

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057211.D
 Acq On : 22 Dec 2023 23:48
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 23 00:09:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 22 22:46:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	177325	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	173520	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	82517	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	77343	4.563	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.200%
7) Chloroethane-d5	1.911	69	66970	4.800	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.563	65	32691	4.452	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.000%
20) 2-Butanone-d5	4.621	46	158401	59.525	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.040%
24) Chloroform-d	5.055	84	165062	5.043	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.695	65	79461	5.094	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
32) Benzene-d6	5.721	84	301166	5.060	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.682	67	91160	5.383	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.600%
41) Toluene-d8	7.891	98	268888	4.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
43) trans-1,3-Dichloroprop...	8.174	79	34614	4.910	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.627	63	140325	58.459	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.920%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	68394	5.675	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	87781	4.944	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	84486	5.095	ug/L	100
3) Chloromethane	1.518	50	81562	5.613	ug/L	98
5) Vinyl chloride	1.602	62	87999	5.677	ug/L	97
6) Bromomethane	1.856	94	39194	5.781	ug/L	97
8) Chloroethane	1.933	64	52615	5.346	ug/L	98
9) Trichlorofluoromethane	2.136	101	143668	5.044	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	79643	5.401	ug/L	99
12) 1,1-Dichloroethene	2.576	96	67841	5.117	ug/L	94
13) Acetone	2.637	43	86617	54.137	ug/L	100
14) Carbon disulfide	2.788	76	199794	4.790	ug/L	99
15) Methyl Acetate	2.949	43	23270	6.167	ug/L	97
16) Methylene chloride	3.039	84	81145	5.265	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	159881	5.679	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	69673	5.390	ug/L	96
19) 1,1-Dichloroethane	3.859	63	143173	5.581	ug/L	97
21) 2-Butanone	4.701	43	140496	57.619	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	78770	5.533	ug/L	98
23) Bromochloromethane	4.965	128	34687	5.623	ug/L	94
25) Chloroform	5.081	83	152277	5.262	ug/L	98

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 ALS Vial : 29 Sample Multiplier: 1

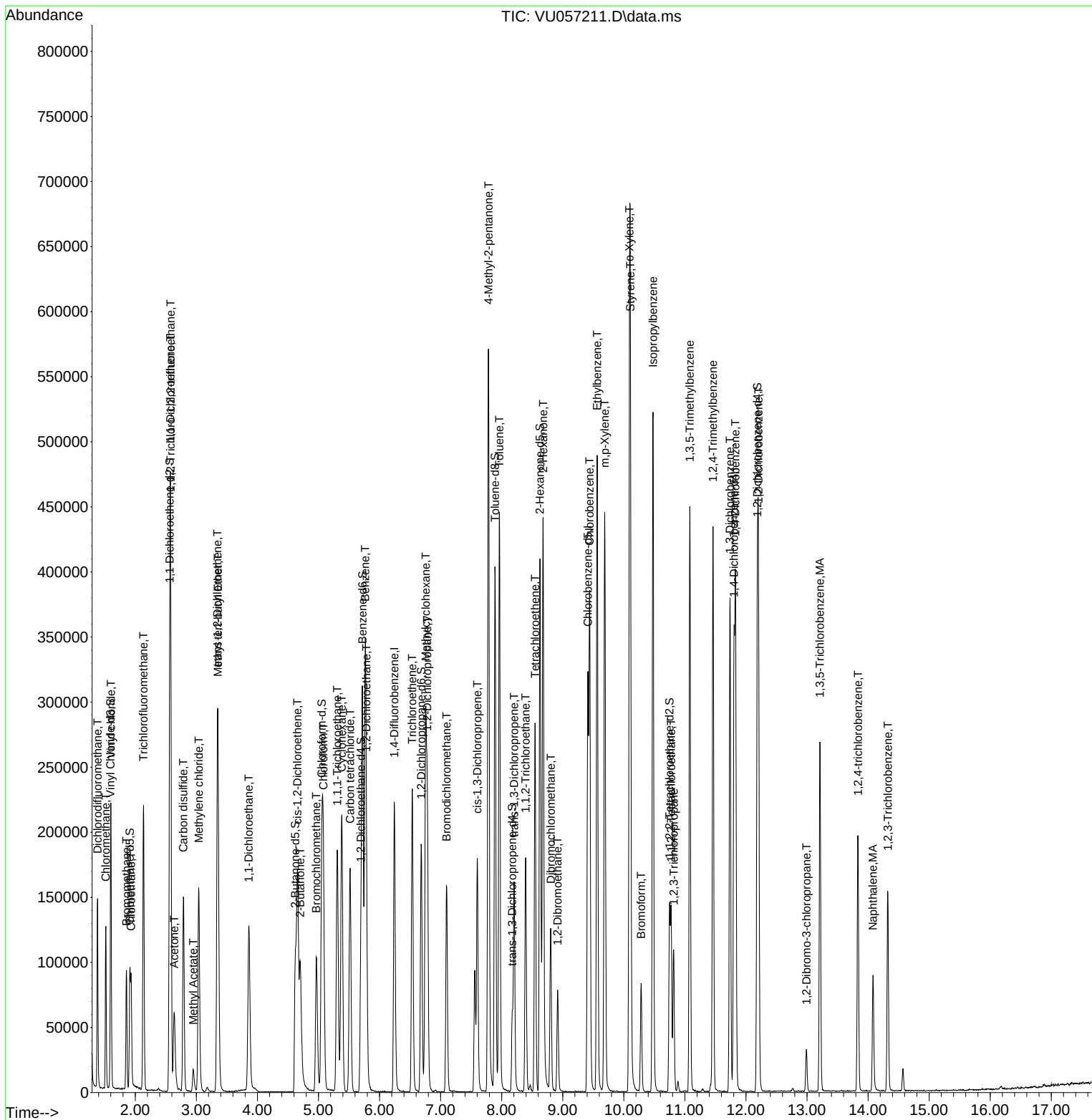
Instrument :
 MSVOA_U
 ClientSampleId :

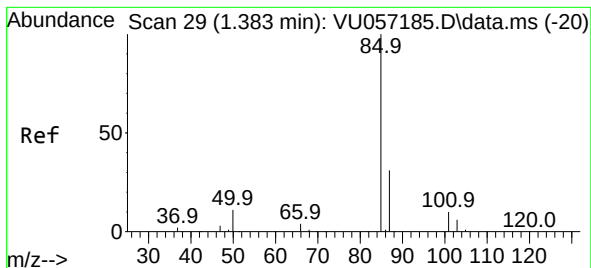
Quant Time: Dec 23 00:09:26 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 22 22:46:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	89451	5.239	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	141018	5.114	ug/L	99
30) Cyclohexane	5.380	56	100675	5.400	ug/L	98
31) Carbon tetrachloride	5.518	117	123197	5.079	ug/L	99
33) Benzene	5.766	78	304415	5.534	ug/L	100
34) Trichloroethene	6.537	95	82422	5.124	ug/L	92
35) Methylcyclohexane	6.759	83	107439	5.073	ug/L	98
37) 1,2-Dichloropropane	6.782	63	78866	5.764	ug/L	100
38) Bromodichloromethane	7.097	83	107030	5.406	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	111918	5.437	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	354141	59.536	ug/L	99
42) Toluene	7.962	91	323537	5.550	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	96290	5.482	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	56098	5.942	ug/L	93
47) Tetrachloroethene	8.547	164	60104	5.214	ug/L	98
48) 2-Hexanone	8.679	43	258323	59.026	ug/L	99
49) Dibromochloromethane	8.804	129	65238	5.331	ug/L	98
50) 1,2-Dibromoethane	8.917	107	51412	5.801	ug/L	98
51) Chlorobenzene	9.441	112	202869	5.347	ug/L	97
52) Ethylbenzene	9.563	91	345997	5.267	ug/L	97
53) m,p-Xylene	9.688	106	126310	5.257	ug/L	98
54) o-Xylene	10.094	106	122373	5.278	ug/L	90
55) Styrene	10.110	104	209773	5.486	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	66010	5.799	ug/L	98
59) Bromoform	10.283	173	37013	5.845	ug/L	98
60) Isopropylbenzene	10.479	105	334673	5.501	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	45925	5.973	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	239510	4.804	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	234487	4.766	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	152338	5.298	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	146438	5.059	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	138395	5.381	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	9342	5.357	ug/L	93
69) 1,3,5-Trichlorobenzene	13.212	180	82025	3.834	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	58443	3.489	ug/L	98
71) Naphthalene	14.081	128	76032	3.588	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	46336	3.546	ug/L	97

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

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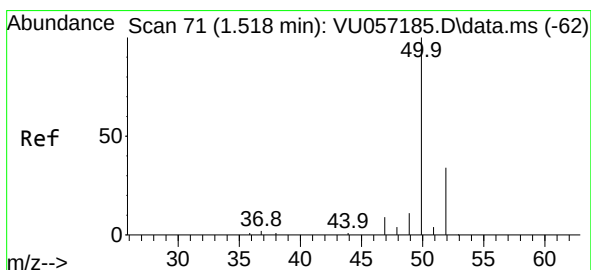
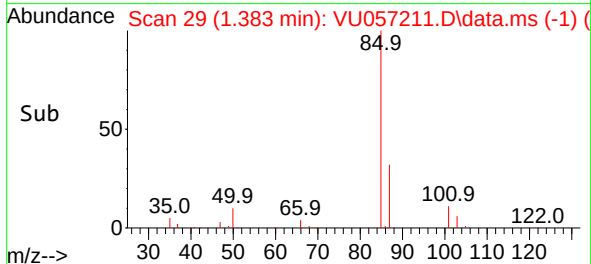
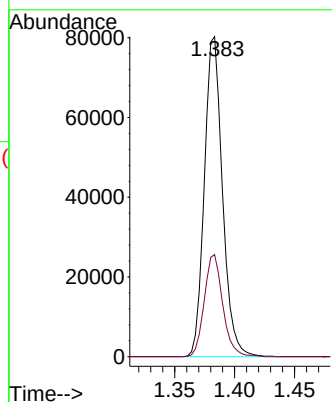
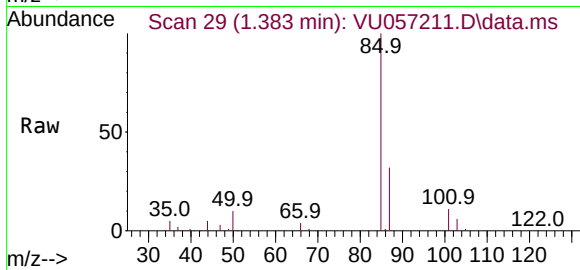




#2
 Dichlorodifluoromethane
 Concen: 5.095 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU057211.D
 Acq: 22 Dec 2023 23:48

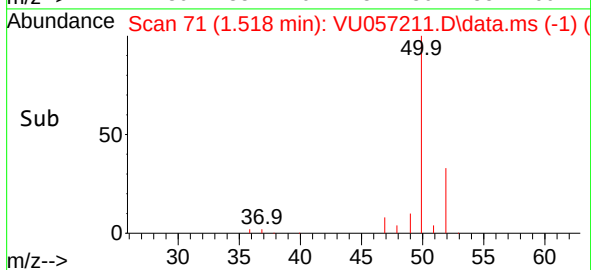
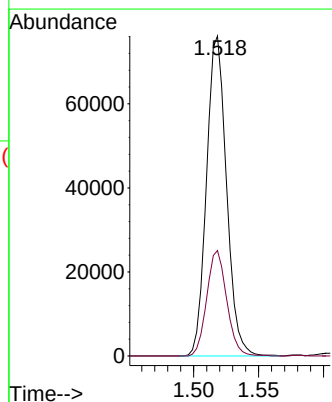
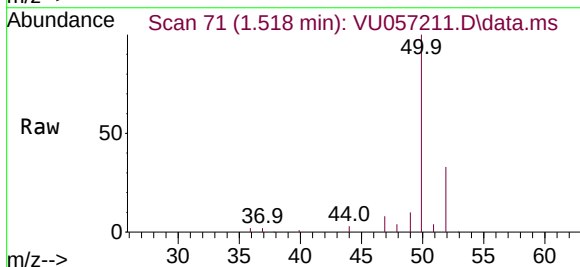
Instrument :
 MSVOA_U
 ClientSampleId :

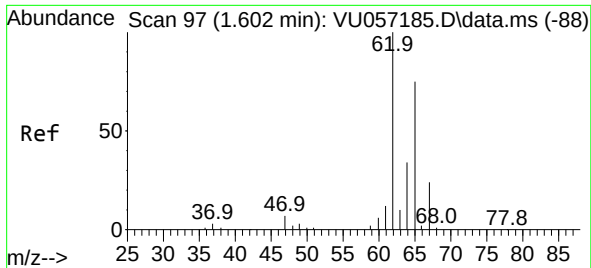
Tgt Ion: 85 Resp: 84486
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.9 38.9



#3
 Chloromethane
 Concen: 5.613 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057211.D
 Acq: 22 Dec 2023 23:48

Tgt Ion: 50 Resp: 81562
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.7 44.1

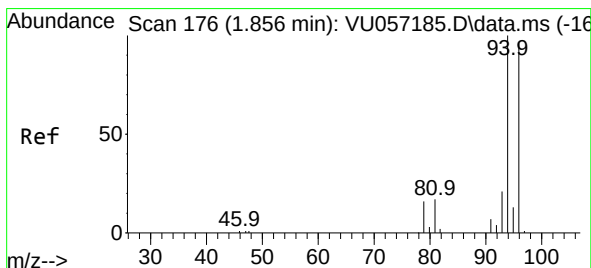
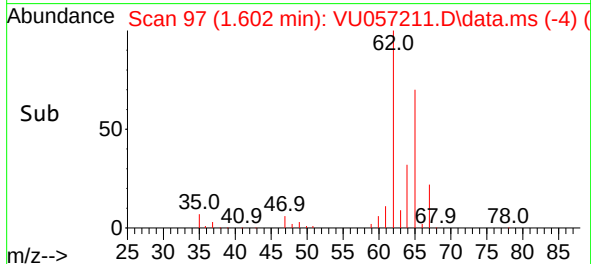
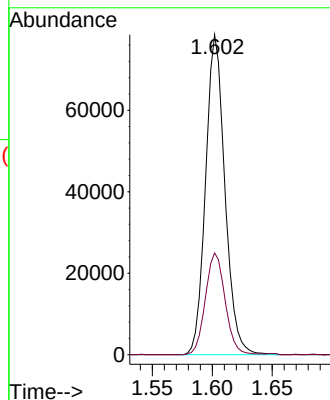
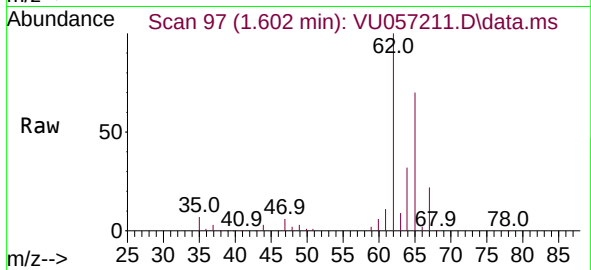




#5
 Vinyl chloride
 Concen: 5.677 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057211.D
 Acq: 22 Dec 2023 23:48

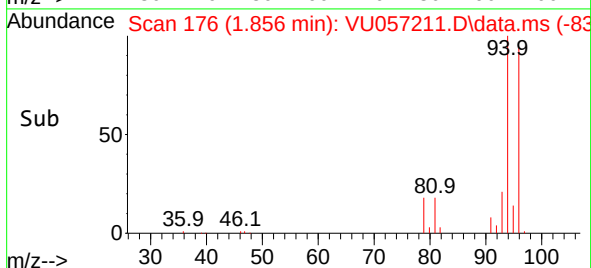
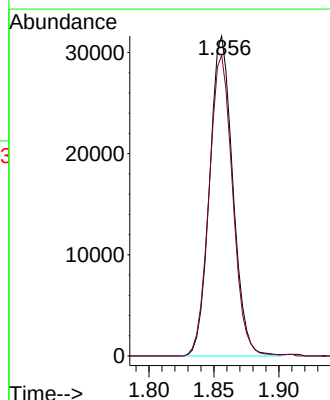
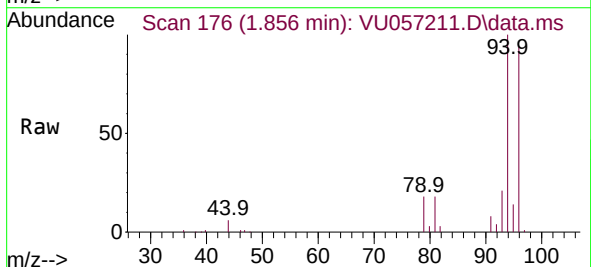
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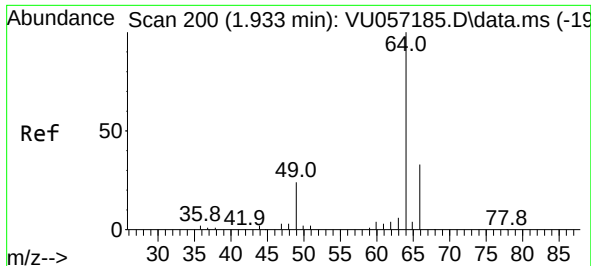
Tgt Ion: 62 Resp: 87999
 Ion Ratio Lower Upper
 62 100
 64 31.8 23.3 43.3



