

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057185.D
 Acq On : 22 Dec 2023 12:52
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 22:42:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 22 01:33:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	166473	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	167483	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	86068	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	72243	4.540	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.800%
7) Chloroethane-d5	1.914	69	59006	4.505	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.563	65	30236	4.386	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.800%
20) 2-Butanone-d5	4.621	46	136158	54.502	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.000%
24) Chloroform-d	5.055	84	155417	5.058	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.695	65	75200	5.135	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	5.721	84	276130	4.807	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.682	67	80898	4.949	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.891	98	254141	4.846	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
43) trans-1,3-Dichloroprop...	8.174	79	32661	4.800	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.000%
46) 2-Hexanone-d5	8.627	63	124826	53.877	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.760%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	63905	5.494	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	87317	4.715	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	82460	5.297	ug/L	99
3) Chloromethane	1.518	50	76095	5.578	ug/L	100
5) Vinyl chloride	1.602	62	81061	5.570	ug/L	100
6) Bromomethane	1.856	94	41971	6.595	ug/L	98
8) Chloroethane	1.933	64	47557	5.147	ug/L	96
9) Trichlorofluoromethane	2.136	101	135183	5.056	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	71989	5.200	ug/L	98
12) 1,1-Dichloroethene	2.576	96	61651	4.953	ug/L	97
13) Acetone	2.637	43	80420	53.540	ug/L	97
14) Carbon disulfide	2.792	76	179701	4.589	ug/L	100
15) Methyl Acetate	2.949	43	19764	5.580	ug/L	99
16) Methylene chloride	3.039	84	70860	4.898	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	143775	5.440	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	63210	5.209	ug/L	95
19) 1,1-Dichloroethane	3.862	63	125965	5.230	ug/L	99
21) 2-Butanone	4.702	43	121780	53.199	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	72588	5.431	ug/L	98
23) Bromochloromethane	4.968	128	30914	5.338	ug/L	92
25) Chloroform	5.081	83	142794	5.256	ug/L	96

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 22:42:39 2023
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 Response via : Initial Calibration

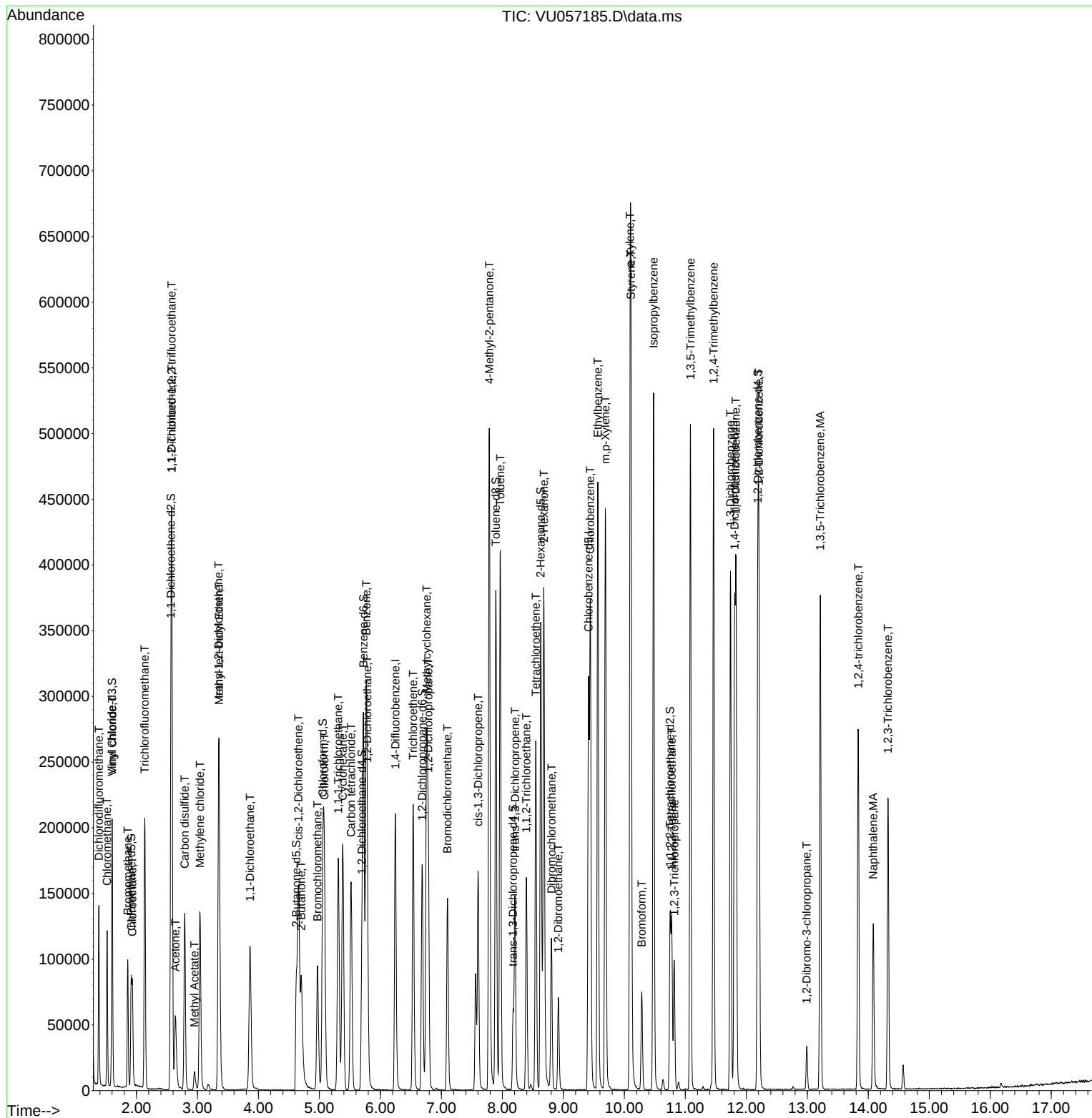
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	84004	5.241	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	131377	4.936	ug/L	99
30) Cyclohexane	5.383	56	89678	4.983	ug/L	98
31) Carbon tetrachloride	5.518	117	113944	4.867	ug/L	97
33) Benzene	5.769	78	277489	5.227	ug/L	100
34) Trichloroethene	6.538	95	77700	5.004	ug/L	99
35) Methylcyclohexane	6.756	83	104238	5.100	ug/L	99
37) 1,2-Dichloropropane	6.785	63	69382	5.253	ug/L	99
38) Bromodichloromethane	7.100	83	98478	5.154	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	103063	5.188	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	302093	52.617	ug/L	100
42) Toluene	7.965	91	300293	5.337	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	88639	5.228	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	48966	5.374	ug/L	92
47) Tetrachloroethene	8.547	164	55818	5.017	ug/L	95
48) 2-Hexanone	8.679	43	223393	52.884	ug/L	99
49) Dibromochloromethane	8.804	129	61010	5.165	ug/L	94
50) 1,2-Dibromoethane	8.917	107	46603	5.448	ug/L	98
51) Chlorobenzene	9.441	112	194698	5.316	ug/L	96
52) Ethylbenzene	9.563	91	333055	5.253	ug/L	96
53) m,p-Xylene	9.689	106	125203	5.398	ug/L	94
54) o-Xylene	10.094	106	120510	5.385	ug/L	92
55) Styrene	10.110	104	205592	5.570	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	59862	5.448	ug/L	99
59) Bromoform	10.283	173	34881	5.281	ug/L	96
60) Isopropylbenzene	10.480	105	337357	5.316	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	42492	5.299	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	271927	5.229	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	272615	5.313	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	156721	5.225	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	149232	4.943	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	139646	5.206	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	9476	5.210	ug/L	83
69) 1,3,5-Trichlorobenzene	13.213	180	114240	5.120	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	82453	4.719	ug/L	98
71) Naphthalene	14.081	128	106679	4.827	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	66665	4.892	ug/L	98

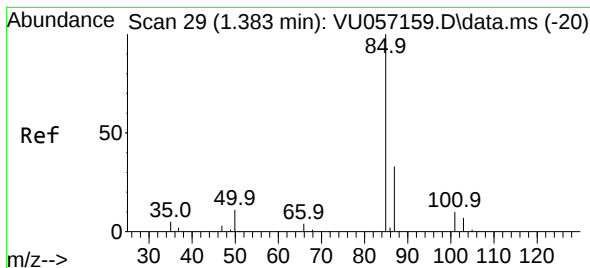
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ALS Vial : 2 Sample Multiplier: 1

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ClientSampleId :

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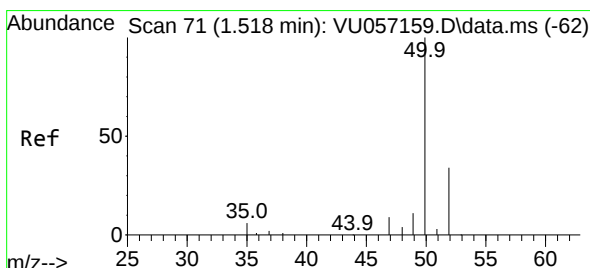
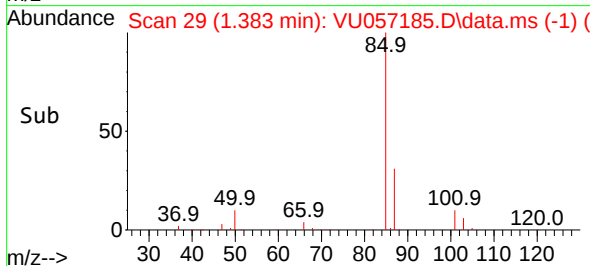
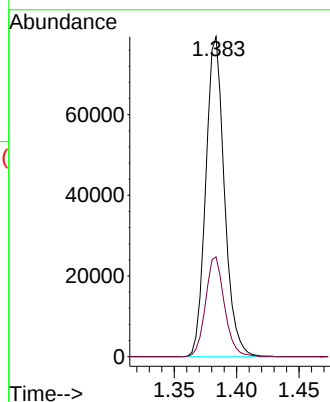
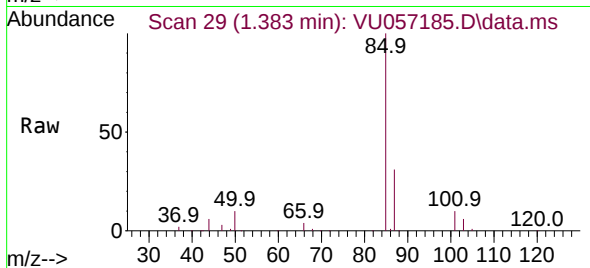




#2
 Dichlorodifluoromethane
 Concen: 5.297 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057185.D
 Acq: 22 Dec 2023 12:52

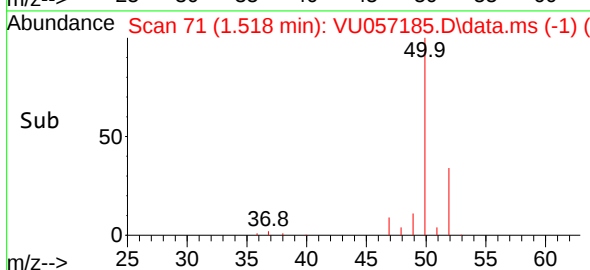
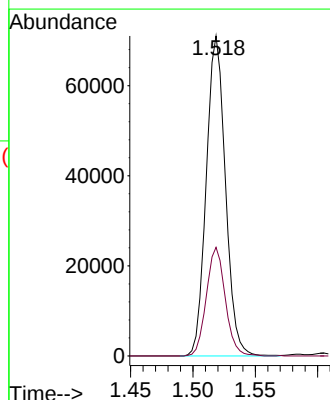
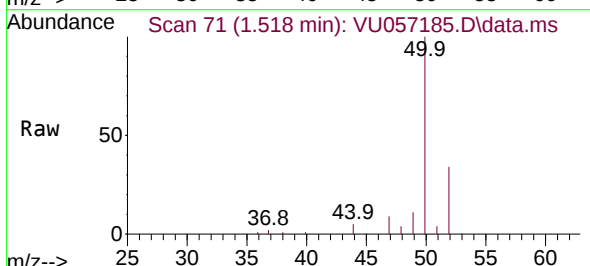
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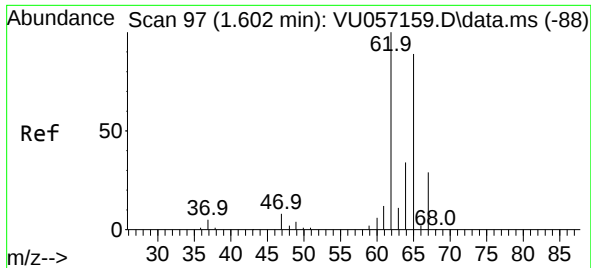
Tgt Ion: 85 Resp: 82460
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.9 38.9



#3
 Chloromethane
 Concen: 5.578 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057185.D
 Acq: 22 Dec 2023 12:52

Tgt Ion: 50 Resp: 76095
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.7 44.1

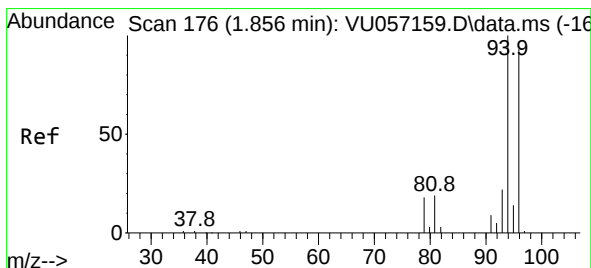
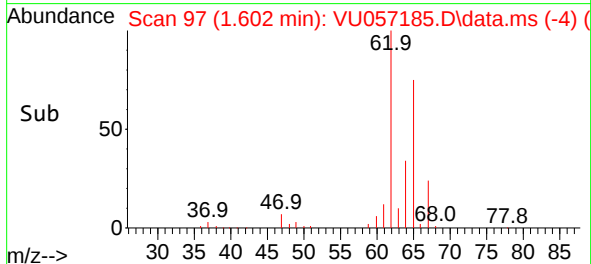
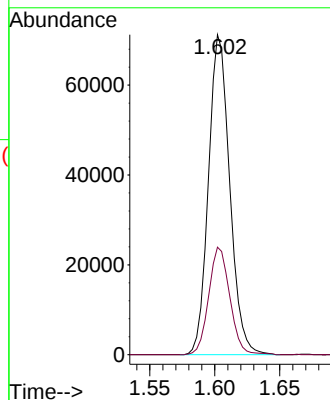
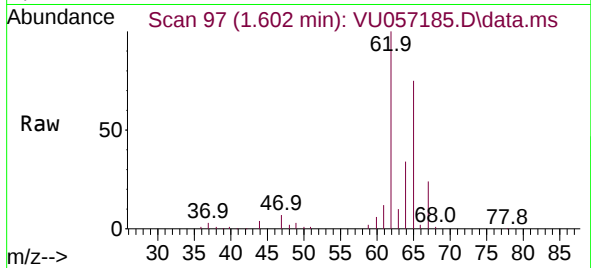




#5
 Vinyl chloride
 Concen: 5.570 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057185.D
 Acq: 22 Dec 2023 12:52

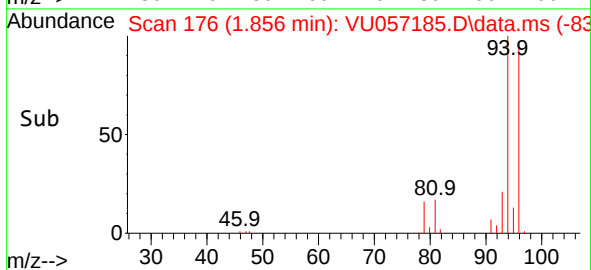
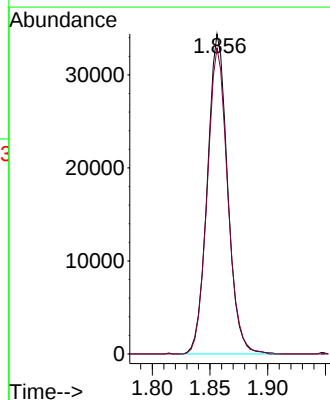
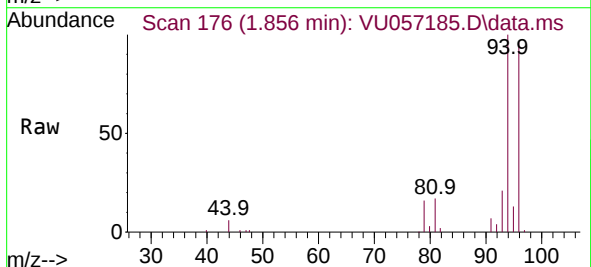
Instrument :
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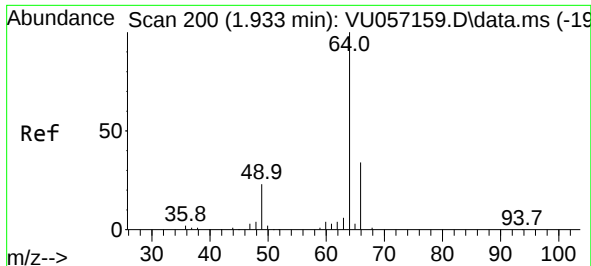
Tgt Ion: 62 Resp: 81061
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.3 43.3



