

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122623\
 Data File : VU057280.D
 Acq On : 27 Dec 2023 11:23
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 00:57:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 27 01:05:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	167568	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	172448	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	91565	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	88572	5.530	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.600%
7) Chloroethane-d5	1.911	69	67066	5.087	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.800%
11) 1,1-Dichloroethene-d2	2.560	65	34724	5.004	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.000%
20) 2-Butanone-d5	4.624	46	150085	59.684	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.360%
24) Chloroform-d	5.055	84	145600	4.707	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.695	65	68558	4.651	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.721	84	276670	4.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.682	67	83947	4.987	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.891	98	252793	4.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.174	79	32358	4.618	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.627	63	120701	50.596	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.200%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	62533	5.221	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	82532	4.189	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	69123	4.411	ug/L	100
3) Chloromethane	1.518	50	74361	5.415	ug/L	100
5) Vinyl chloride	1.602	62	81593	5.570	ug/L	99
6) Bromomethane	1.856	94	35932	5.609	ug/L	97
8) Chloroethane	1.933	64	47763	5.136	ug/L	98
9) Trichlorofluoromethane	2.136	101	114445	4.252	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	67012	4.809	ug/L	99
12) 1,1-Dichloroethene	2.576	96	60701	4.845	ug/L	94
13) Acetone	2.641	43	88339	58.428	ug/L	99
14) Carbon disulfide	2.788	76	179745	4.560	ug/L	99
15) Methyl Acetate	2.949	43	23570	6.611	ug/L	94
16) Methylene chloride	3.039	84	70416	4.835	ug/L	94
17) Methyl tert-butyl Ether	3.351	73	140577	5.284	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	61762	5.056	ug/L	98
19) 1,1-Dichloroethane	3.862	63	128975	5.320	ug/L	99
21) 2-Butanone	4.705	43	137967	59.876	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	70332	5.228	ug/L	95
23) Bromochloromethane	4.965	128	30556	5.241	ug/L	90
25) Chloroform	5.078	83	137511	5.029	ug/L	97

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Quant Time: Dec 28 00:57:19 2023
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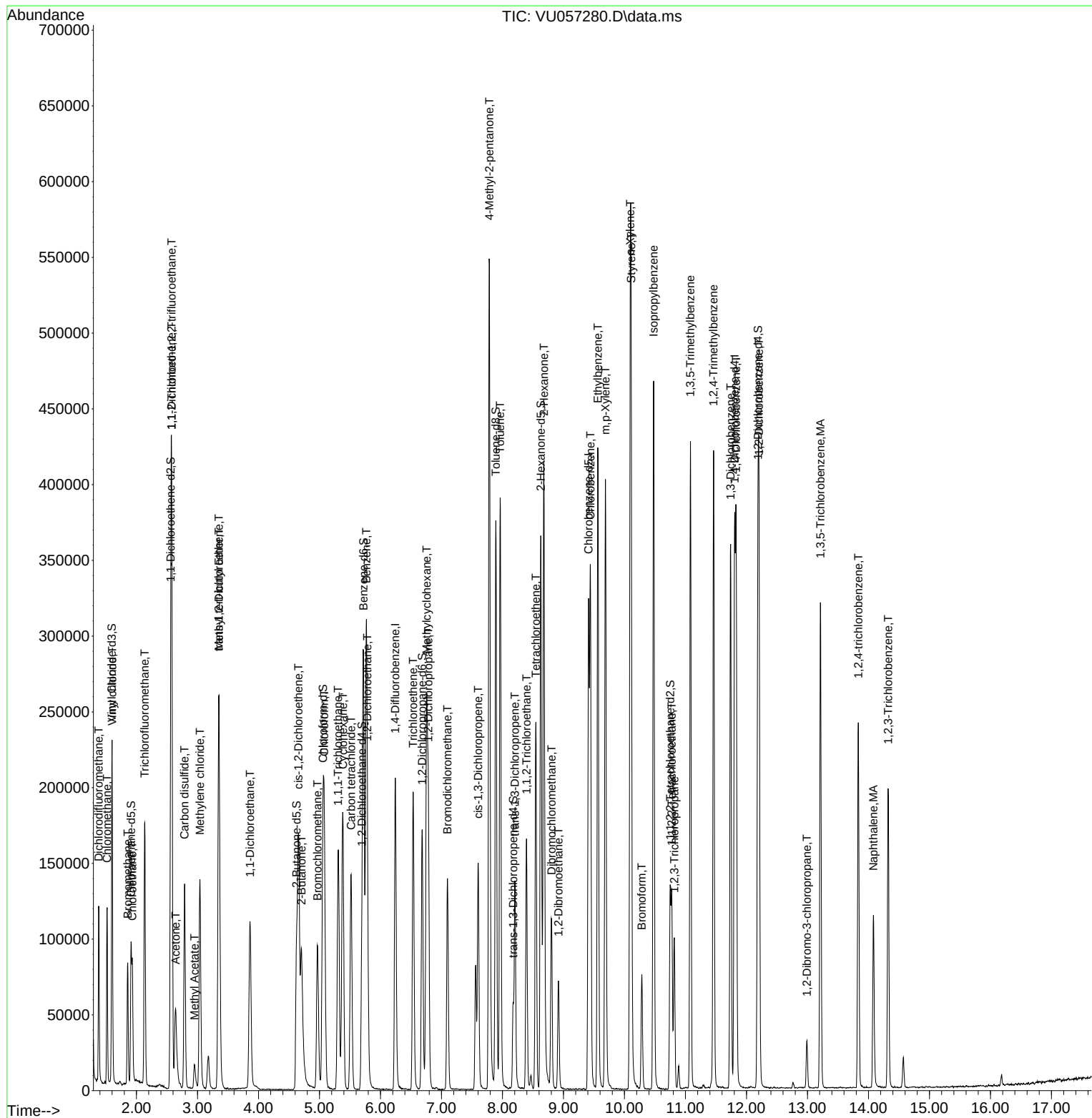
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	78642	4.874	ug/L #	95
29) 1,1,1-Trichloroethane	5.306	97	119621	4.365	ug/L	98
30) Cyclohexane	5.383	56	85324	4.605	ug/L	97
31) Carbon tetrachloride	5.518	117	101157	4.196	ug/L	99
33) Benzene	5.766	78	275314	5.036	ug/L	100
34) Trichloroethene	6.534	95	72304	4.523	ug/L	98
35) Methylcyclohexane	6.756	83	88942	4.226	ug/L	96
37) 1,2-Dichloropropane	6.785	63	72268	5.314	ug/L	100
38) Bromodichloromethane	7.097	83	94247	4.790	ug/L	95
39) cis-1,3-Dichloropropene	7.602	75	93123	4.552	ug/L	95
40) 4-Methyl-2-pentanone	7.785	43	350227	59.244	ug/L	97
42) Toluene	7.962	91	290726	5.018	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	79447	4.551	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	50801	5.415	ug/L	94
47) Tetrachloroethene	8.547	164	51762	4.518	ug/L	98
48) 2-Hexanone	8.679	43	257751	59.261	ug/L	96
49) Dibromochloromethane	8.804	129	60268	4.955	ug/L	92
50) 1,2-Dibromoethane	8.917	107	46300	5.256	ug/L	96
51) Chlorobenzene	9.441	112	179776	4.768	ug/L	98
52) Ethylbenzene	9.563	91	295440	4.525	ug/L	99
53) m,p-Xylene	9.689	106	113408	4.749	ug/L	95
54) o-Xylene	10.094	106	106987	4.643	ug/L	95
55) Styrene	10.110	104	182555	4.804	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	61670	5.451	ug/L #	98
59) Bromoform	10.283	173	33177	4.722	ug/L	96
60) Isopropylbenzene	10.479	105	294234	4.358	ug/L	98
61) 1,2,3-Trichloropropane	10.817	75	42732	5.009	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	225192	4.071	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	228410	4.184	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	144549	4.530	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	138809	4.321	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	126698	4.440	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	9015	4.659	ug/L	93
69) 1,3,5-Trichlorobenzene	13.213	180	94565	3.984	ug/L	97
70) 1,2,4-trichlorobenzene	13.833	180	71343	3.838	ug/L	99
71) Naphthalene	14.081	128	94822	4.033	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	60328	4.161	ug/L	99

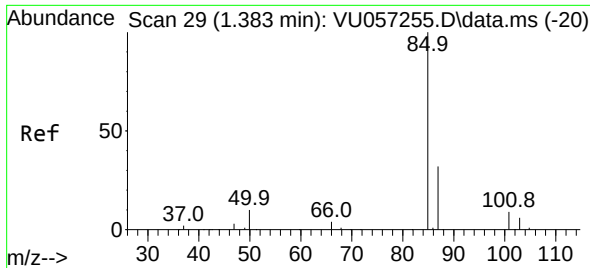
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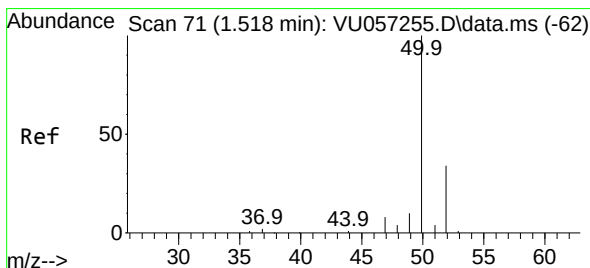
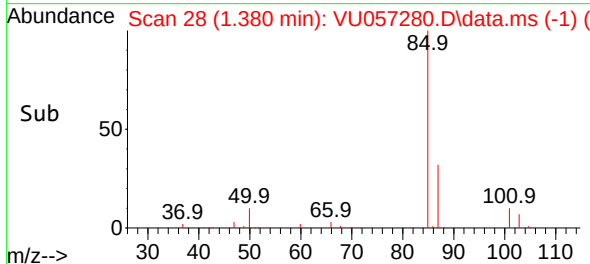
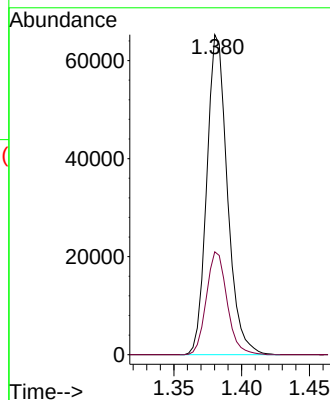
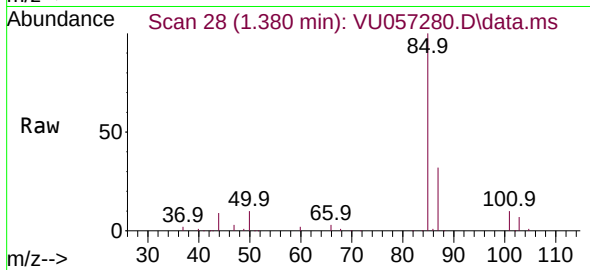




#2
Dichlorodifluoromethane
Concen: 4.411 ug/L
RT: 1.380 min Scan# 29
Delta R.T. -0.003 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

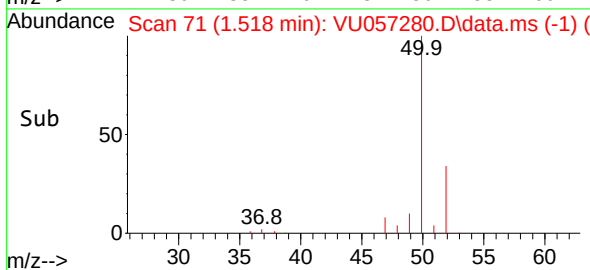
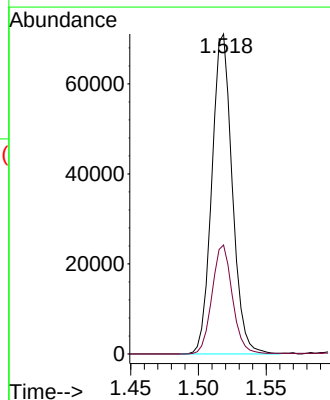
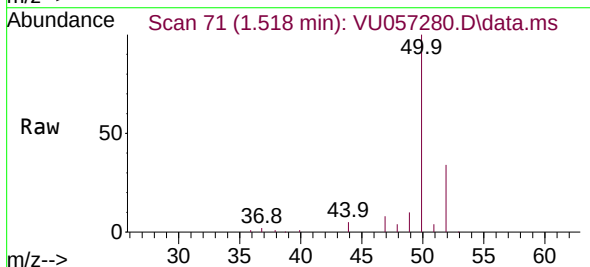
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MSVOA_U
ClientSampleId :

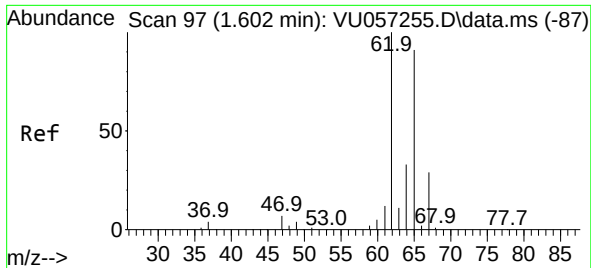
Tgt Ion: 85 Resp: 69123
Ion Ratio Lower Upper
85 100
87 32.3 25.9 38.9



#3
Chloromethane
Concen: 5.415 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion: 50 Resp: 74361
Ion Ratio Lower Upper
50 100
52 34.1 23.7 44.1

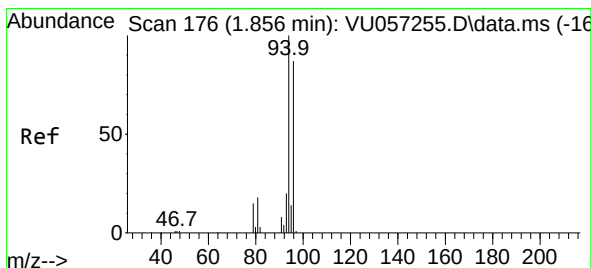
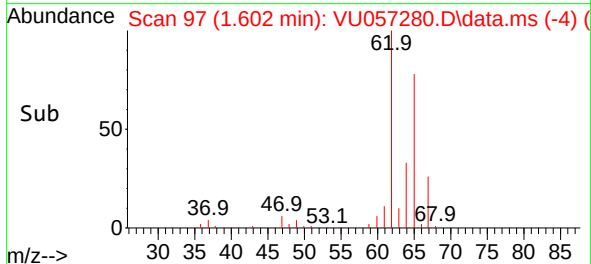
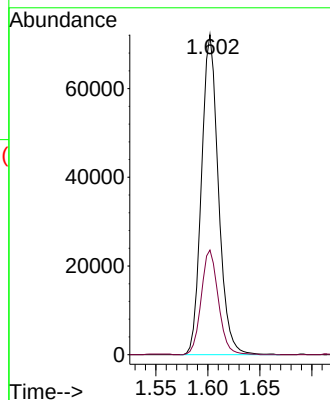
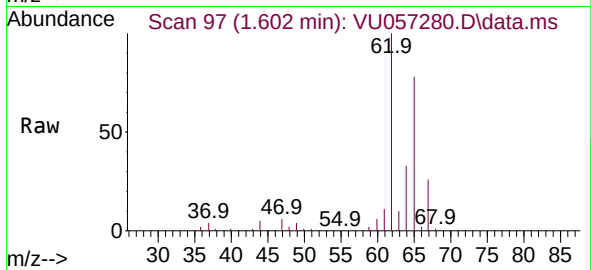




#5
 Vinyl chloride
 Concen: 5.570 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057280.D
 Acq: 27 Dec 2023 11:23

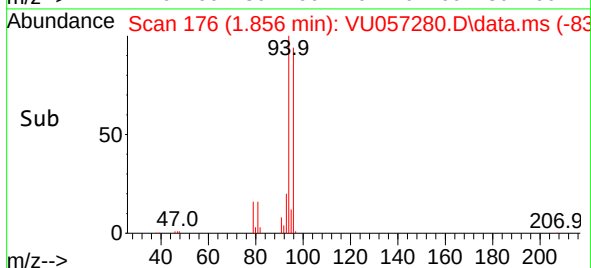
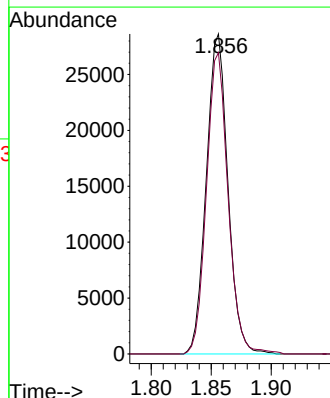
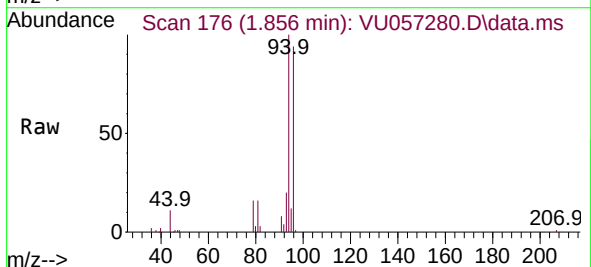
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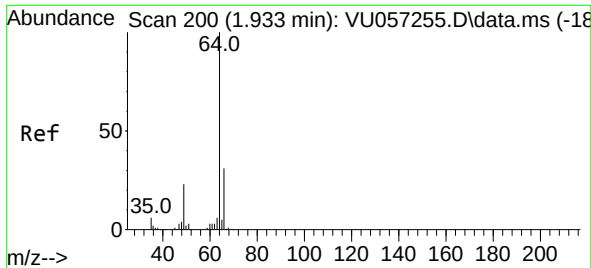
Tgt Ion: 62 Resp: 81593
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.3 43.3



