

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122923\
 Data File : VU057372.D
 Acq On : 29 Dec 2023 15:33
 Operator : MD/SY
 Sample : MDL06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 29 23:06:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 29 23:01:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.241	114	139199	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	137494	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	61248	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	30390	2.540	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	50.800%
7) Chloroethane-d5	1.910	69	33491	3.484	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.600%
11) 1,1-Dichloroethene-d2	2.560	65	16638	3.493	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.800%
20) 2-Butanone-d5	4.643	46	91202	33.650	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	67.300%
24) Chloroform-d	5.055	84	99396	4.671	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.695	65	55938	5.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	5.721	84	158449	4.043	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.800%
36) 1,2-Dichloropropane-d6	6.685	67	45647	3.717	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.400%
41) Toluene-d8	7.891	98	137515	4.067	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	8.177	79	20162	4.091	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.800%
46) 2-Hexanone-d5	8.630	63	68389	30.641	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	61.280%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	37892	3.674	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	53237	4.773	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	2018	0.200	ug/L #	84
3) Chloromethane	1.518	50	1912	0.171	ug/L #	75
5) Vinyl chloride	1.602	62	1830	0.157	ug/L #	47
6) Bromomethane	1.853	94	1372	0.250	ug/L	100
8) Chloroethane	1.930	64	1290	0.171	ug/L	96
9) Trichlorofluoromethane	2.136	101	4484	0.268	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	2313	0.228	ug/L #	85
12) 1,1-Dichloroethene	2.566	96	2256	0.248	ug/L #	1
14) Carbon disulfide	2.788	76	4422	0.170	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	4294	0.187	ug/L #	88
18) trans-1,2-Dichloroethene	3.357	96	1825	0.202	ug/L	87
19) 1,1-Dichloroethane	3.869	63	3615	0.191	ug/L #	88
22) cis-1,2-Dichloroethene	4.656	96	2386	0.229	ug/L #	66
23) Bromochloromethane	4.968	128	1111	0.238	ug/L #	63
27) 1,2-Dichloroethane	5.798	62	3238	0.258	ug/L #	76
29) 1,1,1-Trichloroethane	5.309	97	4990	0.287	ug/L	87
31) Carbon tetrachloride	5.518	117	3860	0.264	ug/L	95
33) Benzene	5.769	78	7701	0.194	ug/L	100
34) Trichloroethene	6.537	95	4907	0.465	ug/L	90

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

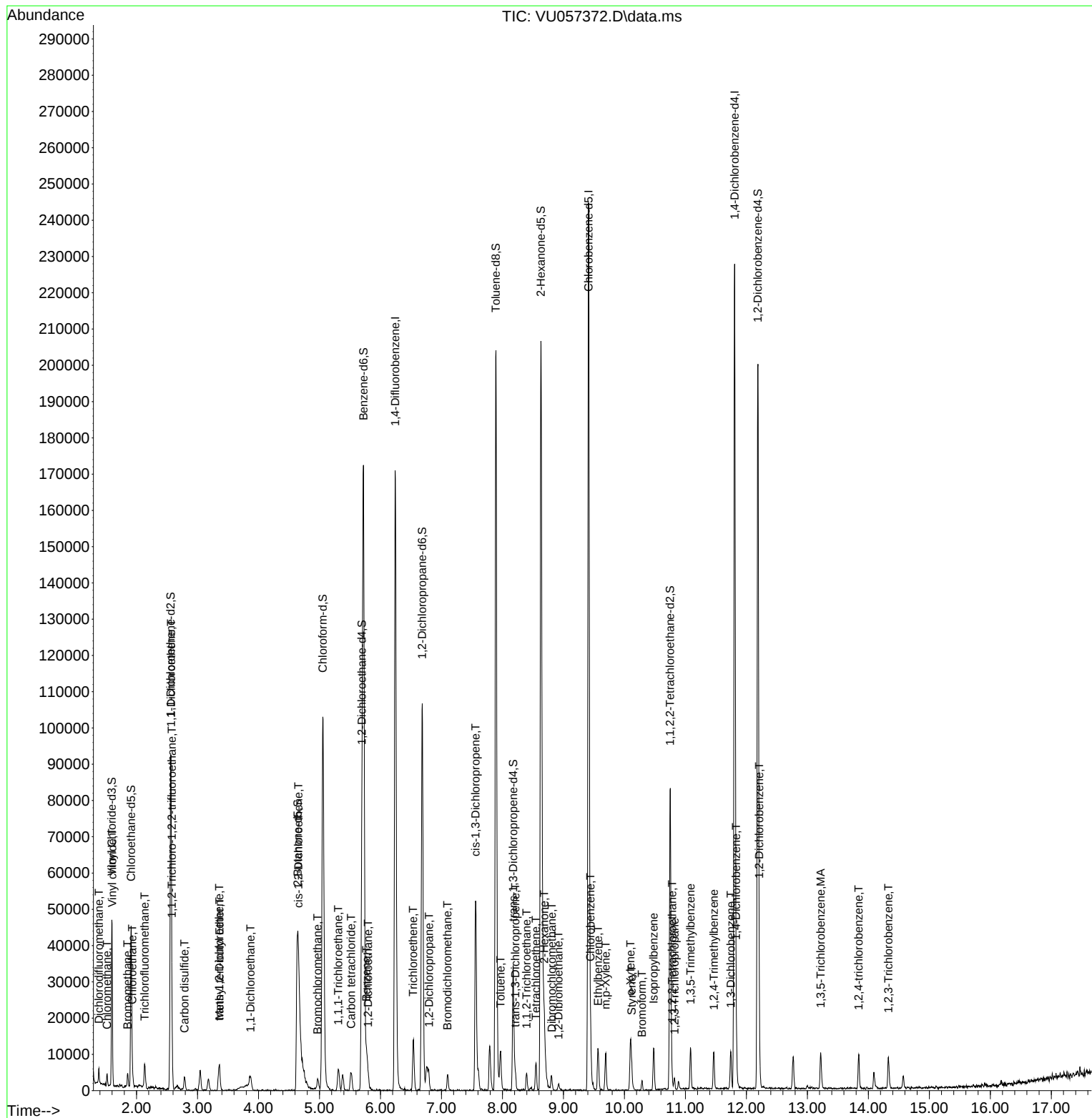
37) 1,2-Dichloropropane	6.795	63	1944	0.176	ug/L #	92
38) Bromodichloromethane	7.100	83	3130	0.220	ug/L	91
39) cis-1,3-Dichloropropene	7.560	75	1672	0.111	ug/L	90
42) Toluene	7.968	91	8530	0.200	ug/L	87
44) trans-1,3-Dichloropropene	8.212	75	2860	0.218	ug/L	92
45) 1,1,2-Trichloroethane	8.396	97	1560	0.194	ug/L #	52
47) Tetrachloroethene	8.547	164	1771	0.237	ug/L	81
48) 2-Hexanone	8.685	43	11506	2.779	ug/L #	92
49) Dibromochloromethane	8.807	129	2136	0.234	ug/L	98
50) 1,2-Dibromoethane	8.920	107	1443	0.200	ug/L #	86
51) Chlorobenzene	9.444	112	6268	0.242	ug/L	99
52) Ethylbenzene	9.569	91	9340	0.219	ug/L	97
53) m,p-Xylene	9.691	106	2692	0.166	ug/L	78
54) o-Xylene	10.100	106	2531	0.164	ug/L	85
55) Styrene	10.119	104	4243	0.164	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.781	83	1936	0.195	ug/L #	89
59) Bromoform	10.286	173	1106	0.231	ug/L #	93
60) Isopropylbenzene	10.479	105	7494	0.200	ug/L #	94
61) 1,2,3-Trichloropropane	10.823	75	1144	0.179	ug/L #	82
62) 1,3,5-Trimethylbenzene	11.087	105	6336	0.216	ug/L	89
63) 1,2,4-Trimethylbenzene	11.470	105	6334	0.217	ug/L	93
64) 1,3-Dichlorobenzene	11.746	146	4679	0.259	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	4857	0.264	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	3972	0.229	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.219	180	3926	0.304	ug/L	99
70) 1,2,4-trichlorobenzene	13.842	180	3350	0.327	ug/L	96
72) 1,2,3-Trichlorobenzene	14.328	180	3378	0.378	ug/L	91

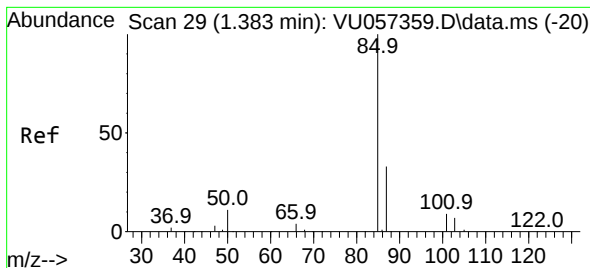
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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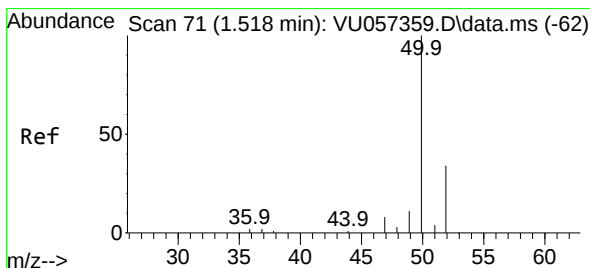
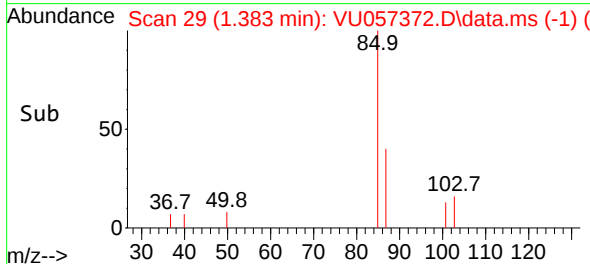
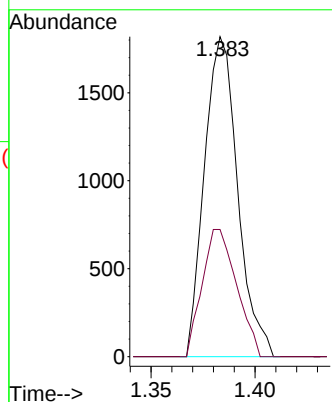
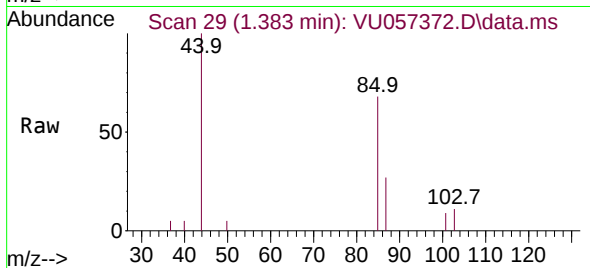




#2
 Dichlorodifluoromethane
 Concen: 0.200 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU057372.D
 Acq: 29 Dec 2023 15:33

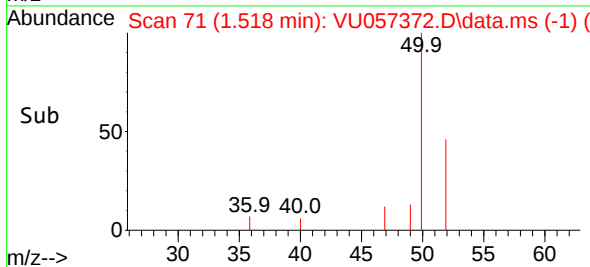
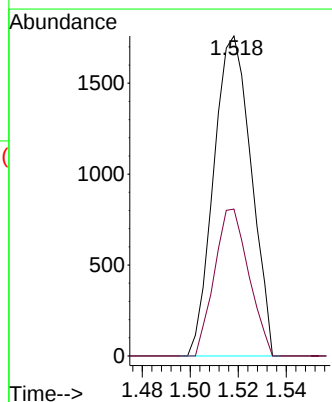
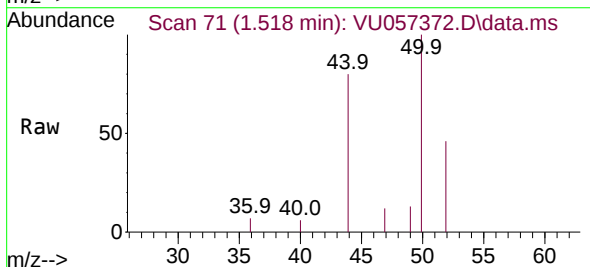
Instrument :
 MSVOA_U
 ClientSampleId :

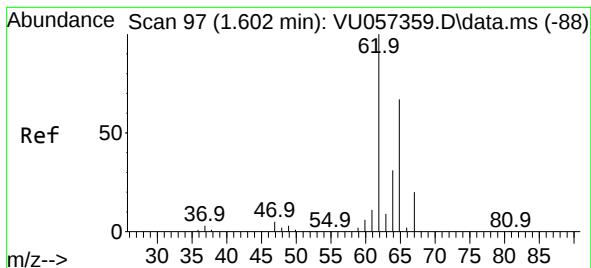
Tgt Ion: 85 Resp: 2018
 Ion Ratio Lower Upper
 85 100
 87 41.1 25.9 38.9#



#3
 Chloromethane
 Concen: 0.171 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057372.D
 Acq: 29 Dec 2023 15:33

Tgt Ion: 50 Resp: 1912
 Ion Ratio Lower Upper
 50 100
 52 45.9 22.5 41.7#





#5

Vinyl chloride

Concen: 0.157 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

Instrument :