#6
 Bromomethane
 Concen: 6.595 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU057185.D
 Acq: 22 Dec 2023 12:52

Tgt Ion: 94 Resp: 41971
 Ion Ratio Lower Upper
 94 100
 96 95.6 68.2 126.6

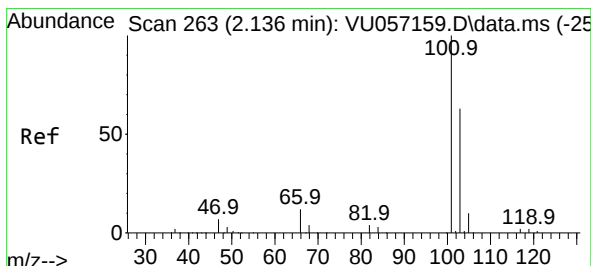
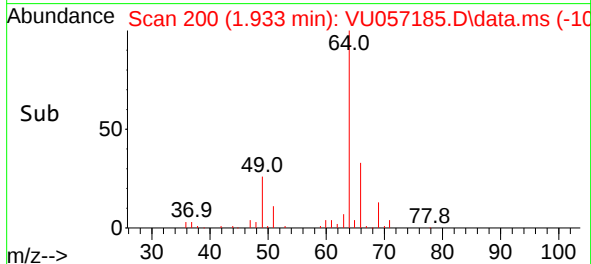
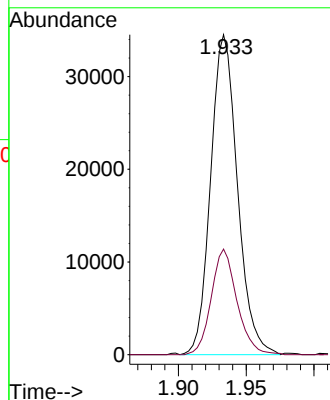
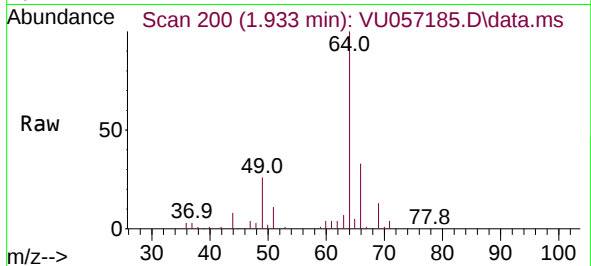




#8
Chloroethane
Concen: 5.147 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

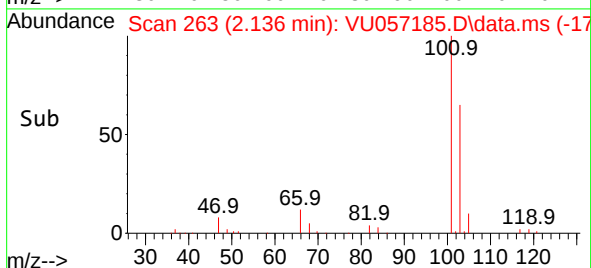
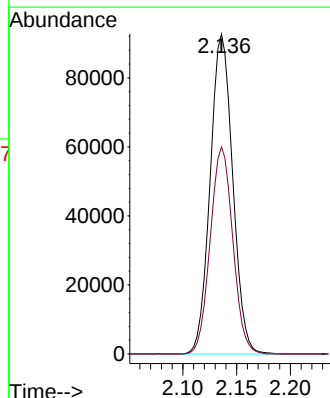
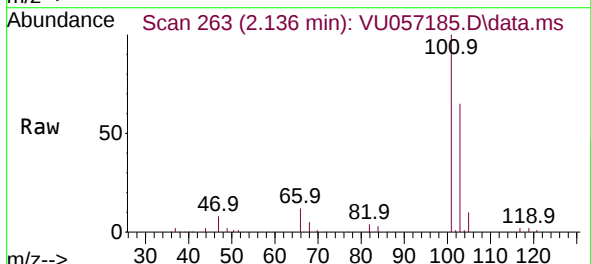
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ClientSampleId :

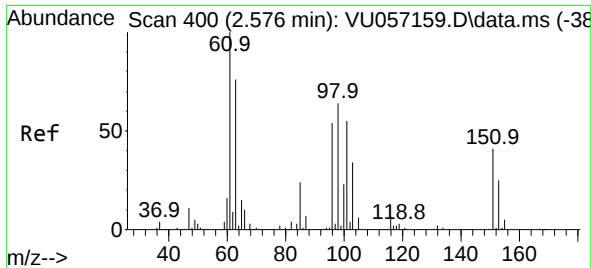
Tgt Ion: 64 Resp: 47557
Ion Ratio Lower Upper
64 100
66 33.0 21.6 40.2



#9
Trichlorofluoromethane
Concen: 5.056 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion:101 Resp: 135183
Ion Ratio Lower Upper
101 100
103 64.7 52.1 78.1

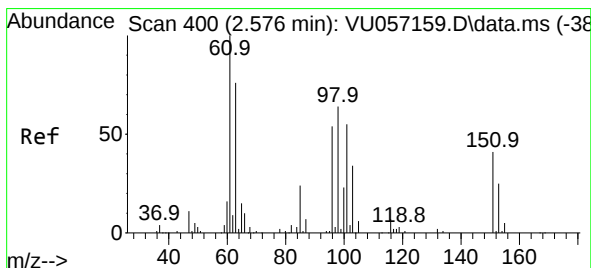
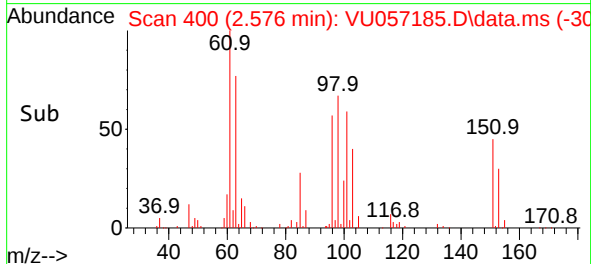
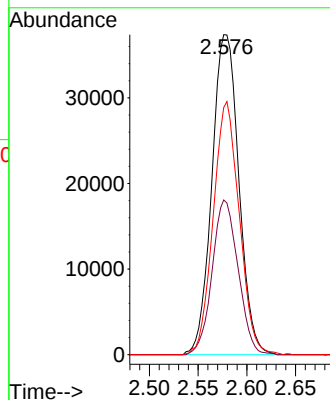
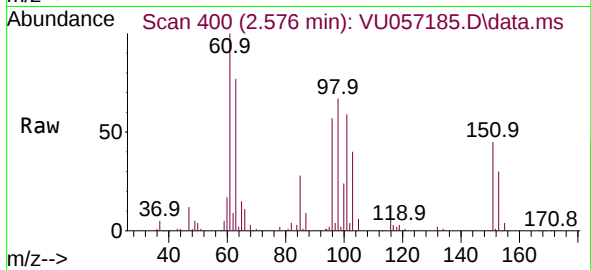




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.200 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057185.D
 Acq: 22 Dec 2023 12:52

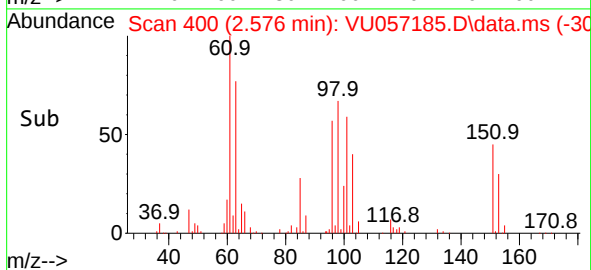
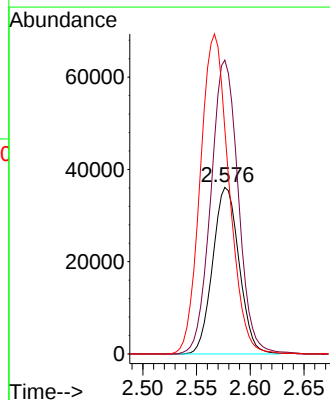
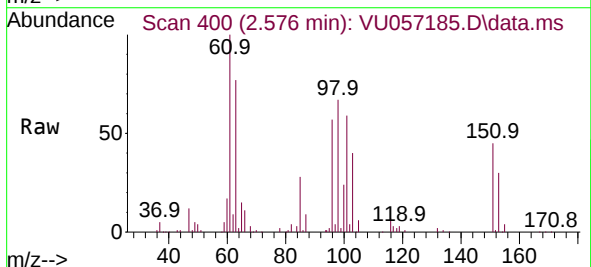
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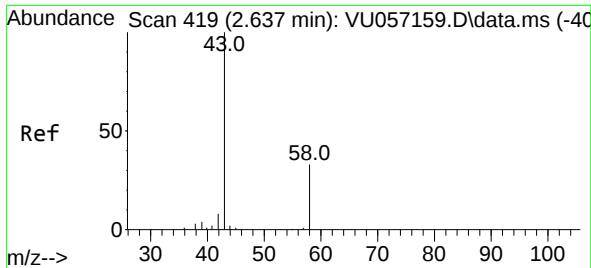
Tgt Ion:101 Resp: 71989
 Ion Ratio Lower Upper
 101 100
 85 46.4 35.6 53.4
 151 76.4 59.9 89.9



#12
 1,1-Dichloroethene
 Concen: 4.953 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057185.D
 Acq: 22 Dec 2023 12:52

Tgt Ion: 96 Resp: 61651
 Ion Ratio Lower Upper
 96 100
 61 176.4 119.6 222.0
 63 135.0 96.2 178.8





#13

Acetone

Concen: 53.540 ug/L

RT: 2.637 min Scan# 419

Delta R.T. 0.000 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

Instrument :

MSVOA_U

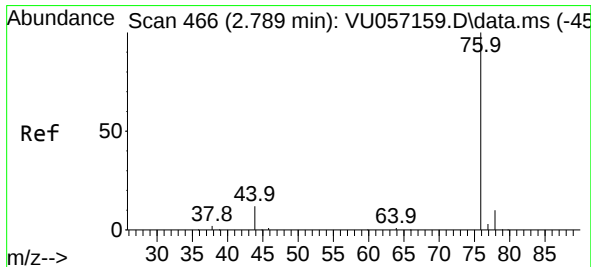
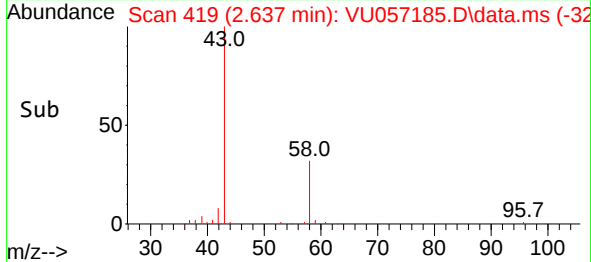
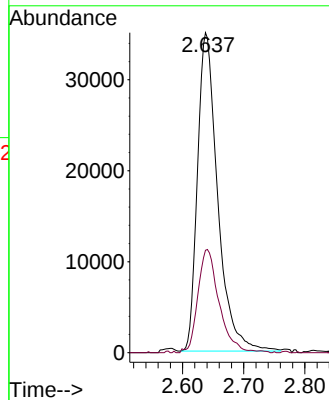
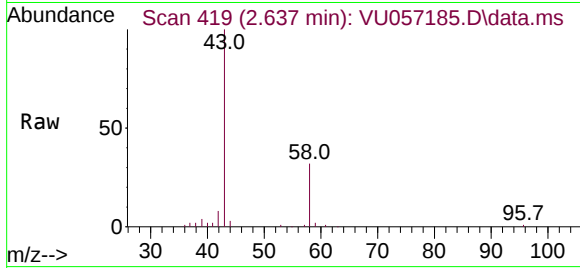
ClientSampleId :

Tgt Ion: 43 Resp: 80420

Ion Ratio Lower Upper

43 100

58 33.9 0.0 70.8



#14

Carbon disulfide

Concen: 4.589 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU057185.D

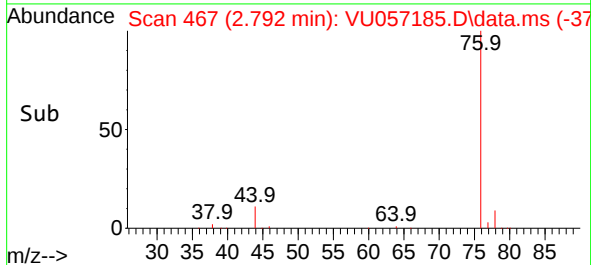
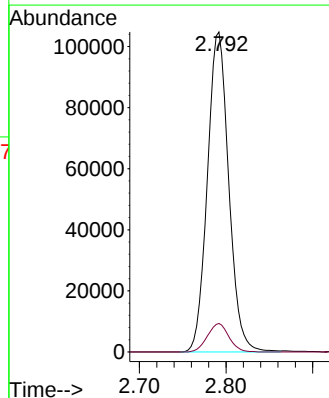
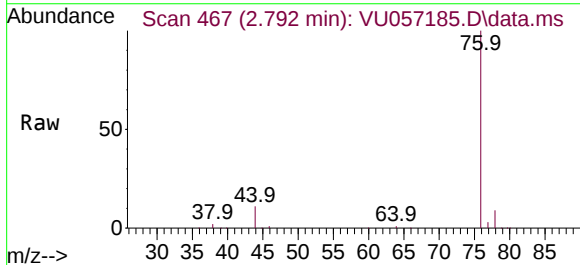
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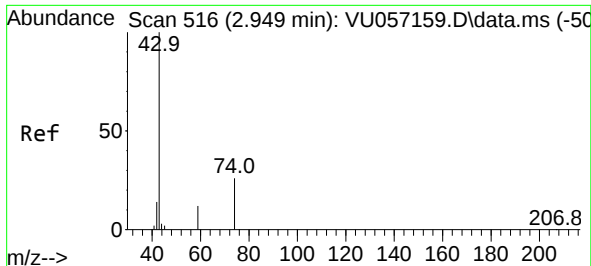
Tgt Ion: 76 Resp: 179701

Ion Ratio Lower Upper

76 100

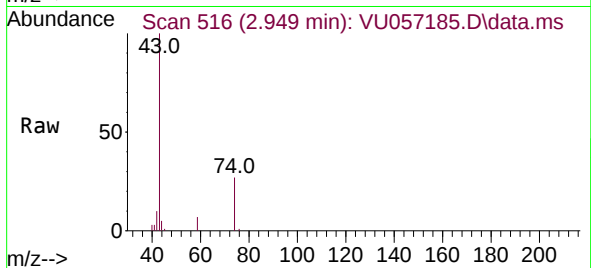
78 8.9 7.1 10.7



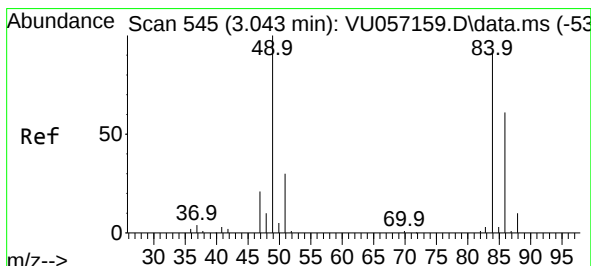
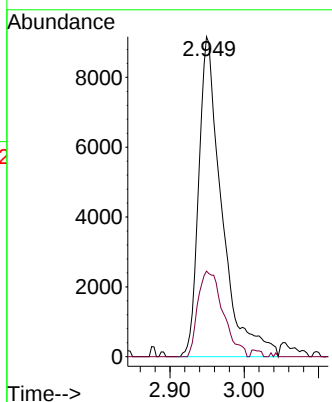
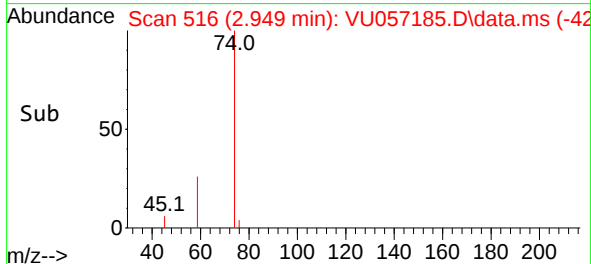


#15
Methyl Acetate
Concen: 5.580 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Instrument :
MSVOA_U
ClientSampleId :