#6
 Bromomethane
 Concen: 5.781 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU057211.D
 Acq: 22 Dec 2023 23:48

Tgt Ion: 94 Resp: 39194
 Ion Ratio Lower Upper
 94 100
 96 94.0 68.2 126.6

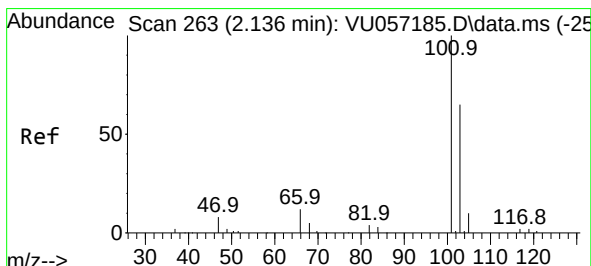
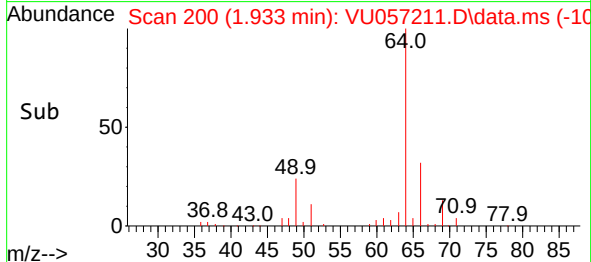
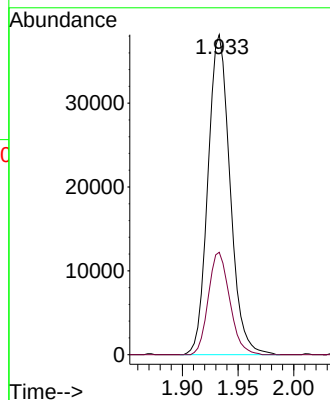
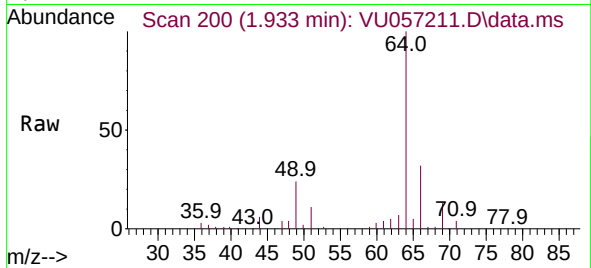




#8
Chloroethane
Concen: 5.346 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

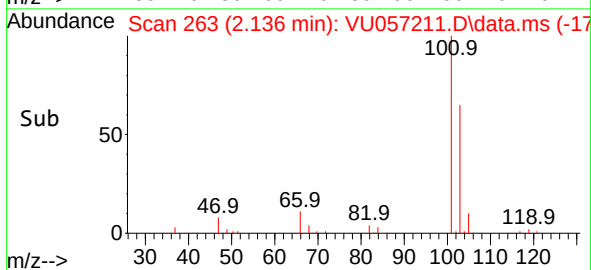
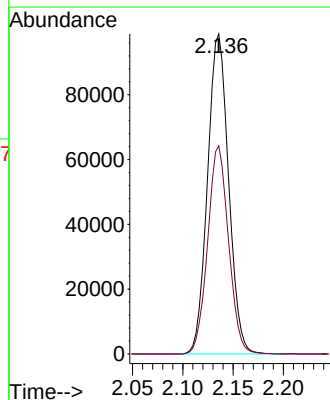
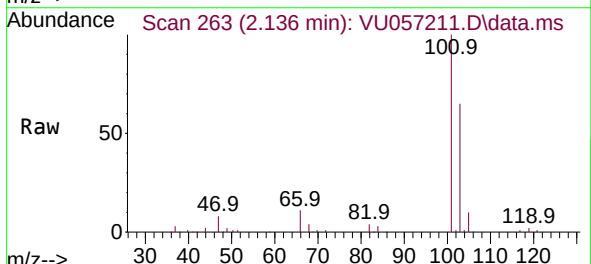
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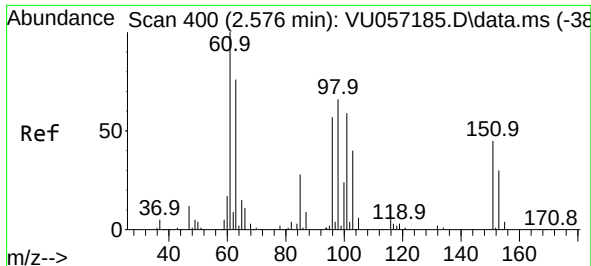
Tgt Ion: 64 Resp: 52615
Ion Ratio Lower Upper
64 100
66 32.0 21.6 40.2



#9
Trichlorofluoromethane
Concen: 5.044 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Tgt Ion:101 Resp: 143668
Ion Ratio Lower Upper
101 100
103 64.6 52.1 78.1

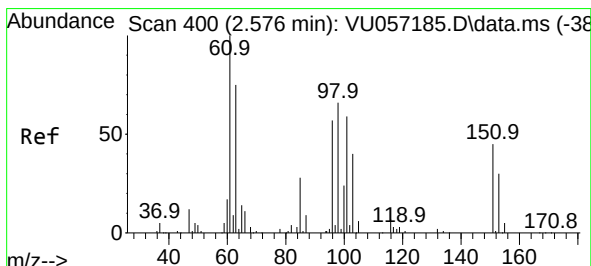
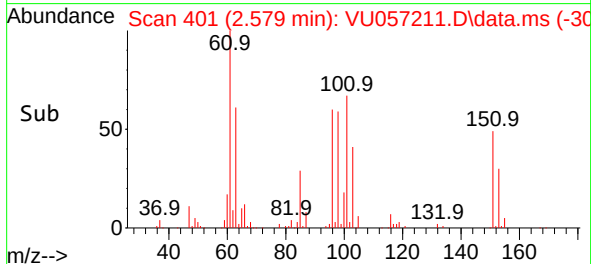
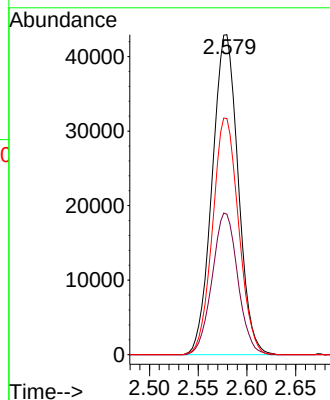
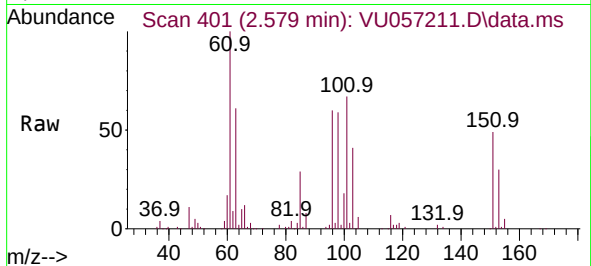




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.401 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

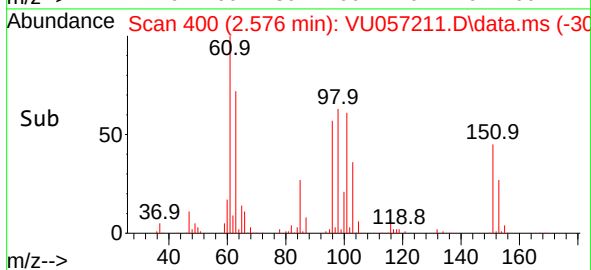
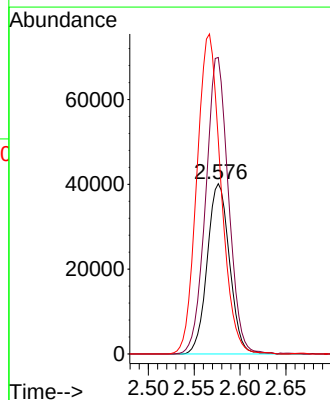
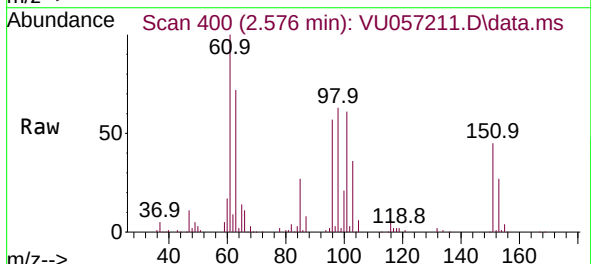
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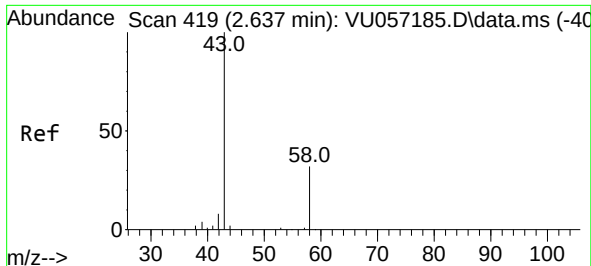
Tgt Ion:101 Resp: 79643
Ion Ratio Lower Upper
101 100
85 43.7 35.6 53.4
151 74.1 59.9 89.9



#12
1,1-Dichloroethene
Concen: 5.117 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Tgt Ion: 96 Resp: 67841
Ion Ratio Lower Upper
96 100
61 174.1 119.6 222.0
63 125.8 96.2 178.8





#13

Acetone

Concen: 54.137 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.000 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

Instrument :

MSVOA_U

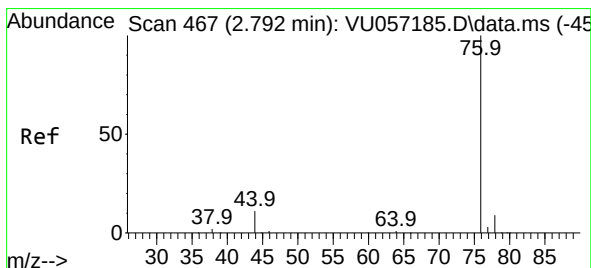
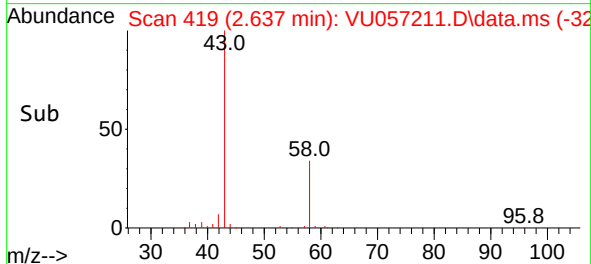
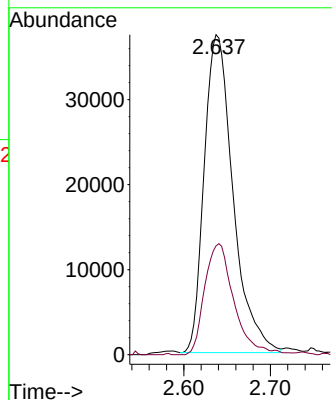
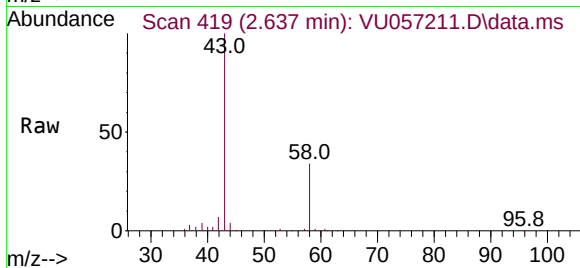
ClientSampleId :

Tgt Ion: 43 Resp: 86617

Ion Ratio Lower Upper

43 100

58 35.4 0.0 70.8



#14

Carbon disulfide

Concen: 4.790 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU057211.D

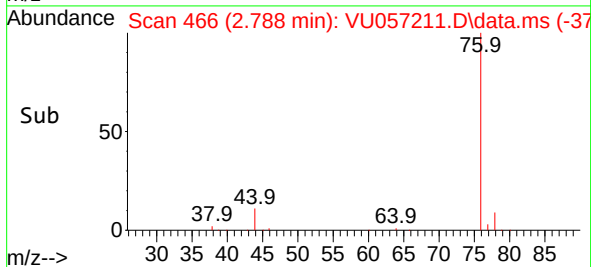
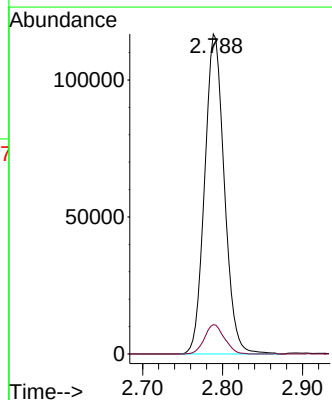
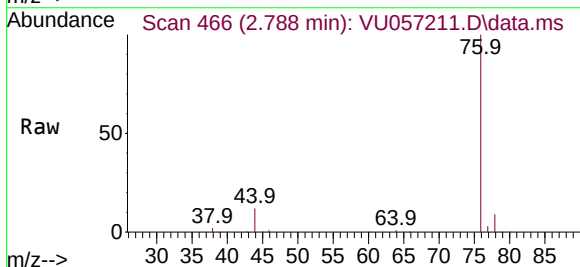
Acq: 22 Dec 2023 23:48

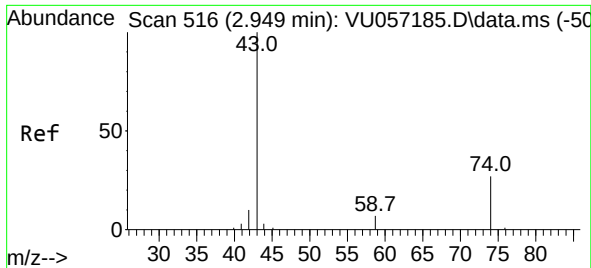
Tgt Ion: 76 Resp: 199794

Ion Ratio Lower Upper

76 100

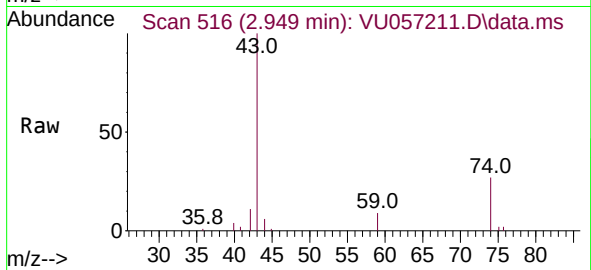
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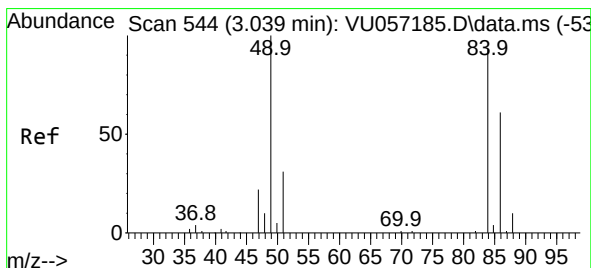
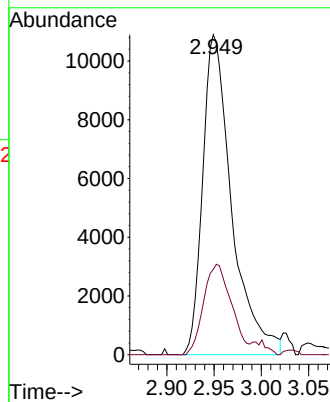
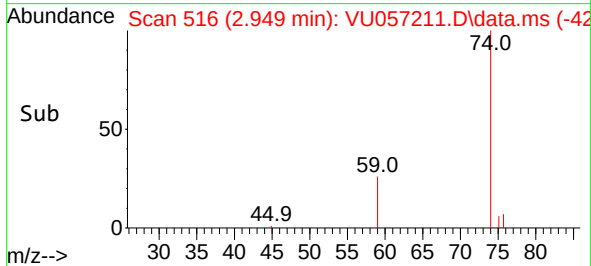


#15
Methyl Acetate
Concen: 6.167 ug/L
RT: 2.949 min Scan# 516
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Instrument :
MSVOA_U
ClientSampleId :

