

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121823\
 Data File : VU057007.D
 Acq On : 18 Dec 2023 20:48
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 19 01:44:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 19 01:20:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	272607	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	243884	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127355	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	96777	4.142	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	82.800%	
7) Chloroethane-d5	1.904	69	78682	4.500	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.000%	
11) 1,1-Dichloroethene-d2	2.560	65	43454	4.346	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	87.000%	
20) 2-Butanone-d5	4.615	46	183269	39.715	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	79.420%	
24) Chloroform-d	5.055	84	194773	4.402	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.000%	
26) 1,2-Dichloroethane-d4	5.695	65	87961	4.201	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	84.000%	
32) Benzene-d6	5.721	84	367944	4.864	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.200%	
36) 1,2-Dichloropropane-d6	6.682	67	112094	4.734	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	94.600%	
41) Toluene-d8	7.891	98	304540	4.504	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.000%	
43) trans-1,3-Dichloroprop...	8.174	79	37493	4.083	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	81.600%	
46) 2-Hexanone-d5	8.627	63	146324	42.253	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	84.500%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	73693	4.302	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	86.000%	
66) 1,2-Dichlorobenzene-d4	12.187	152	106326	4.247	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	85.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	129397	4.530	ug/L	98
3) Chloromethane	1.515	50	138205	4.921	ug/L	98
5) Vinyl chloride	1.599	62	139139	4.988	ug/L	100
6) Bromomethane	1.850	94	60942	3.706	ug/L	100
8) Chloroethane	1.927	64	86130	5.271	ug/L	99
9) Trichlorofluoromethane	2.133	101	194275	4.942	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	118857	4.930	ug/L	98
12) 1,1-Dichloroethene	2.573	96	109443	4.945	ug/L	96
13) Acetone	2.621	43	134688	47.894	ug/L	98
14) Carbon disulfide	2.788	76	338309	4.406	ug/L	100
15) Methyl Acetate	2.946	43	38991	5.093	ug/L	99
16) Methylene chloride	3.039	84	147951	6.136	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	242522	4.942	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	110601	4.929	ug/L	99
19) 1,1-Dichloroethane	3.859	63	220849	5.116	ug/L	97
21) 2-Butanone	4.695	43	226894	47.843	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	123367	5.053	ug/L	97
23) Bromochloromethane	4.968	128	53600	5.244	ug/L	95
25) Chloroform	5.078	83	234865	5.194	ug/L	98

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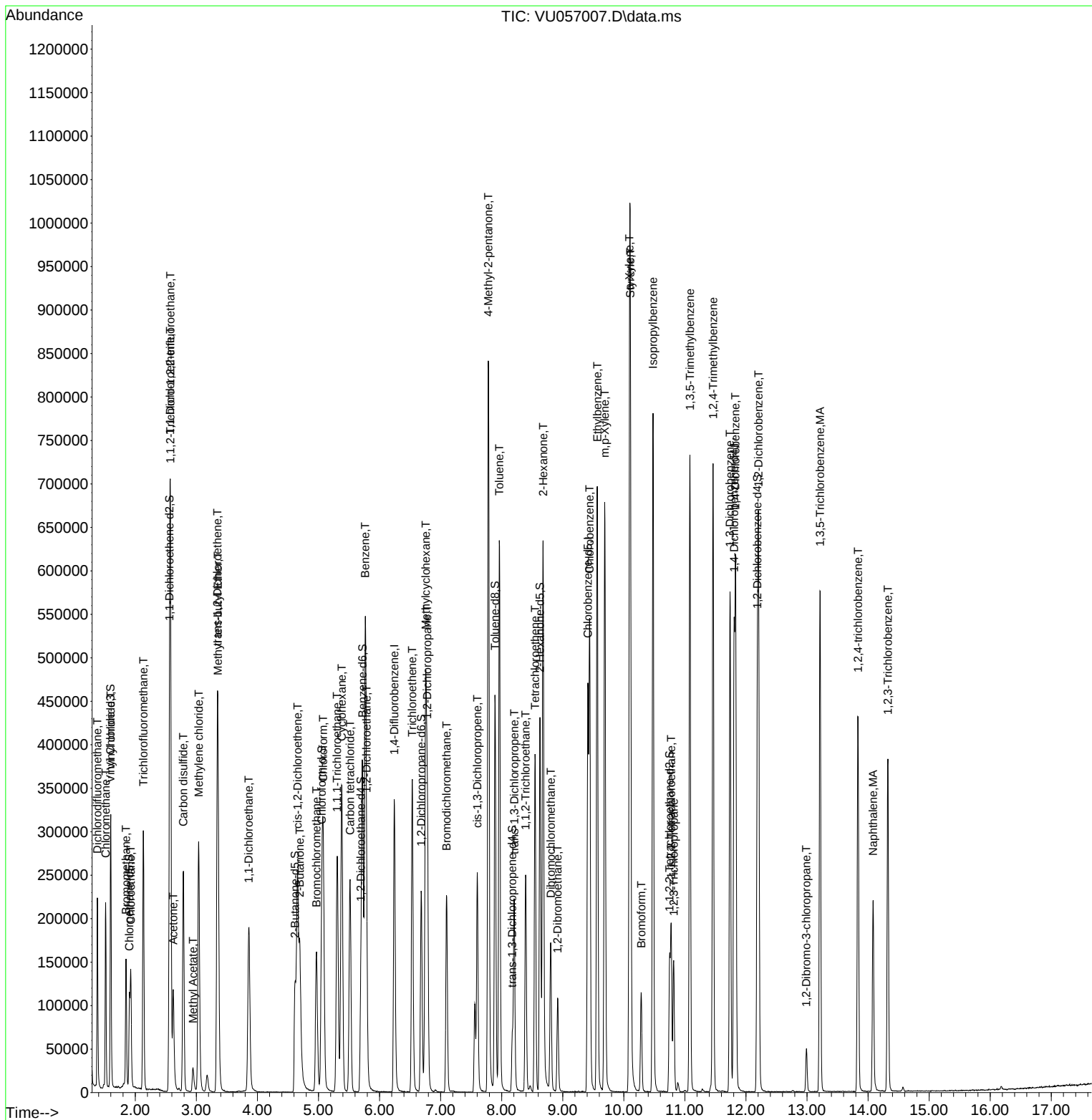
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 ClientSampleId :

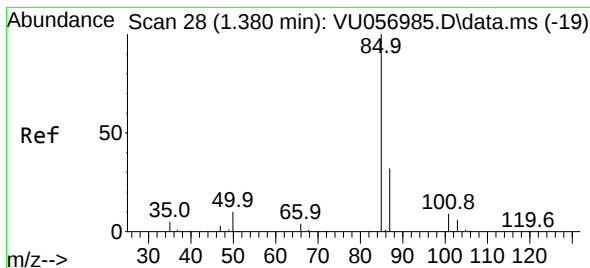
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	133424	4.989	ug/L	100
29) 1,1,1-Trichloroethane	5.306	97	202131	5.734	ug/L	98
30) Cyclohexane	5.383	56	169086	5.110	ug/L	99
31) Carbon tetrachloride	5.518	117	171523	5.598	ug/L	99
33) Benzene	5.766	78	485558	5.665	ug/L	100
34) Trichloroethene	6.534	95	129490	5.507	ug/L	97
35) Methylcyclohexane	6.756	83	174908	5.041	ug/L	99
37) 1,2-Dichloropropane	6.782	63	127393	5.810	ug/L	100
38) Bromodichloromethane	7.097	83	150781	5.393	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	154183	4.825	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	525663	50.491	ug/L	98
42) Toluene	7.962	91	466578	5.261	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	130331	4.976	ug/L	95
45) 1,1,2-Trichloroethane	8.393	97	78419	5.290	ug/L	97
47) Tetrachloroethene	8.547	164	82144	4.992	ug/L	98
48) 2-Hexanone	8.679	43	377377	50.893	ug/L	98
49) Dibromochloromethane	8.804	129	88821	5.213	ug/L	98
50) 1,2-Dibromoethane	8.917	107	73390	5.335	ug/L	96
51) Chlorobenzene	9.441	112	287210	5.081	ug/L	99
52) Ethylbenzene	9.566	91	496689	5.077	ug/L	100
53) m,p-Xylene	9.688	106	190282	5.221	ug/L	94
54) o-Xylene	10.094	106	182036	5.242	ug/L	98
55) Styrene	10.110	104	314122	5.509	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	93367	5.214	ug/L	99
59) Bromoform	10.287	173	51796	4.981	ug/L	100
60) Isopropylbenzene	10.479	105	498806	4.957	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	65196	4.768	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	391031	4.755	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	397905	4.872	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	229607	4.824	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	229941	4.906	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	223798	5.161	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.987	75	14171	5.191	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	177608	4.938	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	132219	4.642	ug/L	98
71) Naphthalene	14.084	128	181378	4.352	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	116360	4.812	ug/L	100

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

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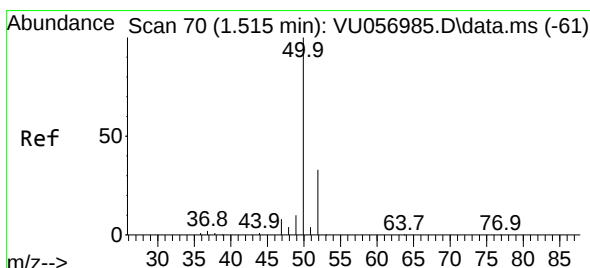
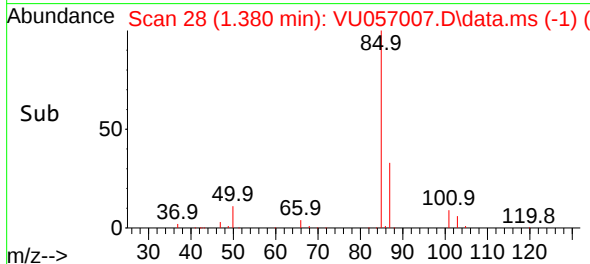
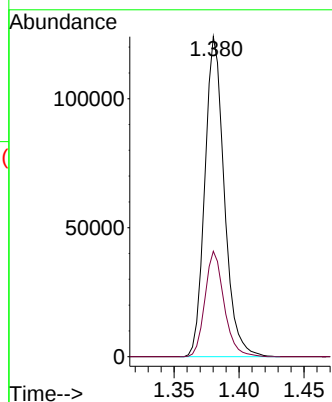
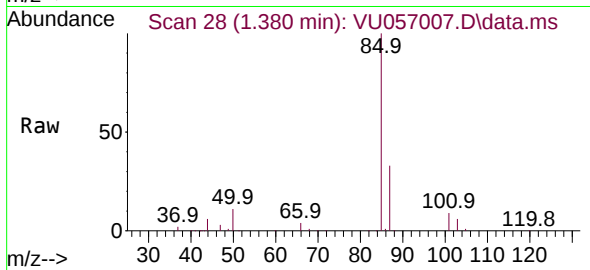




#2
 Dichlorodifluoromethane
 Concen: 4.530 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU057007.D
 Acq: 18 Dec 2023 20:48

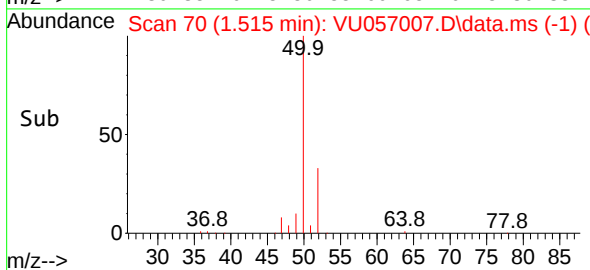
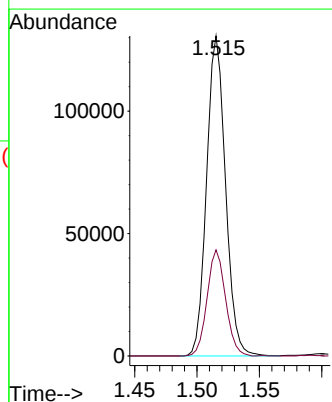
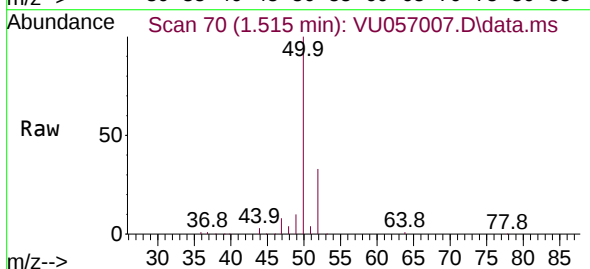
Instrument :
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 ClientSampleId :

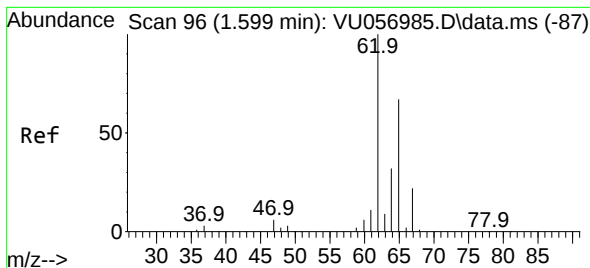
Tgt Ion: 85 Resp: 129397
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.8 40.2



#3
 Chloromethane
 Concen: 4.921 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057007.D
 Acq: 18 Dec 2023 20:48

Tgt Ion: 50 Resp: 138205
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.5 41.7

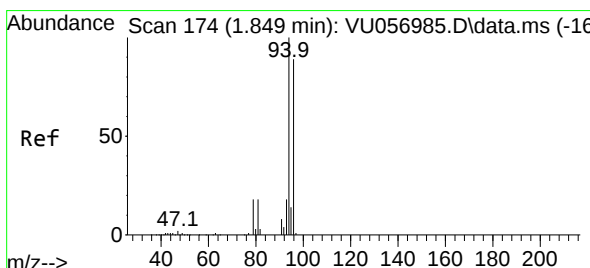
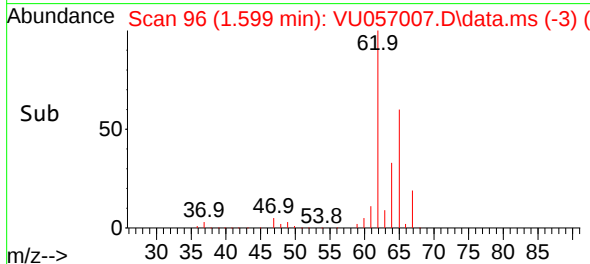
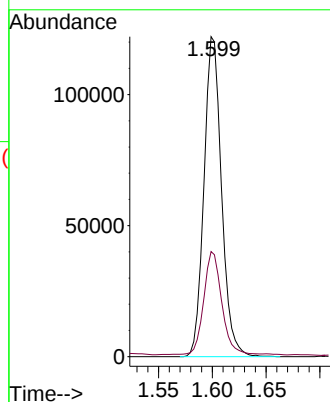
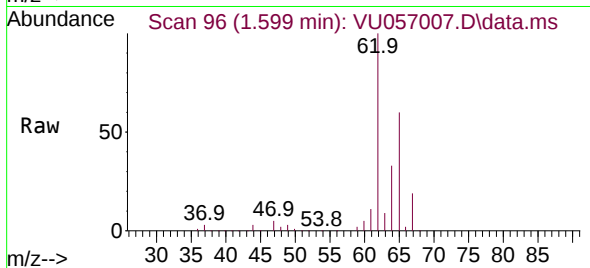




#5
 Vinyl chloride
 Concen: 4.988 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU057007.D
 Acq: 18 Dec 2023 20:48

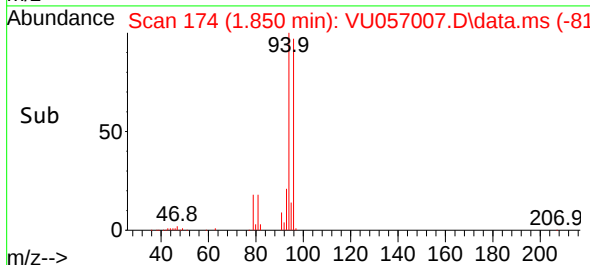
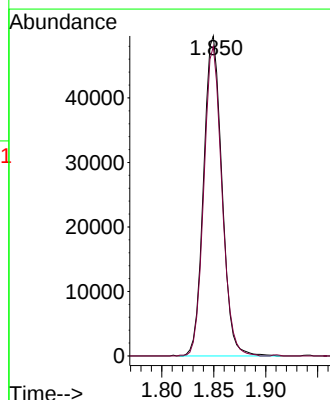
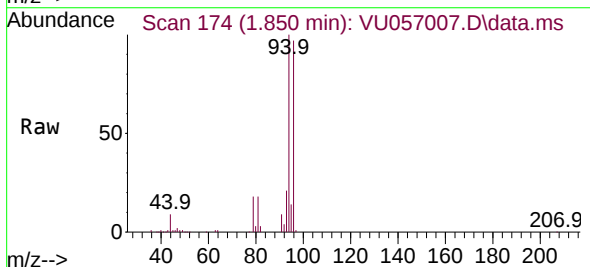
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 ClientSampleId :