#6
 Bromomethane
 Concen: 5.609 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU057280.D
 Acq: 27 Dec 2023 11:23

Tgt Ion: 94 Resp: 35932
 Ion Ratio Lower Upper
 94 100
 96 94.2 68.2 126.6

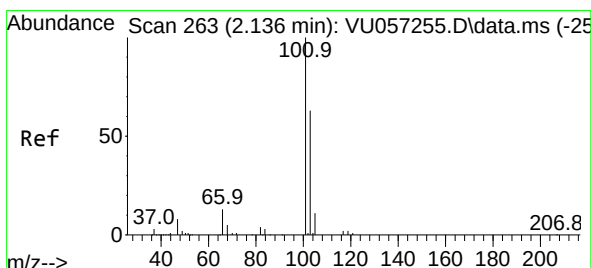
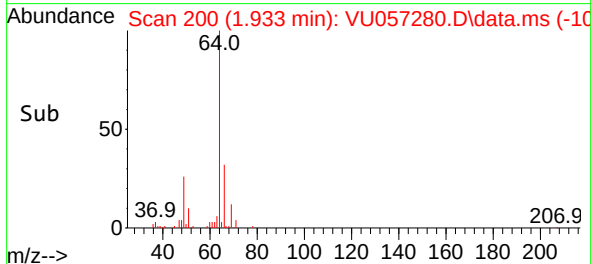
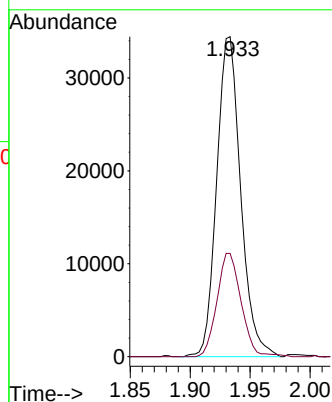
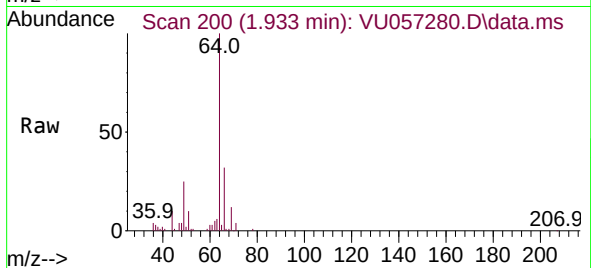




#8
Chloroethane
Concen: 5.136 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

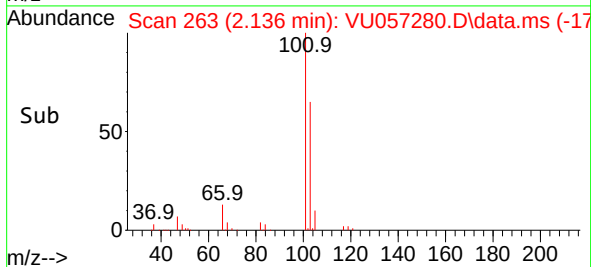
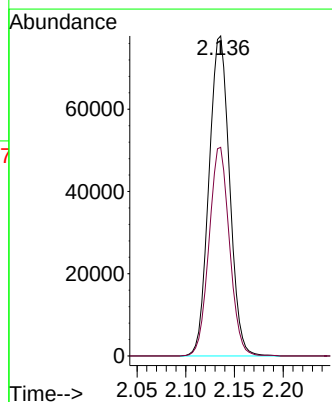
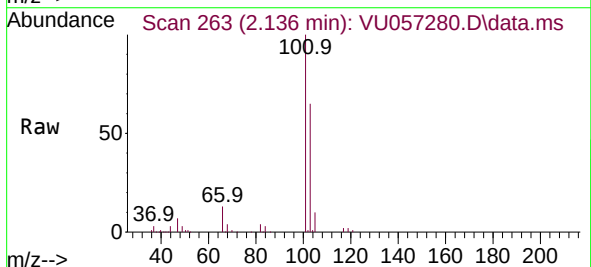
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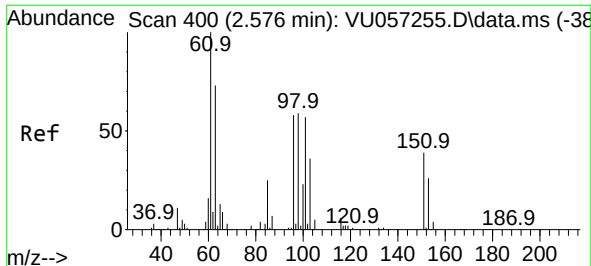
Tgt Ion: 64 Resp: 47763
Ion Ratio Lower Upper
64 100
66 32.2 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.252 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion: 101 Resp: 114445
Ion Ratio Lower Upper
101 100
103 64.8 52.1 78.1

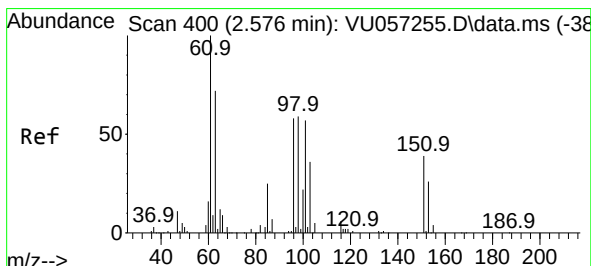
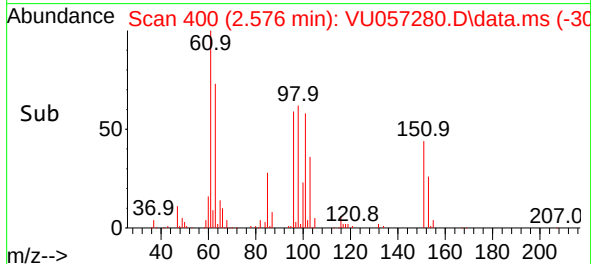
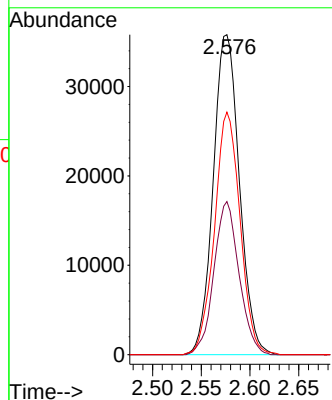
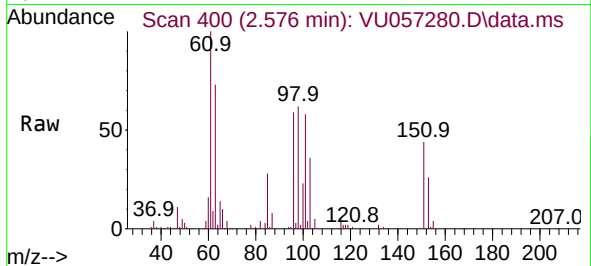




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.809 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057280.D
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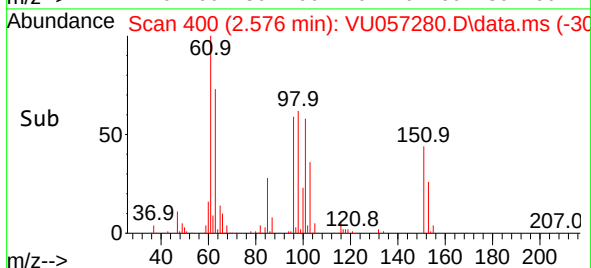
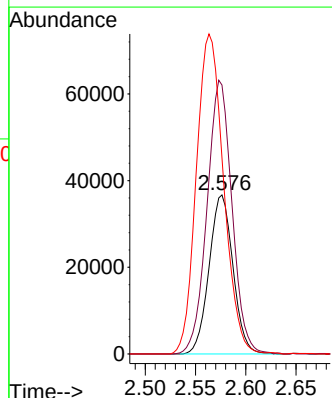
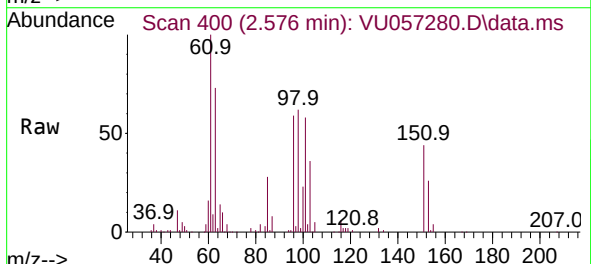
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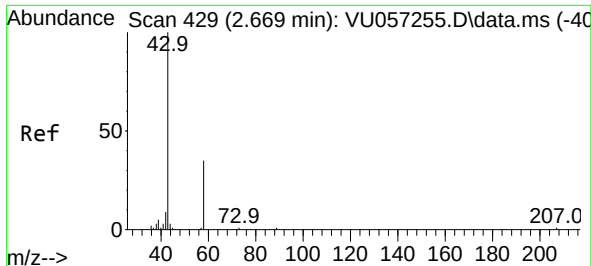
Tgt Ion:101 Resp: 67012
 Ion Ratio Lower Upper
 101 100
 85 45.9 35.6 53.4
 151 74.1 59.9 89.9



#12
 1,1-Dichloroethene
 Concen: 4.845 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057280.D
 Acq: 27 Dec 2023 11:23

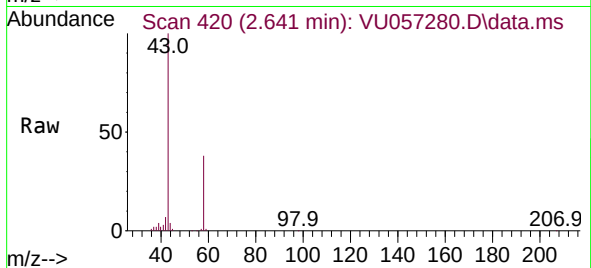
Tgt Ion: 96 Resp: 60701
 Ion Ratio Lower Upper
 96 100
 61 169.1 119.6 222.0
 63 123.4 96.2 178.8



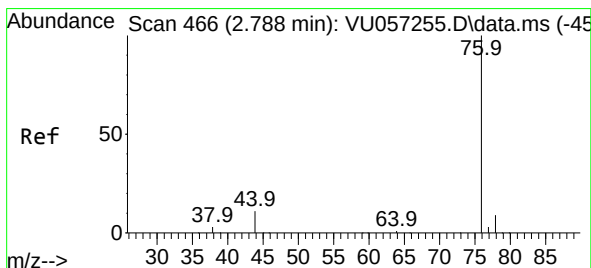
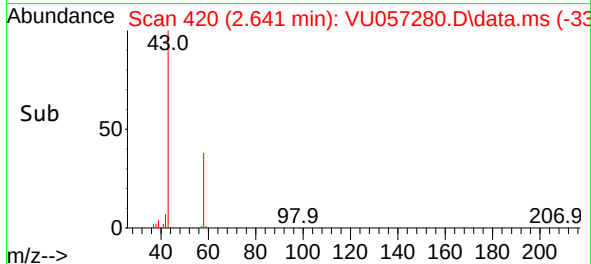
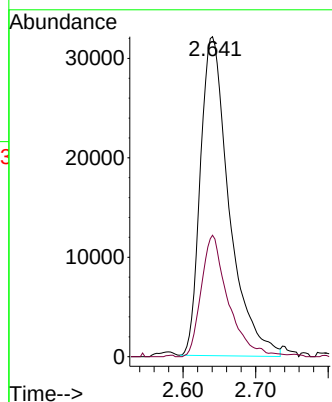


#13
Acetone
Concen: 58.428 ug/L
RT: 2.641 min Scan# 41
Delta R.T. -0.029 min
Lab File: VU057280.D
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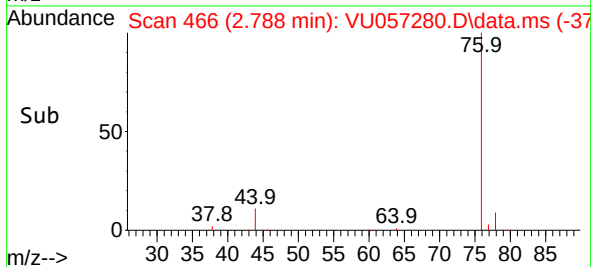
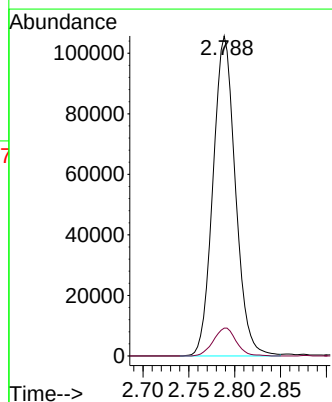
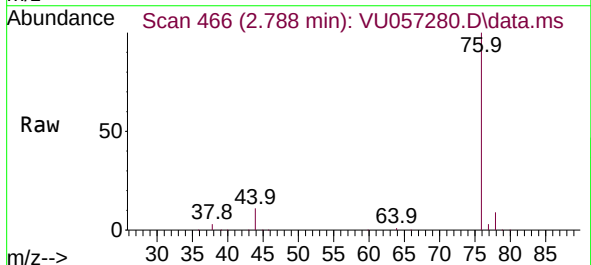


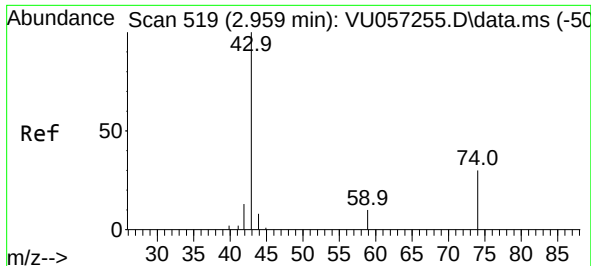
Tgt Ion: 43 Resp: 88339
Ion Ratio Lower Upper
43 100
58 35.8 0.0 70.8



#14
Carbon disulfide
Concen: 4.560 ug/L
RT: 2.788 min Scan# 466
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 179745
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7

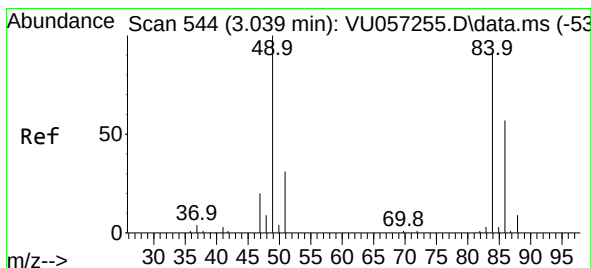
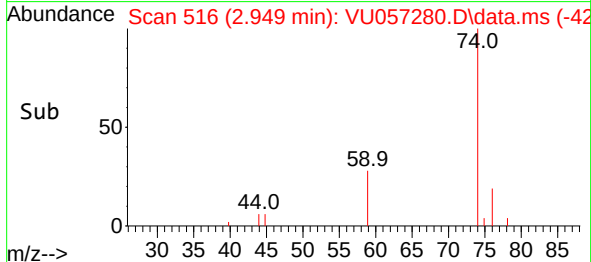
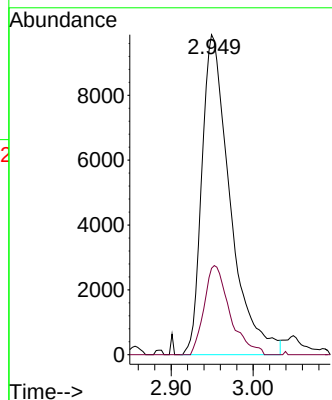
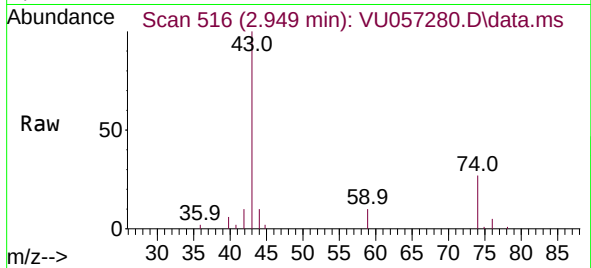




#15
Methyl Acetate
Concen: 6.611 ug/L
RT: 2.949 min Scan# 519
Delta R.T. -0.009 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