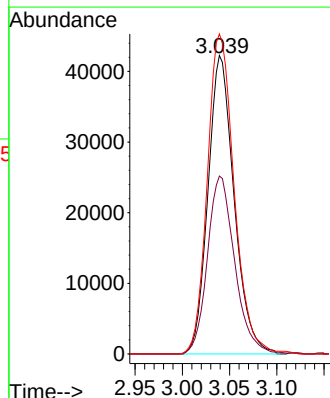
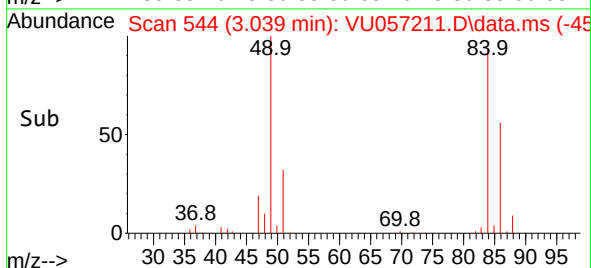
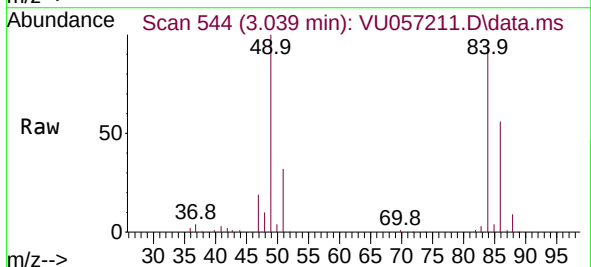


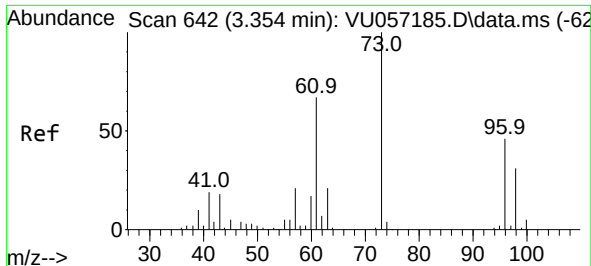
Tgt Ion: 43 Resp: 23270
Ion Ratio Lower Upper
43 100
74 27.1 22.8 34.2



#16
Methylene chloride
Concen: 5.265 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Tgt Ion: 84 Resp: 81145
Ion Ratio Lower Upper
84 100
86 59.6 44.7 82.9
49 107.2 76.0 141.2

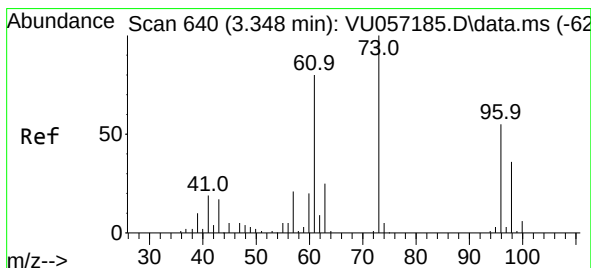
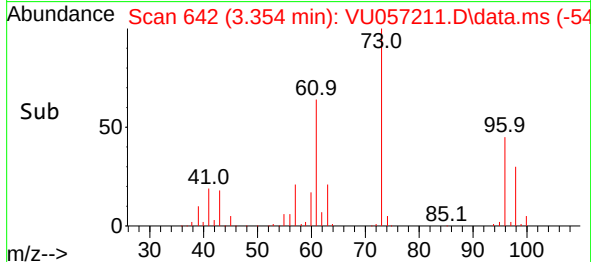
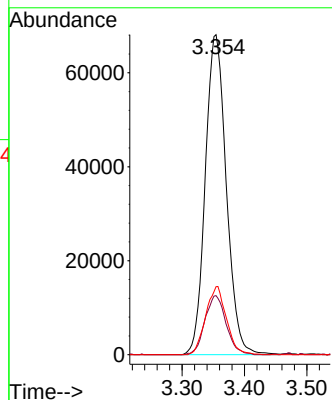
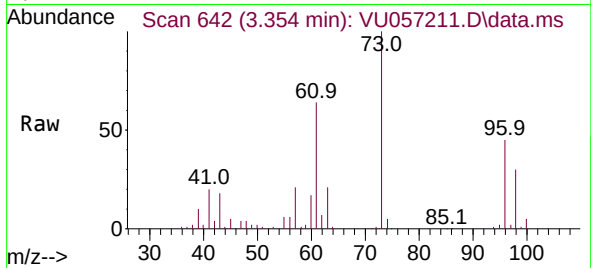




#17
Methyl tert-butyl Ether
Concen: 5.679 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

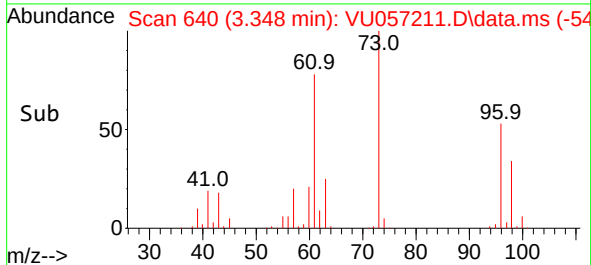
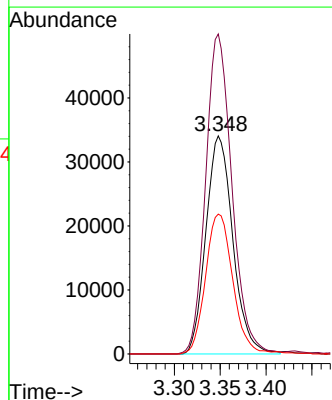
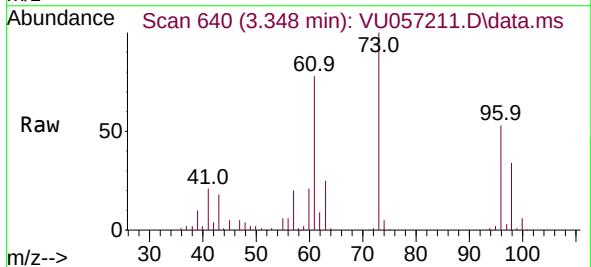
Instrument :
MSVOA_U
ClientSampleId :

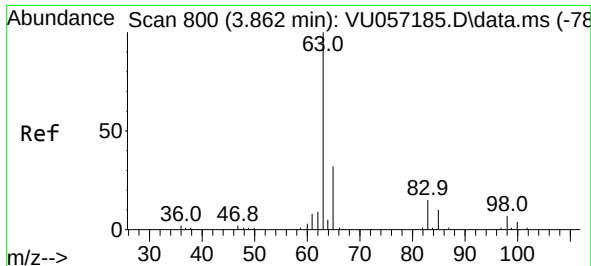
Tgt Ion: 73 Resp: 159881
Ion Ratio Lower Upper
73 100
43 18.6 15.4 23.0
57 20.9 16.2 24.2



#18
trans-1,2-Dichloroethene
Concen: 5.390 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Tgt Ion: 96 Resp: 69673
Ion Ratio Lower Upper
96 100
61 146.7 98.4 182.8
98 64.1 43.6 81.0





#19

1,1-Dichloroethane

Concen: 5.581 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

Instrument :

MSVOA_U

ClientSampleId :

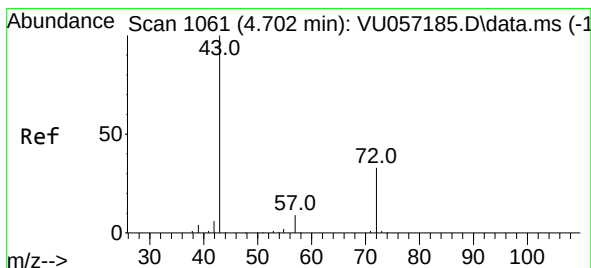
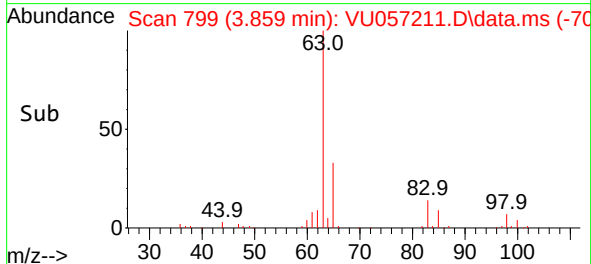
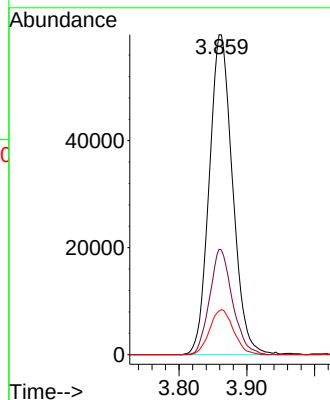
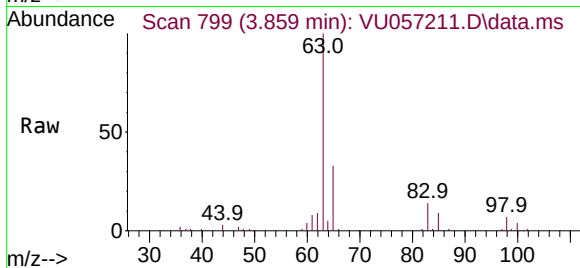
Tgt Ion: 63 Resp: 143173

Ion Ratio Lower Upper

63 100

65 32.9 21.6 40.2

83 13.6 10.2 19.0



#21

2-Butanone

Concen: 57.619 ug/L

RT: 4.701 min Scan# 1061

Delta R.T. -0.000 min

Lab File: VU057211.D

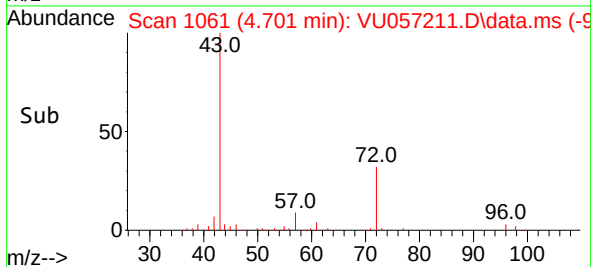
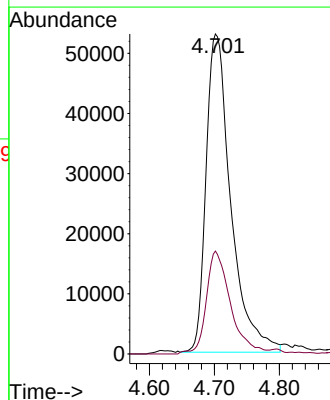
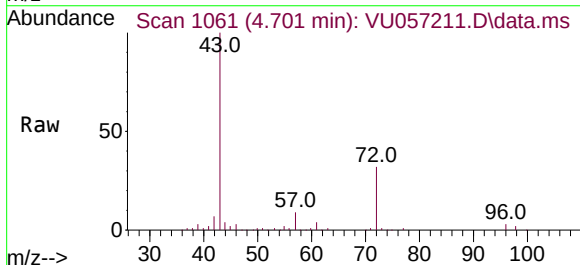
Acq: 22 Dec 2023 23:48

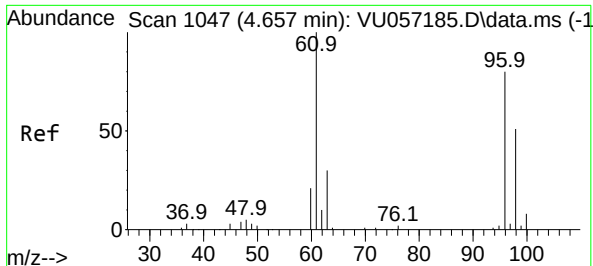
Tgt Ion: 43 Resp: 140496

Ion Ratio Lower Upper

43 100

72 31.5 16.3 48.8

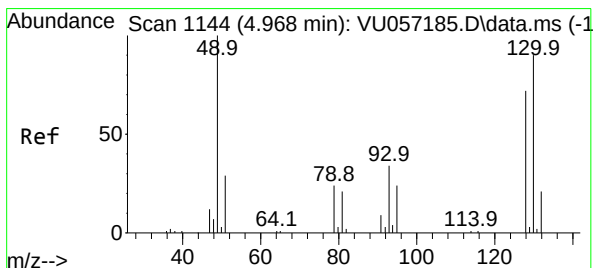
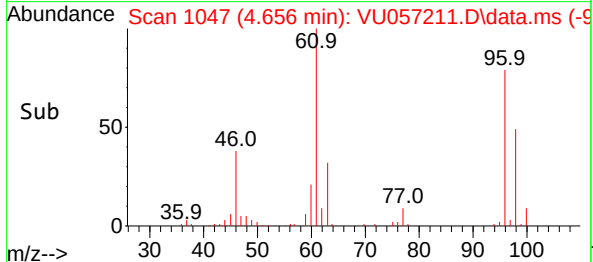
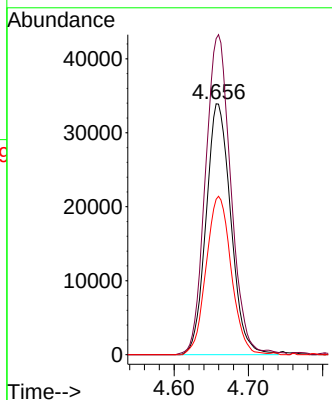
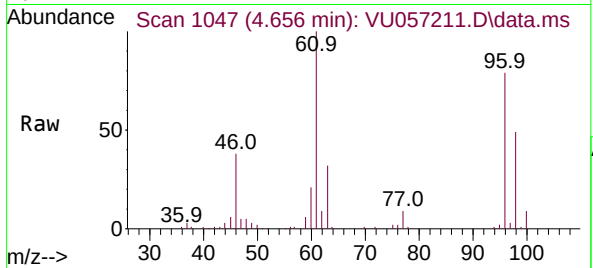




#22
 cis-1,2-Dichloroethene
 Concen: 5.533 ug/L
 RT: 4.656 min Scan# 110
 Delta R.T. -0.000 min
 Lab File: VU057211.D
 Acq: 22 Dec 2023 23:48

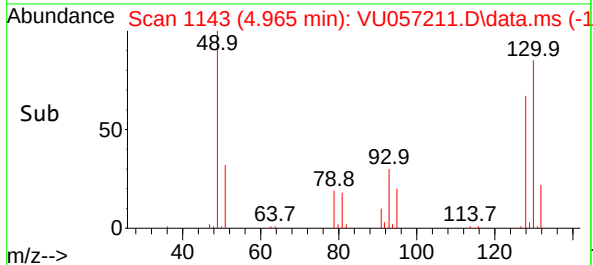
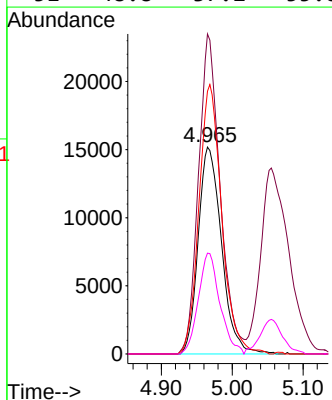
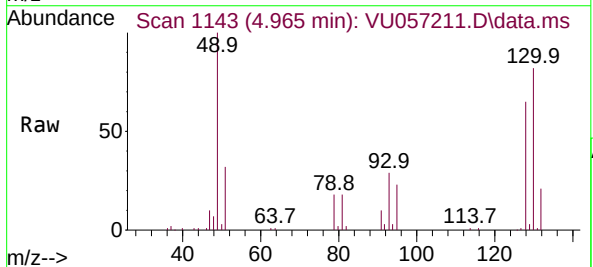
Instrument :
 MSVOA_U
 ClientSampleId :

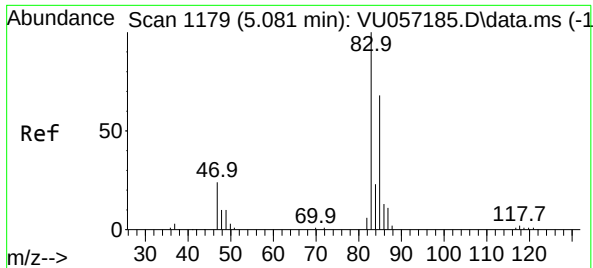
Tgt Ion: 96 Resp: 78770
 Ion Ratio Lower Upper
 96 100
 61 126.0 86.8 161.2
 98 62.0 45.5 84.5



#23
 Bromochloromethane
 Concen: 5.623 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU057211.D
 Acq: 22 Dec 2023 23:48

Tgt Ion: 128 Resp: 34687
 Ion Ratio Lower Upper
 128 100
 49 154.7 102.7 190.7
 130 127.0 94.7 175.9
 51 48.8 37.2 55.8





#25

Chloroform

Concen: 5.262 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

Instrument :