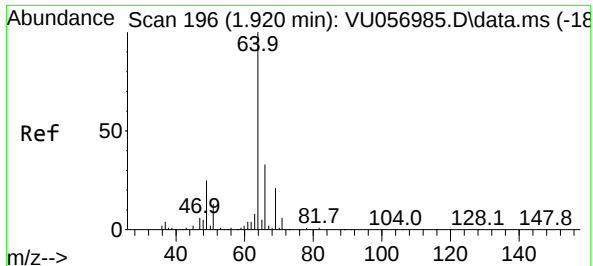
Tgt Ion: 62 Resp: 139139
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.8 42.4



#6
 Bromomethane
 Concen: 3.706 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. 0.000 min
 Lab File: VU057007.D
 Acq: 18 Dec 2023 20:48

Tgt Ion: 94 Resp: 60942
 Ion Ratio Lower Upper
 94 100
 96 96.7 67.8 125.8

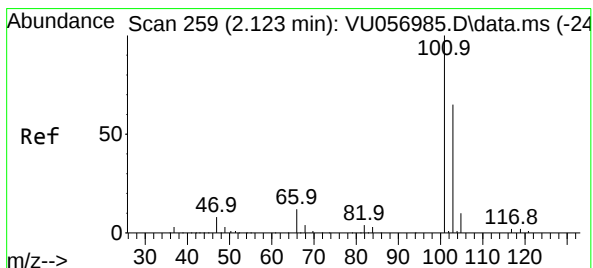
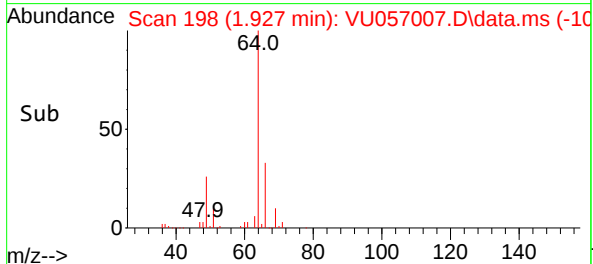
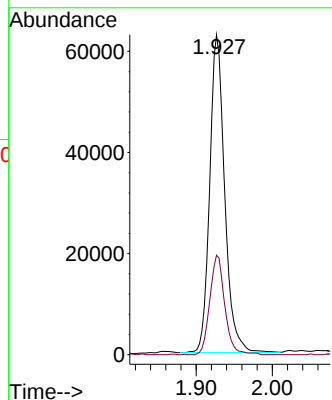
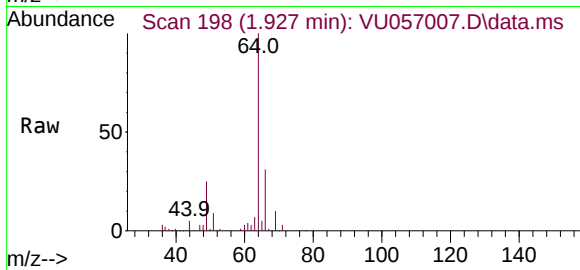




#8
Chloroethane
Concen: 5.271 ug/L
RT: 1.927 min Scan# 19
Delta R.T. 0.007 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

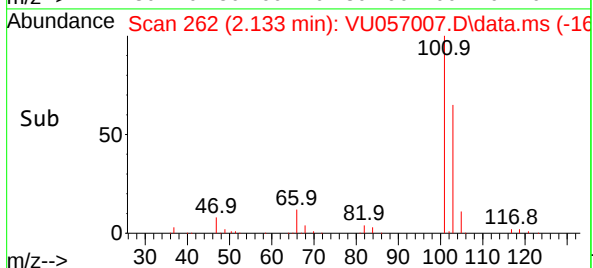
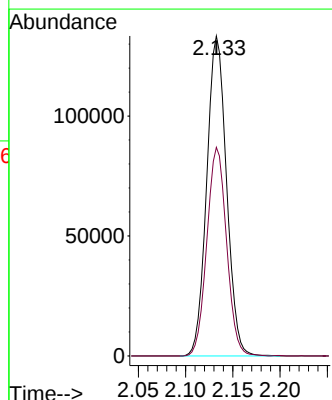
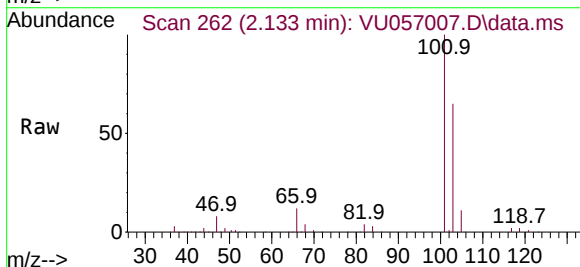
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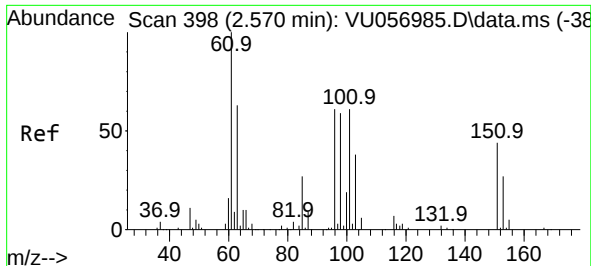
Tgt Ion: 64 Resp: 86130
Ion Ratio Lower Upper
64 100
66 31.1 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.942 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.010 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Tgt Ion:101 Resp: 194275
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.2

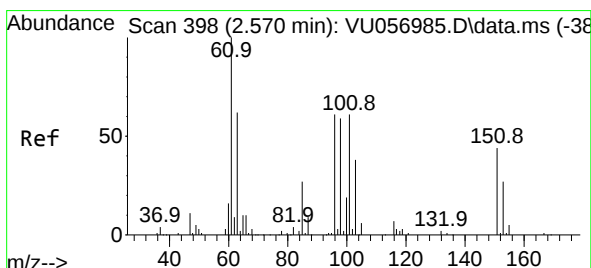
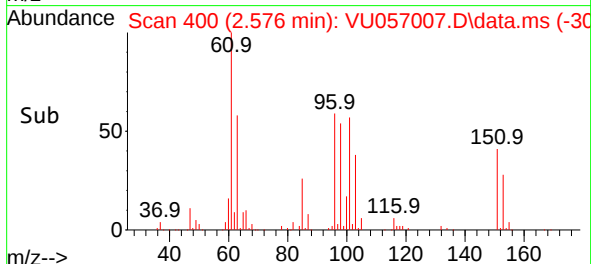
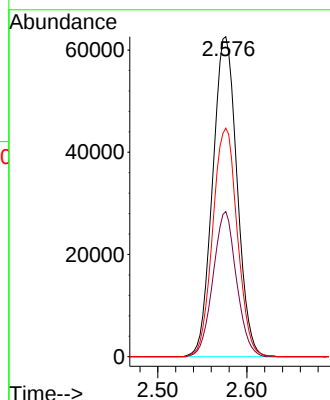
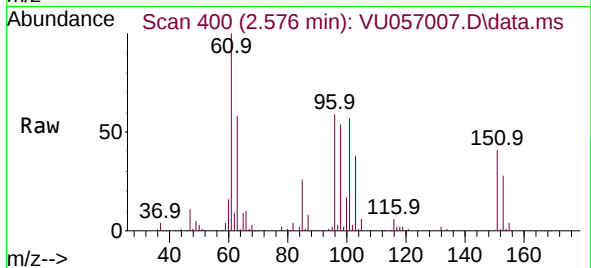




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.930 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.007 min
 Lab File: VU057007.D
 Acq: 18 Dec 2023 20:48

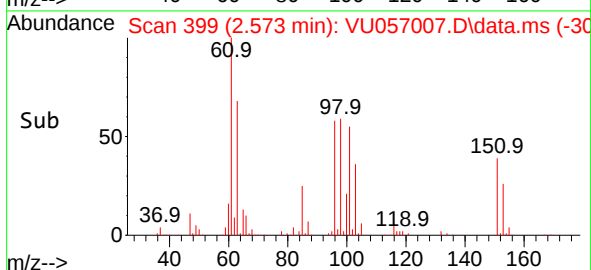
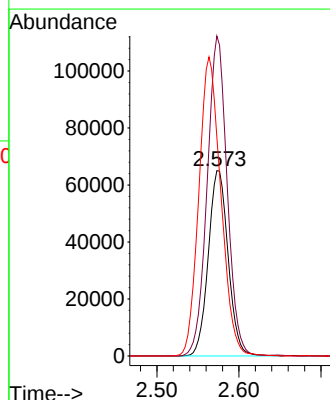
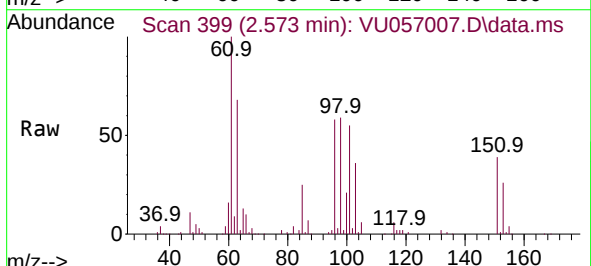
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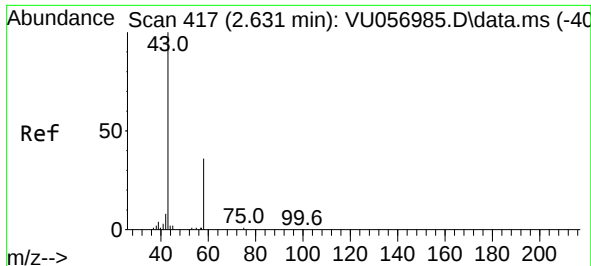
Tgt Ion:101 Resp: 118857
 Ion Ratio Lower Upper
 101 100
 85 43.7 35.2 52.8
 151 72.1 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 4.945 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.003 min
 Lab File: VU057007.D
 Acq: 18 Dec 2023 20:48

Tgt Ion: 96 Resp: 109443
 Ion Ratio Lower Upper
 96 100
 61 172.8 119.0 221.0
 63 118.3 88.7 164.7





#13

Acetone

Concen: 47.894 ug/L

RT: 2.621 min Scan# 41

Delta R.T. -0.010 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

Instrument :

MSVOA_U

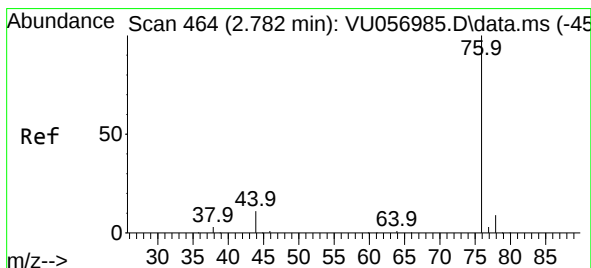
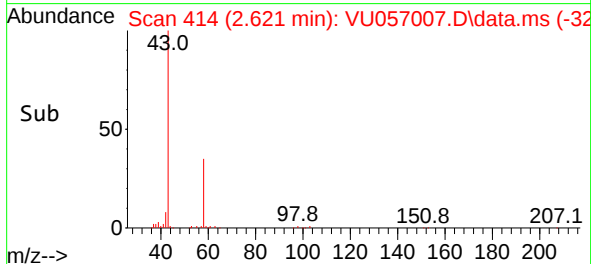
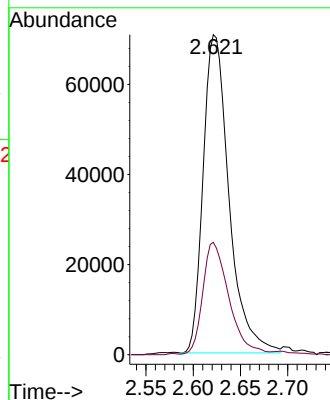
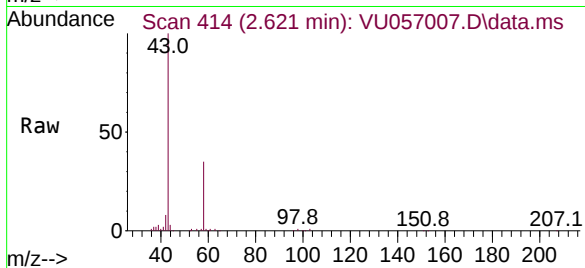
ClientSampleId :

Tgt Ion: 43 Resp: 134688

Ion Ratio Lower Upper

43 100

58 35.1 0.0 72.6



#14

Carbon disulfide

Concen: 4.406 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.007 min

Lab File: VU057007.D

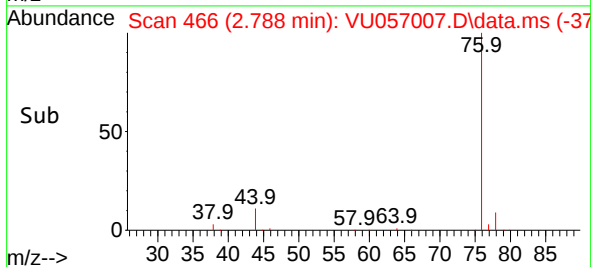
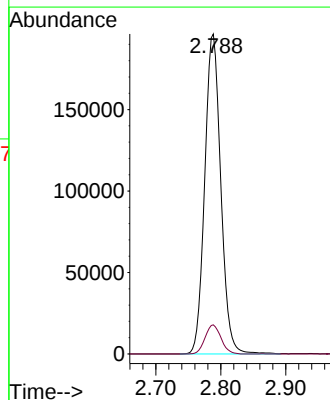
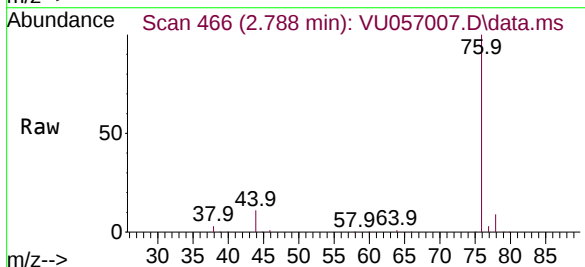
Acq: 18 Dec 2023 20:48

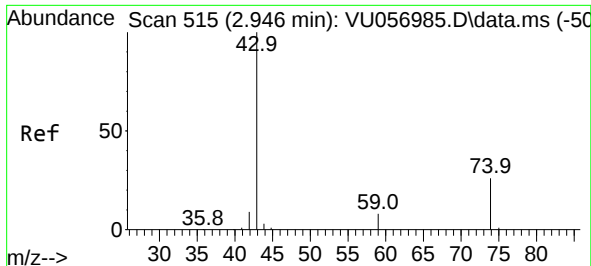
Tgt Ion: 76 Resp: 338309

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

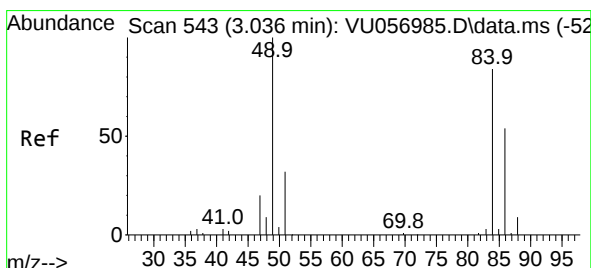
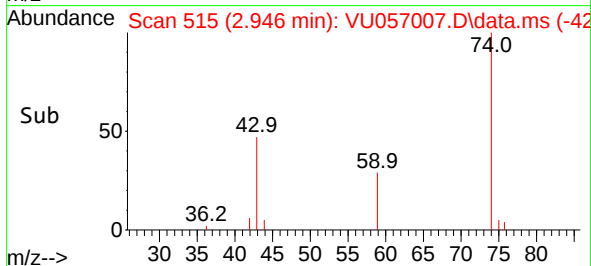
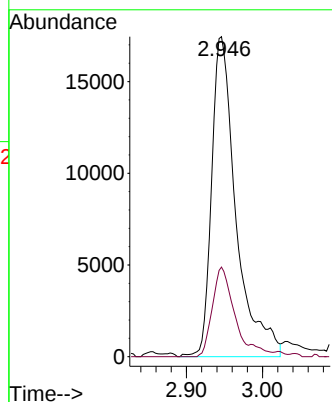
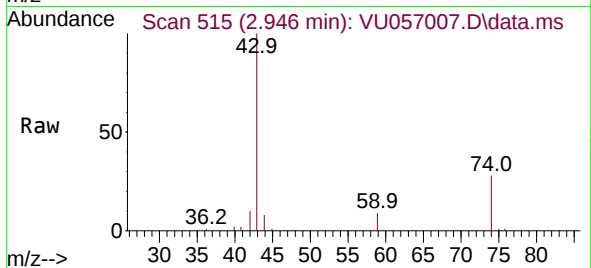