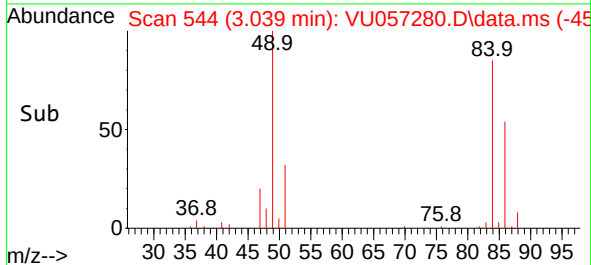
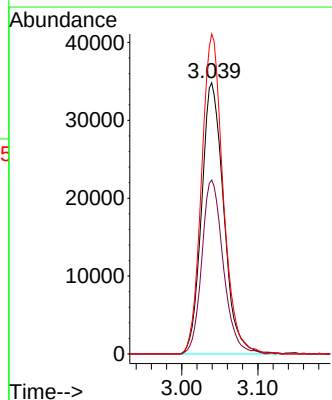
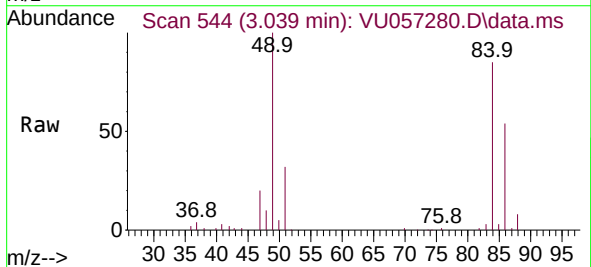
Instrument :
MSVOA_U
ClientSampleId :

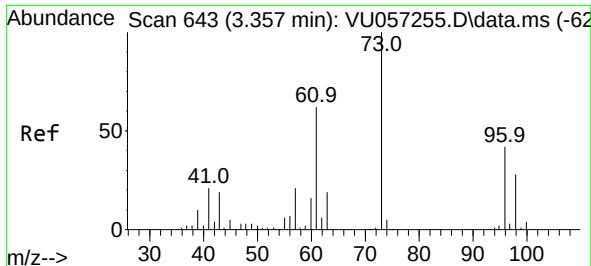
Tgt Ion: 43 Resp: 23570
Ion Ratio Lower Upper
43 100
74 25.4 22.8 34.2



#16
Methylene chloride
Concen: 4.835 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion: 84 Resp: 70416
Ion Ratio Lower Upper
84 100
86 64.2 44.7 82.9
49 118.0 76.0 141.2

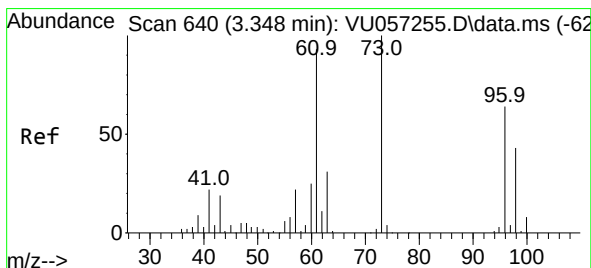
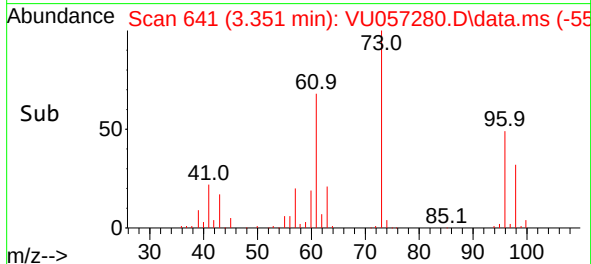
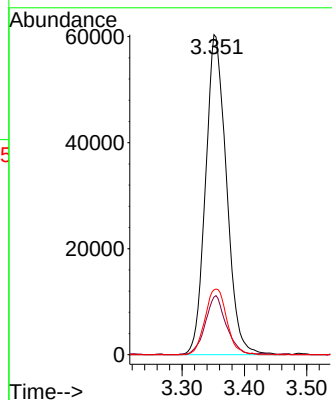
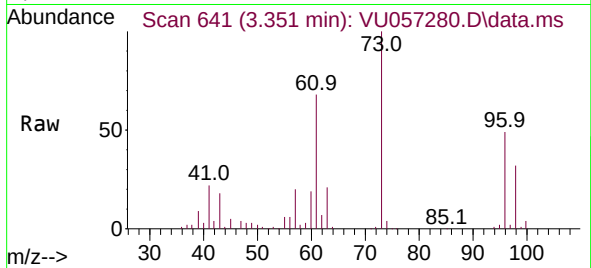




#17
Methyl tert-butyl Ether
Concen: 5.284 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.006 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

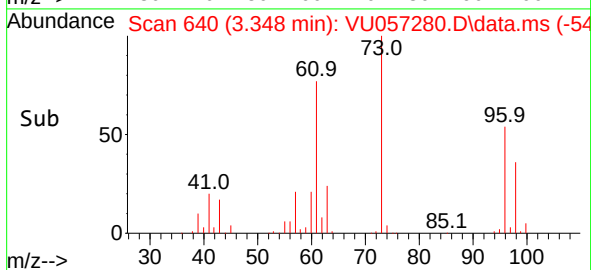
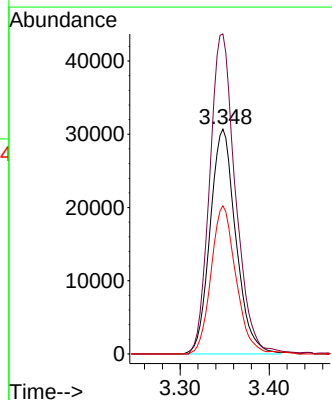
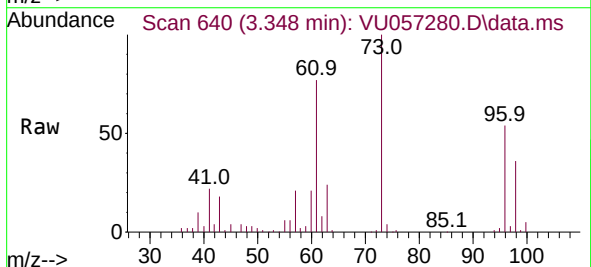
Instrument :
MSVOA_U
ClientSampleId :

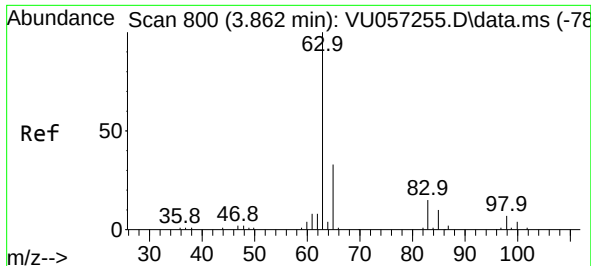
Tgt Ion: 73 Resp: 140577
Ion Ratio Lower Upper
73 100
43 18.5 15.4 23.0
57 21.2 16.2 24.2



#18
trans-1,2-Dichloroethene
Concen: 5.056 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion: 96 Resp: 61762
Ion Ratio Lower Upper
96 100
61 142.3 98.4 182.8
98 65.9 43.6 81.0





#19

1,1-Dichloroethane

Concen: 5.320 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.000 min

Lab File: VU057280.D

Acq: 27 Dec 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

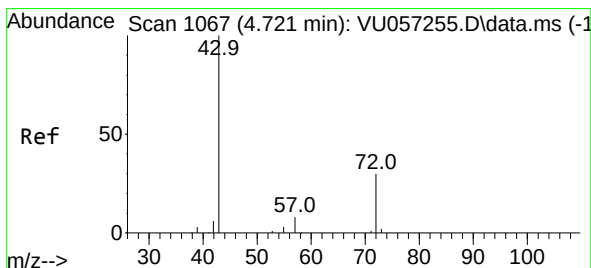
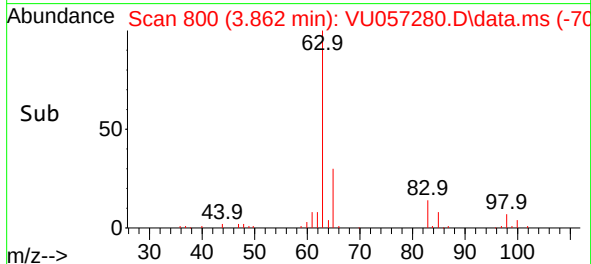
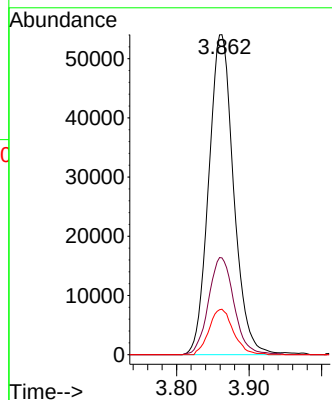
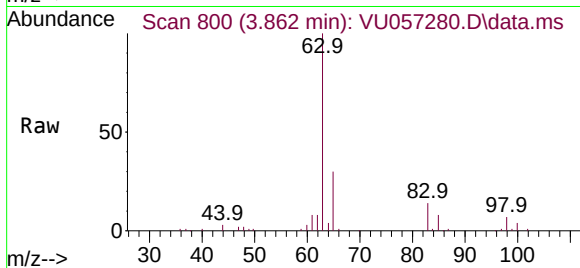
Tgt Ion: 63 Resp: 128975

Ion Ratio Lower Upper

63 100

65 30.3 21.6 40.2

83 14.2 10.2 19.0



#21

2-Butanone

Concen: 59.876 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.016 min

Lab File: VU057280.D

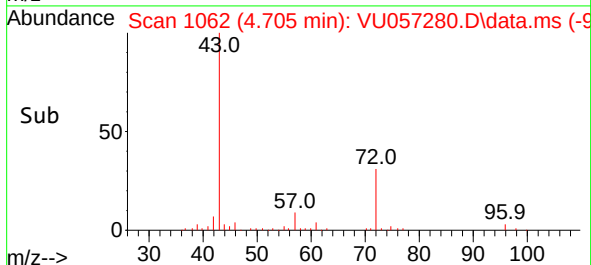
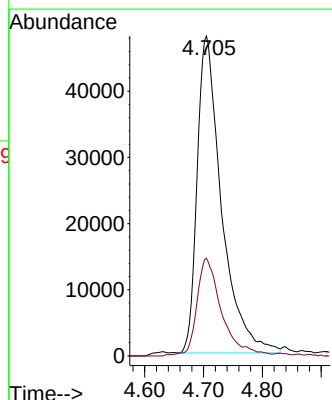
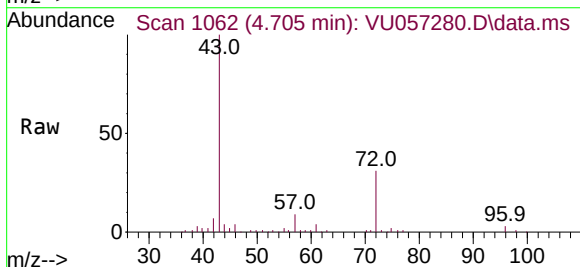
Acq: 27 Dec 2023 11:23

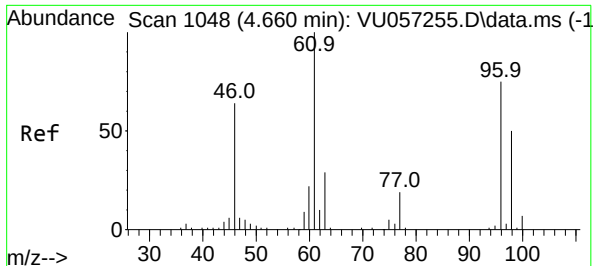
Tgt Ion: 43 Resp: 137967

Ion Ratio Lower Upper

43 100

72 31.2 16.3 48.8

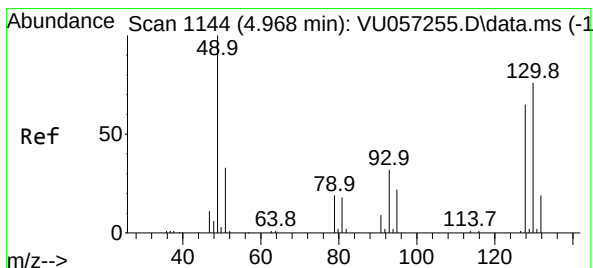
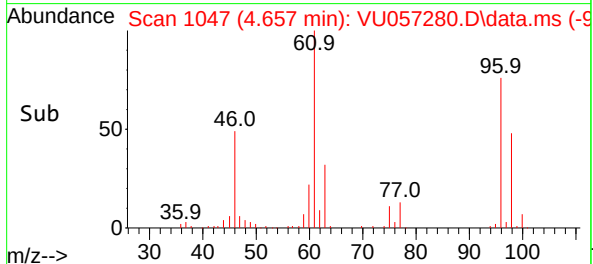
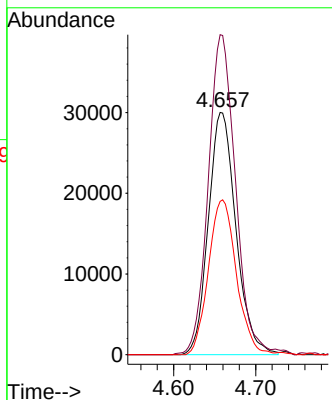
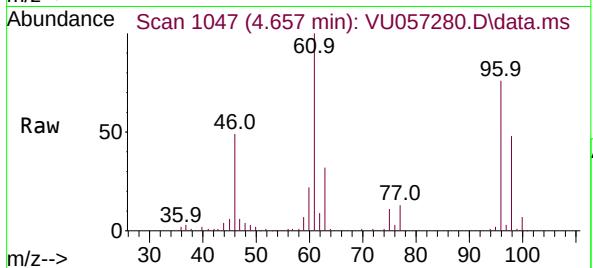




#22
 cis-1,2-Dichloroethene
 Concen: 5.228 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU057280.D
 Acq: 27 Dec 2023 11:23

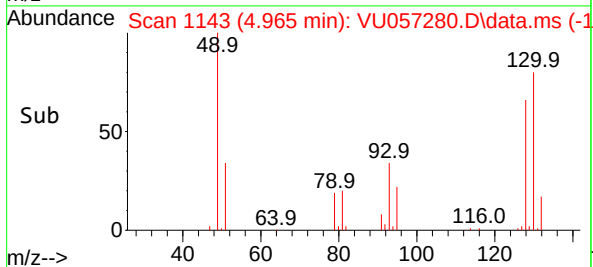
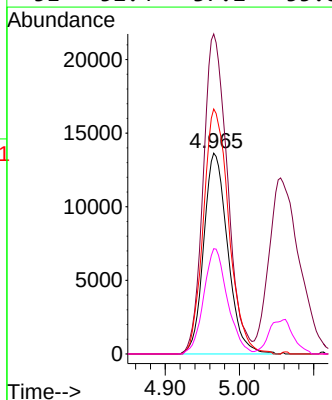
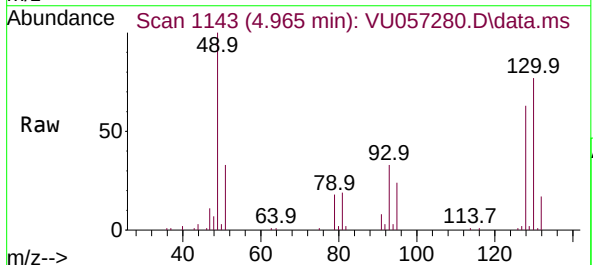
Instrument :
 MSVOA_U
 ClientSampleId :

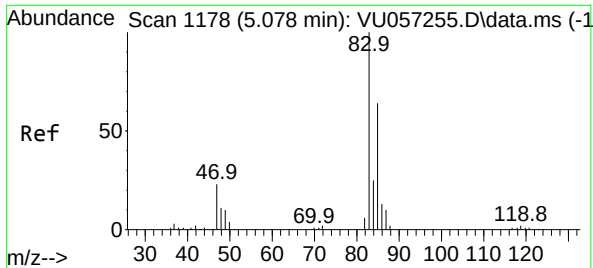
Tgt Ion: 96 Resp: 70332
 Ion Ratio Lower Upper
 96 100
 61 132.1 86.8 161.2
 98 63.3 45.5 84.5



#23
 Bromochloromethane
 Concen: 5.241 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU057280.D
 Acq: 27 Dec 2023 11:23

Tgt Ion:128 Resp: 30556
 Ion Ratio Lower Upper
 128 100
 49 159.3 102.7 190.7
 130 122.0 94.7 175.9
 51 52.4 37.2 55.8