MSVOA_U

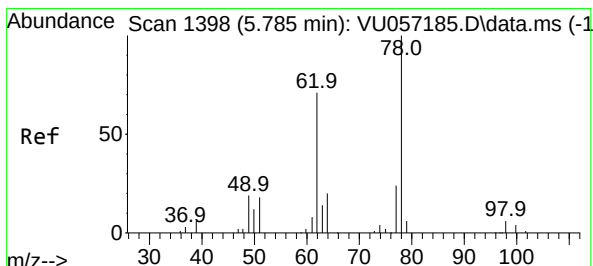
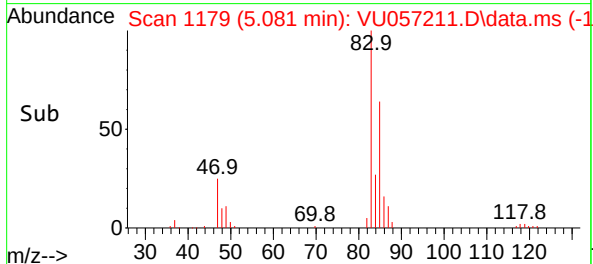
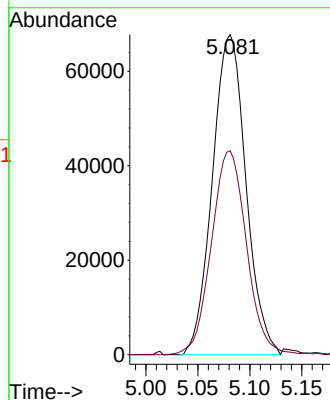
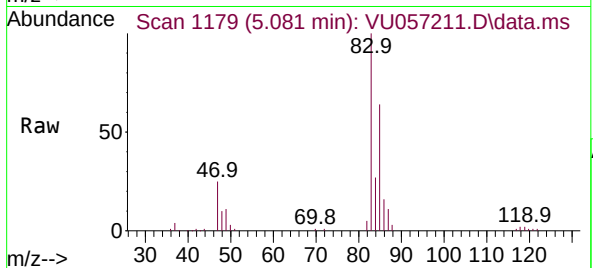
ClientSampleId :

Tgt Ion: 83 Resp: 152277

Ion Ratio Lower Upper

83 100

85 63.7 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.239 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU057211.D

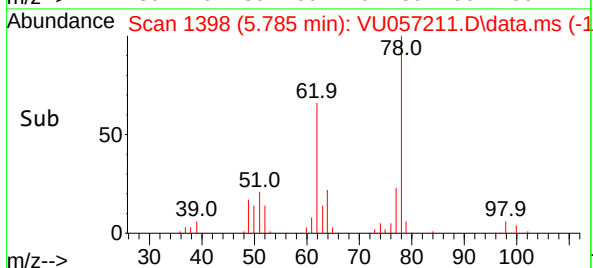
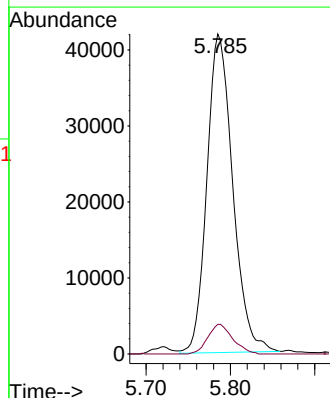
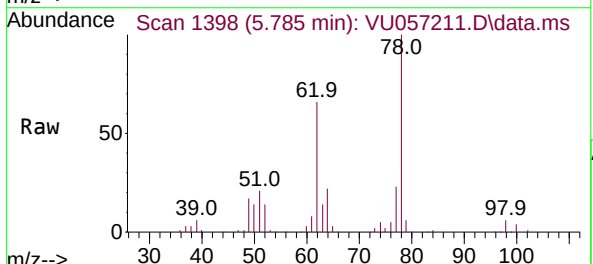
Acq: 22 Dec 2023 23:48

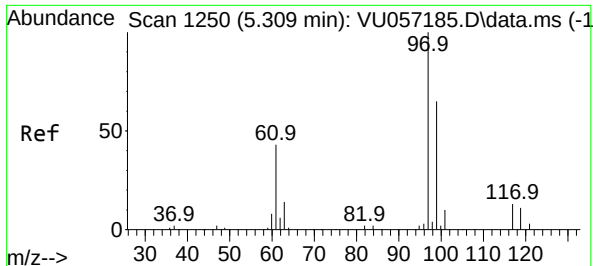
Tgt Ion: 62 Resp: 89451

Ion Ratio Lower Upper

62 100

98 9.2 6.3 9.5

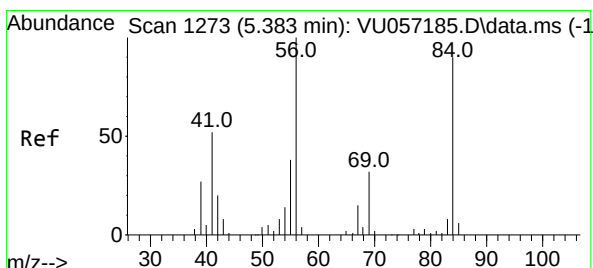
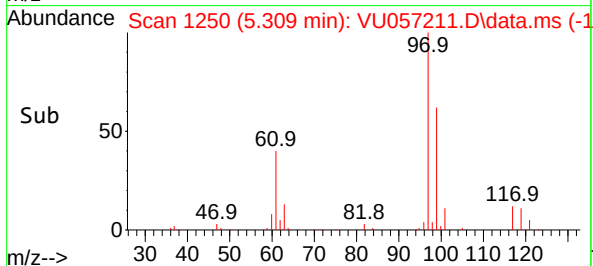
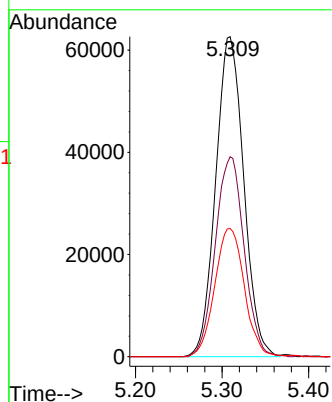
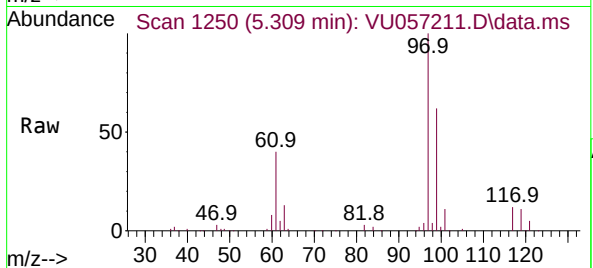




#29
1,1,1-Trichloroethane
Concen: 5.114 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

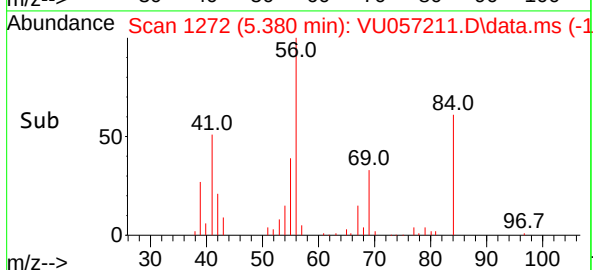
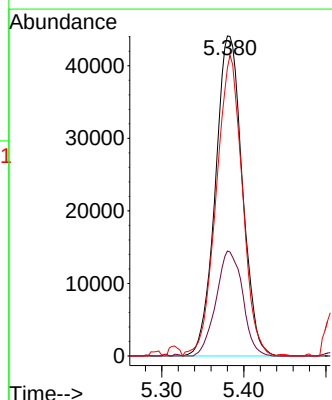
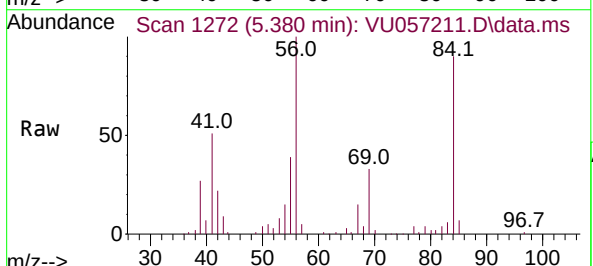
Instrument :
MSVOA_U
ClientSampleId :

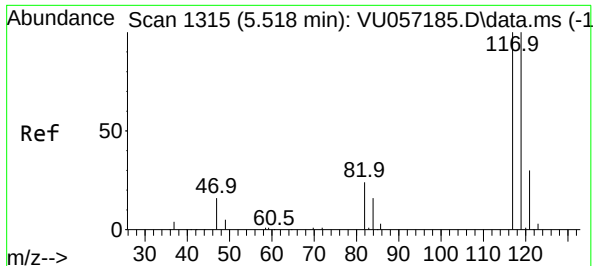
Tgt Ion: 97 Resp: 141018
Ion Ratio Lower Upper
97 100
99 64.1 51.2 76.8
61 42.1 32.5 48.7



#30
Cyclohexane
Concen: 5.400 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Tgt Ion: 56 Resp: 100675
Ion Ratio Lower Upper
56 100
69 32.2 26.7 40.1
84 91.1 74.9 112.3

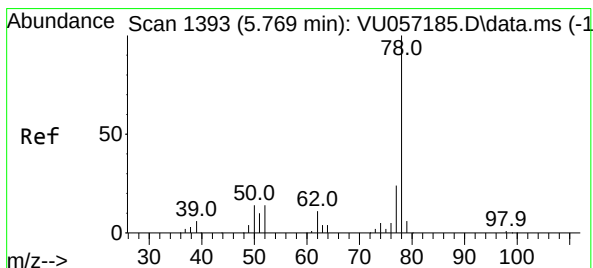
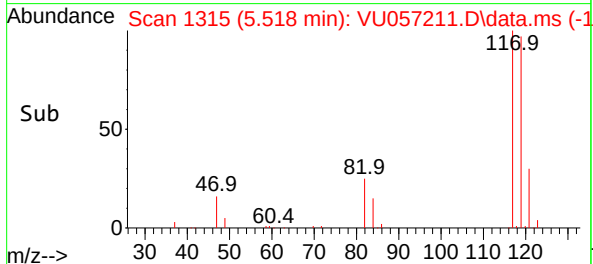
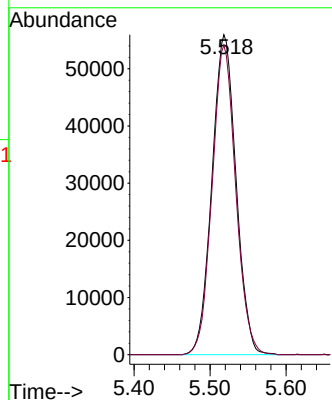
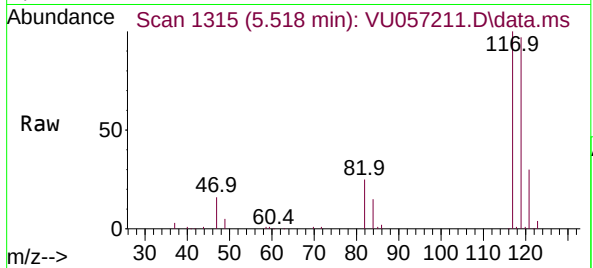




#31
Carbon tetrachloride
Concen: 5.079 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

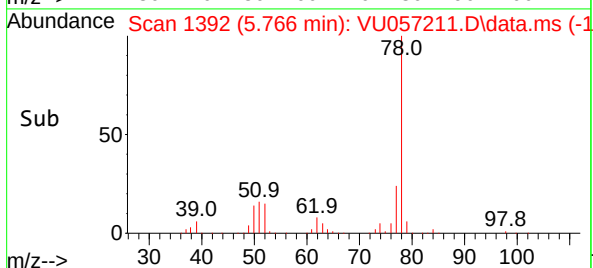
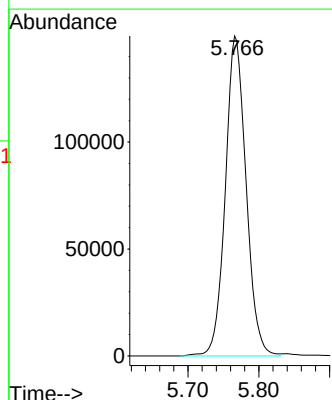
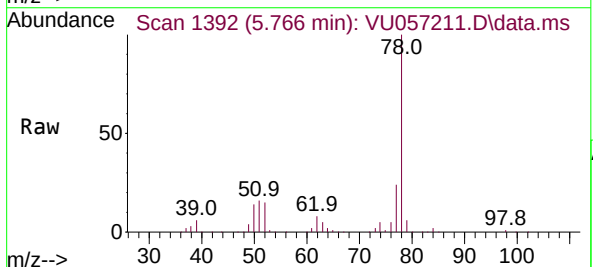
Instrument :
MSVOA_U
ClientSampleId :

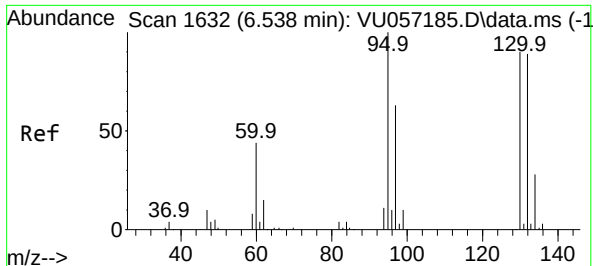
Tgt Ion:117 Resp: 123197
Ion Ratio Lower Upper
117 100
119 94.8 75.1 112.7



#33
Benzene
Concen: 5.534 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Tgt Ion: 78 Resp: 304415





#34

Trichloroethene

Concen: 5.124 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 82422

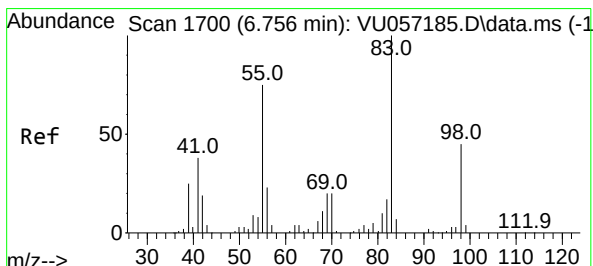
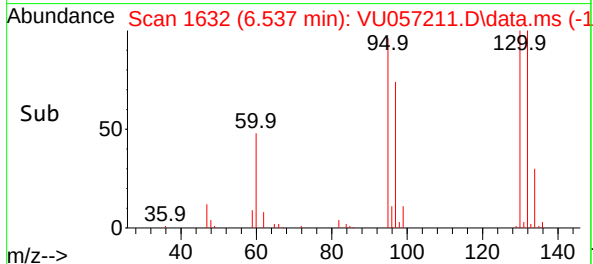
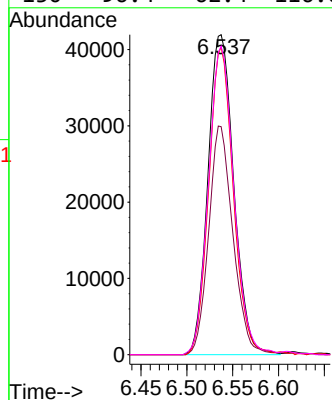
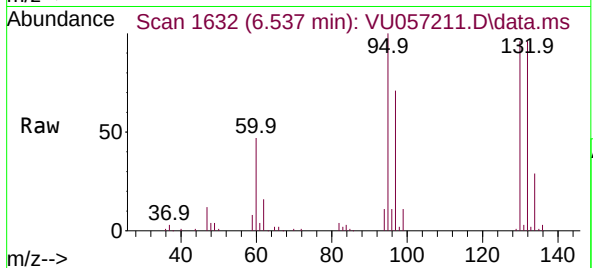
Ion Ratio Lower Upper

95 100

97 71.3 44.3 82.3

132 96.1 62.6 116.2

130 96.4 62.4 116.0



#35

Methylcyclohexane

Concen: 5.073 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

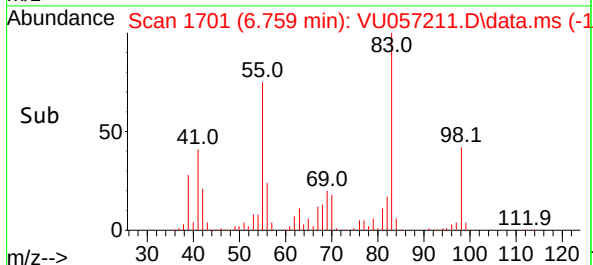
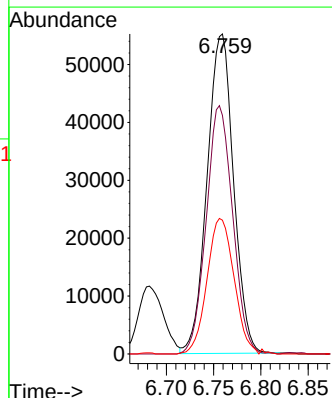
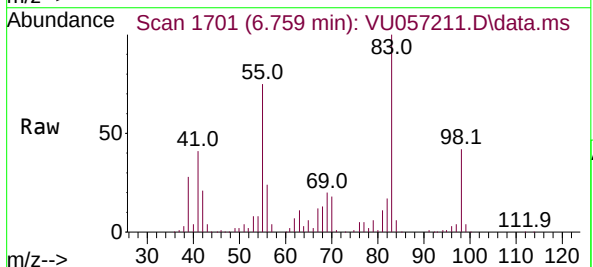
Tgt Ion: 83 Resp: 107439