MSVOA_U

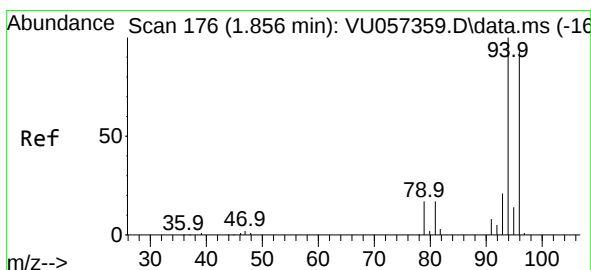
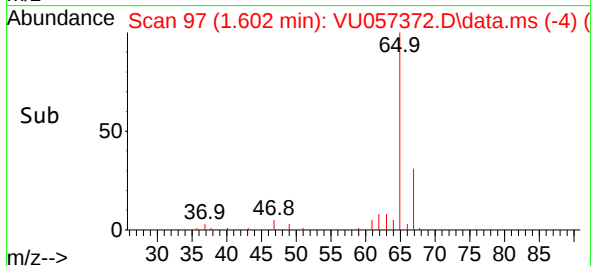
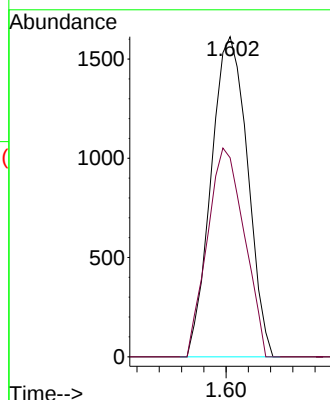
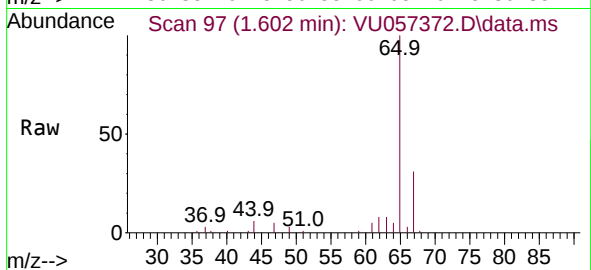
ClientSampleId :

Tgt Ion: 62 Resp: 1830

Ion Ratio Lower Upper

62 100

64 62.2 22.8 42.4#



#6

Bromomethane

Concen: 0.250 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.003 min

Lab File: VU057372.D

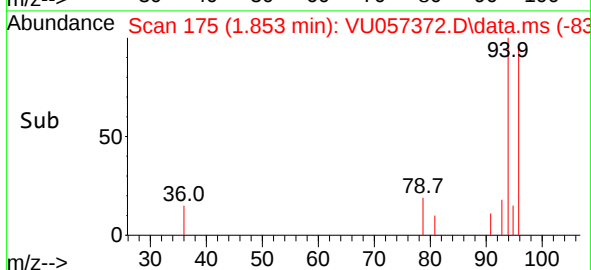
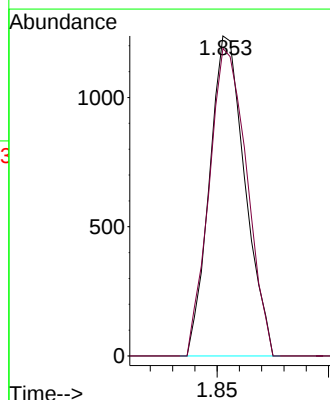
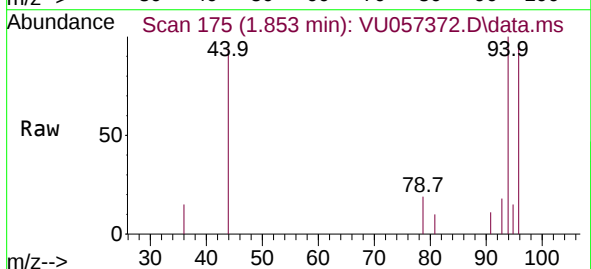
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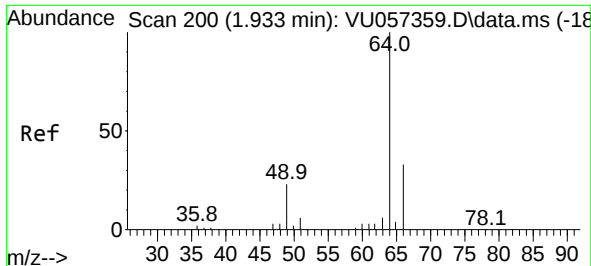
Tgt Ion: 94 Resp: 1372

Ion Ratio Lower Upper

94 100

96 96.1 67.3 125.1

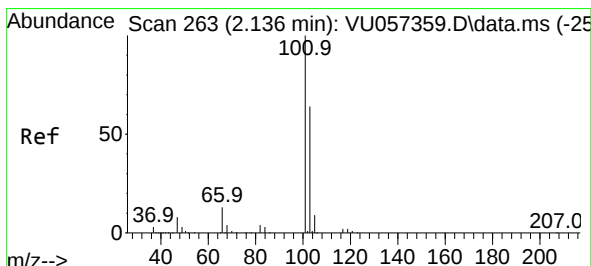
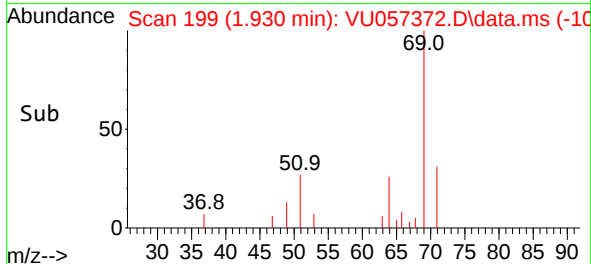
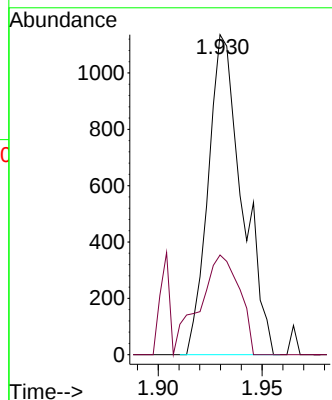
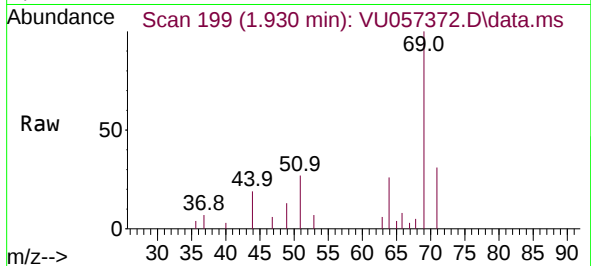




#8
Chloroethane
Concen: 0.171 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

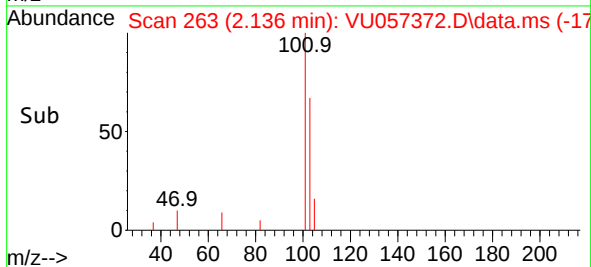
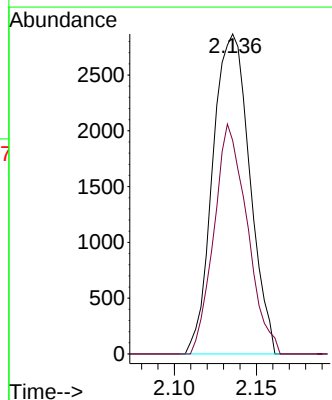
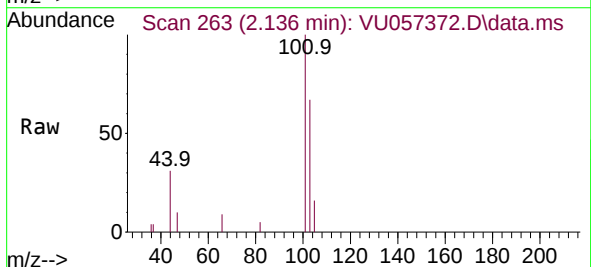
Instrument :
MSVOA_U
ClientSampleId :

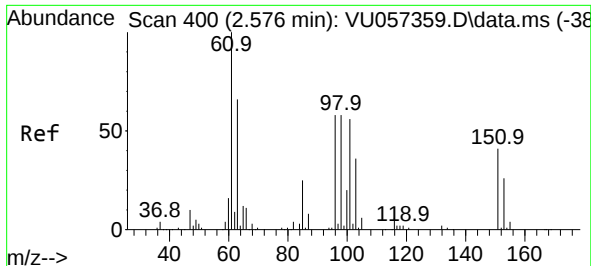
Tgt Ion: 64 Resp: 1290
Ion Ratio Lower Upper
64 100
66 31.2 23.3 43.3



#9
Trichlorofluoromethane
Concen: 0.268 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

Tgt Ion: 101 Resp: 4484
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.2

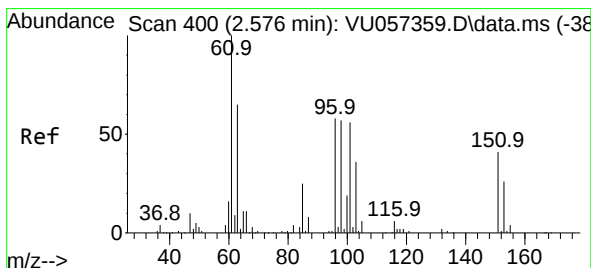
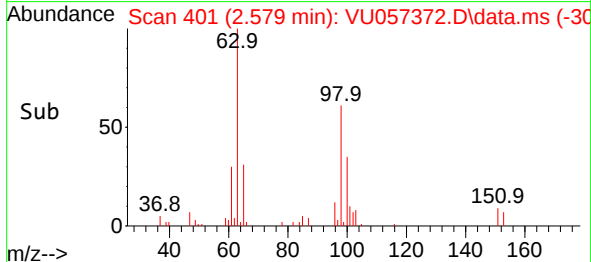
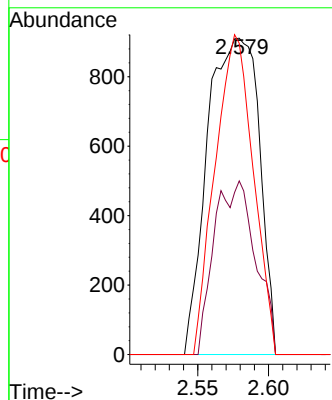
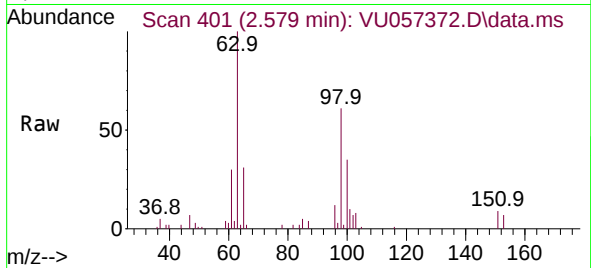




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.228 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU057372.D
 Acq: 29 Dec 2023 15:33

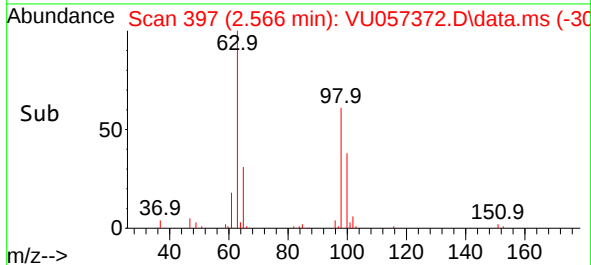
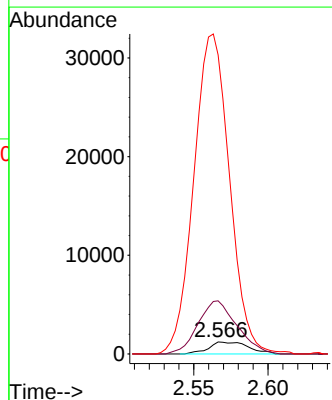
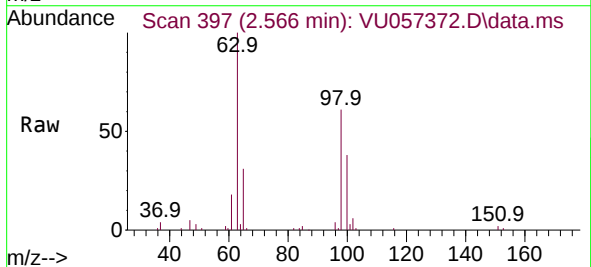
Instrument :
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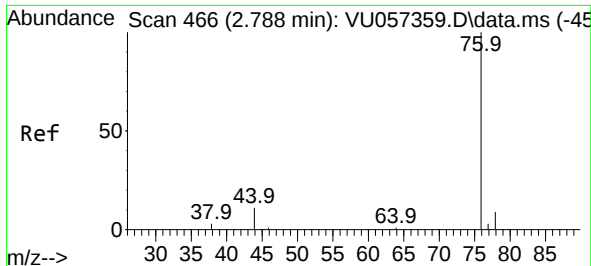
Tgt Ion:101 Resp: 2313
 Ion Ratio Lower Upper
 101 100
 85 24.5 35.1 52.7#
 151 74.7 55.8 83.6



#12
 1,1-Dichloroethene
 Concen: 0.248 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. -0.010 min
 Lab File: VU057372.D
 Acq: 29 Dec 2023 15:33

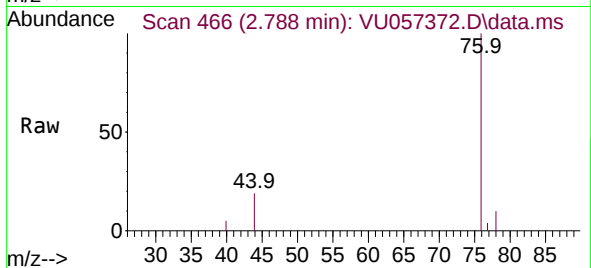
Tgt Ion: 96 Resp: 2256
 Ion Ratio Lower Upper
 96 100
 61 445.5 122.2 226.9#
 63 2505.1 99.2 184.2#