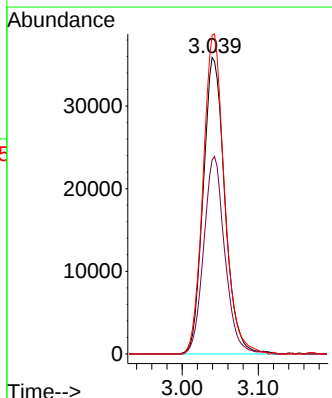
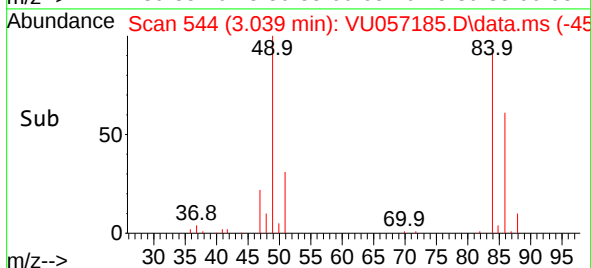
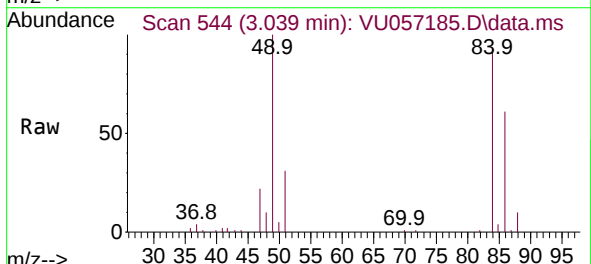


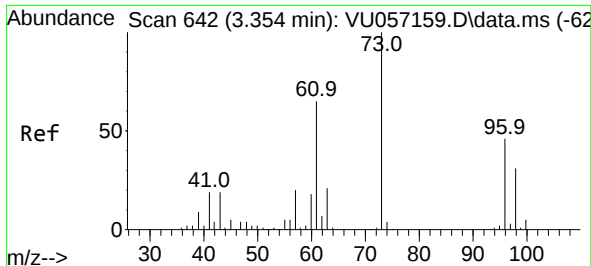
Tgt Ion: 43 Resp: 19764
Ion Ratio Lower Upper
43 100
74 29.1 22.8 34.2



#16
Methylene chloride
Concen: 4.898 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion: 84 Resp: 70860
Ion Ratio Lower Upper
84 100
86 65.4 44.7 82.9
49 107.6 76.0 141.2

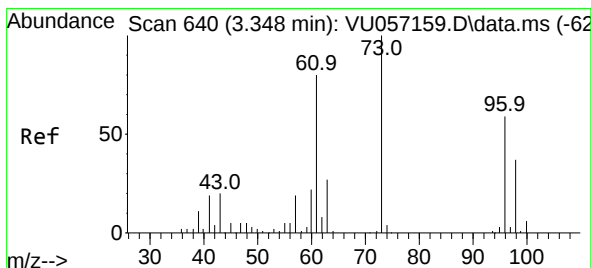
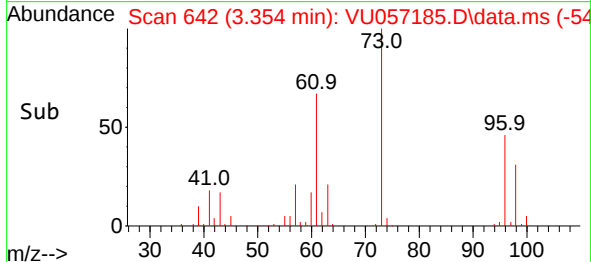
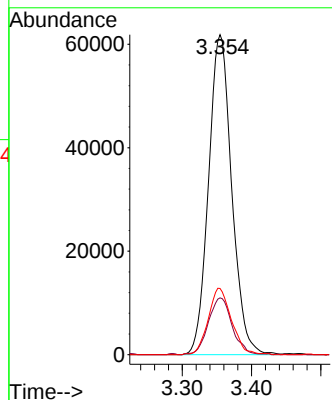
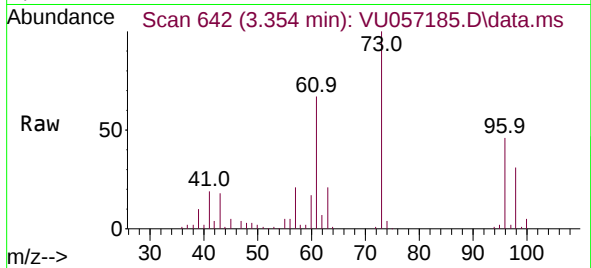




#17
Methyl tert-butyl Ether
Concen: 5.440 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

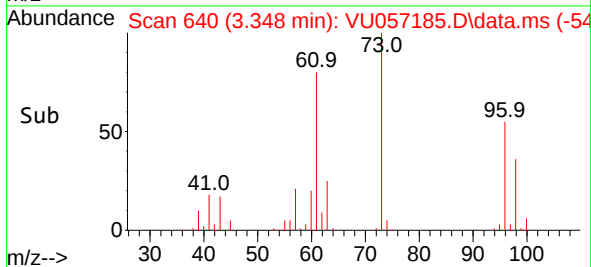
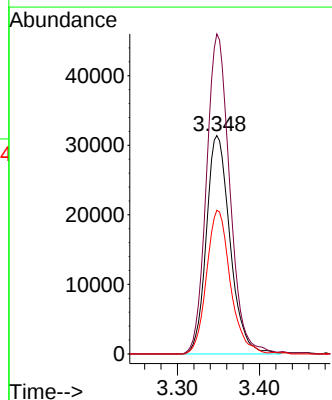
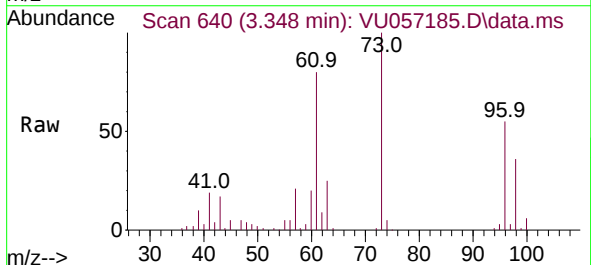
Instrument :
MSVOA_U
ClientSampleId :

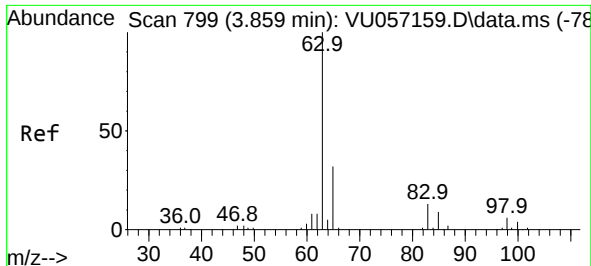
Tgt Ion: 73 Resp: 143775
Ion Ratio Lower Upper
73 100
43 18.3 15.4 23.0
57 20.8 16.2 24.2



#18
trans-1,2-Dichloroethene
Concen: 5.209 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion: 96 Resp: 63210
Ion Ratio Lower Upper
96 100
61 146.5 98.4 182.8
98 65.8 43.6 81.0

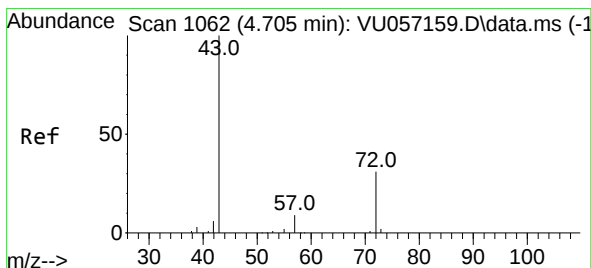
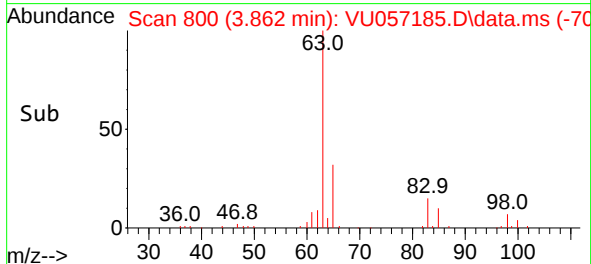
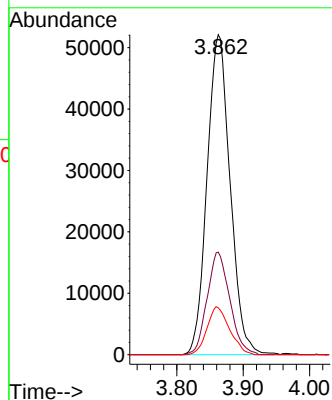
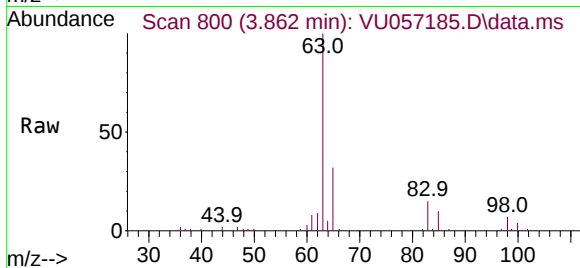




#19
1,1-Dichloroethane
Concen: 5.230 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.003 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

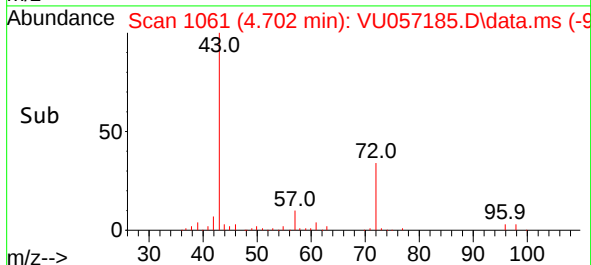
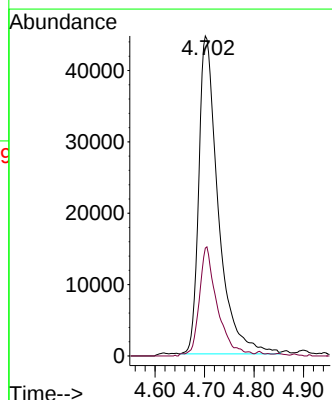
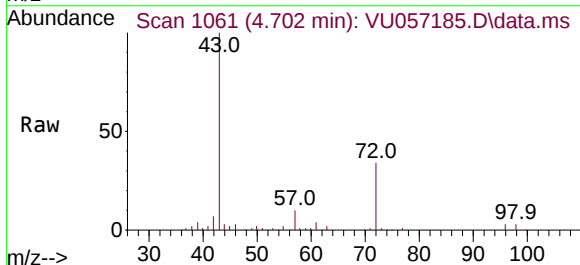
Instrument :
MSVOA_U
ClientSampleId :

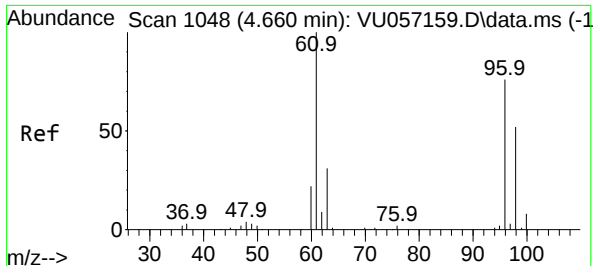
Tgt Ion: 63 Resp: 125965
Ion Ratio Lower Upper
63 100
65 32.1 21.6 40.2
83 14.7 10.2 19.0



#21
2-Butanone
Concen: 53.199 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. -0.003 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion: 43 Resp: 121780
Ion Ratio Lower Upper
43 100
72 31.9 16.3 48.8

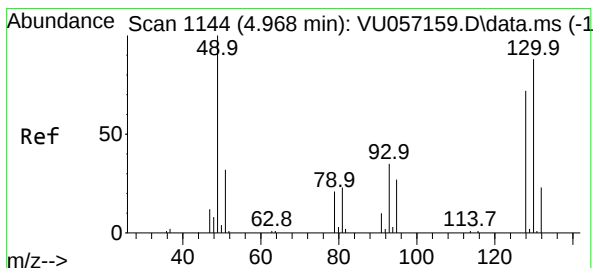
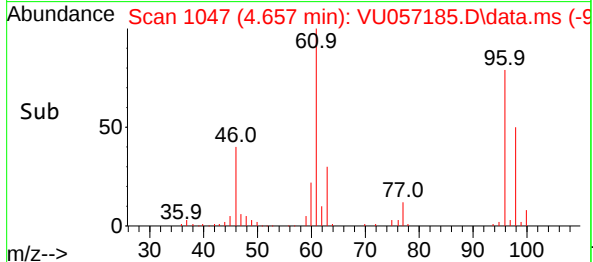
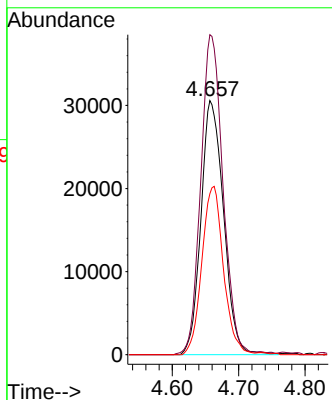
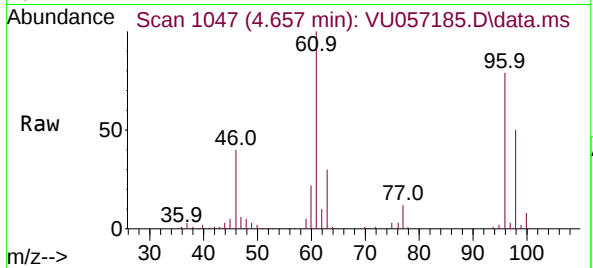




#22
 cis-1,2-Dichloroethene
 Concen: 5.431 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU057185.D
 Acq: 22 Dec 2023 12:52

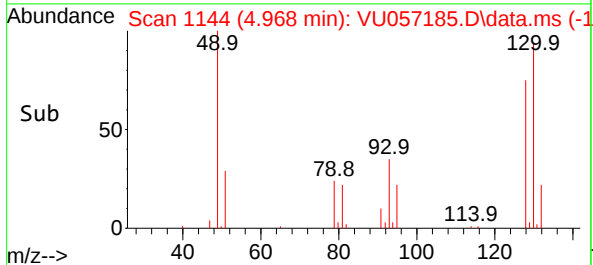
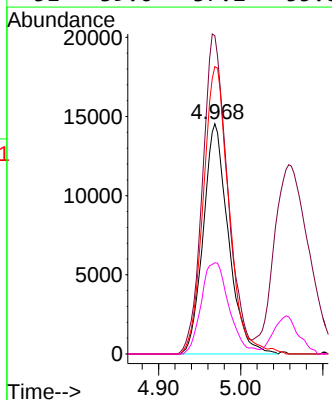
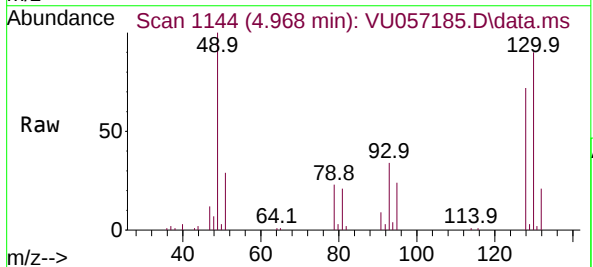
Instrument :
 MSVOA_U
 ClientSampleId :

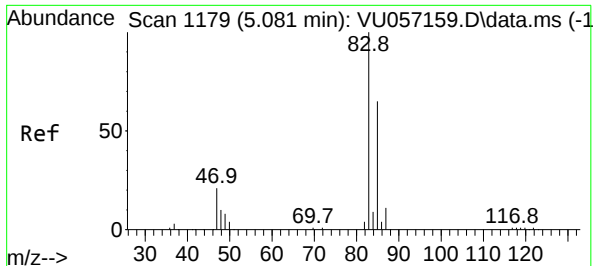
Tgt Ion: 96 Resp: 72588
 Ion Ratio Lower Upper
 96 100
 61 125.9 86.8 161.2
 98 63.4 45.5 84.5



#23
 Bromochloromethane
 Concen: 5.338 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU057185.D
 Acq: 22 Dec 2023 12:52

Tgt Ion:128 Resp: 30914
 Ion Ratio Lower Upper
 128 100
 49 138.2 102.7 190.7
 130 124.8 94.7 175.9
 51 39.6 37.2 55.8





#25

Chloroform

Concen: 5.256 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

Instrument :