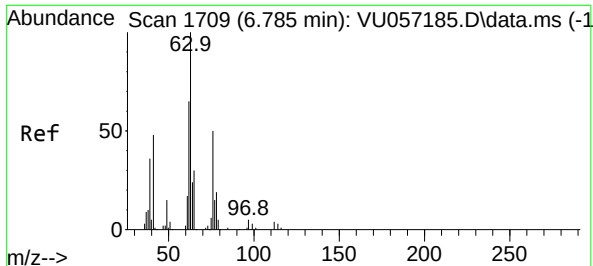
Ion Ratio Lower Upper

83 100

55 77.8 61.3 91.9

98 43.3 36.6 55.0

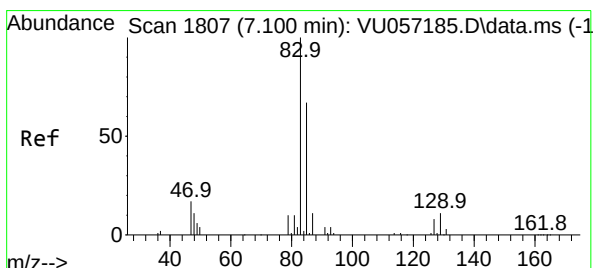
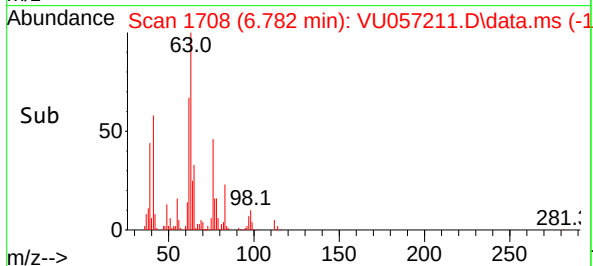
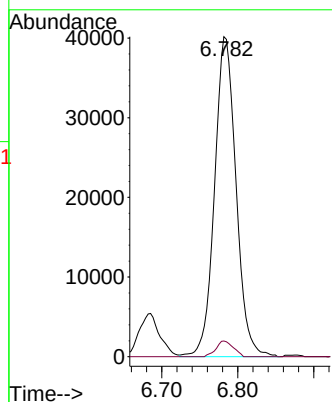
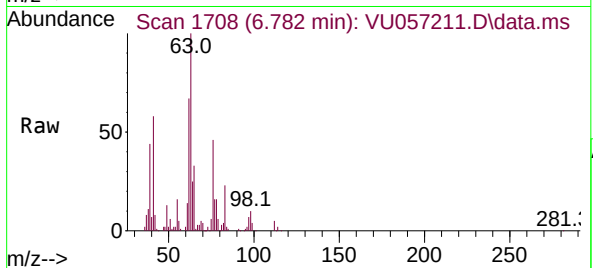




#37
1,2-Dichloropropane
Concen: 5.764 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

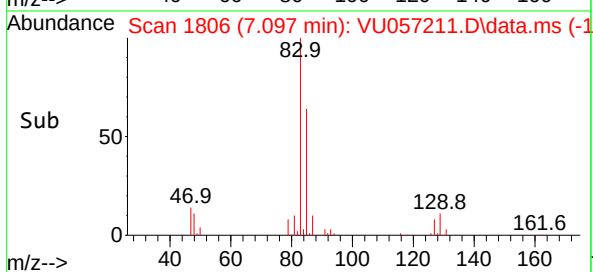
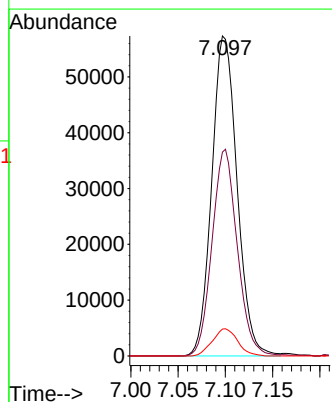
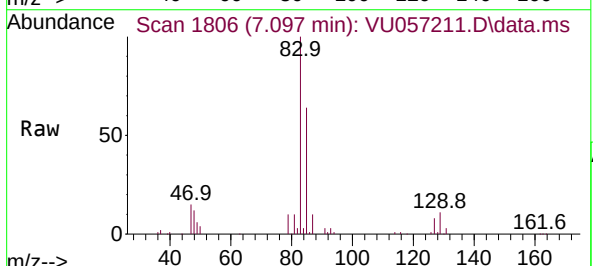
Instrument :
MSVOA_U
ClientSampleId :

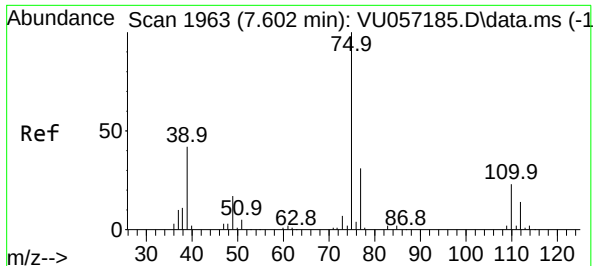
Tgt Ion: 63 Resp: 78866
Ion Ratio Lower Upper
63 100
112 3.9 3.1 4.7



#38
Bromodichloromethane
Concen: 5.406 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Tgt Ion: 83 Resp: 107030
Ion Ratio Lower Upper
83 100
85 63.7 45.8 85.0
127 8.4 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 5.437 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

Instrument :

MSVOA_U

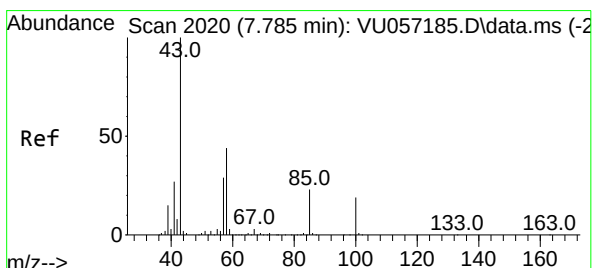
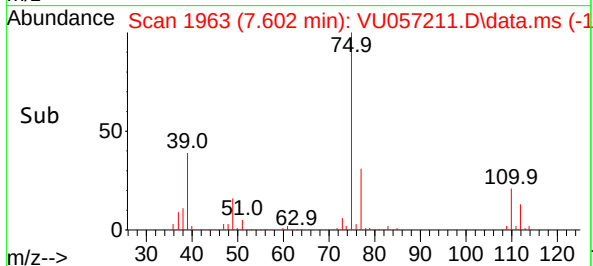
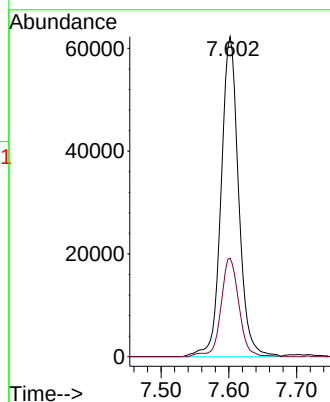
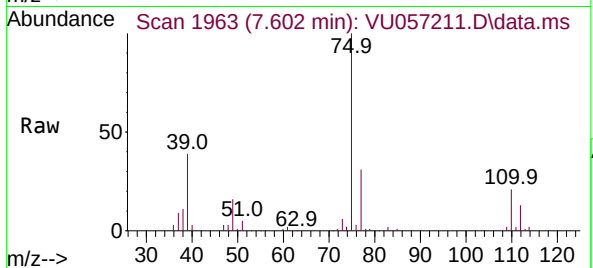
ClientSampleId :

Tgt Ion: 75 Resp: 111918

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 59.536 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

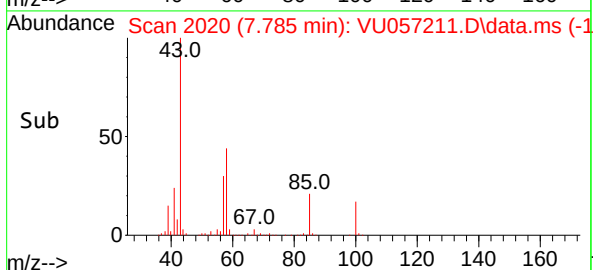
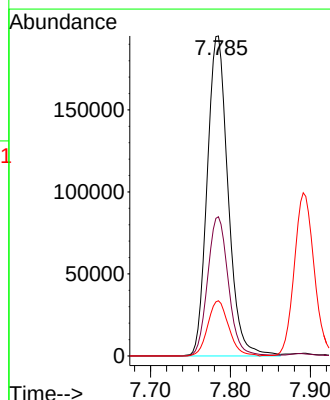
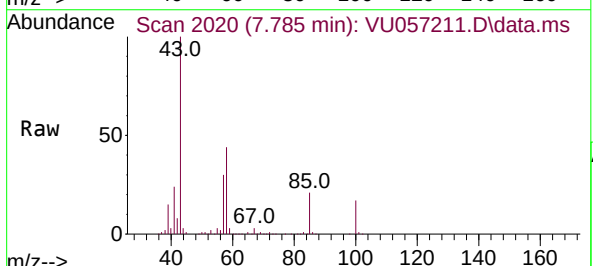
Tgt Ion: 43 Resp: 354141

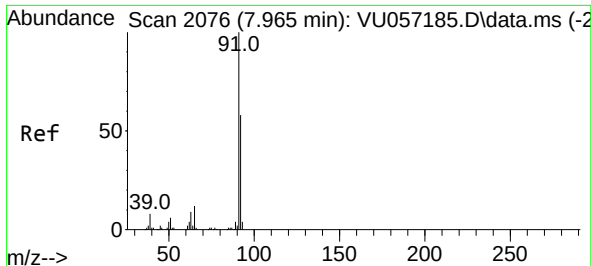
Ion Ratio Lower Upper

43 100

58 43.4 34.8 52.2

100 17.3 14.6 21.8





#42

Toluene

Concen: 5.550 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

Instrument :

MSVOA_U

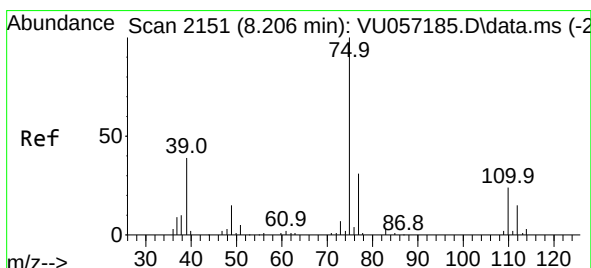
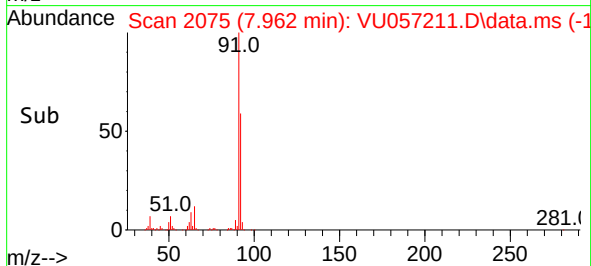
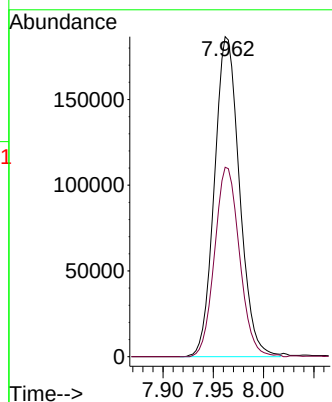
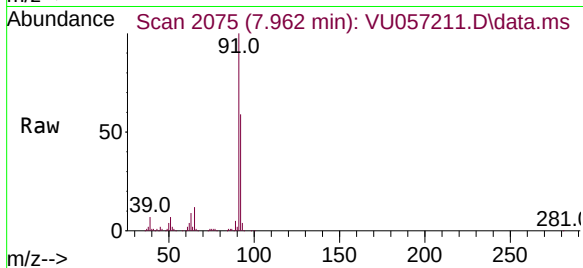
ClientSampleId :

Tgt Ion: 91 Resp: 323537

Ion Ratio Lower Upper

91 100

92 59.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 5.482 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU057211.D

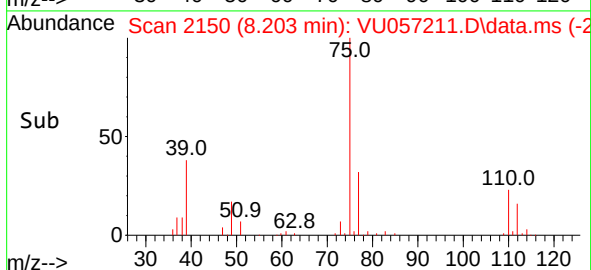
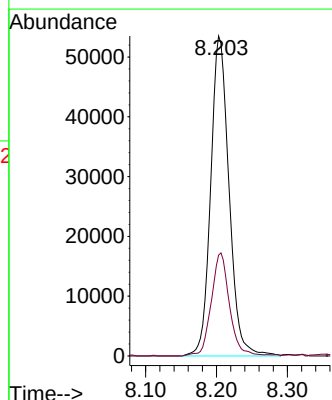
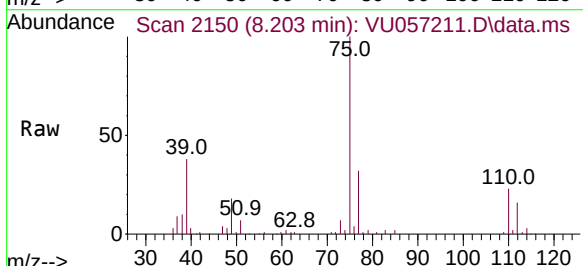
Acq: 22 Dec 2023 23:48

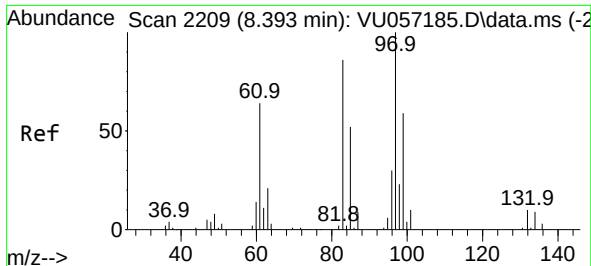
Tgt Ion: 75 Resp: 96290

Ion Ratio Lower Upper

75 100

77 31.5 21.4 39.8



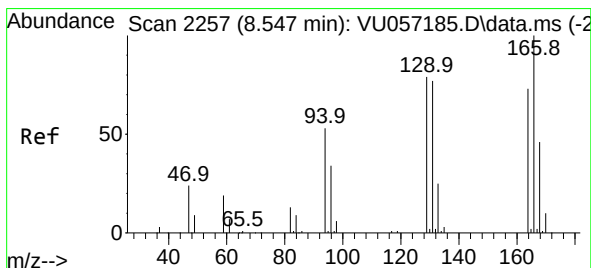
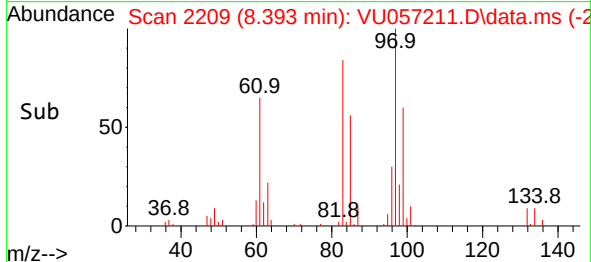
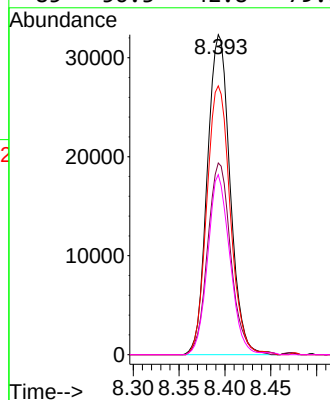
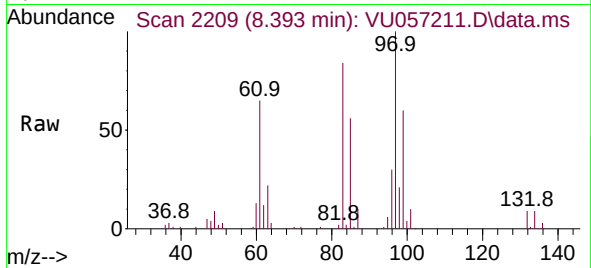


#45
1,1,2-Trichloroethane
Concen: 5.942 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 56098

