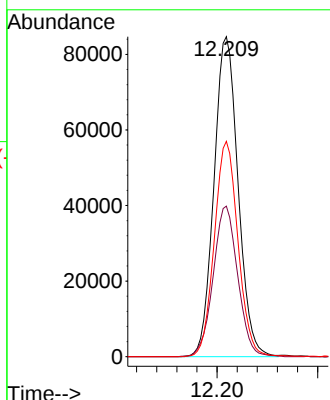
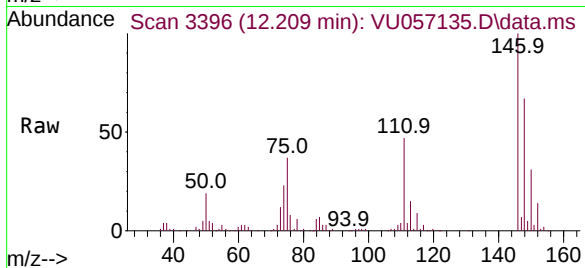
Tgt Ion:146 Resp: 141040

Ion Ratio Lower Upper

146 100

111 47.1 37.9 56.9

148 67.3 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.925 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

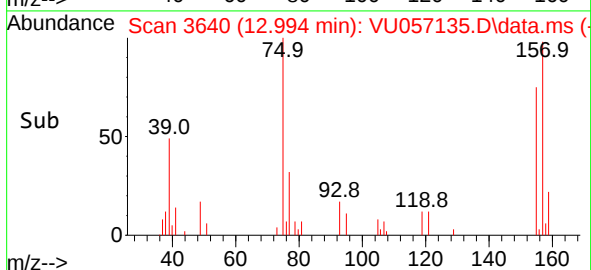
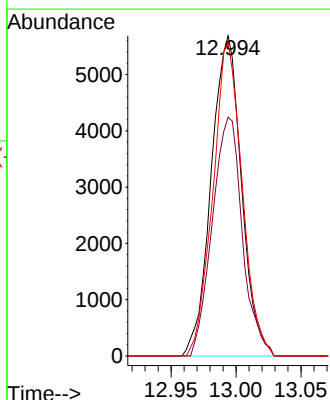
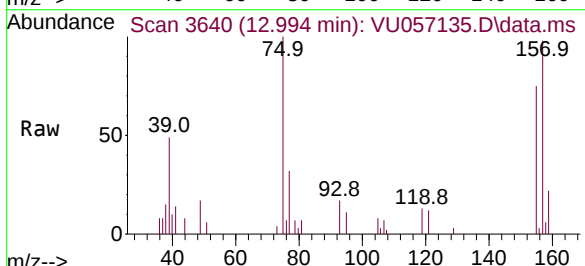
Tgt Ion: 75 Resp: 9185

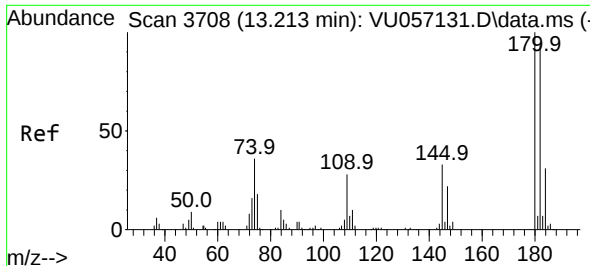
Ion Ratio Lower Upper

75 100

155 74.7 61.4 92.0

157 97.9 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 5.226 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

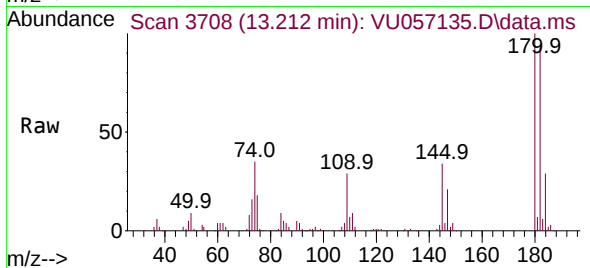
Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 119574

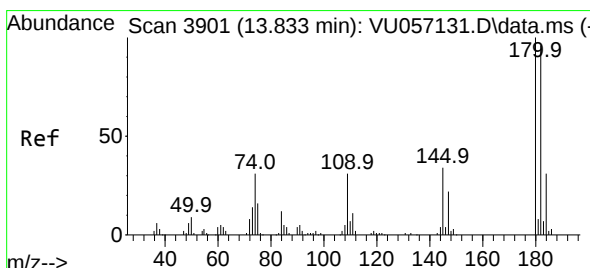
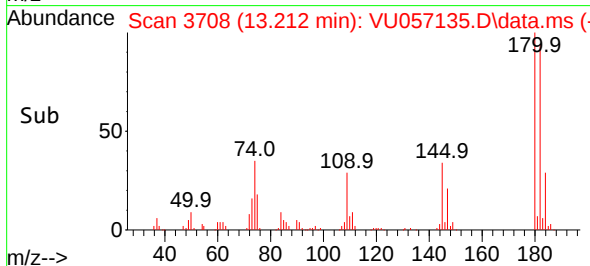
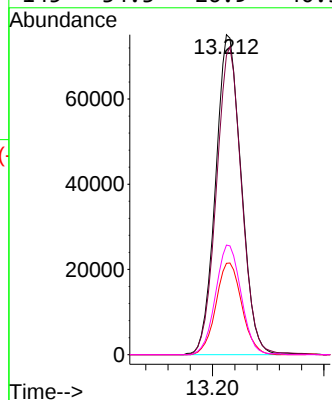
Ion Ratio Lower Upper