MSVOA_U

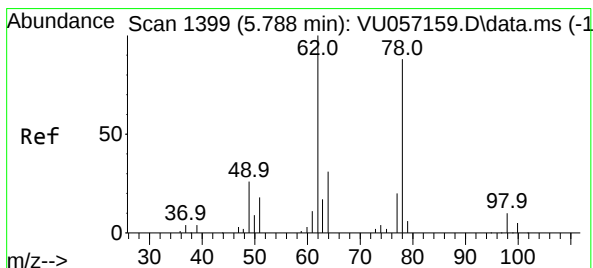
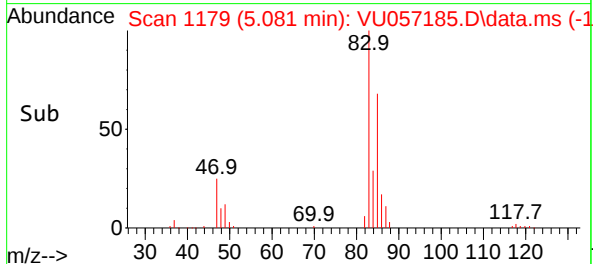
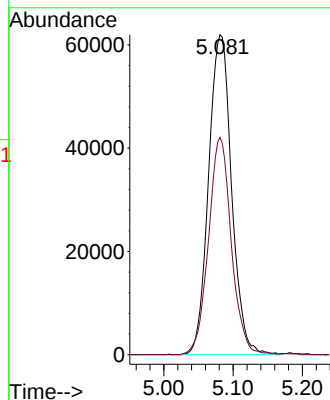
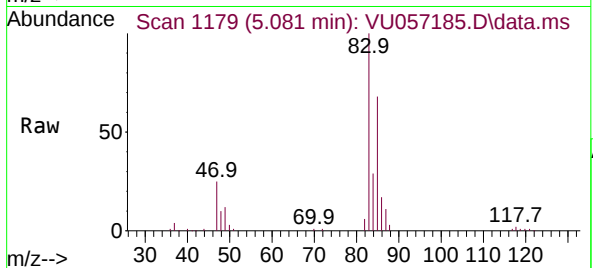
ClientSampleId :

Tgt Ion: 83 Resp: 142794

Ion Ratio Lower Upper

83 100

85 67.9 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.241 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU057185.D

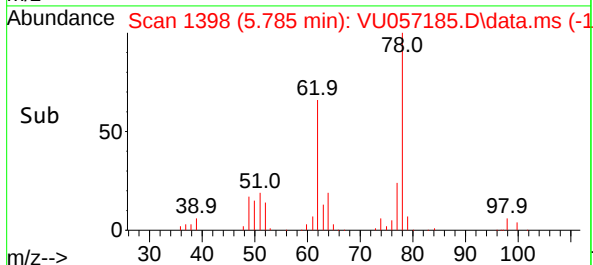
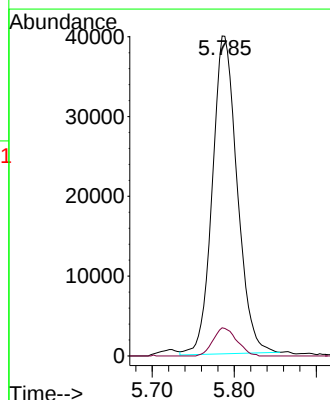
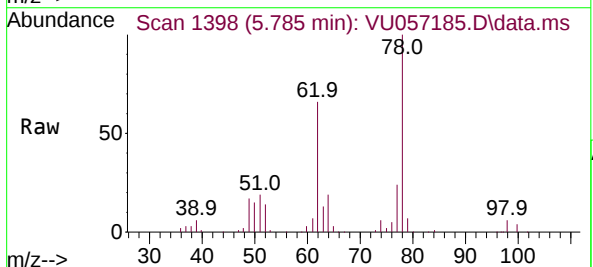
Acq: 22 Dec 2023 12:52

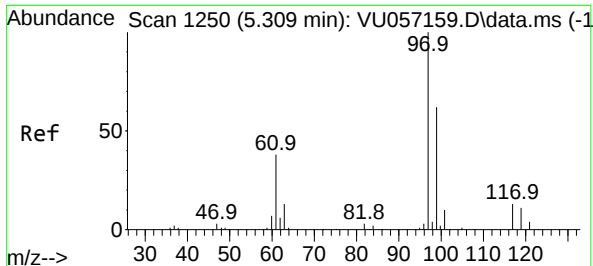
Tgt Ion: 62 Resp: 84004

Ion Ratio Lower Upper

62 100

98 8.8 6.3 9.5

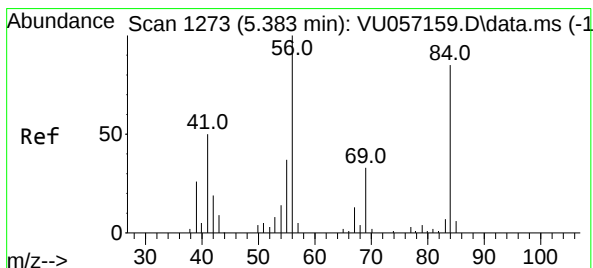
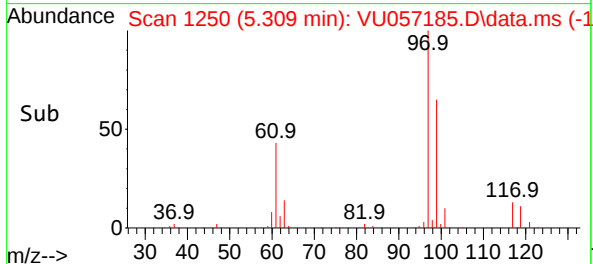
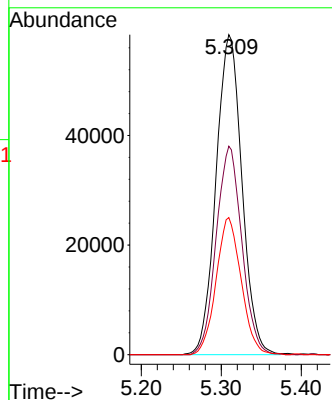
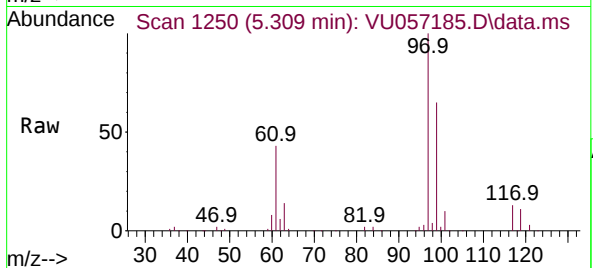




#29
1,1,1-Trichloroethane
Concen: 4.936 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

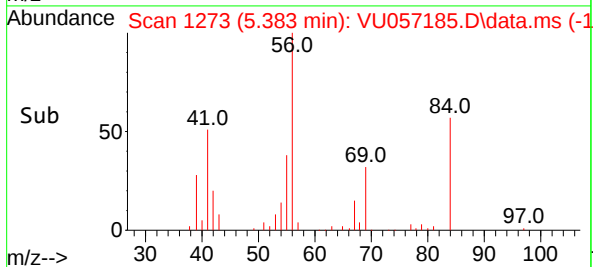
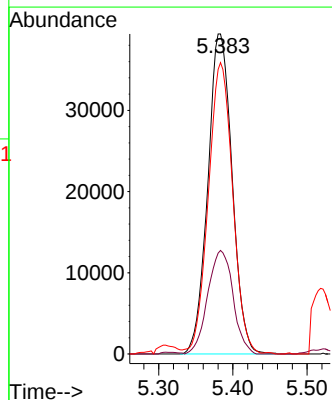
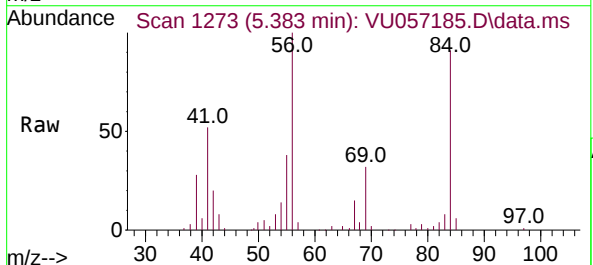
Instrument :
MSVOA_U
ClientSampleId :

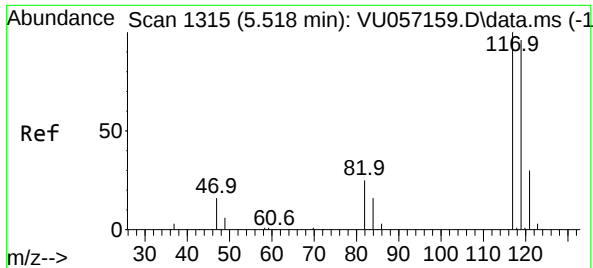
Tgt Ion: 97 Resp: 131377
Ion Ratio Lower Upper
97 100
99 64.5 51.2 76.8
61 41.4 32.5 48.7



#30
Cyclohexane
Concen: 4.983 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion: 56 Resp: 89678
Ion Ratio Lower Upper
56 100
69 33.6 26.7 40.1
84 90.5 74.9 112.3

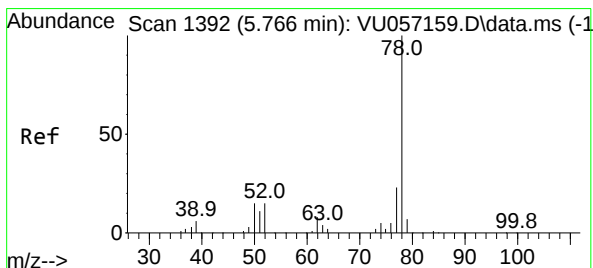
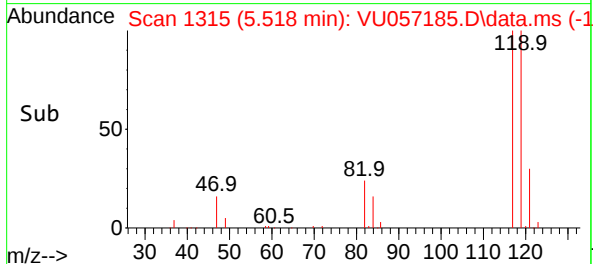
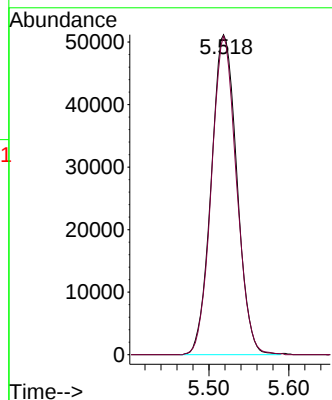
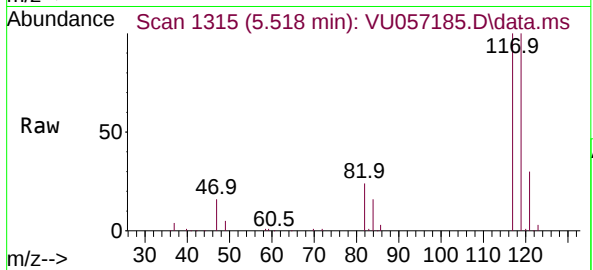




#31
Carbon tetrachloride
Concen: 4.867 ug/L
RT: 5.518 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

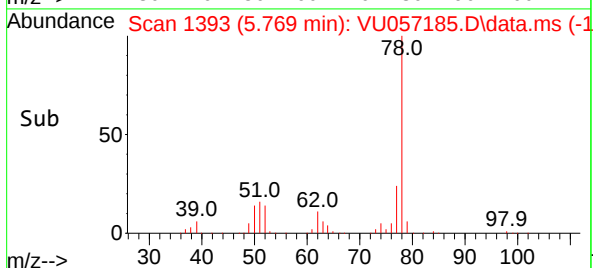
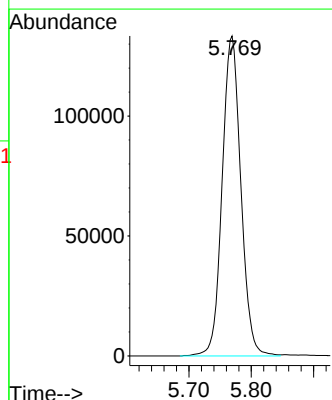
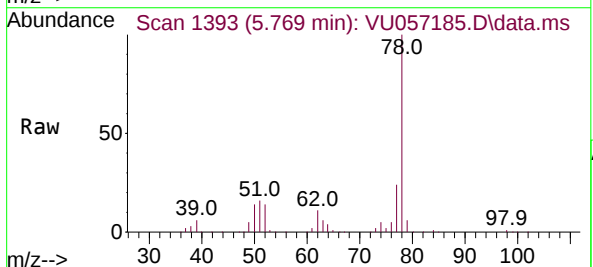
Instrument :
MSVOA_U
ClientSampleId :

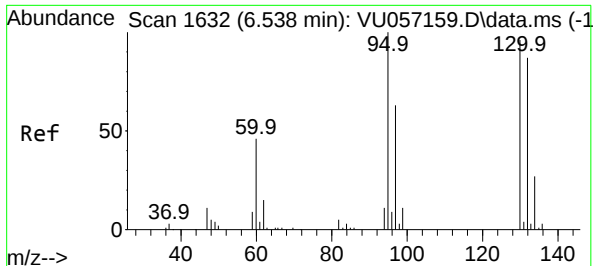
Tgt Ion:117 Resp: 113944
Ion Ratio Lower Upper
117 100
119 97.2 75.1 112.7



#33
Benzene
Concen: 5.227 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion: 78 Resp: 277489

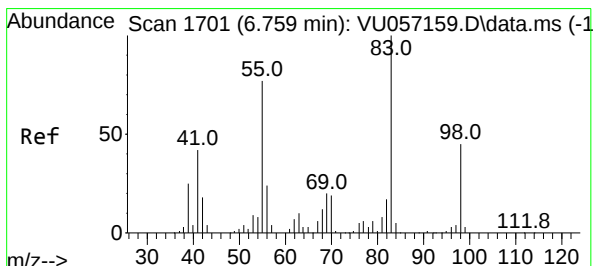
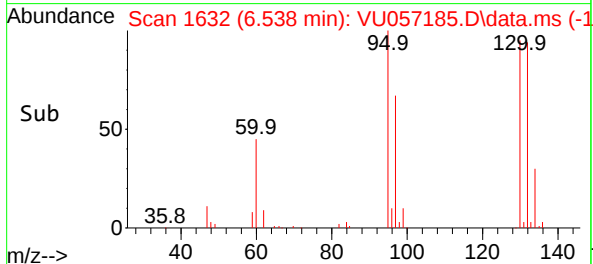
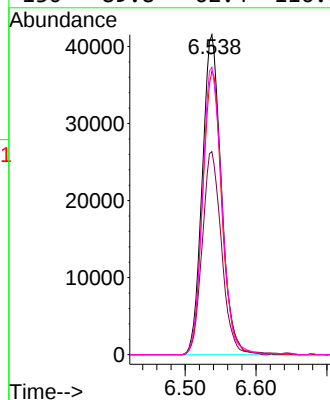
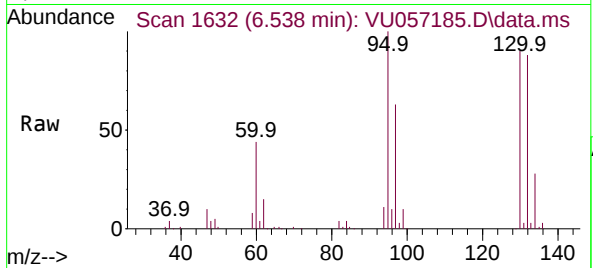




#34
Trichloroethene
Concen: 5.004 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

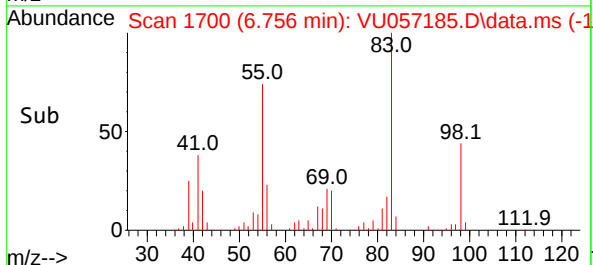
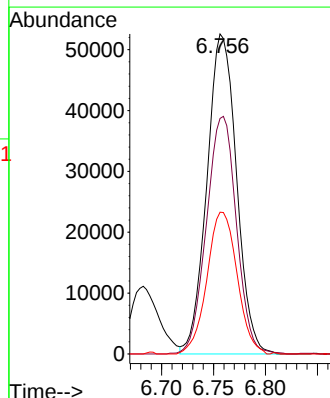
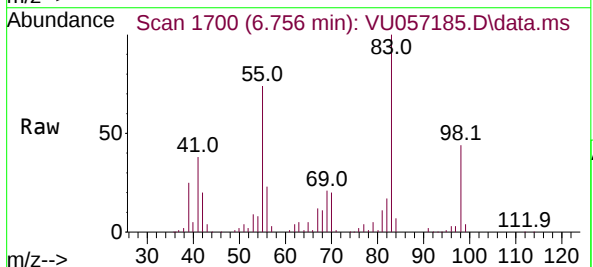
Instrument :
MSVOA_U
ClientSampleId :