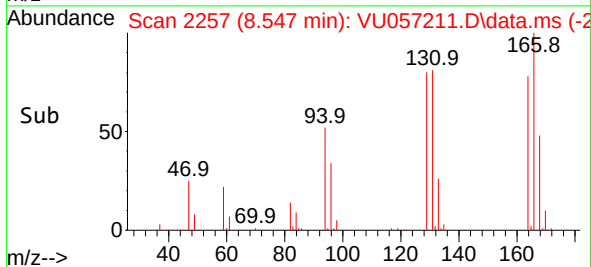
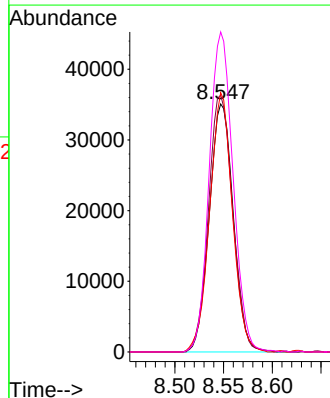
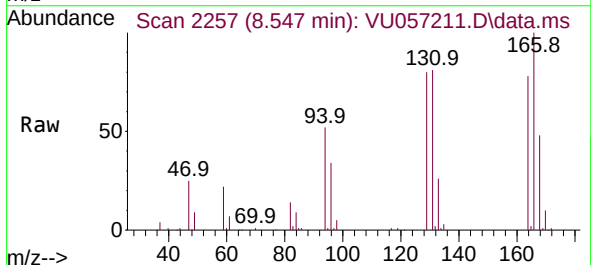
Ion	Ratio	Lower	Upper
97	100		
99	59.9	47.0	87.2
83	84.0	62.1	115.3
85	56.3	42.8	79.6

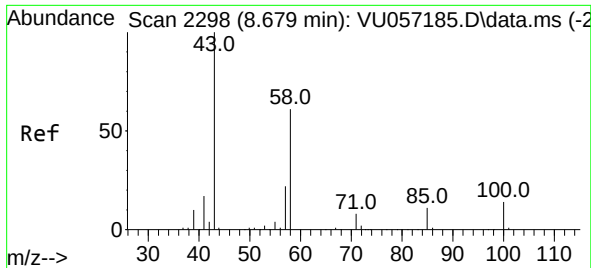


#47
Tetrachloroethene
Concen: 5.214 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Tgt Ion: 164 Resp: 60104

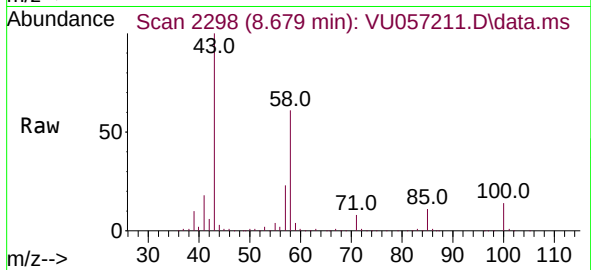
Ion	Ratio	Lower	Upper
164	100		
129	103.5	72.9	135.3
131	104.6	71.7	133.3
166	129.0	87.7	162.9



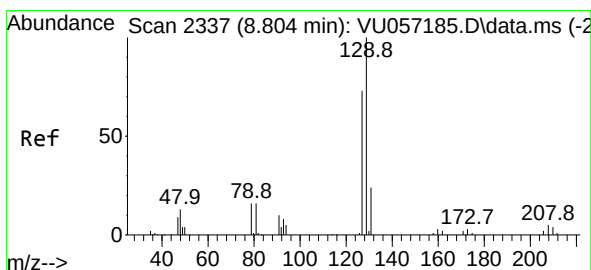
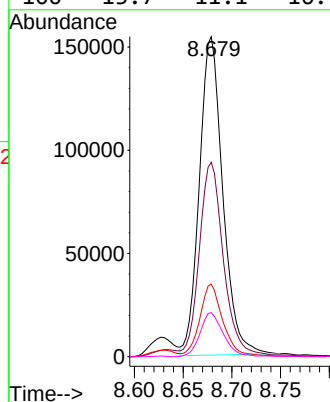
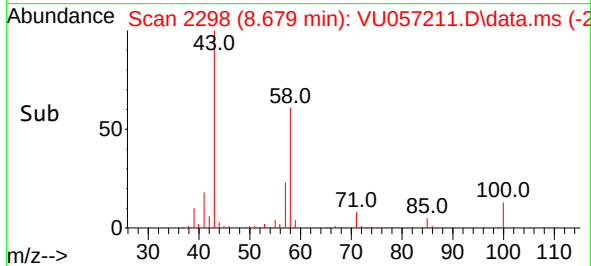


#48
2-Hexanone
Concen: 59.026 ug/L
RT: 8.679 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Instrument :
MSVOA_U
ClientSampleId :

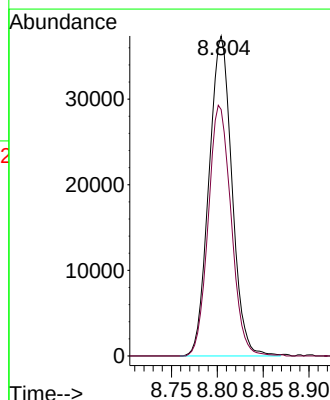
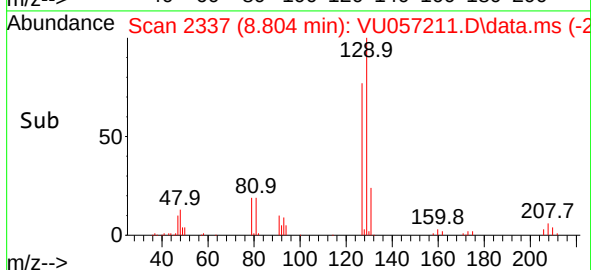
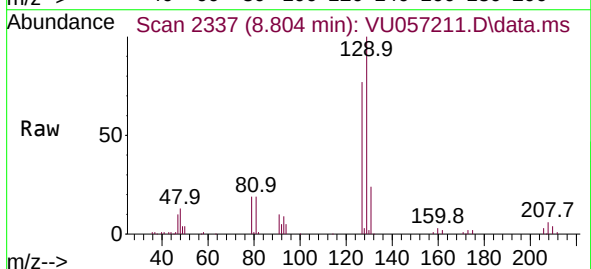


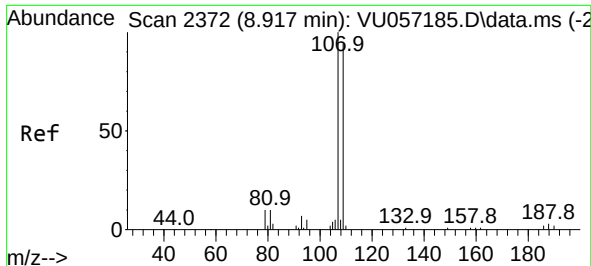
Tgt Ion:	43	Resp:	258323
Ion	Ratio	Lower	Upper
43	100		
58	62.8	49.8	74.8
57	22.5	18.5	27.7
100	13.7	11.1	16.7



#49
Dibromochloromethane
Concen: 5.331 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Tgt Ion:	129	Resp:	65238
Ion	Ratio	Lower	Upper
129	100		
127	77.0	55.2	102.6





#50

1,2-Dibromoethane

Concen: 5.801 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057211.D

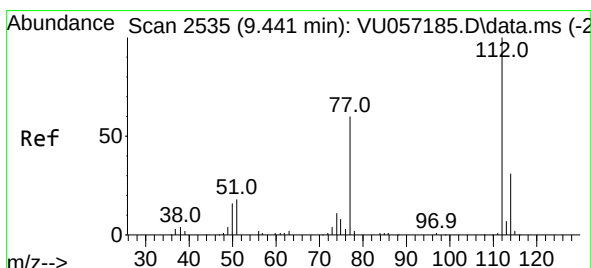
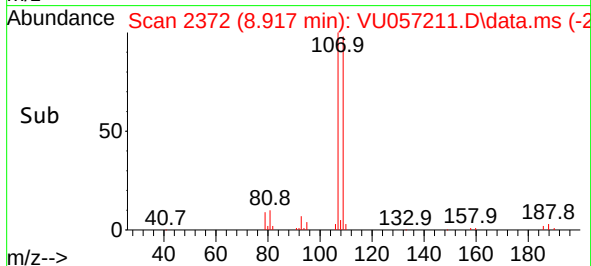
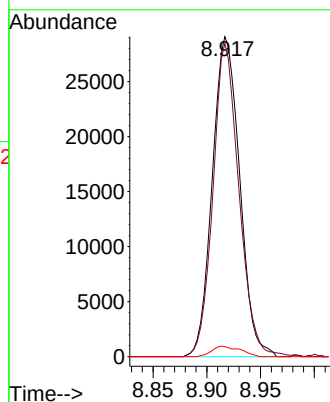
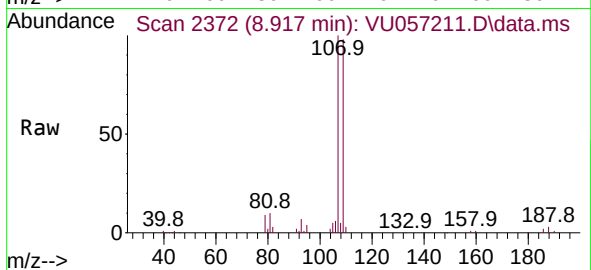
Acq: 22 Dec 2023 23:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	51412
Ion	Ratio	Lower	Upper
107	100		
109	97.9	66.8	124.2
188	3.2	2.6	4.0



#51

Chlorobenzene

Concen: 5.347 ug/L

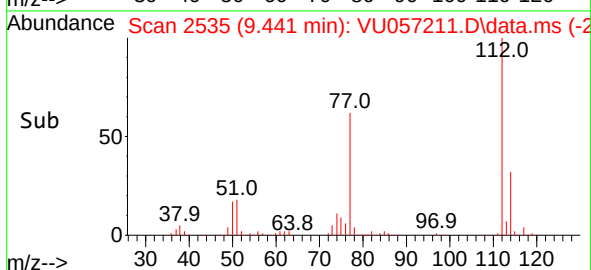
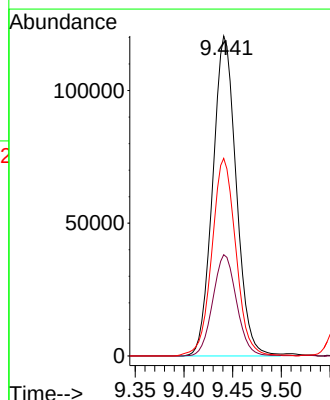
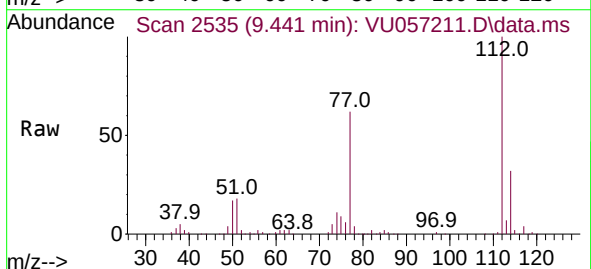
RT: 9.441 min Scan# 2535

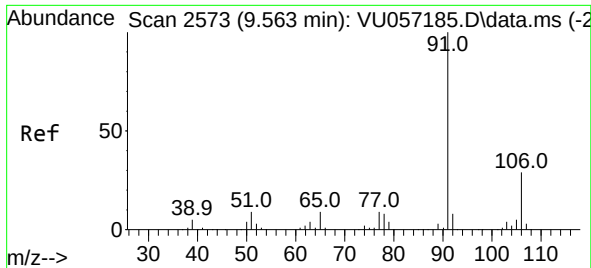
Delta R.T. -0.000 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

Tgt Ion:	112	Resp:	202869
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.7	42.1
77	61.8	52.2	78.2

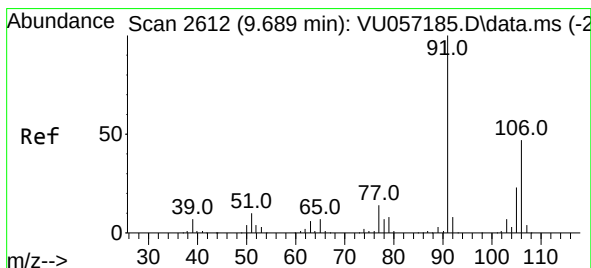
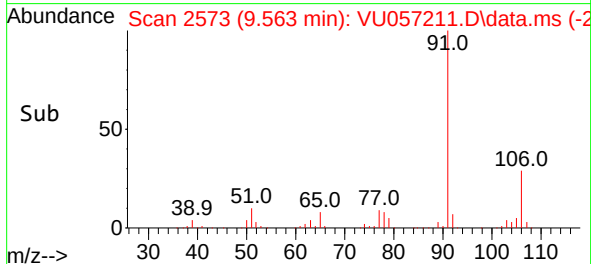
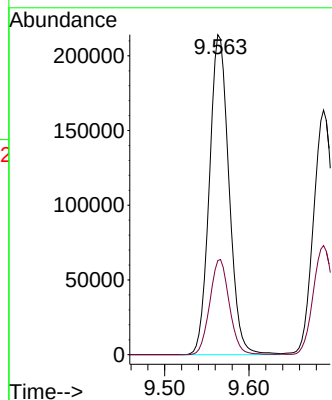
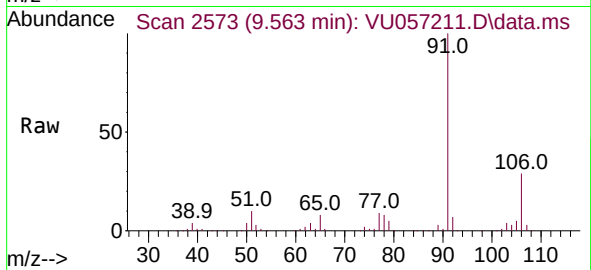




#52
Ethylbenzene
Concen: 5.267 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

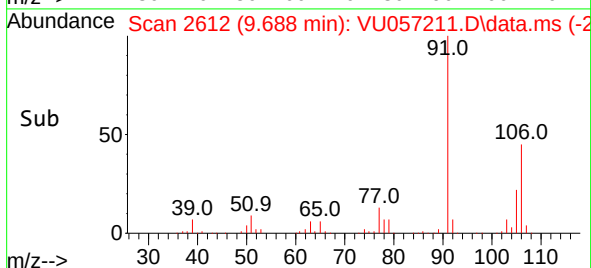
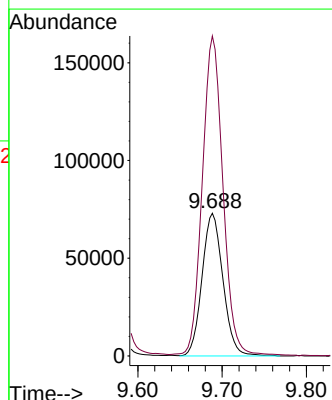
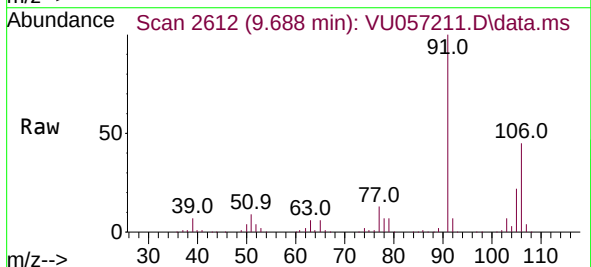
Instrument :
MSVOA_U
ClientSampleId :

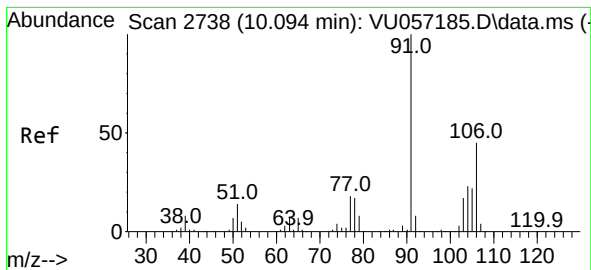
Tgt Ion: 91 Resp: 345997
Ion Ratio Lower Upper
91 100
106 29.4 21.6 40.2



#53
m,p-Xylene
Concen: 5.257 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Tgt Ion: 106 Resp: 126310
Ion Ratio Lower Upper
106 100
91 224.2 154.5 286.9





#54

o-Xylene

Concen: 5.278 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

Instrument :