#15
Methyl Acetate
Concen: 5.093 ug/L
RT: 2.946 min Scan# 515
Delta R.T. 0.000 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

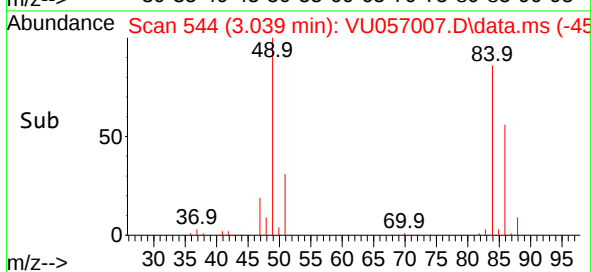
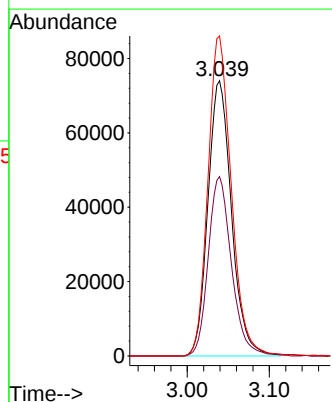
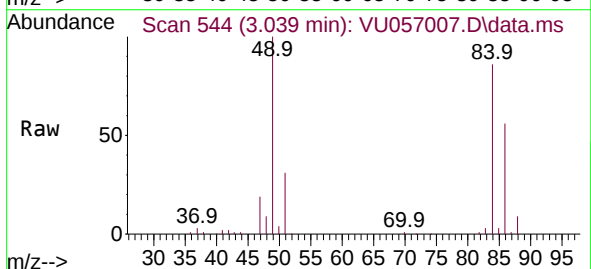
Instrument :
MSVOA_U
ClientSampleId :

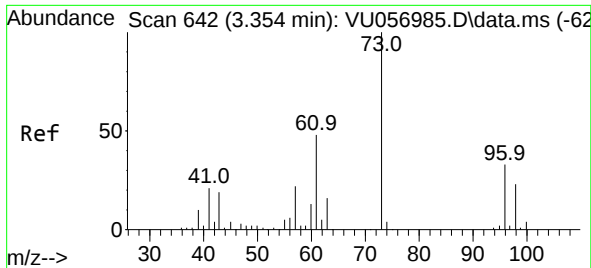
Tgt Ion: 43 Resp: 38991
Ion Ratio Lower Upper
43 100
74 25.9 21.0 31.6



#16
Methylene chloride
Concen: 6.136 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Tgt Ion: 84 Resp: 147951
Ion Ratio Lower Upper
84 100
86 65.2 43.6 81.0
49 116.3 80.6 149.6

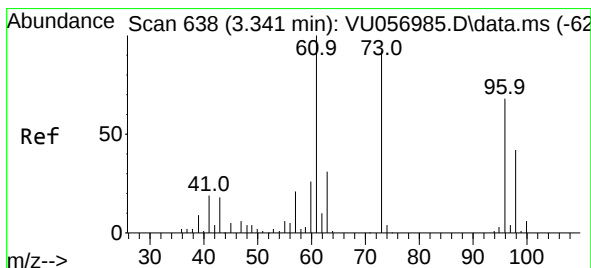
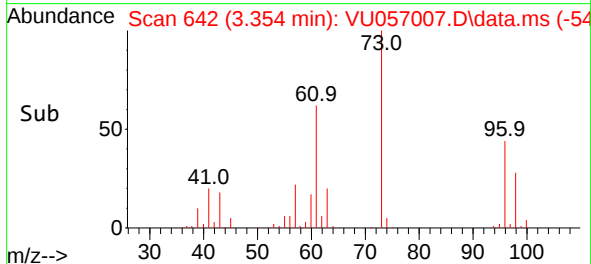
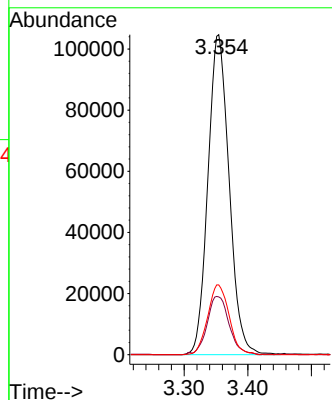
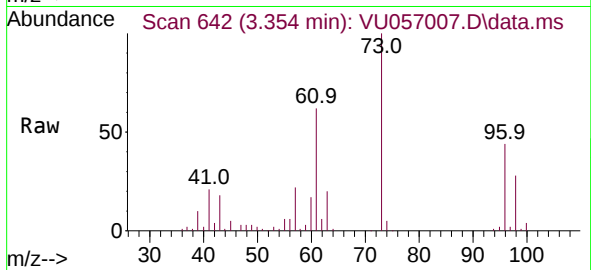




#17
Methyl tert-butyl Ether
Concen: 4.942 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

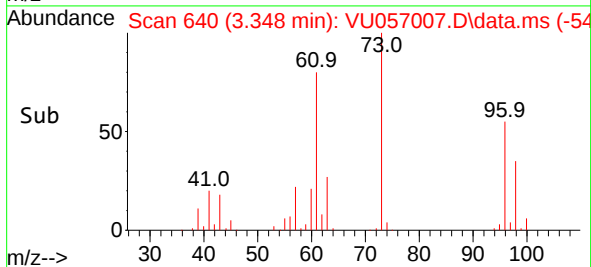
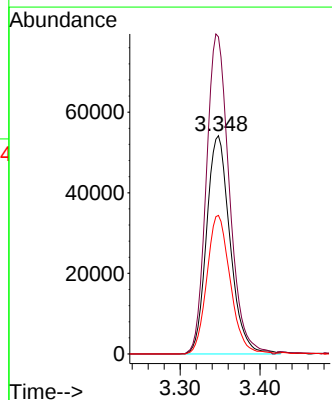
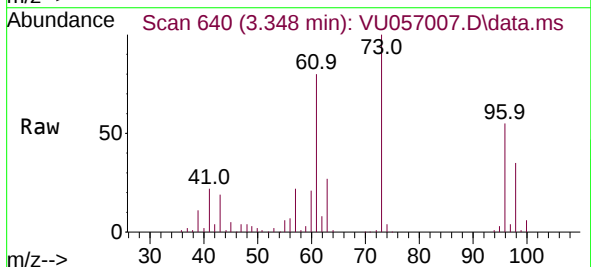
Instrument :
MSVOA_U
ClientSampleId :

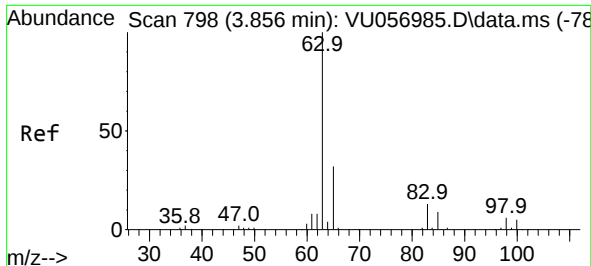
Tgt Ion: 73 Resp: 242522
Ion Ratio Lower Upper
73 100
43 18.9 14.4 21.6
57 22.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.929 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.007 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Tgt Ion: 96 Resp: 110601
Ion Ratio Lower Upper
96 100
61 145.4 101.8 189.0
98 63.5 43.0 79.8





#19

1,1-Dichloroethane

Concen: 5.116 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.003 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

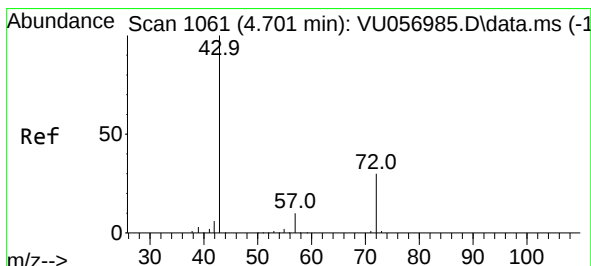
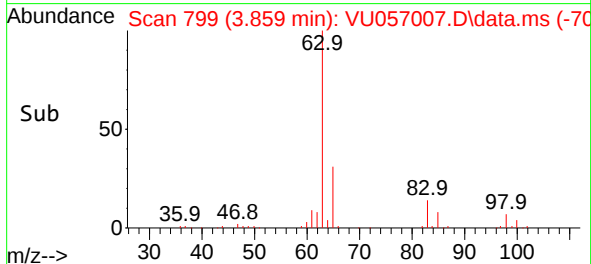
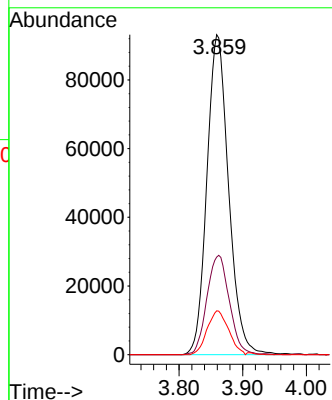
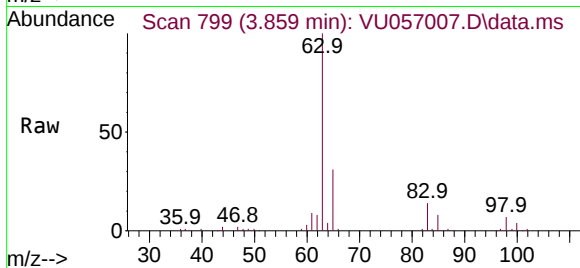
Tgt Ion: 63 Resp: 220849

Ion Ratio Lower Upper

63 100

65 30.5 22.9 42.5

83 13.7 10.1 18.9



#21

2-Butanone

Concen: 47.843 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. -0.006 min

Lab File: VU057007.D

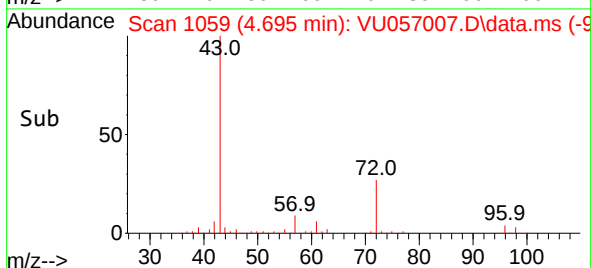
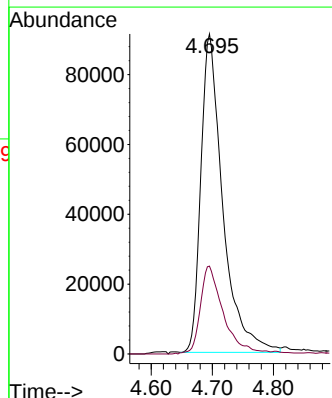
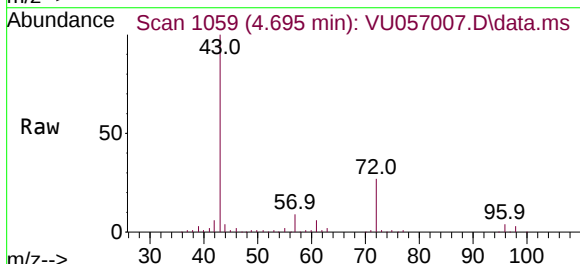
Acq: 18 Dec 2023 20:48

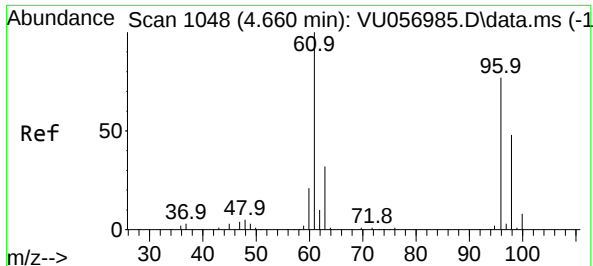
Tgt Ion: 43 Resp: 226894

Ion Ratio Lower Upper

43 100

72 28.5 14.6 43.8

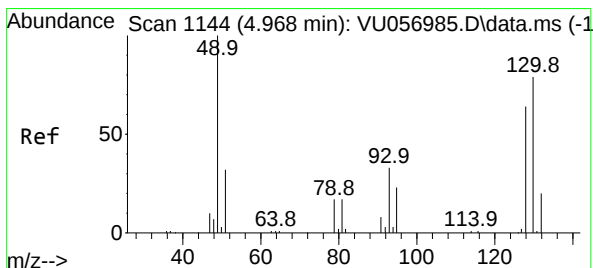
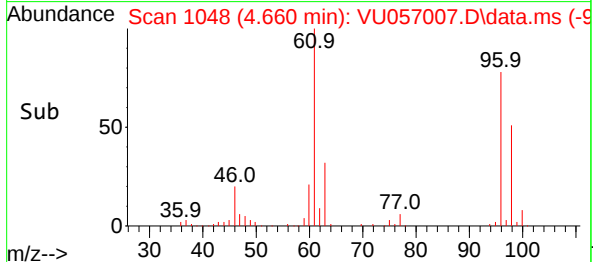
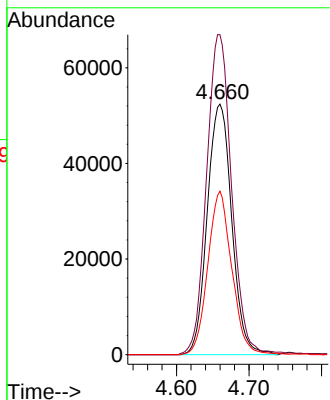
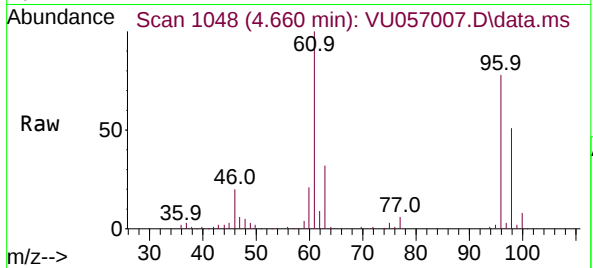




#22
 cis-1,2-Dichloroethene
 Concen: 5.053 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU057007.D
 Acq: 18 Dec 2023 20:48

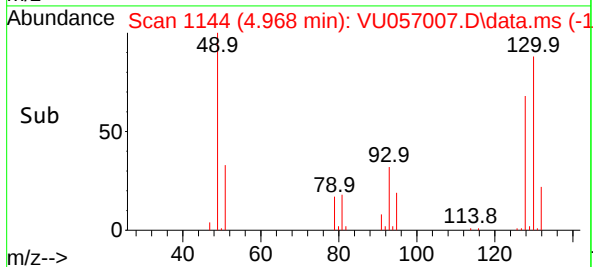
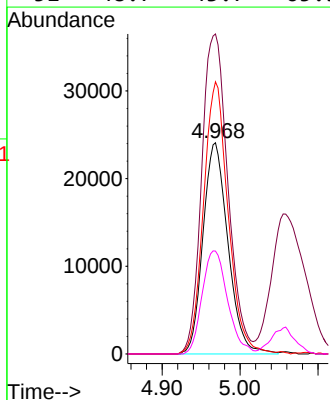
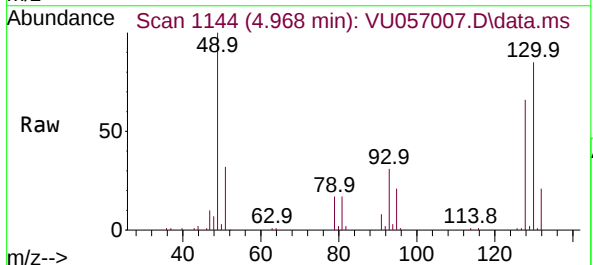
Instrument :
 MSVOA_U
 ClientSampleId :

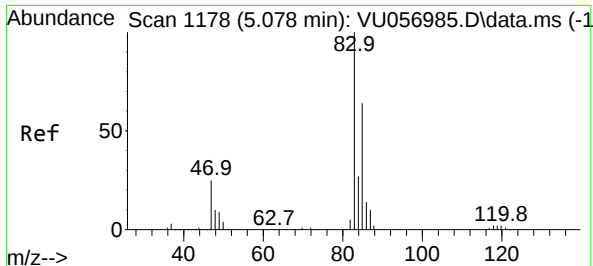
Tgt Ion: 96 Resp: 123367
 Ion Ratio Lower Upper
 96 100
 61 127.7 91.3 169.6
 98 65.3 44.2 82.0



#23
 Bromochloromethane
 Concen: 5.244 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU057007.D
 Acq: 18 Dec 2023 20:48

Tgt Ion: 128 Resp: 53600
 Ion Ratio Lower Upper
 128 100
 49 151.5 113.8 211.3
 130 128.9 90.6 168.3
 51 48.7 43.7 65.5





#25

Chloroform

Concen: 5.194 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

Instrument :