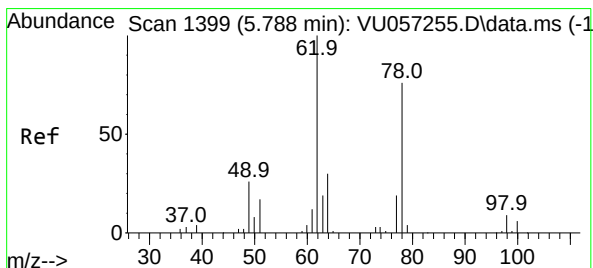
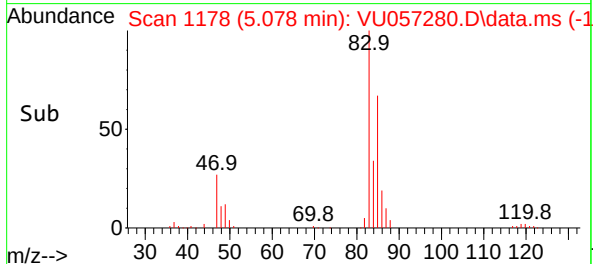
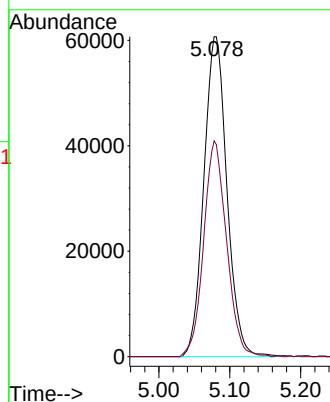
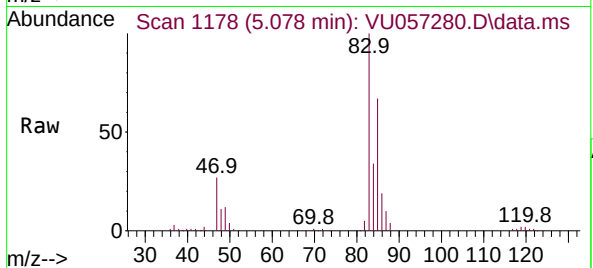




#25
Chloroform
Concen: 5.029 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

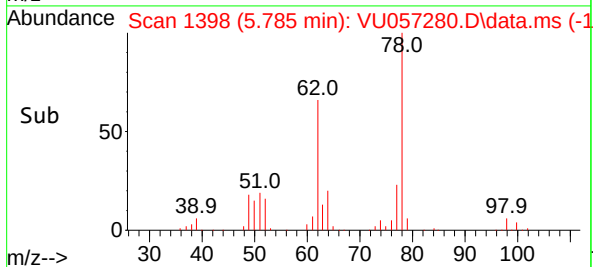
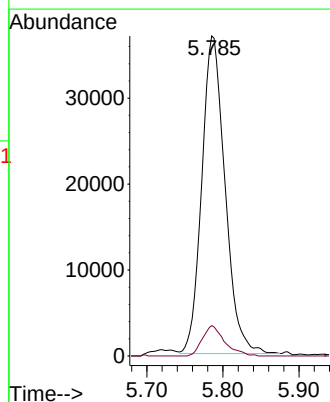
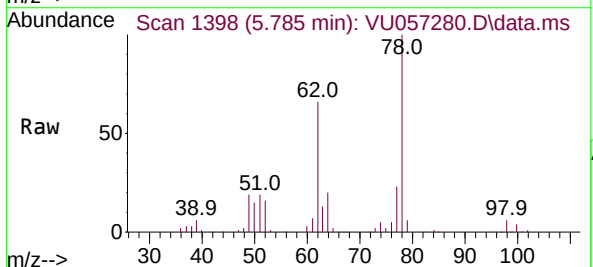
Instrument :
MSVOA_U
ClientSampleId :

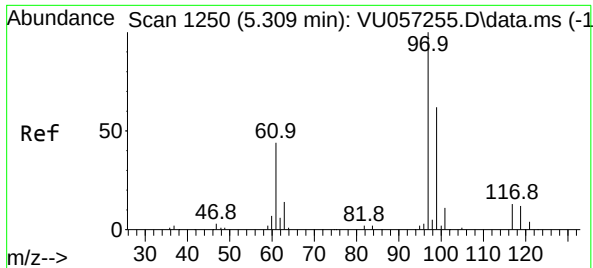
Tgt Ion: 83 Resp: 137511
Ion Ratio Lower Upper
83 100
85 67.5 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.874 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.003 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion: 62 Resp: 78642
Ion Ratio Lower Upper
62 100
98 9.5 6.3 9.5#

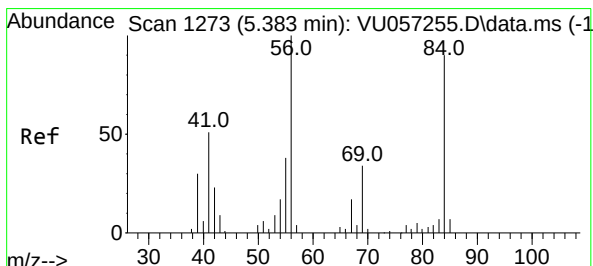
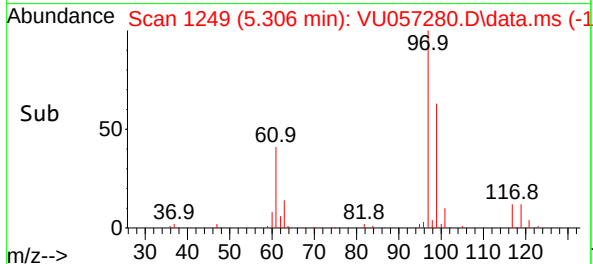
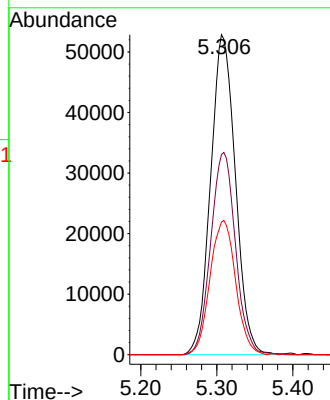
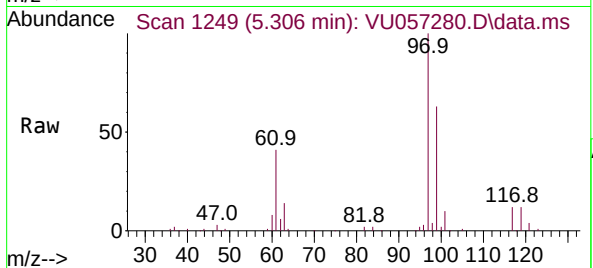




#29
1,1,1-Trichloroethane
Concen: 4.365 ug/L
RT: 5.306 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

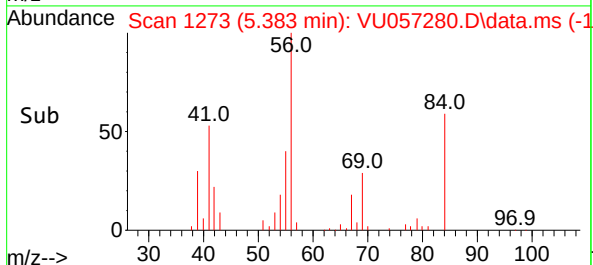
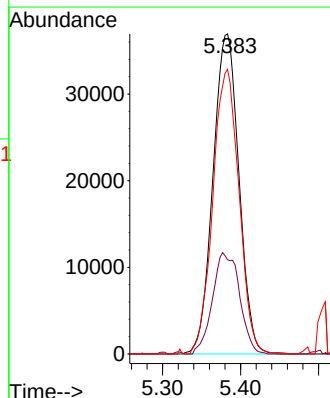
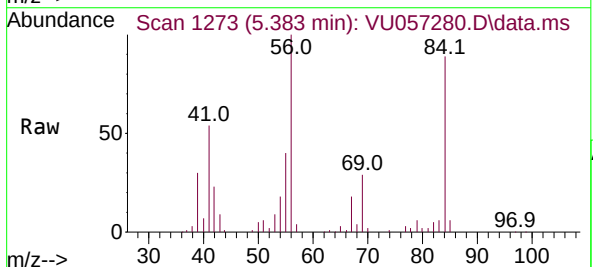
Instrument :
MSVOA_U
ClientSampleId :

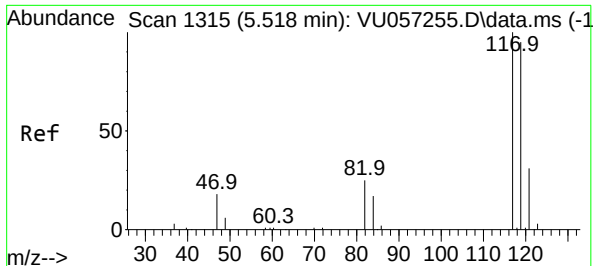
Tgt Ion: 97 Resp: 119621
Ion Ratio Lower Upper
97 100
99 63.3 51.2 76.8
61 43.4 32.5 48.7



#30
Cyclohexane
Concen: 4.605 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion: 56 Resp: 85324
Ion Ratio Lower Upper
56 100
69 33.1 26.7 40.1
84 89.7 74.9 112.3

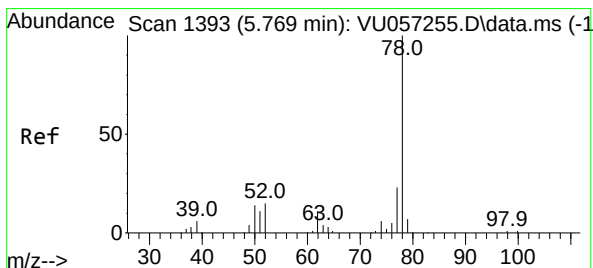
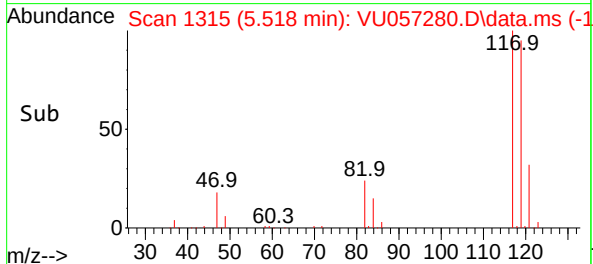
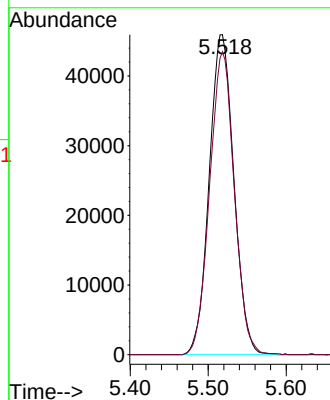
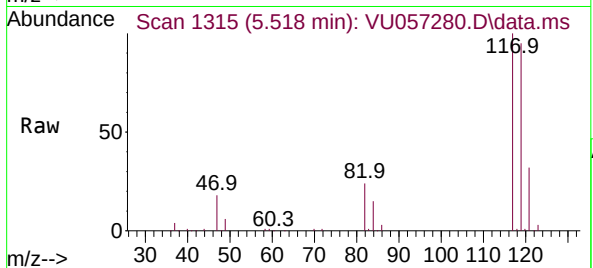




#31
Carbon tetrachloride
Concen: 4.196 ug/L
RT: 5.518 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

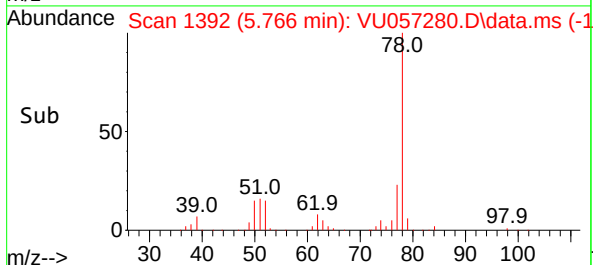
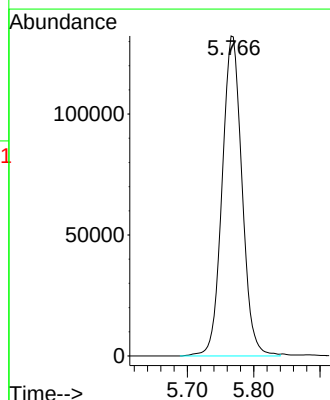
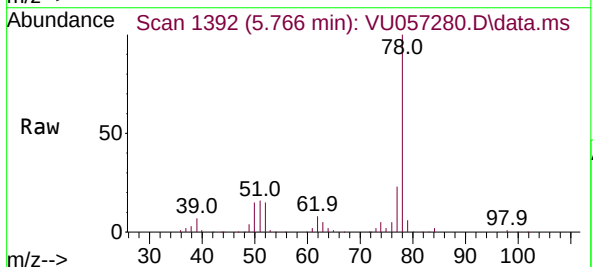
Instrument :
MSVOA_U
ClientSampleId :

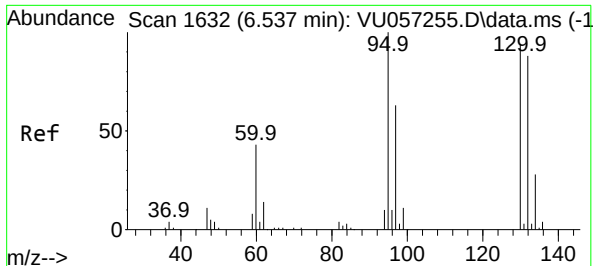
Tgt Ion:117 Resp: 101157
Ion Ratio Lower Upper
117 100
119 94.7 75.1 112.7



#33
Benzene
Concen: 5.036 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion: 78 Resp: 275314

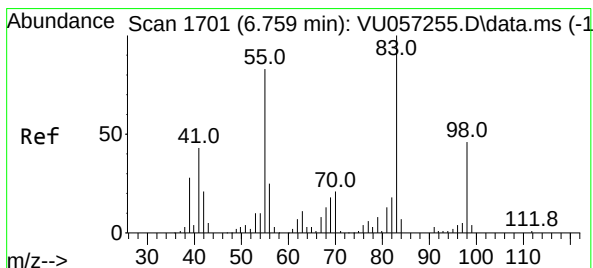
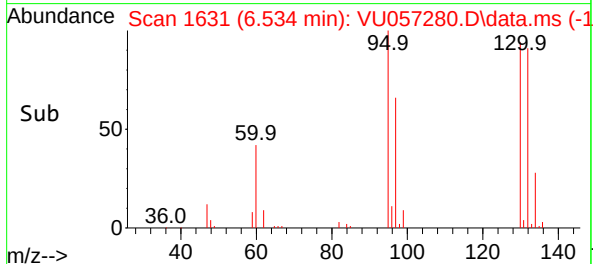
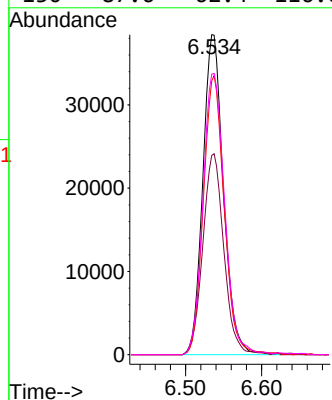
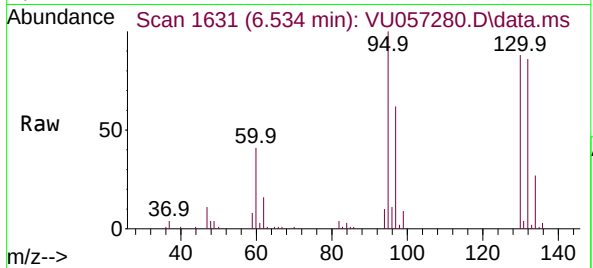




#34
Trichloroethene
Concen: 4.523 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

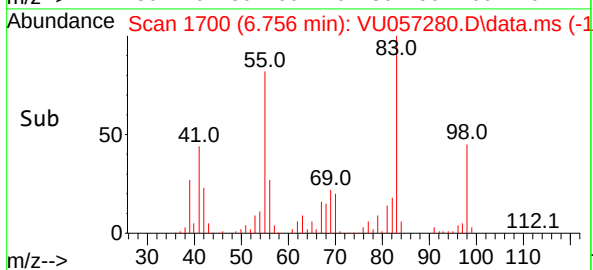
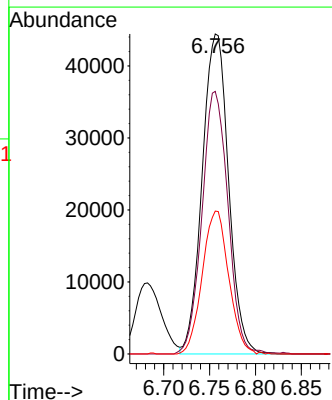
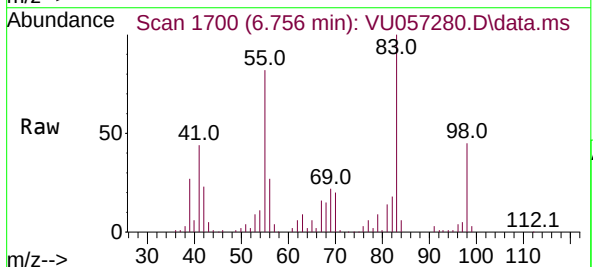
Instrument :
MSVOA_U
ClientSampleId :

