

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057290.D
 Acq On : 27 Dec 2023 19:26
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 00:39:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 00:31:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	274288	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	263843	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	130648	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	126203	5.352	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 107.000%	
7) Chloroethane-d5	1.911	69	99551	5.256	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 105.200%	
11) 1,1-Dichloroethene-d2	2.560	65	46749	4.981	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 99.600%	
20) 2-Butanone-d5	4.637	46	293575	54.970	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 109.940%	
24) Chloroform-d	5.055	84	222559	5.308	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 106.200%	
26) 1,2-Dichloroethane-d4	5.692	65	113039	5.275	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 105.600%	
32) Benzene-d6	5.721	84	414946	5.517	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 110.400%	
36) 1,2-Dichloropropane-d6	6.682	67	131892	5.596	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 112.000%	
41) Toluene-d8	7.891	98	363180	5.597	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 112.000%	
43) trans-1,3-Dichloroprop...	8.174	79	53875	5.697	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 114.000%	
46) 2-Hexanone-d5	8.631	63	249562	58.268	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 116.540%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	109504	5.532	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 110.600%	
66) 1,2-Dichlorobenzene-d4	12.187	152	127599	5.364	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 107.200%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	94031	4.723	ug/L	100
3) Chloromethane	1.518	50	99976	4.528	ug/L	98
5) Vinyl chloride	1.602	62	111160	4.855	ug/L	98
6) Bromomethane	1.856	94	56842	5.264	ug/L	96
8) Chloroethane	1.933	64	67253	4.531	ug/L	97
9) Trichlorofluoromethane	2.136	101	153427	4.651	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	95388	4.781	ug/L	98
12) 1,1-Dichloroethene	2.573	96	85759	4.784	ug/L	96
13) Acetone	2.660	43	144212	41.431	ug/L	96
14) Carbon disulfide	2.788	76	239410	4.683	ug/L	98
15) Methyl Acetate	2.956	43	38481	4.855	ug/L	95
16) Methylene chloride	3.039	84	100681	4.352	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	226199	4.998	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	85283	4.794	ug/L	99
19) 1,1-Dichloroethane	3.859	63	177052	4.736	ug/L	97
21) 2-Butanone	4.718	43	236488	47.569	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	97488	4.741	ug/L	98
23) Bromochloromethane	4.968	128	45315	4.930	ug/L	98
25) Chloroform	5.078	83	187382	4.752	ug/L	100

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 00:39:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

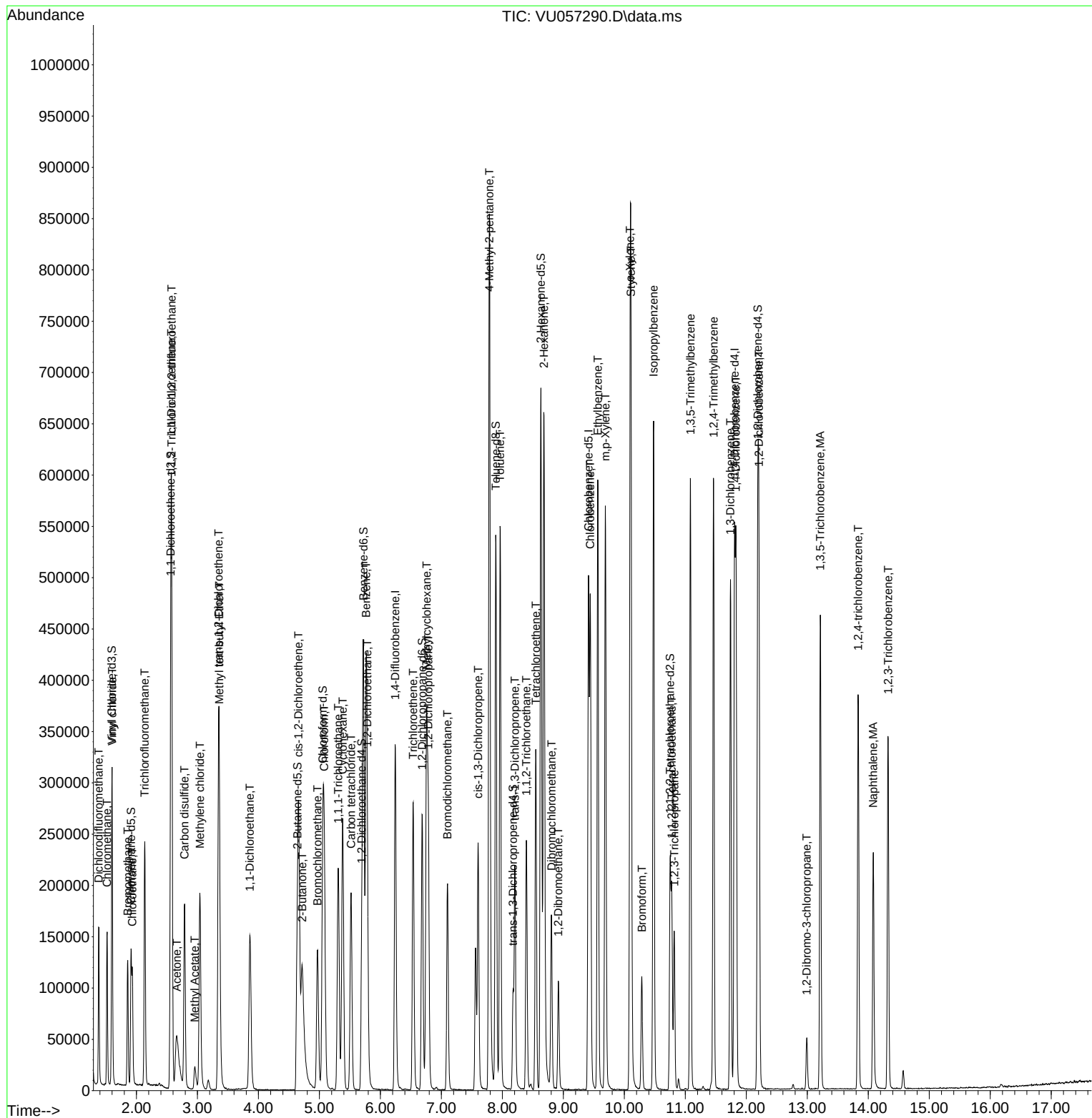
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	116205	4.703	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	164731	4.929	ug/L	99
30) Cyclohexane	5.380	56	130193	5.223	ug/L	98
31) Carbon tetrachloride	5.518	117	136799	4.880	ug/L	100
33) Benzene	5.766	78	376806	4.958	ug/L	100
34) Trichloroethene	6.534	95	102298	5.051	ug/L	92
35) Methylcyclohexane	6.756	83	133940	5.063	ug/L	99
37) 1,2-Dichloropropane	6.785	63	103385	4.889	ug/L	99
38) Bromodichloromethane	7.100	83	134069	4.915	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	148885	5.149	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	563930	52.337	ug/L	99
42) Toluene	7.962	91	400456	4.893	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	129653	5.142	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	76905	4.993	ug/L	99
47) Tetrachloroethene	8.547	164	71043	4.964	ug/L	97
48) 2-Hexanone	8.679	43	425980	53.621	ug/L	99
49) Dibromochloromethane	8.804	129	86738	4.945	ug/L	99
50) 1,2-Dibromoethane	8.917	107	70739	5.117	ug/L	100
51) Chlorobenzene	9.441	112	251519	5.056	ug/L	98
52) Ethylbenzene	9.563	91	424397	5.197	ug/L	99
53) m,p-Xylene	9.689	106	159412	5.126	ug/L	98
54) o-Xylene	10.094	106	154141	5.214	ug/L	99
55) Styrene	10.110	104	265810	5.340	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.775	83	94899	4.980	ug/L	93
59) Bromoform	10.287	173	49120	4.801	ug/L	99
60) Isopropylbenzene	10.479	105	417160	5.207	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	67157	4.923	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	322567	5.144	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	330335	5.299	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	198578	5.157	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	197174	5.031	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	184735	4.991	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	14567	4.856	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	139015	5.042	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	112528	5.144	ug/L	100
71) Naphthalene	14.081	128	187394	5.480	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	101959	5.347	ug/L	98

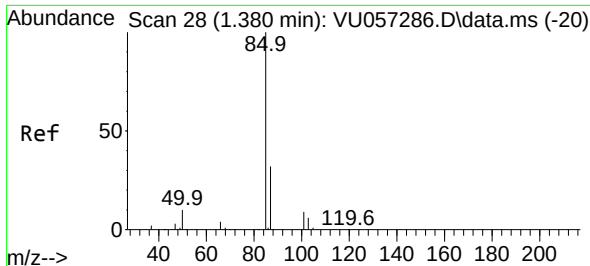
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Instrument :
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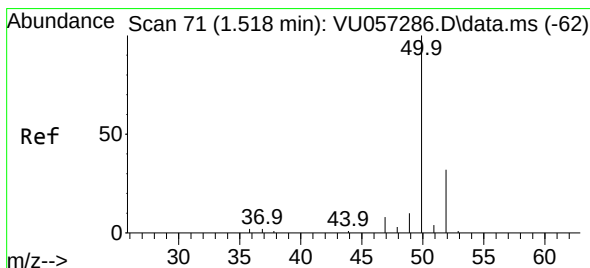
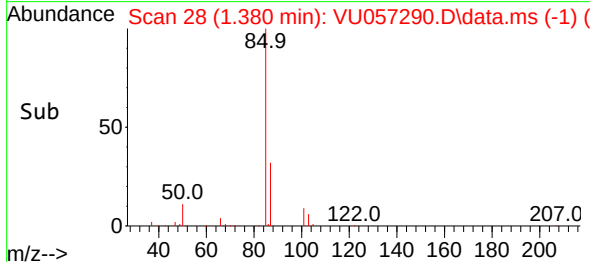
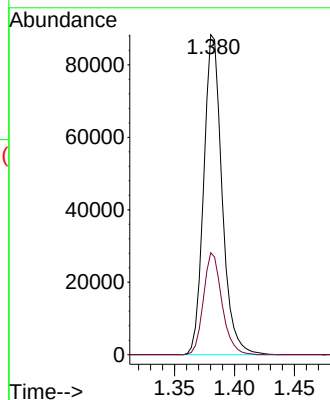
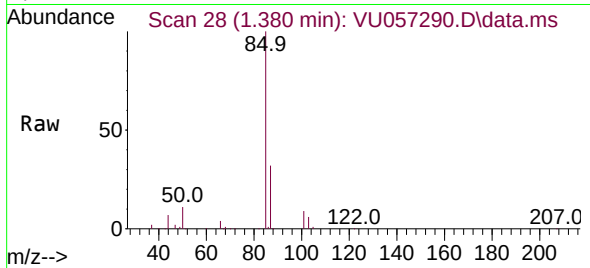




#2
 Dichlorodifluoromethane
 Concen: 4.723 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU057290.D
 Acq: 27 Dec 2023 19:26

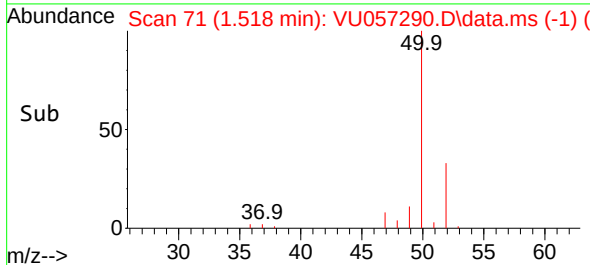
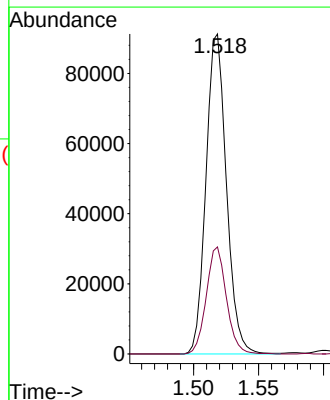
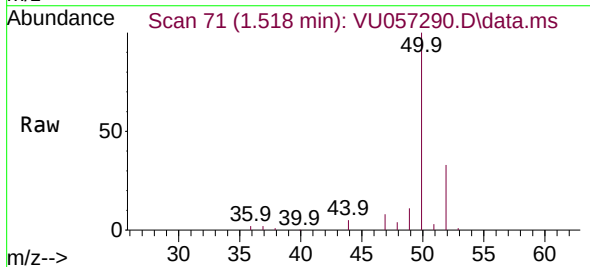
Instrument :
 MSVOA_U
 ClientSampleId :

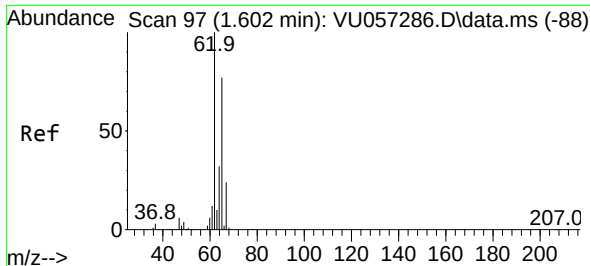
Tgt Ion: 85 Resp: 94031
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.9 38.9



#3
 Chloromethane
 Concen: 4.528 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057290.D
 Acq: 27 Dec 2023 19:26

Tgt Ion: 50 Resp: 99976
 Ion Ratio Lower Upper
 50 100
 52 33.5 22.5 41.7

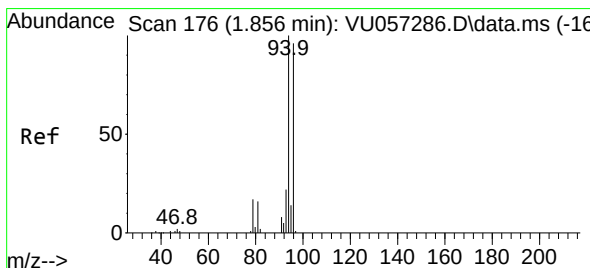
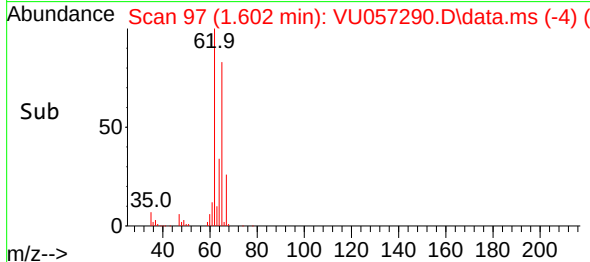
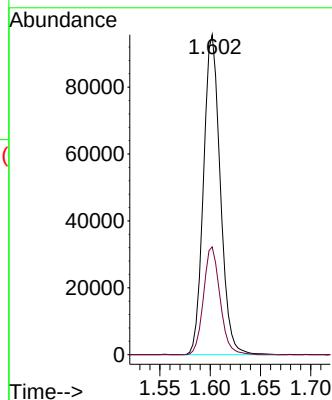
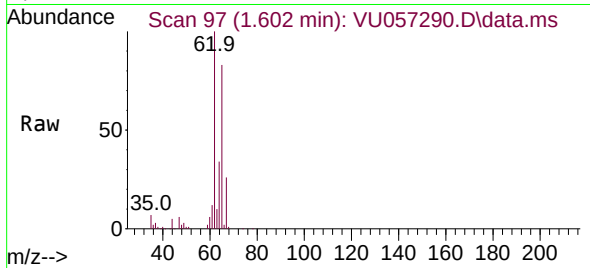




#5
 Vinyl chloride
 Concen: 4.855 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057290.D
 Acq: 27 Dec 2023 19:26

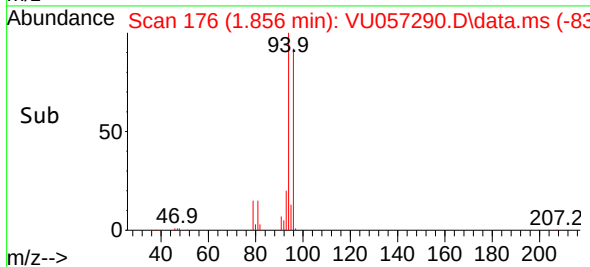
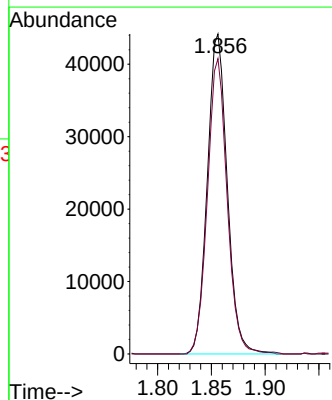
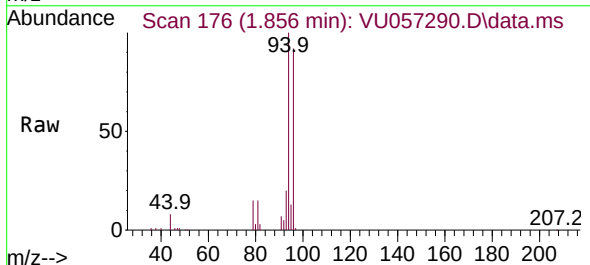
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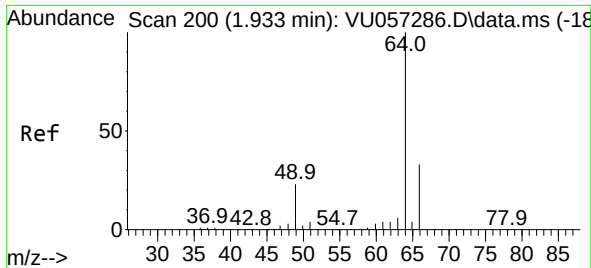
Tgt Ion: 62 Resp: 111160
 Ion Ratio Lower Upper
 62 100
 64 33.7 22.8 42.4