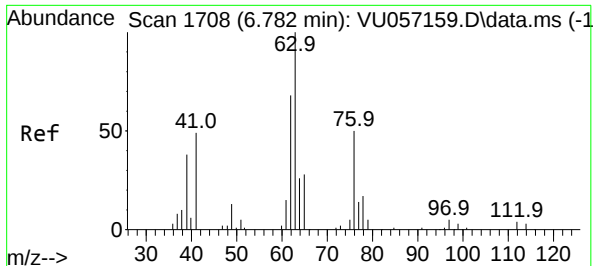
Tgt Ion: 95 Resp: 77700
Ion Ratio Lower Upper
95 100
97 63.5 44.3 82.3
132 88.5 62.6 116.2
130 89.8 62.4 116.0



#35
Methylcyclohexane
Concen: 5.100 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion: 83 Resp: 104238
Ion Ratio Lower Upper
83 100
55 75.1 61.3 91.9
98 45.1 36.6 55.0

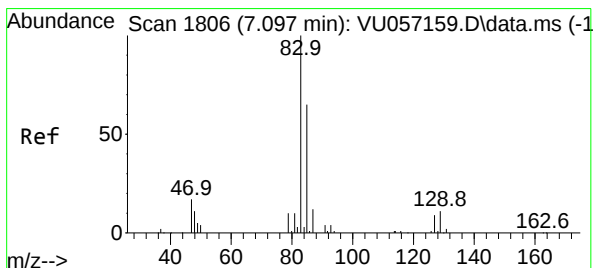
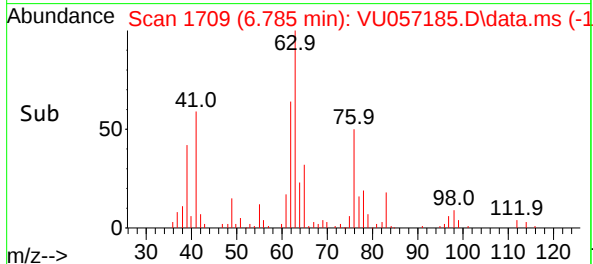
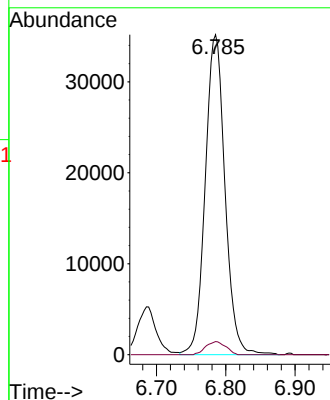
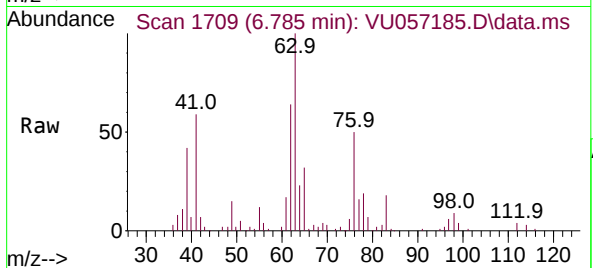




#37
1,2-Dichloropropane
Concen: 5.253 ug/L
RT: 6.785 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

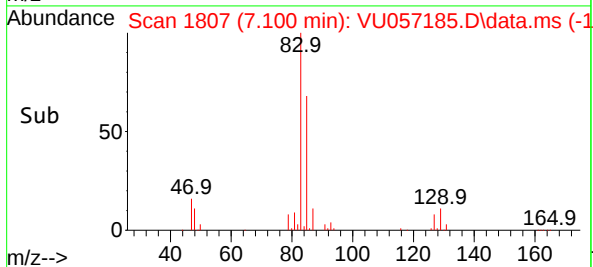
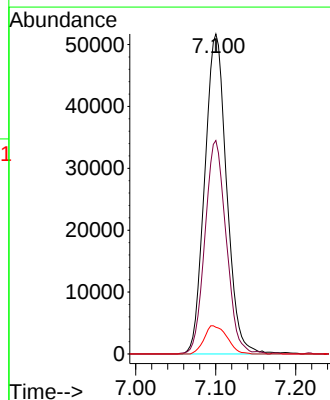
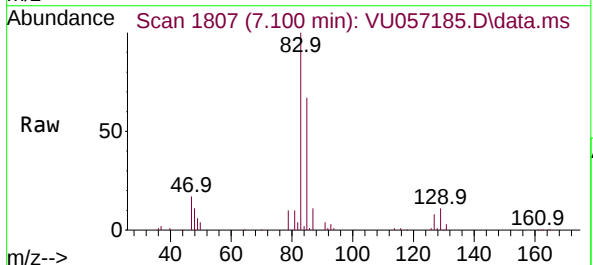
Instrument :
MSVOA_U
ClientSampleId :

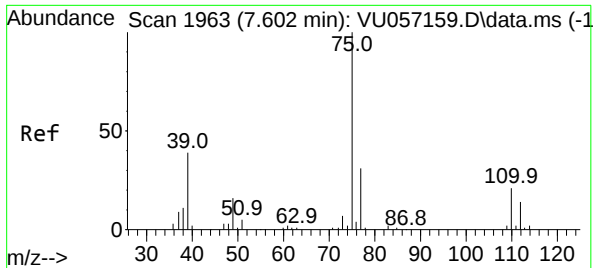
Tgt Ion: 63 Resp: 69382
Ion Ratio Lower Upper
63 100
112 4.2 3.1 4.7



#38
Bromodichloromethane
Concen: 5.154 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion: 83 Resp: 98478
Ion Ratio Lower Upper
83 100
85 66.7 45.8 85.0
127 8.4 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 5.188 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

Instrument :

MSVOA_U

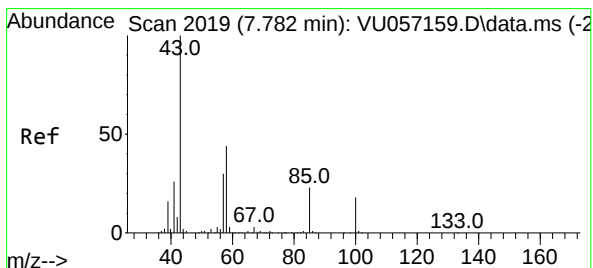
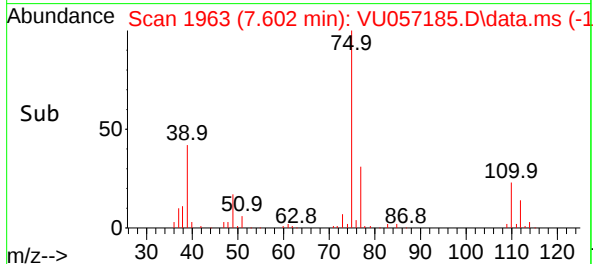
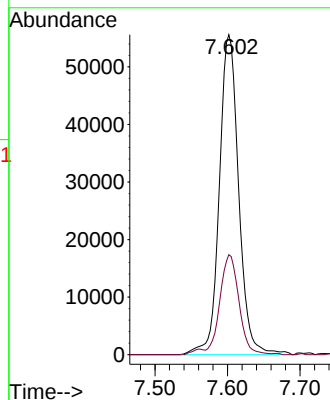
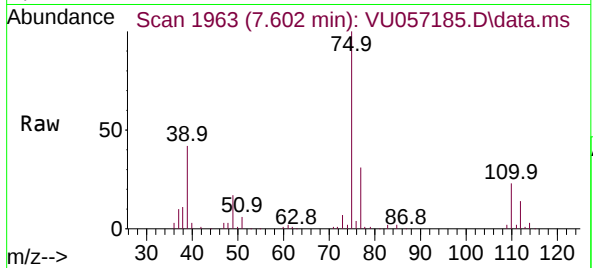
ClientSampleId :

Tgt Ion: 75 Resp: 103063

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 52.617 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.003 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

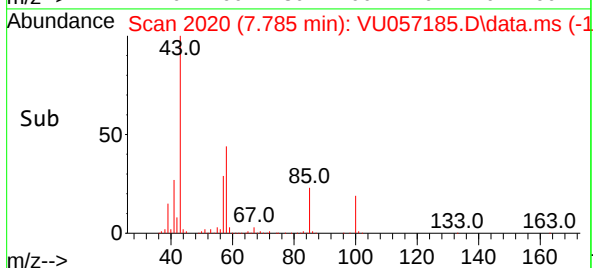
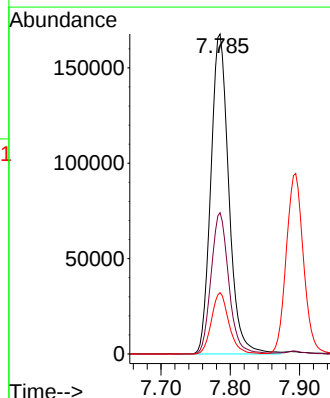
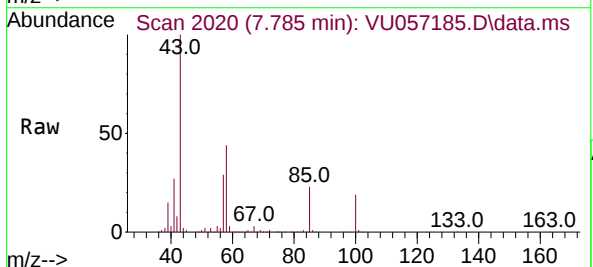
Tgt Ion: 43 Resp: 302093

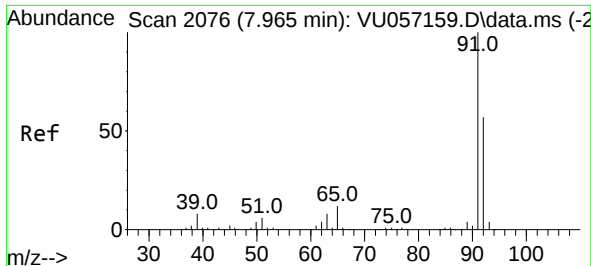
Ion Ratio Lower Upper

43 100

58 43.4 34.8 52.2

100 18.6 14.6 21.8





#42

Toluene

Concen: 5.337 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

Instrument :

MSVOA_U

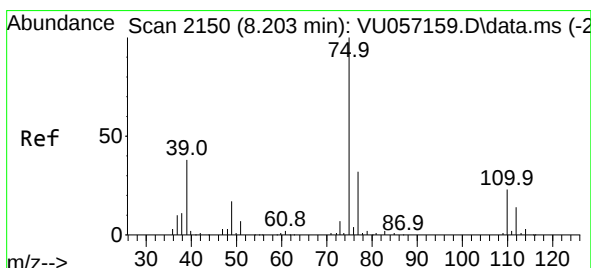
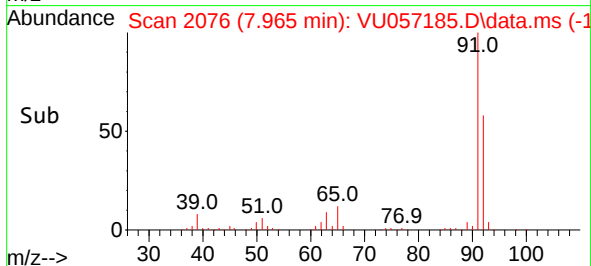
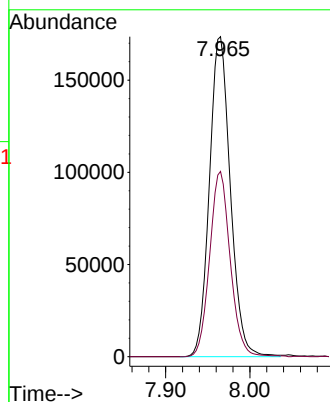
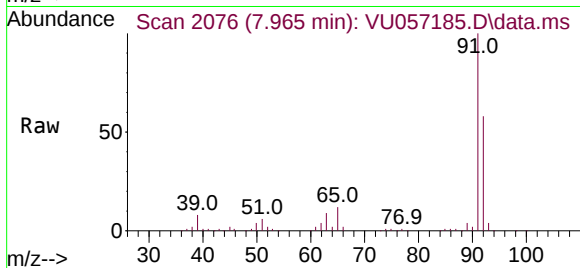
ClientSampleId :

Tgt Ion: 91 Resp: 300293

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 5.228 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU057185.D

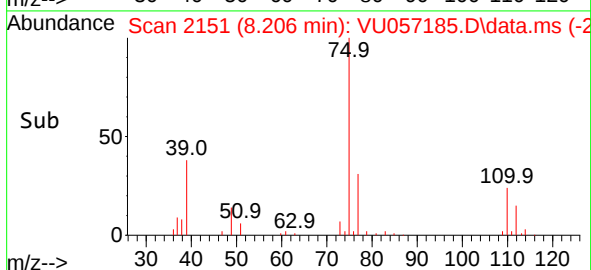
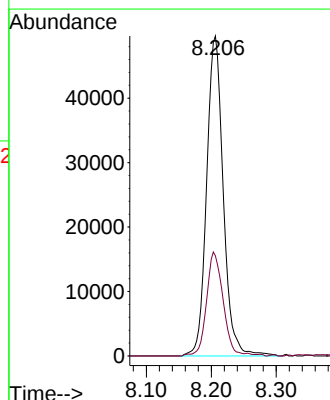
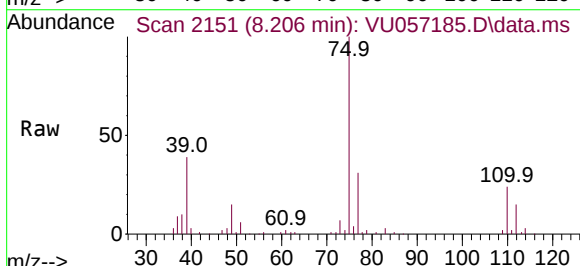
Acq: 22 Dec 2023 12:52

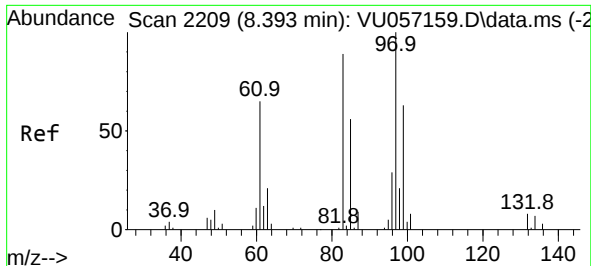
Tgt Ion: 75 Resp: 88639

Ion Ratio Lower Upper

75 100

77 31.3 21.4 39.8

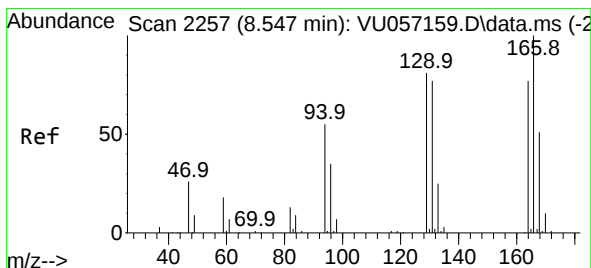
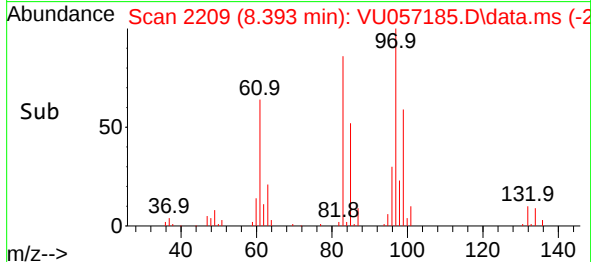
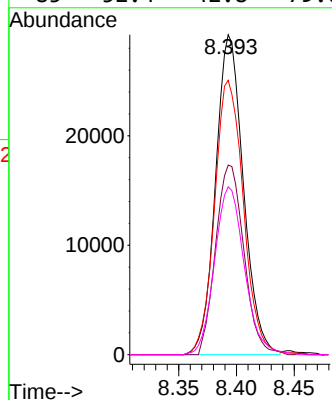
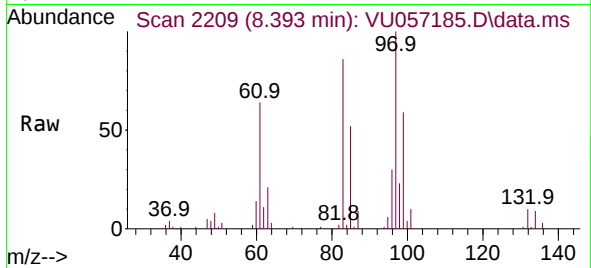




#45
1,1,2-Trichloroethane
Concen: 5.374 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