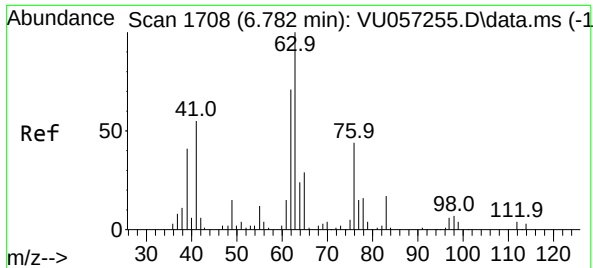
Tgt Ion: 95 Resp: 72304
Ion Ratio Lower Upper
95 100
97 62.2 44.3 82.3
132 85.5 62.6 116.2
130 87.6 62.4 116.0



#35
Methylcyclohexane
Concen: 4.226 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion: 83 Resp: 88942
Ion Ratio Lower Upper
83 100
55 80.8 61.3 91.9
98 44.8 36.6 55.0

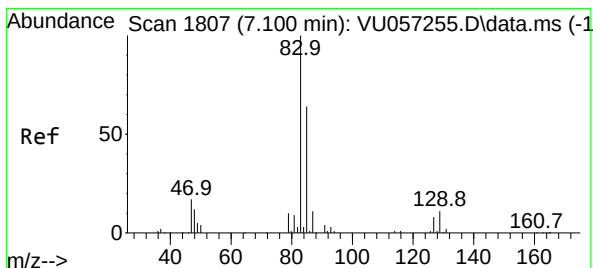
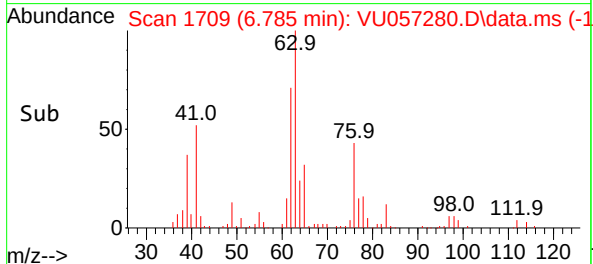
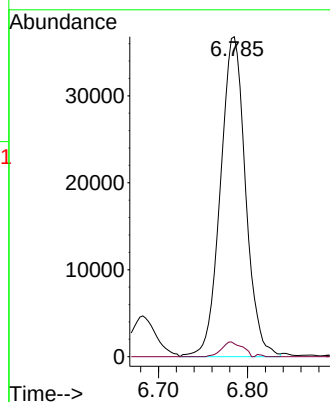
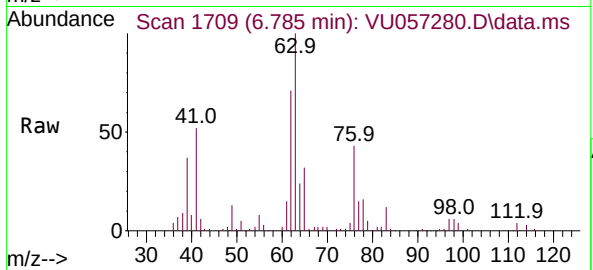




#37
1,2-Dichloropropane
Concen: 5.314 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

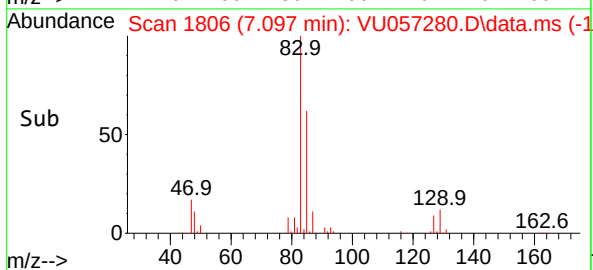
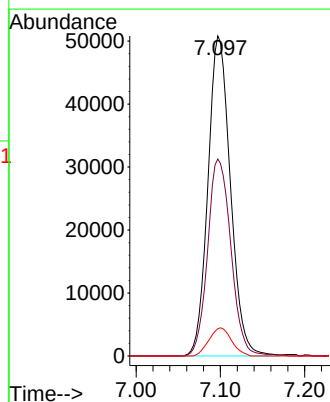
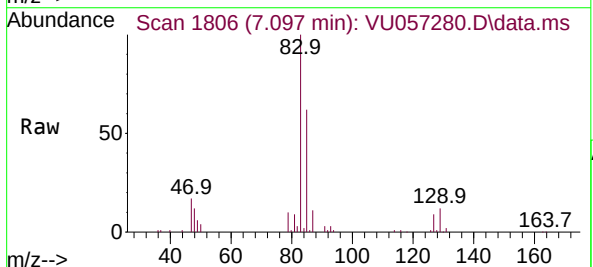
Instrument :
MSVOA_U
ClientSampleId :

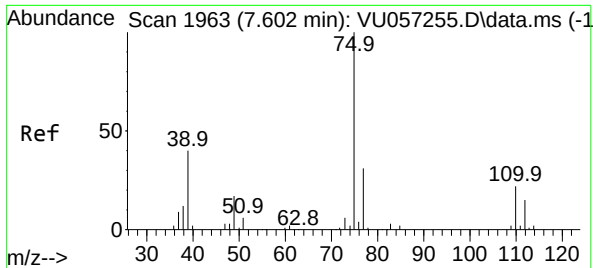
Tgt Ion: 63 Resp: 72268
Ion Ratio Lower Upper
63 100
112 3.8 3.1 4.7



#38
Bromodichloromethane
Concen: 4.790 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion: 83 Resp: 94247
Ion Ratio Lower Upper
83 100
85 61.6 45.8 85.0
127 8.5 7.4 11.2

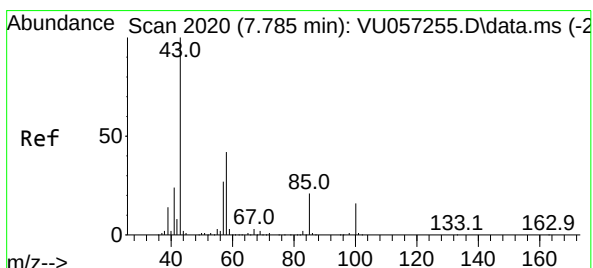
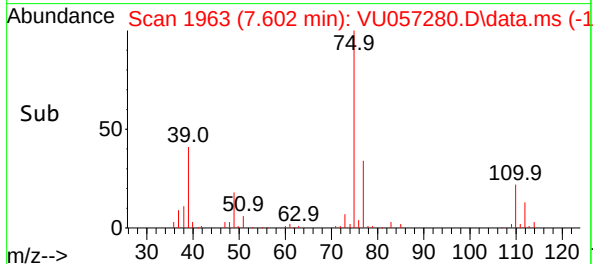
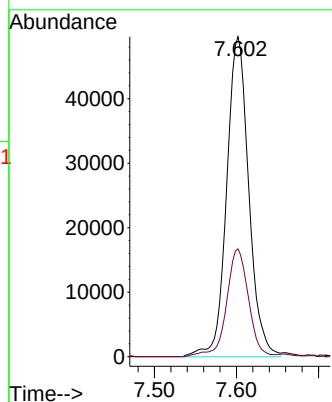
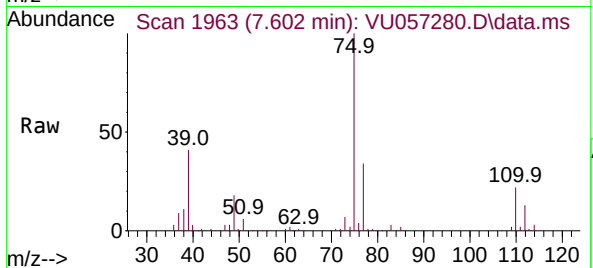




#39
 cis-1,3-Dichloropropene
 Concen: 4.552 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU057280.D
 Acq: 27 Dec 2023 11:23

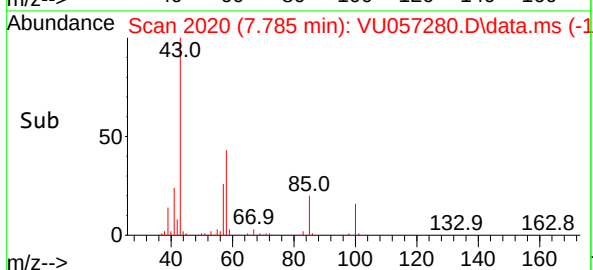
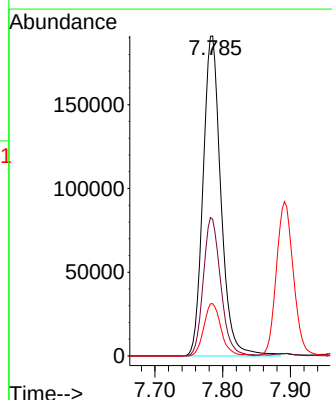
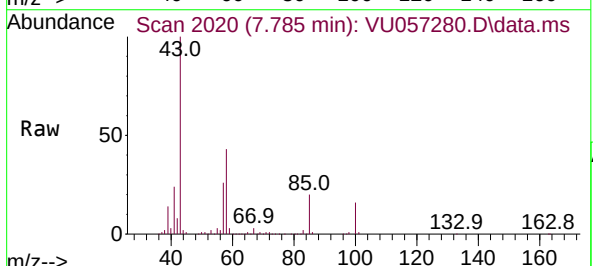
Instrument :
 MSVOA_U
 ClientSampleId :

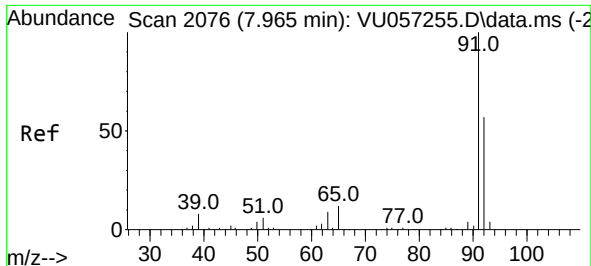
Tgt Ion: 75 Resp: 93123
 Ion Ratio Lower Upper
 75 100
 77 33.7 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 59.244 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: VU057280.D
 Acq: 27 Dec 2023 11:23

Tgt Ion: 43 Resp: 350227
 Ion Ratio Lower Upper
 43 100
 58 42.2 34.8 52.2
 100 15.9 14.6 21.8





#42

Toluene

Concen: 5.018 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU057280.D

Acq: 27 Dec 2023 11:23

Instrument :

MSVOA_U

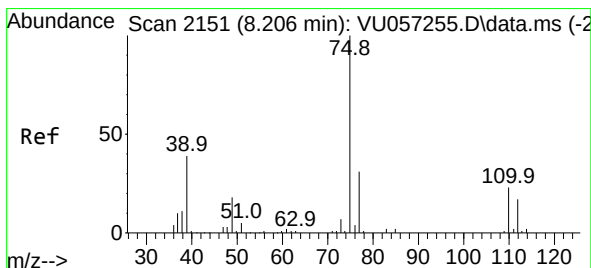
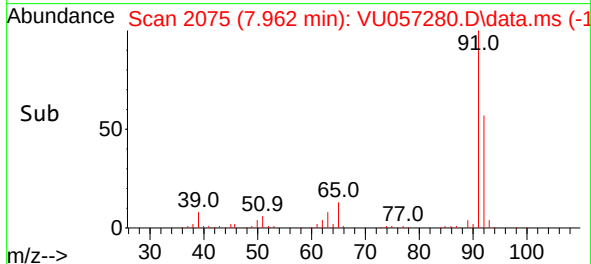
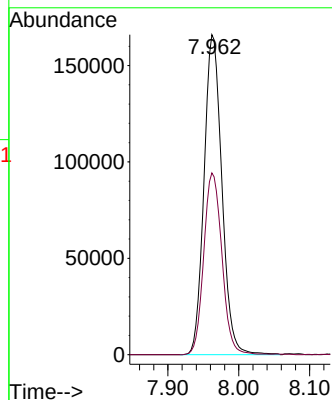
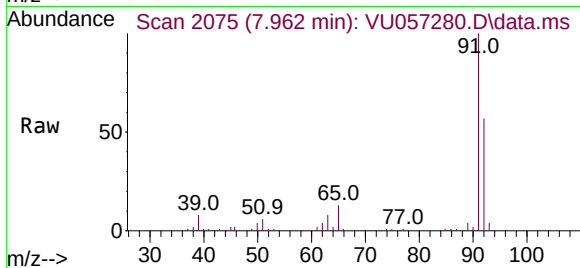
ClientSampleId :

Tgt Ion: 91 Resp: 290726

Ion Ratio Lower Upper

91 100

92 56.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.551 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU057280.D

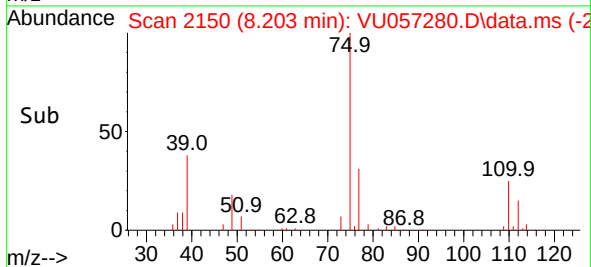
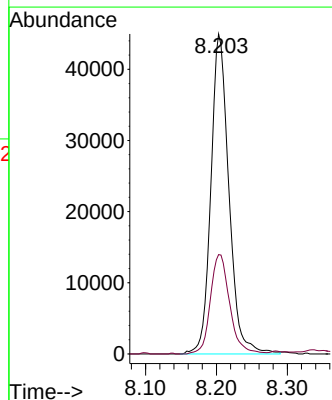
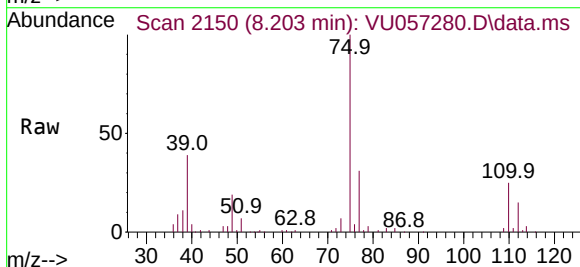
Acq: 27 Dec 2023 11:23

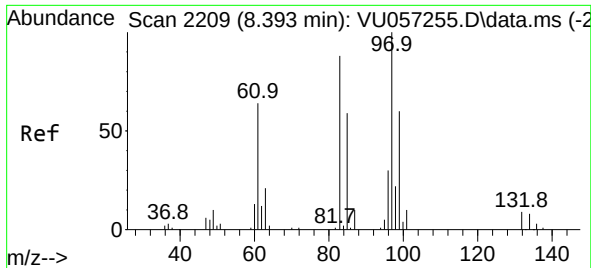
Tgt Ion: 75 Resp: 79447

Ion Ratio Lower Upper

75 100

77 31.1 21.4 39.8

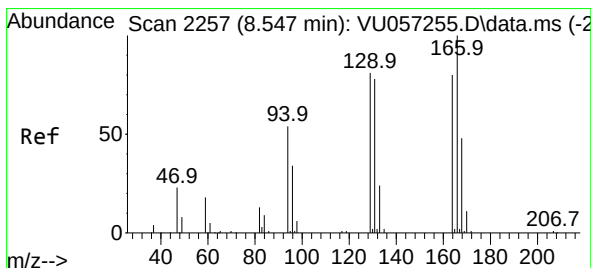
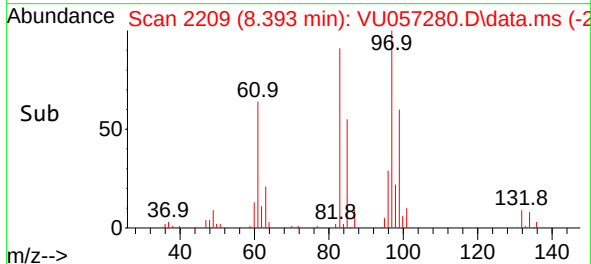
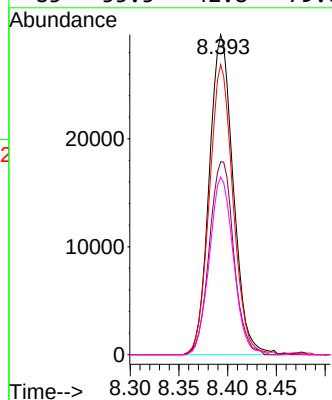
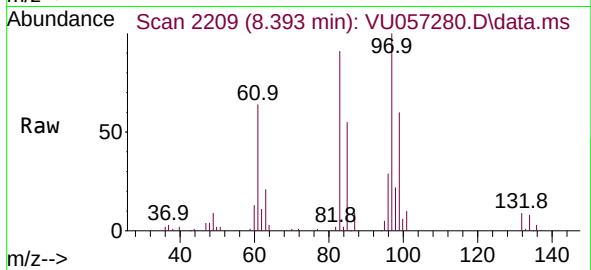




#45
1,1,2-Trichloroethane
Concen: 5.415 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