#6
 Bromomethane
 Concen: 5.264 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU057290.D
 Acq: 27 Dec 2023 19:26

Tgt Ion: 94 Resp: 56842
 Ion Ratio Lower Upper
 94 100
 96 92.3 67.3 125.1

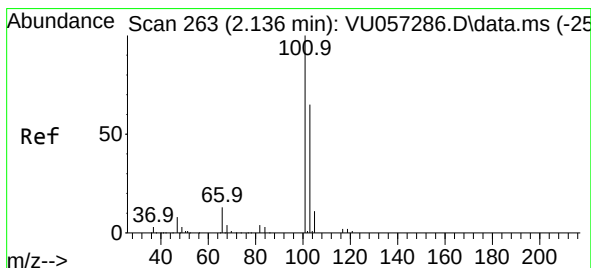
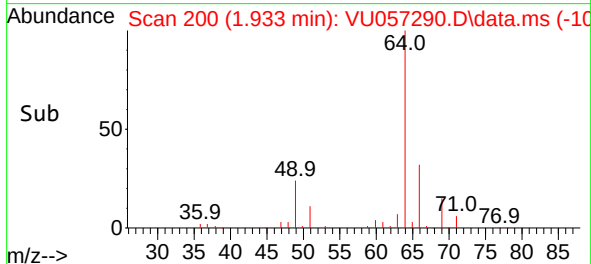
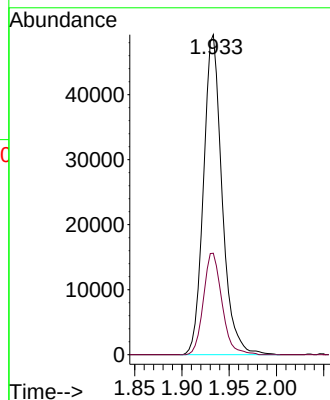
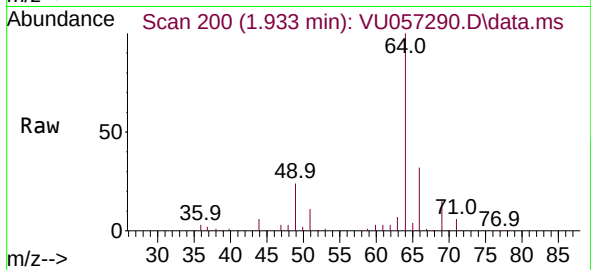




#8
Chloroethane
Concen: 4.531 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

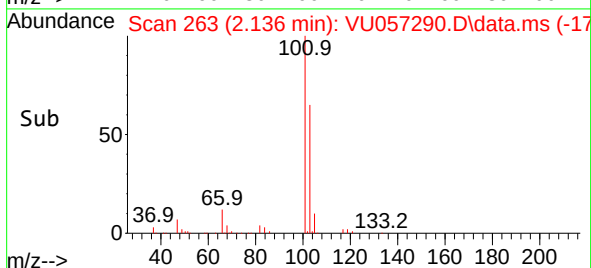
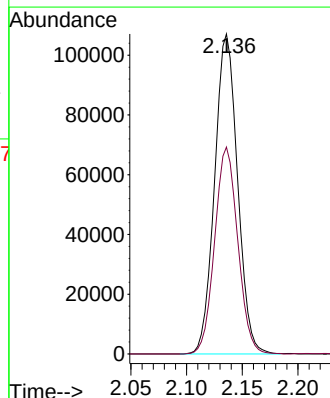
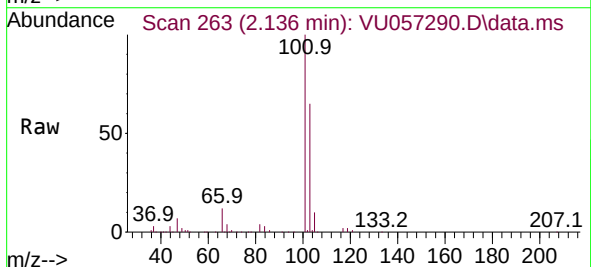
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ClientSampleId :

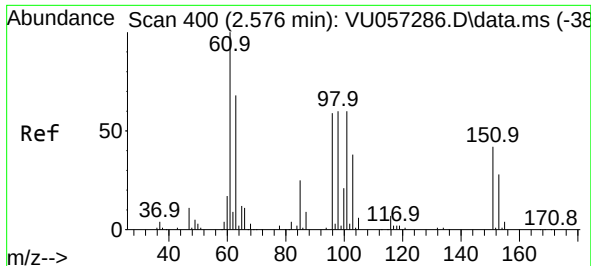
Tgt Ion: 64 Resp: 67253
Ion Ratio Lower Upper
64 100
66 31.7 23.3 43.3



#9
Trichlorofluoromethane
Concen: 4.651 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

Tgt Ion:101 Resp: 153427
Ion Ratio Lower Upper
101 100
103 65.1 52.2 78.2

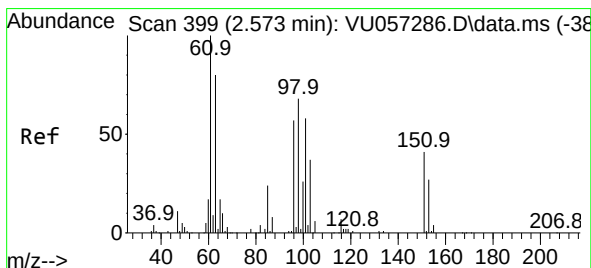
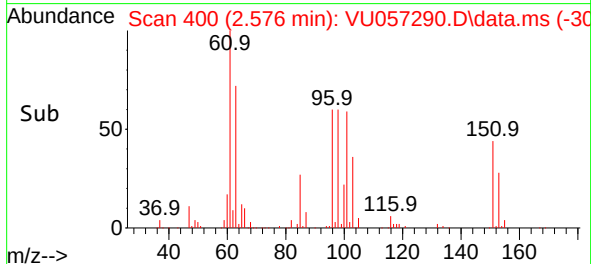
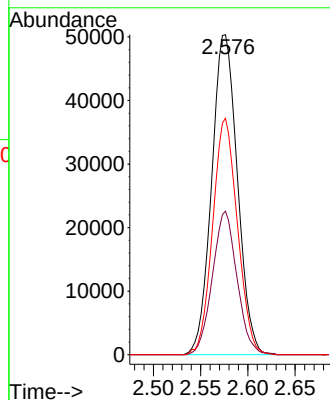
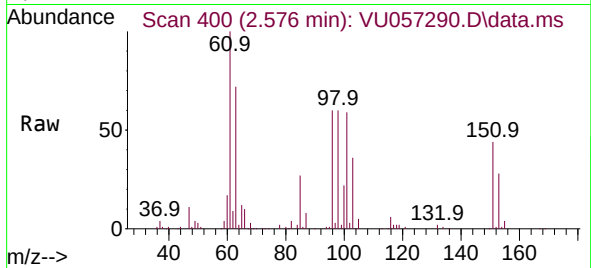




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.781 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

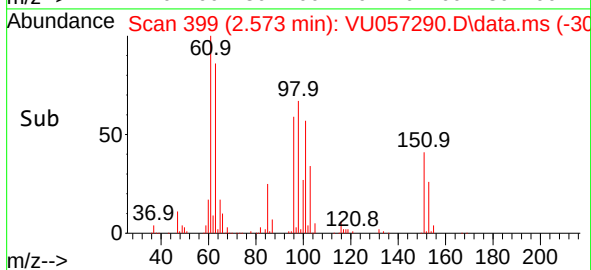
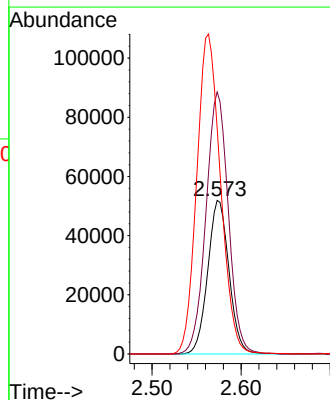
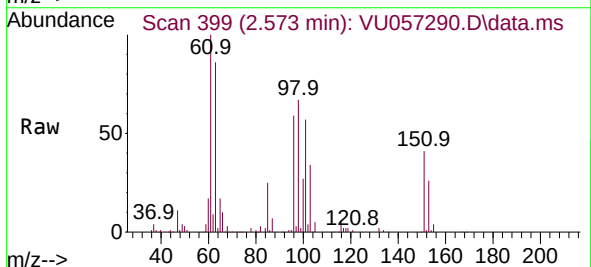
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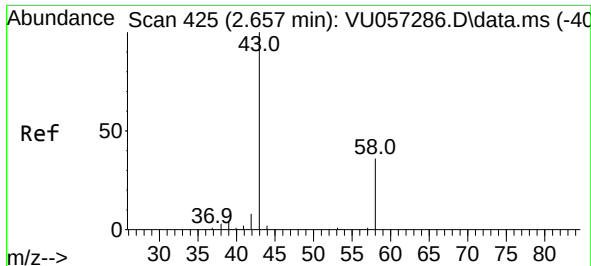
Tgt Ion:101 Resp: 95388
Ion Ratio Lower Upper
101 100
85 42.8 35.1 52.7
151 71.0 55.8 83.6



#12
1,1-Dichloroethene
Concen: 4.784 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

Tgt Ion: 96 Resp: 85759
Ion Ratio Lower Upper
96 100
61 170.6 122.2 226.9
63 147.1 99.2 184.2





#13

Acetone

Concen: 41.431 ug/L

RT: 2.660 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Instrument :

MSVOA_U

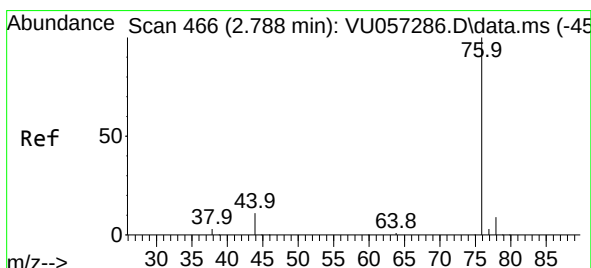
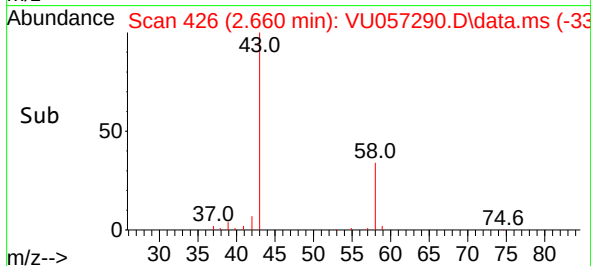
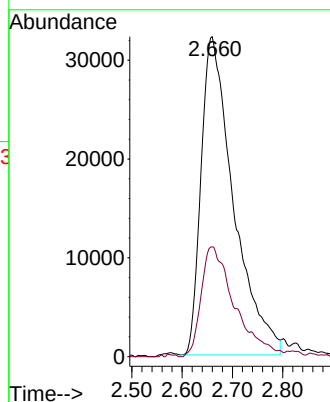
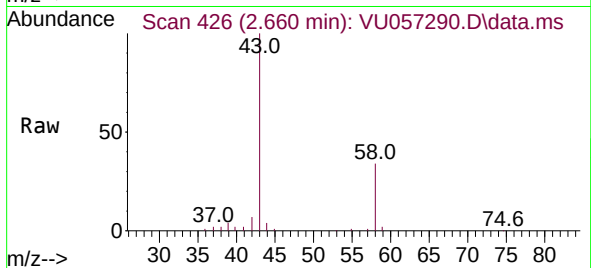
ClientSampleId :

Tgt Ion: 43 Resp: 144212

Ion Ratio Lower Upper

43 100

58 35.6 0.0 67.2



#14

Carbon disulfide

Concen: 4.683 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU057290.D

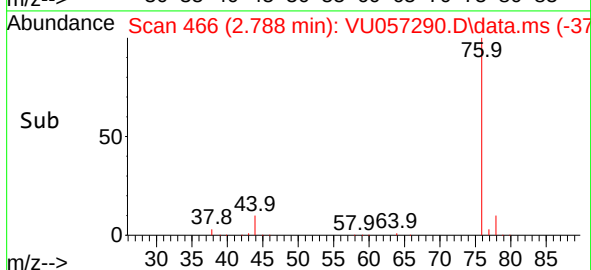
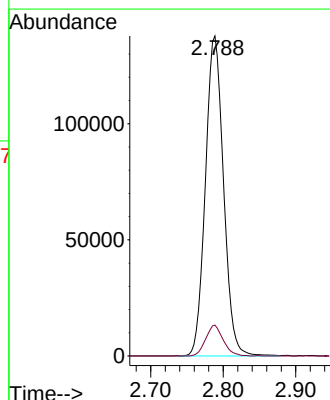
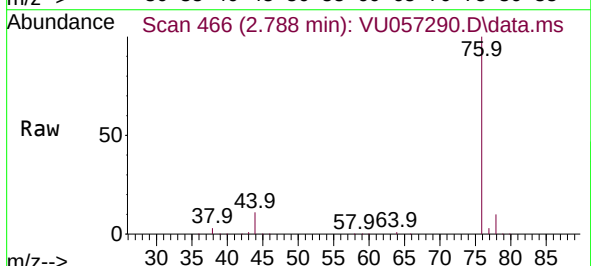
Acq: 27 Dec 2023 19:26

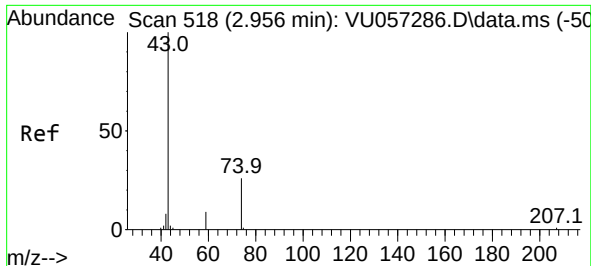
Tgt Ion: 76 Resp: 239410

Ion Ratio Lower Upper

76 100

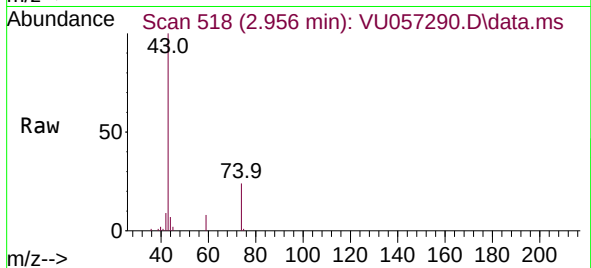
78 9.7 7.3 10.9



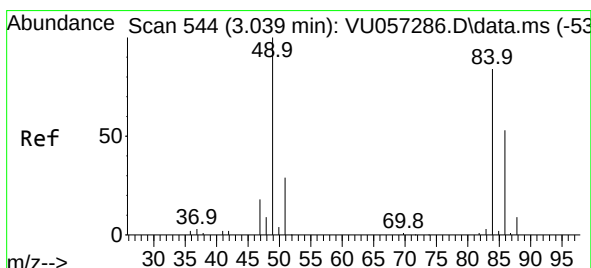
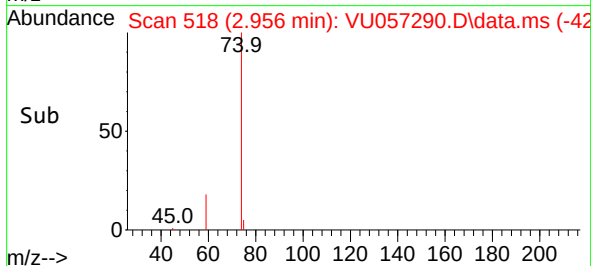
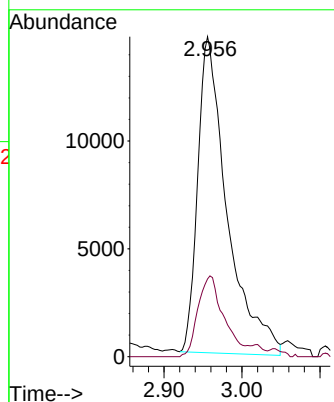


#15
Methyl Acetate
Concen: 4.855 ug/L
RT: 2.956 min Scan# 518
Delta R.T. -0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

Instrument :
MSVOA_U
ClientSampleId :