MSVOA_U

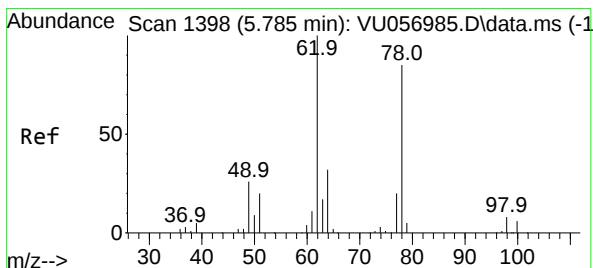
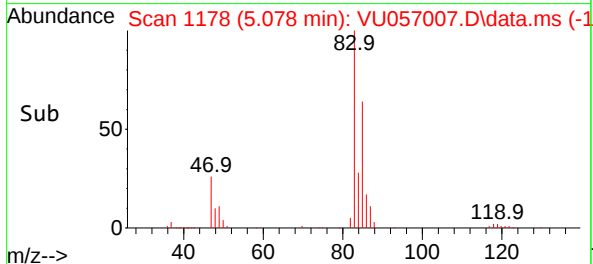
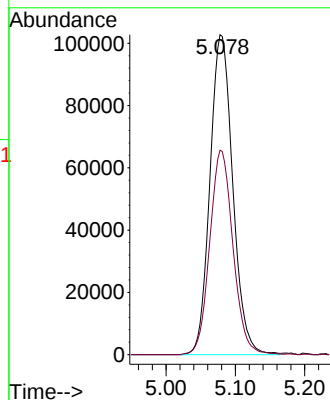
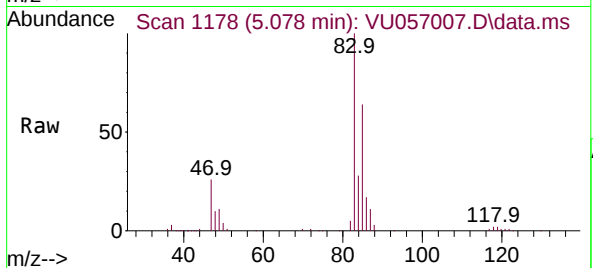
ClientSampleId :

Tgt Ion: 83 Resp: 234865

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.0



#27

1,2-Dichloroethane

Concen: 4.989 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU057007.D

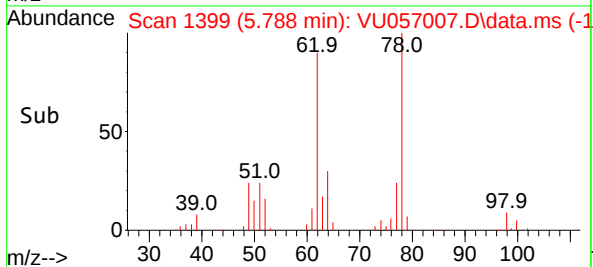
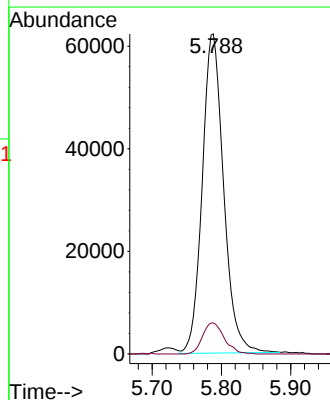
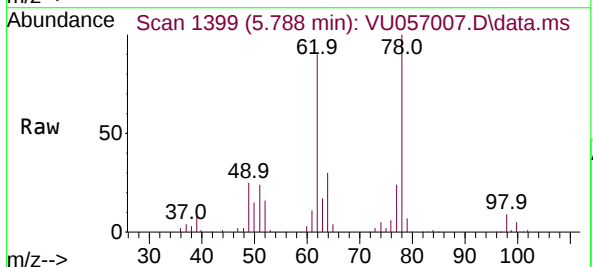
Acq: 18 Dec 2023 20:48

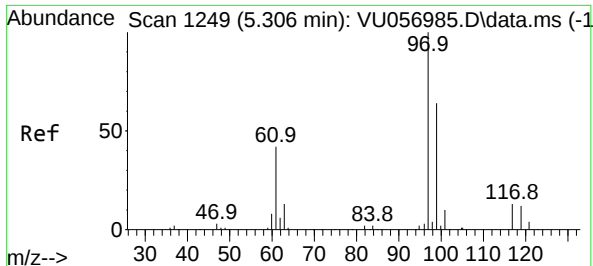
Tgt Ion: 62 Resp: 133424

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.734 ug/L

RT: 5.306 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

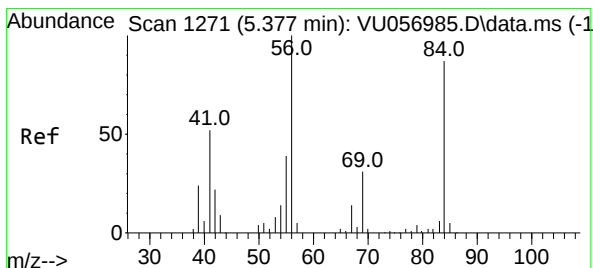
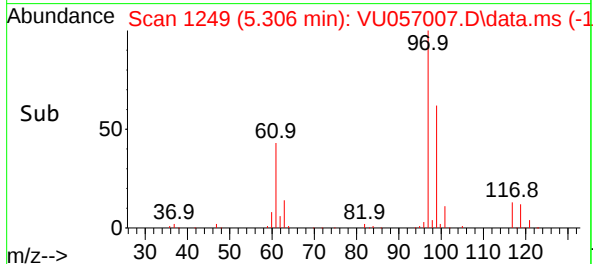
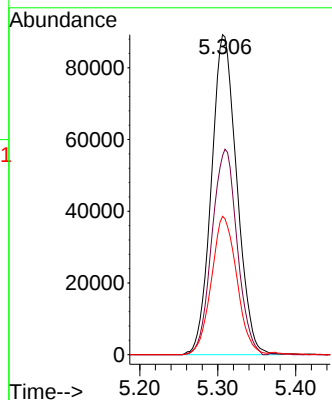
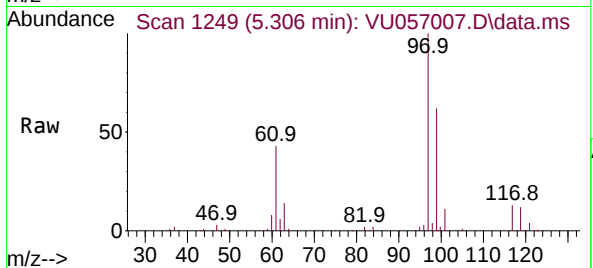
Tgt Ion: 97 Resp: 202131

Ion Ratio Lower Upper

97 100

99 63.8 52.5 78.7

61 43.3 34.2 51.2



#30

Cyclohexane

Concen: 5.110 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.007 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

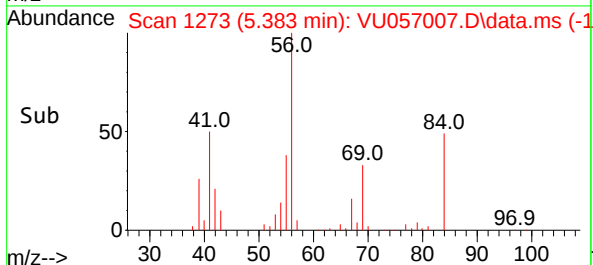
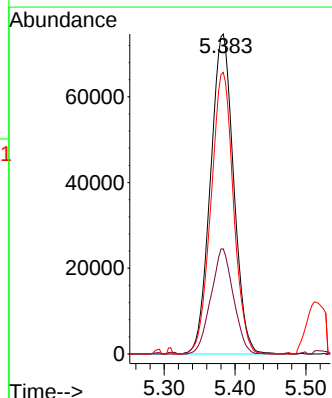
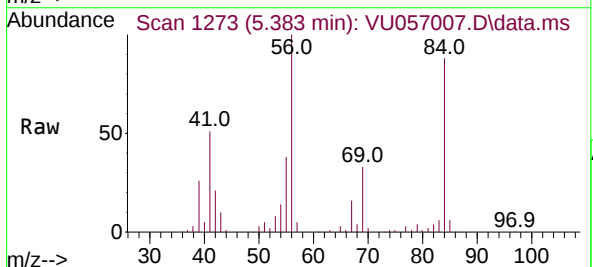
Tgt Ion: 56 Resp: 169086

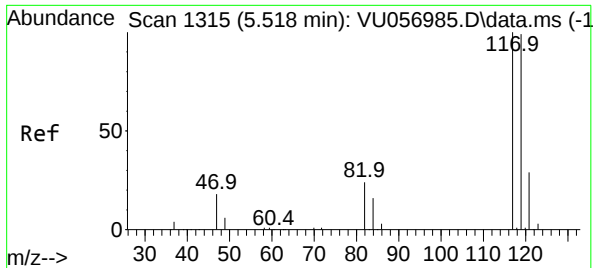
Ion Ratio Lower Upper

56 100

69 32.0 24.9 37.3

84 85.5 67.6 101.4

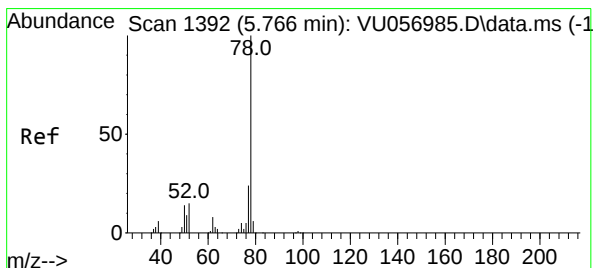
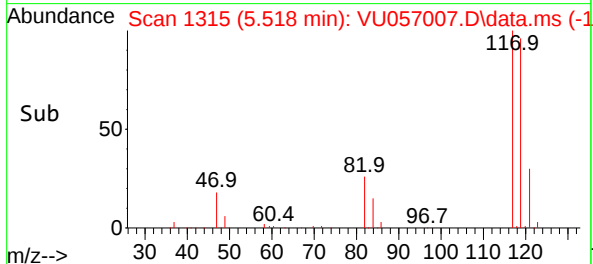
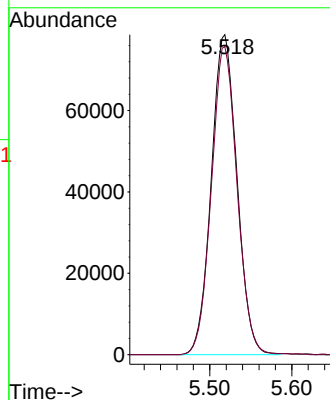
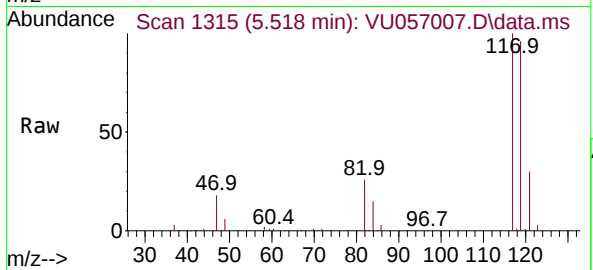




#31
Carbon tetrachloride
Concen: 5.598 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

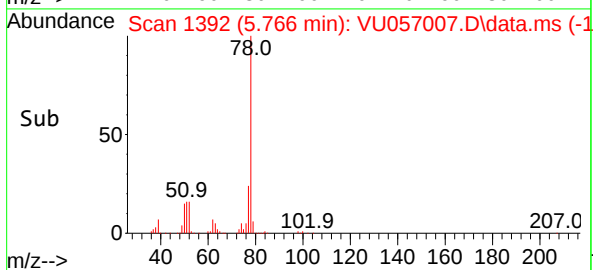
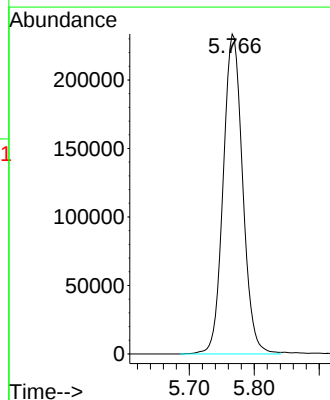
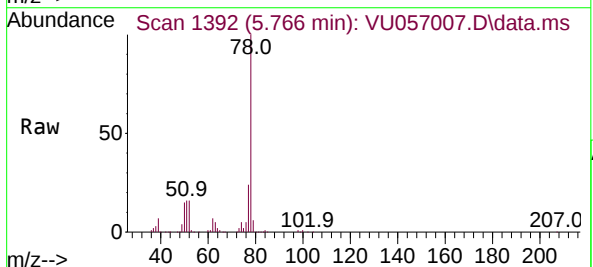
Instrument :
MSVOA_U
ClientSampleId :

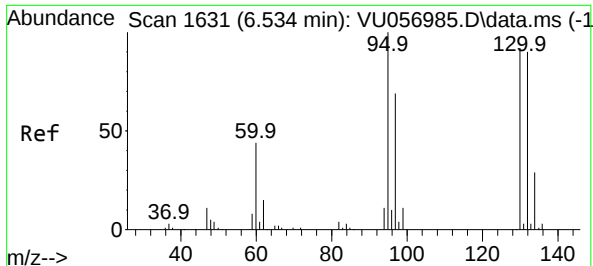
Tgt Ion:117 Resp: 171523
Ion Ratio Lower Upper
117 100
119 96.1 76.2 114.4



#33
Benzene
Concen: 5.665 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

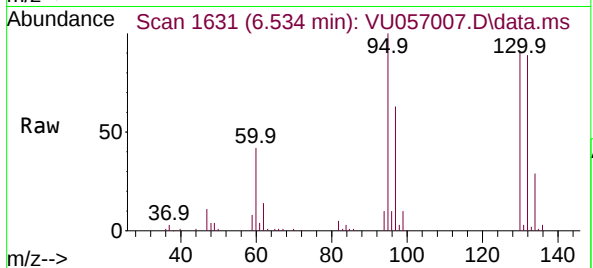
Tgt Ion: 78 Resp: 485558





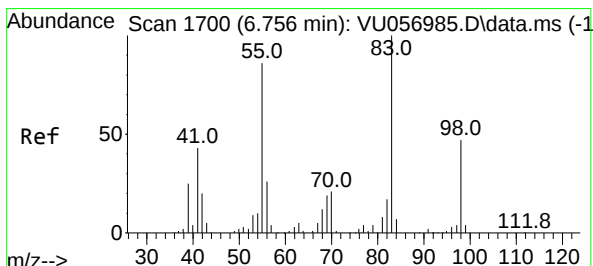
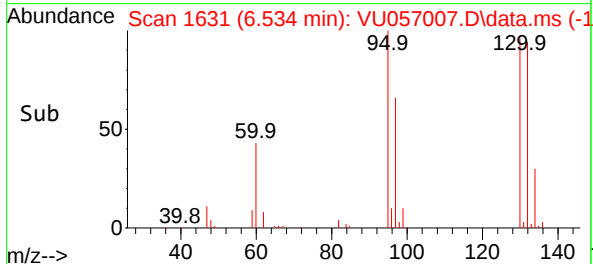
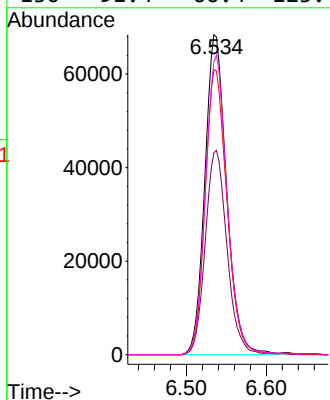
#34
Trichloroethene
Concen: 5.507 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 129490

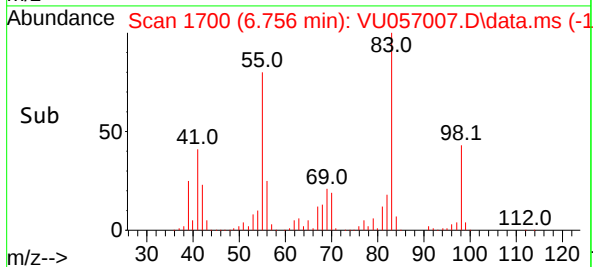
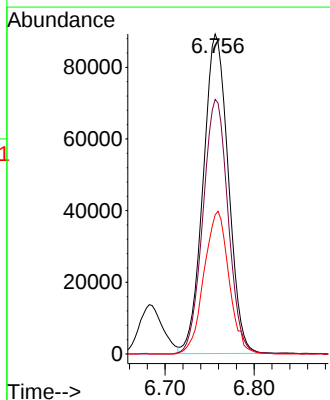
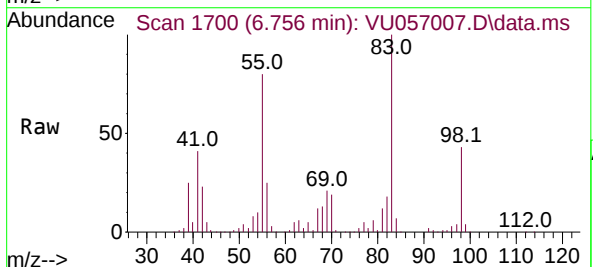
Ion	Ratio	Lower	Upper
95	100		
97	63.1	46.1	85.5
132	89.1	63.6	118.0
130	91.4	66.4	123.4