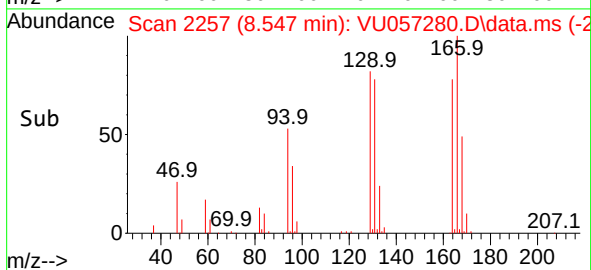
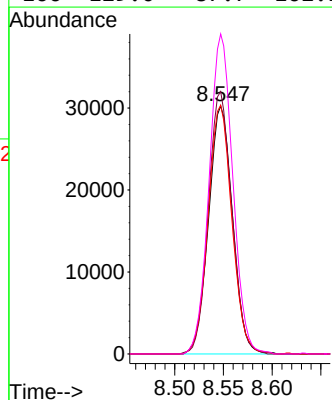
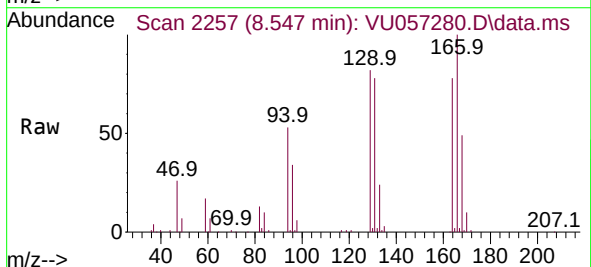
Instrument :
MSVOA_U
ClientSampleId :

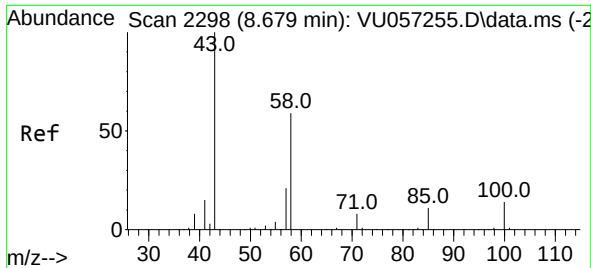
Tgt Ion:	97	Resp:	50801
Ion	Ratio	Lower	Upper
97	100		
99	60.3	47.0	87.2
83	90.7	62.1	115.3
85	55.5	42.8	79.6



#47
Tetrachloroethene
Concen: 4.518 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

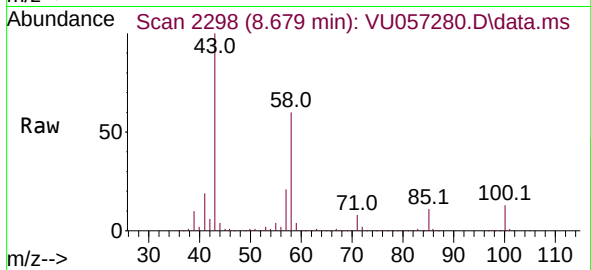
Tgt Ion:	164	Resp:	51762
Ion	Ratio	Lower	Upper
164	100		
129	105.8	72.9	135.3
131	100.3	71.7	133.3
166	129.0	87.7	162.9



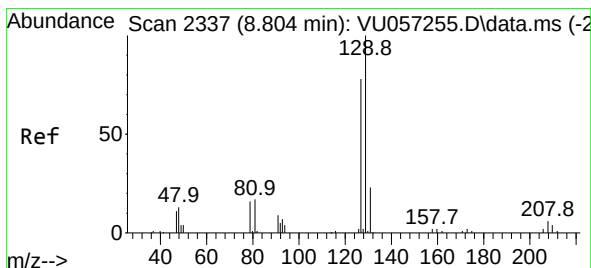
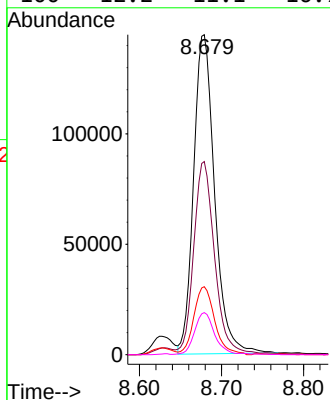
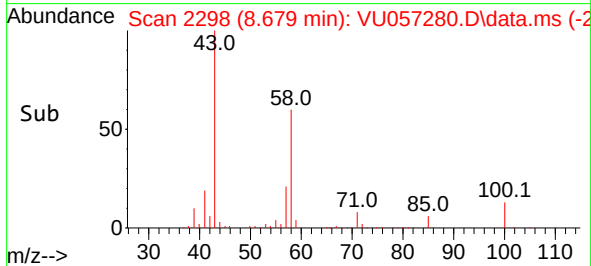


#48
2-Hexanone
Concen: 59.261 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Instrument :
MSVOA_U
ClientSampleId :

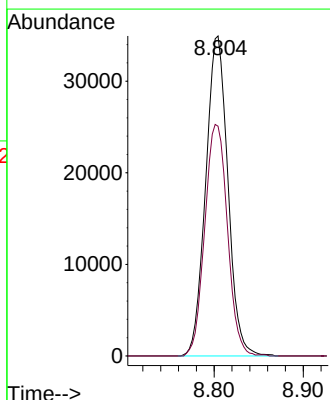
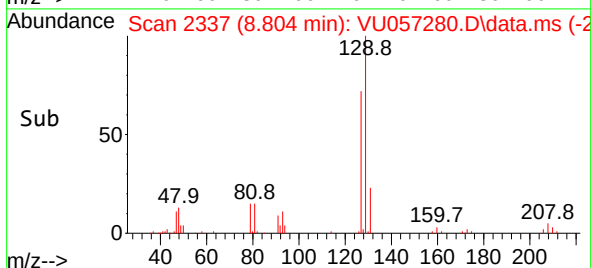
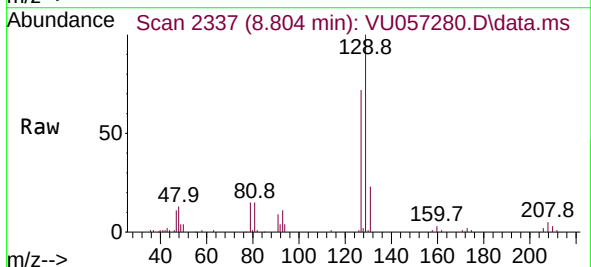


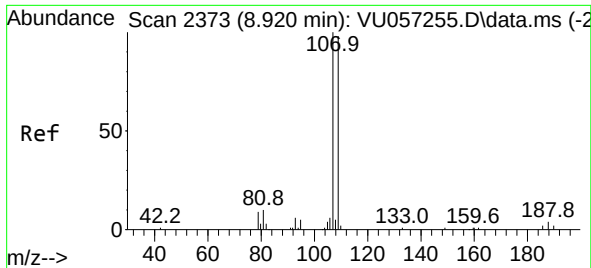
Tgt Ion: 43 Resp: 257751
Ion Ratio Lower Upper
43 100
58 59.0 49.8 74.8
57 21.1 18.5 27.7
100 12.2 11.1 16.7



#49
Dibromochloromethane
Concen: 4.955 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

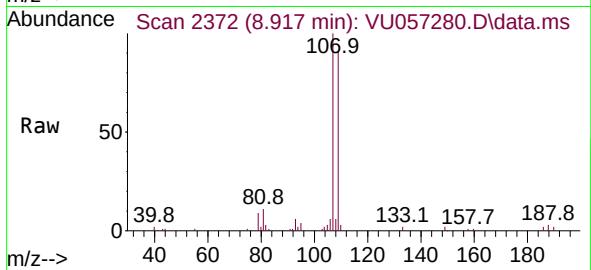
Tgt Ion: 129 Resp: 60268
Ion Ratio Lower Upper
129 100
127 71.8 55.2 102.6





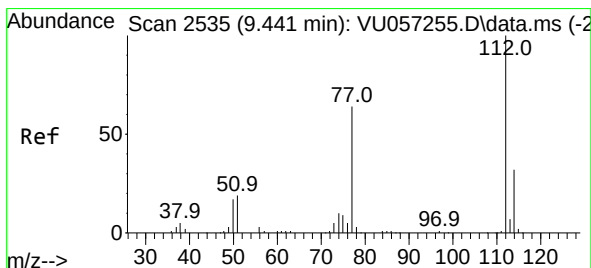
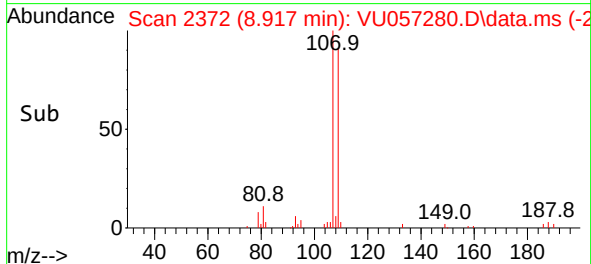
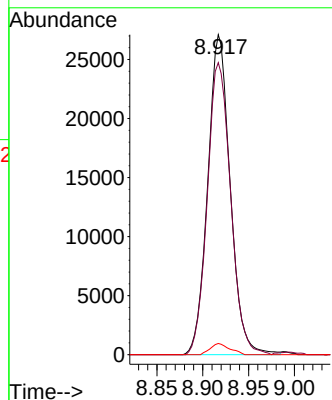
#50
 1,2-Dibromoethane
 Concen: 5.256 ug/L
 RT: 8.917 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU057280.D
 Acq: 27 Dec 2023 11:23

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:107 Resp: 46300

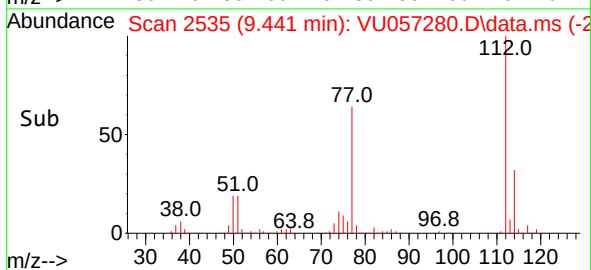
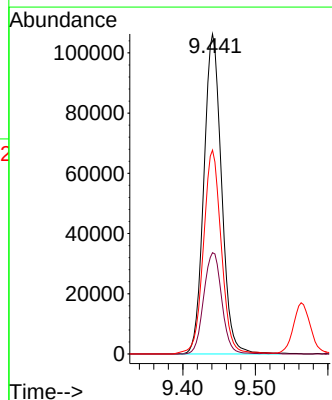
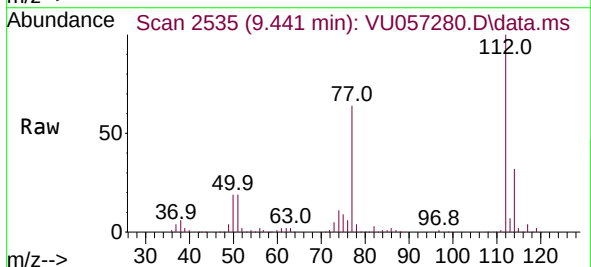
Ion	Ratio	Lower	Upper
107	100		
109	91.2	66.8	124.2
188	3.5	2.6	4.0

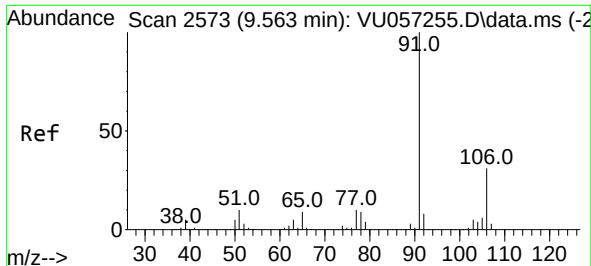


#51
 Chlorobenzene
 Concen: 4.768 ug/L
 RT: 9.441 min Scan# 2535
 Delta R.T. 0.000 min
 Lab File: VU057280.D
 Acq: 27 Dec 2023 11:23

Tgt Ion:112 Resp: 179776

Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.7	42.1
77	63.7	52.2	78.2

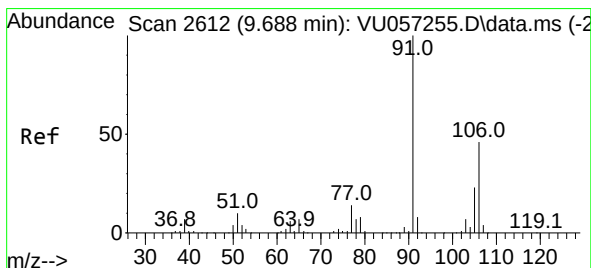
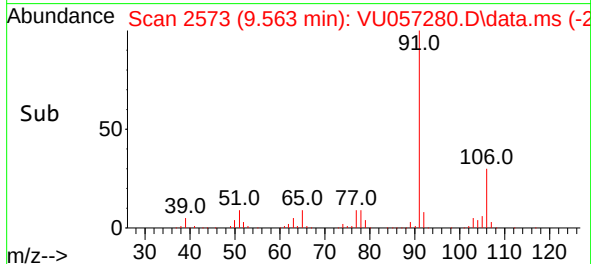
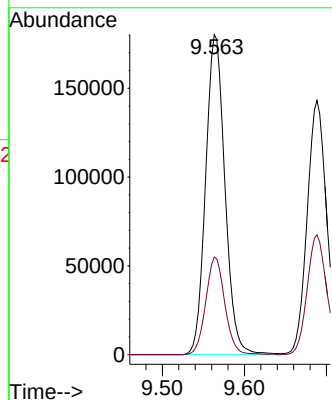
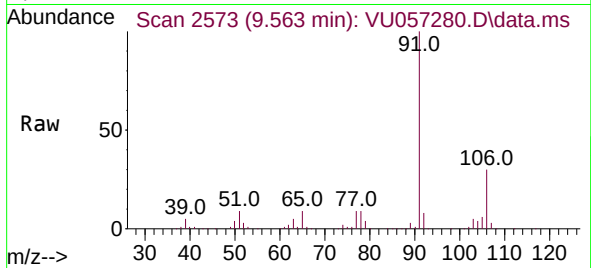




#52
Ethylbenzene
Concen: 4.525 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

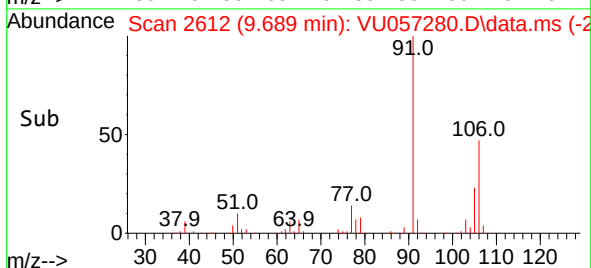
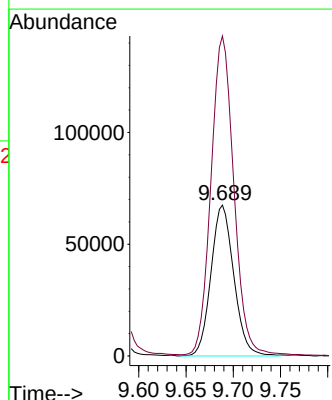
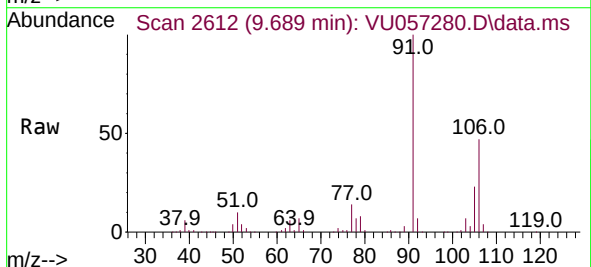
Instrument :
MSVOA_U
ClientSampleId :

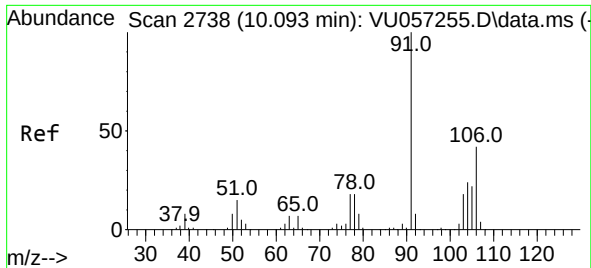
Tgt Ion: 91 Resp: 295440
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.2



#53
m,p-Xylene
Concen: 4.749 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion: 106 Resp: 113408
Ion Ratio Lower Upper
106 100
91 212.2 154.5 286.9