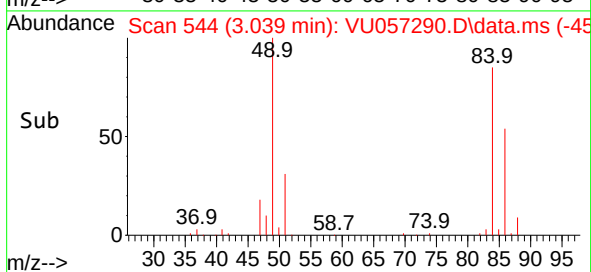
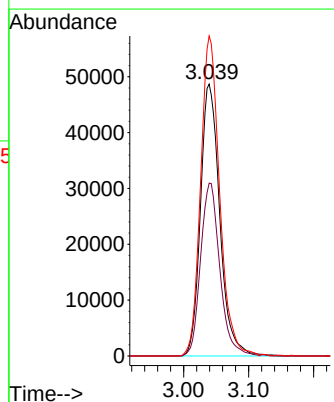
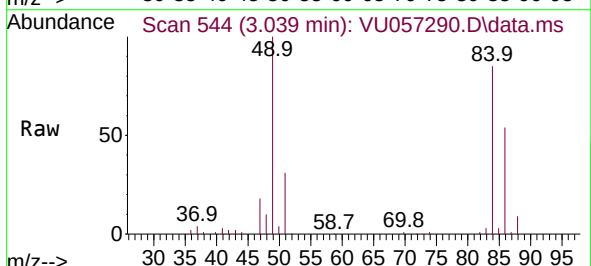


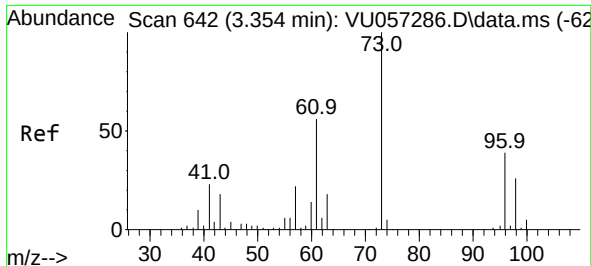
Tgt Ion: 43 Resp: 38481
Ion Ratio Lower Upper
43 100
74 22.8 20.5 30.7



#16
Methylene chloride
Concen: 4.352 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

Tgt Ion: 84 Resp: 100681
Ion Ratio Lower Upper
84 100
86 63.6 43.8 81.3
49 117.7 83.2 154.4

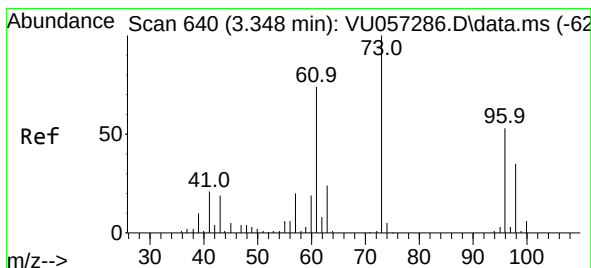
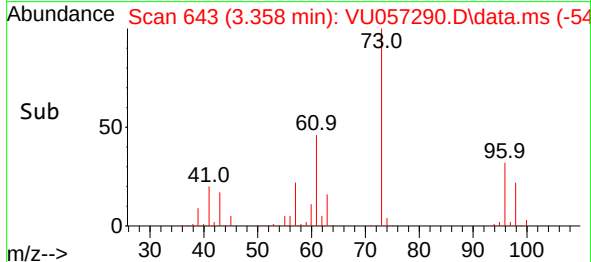
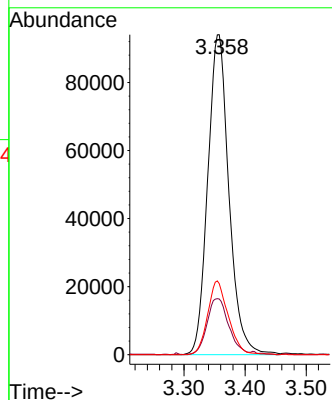
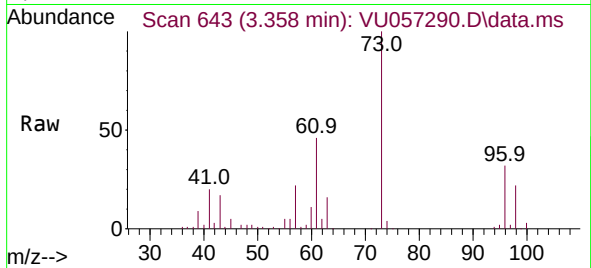




#17
Methyl tert-butyl Ether
Concen: 4.998 ug/L
RT: 3.358 min Scan# 64
Delta R.T. 0.003 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

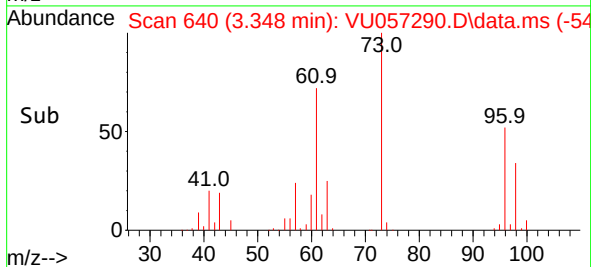
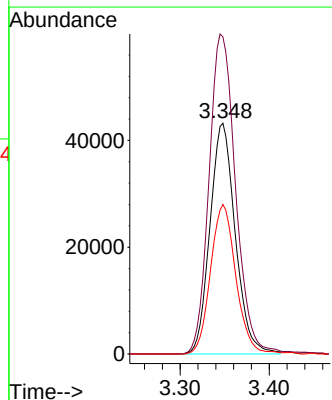
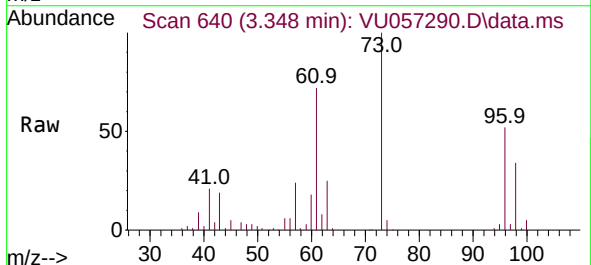
Instrument :
MSVOA_U
ClientSampleId :

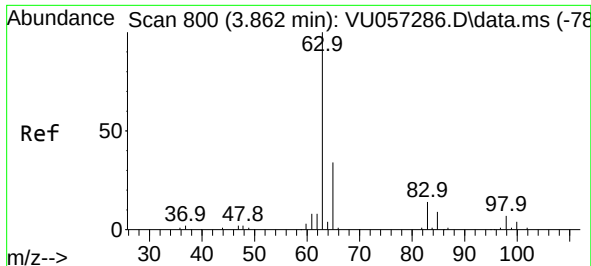
Tgt Ion: 73 Resp: 226199
Ion Ratio Lower Upper
73 100
43 18.1 15.2 22.8
57 22.5 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.794 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

Tgt Ion: 96 Resp: 85283
Ion Ratio Lower Upper
96 100
61 137.4 97.5 181.1
98 64.7 45.9 85.3





#19

1,1-Dichloroethane

Concen: 4.736 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Instrument :

MSVOA_U

ClientSampleId :

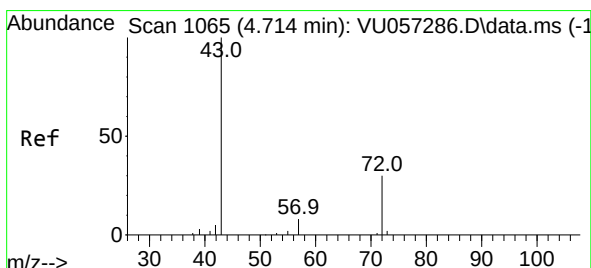
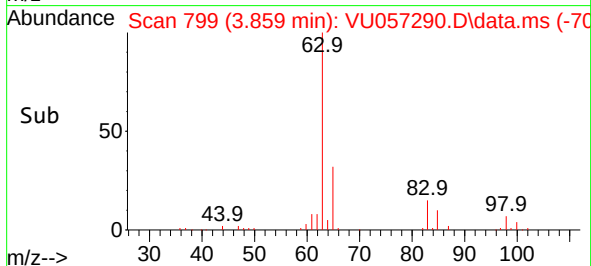
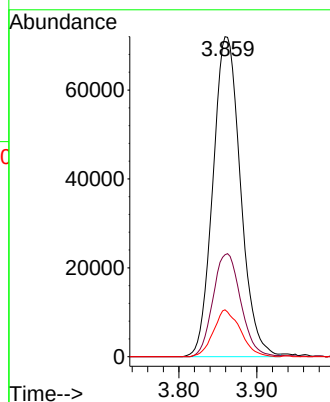
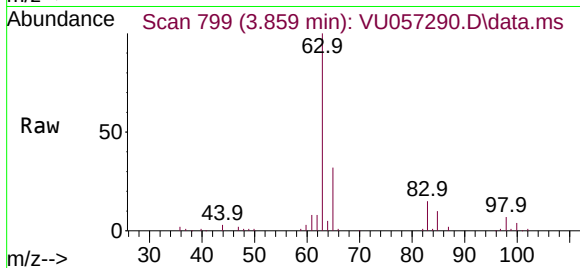
Tgt Ion: 63 Resp: 177052

Ion Ratio Lower Upper

63 100

65 31.9 23.6 43.8

83 14.6 9.8 18.2



#21

2-Butanone

Concen: 47.569 ug/L

RT: 4.718 min Scan# 1066

Delta R.T. 0.003 min

Lab File: VU057290.D

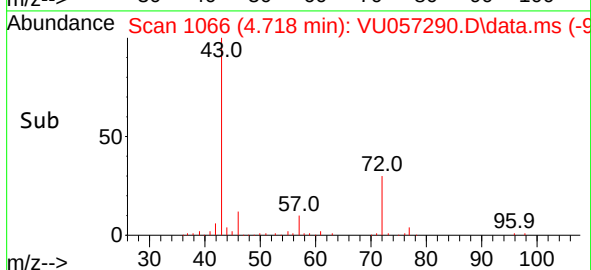
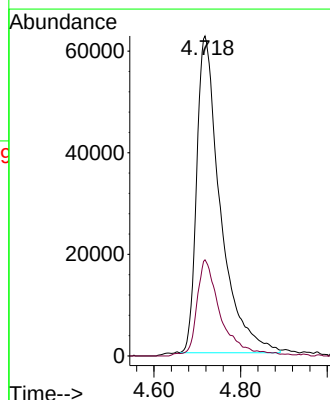
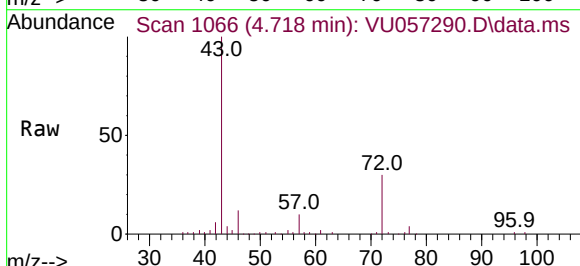
Acq: 27 Dec 2023 19:26

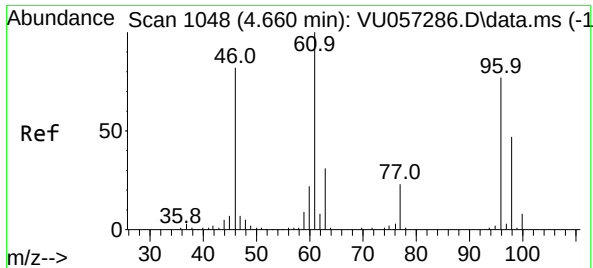
Tgt Ion: 43 Resp: 236488

Ion Ratio Lower Upper

43 100

72 29.5 14.3 42.9

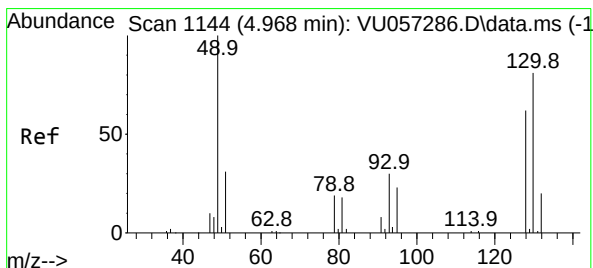
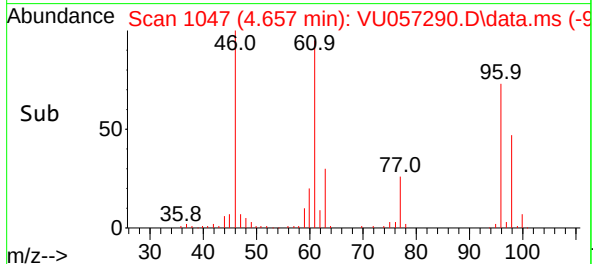
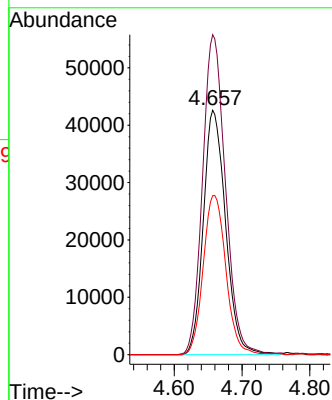
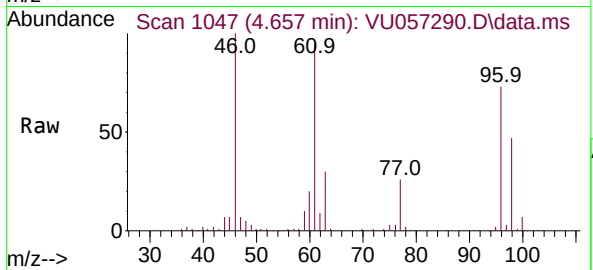




#22
 cis-1,2-Dichloroethene
 Concen: 4.741 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU057290.D
 Acq: 27 Dec 2023 19:26

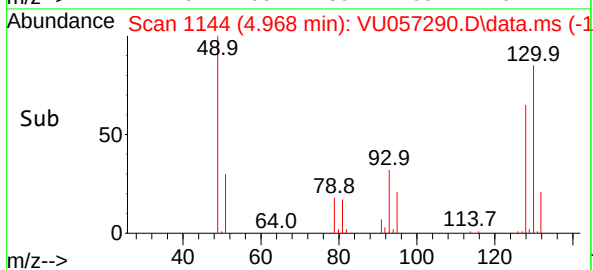
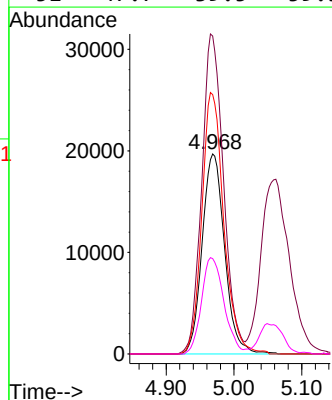
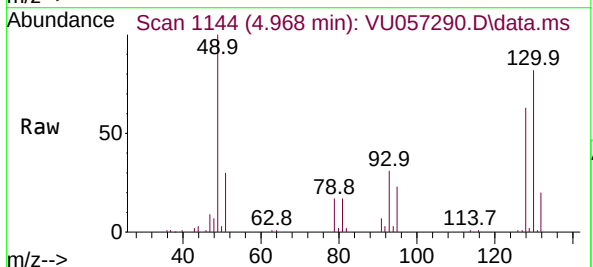
Instrument :
 MSVOA_U
 ClientSampleId :

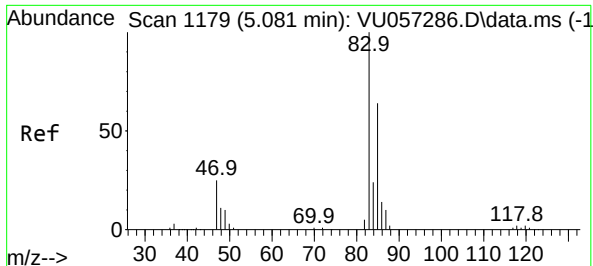
Tgt Ion: 96 Resp: 97488
 Ion Ratio Lower Upper
 96 100
 61 130.9 91.1 169.3
 98 65.1 42.6 79.0



#23
 Bromochloromethane
 Concen: 4.930 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU057290.D
 Acq: 27 Dec 2023 19:26

Tgt Ion: 128 Resp: 45315
 Ion Ratio Lower Upper
 128 100
 49 159.0 113.1 210.1
 130 129.7 91.6 170.2
 51 47.7 39.5 59.3





#25

Chloroform

Concen: 4.752 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Instrument :