MSVOA_U

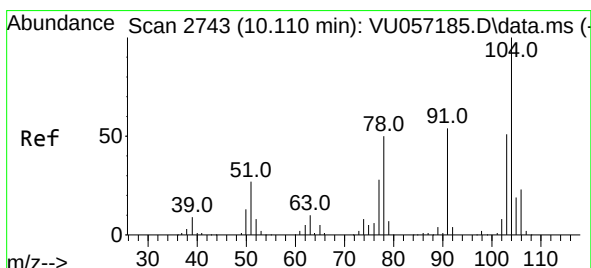
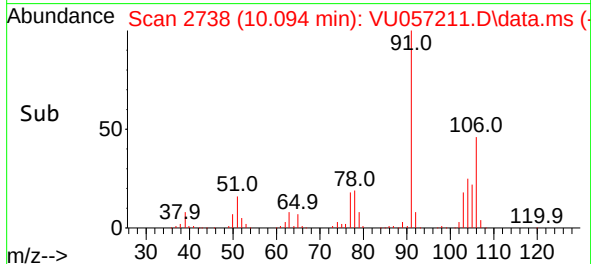
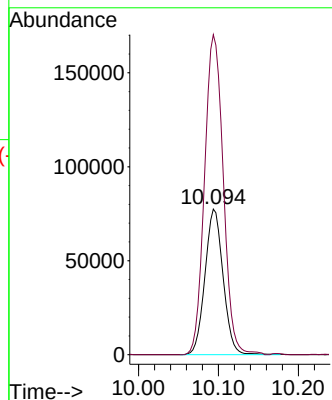
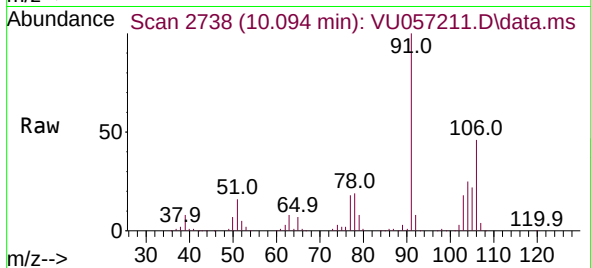
ClientSampleId :

Tgt Ion:106 Resp: 122373

Ion Ratio Lower Upper

106 100

91 219.6 165.4 307.2



#55

Styrene

Concen: 5.486 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU057211.D

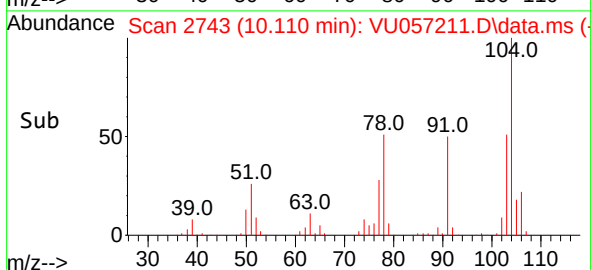
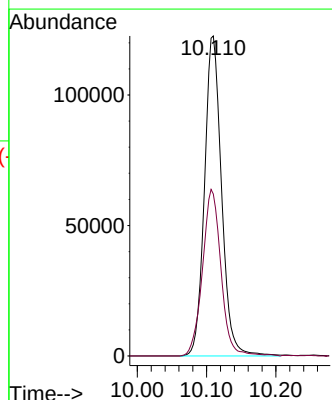
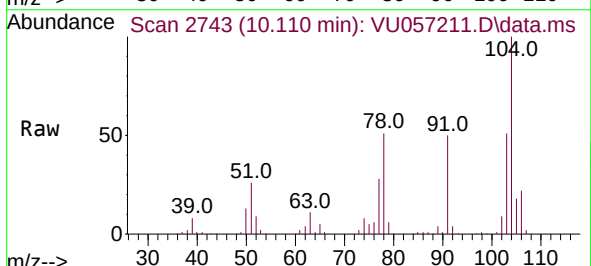
Acq: 22 Dec 2023 23:48

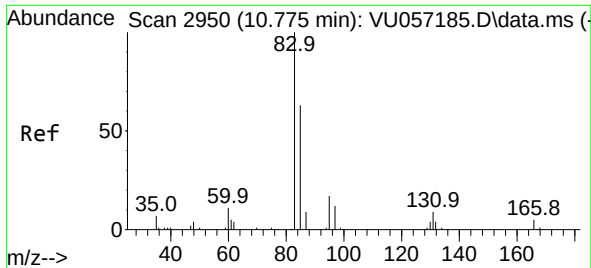
Tgt Ion:104 Resp: 209773

Ion Ratio Lower Upper

104 100

78 50.6 35.8 66.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.799 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

Instrument :

MSVOA_U

ClientSampleId :

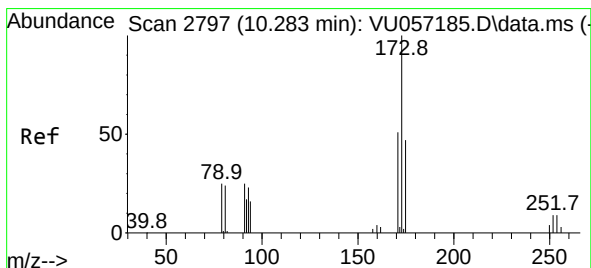
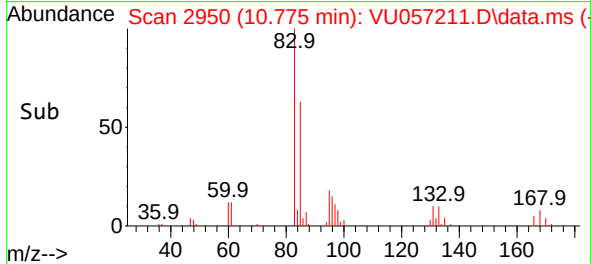
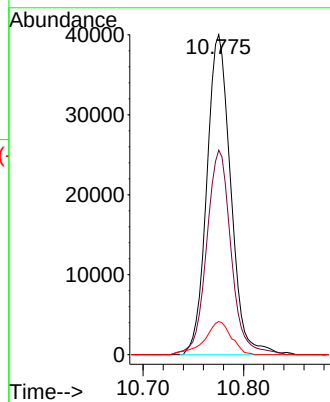
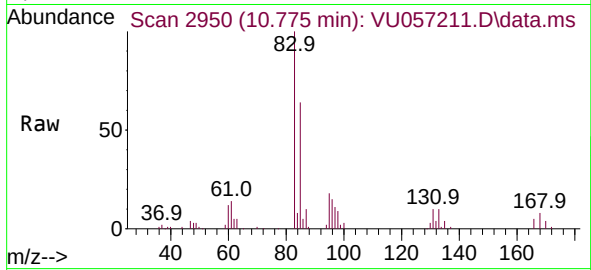
Tgt Ion: 83 Resp: 66010

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.2

131 10.3 7.0 10.6



#59

Bromoform

Concen: 5.845 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

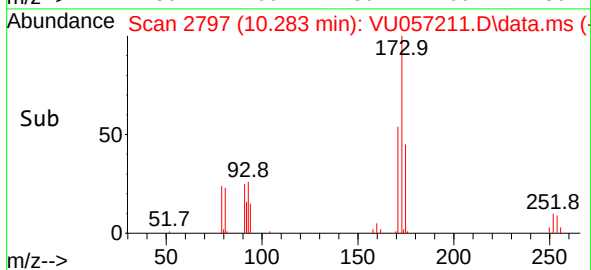
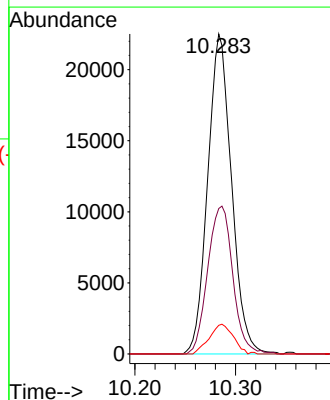
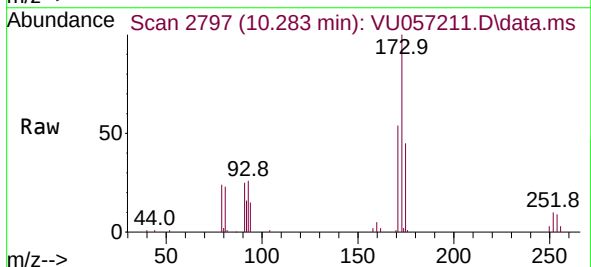
Tgt Ion:173 Resp: 37013

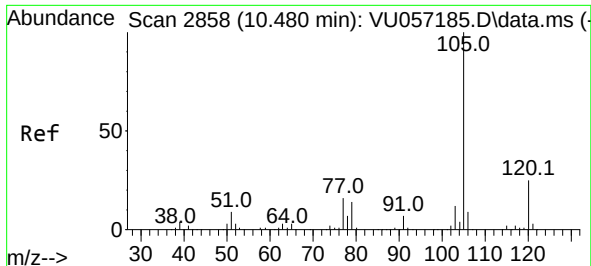
Ion Ratio Lower Upper

173 100

175 48.8 40.5 60.7

254 9.4 8.1 12.1

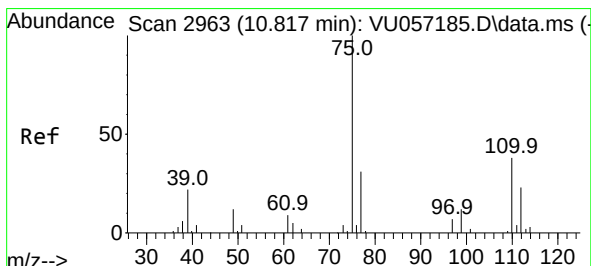
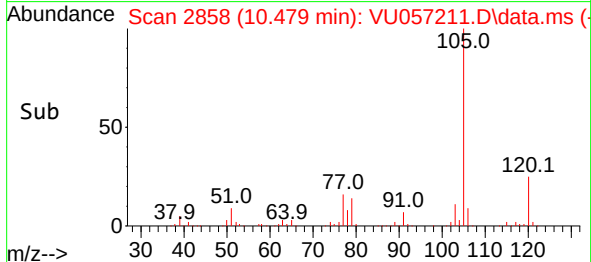
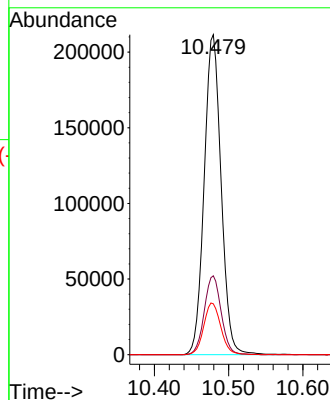
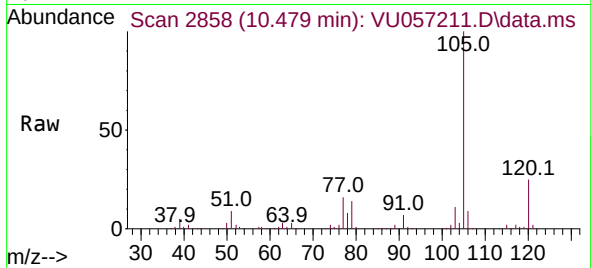




#60
Isopropylbenzene
Concen: 5.501 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

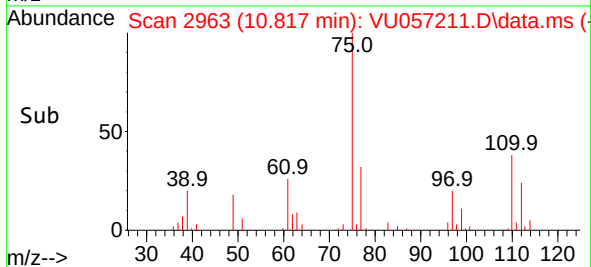
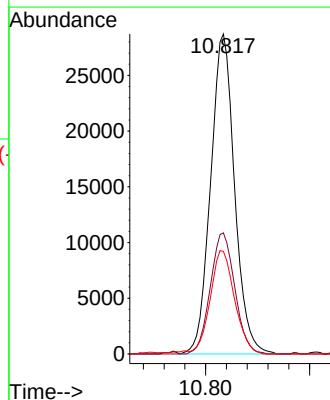
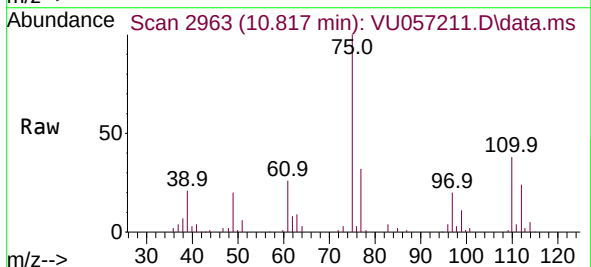
Instrument :
MSVOA_U
ClientSampleId :

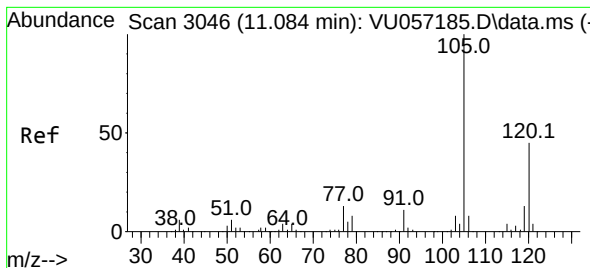
Tgt Ion:105 Resp: 334673
Ion Ratio Lower Upper
105 100
120 24.7 19.8 29.8
77 16.3 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 5.973 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Tgt Ion: 75 Resp: 45925
Ion Ratio Lower Upper
75 100
110 38.6 31.2 46.8
77 33.6 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 4.804 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

Instrument :

MSVOA_U

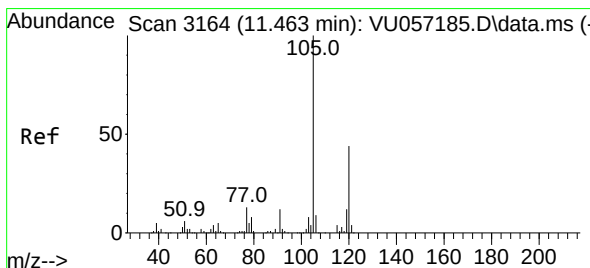
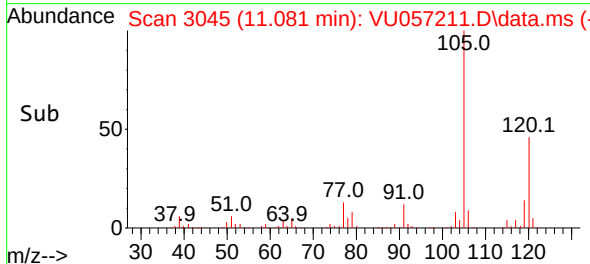
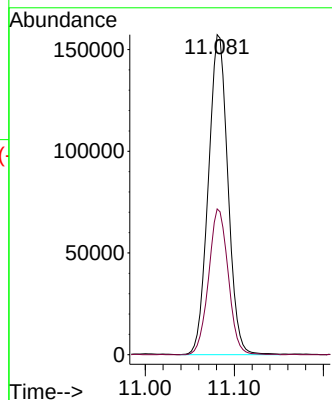
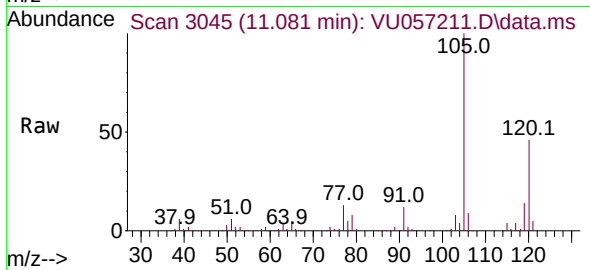
ClientSampleId :

Tgt Ion:105 Resp: 239510

Ion Ratio Lower Upper

105 100

120 45.6 35.8 53.8



#63

1,2,4-Trimethylbenzene

Concen: 4.766 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU057211.D

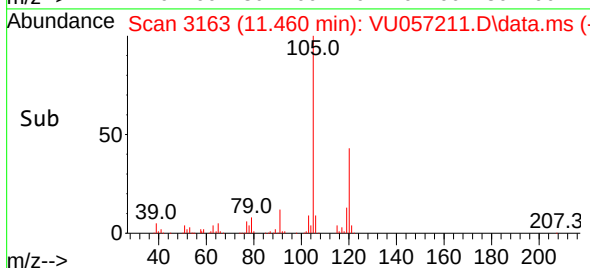
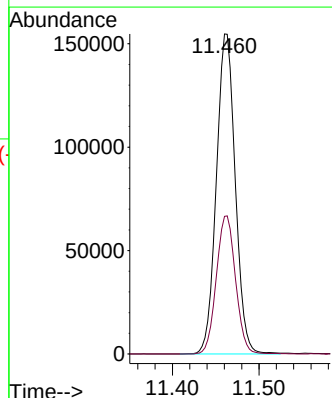
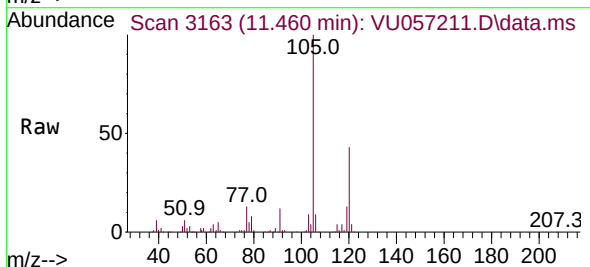
Acq: 22 Dec 2023 23:48