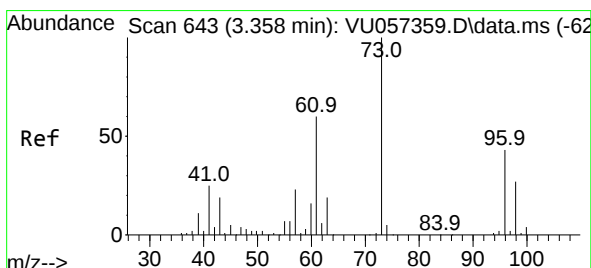
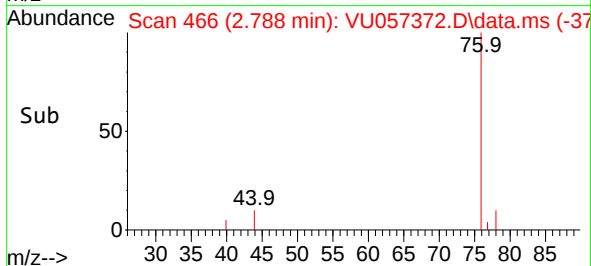
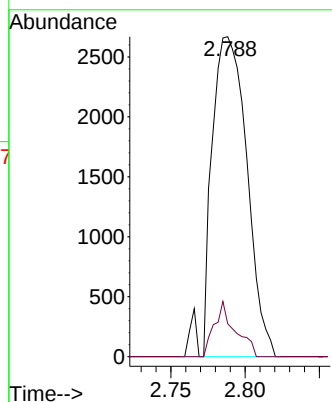


#14
Carbon disulfide
Concen: 0.170 ug/L
RT: 2.788 min Scan# 411
Delta R.T. -0.000 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

Instrument :
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ClientSampleId :

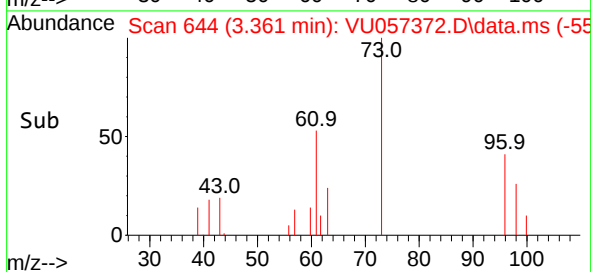
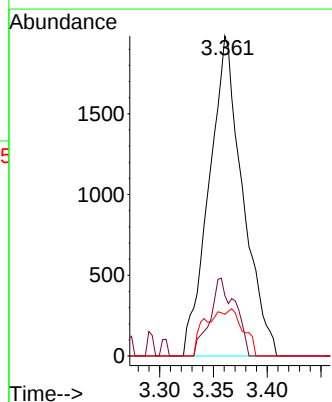
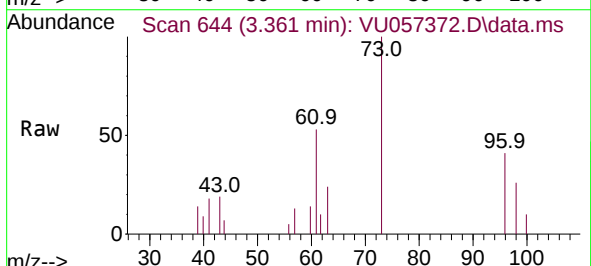


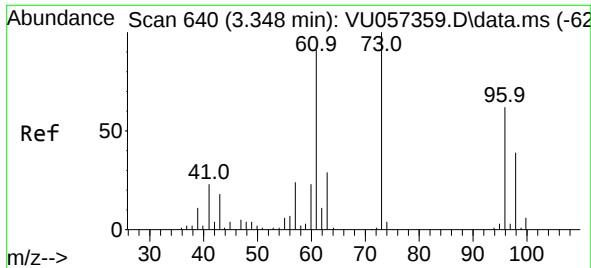
Tgt Ion: 76 Resp: 4422
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9



#17
Methyl tert-butyl Ether
Concen: 0.187 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU057372.D
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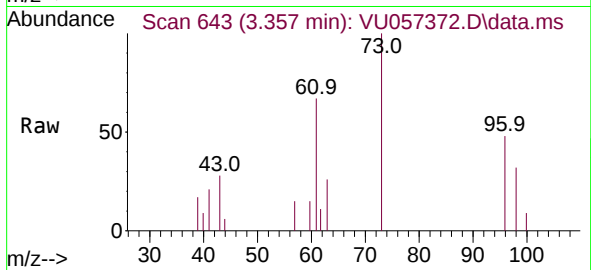
Tgt Ion: 73 Resp: 4294
Ion Ratio Lower Upper
73 100
43 18.4 15.2 22.8
57 11.9 17.8 26.8#



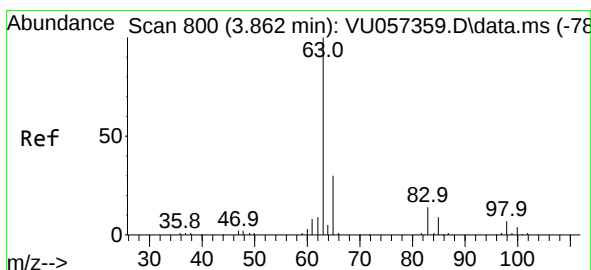
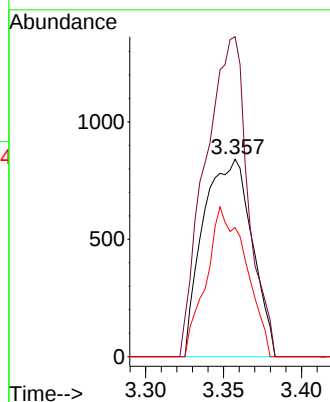
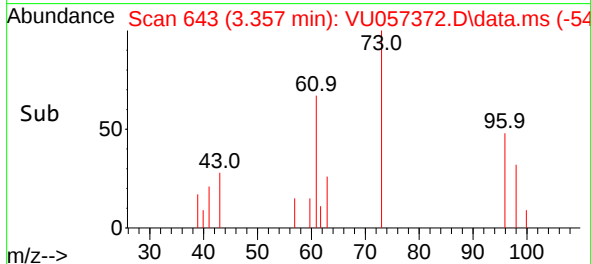


#18
trans-1,2-Dichloroethene
Concen: 0.202 ug/L
RT: 3.357 min Scan# 640
Delta R.T. 0.009 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

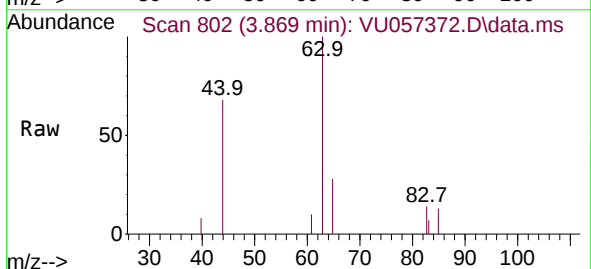
Instrument :
MSVOA_U
ClientSampleId :



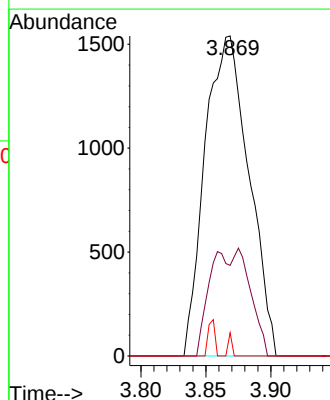
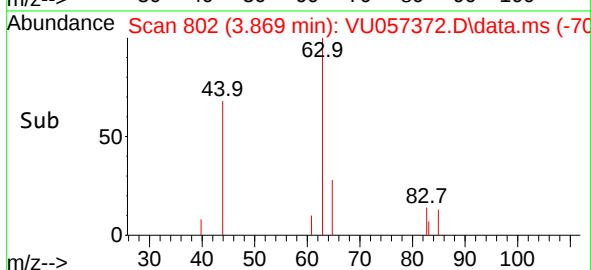
Tgt Ion: 96 Resp: 1825
Ion Ratio Lower Upper
96 100
61 162.1 97.5 181.1
98 65.4 45.9 85.3

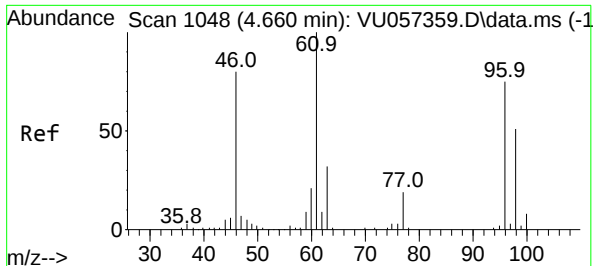


#19
1,1-Dichloroethane
Concen: 0.191 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.006 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33



Tgt Ion: 63 Resp: 3615
Ion Ratio Lower Upper
63 100
65 28.3 23.6 43.8
83 7.3 9.8 18.2#





#22

cis-1,2-Dichloroethene

Concen: 0.229 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU057372.D

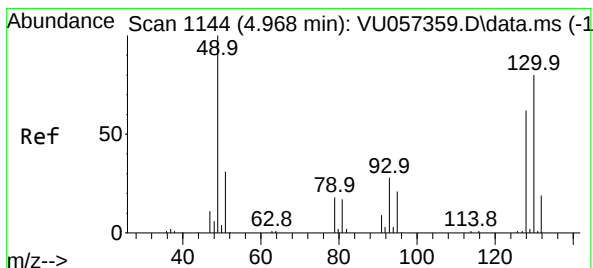
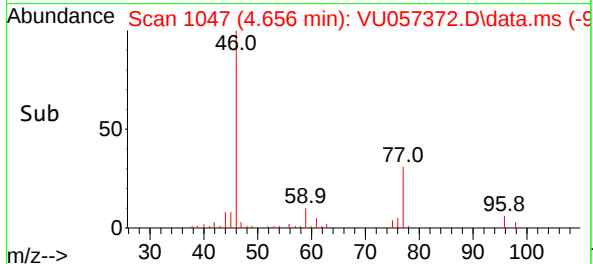
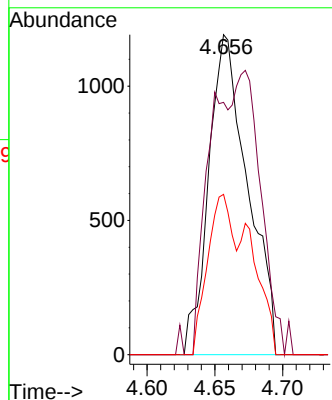
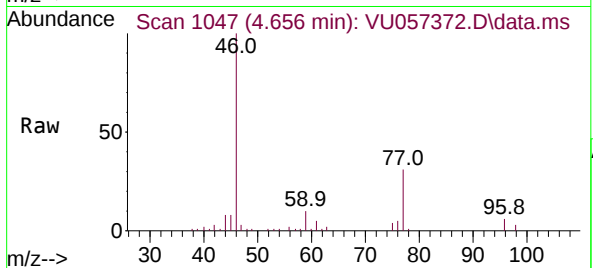
Acq: 29 Dec 2023 15:33

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	96	Resp:	2386
Ion	Ratio	Lower	Upper
96	100		
61	78.9	91.1	169.3#
98	50.1	42.6	79.0



#23

Bromochloromethane

Concen: 0.238 ug/L

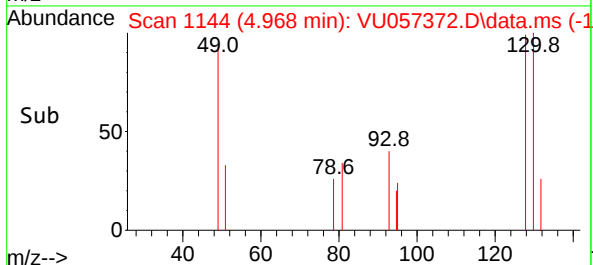
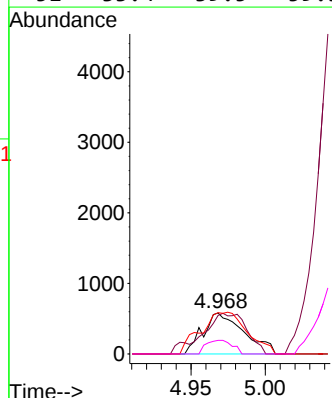
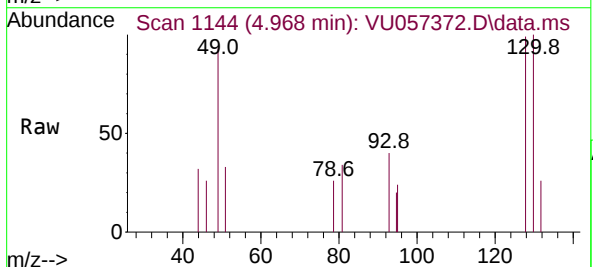
RT: 4.968 min Scan# 1144

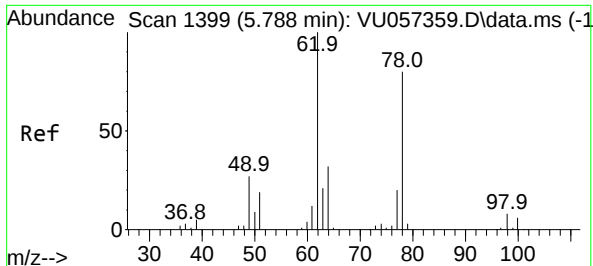
Delta R.T. -0.000 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

Tgt Ion:	128	Resp:	1111
Ion	Ratio	Lower	Upper
128	100		
49	94.0	113.1	210.1#
130	100.9	91.6	170.2
51	33.4	39.5	59.3#





#27

1,2-Dichloroethane

Concen: 0.258 ug/L

RT: 5.798 min Scan# 1402

Delta R.T. 0.009 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

Instrument :

MSVOA_U

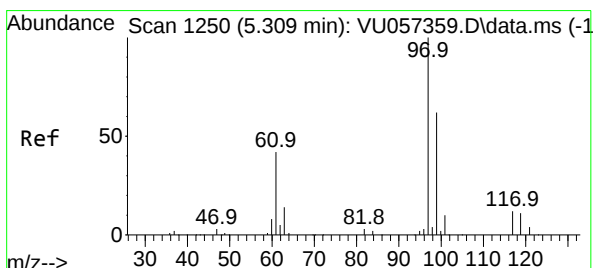
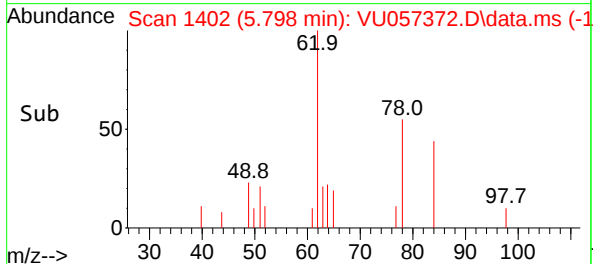
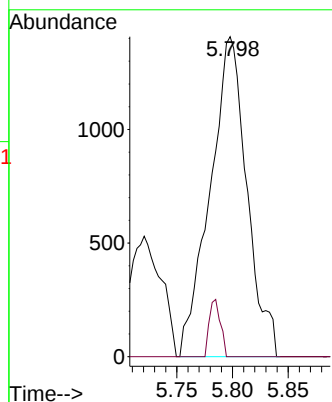
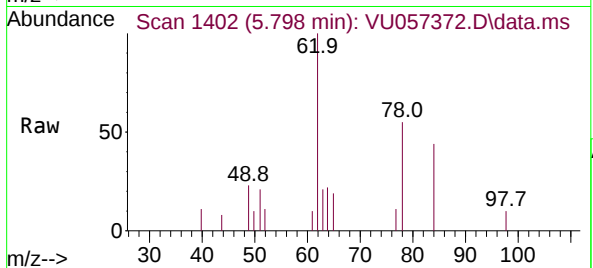
ClientSampleId :