MSVOA_U

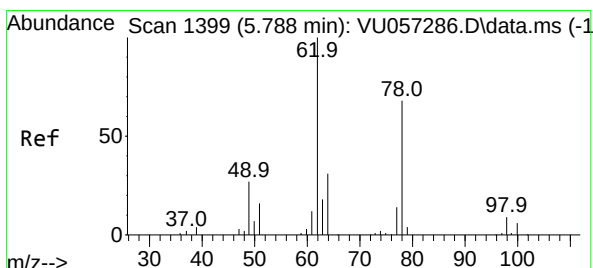
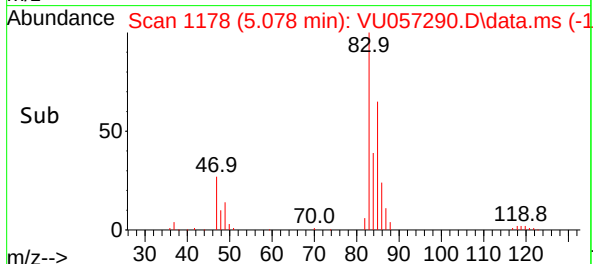
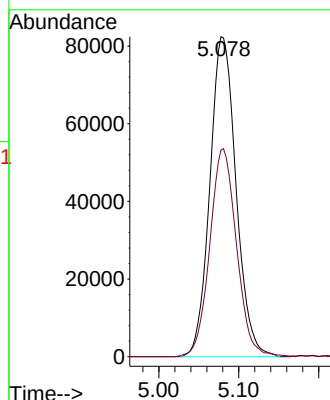
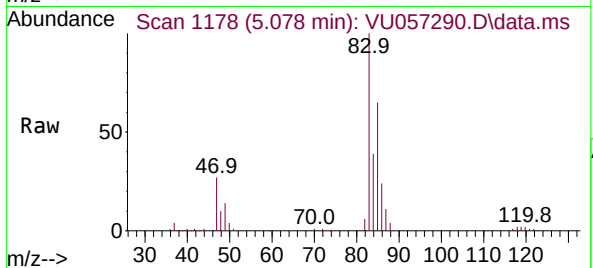
ClientSampleId :

Tgt Ion: 83 Resp: 187382

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.7



#27

1,2-Dichloroethane

Concen: 4.703 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU057290.D

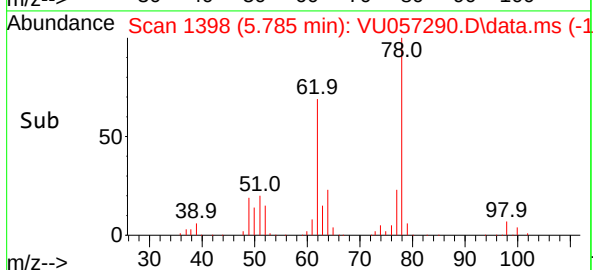
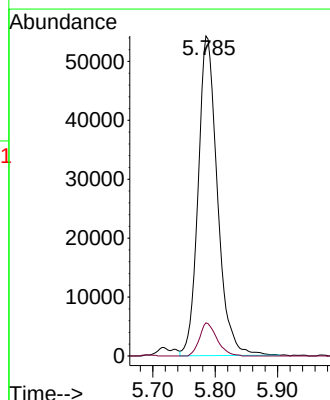
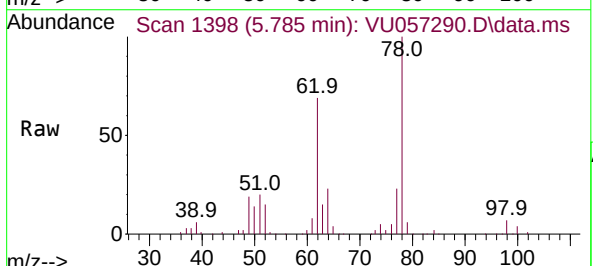
Acq: 27 Dec 2023 19:26

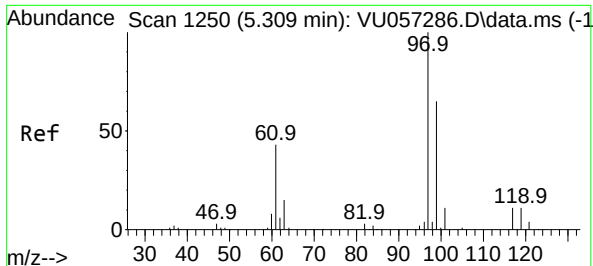
Tgt Ion: 62 Resp: 116205

Ion Ratio Lower Upper

62 100

98 10.3 7.0 10.6

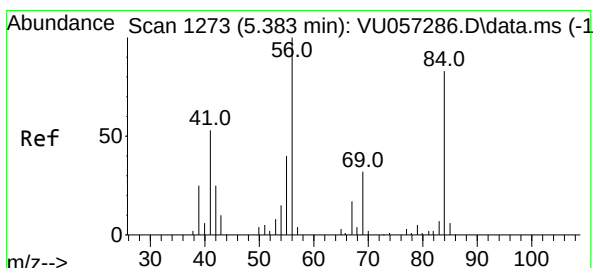
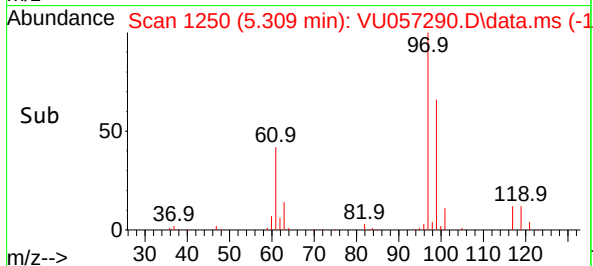
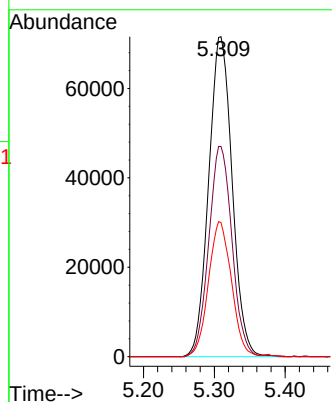
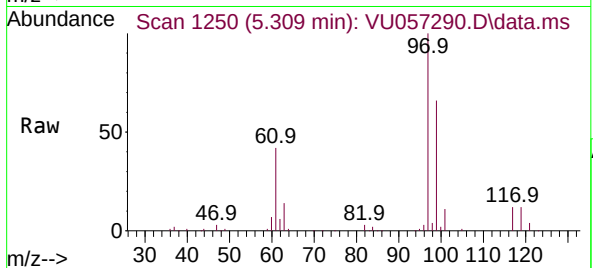




#29
1,1,1-Trichloroethane
Concen: 4.929 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

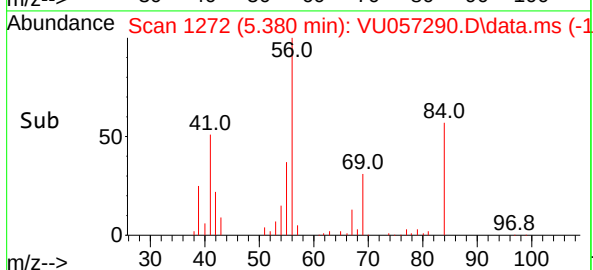
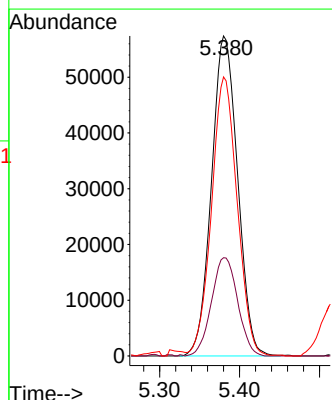
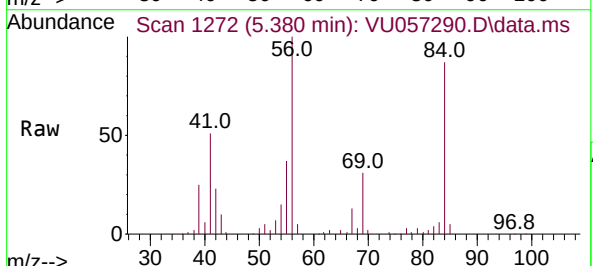
Instrument :
MSVOA_U
ClientSampleId :

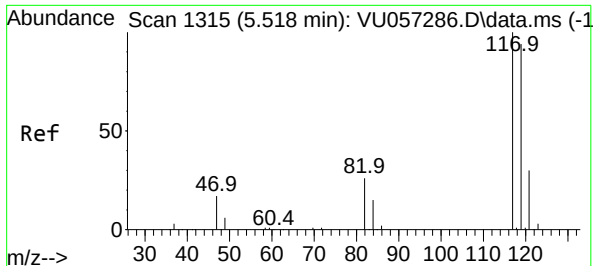
Tgt Ion: 97 Resp: 164731
Ion Ratio Lower Upper
97 100
99 65.0 51.7 77.5
61 41.3 34.1 51.1



#30
Cyclohexane
Concen: 5.223 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

Tgt Ion: 56 Resp: 130193
Ion Ratio Lower Upper
56 100
69 30.8 26.2 39.4
84 85.1 69.4 104.2

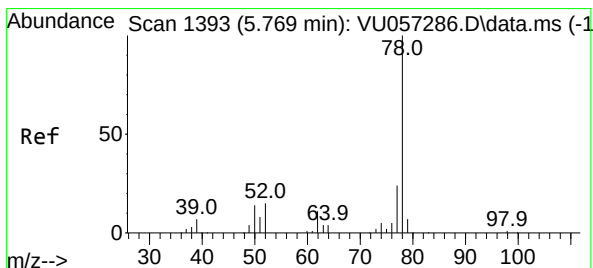
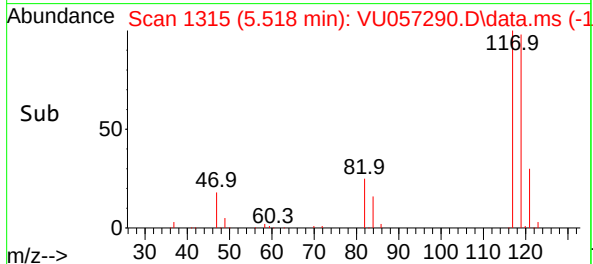
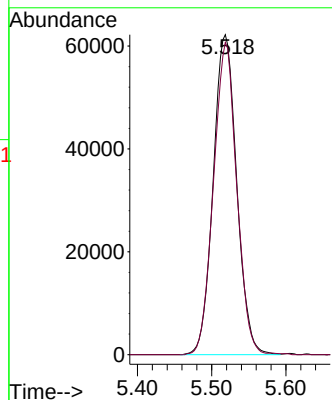
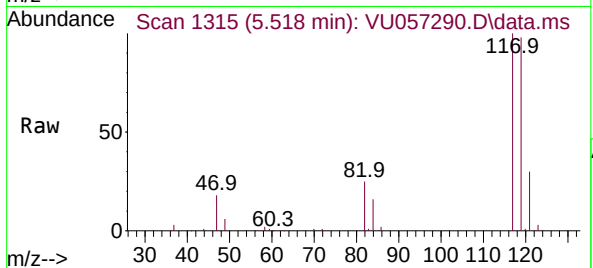




#31
Carbon tetrachloride
Concen: 4.880 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

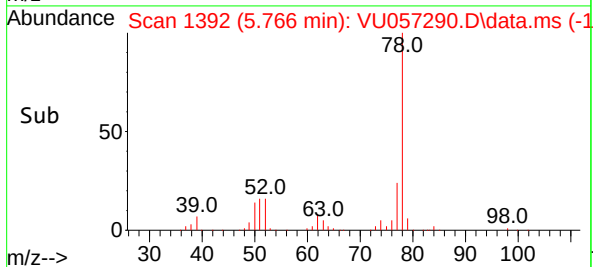
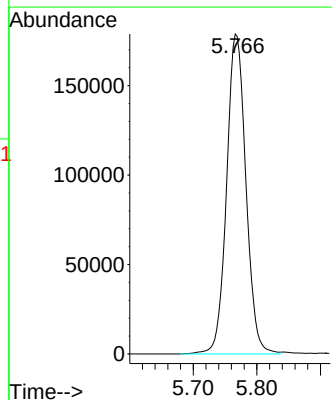
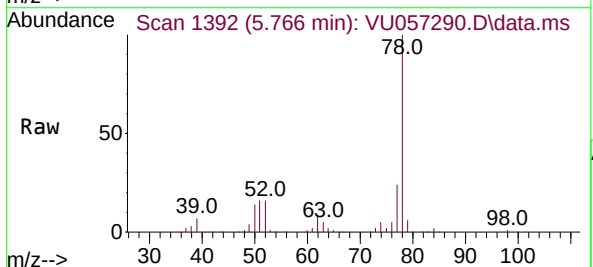
Instrument :
MSVOA_U
ClientSampleId :

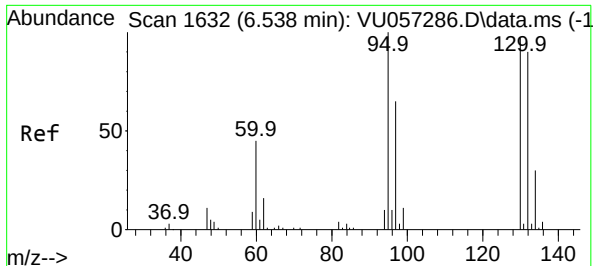
Tgt Ion:117 Resp: 136799
Ion Ratio Lower Upper
117 100
119 96.3 76.7 115.1



#33
Benzene
Concen: 4.958 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

Tgt Ion: 78 Resp: 376806

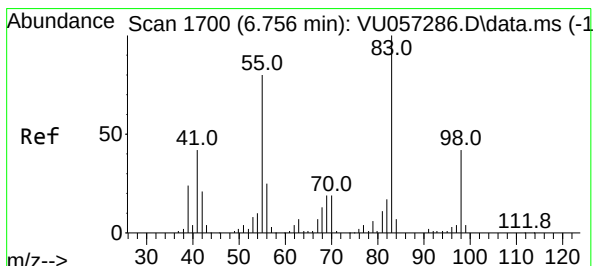
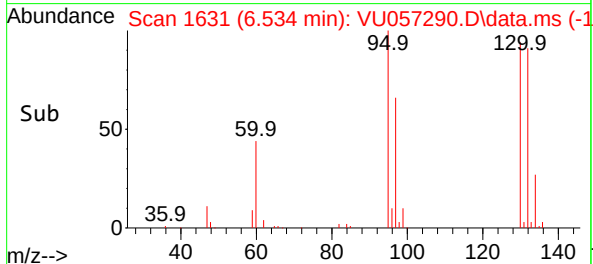
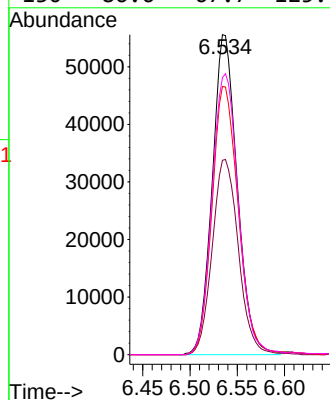
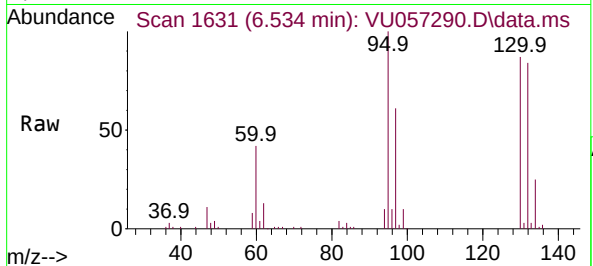




#34
Trichloroethene
Concen: 5.051 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

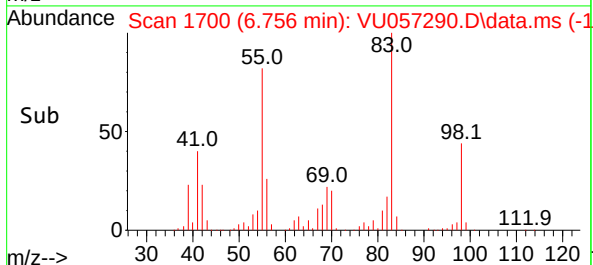
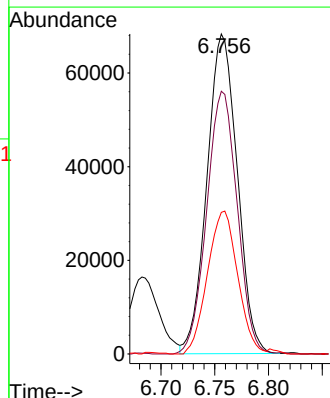
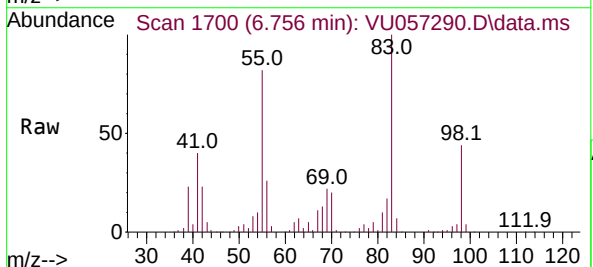
Instrument :
MSVOA_U
ClientSampleId :