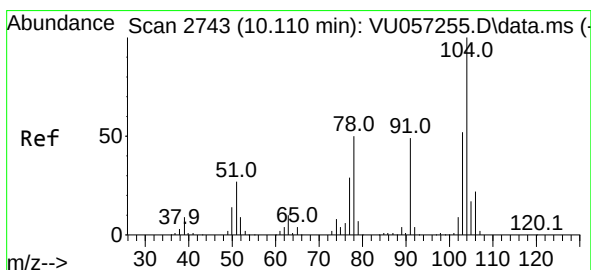
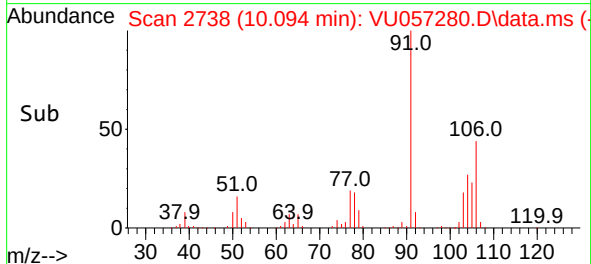
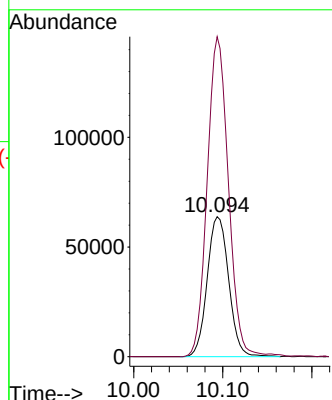
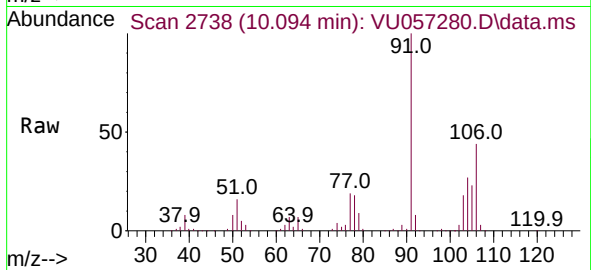




#54
o-Xylene
Concen: 4.643 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

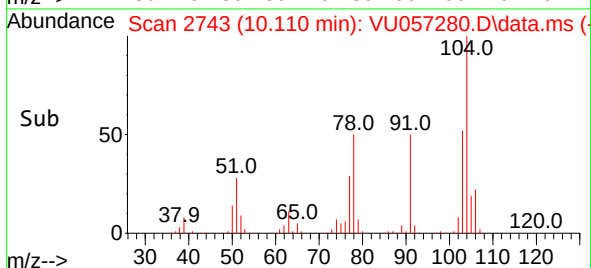
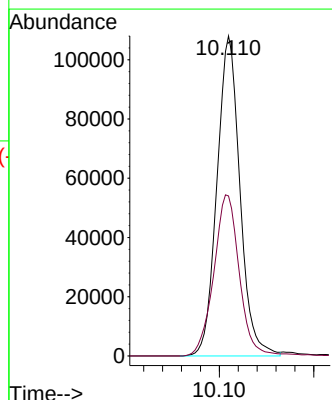
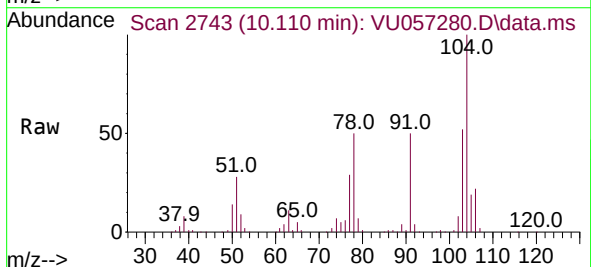
Instrument :
MSVOA_U
ClientSampleId :

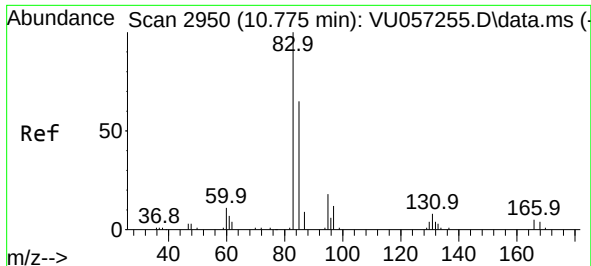
Tgt Ion:106 Resp: 106987
Ion Ratio Lower Upper
106 100
91 228.5 165.4 307.2



#55
Styrene
Concen: 4.804 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion:104 Resp: 182555
Ion Ratio Lower Upper
104 100
78 50.0 35.8 66.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.451 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU057280.D

Acq: 27 Dec 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

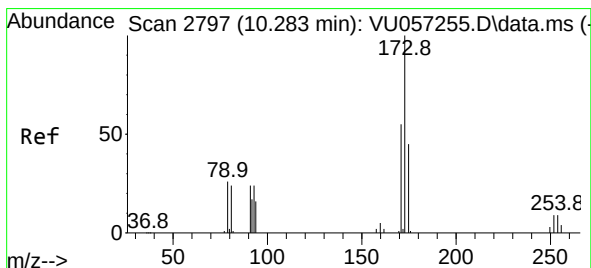
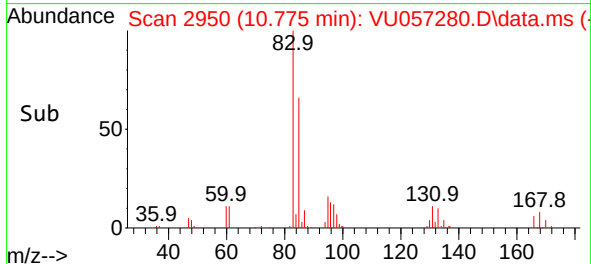
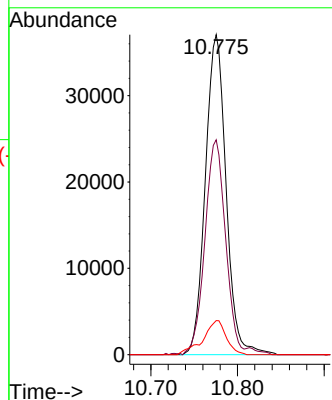
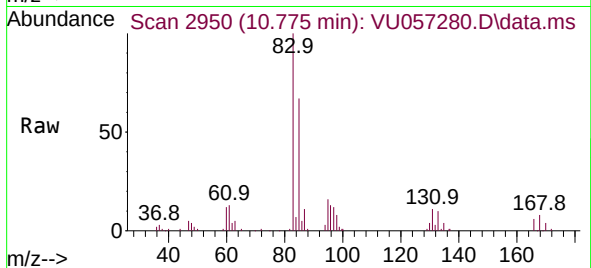
Tgt Ion: 83 Resp: 61670

Ion Ratio Lower Upper

83 100

85 67.2 45.8 85.2

131 10.7 7.0 10.6#



#59

Bromoform

Concen: 4.722 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU057280.D

Acq: 27 Dec 2023 11:23

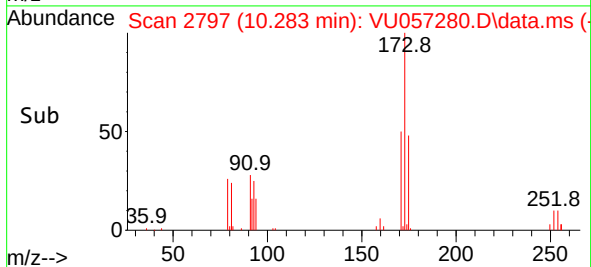
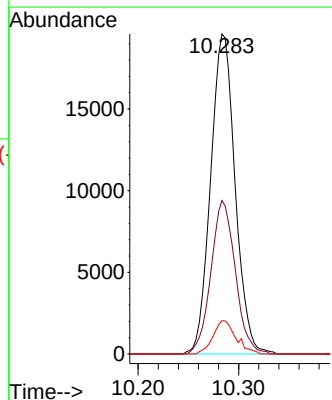
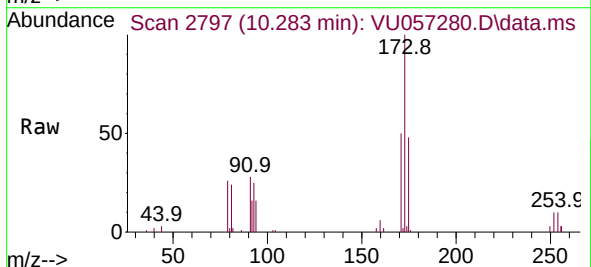
Tgt Ion:173 Resp: 33177

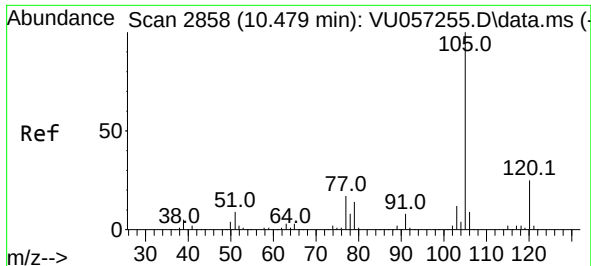
Ion Ratio Lower Upper

173 100

175 47.6 40.5 60.7

254 9.8 8.1 12.1

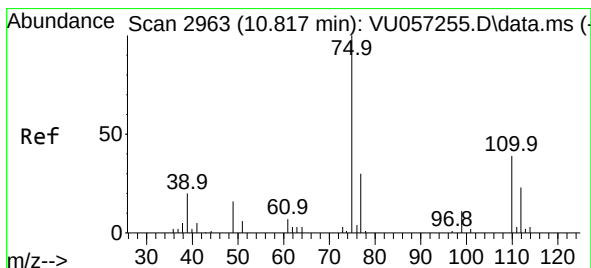
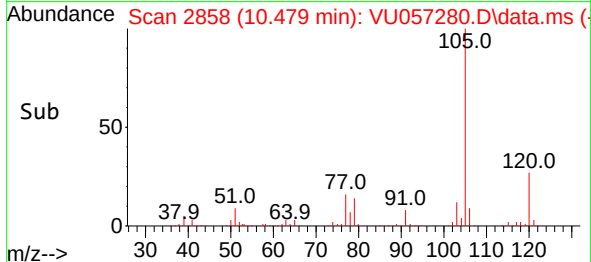
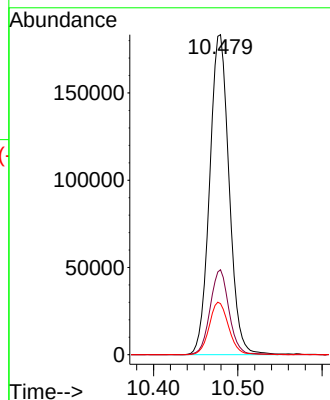
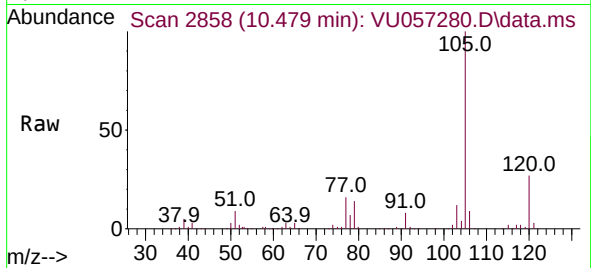




#60
Isopropylbenzene
Concen: 4.358 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

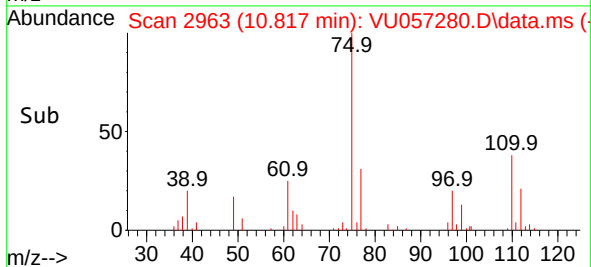
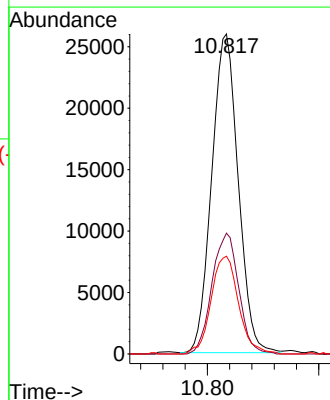
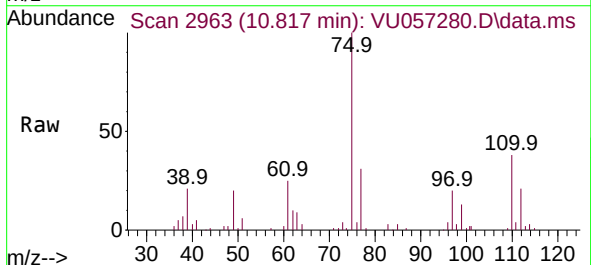
Instrument :
MSVOA_U
ClientSampleId :

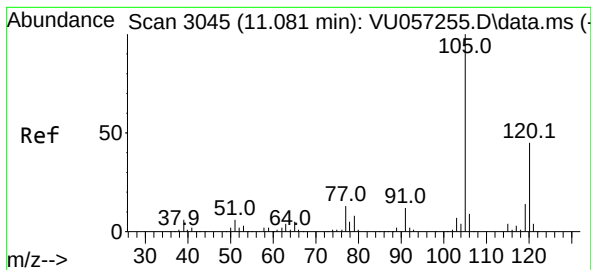
Tgt Ion:105 Resp: 294234
Ion Ratio Lower Upper
105 100
120 25.8 19.8 29.8
77 16.4 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 5.009 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion: 75 Resp: 42732
Ion Ratio Lower Upper
75 100
110 38.3 31.2 46.8
77 32.0 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 4.071 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU057280.D

Acq: 27 Dec 2023 11:23

Instrument :

MSVOA_U

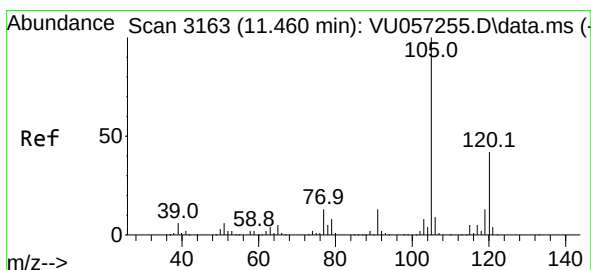
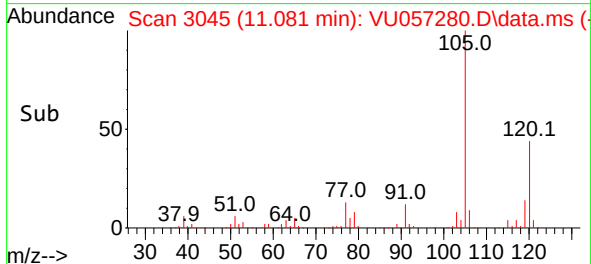
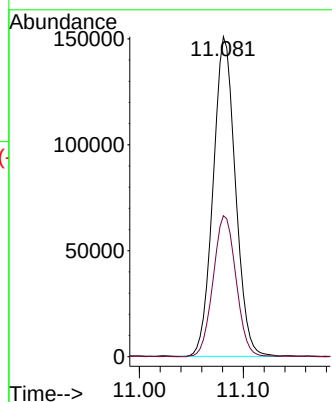
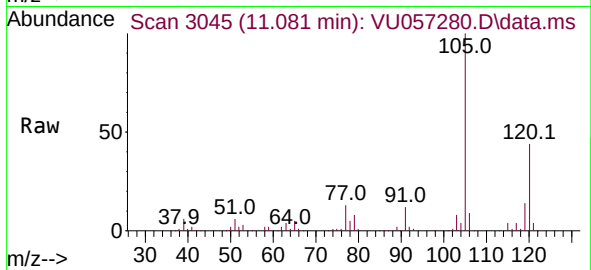
ClientSampleId :

Tgt Ion:105 Resp: 225192

Ion Ratio Lower Upper

105 100

120 45.3 35.8 53.8



#63

1,2,4-Trimethylbenzene

Concen: 4.184 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU057280.D

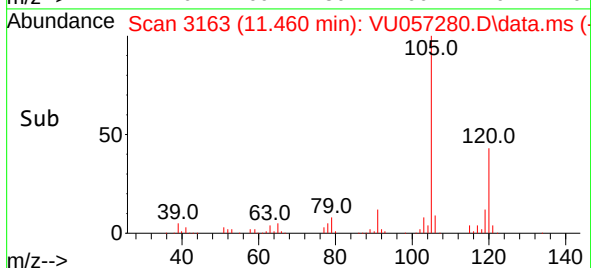
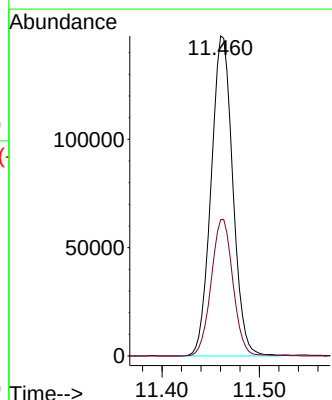
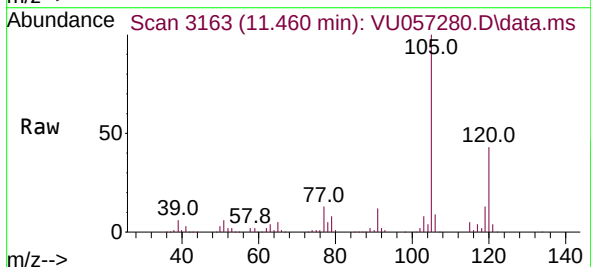
Acq: 27 Dec 2023 11:23