Tgt Ion: 62 Resp: 3238

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.6#



#29

1,1,1-Trichloroethane

Concen: 0.287 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

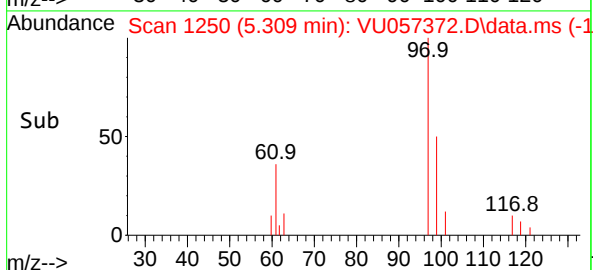
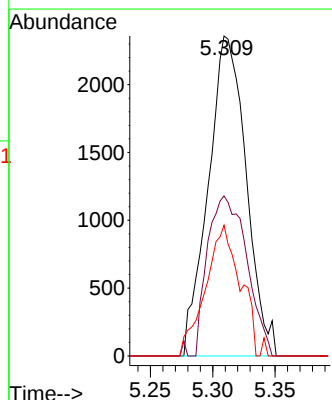
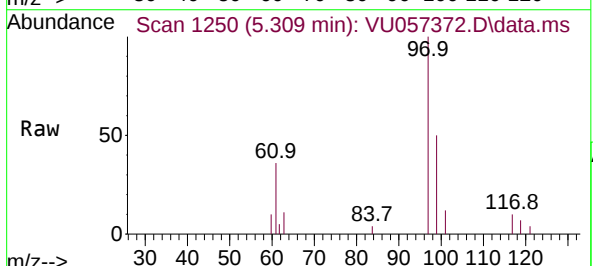
Tgt Ion: 97 Resp: 4990

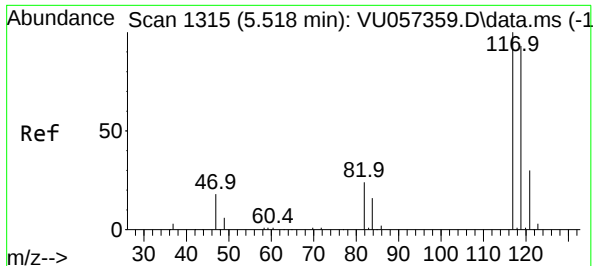
Ion Ratio Lower Upper

97 100

99 51.8 51.7 77.5

61 37.2 34.1 51.1

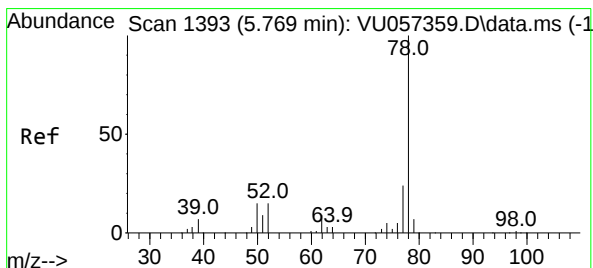
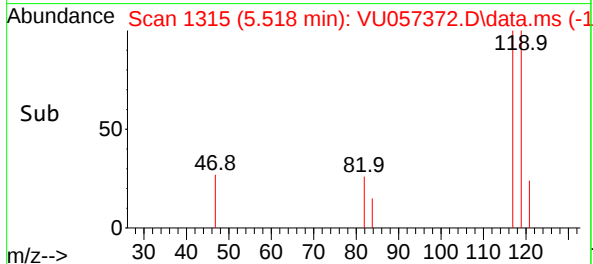
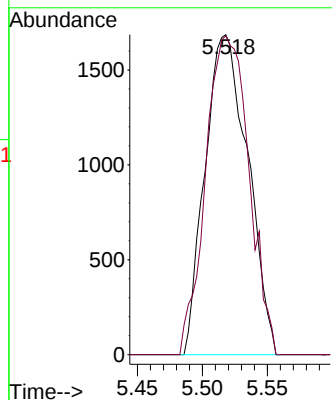
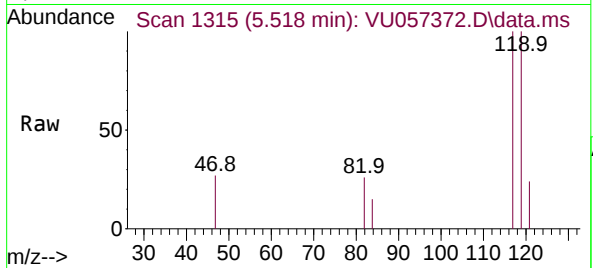




#31
Carbon tetrachloride
Concen: 0.264 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

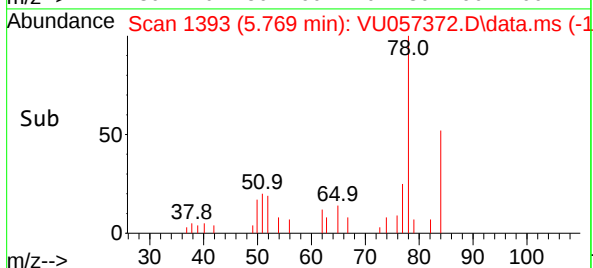
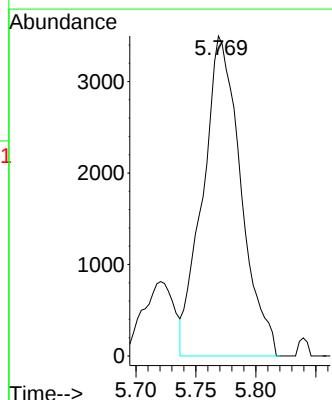
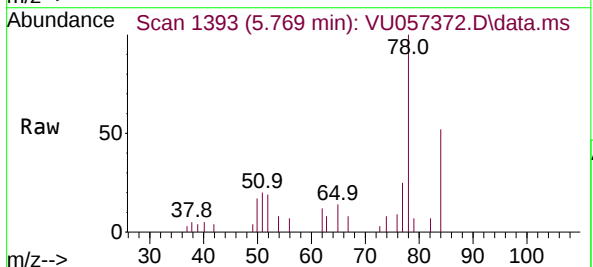
Instrument :
MSVOA_U
ClientSampleId :

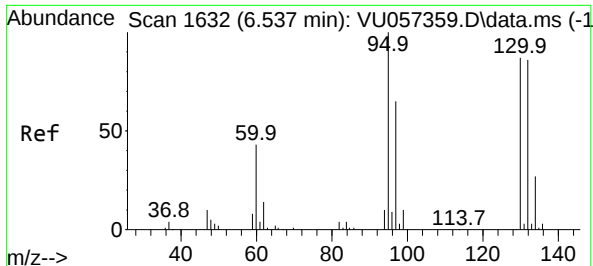
Tgt Ion:117 Resp: 3860
Ion Ratio Lower Upper
117 100
119 101.0 76.7 115.1



#33
Benzene
Concen: 0.194 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

Tgt Ion: 78 Resp: 7701



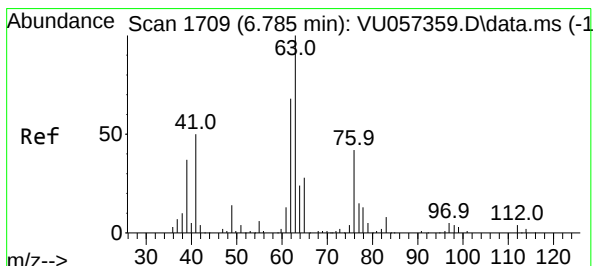
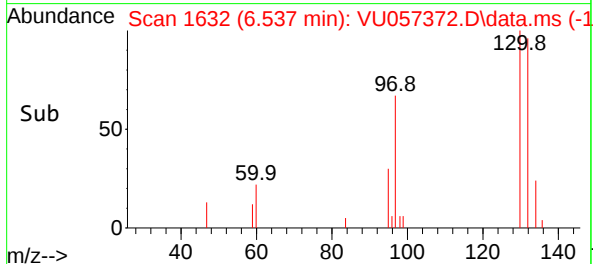
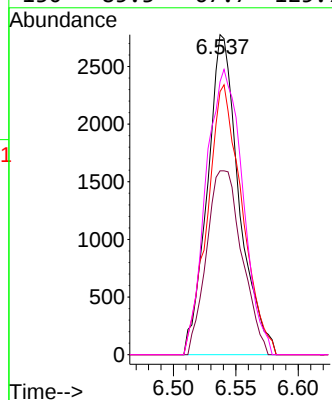
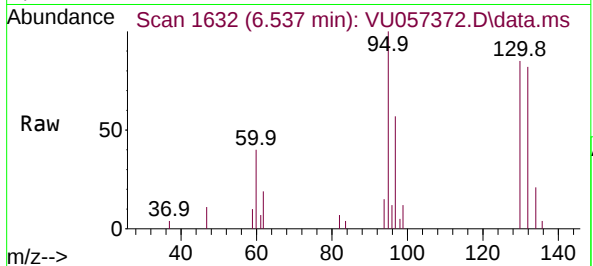


#34
Trichloroethene
Concen: 0.465 ug/L
RT: 6.537 min Scan# 1712
Delta R.T. -0.000 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 4907

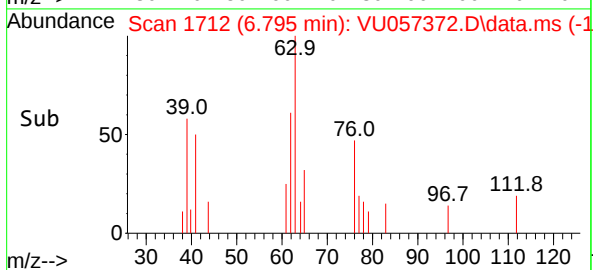
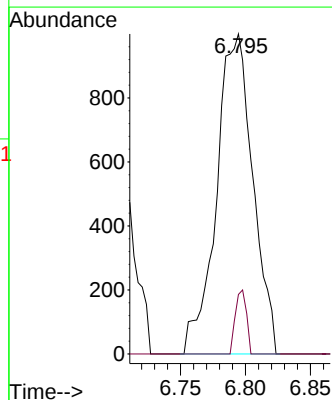
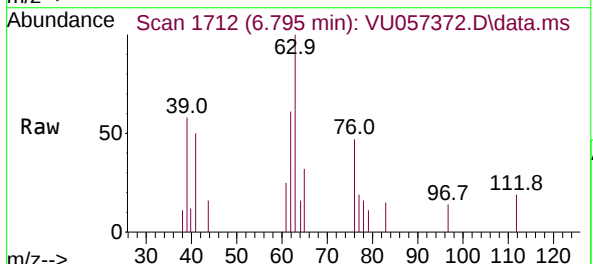
Ion	Ratio	Lower	Upper
95	100		
97	57.5	45.3	84.1
132	82.2	63.1	117.3
130	85.3	67.7	125.7

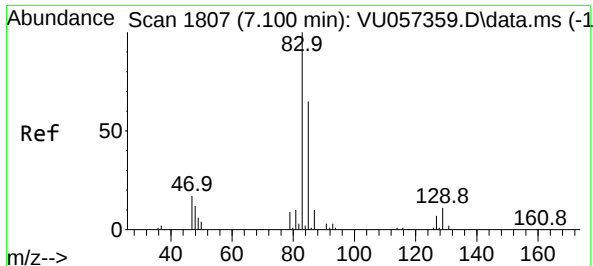


#37
1,2-Dichloropropane
Concen: 0.176 ug/L
RT: 6.795 min Scan# 1712
Delta R.T. 0.009 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

Tgt Ion: 63 Resp: 1944

Ion	Ratio	Lower	Upper
63	100		
112	6.1	2.9	4.3#

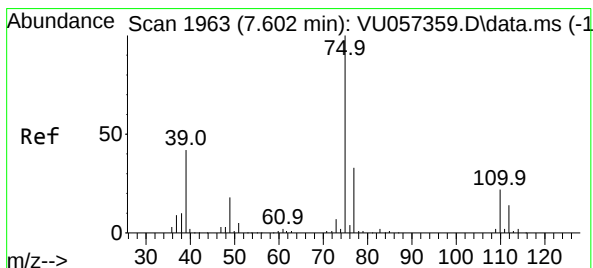
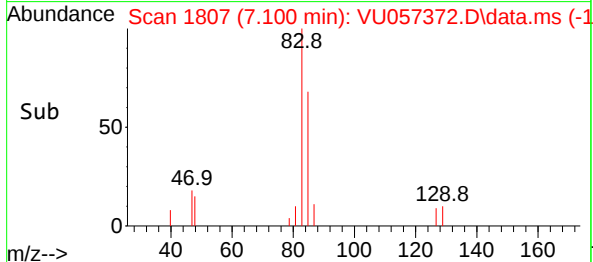
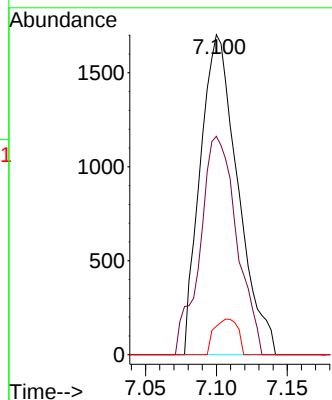
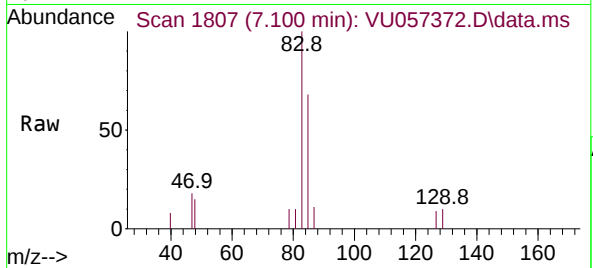