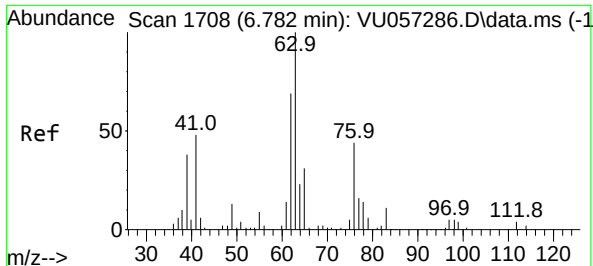
Tgt Ion: 95 Resp: 102298
Ion Ratio Lower Upper
95 100
97 60.8 45.3 84.1
132 83.8 63.1 117.3
130 86.6 67.7 125.7



#35
Methylcyclohexane
Concen: 5.063 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

Tgt Ion: 83 Resp: 133940
Ion Ratio Lower Upper
83 100
55 82.7 65.4 98.2
98 44.5 35.3 52.9





#37

1,2-Dichloropropane

Concen: 4.889 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Instrument :

MSVOA_U

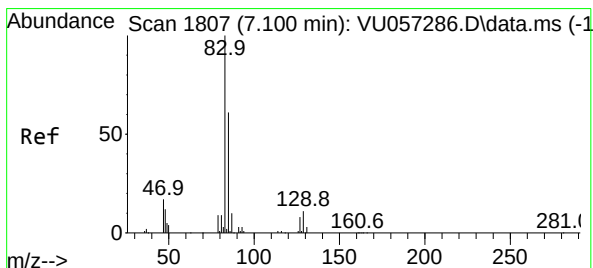
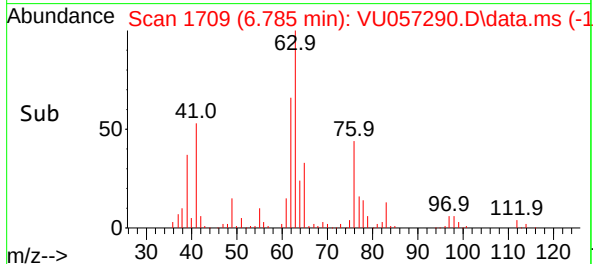
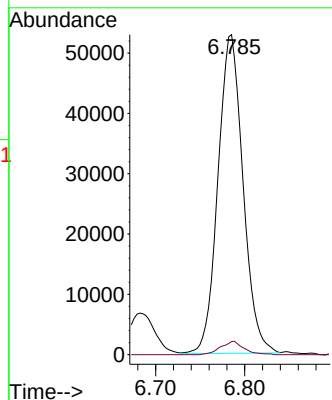
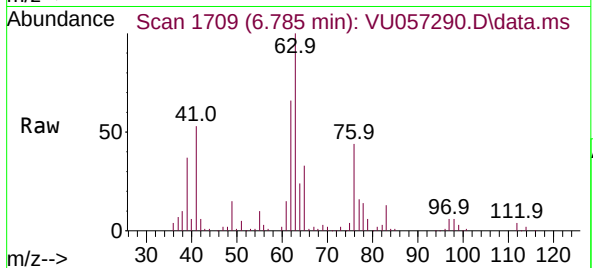
ClientSampleId :

Tgt Ion: 63 Resp: 103385

Ion Ratio Lower Upper

63 100

112 3.9 2.9 4.3



#38

Bromodichloromethane

Concen: 4.915 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

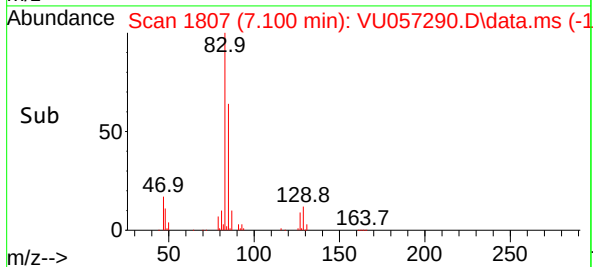
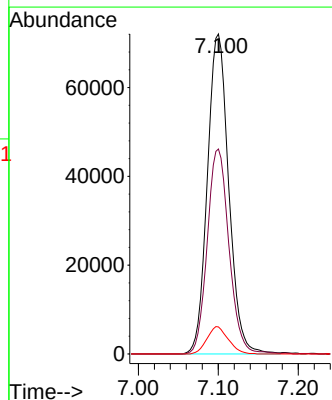
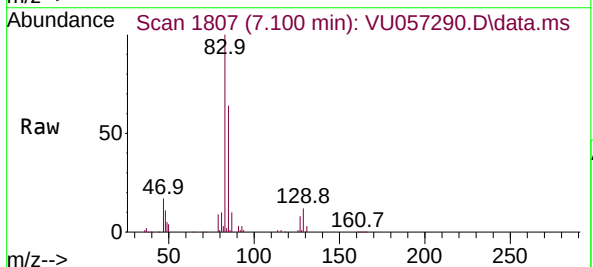
Tgt Ion: 83 Resp: 134069

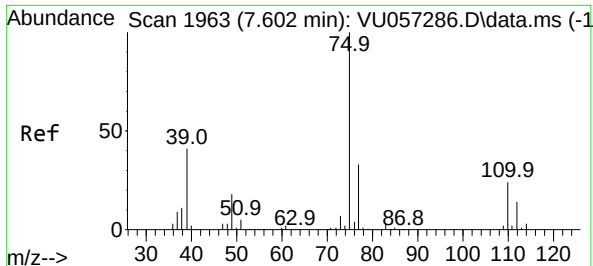
Ion Ratio Lower Upper

83 100

85 64.1 42.6 79.0

127 8.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.149 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Instrument :

MSVOA_U

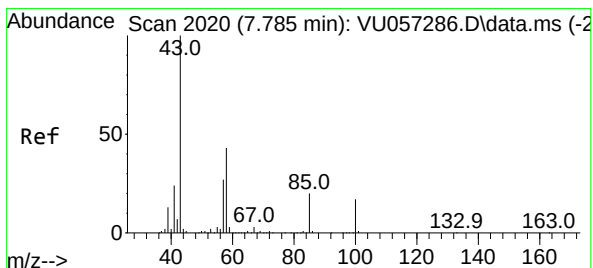
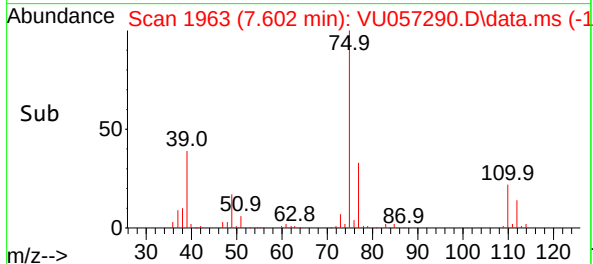
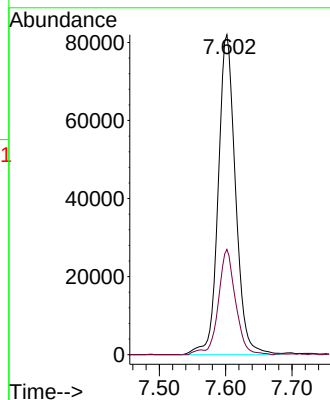
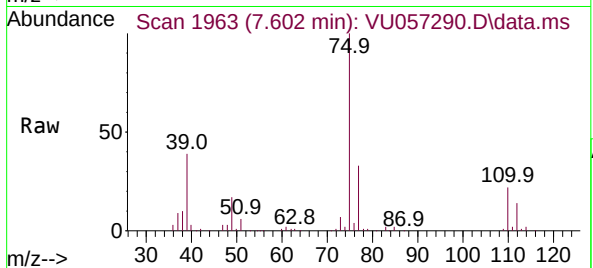
ClientSampleId :

Tgt Ion: 75 Resp: 148885

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 52.337 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

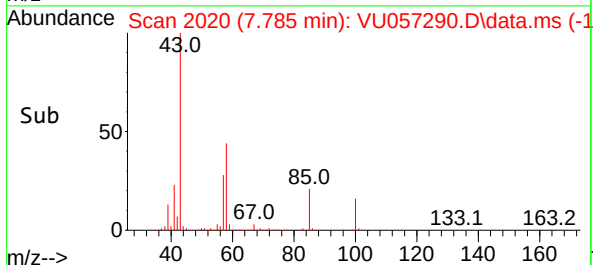
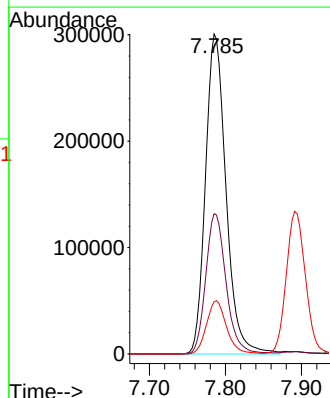
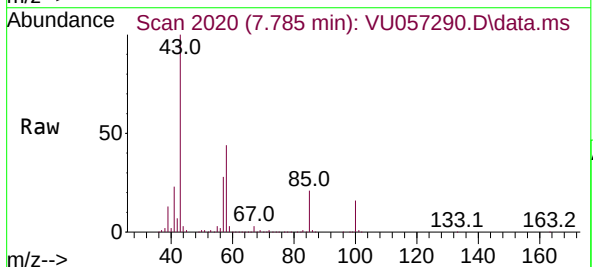
Tgt Ion: 43 Resp: 563930

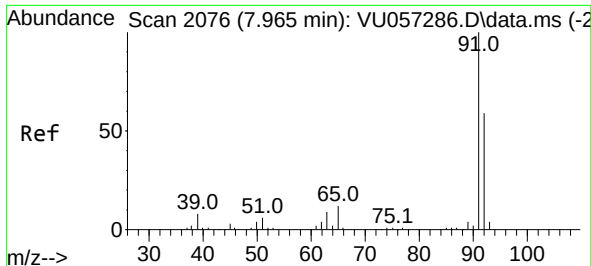
Ion Ratio Lower Upper

43 100

58 43.5 34.4 51.6

100 16.3 13.2 19.8





#42

Toluene

Concen: 4.893 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Instrument :

MSVOA_U

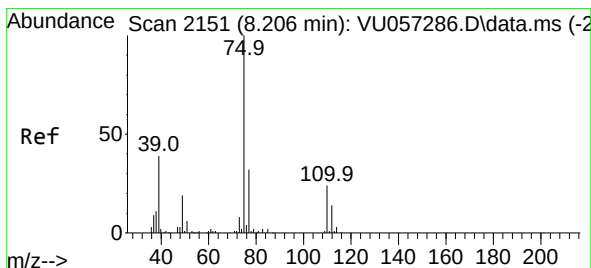
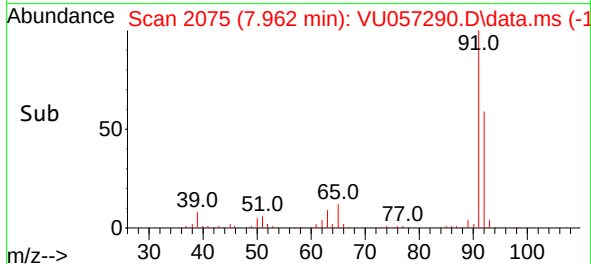
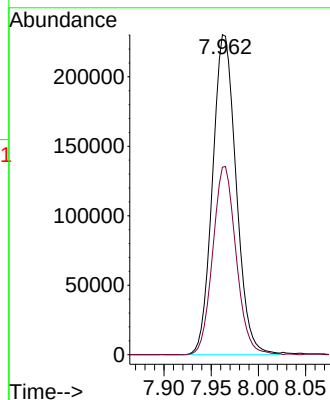
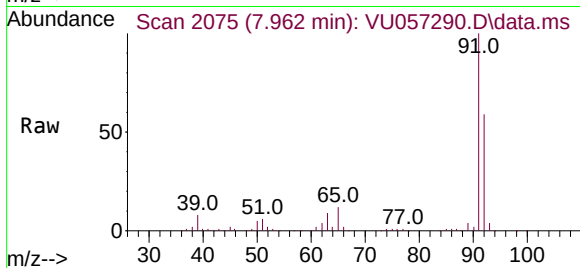
ClientSampleId :

Tgt Ion: 91 Resp: 400456

Ion Ratio Lower Upper

91 100

92 58.6 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 5.142 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU057290.D

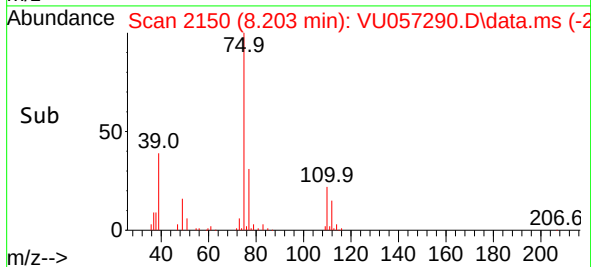
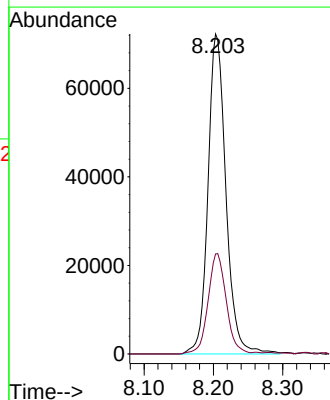
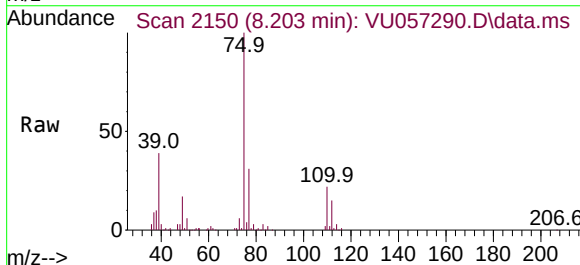
Acq: 27 Dec 2023 19:26

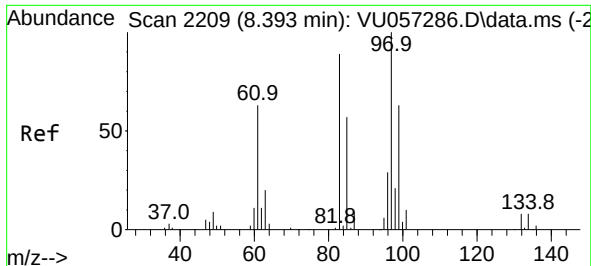
Tgt Ion: 75 Resp: 129653

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.9

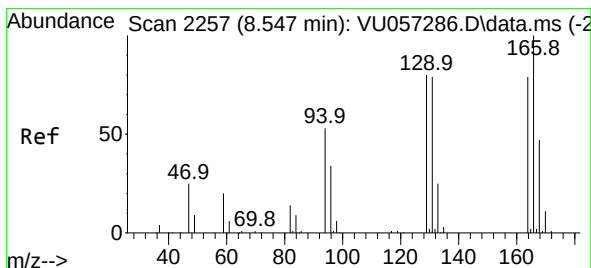
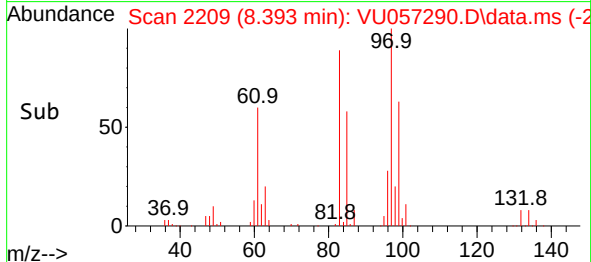
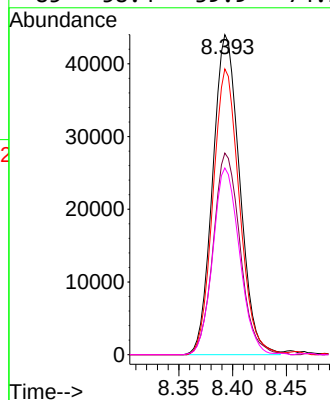
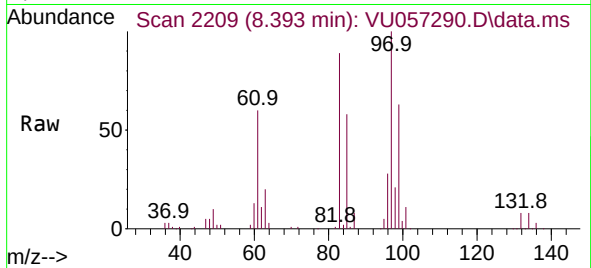




#45
1,1,2-Trichloroethane
Concen: 4.993 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