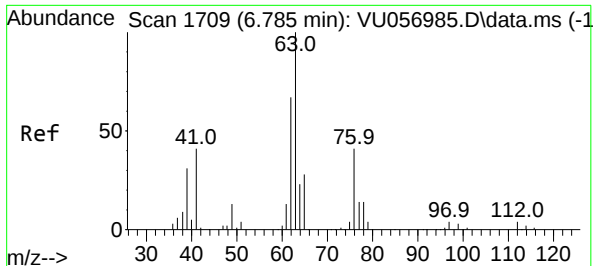


#35
Methylcyclohexane
Concen: 5.041 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Tgt Ion: 83 Resp: 174908

Ion	Ratio	Lower	Upper
83	100		
55	79.8	64.6	97.0
98	44.5	36.1	54.1





#37

1,2-Dichloropropane

Concen: 5.810 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

Instrument :

MSVOA_U

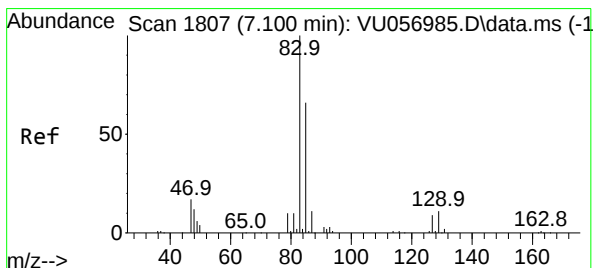
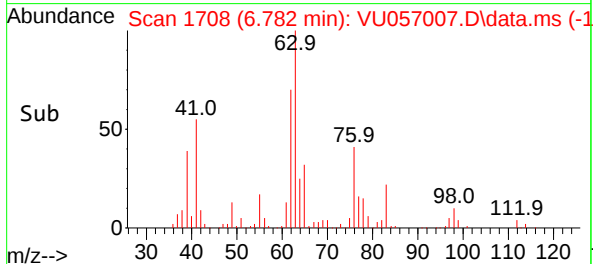
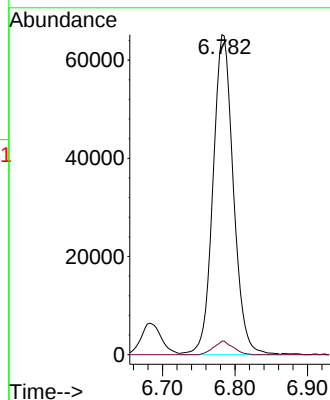
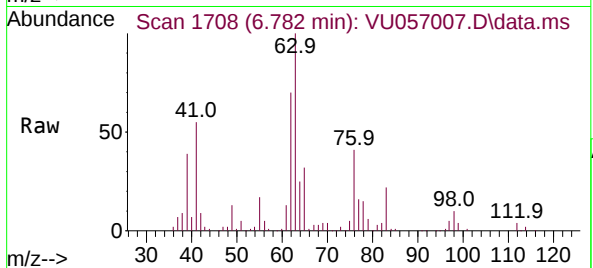
ClientSampleId :

Tgt Ion: 63 Resp: 127393

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 5.393 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.003 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

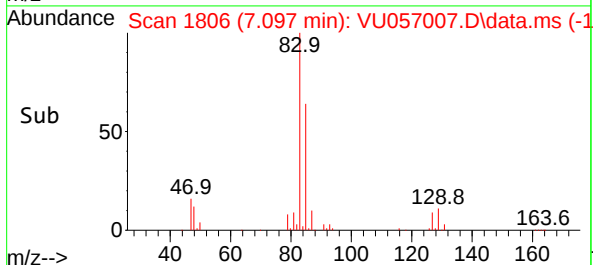
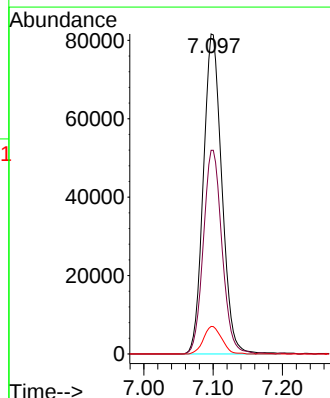
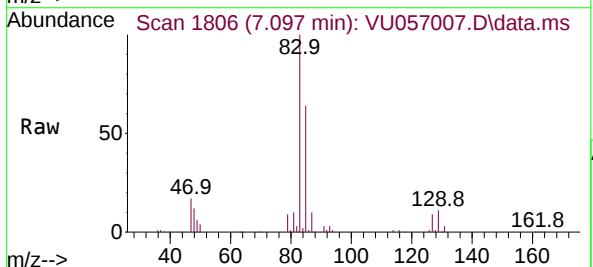
Tgt Ion: 83 Resp: 150781

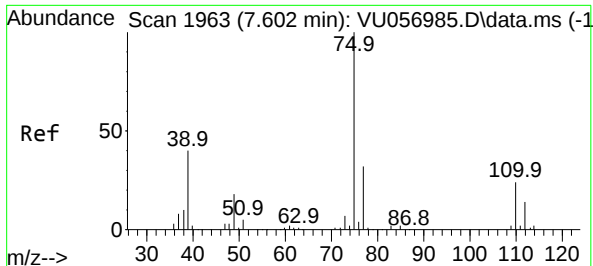
Ion Ratio Lower Upper

83 100

85 63.6 45.0 83.6

127 8.6 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.825 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

Instrument :

MSVOA_U

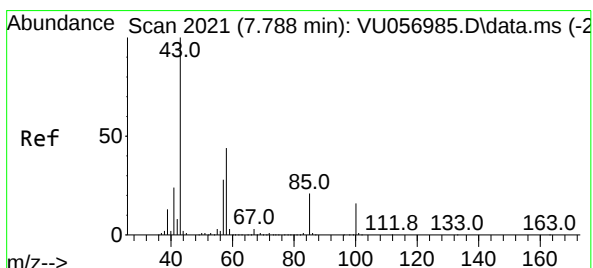
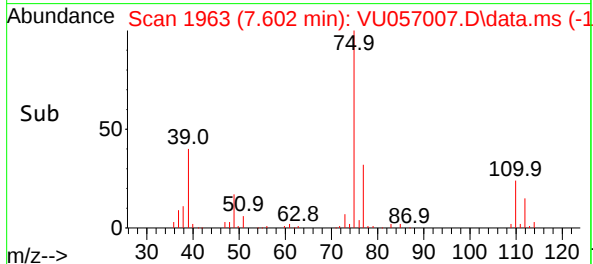
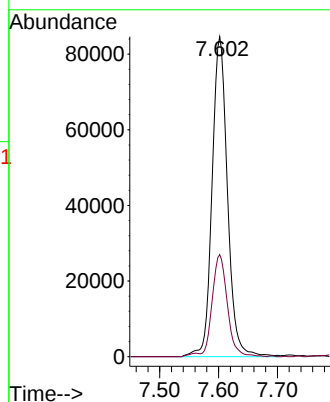
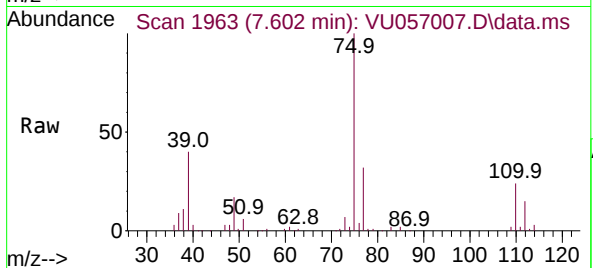
ClientSampleId :

Tgt Ion: 75 Resp: 154183

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 50.491 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.006 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

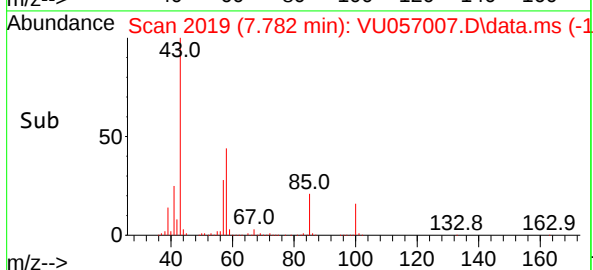
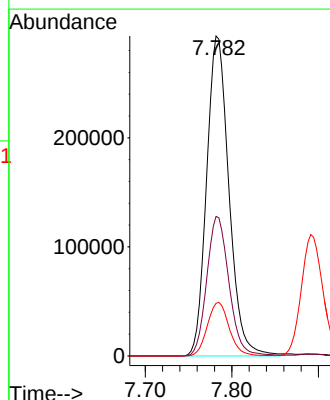
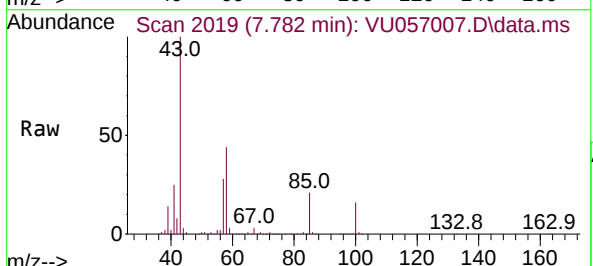
Tgt Ion: 43 Resp: 525663

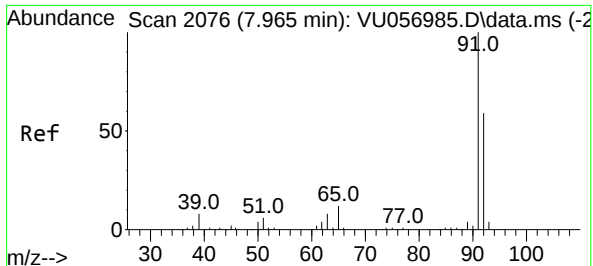
Ion Ratio Lower Upper

43 100

58 43.4 33.7 50.5

100 16.5 13.0 19.4





#42

Toluene

Concen: 5.261 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

Instrument :

MSVOA_U

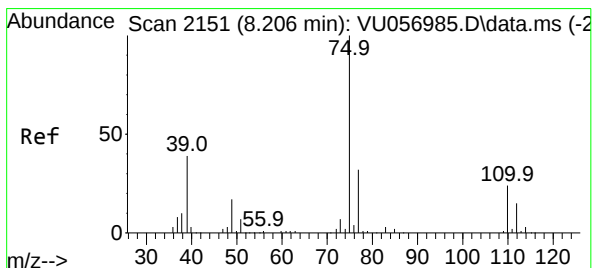
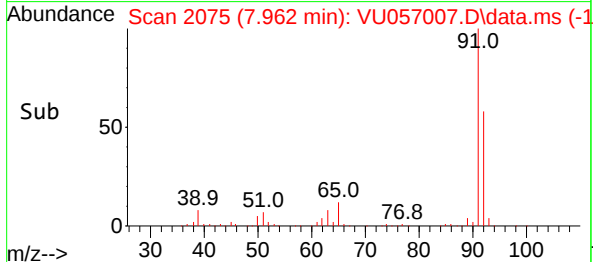
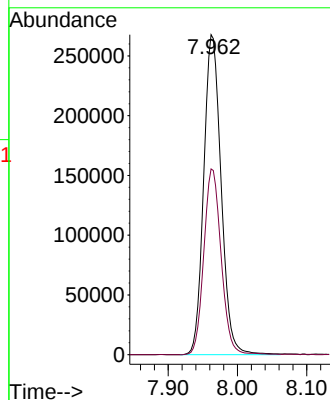
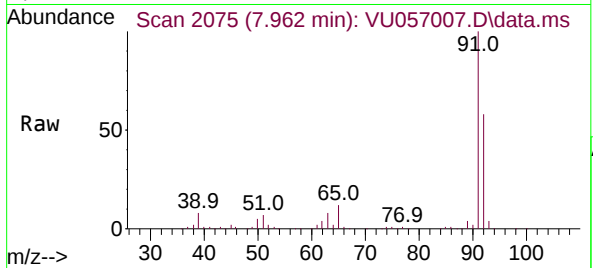
ClientSampleId :

Tgt Ion: 91 Resp: 466578

Ion Ratio Lower Upper

91 100

92 58.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.976 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU057007.D

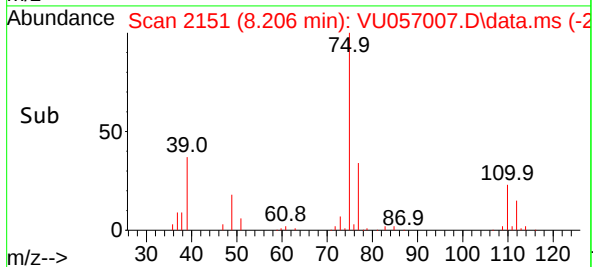
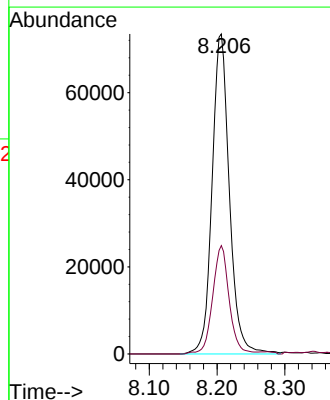
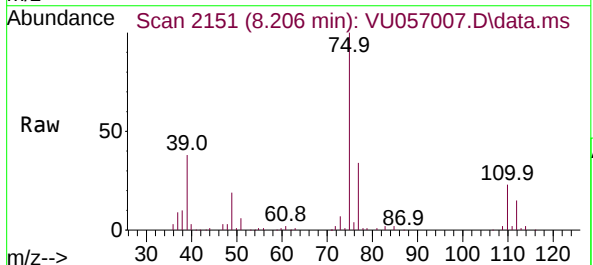
Acq: 18 Dec 2023 20:48

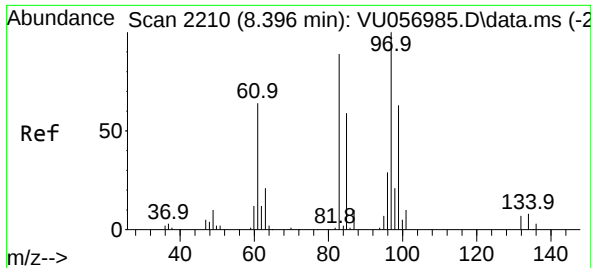
Tgt Ion: 75 Resp: 130331

Ion Ratio Lower Upper

75 100

77 33.8 21.8 40.4

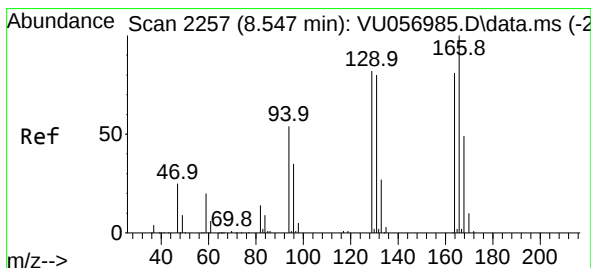
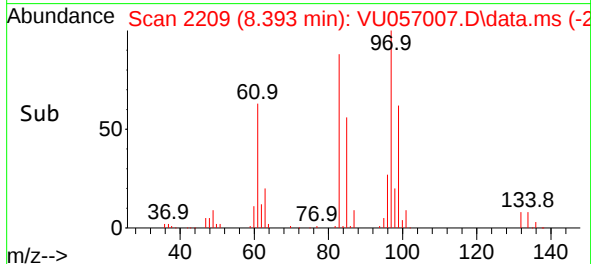
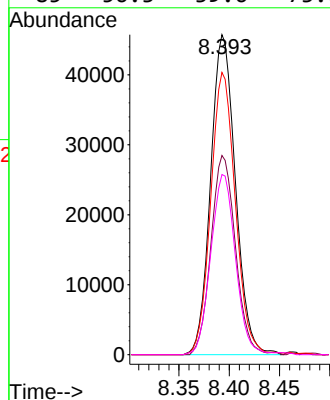
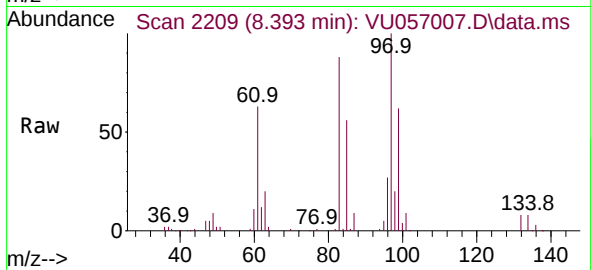