#38
Bromodichloromethane
Concen: 0.220 ug/L
RT: 7.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

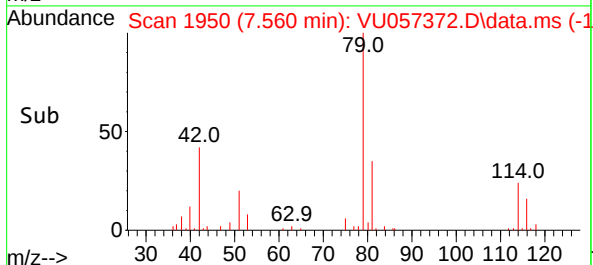
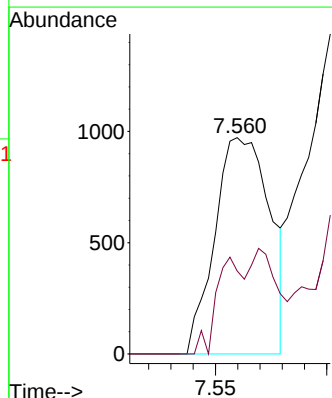
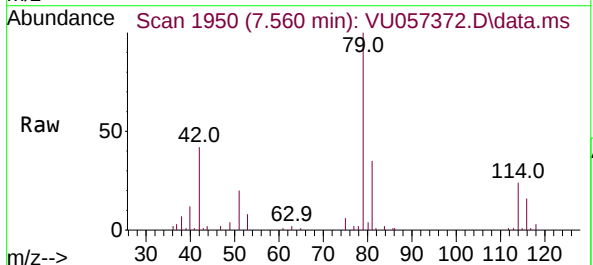
Instrument :
MSVOA_U
ClientSampleId :

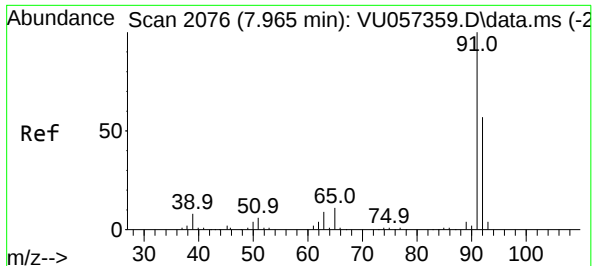
Tgt Ion: 83 Resp: 3130
Ion Ratio Lower Upper
83 100
85 68.2 42.6 79.0
127 8.9 6.8 10.2



#39
cis-1,3-Dichloropropene
Concen: 0.111 ug/L
RT: 7.560 min Scan# 1950
Delta R.T. -0.042 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

Tgt Ion: 75 Resp: 1672
Ion Ratio Lower Upper
75 100
77 38.4 23.0 42.8





#42

Toluene

Concen: 0.200 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

Instrument :

MSVOA_U

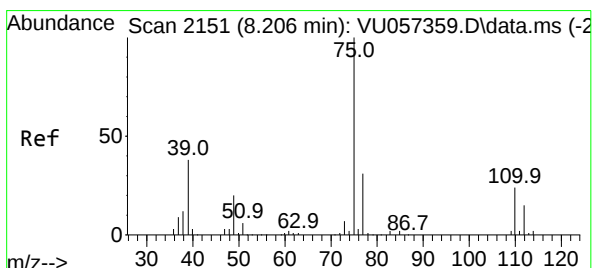
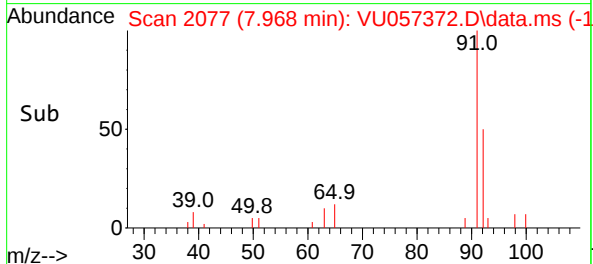
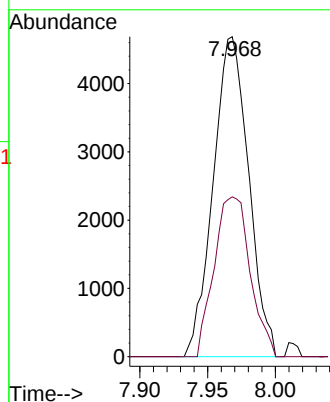
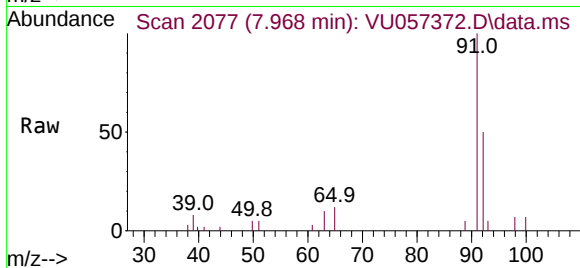
ClientSampleId :

Tgt Ion: 91 Resp: 8530

Ion Ratio Lower Upper

91 100

92 49.9 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 0.218 ug/L

RT: 8.212 min Scan# 2153

Delta R.T. 0.006 min

Lab File: VU057372.D

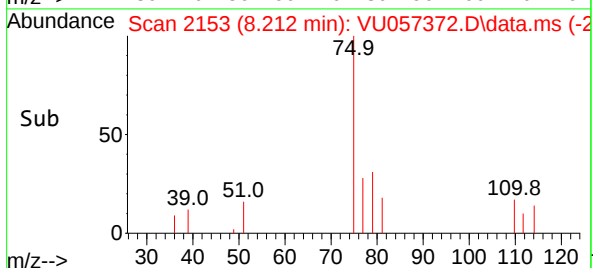
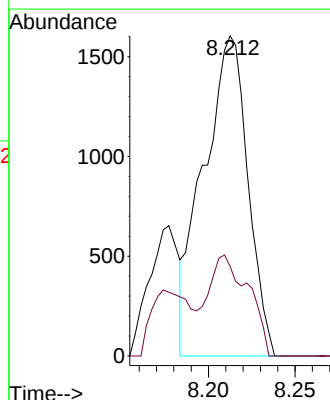
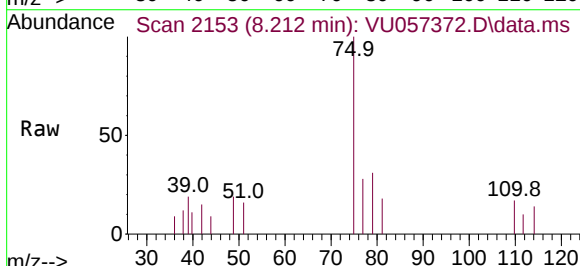
Acq: 29 Dec 2023 15:33

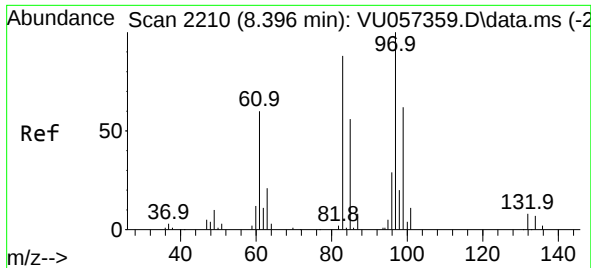
Tgt Ion: 75 Resp: 2860

Ion Ratio Lower Upper

75 100

77 28.0 22.5 41.9

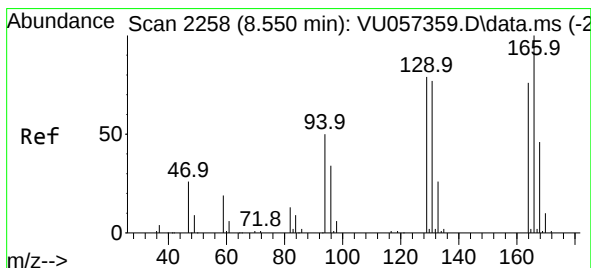
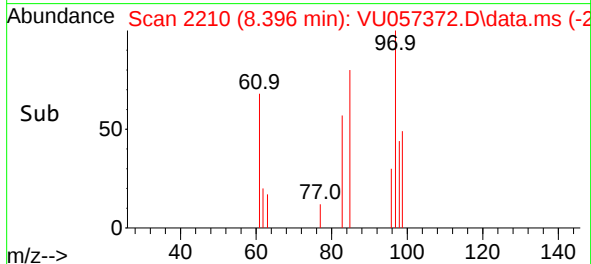
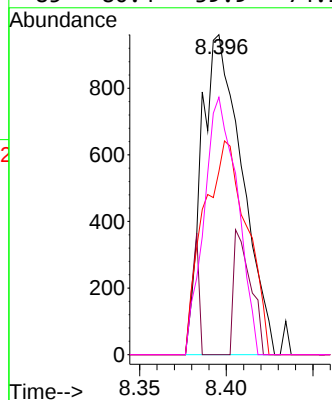
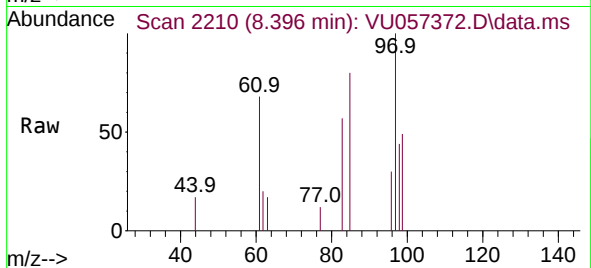




#45
1,1,2-Trichloroethane
Concen: 0.194 ug/L
RT: 8.396 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

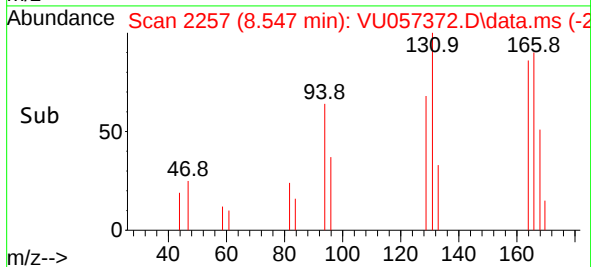
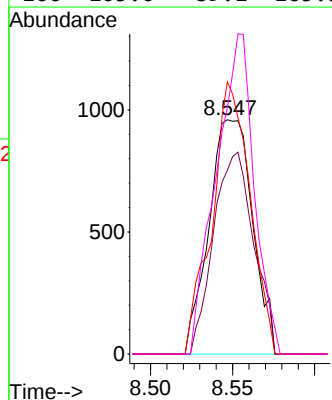
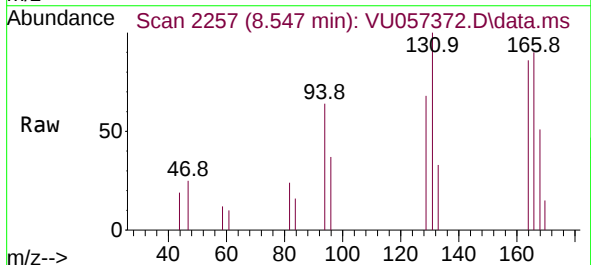
Instrument :
MSVOA_U
ClientSampleId :

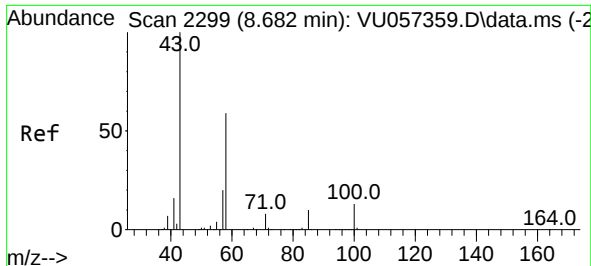
Tgt Ion: 97 Resp: 1560
Ion Ratio Lower Upper
97 100
99 0.0 44.0 81.8#
83 57.2 62.3 115.7#
85 80.4 39.9 74.1#



#47
Tetrachloroethene
Concen: 0.237 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

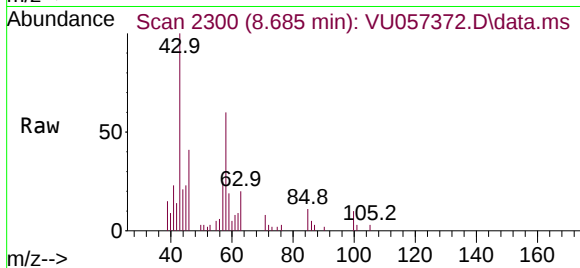
Tgt Ion:164 Resp: 1771
Ion Ratio Lower Upper
164 100
129 78.4 71.3 132.5
131 116.1 70.7 131.3
166 105.0 89.1 165.5



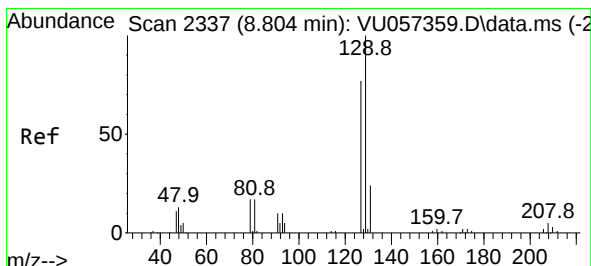
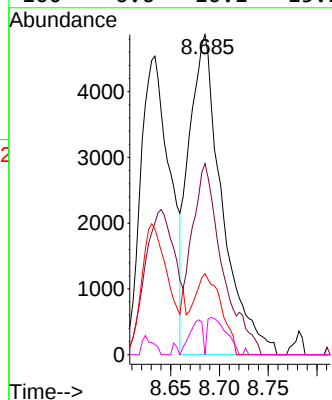
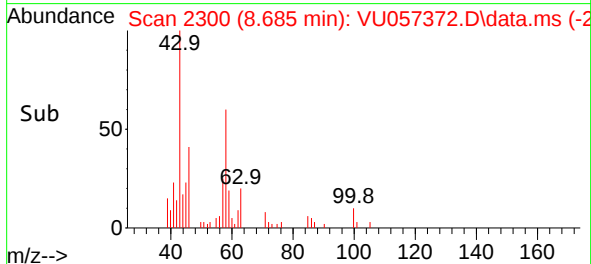


#48
2-Hexanone
Concen: 2.779 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