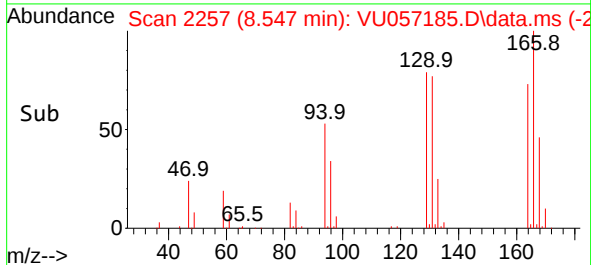
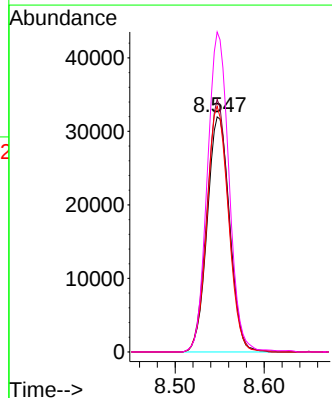
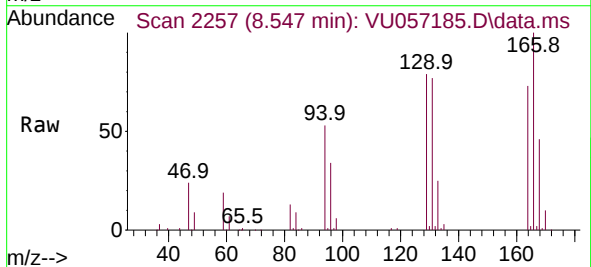
Instrument :
MSVOA_U
ClientSampleId :

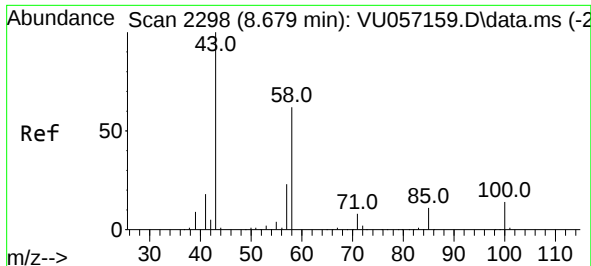
Tgt Ion: 97	Resp: 48966
Ion Ratio	Lower Upper
97 100	
99 59.3	47.0 87.2
83 85.7	62.1 115.3
85 52.4	42.8 79.6



#47
Tetrachloroethene
Concen: 5.017 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt	Ion:164	Resp:	55818
Ion	Ratio	Lower	Upper
164	100		
129	107.4	72.9	135.3
131	104.5	71.7	133.3
166	136.2	87.7	162.9

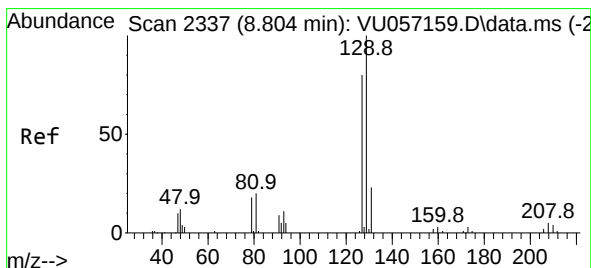
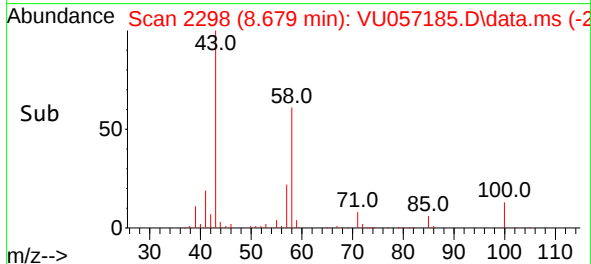
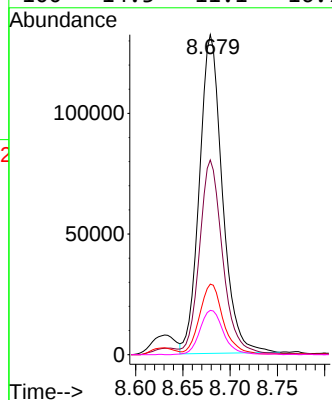
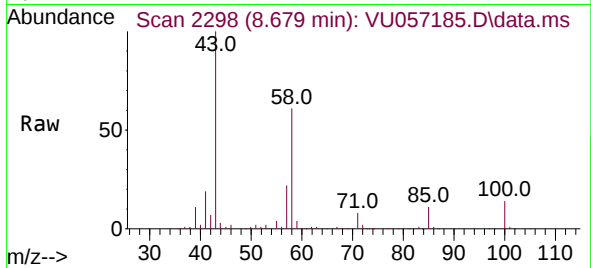




#48
2-Hexanone
Concen: 52.884 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

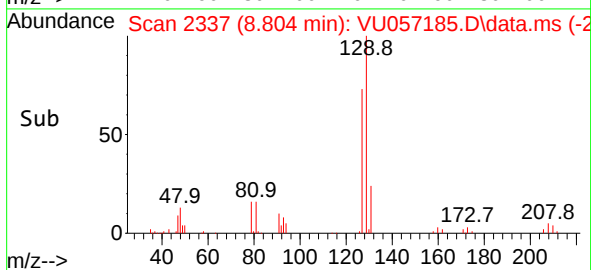
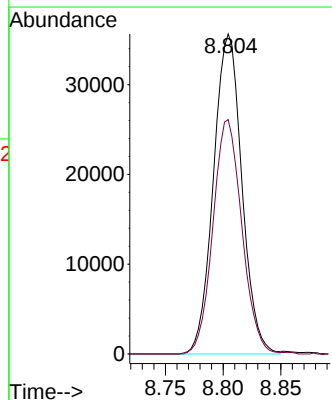
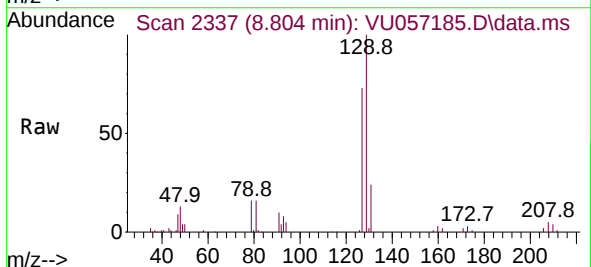
Instrument :
MSVOA_U
ClientSampleId :

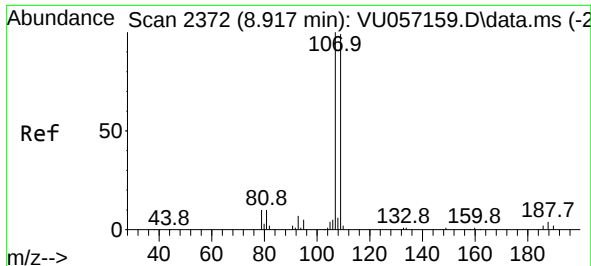
Tgt Ion:	43	Resp:	223393
Ion	Ratio	Lower	Upper
43	100		
58	61.5	49.8	74.8
57	22.6	18.5	27.7
100	14.3	11.1	16.7



#49
Dibromochloromethane
Concen: 5.165 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion:	129	Resp:	61010
Ion	Ratio	Lower	Upper
129	100		
127	73.2	55.2	102.6

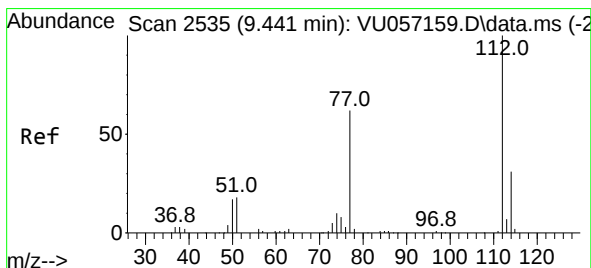
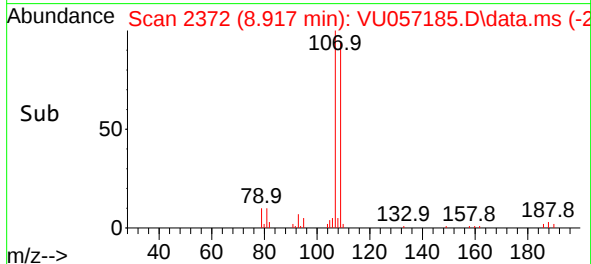
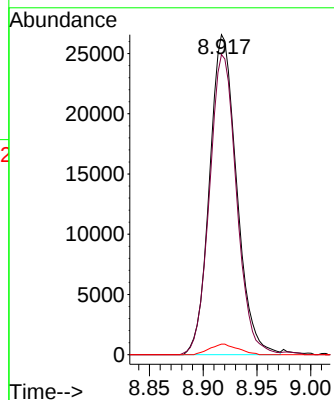
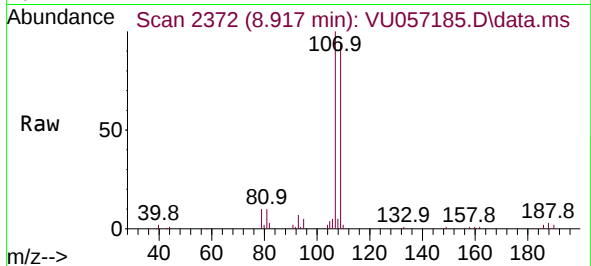




#50
1,2-Dibromoethane
Concen: 5.448 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

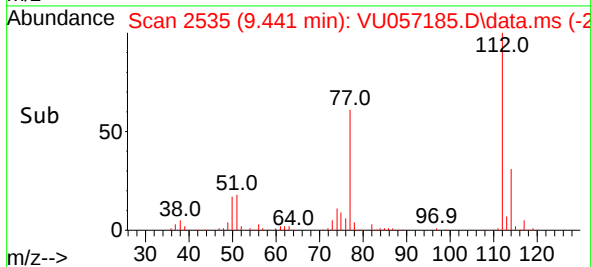
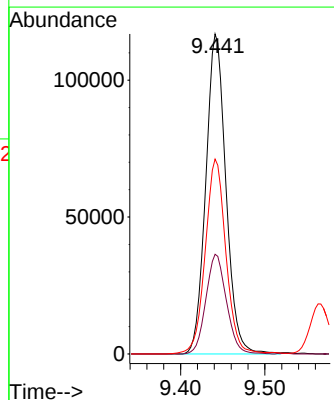
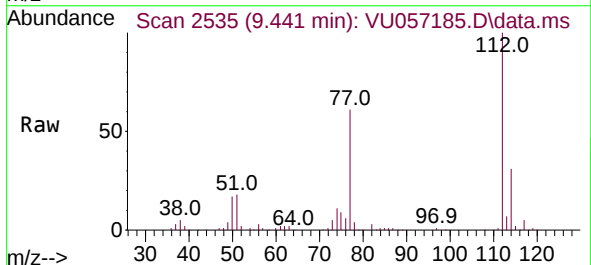
Instrument :
MSVOA_U
ClientSampleId :

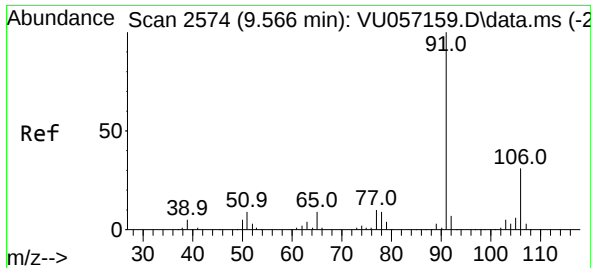
Tgt Ion:107 Resp: 46603
Ion Ratio Lower Upper
107 100
109 93.8 66.8 124.2
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 5.316 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion:112 Resp: 194698
Ion Ratio Lower Upper
112 100
114 31.2 22.7 42.1
77 60.9 52.2 78.2

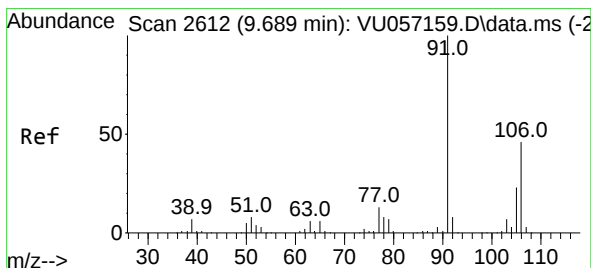
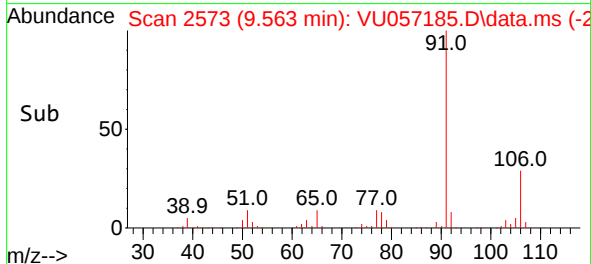
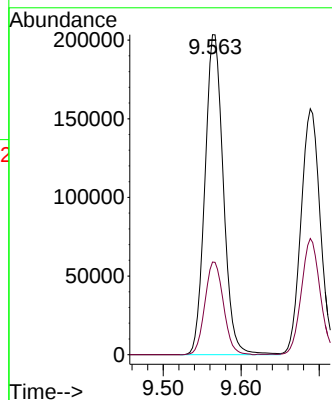
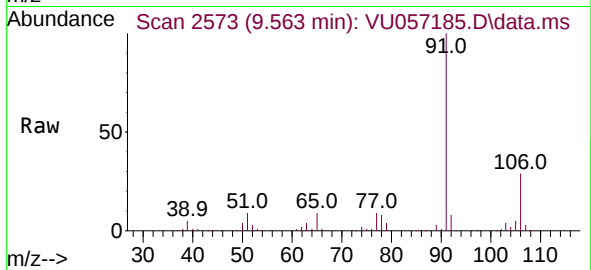




#52
Ethylbenzene
Concen: 5.253 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.003 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

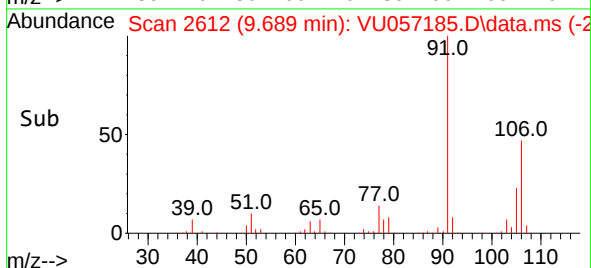
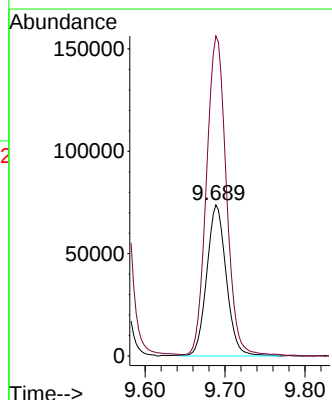
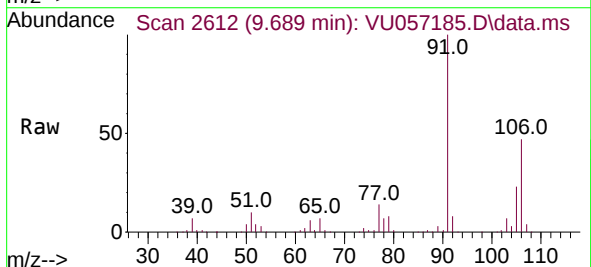
Instrument :
MSVOA_U
ClientSampleId :

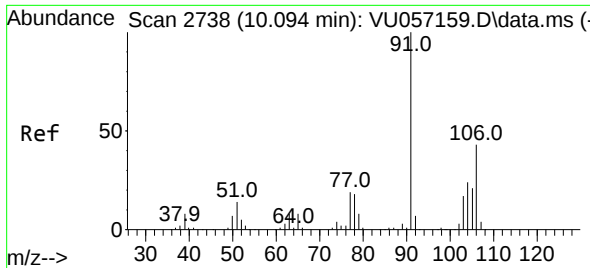
Tgt Ion: 91 Resp: 333055
Ion Ratio Lower Upper
91 100
106 28.9 21.6 40.2



#53
m,p-Xylene
Concen: 5.398 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion:106 Resp: 125203
Ion Ratio Lower Upper
106 100
91 211.8 154.5 286.9