#45
1,1,2-Trichloroethane
Concen: 5.290 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

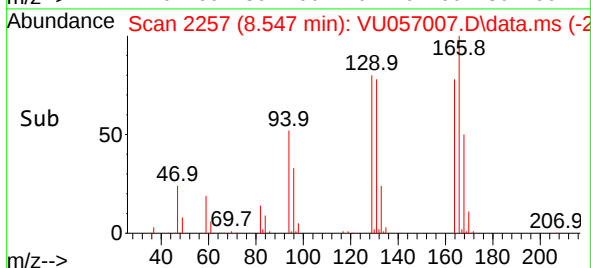
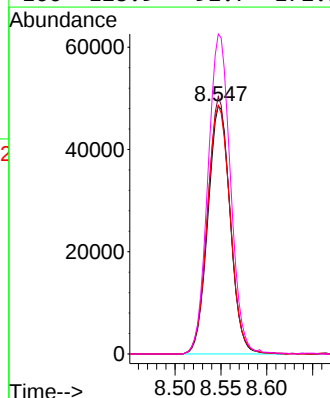
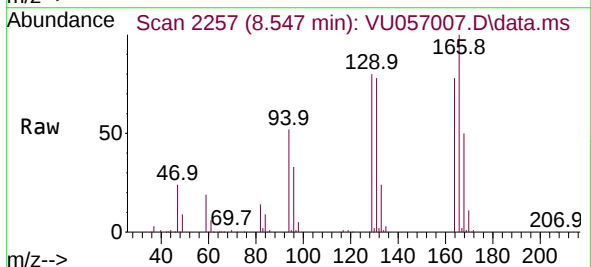
Instrument :
MSVOA_U
ClientSampleId :

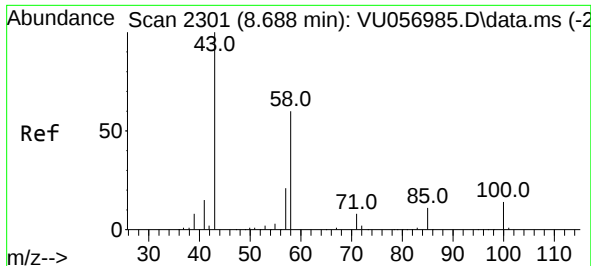
Tgt Ion: 97	Resp: 78419
Ion Ratio	Lower Upper
97 100	
99 62.2	41.9 77.9
83 88.2	59.1 109.7
85 56.3	39.6 73.6



#47
Tetrachloroethene
Concen: 4.992 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

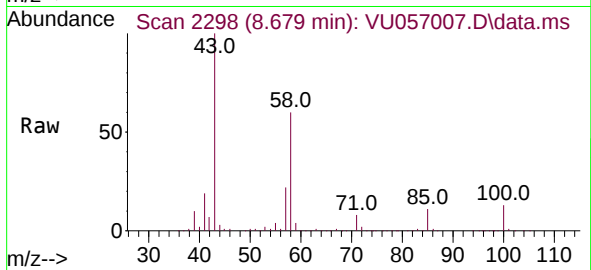
Tgt Ion: 164	Resp: 82144
Ion Ratio	Lower Upper
164 100	
129 103.7	73.4 136.4
131 100.1	71.5 132.9
166 128.9	92.7 172.1



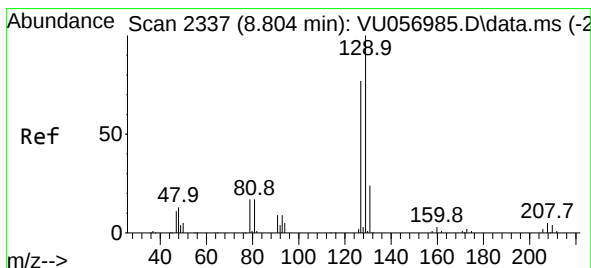
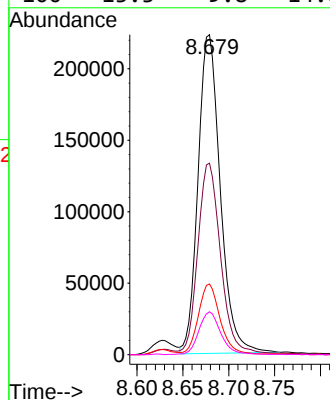
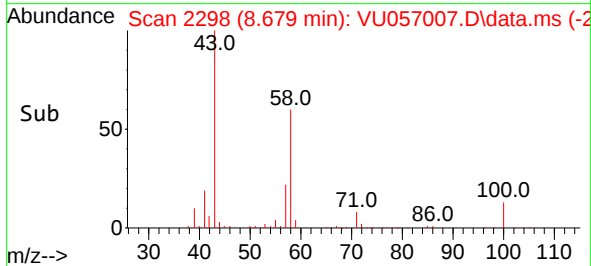


#48
2-Hexanone
Concen: 50.893 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.009 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Instrument :
MSVOA_U
ClientSampleId :

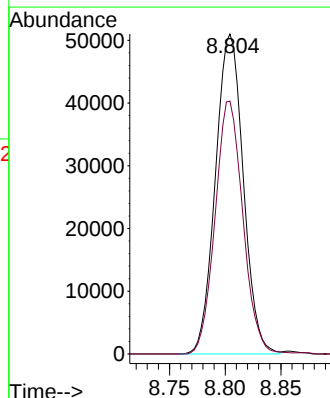
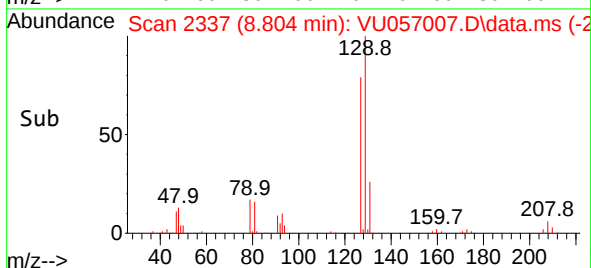
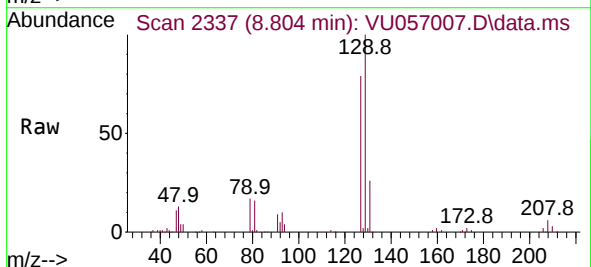


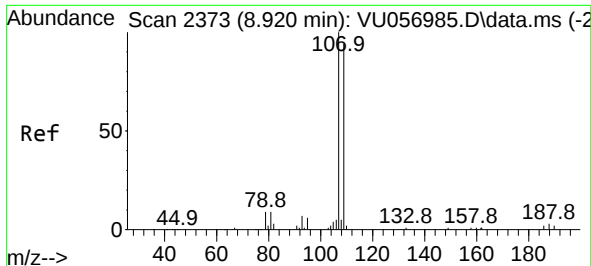
Tgt Ion: 43 Resp: 377377
Ion Ratio Lower Upper
43 100
58 61.5 47.5 71.3
57 21.3 17.0 25.4
100 13.3 9.8 14.8



#49
Dibromochloromethane
Concen: 5.213 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Tgt Ion: 129 Resp: 88821
Ion Ratio Lower Upper
129 100
127 79.0 53.9 100.1





#50

1,2-Dibromoethane

Concen: 5.335 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

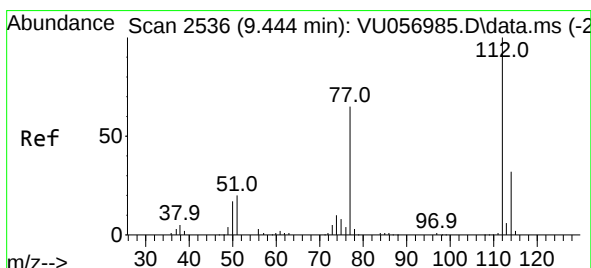
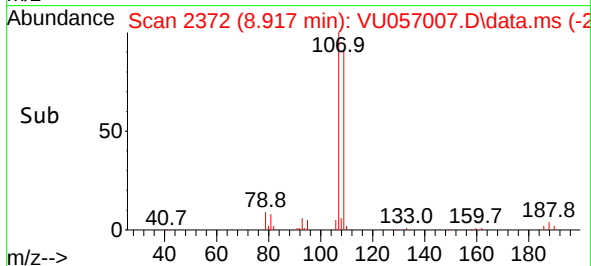
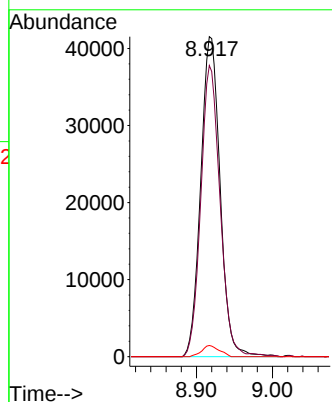
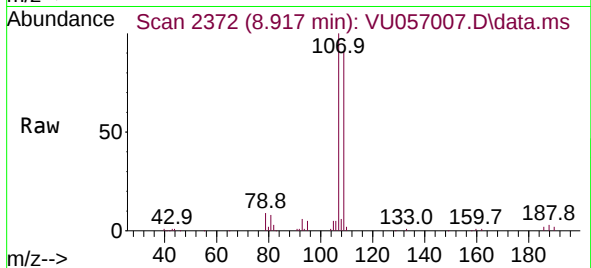
Tgt Ion:107 Resp: 73390

Ion Ratio Lower Upper

107 100

109 91.0 66.5 123.5

188 3.5 2.9 4.3



#51

Chlorobenzene

Concen: 5.081 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

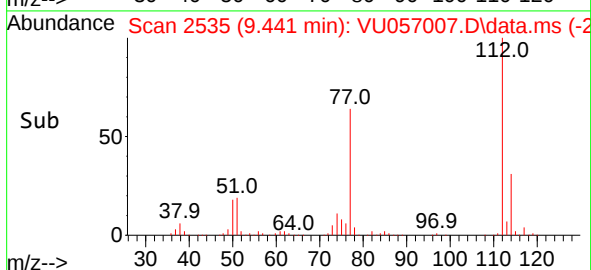
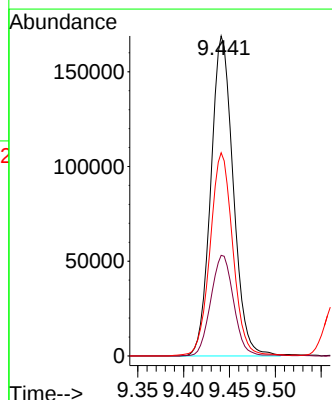
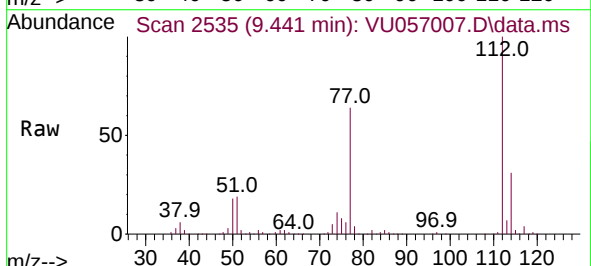
Tgt Ion:112 Resp: 287210

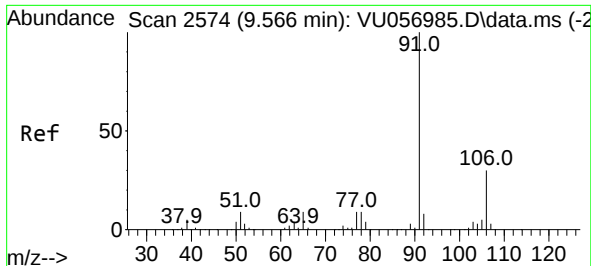
Ion Ratio Lower Upper

112 100

114 31.5 21.9 40.7

77 63.5 51.6 77.4

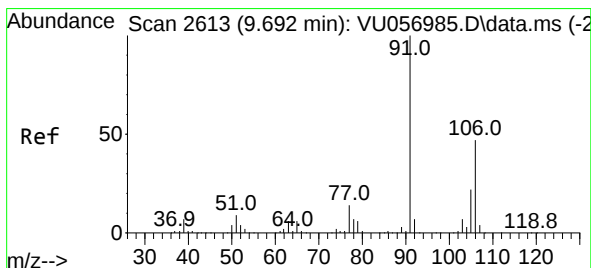
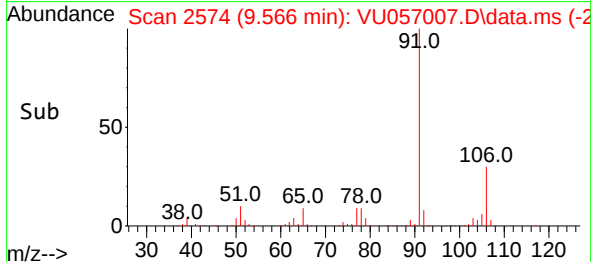
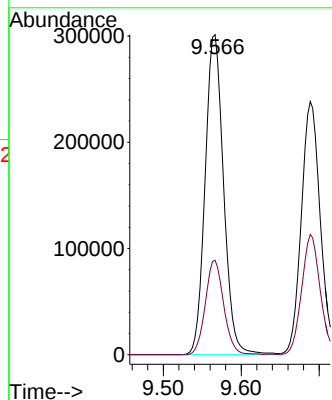
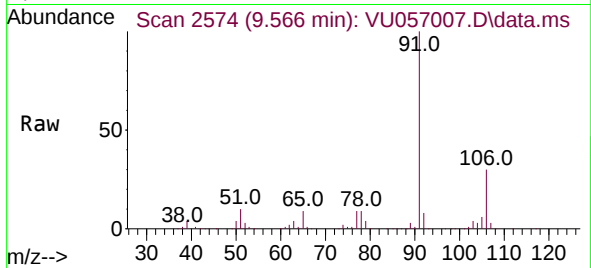




#52
Ethylbenzene
Concen: 5.077 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

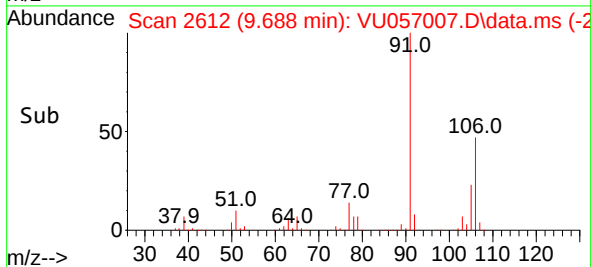
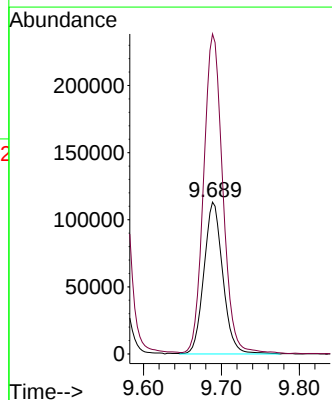
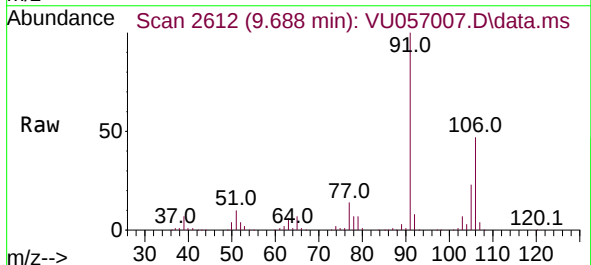
Instrument :
MSVOA_U
ClientSampleId :

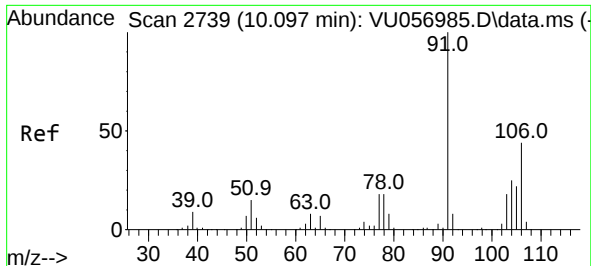
Tgt Ion: 91 Resp: 496689
Ion Ratio Lower Upper
91 100
106 29.5 20.6 38.4



#53
m,p-Xylene
Concen: 5.221 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Tgt Ion: 106 Resp: 190282
Ion Ratio Lower Upper
106 100
91 210.7 154.0 286.0