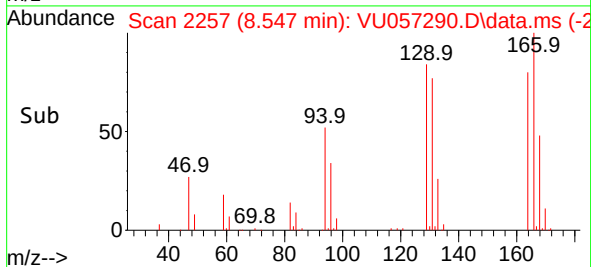
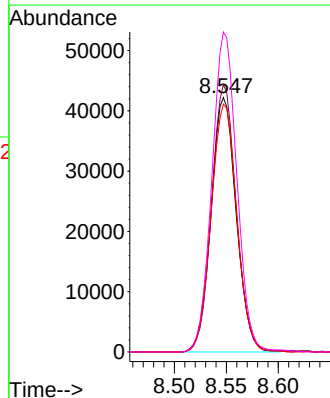
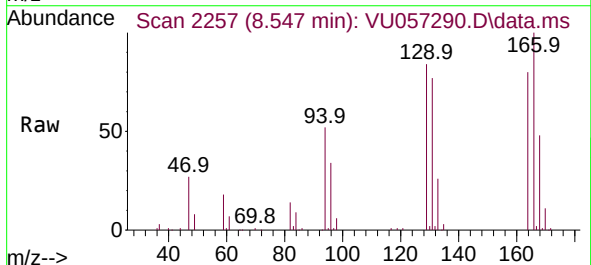
Instrument :
MSVOA_U
ClientSampleId :

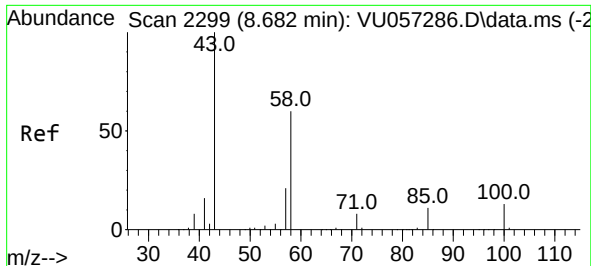
Tgt Ion:	97	Resp:	76905
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.0	81.8
83	89.3	62.3	115.7
85	58.4	39.9	74.1



#47
Tetrachloroethene
Concen: 4.964 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

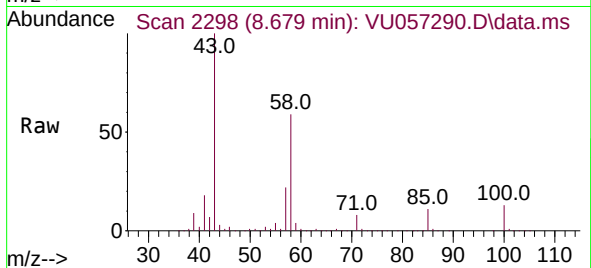
Tgt Ion:	164	Resp:	71043
Ion	Ratio	Lower	Upper
164	100		
129	105.0	71.3	132.5
131	97.4	70.7	131.3
166	125.8	89.1	165.5



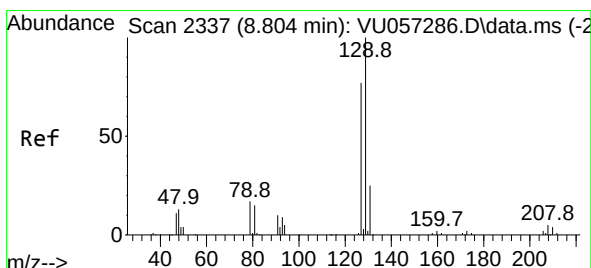
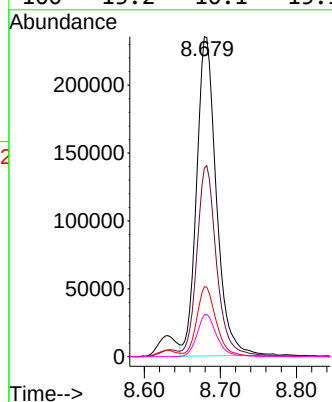
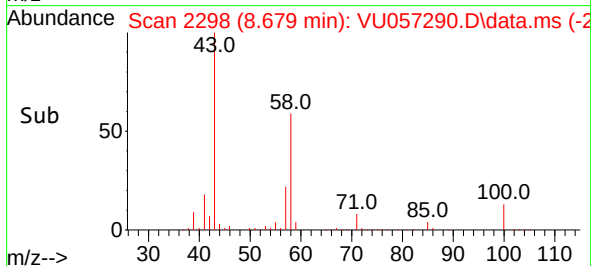


#48
2-Hexanone
Concen: 53.621 ug/L
RT: 8.679 min Scan# 2299
Delta R.T. -0.003 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

Instrument :
MSVOA_U
ClientSampleId :

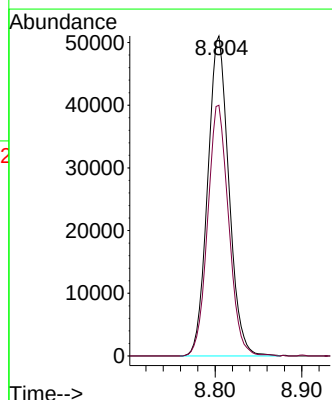
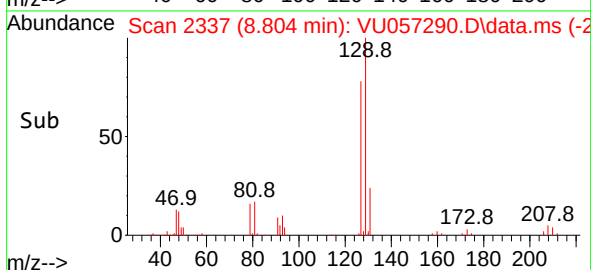
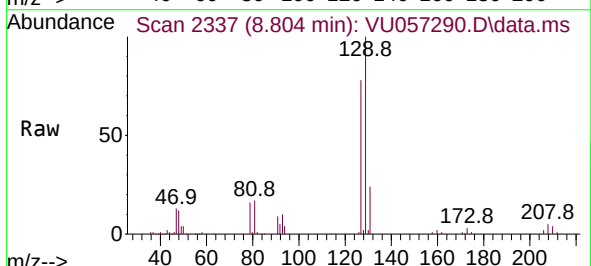


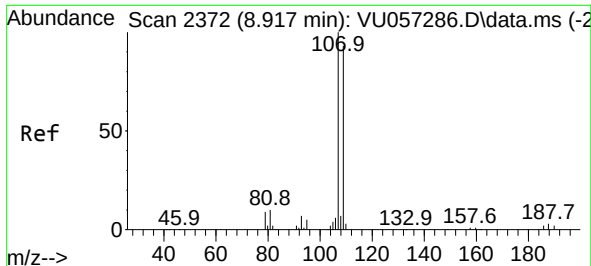
Tgt Ion: 43 Resp: 425980
Ion Ratio Lower Upper
43 100
58 59.6 48.4 72.6
57 21.2 17.4 26.2
100 13.2 10.1 15.1



#49
Dibromochloromethane
Concen: 4.945 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

Tgt Ion:129 Resp: 86738
Ion Ratio Lower Upper
129 100
127 78.4 54.2 100.6





#50

1,2-Dibromoethane

Concen: 5.117 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.000 min

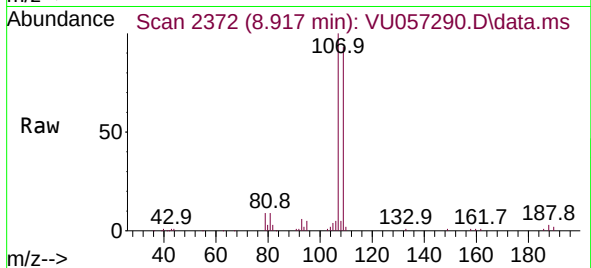
Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Instrument :

MSVOA_U

ClientSampleId :



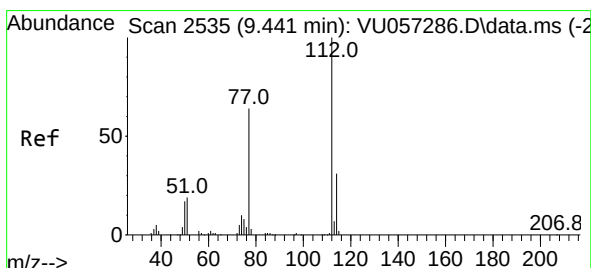
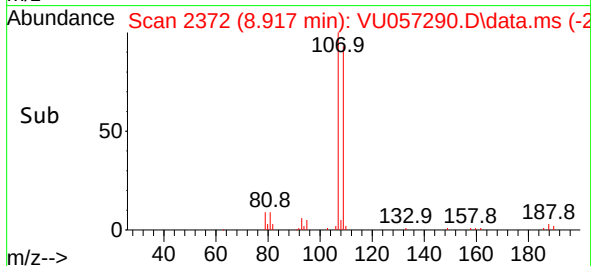
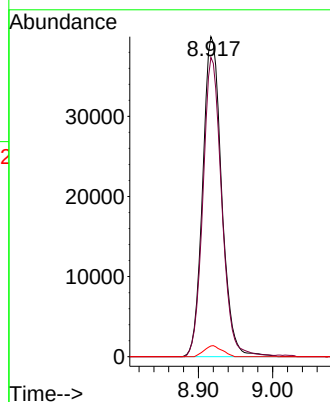
Tgt Ion:107 Resp: 70739

Ion Ratio Lower Upper

107 100

109 93.5 65.2 121.2

188 3.3 2.3 3.5



#51

Chlorobenzene

Concen: 5.056 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

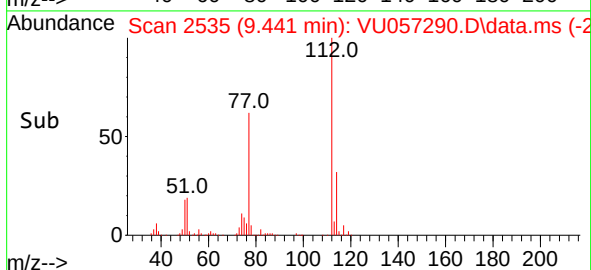
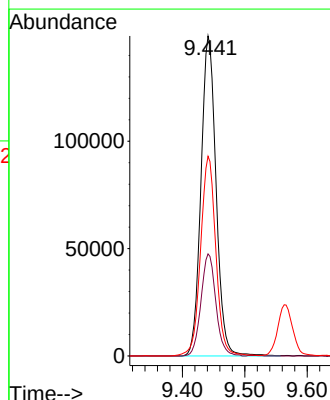
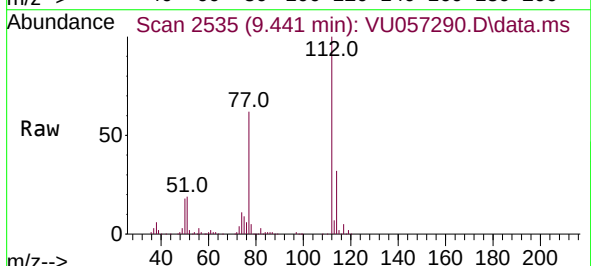
Tgt Ion:112 Resp: 251519

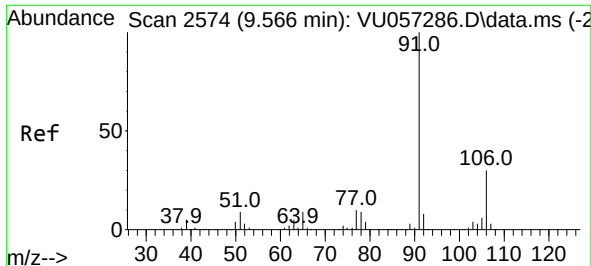
Ion Ratio Lower Upper

112 100

114 31.9 21.8 40.4

77 62.4 51.2 76.8





#52

Ethylbenzene

Concen: 5.197 ug/L

RT: 9.563 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Instrument :

MSVOA_U

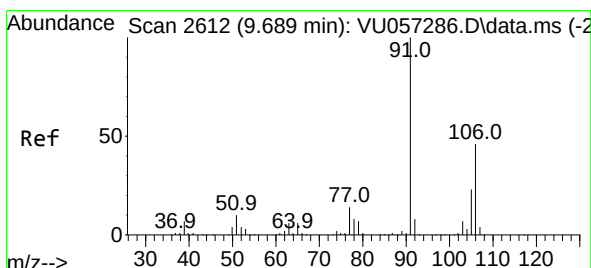
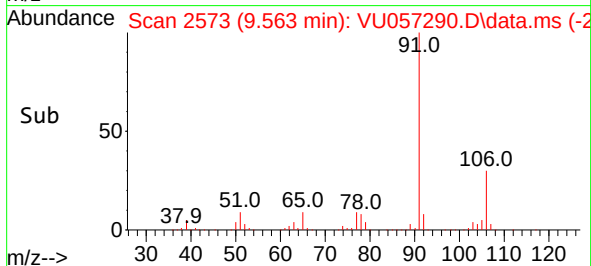
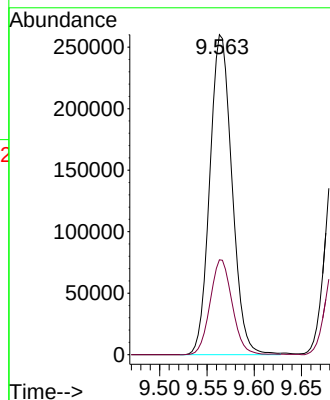
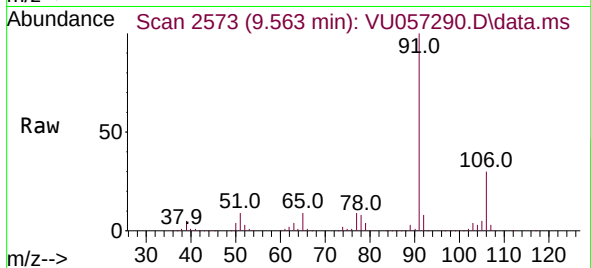
ClientSampleId :

Tgt Ion: 91 Resp: 424397

Ion Ratio Lower Upper

91 100

106 29.7 21.1 39.3



#53

m,p-Xylene

Concen: 5.126 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU057290.D

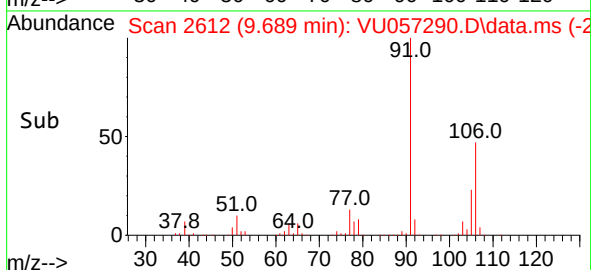
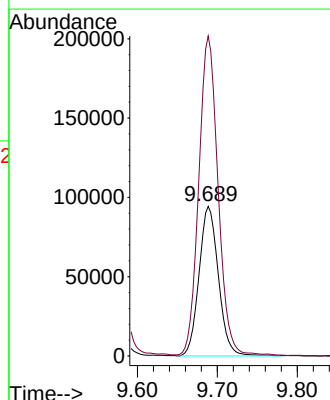
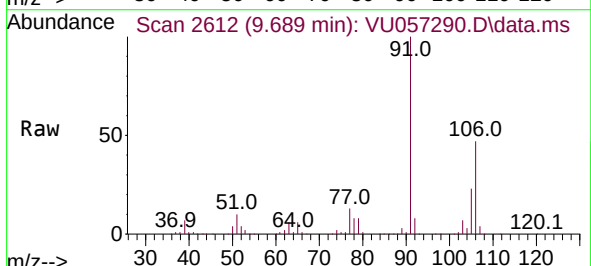
Acq: 27 Dec 2023 19:26

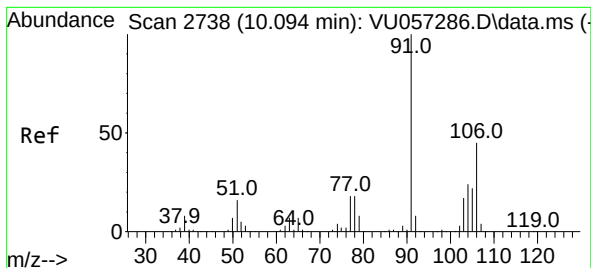
Tgt Ion:106 Resp: 159412

Ion Ratio Lower Upper

106 100

91 213.8 151.5 281.5





#54

o-Xylene

Concen: 5.214 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Instrument :