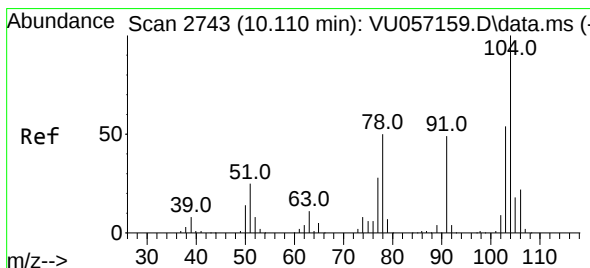
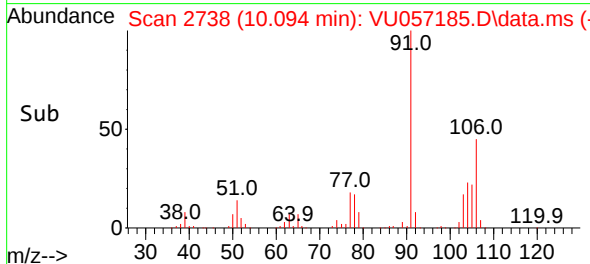
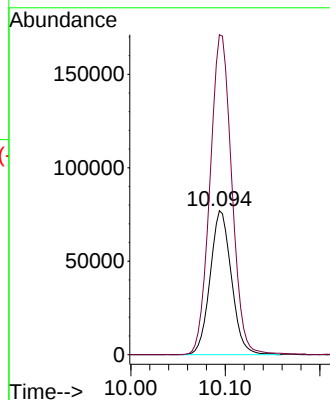
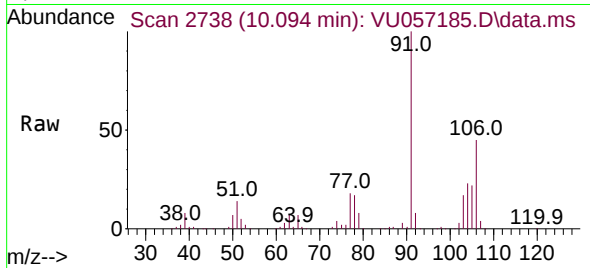




#54
o-Xylene
Concen: 5.385 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

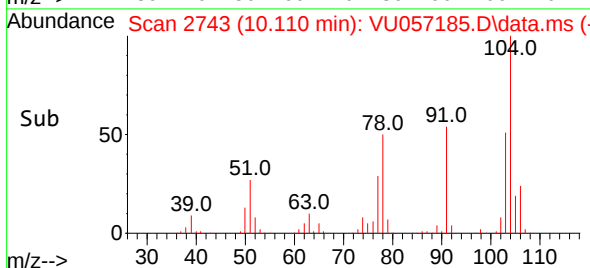
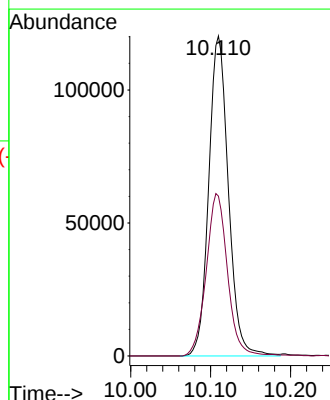
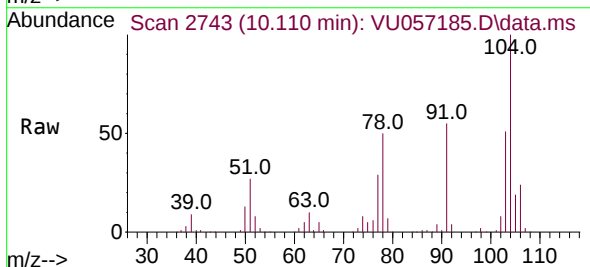
Instrument :
MSVOA_U
ClientSampleId :

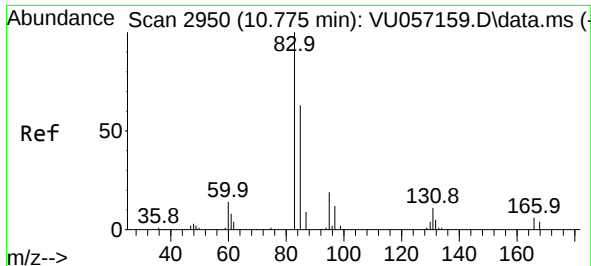
Tgt Ion:106 Resp: 120510
Ion Ratio Lower Upper
106 100
91 222.3 165.4 307.2



#55
Styrene
Concen: 5.570 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion:104 Resp: 205592
Ion Ratio Lower Upper
104 100
78 50.0 35.8 66.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.448 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

Instrument :

MSVOA_U

ClientSampleId :

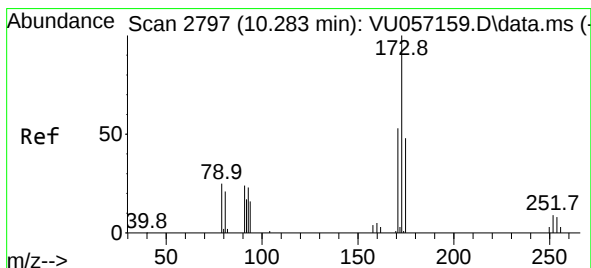
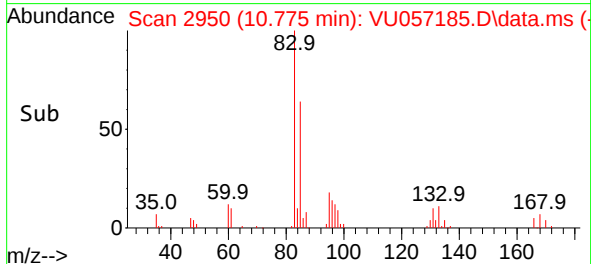
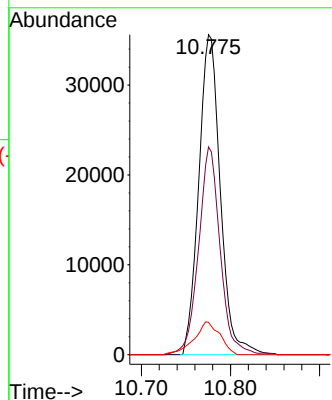
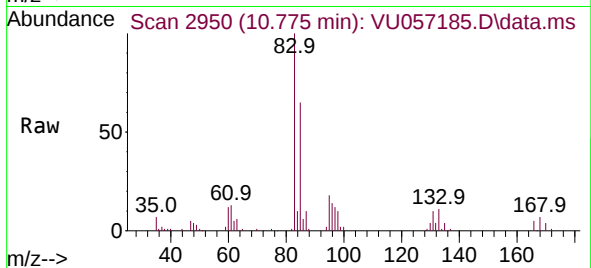
Tgt Ion: 83 Resp: 59862

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.2

131 10.2 7.0 10.6



#59

Bromoform

Concen: 5.281 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

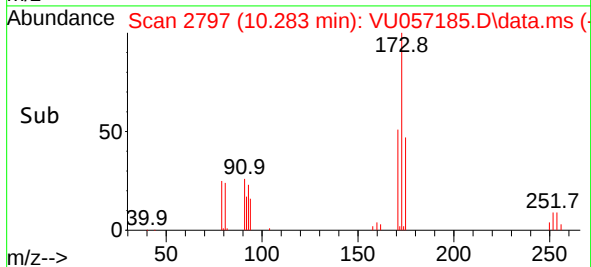
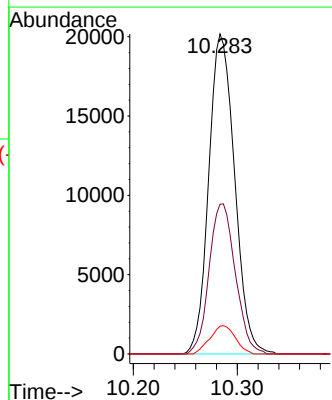
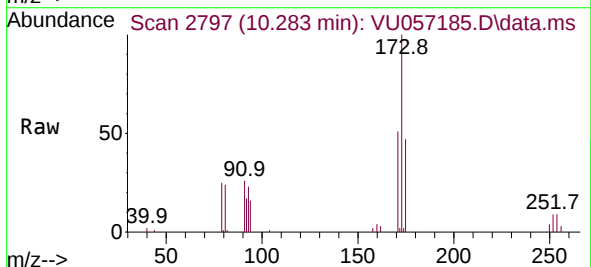
Tgt Ion:173 Resp: 34881

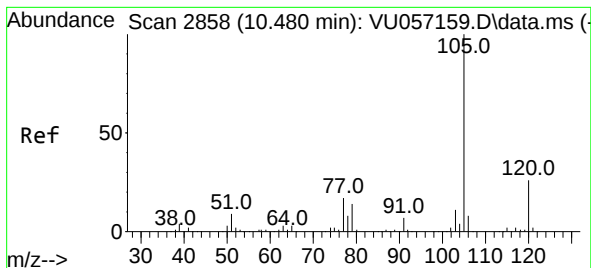
Ion Ratio Lower Upper

173 100

175 47.5 40.5 60.7

254 8.7 8.1 12.1





#60

Isopropylbenzene

Concen: 5.316 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

Instrument :

MSVOA_U

ClientSampleId :

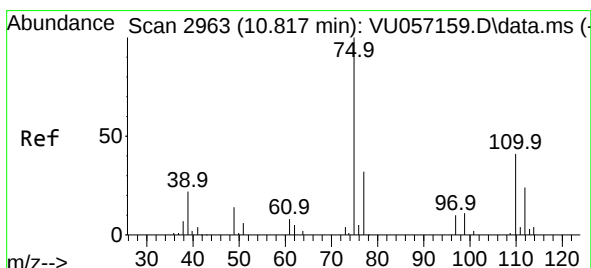
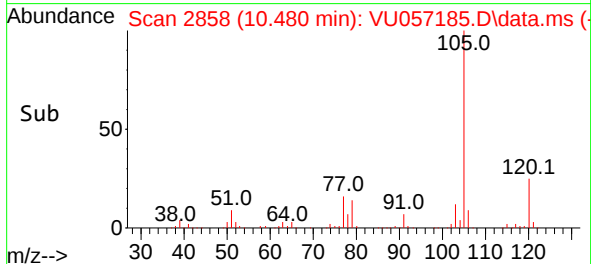
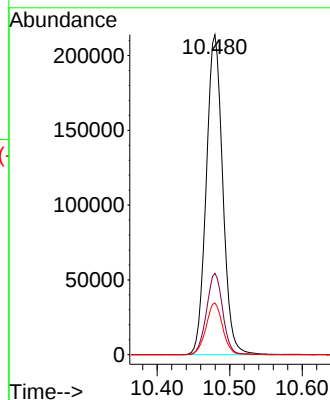
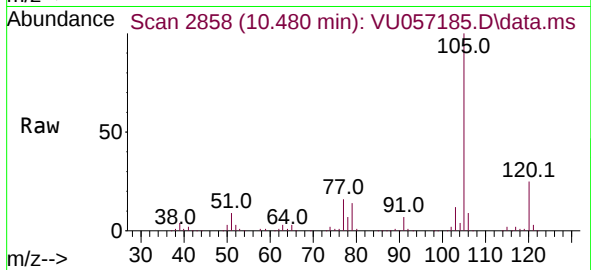
Tgt Ion:105 Resp: 337357

Ion Ratio Lower Upper

105 100

120 25.1 19.8 29.8

77 16.4 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 5.299 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

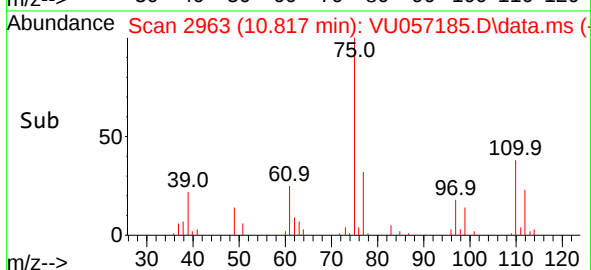
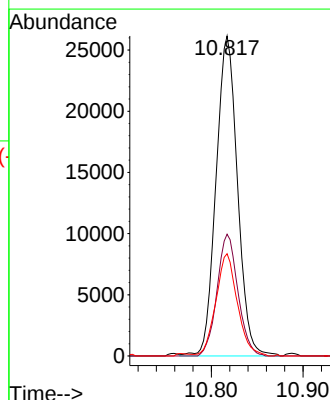
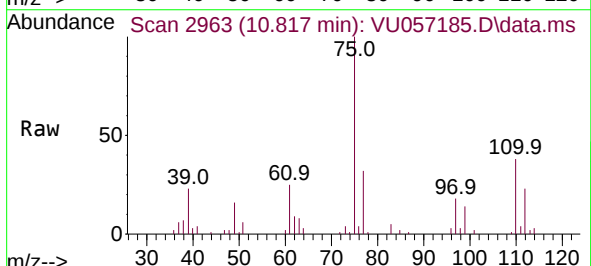
Tgt Ion: 75 Resp: 42492

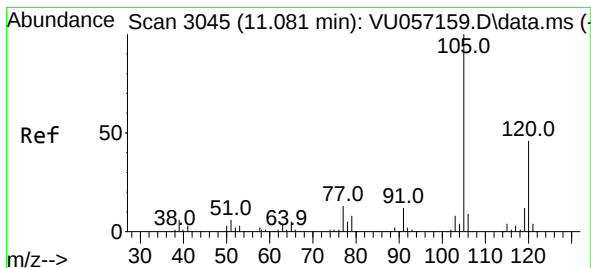
Ion Ratio Lower Upper

75 100

110 37.0 31.2 46.8

77 32.0 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.229 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

Instrument :

MSVOA_U

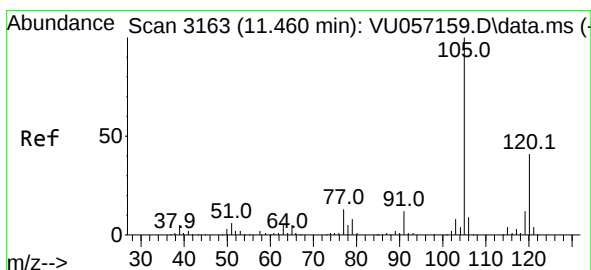
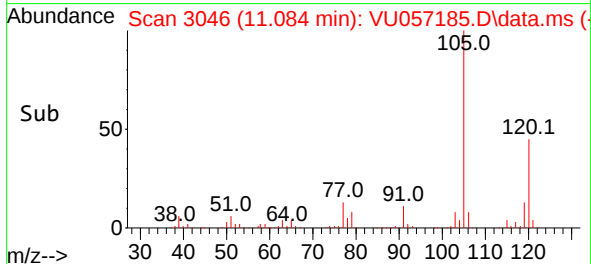
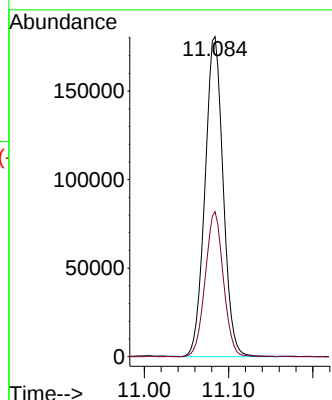
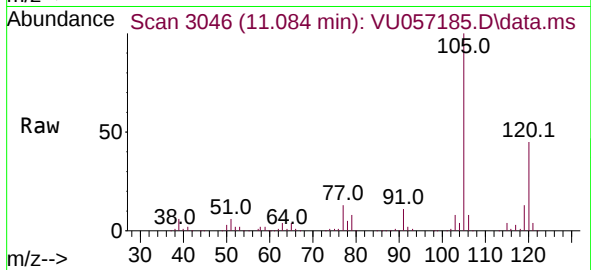
ClientSampleId :

Tgt Ion:105 Resp: 271927

Ion Ratio Lower Upper

105 100

120 45.2 35.8 53.8



#63

1,2,4-Trimethylbenzene

Concen: 5.313 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU057185.D

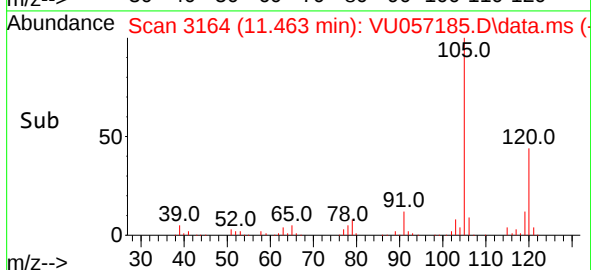
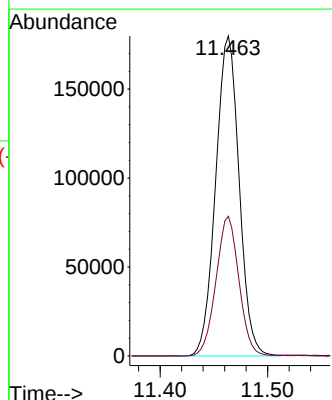
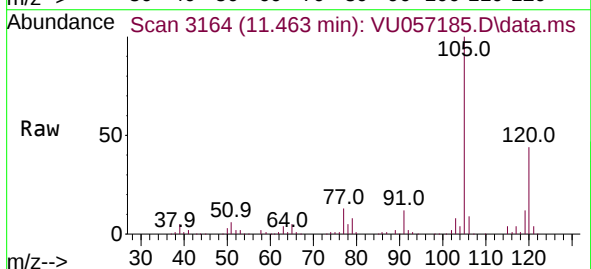
Acq: 22 Dec 2023 12:52