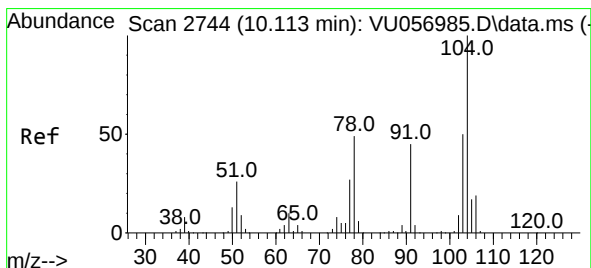
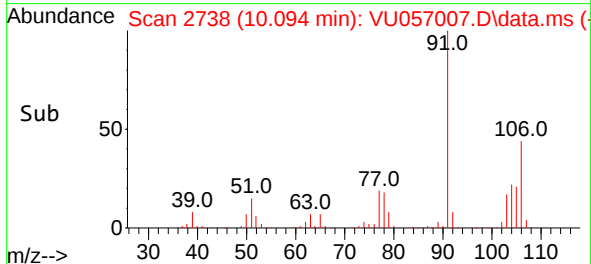
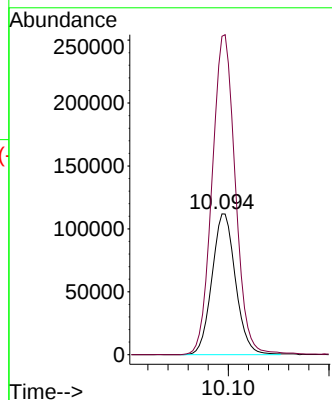
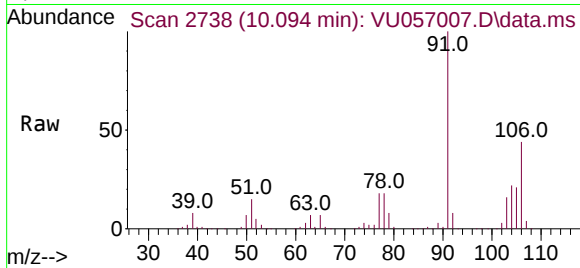




#54
o-Xylene
Concen: 5.242 ug/L
RT: 10.094 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

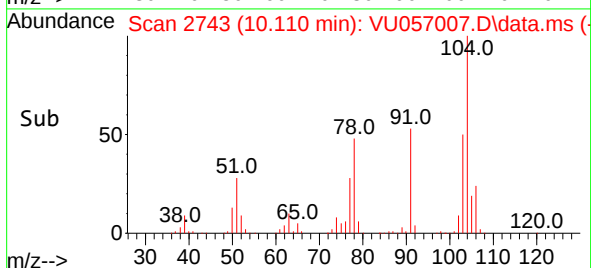
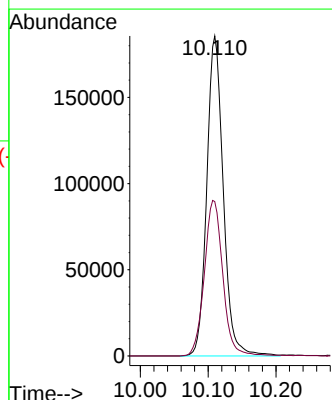
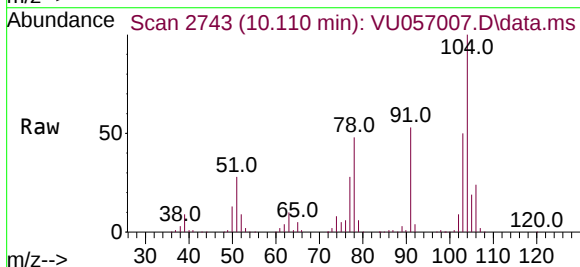
Instrument :
MSVOA_U
ClientSampleId :

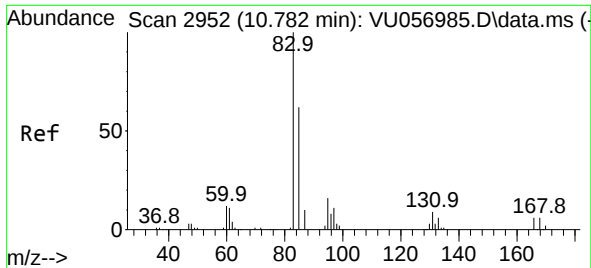
Tgt Ion:106 Resp: 182036
Ion Ratio Lower Upper
106 100
91 226.1 160.2 297.6



#55
Styrene
Concen: 5.509 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Tgt Ion:104 Resp: 314122
Ion Ratio Lower Upper
104 100
78 48.3 35.6 66.2

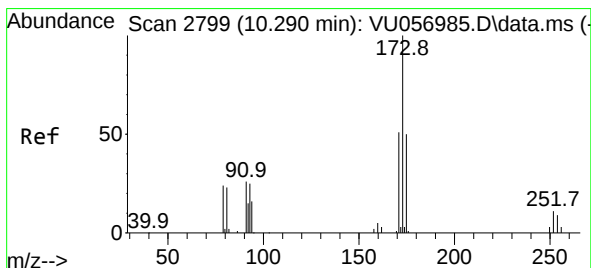
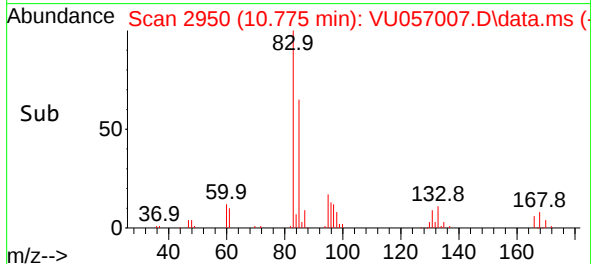
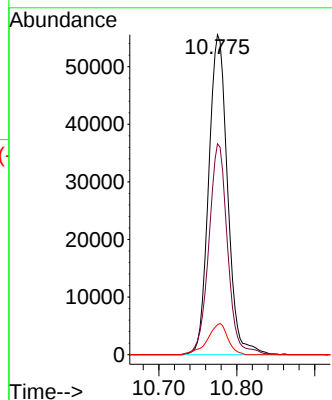
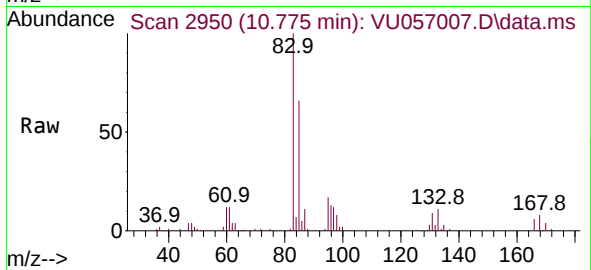




#57
1,1,2,2-Tetrachloroethane
Concen: 5.214 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.006 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

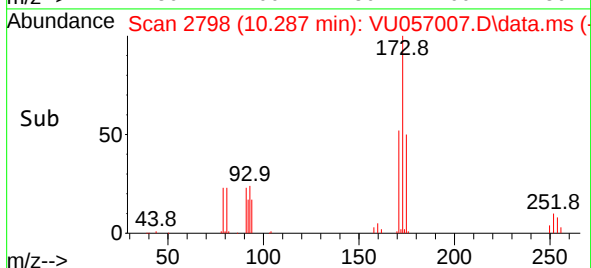
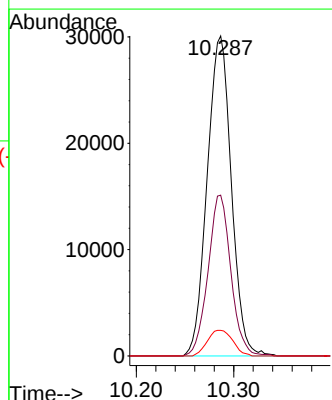
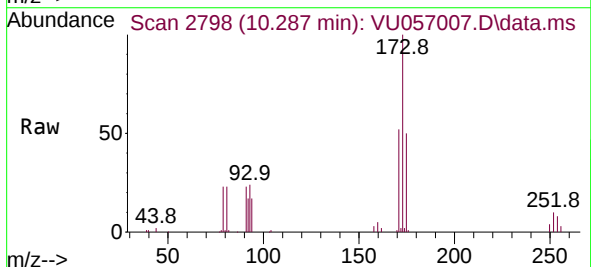
Instrument :
MSVOA_U
ClientSampleId :

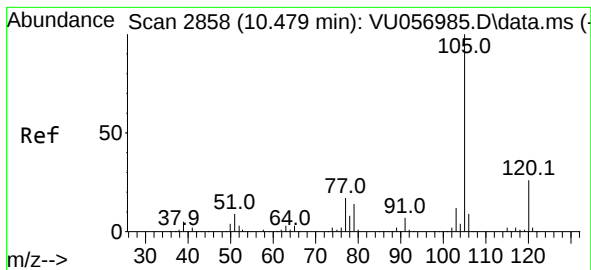
Tgt Ion: 83 Resp: 93367
Ion Ratio Lower Upper
83 100
85 65.9 45.4 84.4
131 9.4 6.6 9.8



#59
Bromoform
Concen: 4.981 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. -0.003 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Tgt Ion:173 Resp: 51796
Ion Ratio Lower Upper
173 100
175 47.5 38.2 57.2
254 8.4 7.0 10.4





#60

Isopropylbenzene

Concen: 4.957 ug/L

RT: 10.479 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

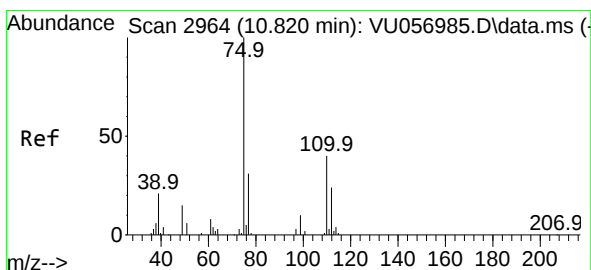
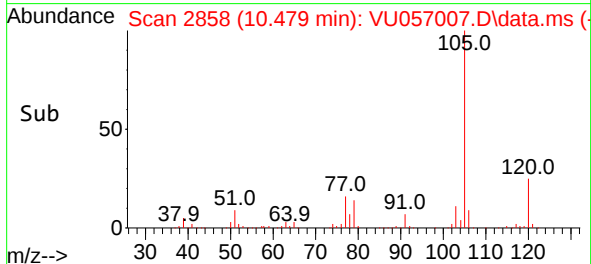
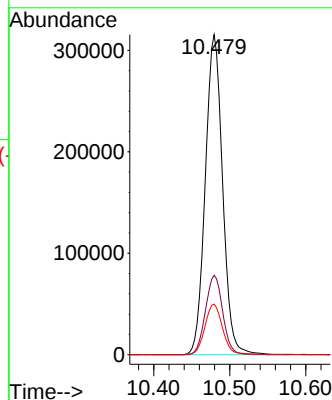
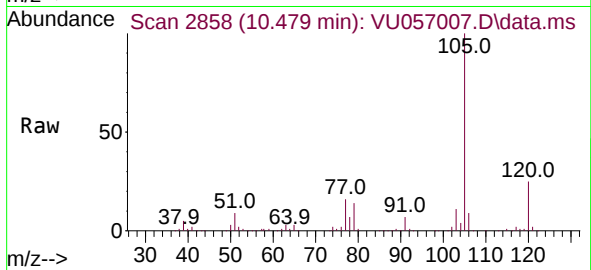
Tgt Ion:105 Resp: 498806

Ion Ratio Lower Upper

105 100

120 24.8 20.1 30.1

77 16.0 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.768 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

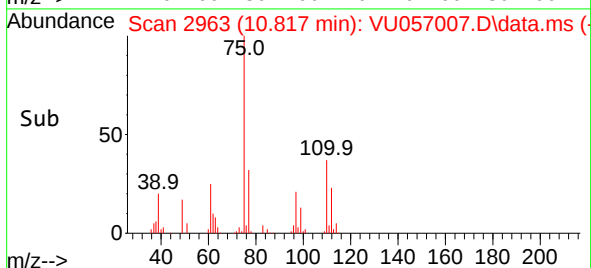
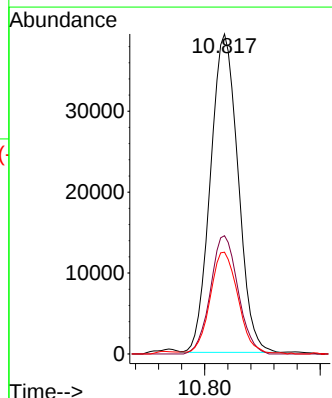
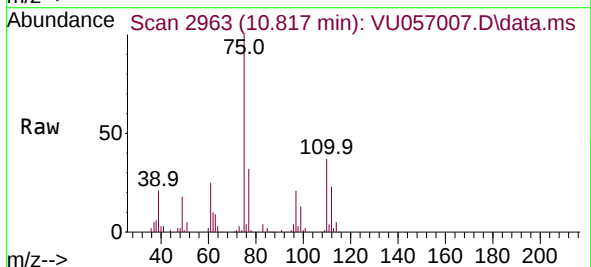
Tgt Ion: 75 Resp: 65196

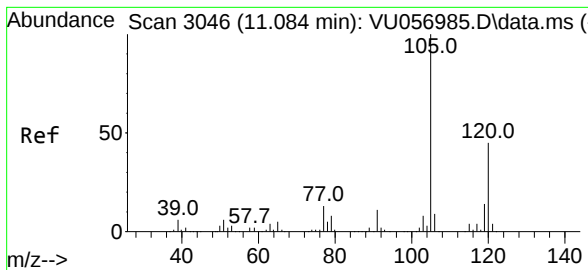
Ion Ratio Lower Upper

75 100

110 37.2 28.4 42.6

77 32.7 26.3 39.5

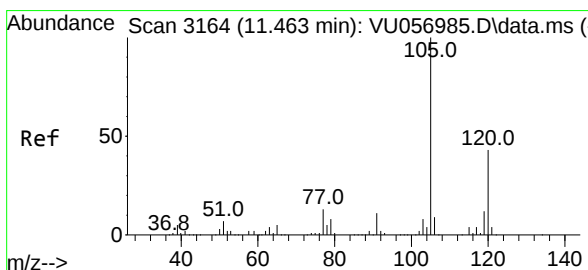
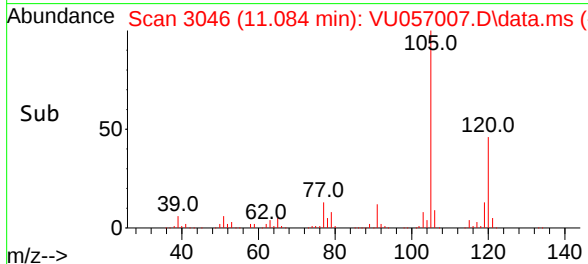
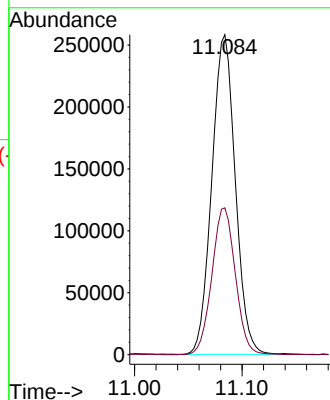
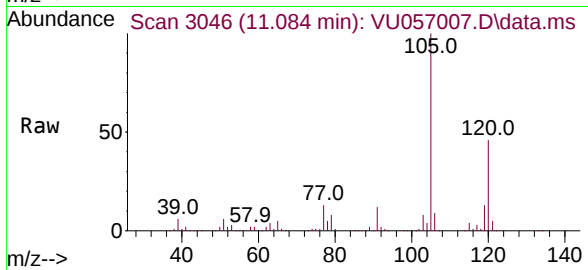




#62
 1,3,5-Trimethylbenzene
 Concen: 4.755 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU057007.D
 Acq: 18 Dec 2023 20:48

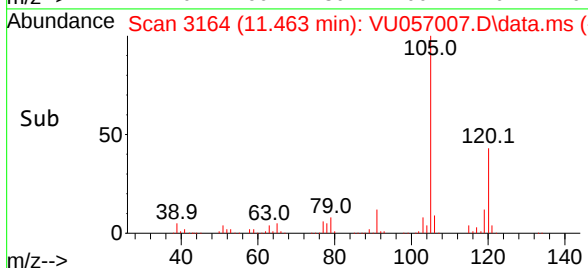
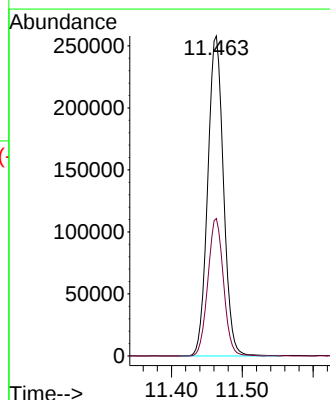
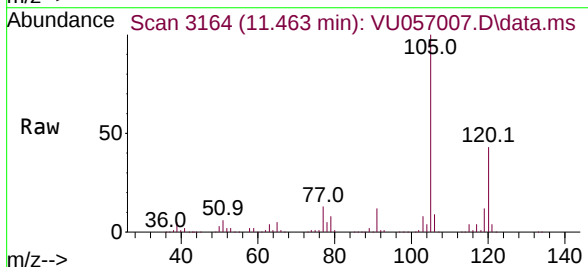
Instrument :
 MSVOA_U
 ClientSampleId :