MSVOA_U

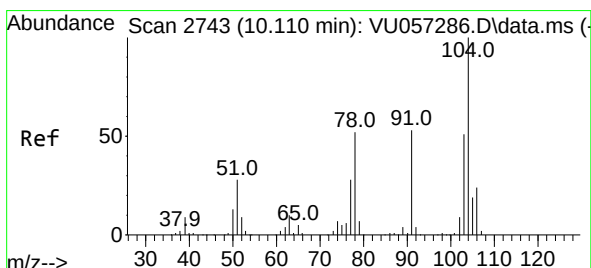
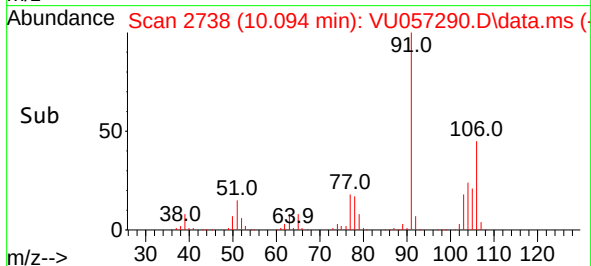
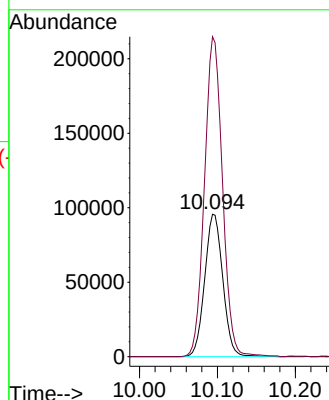
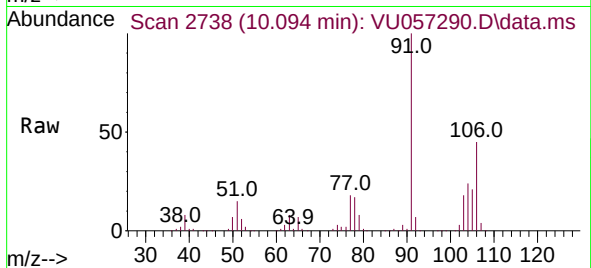
ClientSampleId :

Tgt Ion:106 Resp: 154141

Ion Ratio Lower Upper

106 100

91 224.6 156.0 289.8



#55

Styrene

Concen: 5.340 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU057290.D

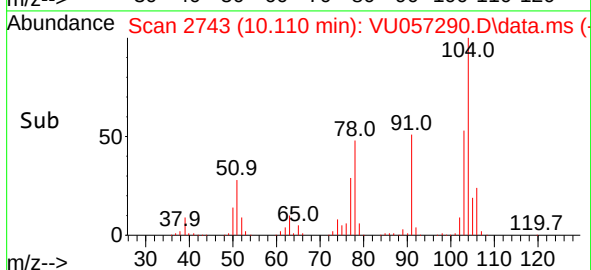
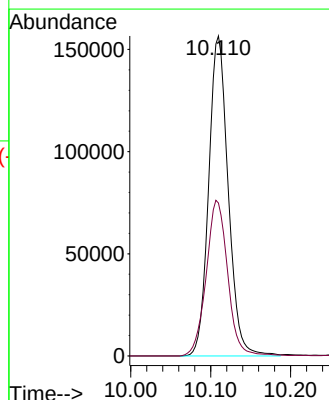
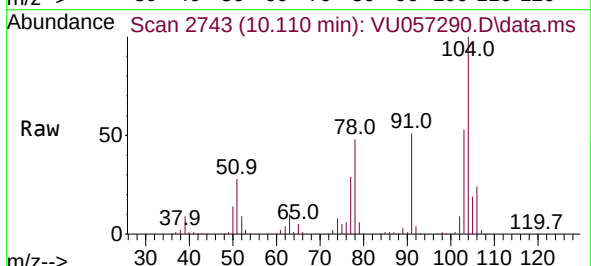
Acq: 27 Dec 2023 19:26

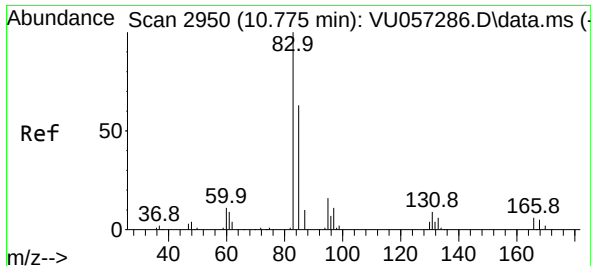
Tgt Ion:104 Resp: 265810

Ion Ratio Lower Upper

104 100

78 47.8 36.3 67.3

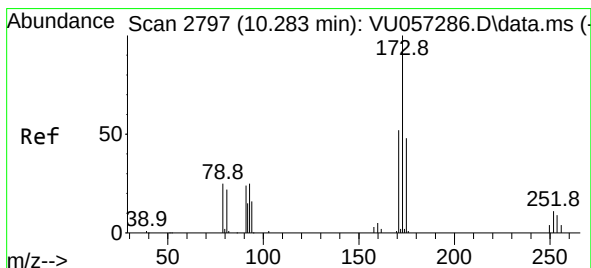
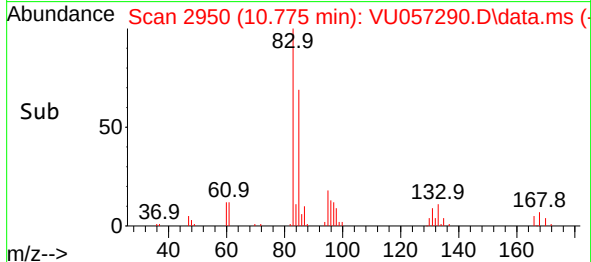
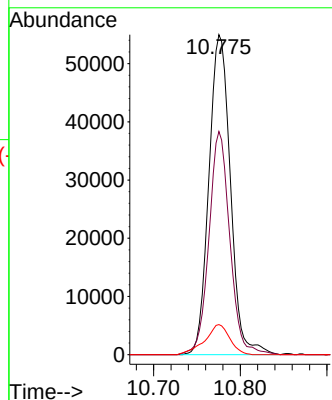
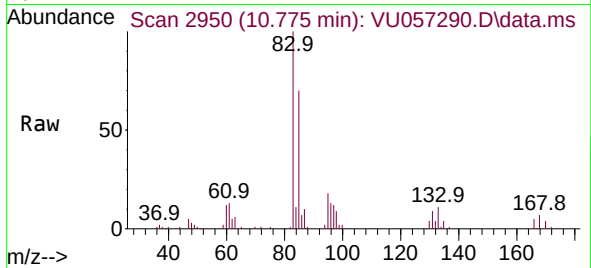




#57
1,1,2,2-Tetrachloroethane
Concen: 4.980 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

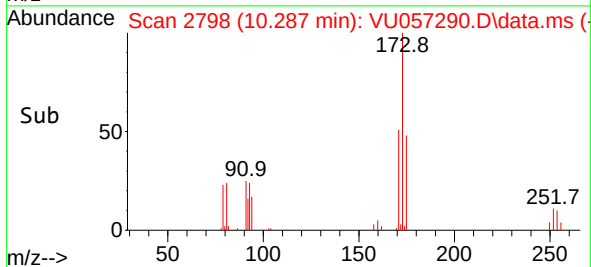
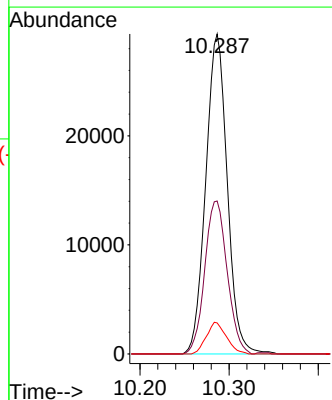
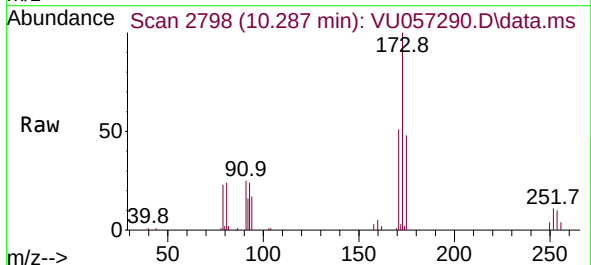
Instrument :
MSVOA_U
ClientSampleId :

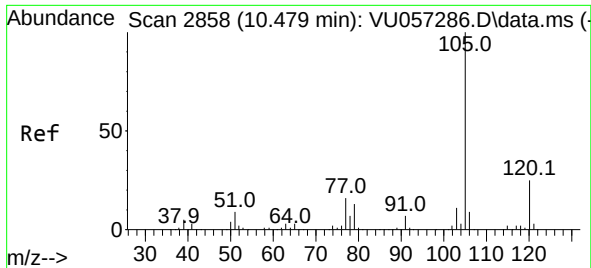
Tgt Ion: 83 Resp: 94899
Ion Ratio Lower Upper
83 100
85 69.7 44.7 83.1
131 9.4 7.7 11.5



#59
Bromoform
Concen: 4.801 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.003 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

Tgt Ion:173 Resp: 49120
Ion Ratio Lower Upper
173 100
175 49.9 40.2 60.2
254 9.3 6.8 10.2

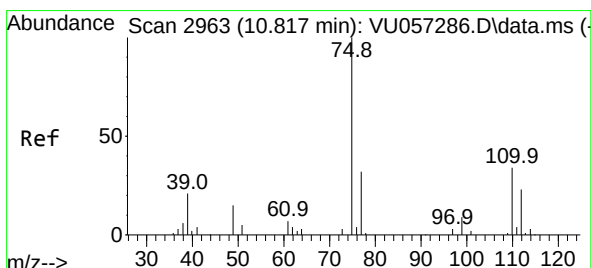
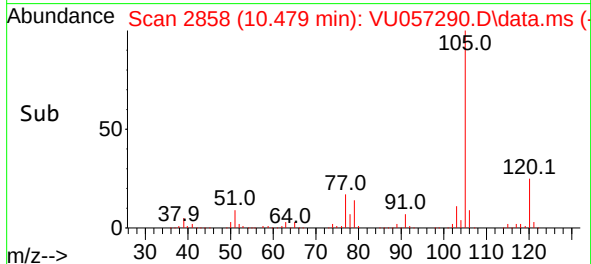
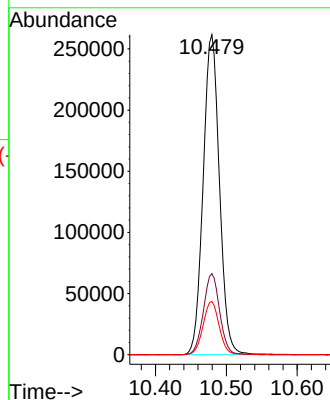
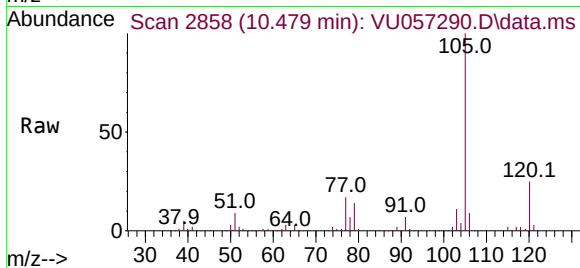




#60
Isopropylbenzene
Concen: 5.207 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

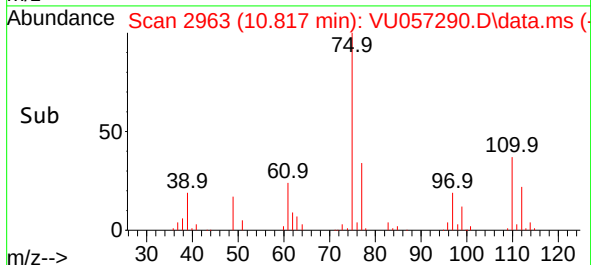
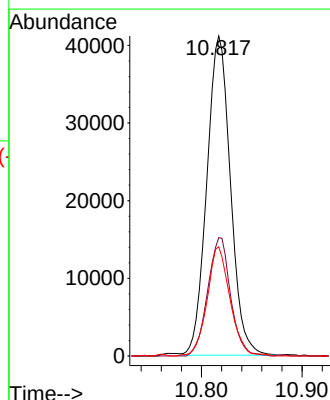
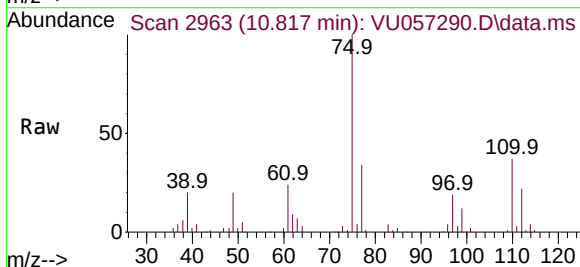
Instrument :
MSVOA_U
ClientSampleId :

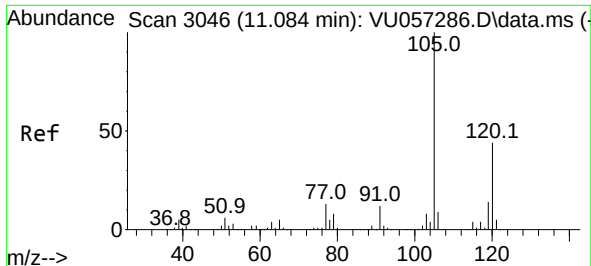
Tgt Ion:105 Resp: 417160
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.4
77 16.6 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.923 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

Tgt Ion: 75 Resp: 67157
Ion Ratio Lower Upper
75 100
110 35.8 29.0 43.6
77 33.2 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 5.144 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Instrument :

MSVOA_U

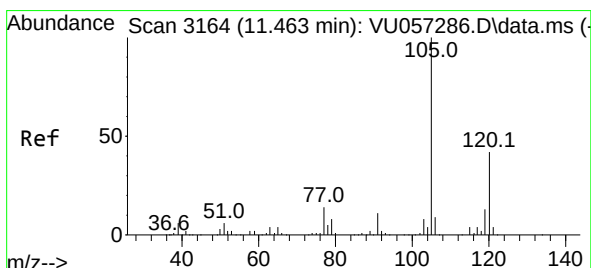
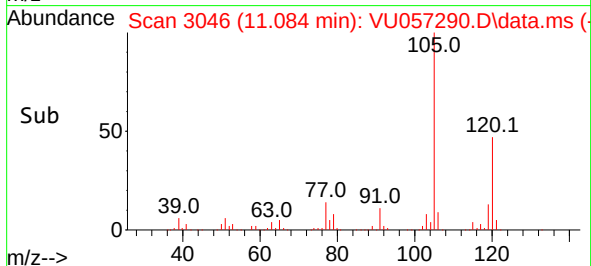
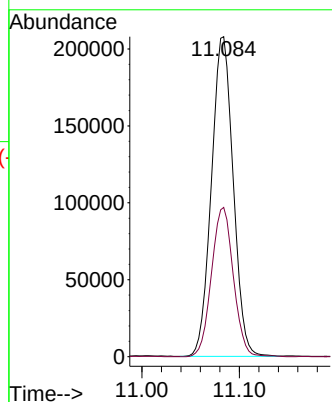
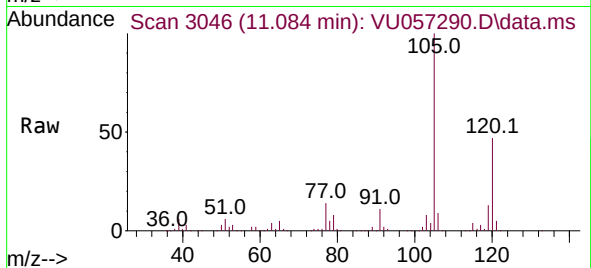
ClientSampleId :

Tgt Ion:105 Resp: 322567

Ion Ratio Lower Upper

105 100

120 46.9 36.0 54.0



#63

1,2,4-Trimethylbenzene

Concen: 5.299 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057290.D

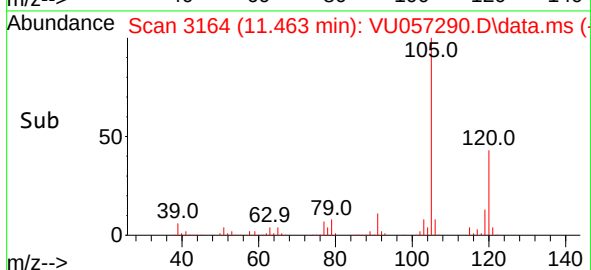
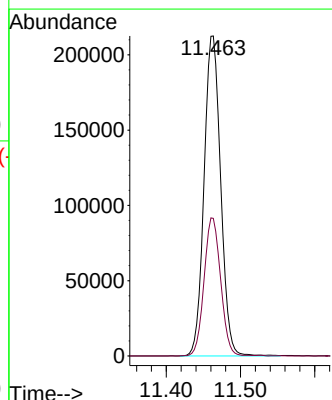
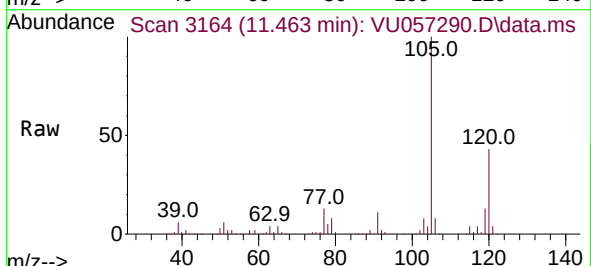
Acq: 27 Dec 2023 19:26