Instrument :
MSVOA_U
ClientSampleId :

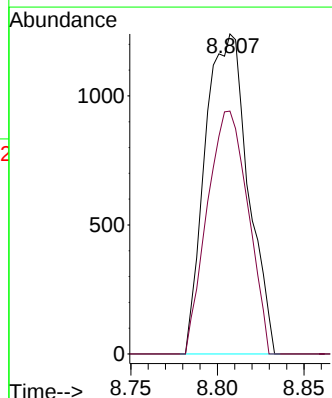
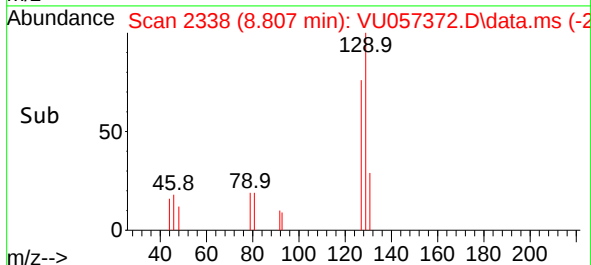
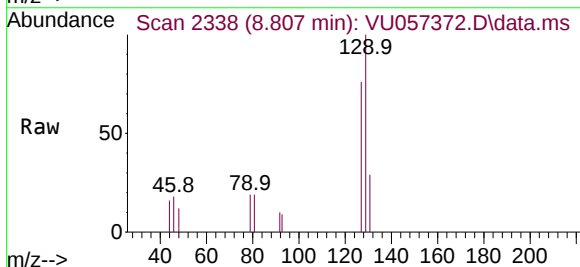


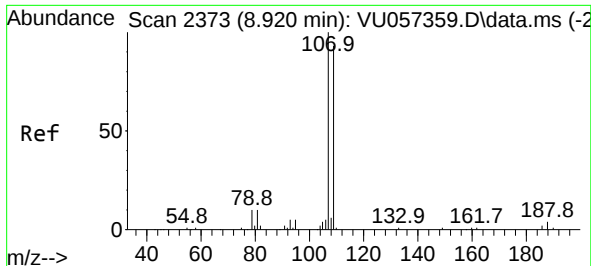
Tgt Ion: 43 Resp: 11506
Ion Ratio Lower Upper
43 100
58 54.3 48.4 72.6
57 19.9 17.4 26.2
100 6.6 10.1 15.1#



#49
Dibromochloromethane
Concen: 0.234 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

Tgt Ion:129 Resp: 2136
Ion Ratio Lower Upper
129 100
127 75.9 54.2 100.6





#50

1,2-Dibromoethane

Concen: 0.200 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

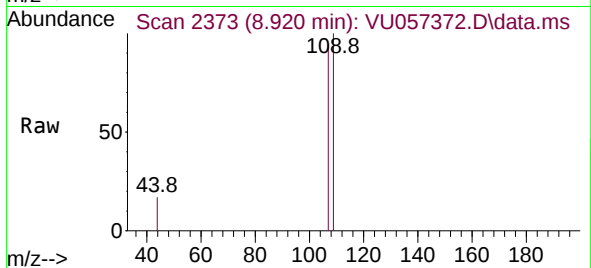
Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

Instrument :

MSVOA_U

ClientSampleId :



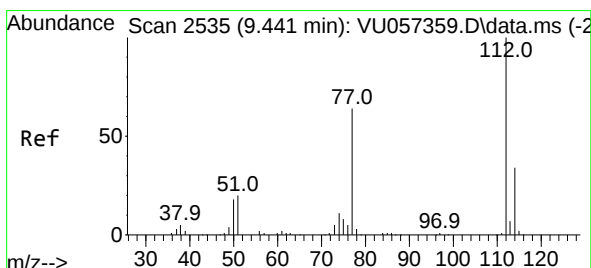
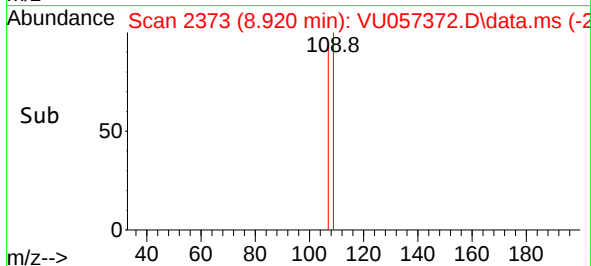
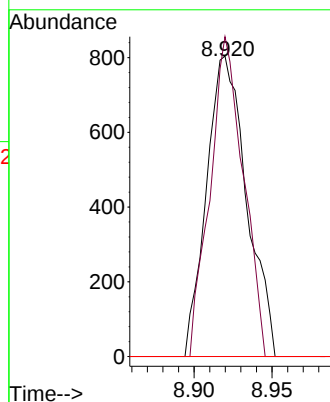
Tgt Ion:107 Resp: 1443

Ion Ratio Lower Upper

107 100

109 106.5 65.2 121.2

188 0.0 2.3 3.5#



#51

Chlorobenzene

Concen: 0.242 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

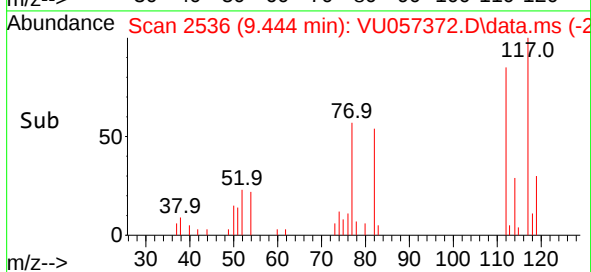
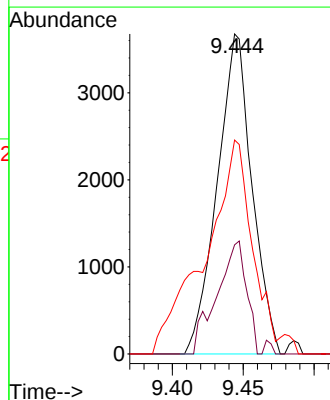
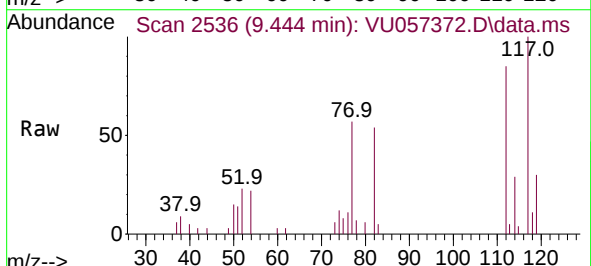
Tgt Ion:112 Resp: 6268

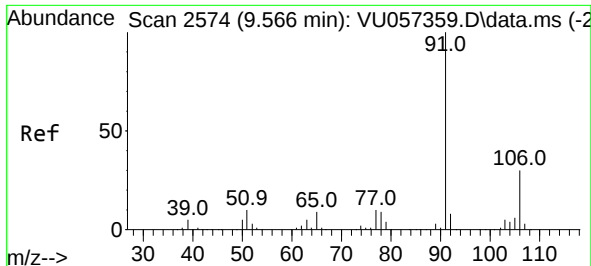
Ion Ratio Lower Upper

112 100

114 32.1 21.8 40.4

77 63.0 51.2 76.8

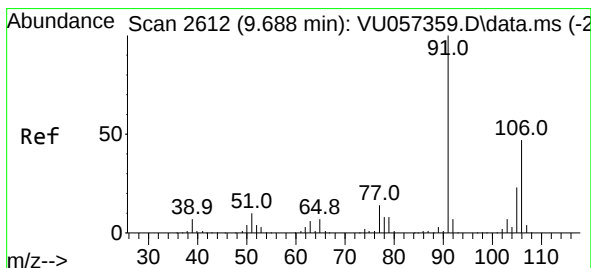
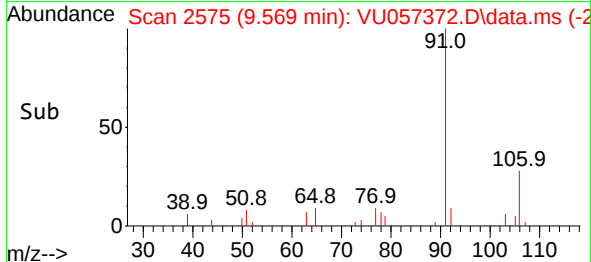
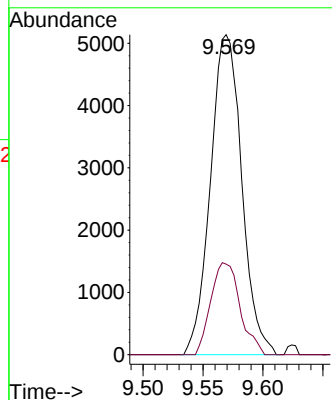
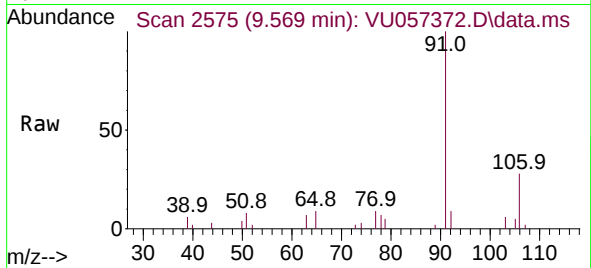




#52
Ethylbenzene
Concen: 0.219 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

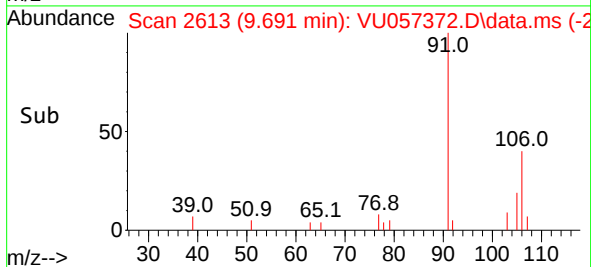
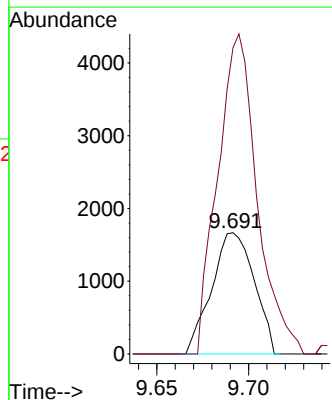
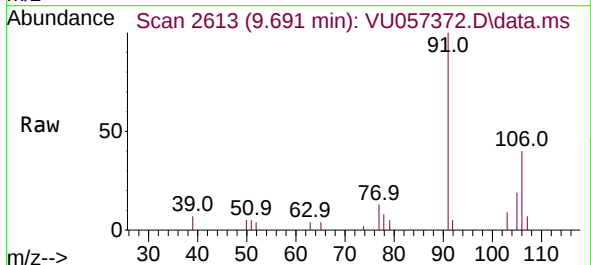
Instrument :
MSVOA_U
ClientSampleId :

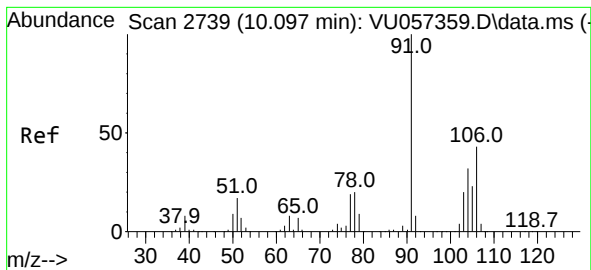
Tgt Ion: 91 Resp: 9340
Ion Ratio Lower Upper
91 100
106 28.3 21.1 39.3



#53
m,p-Xylene
Concen: 0.166 ug/L
RT: 9.691 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

Tgt Ion: 106 Resp: 2692
Ion Ratio Lower Upper
106 100
91 252.3 151.5 281.5





#54

o-Xylene

Concen: 0.164 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

Instrument :

MSVOA_U

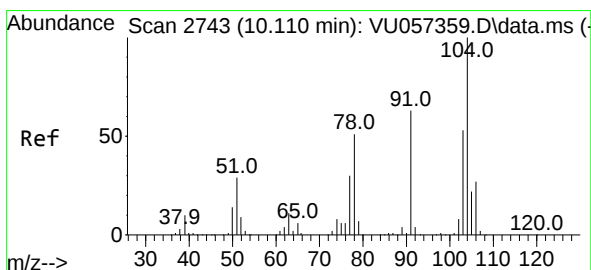
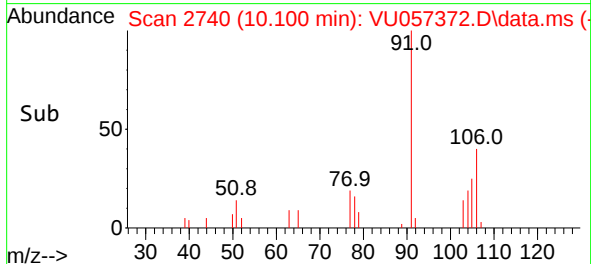
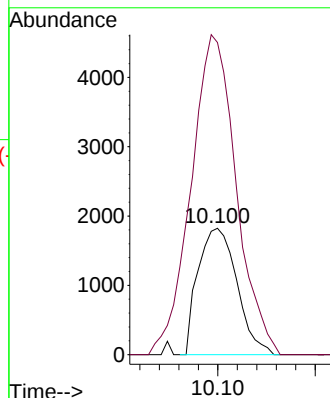
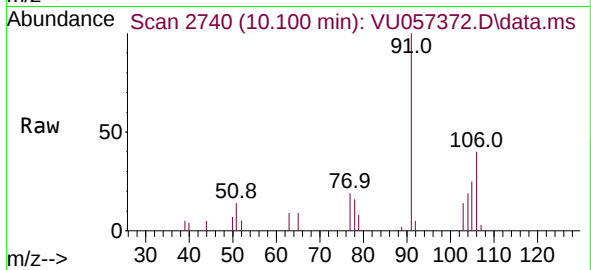
ClientSampleId :