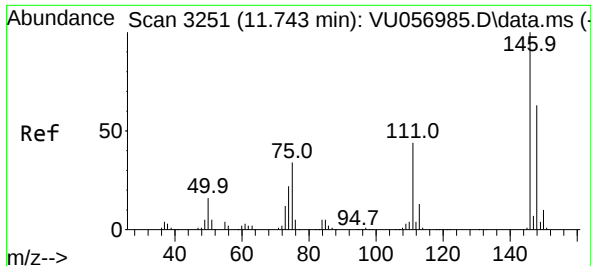
Tgt Ion:105 Resp: 391031
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.8 55.2



#63
 1,2,4-Trimethylbenzene
 Concen: 4.872 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU057007.D
 Acq: 18 Dec 2023 20:48

Tgt Ion:105 Resp: 397905
 Ion Ratio Lower Upper
 105 100
 120 42.7 34.2 51.4

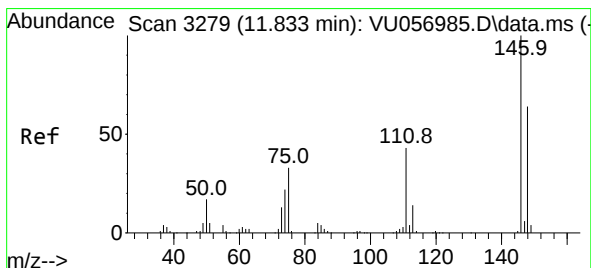
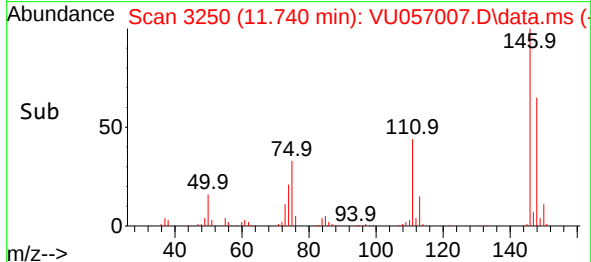
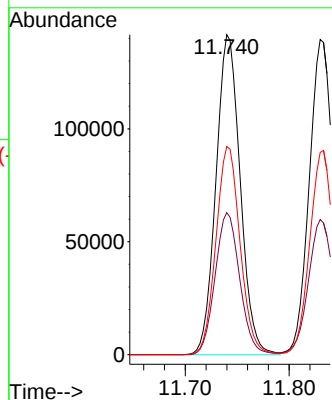
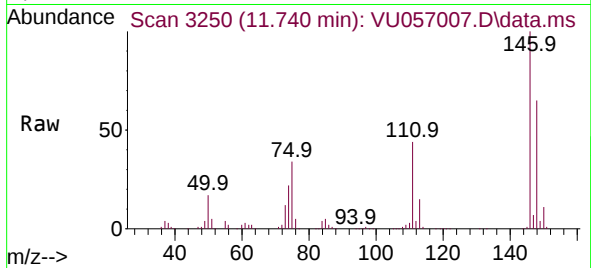




#64
1,3-Dichlorobenzene
Concen: 4.824 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

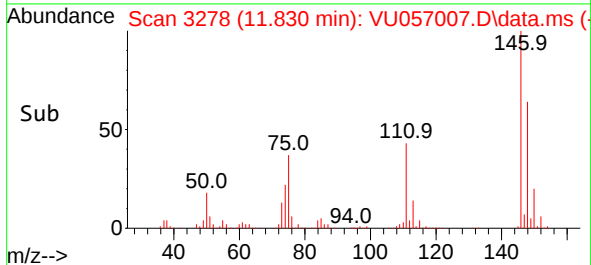
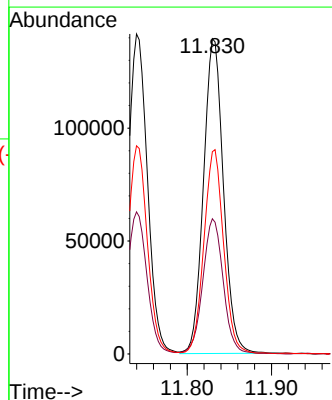
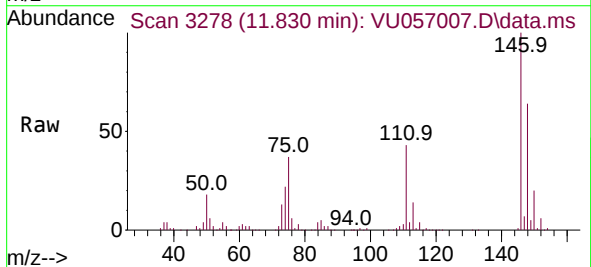
Instrument :
MSVOA_U
ClientSampleId :

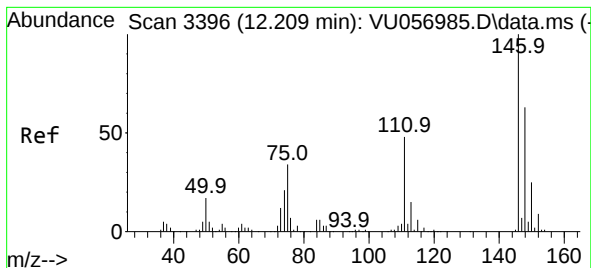
Tgt Ion:146 Resp: 229607
Ion Ratio Lower Upper
146 100
111 44.4 31.7 58.9
148 65.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.906 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Tgt Ion:146 Resp: 229941
Ion Ratio Lower Upper
146 100
111 42.9 31.2 58.0
148 64.2 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 5.161 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

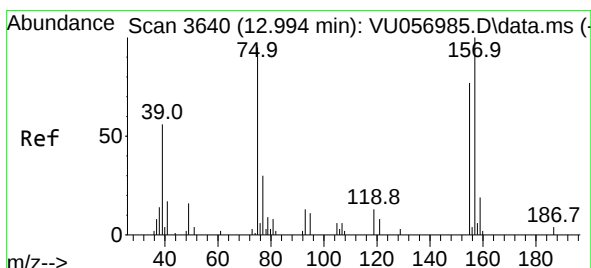
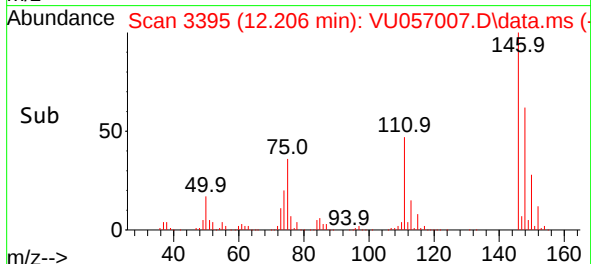
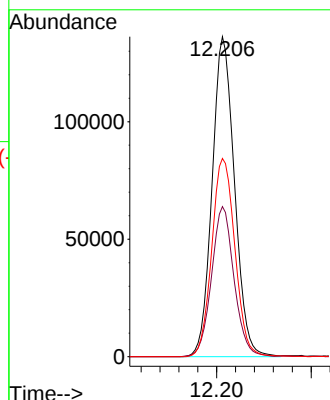
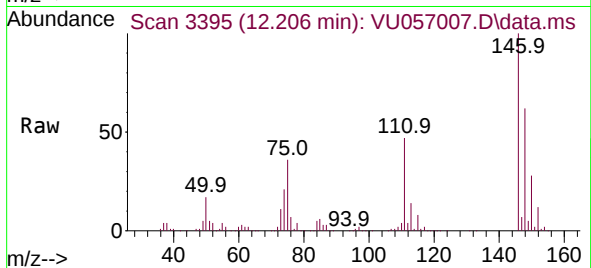
Tgt Ion:146 Resp: 223798

Ion Ratio Lower Upper

146 100

111 46.9 36.9 55.3

148 62.0 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.191 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.006 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

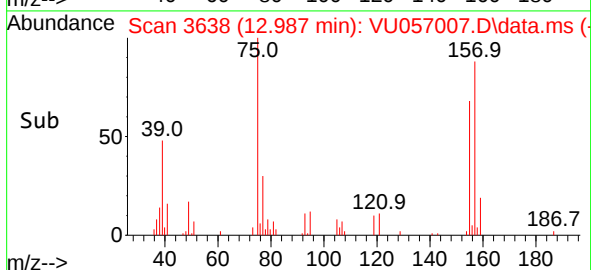
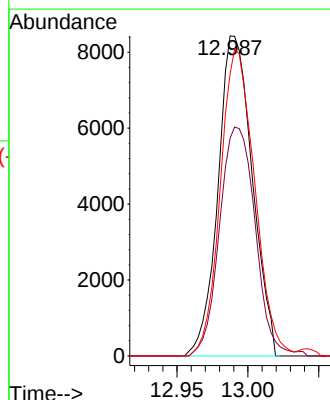
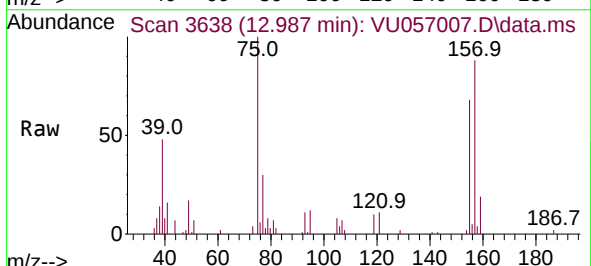
Tgt Ion: 75 Resp: 14171

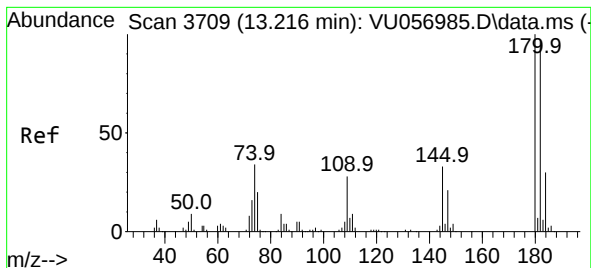
Ion Ratio Lower Upper

75 100

155 68.0 55.4 83.2

157 88.2 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 4.938 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 177608

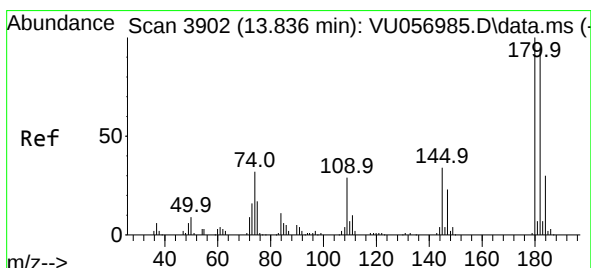
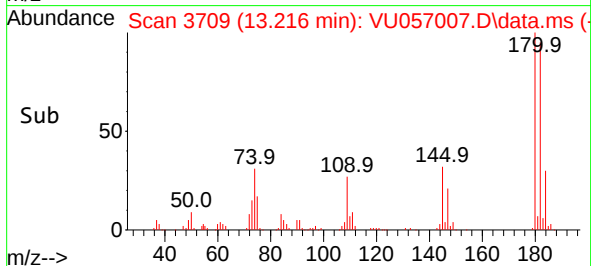
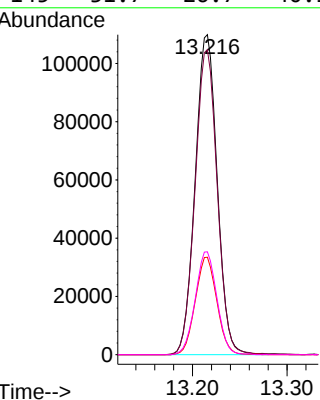
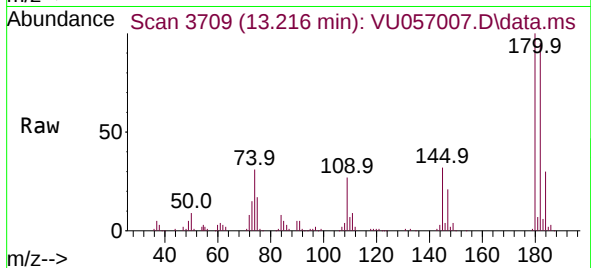
Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.4

184 29.8 24.6 37.0

145 31.7 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 4.642 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU057007.D

Acq: 18 Dec 2023 20:48

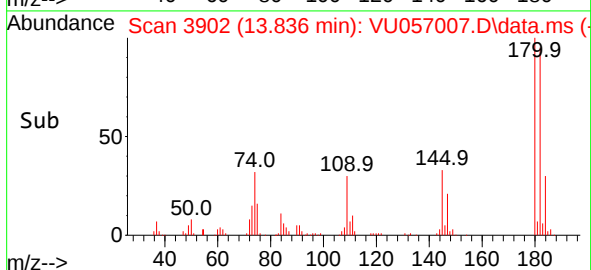
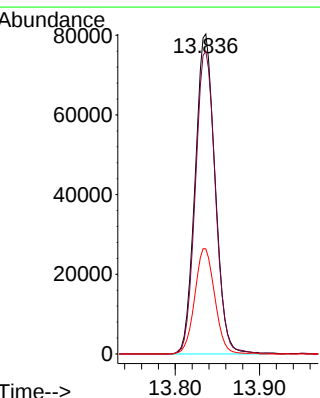
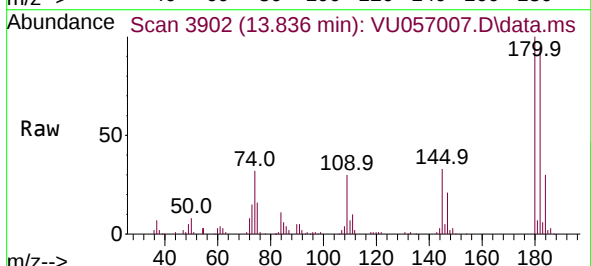
Tgt Ion:180 Resp: 132219

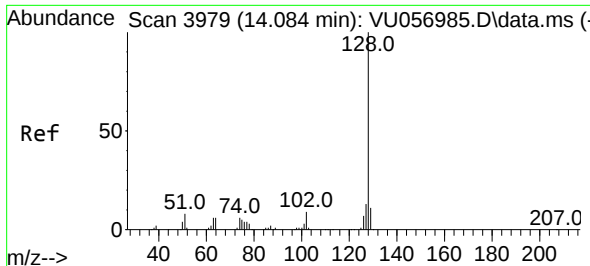
Ion Ratio Lower Upper

180 100

182 95.0 74.3 111.5

145 33.1 26.7 40.1

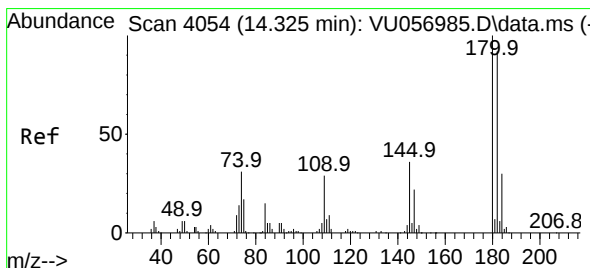
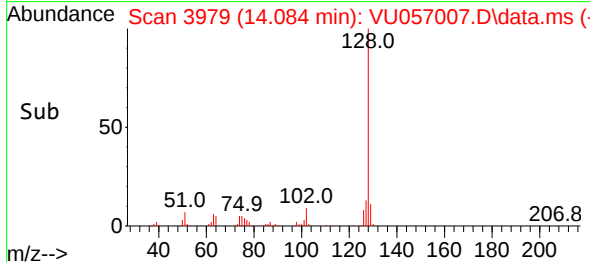
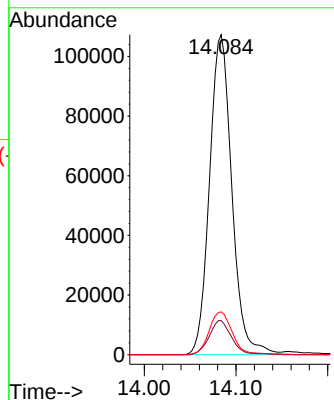
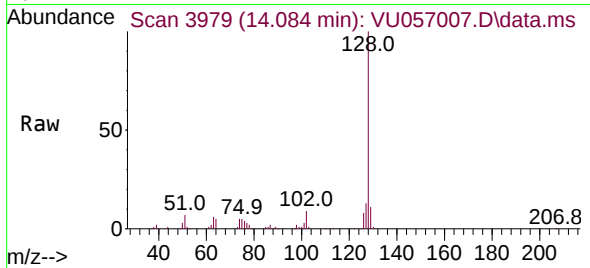




#71
Naphthalene
Concen: 4.352 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	14.0	10.2	15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.812 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU057007.D
Acq: 18 Dec 2023 20:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.0	112.6
145	35.2	28.6	42.8