180 100

182 95.2 75.6 113.4

184 29.1 24.2 36.2

145 34.3 26.9 40.3



#70

1,2,4-trichlorobenzene

Concen: 5.140 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU057135.D

Acq: 21 Dec 2023 14:30

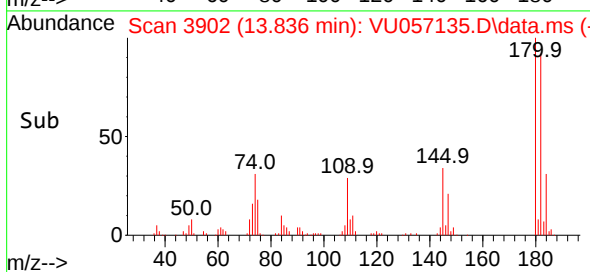
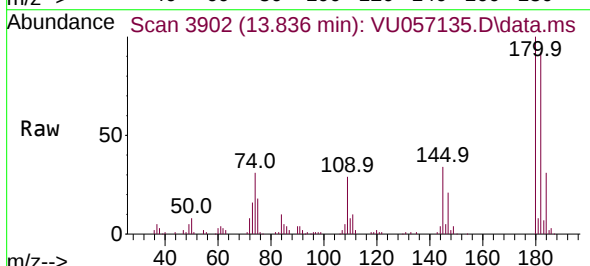
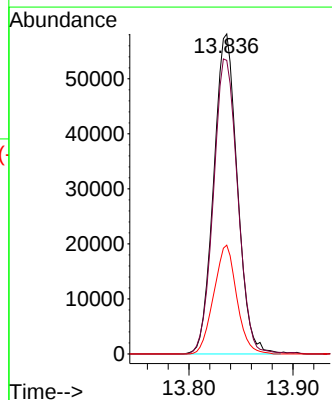
Tgt Ion:180 Resp: 92091

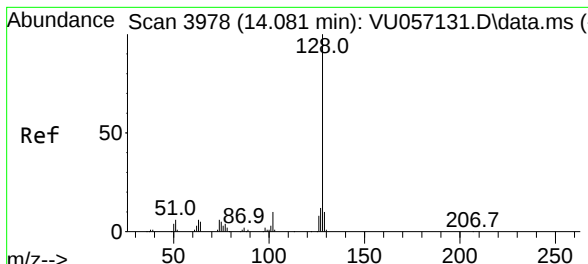
Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.0

145 33.0 27.7 41.5

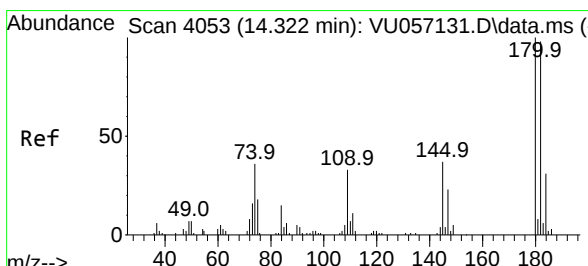
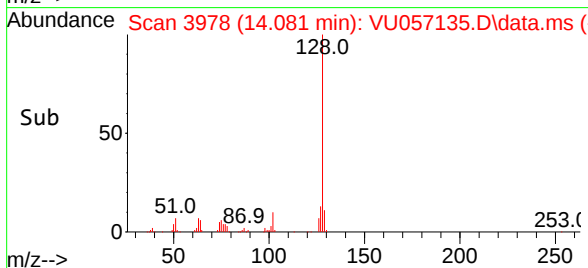
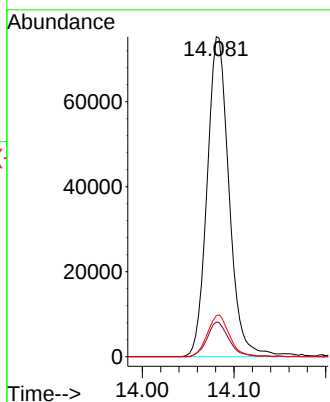
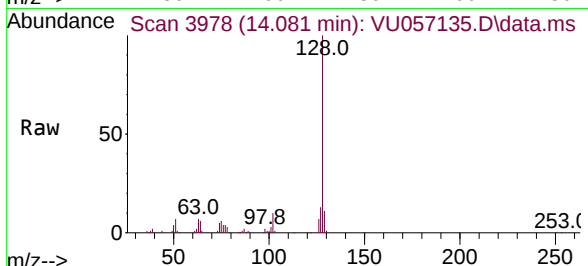




#71
Naphthalene
Concen: 5.514 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	124959
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.2	12.4
127	13.2	10.2	15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.239 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU057135.D
Acq: 21 Dec 2023 14:30

Tgt Ion:	180	Resp:	73207
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.2	114.4
145	35.6	28.9	43.3