Tgt Ion:106 Resp: 2531

Ion Ratio Lower Upper

106 100

91 246.9 156.0 289.8



#55

Styrene

Concen: 0.164 ug/L

RT: 10.119 min Scan# 2746

Delta R.T. 0.009 min

Lab File: VU057372.D

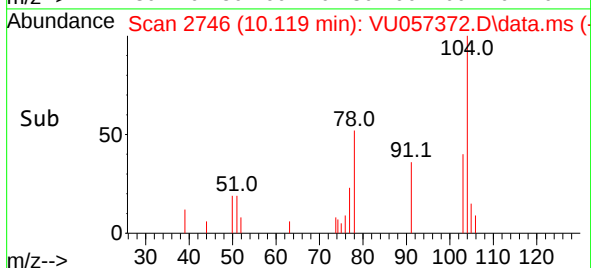
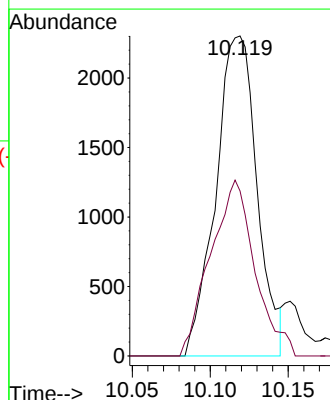
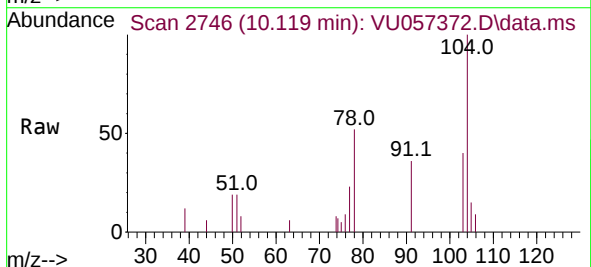
Acq: 29 Dec 2023 15:33

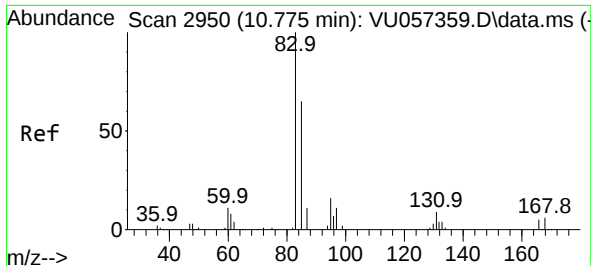
Tgt Ion:104 Resp: 4243

Ion Ratio Lower Upper

104 100

78 51.5 36.3 67.3





#57

1,1,2,2-Tetrachloroethane

Concen: 0.195 ug/L

RT: 10.781 min Scan# 2950

Delta R.T. 0.006 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

Instrument :

MSVOA_U

ClientSampleId :

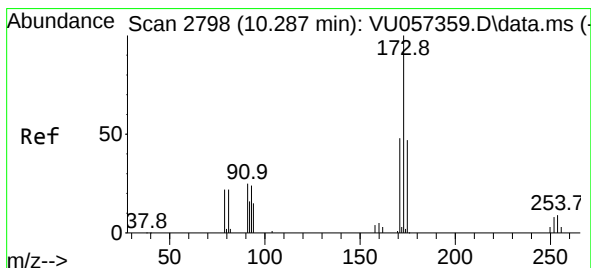
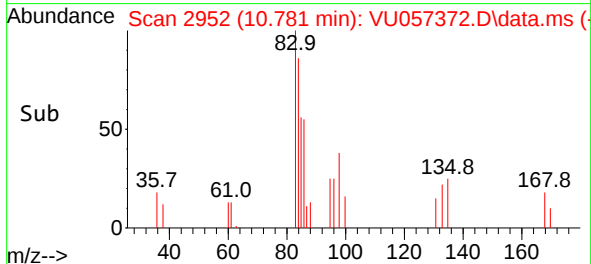
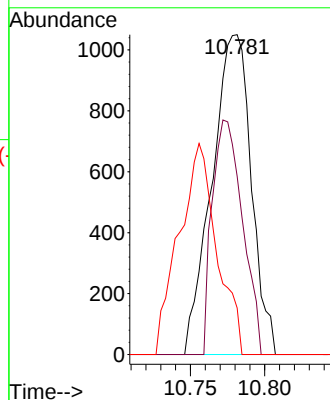
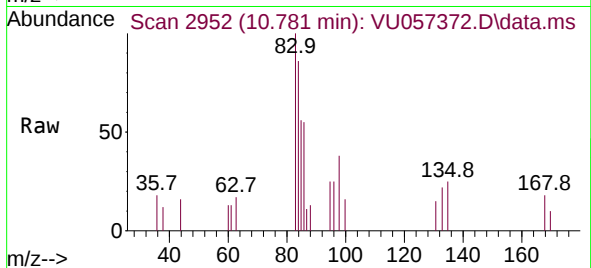
Tgt Ion: 83 Resp: 1936

Ion Ratio Lower Upper

83 100

85 55.7 44.7 83.1

131 14.6 7.7 11.5#



#59

Bromoform

Concen: 0.231 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

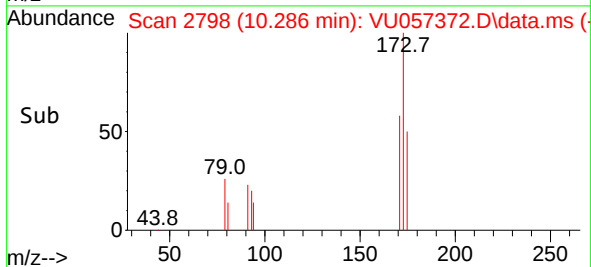
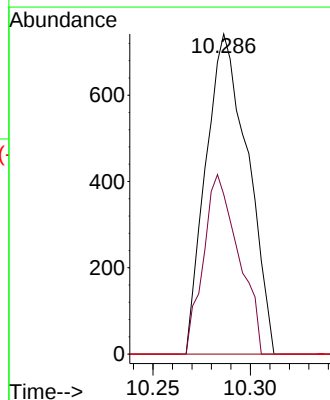
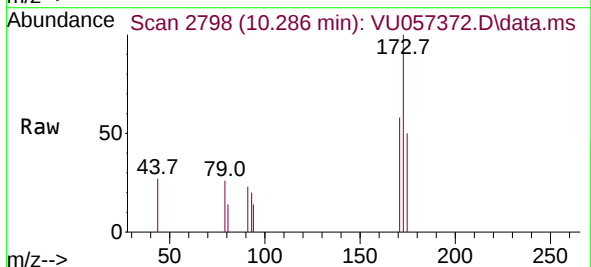
Tgt Ion:173 Resp: 1106

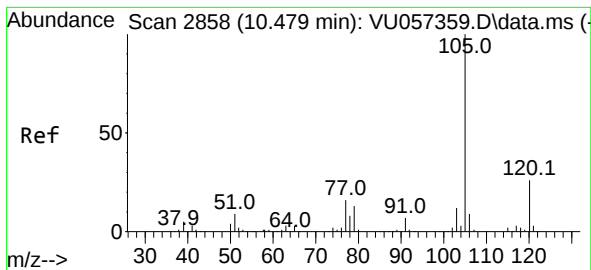
Ion Ratio Lower Upper

173 100

175 47.2 40.2 60.2

254 0.0 6.8 10.2#





#60

Isopropylbenzene

Concen: 0.200 ug/L

RT: 10.479 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057372.D

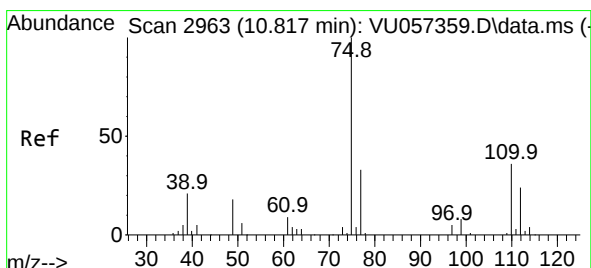
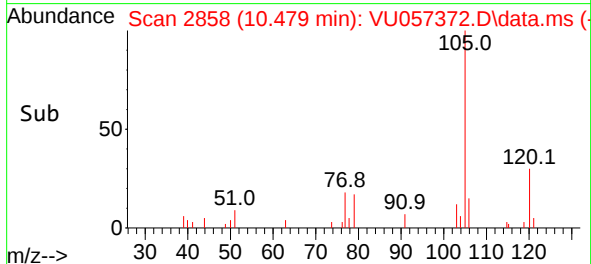
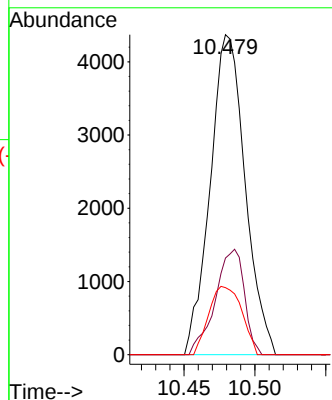
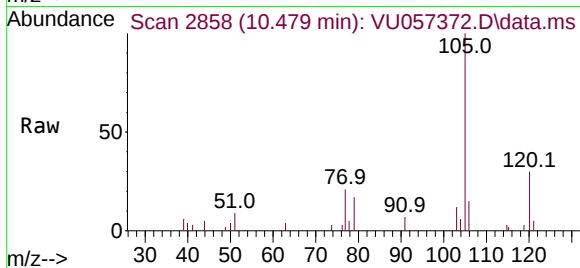
Acq: 29 Dec 2023 15:33

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	7494
Ion Ratio	Lower	Upper	
105	100		
120	27.4	20.2	30.4
77	20.1	13.2	19.8#



#61

1,2,3-Trichloropropane

Concen: 0.179 ug/L

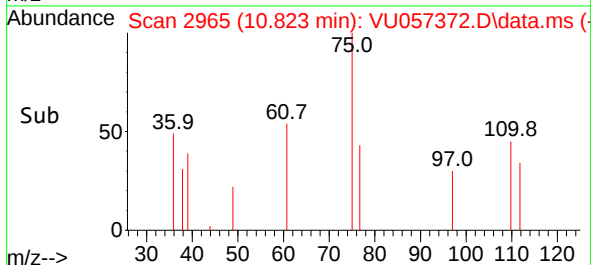
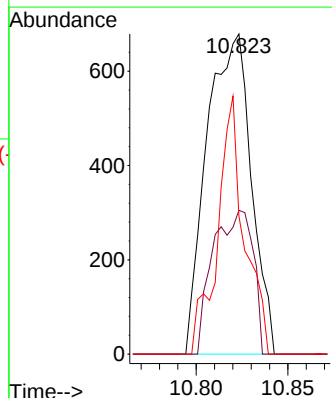
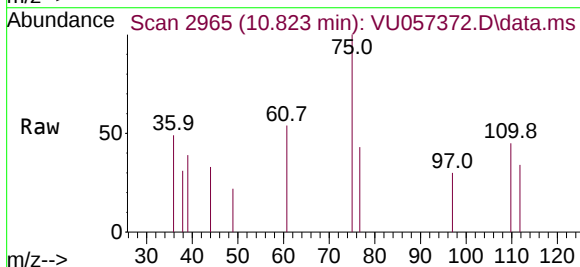
RT: 10.823 min Scan# 2965

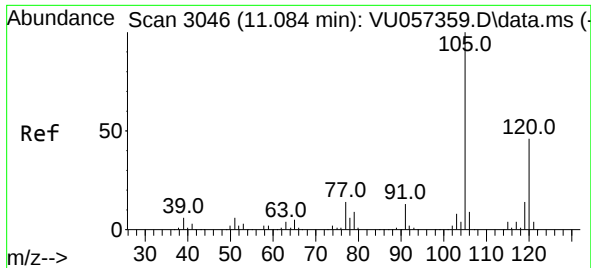
Delta R.T. 0.006 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

Tgt Ion:	75	Resp:	1144
Ion Ratio	Lower	Upper	
75	100		
110	40.4	29.0	43.6
77	48.6	25.4	38.2#

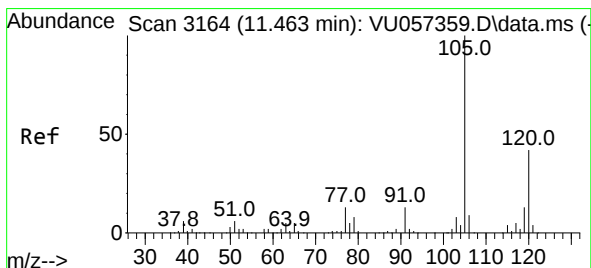
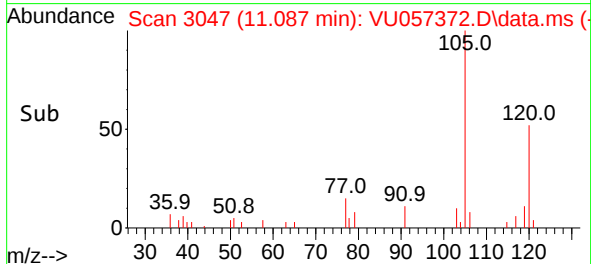
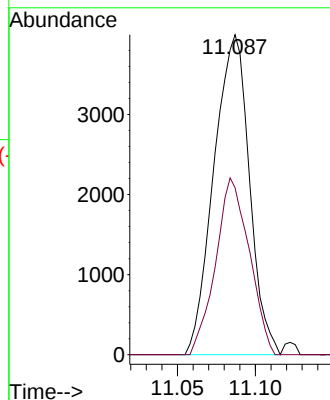
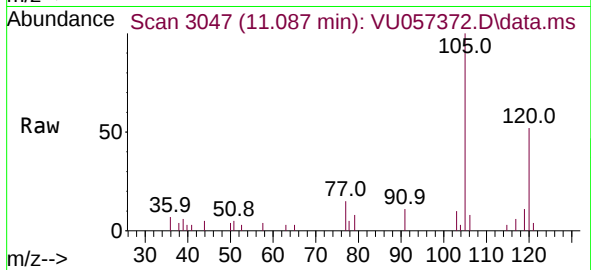




#62
 1,3,5-Trimethylbenzene
 Concen: 0.216 ug/L
 RT: 11.087 min Scan# 3046
 Delta R.T. 0.003 min
 Lab File: VU057372.D
 Acq: 29 Dec 2023 15:33