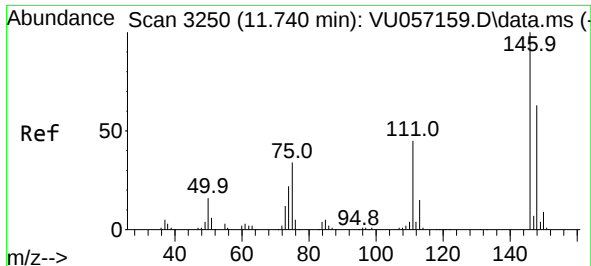
Tgt Ion:105 Resp: 272615

Ion Ratio Lower Upper

105 100

120 42.7 33.9 50.9

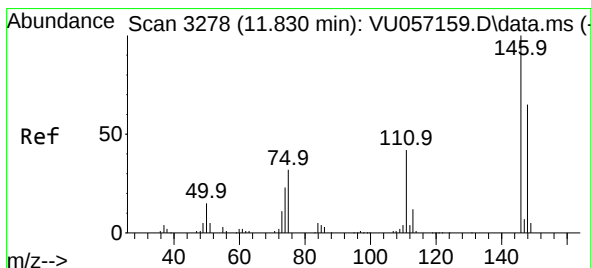
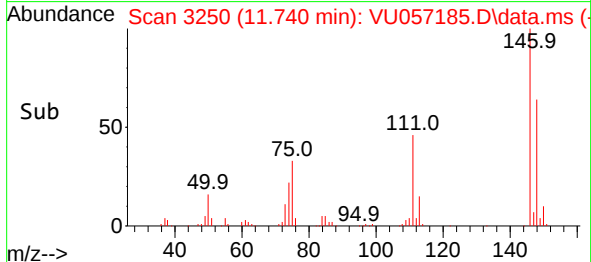
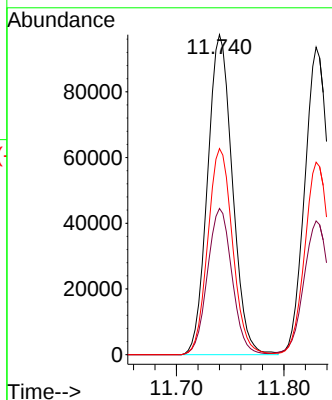
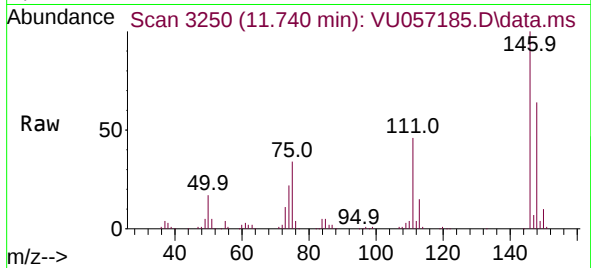




#64
1,3-Dichlorobenzene
Concen: 5.225 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

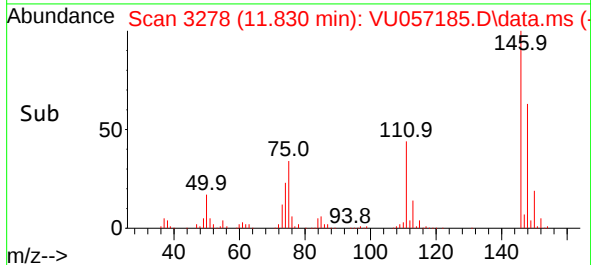
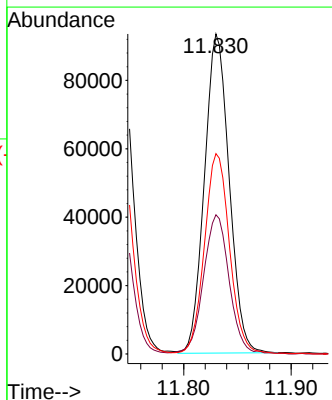
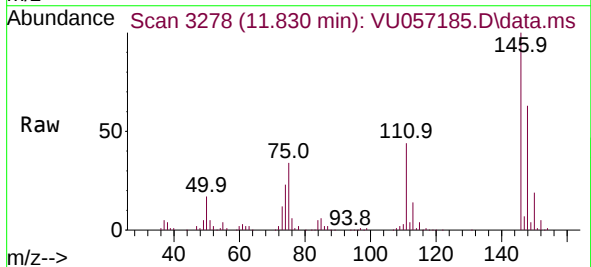
Instrument :
MSVOA_U
ClientSampleId :

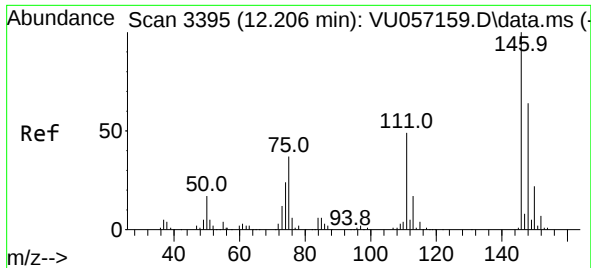
Tgt Ion:146 Resp: 156721
Ion Ratio Lower Upper
146 100
111 45.7 30.4 56.4
148 64.4 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.943 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU057185.D
Acq: 22 Dec 2023 12:52

Tgt Ion:146 Resp: 149232
Ion Ratio Lower Upper
146 100
111 43.5 28.1 52.3
148 62.6 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 5.206 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

Instrument :

MSVOA_U

ClientSampleId :

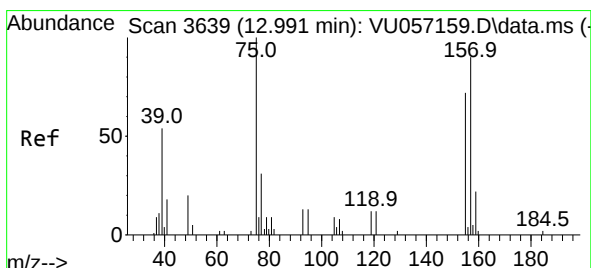
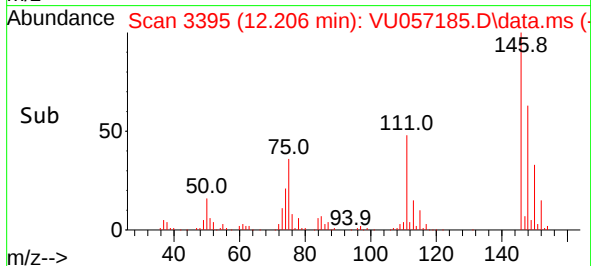
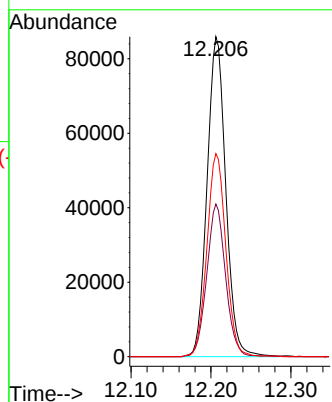
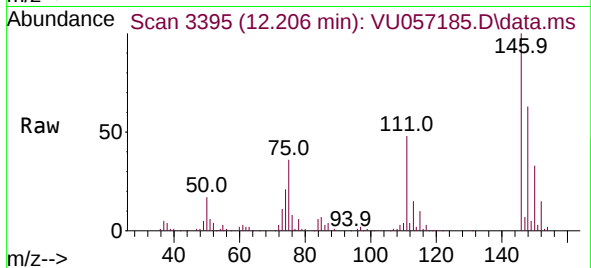
Tgt Ion:146 Resp: 139646

Ion Ratio Lower Upper

146 100

111 47.7 37.9 56.9

148 63.4 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 5.210 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

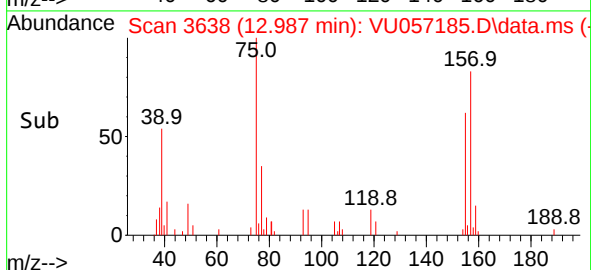
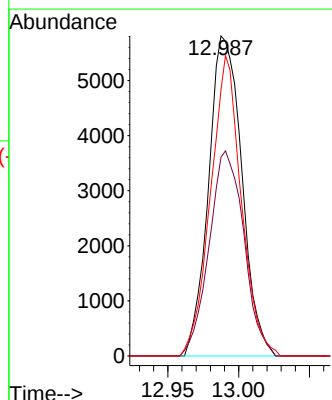
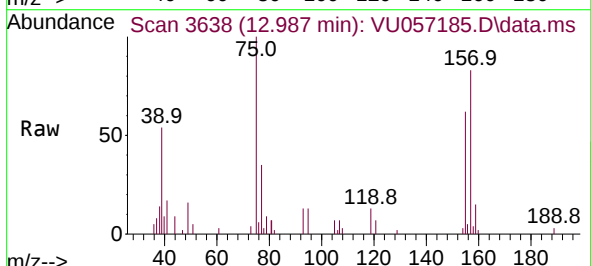
Tgt Ion: 75 Resp: 9476

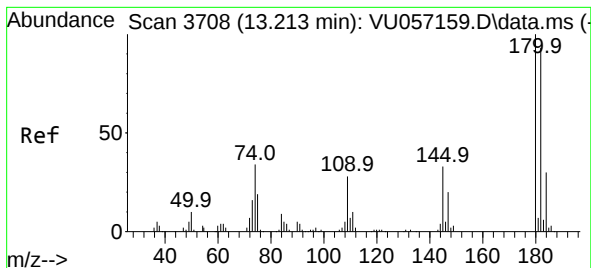
Ion Ratio Lower Upper

75 100

155 62.1 61.4 92.0

157 83.3 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 5.120 ug/L

RT: 13.213 min Scan# 31

Delta R.T. 0.000 min

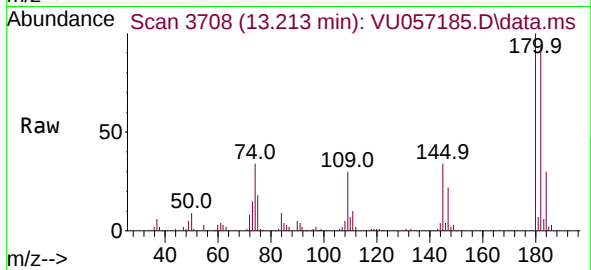
Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 114240

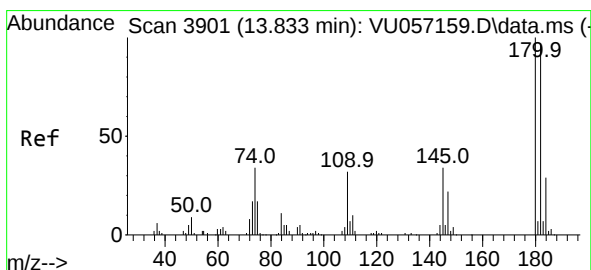
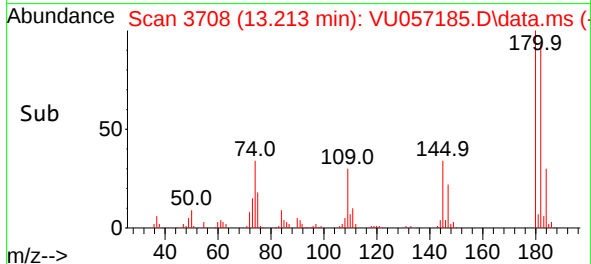
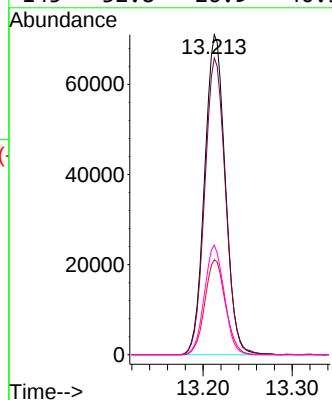
Ion Ratio Lower Upper

180 100

182 93.3 75.6 113.4

184 29.6 24.2 36.2

145 32.8 26.9 40.3



#70

1,2,4-trichlorobenzene

Concen: 4.719 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

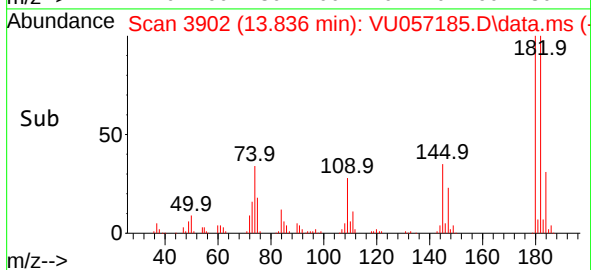
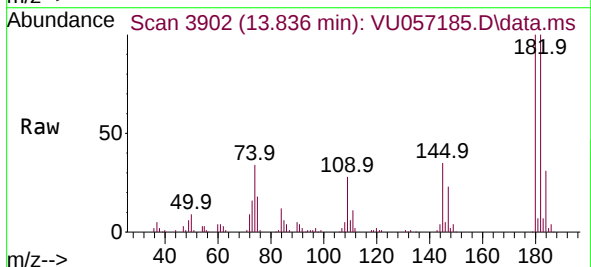
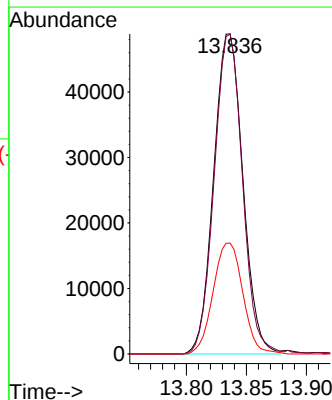
Tgt Ion:180 Resp: 82453

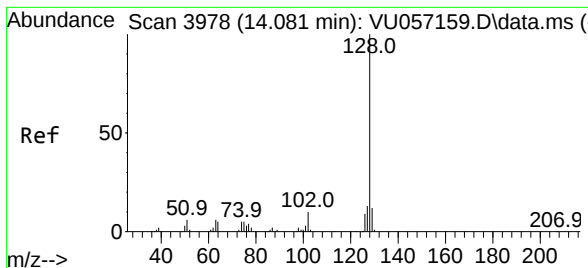
Ion Ratio Lower Upper

180 100

182 96.8 75.4 113.0

145 35.3 27.7 41.5





#71

Naphthalene

Concen: 4.827 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

Instrument :

MSVOA_U

ClientSampleId :

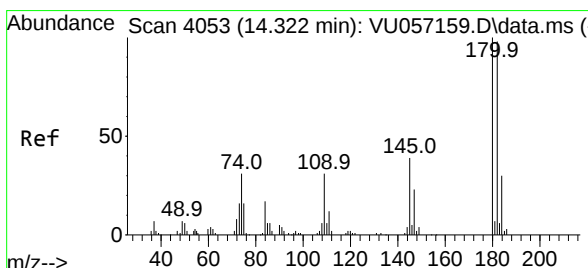
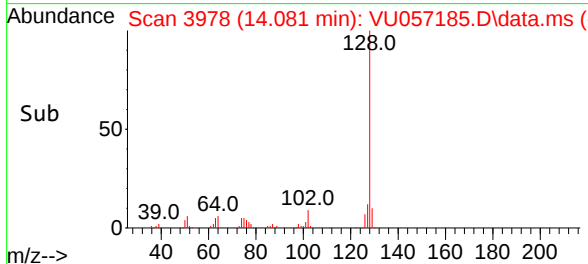
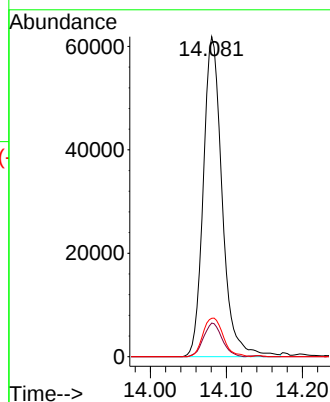
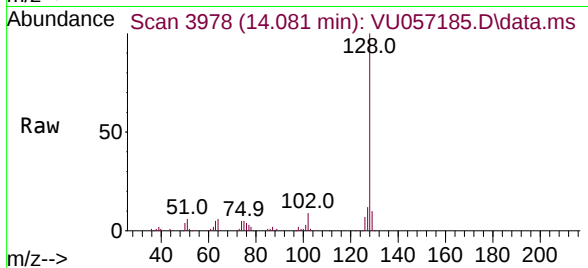
Tgt Ion:128 Resp: 106679

Ion Ratio Lower Upper

128 100

129 10.4 8.2 12.4

127 13.0 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.892 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU057185.D

Acq: 22 Dec 2023 12:52

Tgt Ion:180 Resp: 66665

Ion Ratio Lower Upper

180 100

182 97.8 76.2 114.4

145 35.6 28.9 43.3