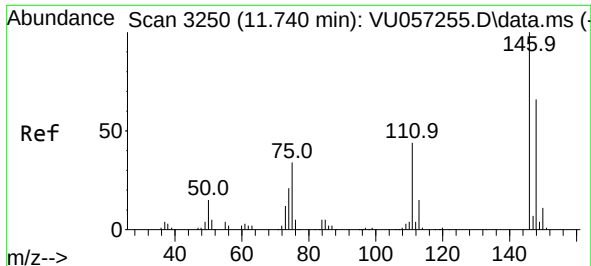
Tgt Ion:105 Resp: 228410

Ion Ratio Lower Upper

105 100

120 43.0 33.9 50.9

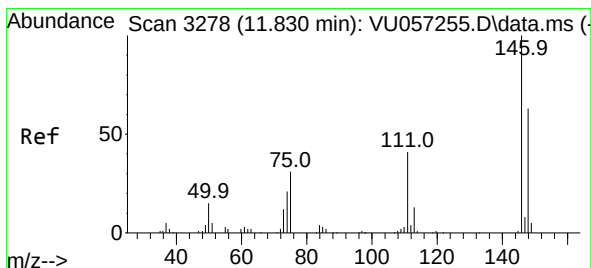
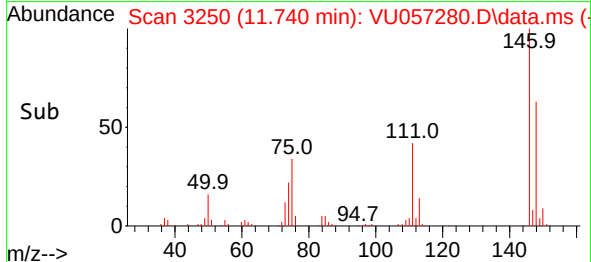
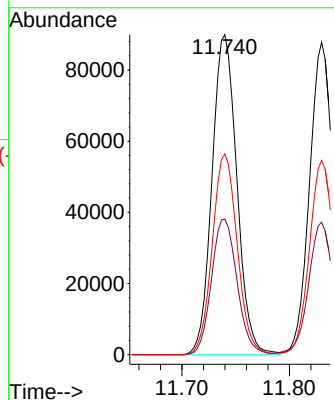
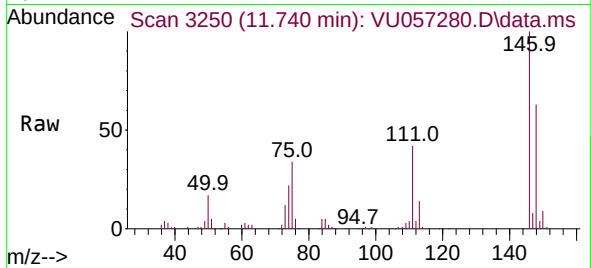




#64
1,3-Dichlorobenzene
Concen: 4.530 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

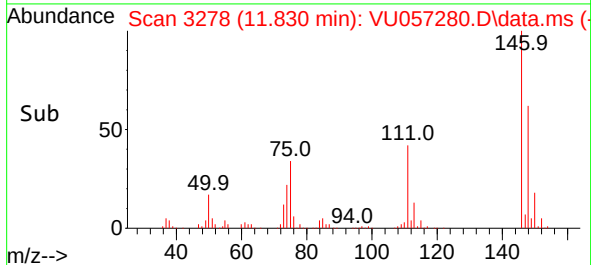
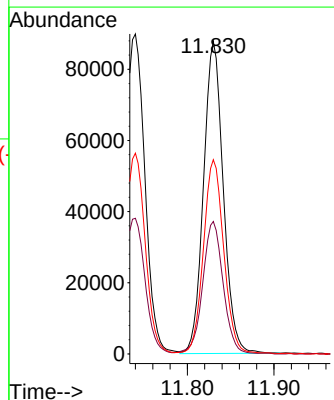
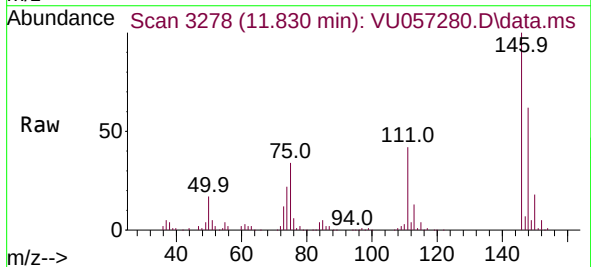
Instrument :
MSVOA_U
ClientSampleId :

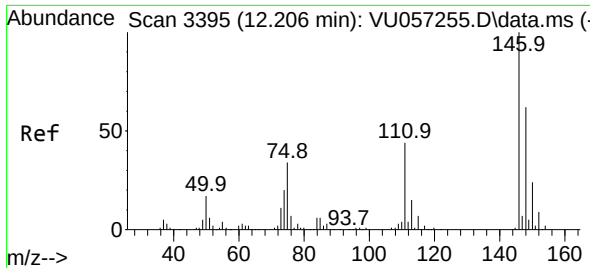
Tgt Ion:146 Resp: 144549
Ion Ratio Lower Upper
146 100
111 42.4 30.4 56.4
148 62.8 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.321 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU057280.D
Acq: 27 Dec 2023 11:23

Tgt Ion:146 Resp: 138809
Ion Ratio Lower Upper
146 100
111 42.4 28.1 52.3
148 62.1 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 4.440 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057280.D

Acq: 27 Dec 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

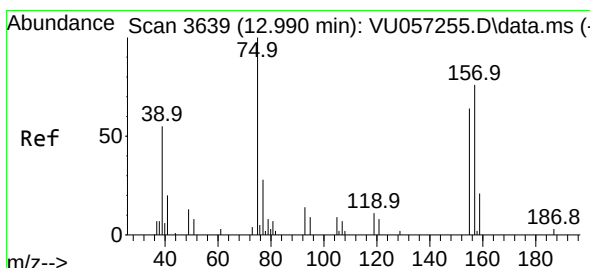
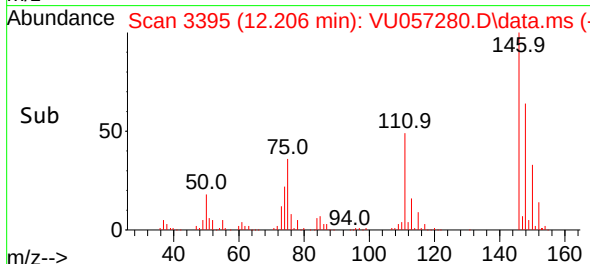
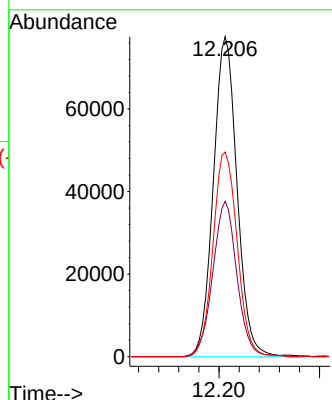
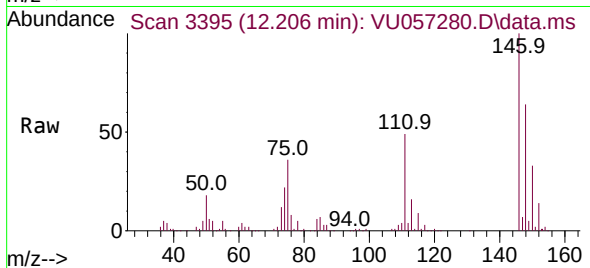
Tgt Ion:146 Resp: 126698

Ion Ratio Lower Upper

146 100

111 48.6 37.9 56.9

148 63.9 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.659 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057280.D

Acq: 27 Dec 2023 11:23

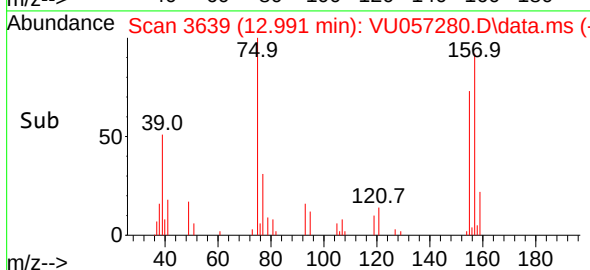
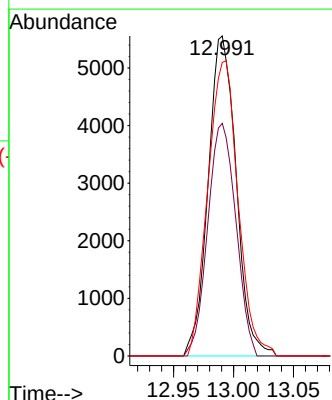
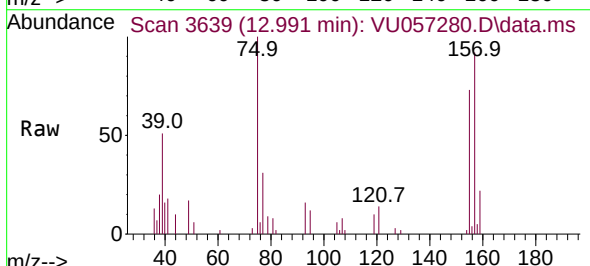
Tgt Ion: 75 Resp: 9015

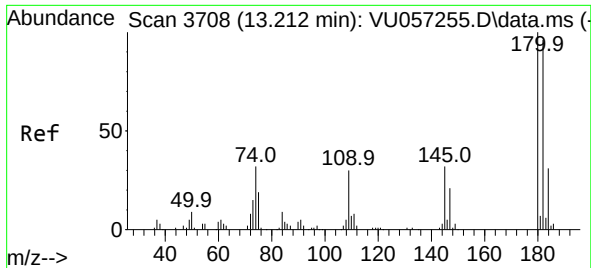
Ion Ratio Lower Upper

75 100

155 72.7 61.4 92.0

157 91.8 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 3.984 ug/L

RT: 13.213 min Scan# 31

Delta R.T. 0.000 min

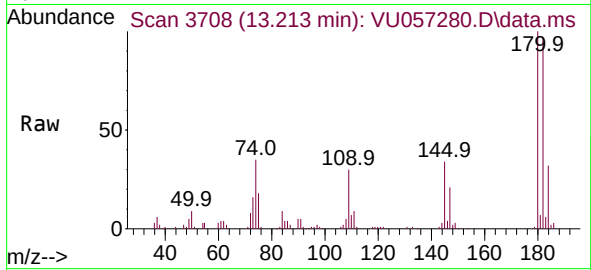
Lab File: VU057280.D

Acq: 27 Dec 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 94565

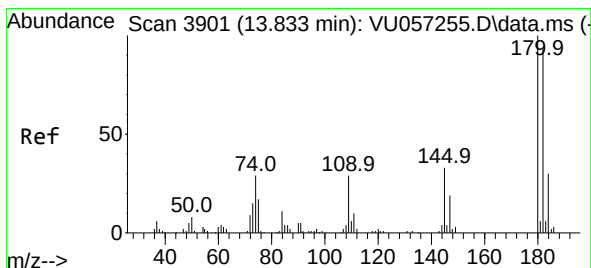
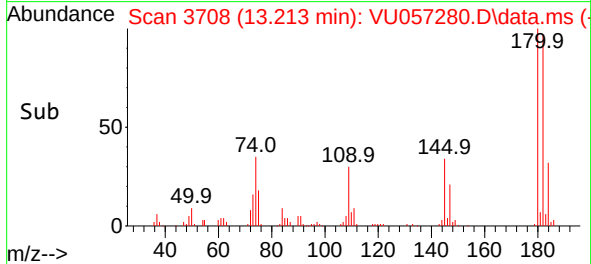
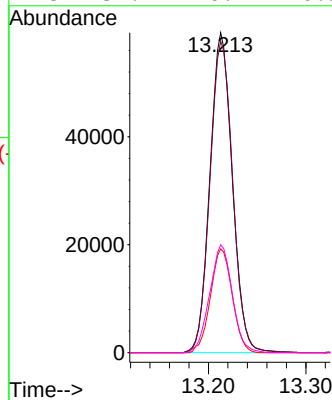
Ion Ratio Lower Upper

180 100

182 98.7 75.6 113.4

184 31.5 24.2 36.2

145 34.1 26.9 40.3



#70

1,2,4-trichlorobenzene

Concen: 3.838 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU057280.D

Acq: 27 Dec 2023 11:23

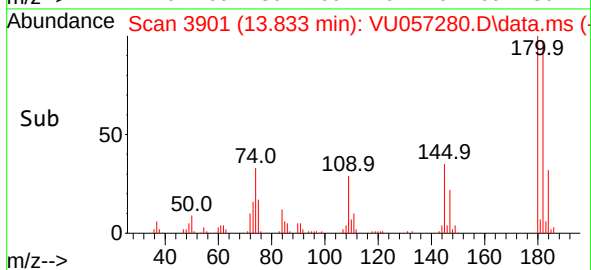
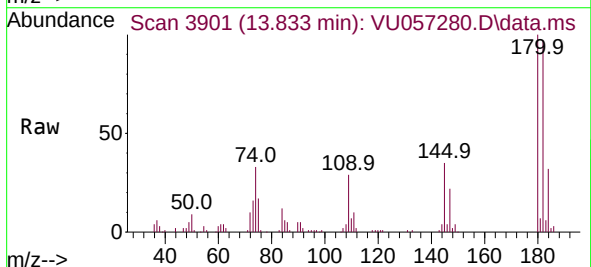
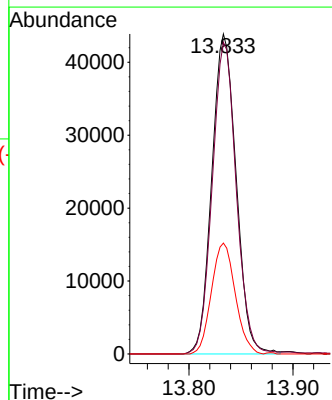
Tgt Ion:180 Resp: 71343

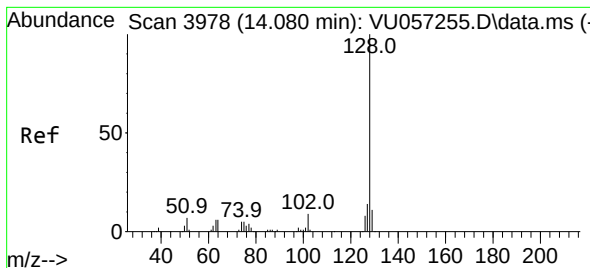
Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.0

145 33.9 27.7 41.5





#71

Naphthalene

Concen: 4.033 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU057280.D

Acq: 27 Dec 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

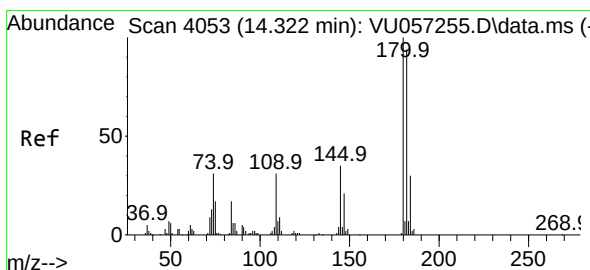
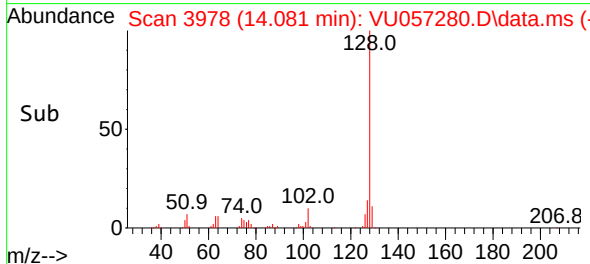
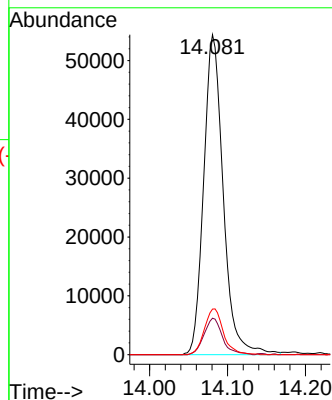
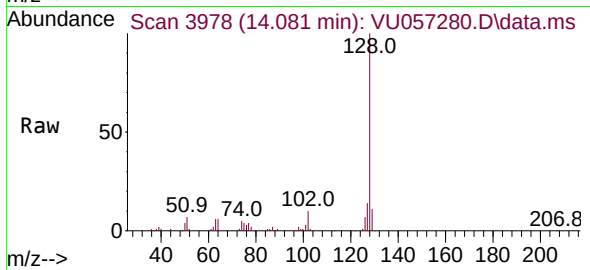
Tgt Ion:128 Resp: 94822

Ion Ratio Lower Upper

128 100

129 10.8 8.2 12.4

127 13.9 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.161 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU057280.D

Acq: 27 Dec 2023 11:23

Tgt Ion:180 Resp: 60328

Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.4

145 36.4 28.9 43.3