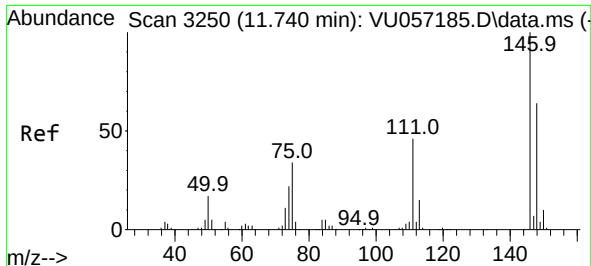
Tgt Ion:105 Resp: 234487

Ion Ratio Lower Upper

105 100

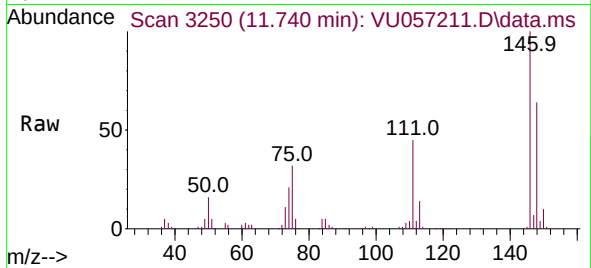
120 43.8 33.9 50.9



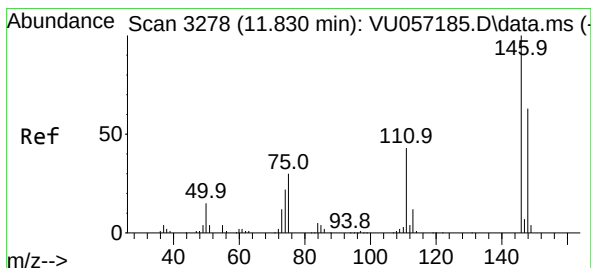
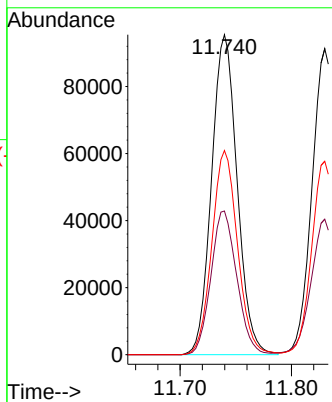
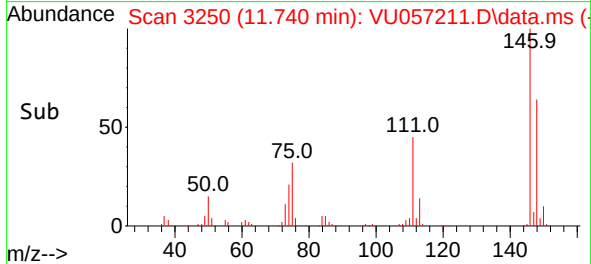


#64
1,3-Dichlorobenzene
Concen: 5.298 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

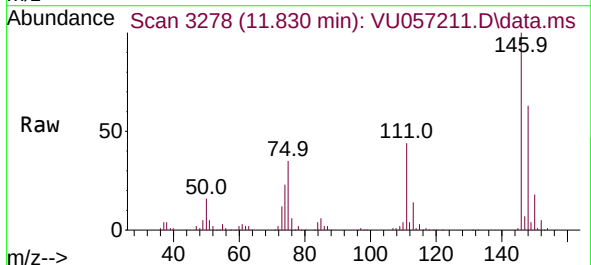
Instrument :
MSVOA_U
ClientSampleId :



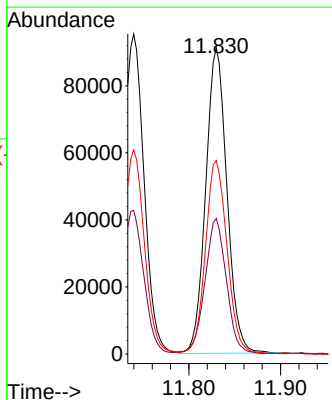
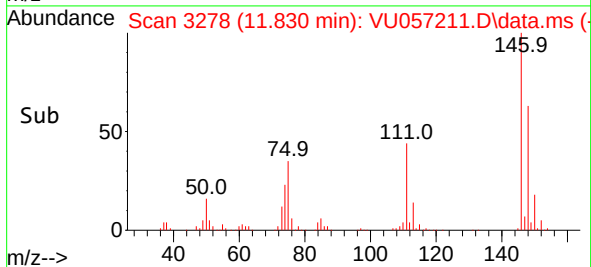
Tgt Ion:146 Resp: 152338
Ion Ratio Lower Upper
146 100
111 44.9 30.4 56.4
148 63.8 43.4 80.6

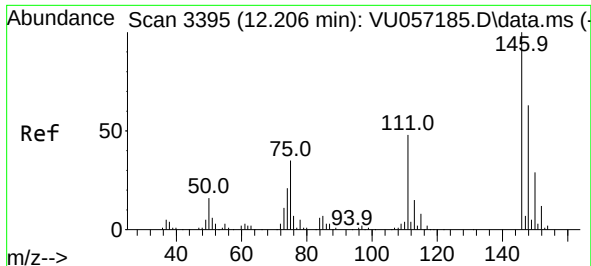


#65
1,4-Dichlorobenzene
Concen: 5.059 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48



Tgt Ion:146 Resp: 146438
Ion Ratio Lower Upper
146 100
111 44.3 28.1 52.3
148 63.2 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 5.381 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

Instrument :

MSVOA_U

ClientSampleId :

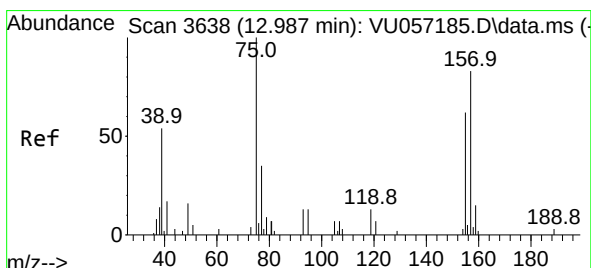
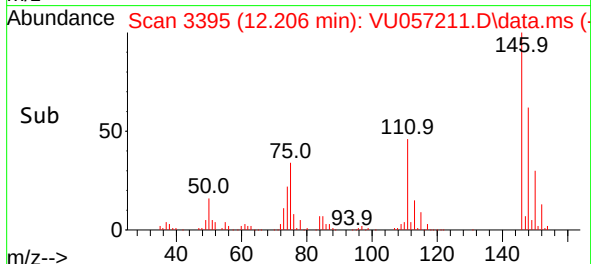
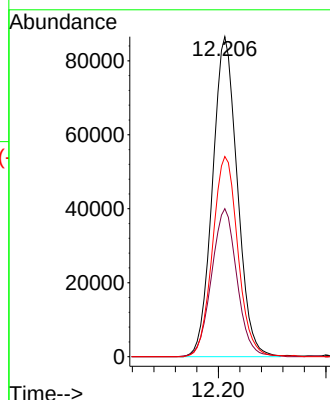
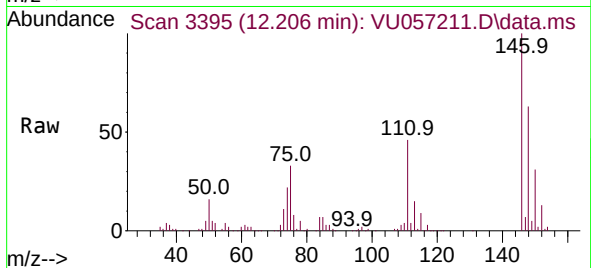
Tgt Ion:146 Resp: 138395

Ion Ratio Lower Upper

146 100

111 46.2 37.9 56.9

148 62.5 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 5.357 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU057211.D

Acq: 22 Dec 2023 23:48

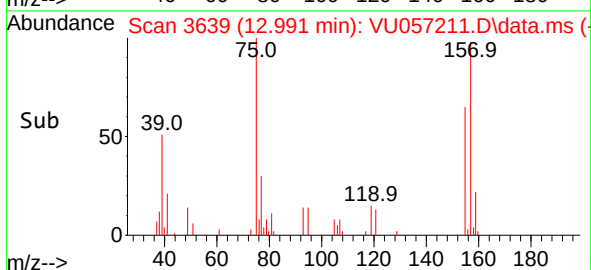
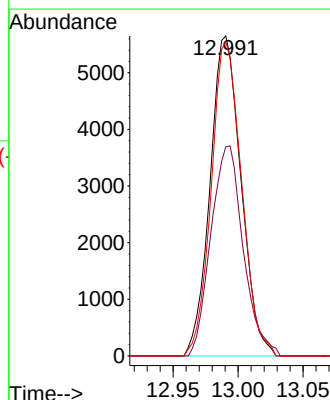
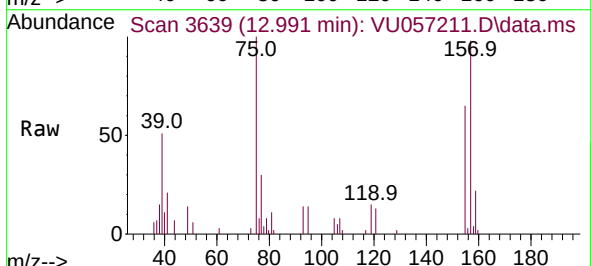
Tgt Ion: 75 Resp: 9342

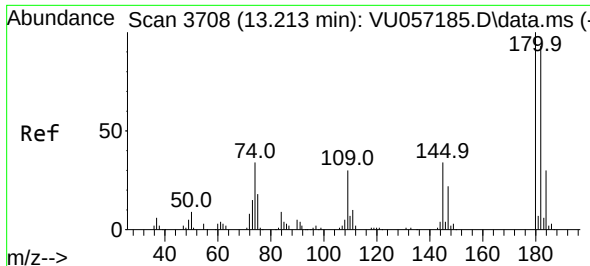
Ion Ratio Lower Upper

75 100

155 65.4 61.4 92.0

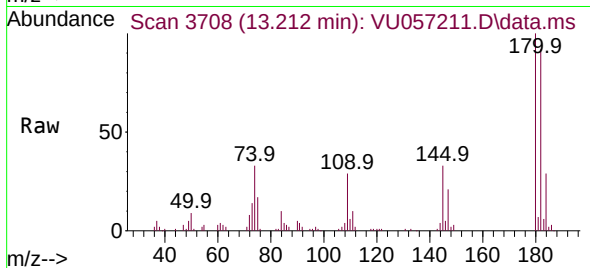
157 98.2 80.2 120.2



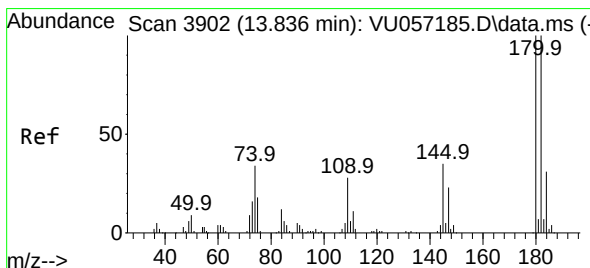
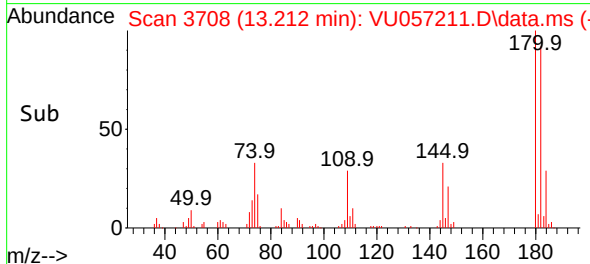
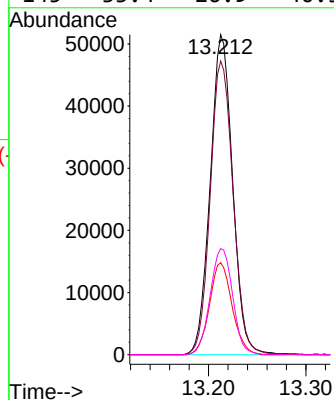


#69
 1,3,5-Trichlorobenzene
 Concen: 3.834 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU057211.D
 Acq: 22 Dec 2023 23:48

Instrument :
 MSVOA_U
 ClientSampleId :

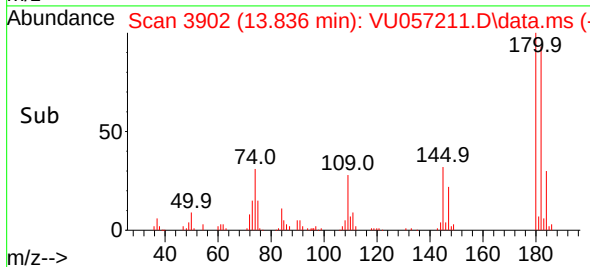
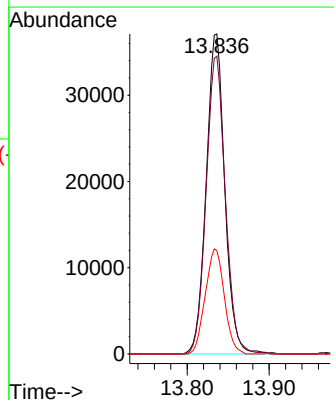
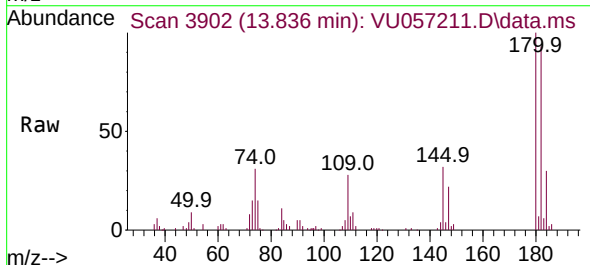


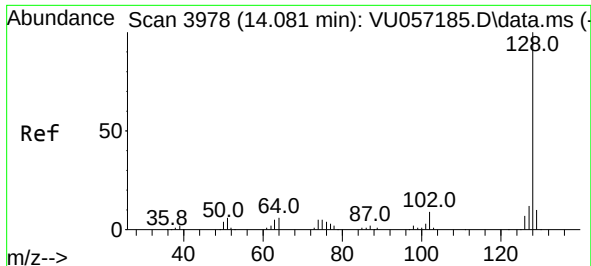
Tgt Ion:180 Resp: 82025
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.6 113.4
 184 29.1 24.2 36.2
 145 33.4 26.9 40.3



#70
 1,2,4-trichlorobenzene
 Concen: 3.489 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU057211.D
 Acq: 22 Dec 2023 23:48

Tgt Ion:180 Resp: 58443
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.4 113.0
 145 33.6 27.7 41.5

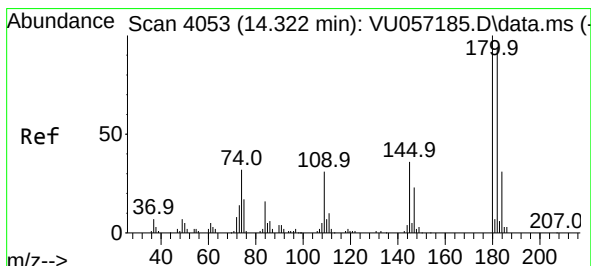
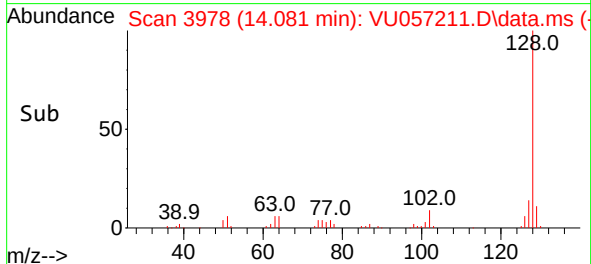
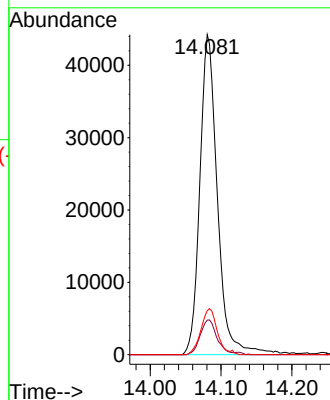
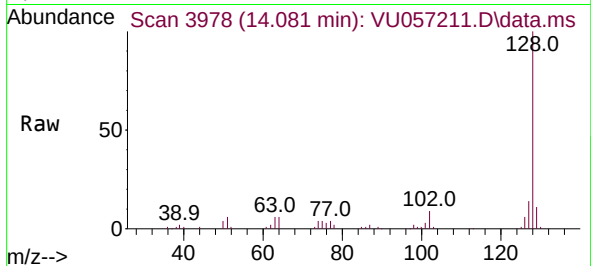




#71
Naphthalene
Concen: 3.588 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 76032
Ion Ratio Lower Upper
128 100
129 10.3 8.2 12.4
127 13.4 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 3.546 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU057211.D
Acq: 22 Dec 2023 23:48

Tgt Ion:180 Resp: 46336
Ion Ratio Lower Upper
180 100
182 91.5 76.2 114.4
145 35.5 28.9 43.3