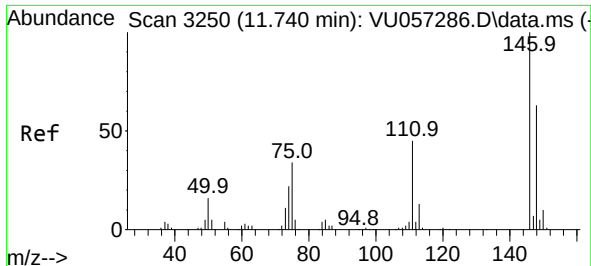
Tgt Ion:105 Resp: 330335

Ion Ratio Lower Upper

105 100

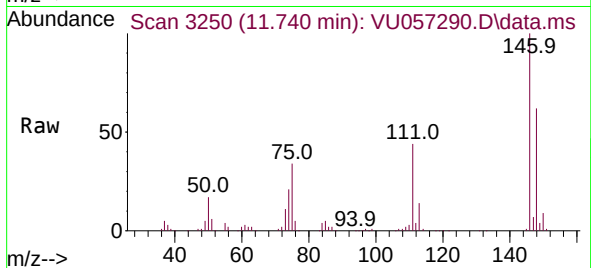
120 43.0 33.5 50.3



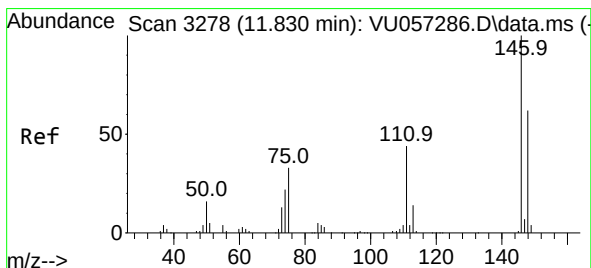
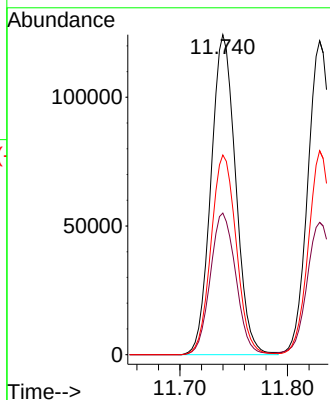
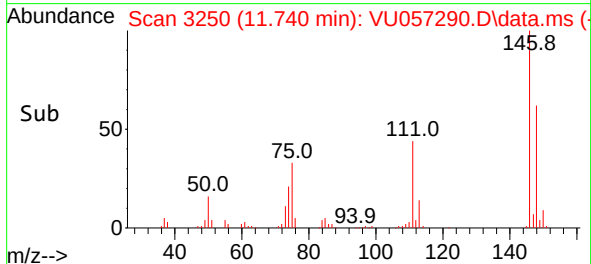


#64
1,3-Dichlorobenzene
Concen: 5.157 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26

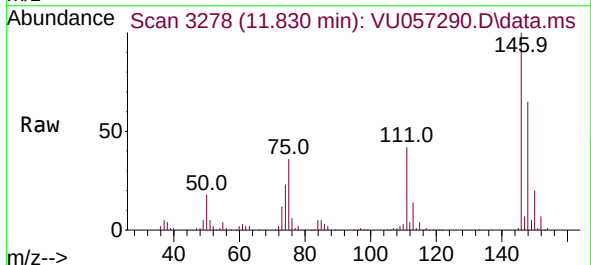
Instrument :
MSVOA_U
ClientSampleId :



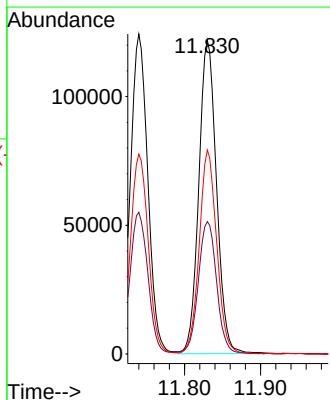
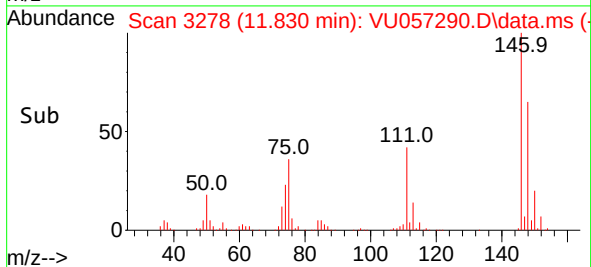
Tgt Ion:146 Resp: 198578
Ion Ratio Lower Upper
146 100
111 44.2 31.4 58.2
148 62.4 44.3 82.3

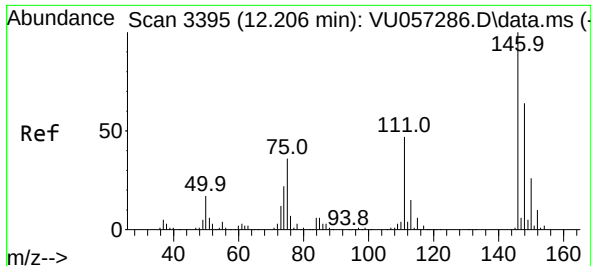


#65
1,4-Dichlorobenzene
Concen: 5.031 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU057290.D
Acq: 27 Dec 2023 19:26



Tgt Ion:146 Resp: 197174
Ion Ratio Lower Upper
146 100
111 42.2 30.9 57.3
148 65.0 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 4.991 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Instrument :

MSVOA_U

ClientSampleId :

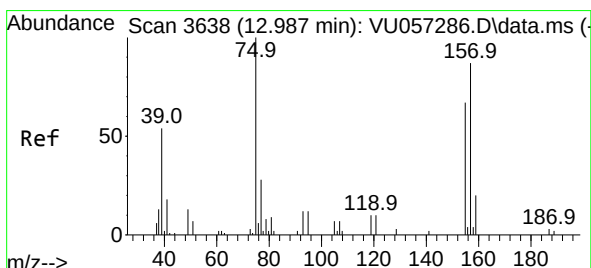
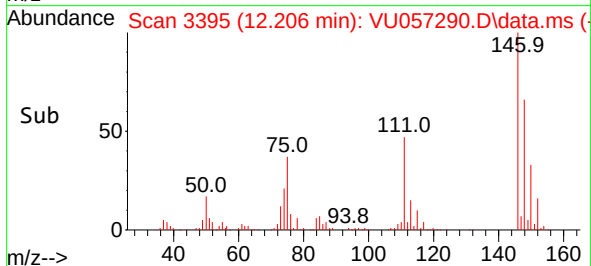
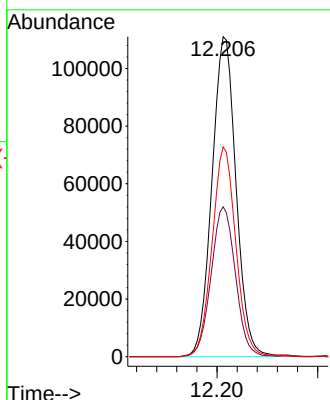
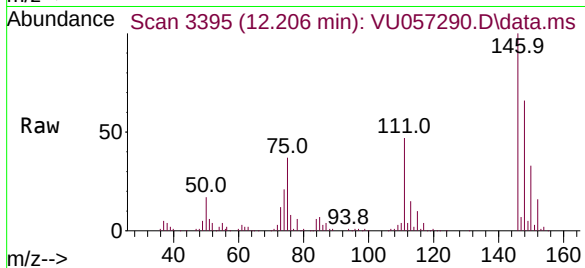
Tgt Ion:146 Resp: 184735

Ion Ratio Lower Upper

146 100

111 46.8 37.8 56.8

148 65.5 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.856 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

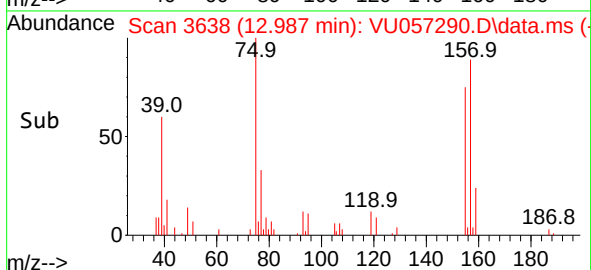
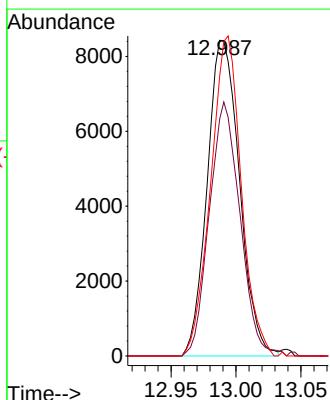
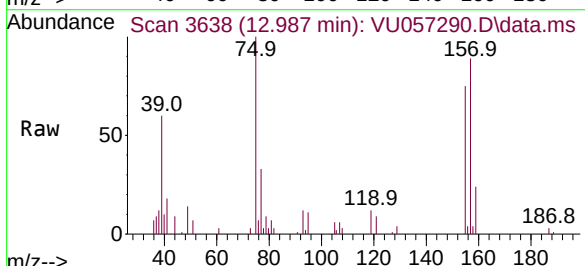
Tgt Ion: 75 Resp: 14567

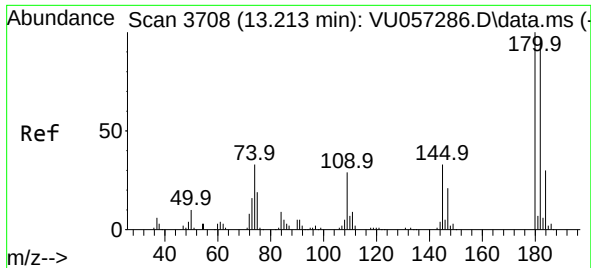
Ion Ratio Lower Upper

75 100

155 75.0 53.8 80.8

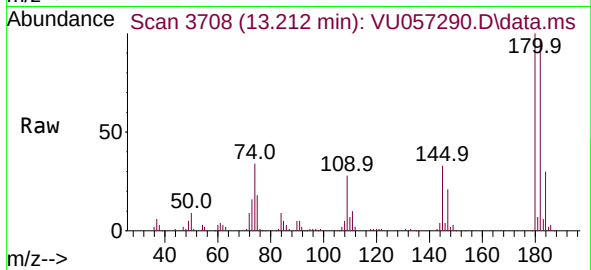
157 88.5 69.7 104.5



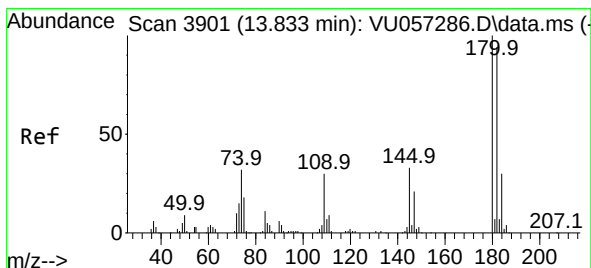
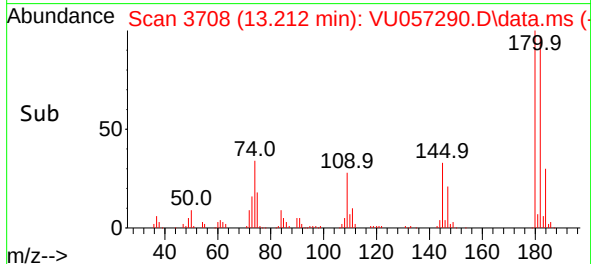
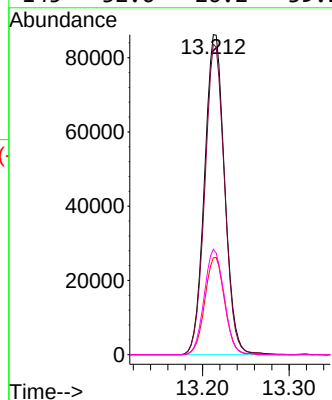


#69
 1,3,5-Trichlorobenzene
 Concen: 5.042 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU057290.D
 Acq: 27 Dec 2023 19:26

Instrument :
 MSVOA_U
 ClientSampleId :

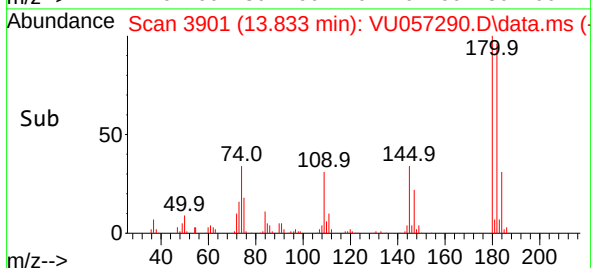
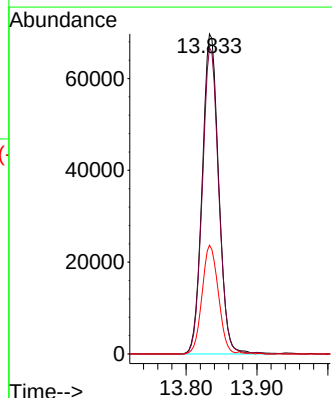
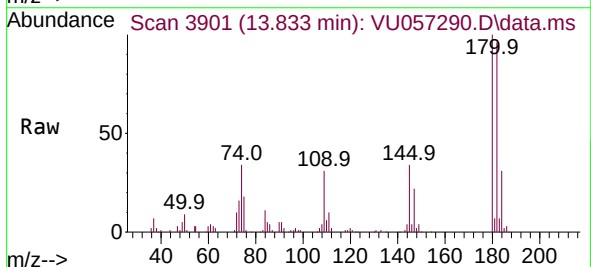


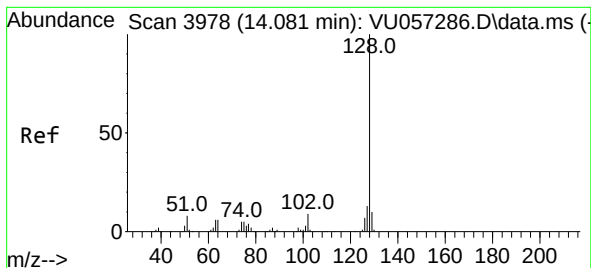
Tgt Ion:180 Resp: 139015
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.3 114.5
 184 30.0 23.6 35.4
 145 32.6 26.2 39.2



#70
 1,2,4-trichlorobenzene
 Concen: 5.144 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU057290.D
 Acq: 27 Dec 2023 19:26

Tgt Ion:180 Resp: 112528
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.2 114.4
 145 33.5 26.7 40.1





#71

Naphthalene

Concen: 5.480 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Instrument :

MSVOA_U

ClientSampleId :

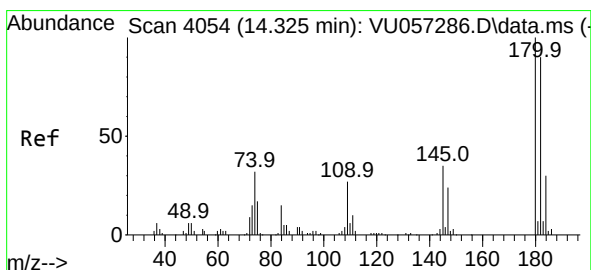
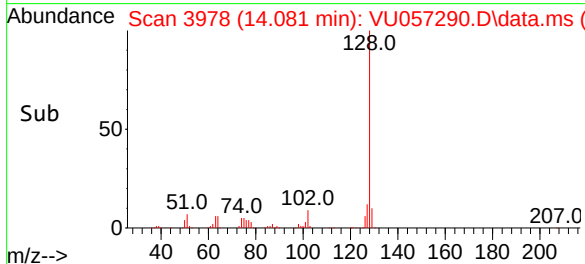
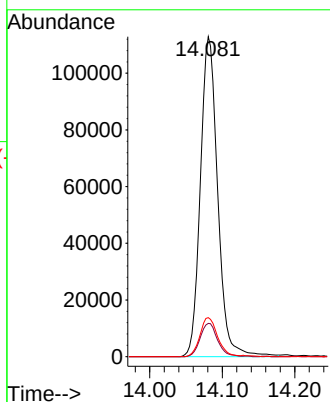
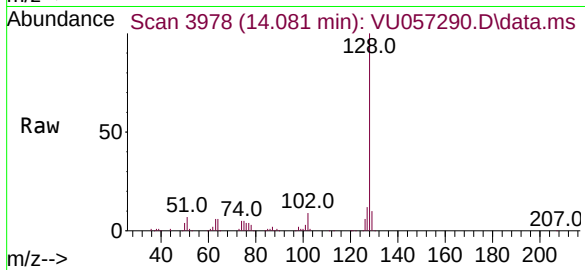
Tgt Ion:128 Resp: 187394

Ion Ratio Lower Upper

128 100

129 10.4 8.6 13.0

127 12.5 9.8 14.6



#72

1,2,3-Trichlorobenzene

Concen: 5.347 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU057290.D

Acq: 27 Dec 2023 19:26

Tgt Ion:180 Resp: 101959

Ion Ratio Lower Upper

180 100

182 97.3 75.8 113.8

145 36.2 28.0 42.0