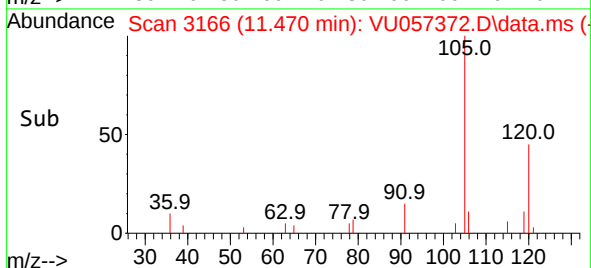
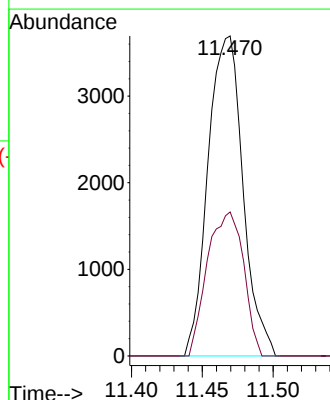
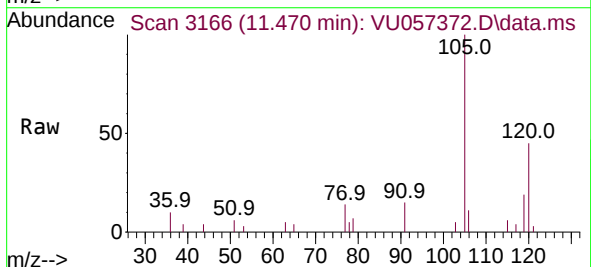
Instrument :
 MSVOA_U
 ClientSampleId :

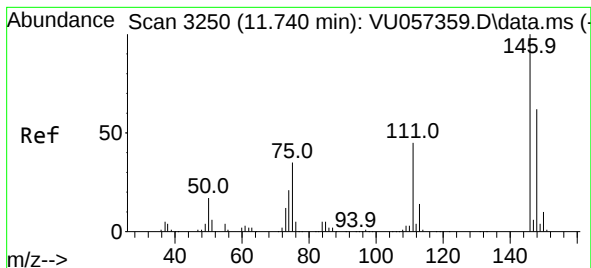
Tgt Ion:105 Resp: 6336
 Ion Ratio Lower Upper
 105 100
 120 52.3 36.0 54.0



#63
 1,2,4-Trimethylbenzene
 Concen: 0.217 ug/L
 RT: 11.470 min Scan# 3166
 Delta R.T. 0.006 min
 Lab File: VU057372.D
 Acq: 29 Dec 2023 15:33

Tgt Ion:105 Resp: 6334
 Ion Ratio Lower Upper
 105 100
 120 46.6 33.5 50.3





#64

1,3-Dichlorobenzene

Concen: 0.259 ug/L

RT: 11.746 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

Instrument :

MSVOA_U

ClientSampleId :

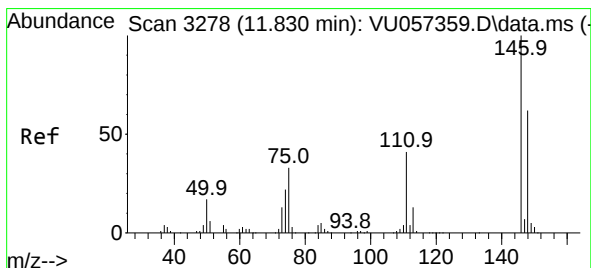
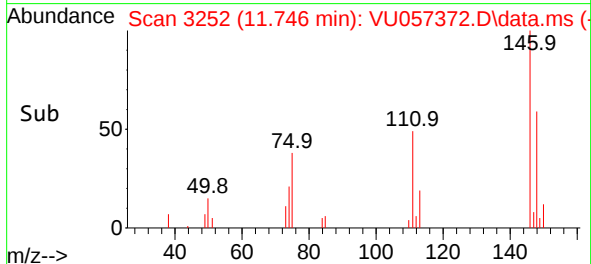
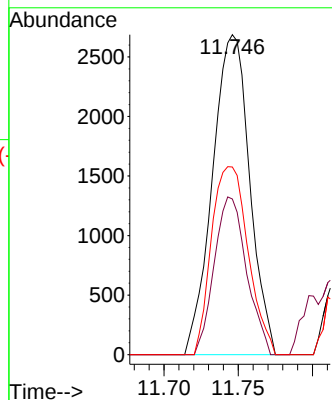
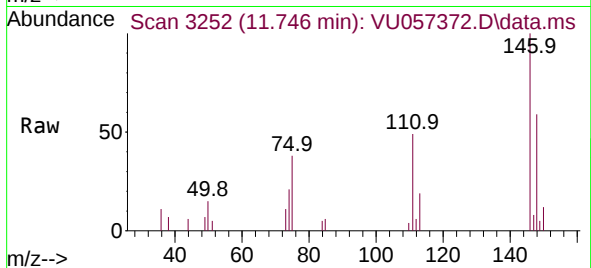
Tgt Ion:146 Resp: 4679

Ion Ratio Lower Upper

146 100

111 48.6 31.4 58.2

148 58.7 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 0.264 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

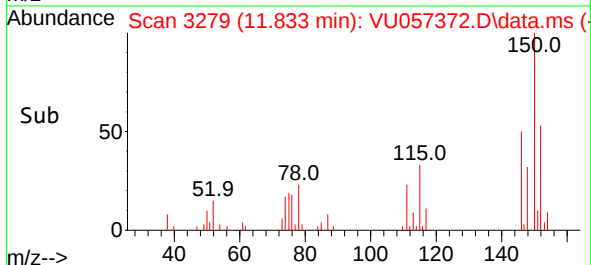
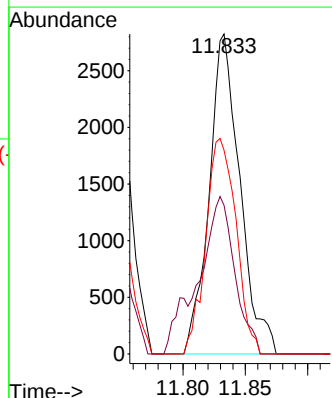
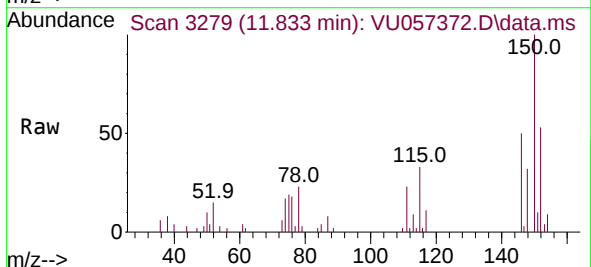
Tgt Ion:146 Resp: 4857

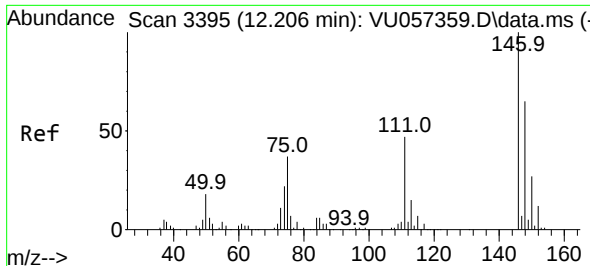
Ion Ratio Lower Upper

146 100

111 46.4 30.9 57.3

148 63.6 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 0.229 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

Instrument :

MSVOA_U

ClientSampleId :

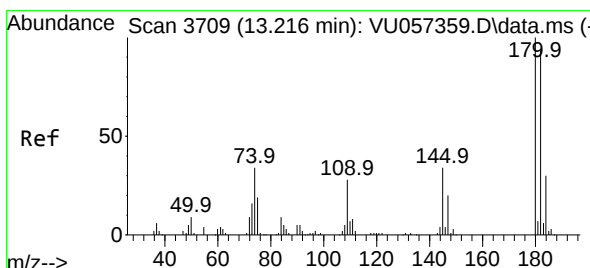
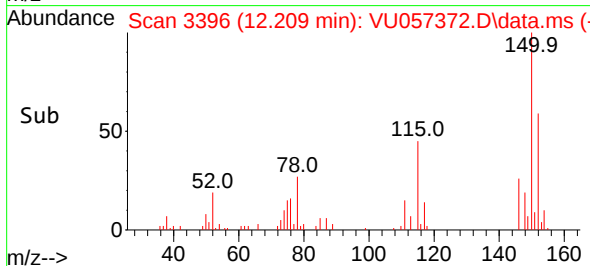
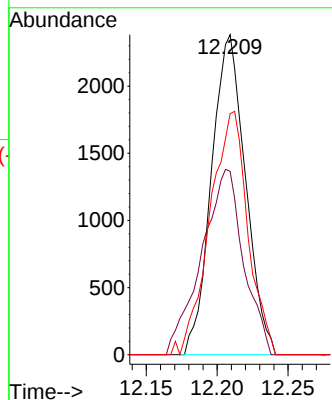
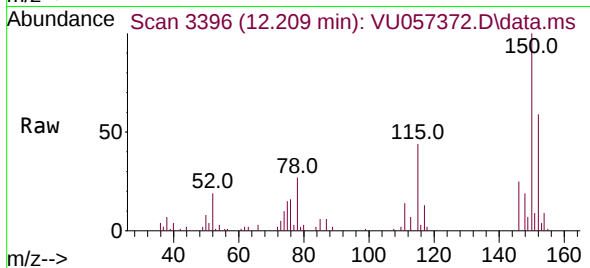
Tgt Ion:146 Resp: 3972

Ion Ratio Lower Upper

146 100

111 57.3 37.8 56.8#

148 75.3 51.4 77.0



#69

1,3,5-Trichlorobenzene

Concen: 0.304 ug/L

RT: 13.219 min Scan# 3710

Delta R.T. 0.003 min

Lab File: VU057372.D

Acq: 29 Dec 2023 15:33

Tgt Ion:180 Resp: 3926

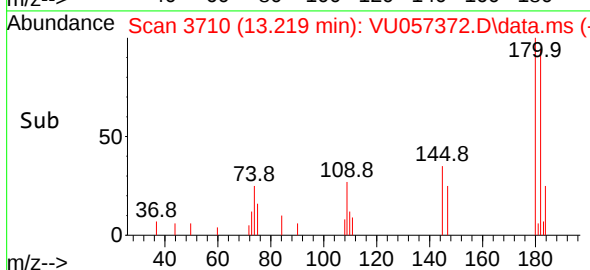
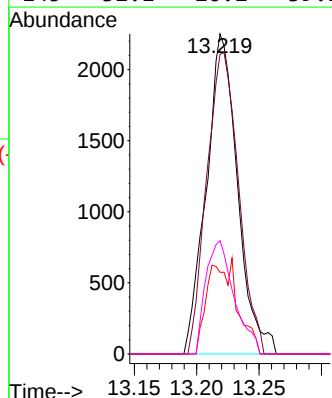
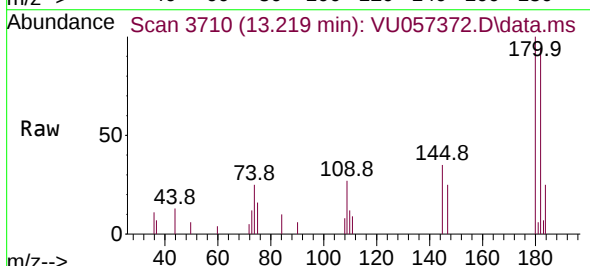
Ion Ratio Lower Upper

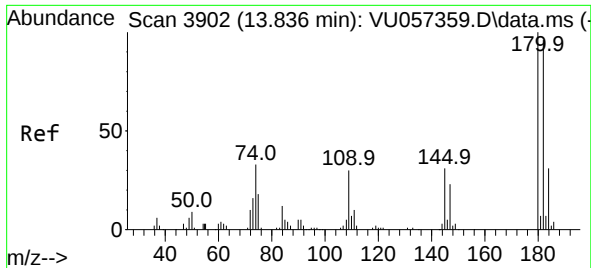
180 100

182 95.9 76.3 114.5

184 28.3 23.6 35.4

145 32.1 26.2 39.2

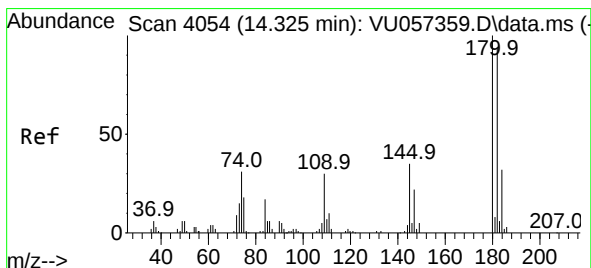
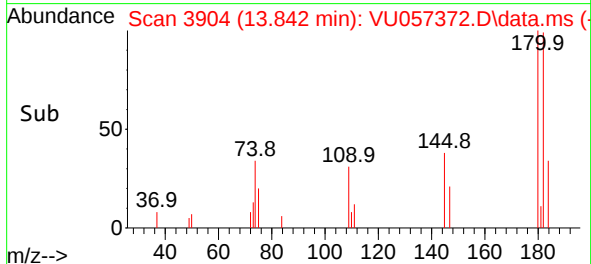
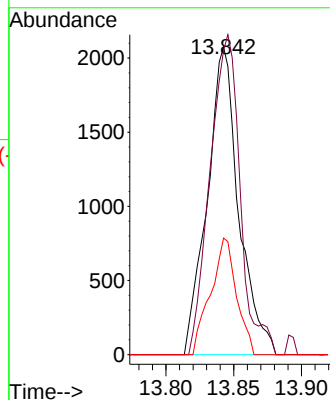
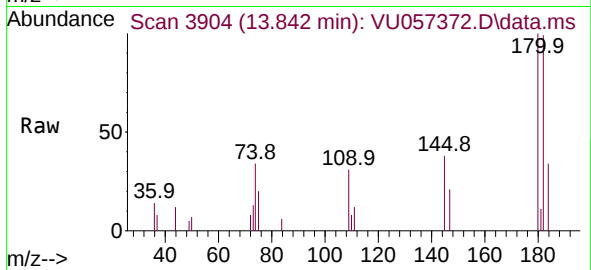




#70
1,2,4-trichlorobenzene
Concen: 0.327 ug/L
RT: 13.842 min Scan# 3904
Delta R.T. 0.006 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 3350
Ion Ratio Lower Upper
180 100
182 99.7 76.2 114.4
145 31.2 26.7 40.1



#72
1,2,3-Trichlorobenzene
Concen: 0.378 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU057372.D
Acq: 29 Dec 2023 15:33

Tgt Ion:180 Resp: 3378
Ion Ratio Lower Upper
180 100
182 86.2 75.8 113.8
145 29.6 28.0 42.0

