

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
 Data File : VU055912.D
 Acq On : 26 Oct 2023 18:00
 Operator : MD/SY
 Sample : 04961-09MEMS
 Misc : 5.96g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 27 02:53:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 27 02:48:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	595083	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	617327	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	335568	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	211868	39.693	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.380%
7) Chloroethane-d5	1.869	69	64797	14.851	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	29.700%#
11) 1,1-Dichloroethene-d2	2.541	63	367812	38.646	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.300%
21) 2-Butanone-d5	4.628	46	267890	67.732	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	67.730%
24) Chloroform-d	5.055	84	411799	40.243	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.480%
26) 1,2-Dichloroethane-d4	5.692	65	257391	40.866	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.740%
32) Benzene-d6	5.718	84	824949	41.766	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.540%
36) 1,2-Dichloropropane-d6	6.685	67	261656	41.845	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.680%
41) Toluene-d8	7.894	98	762043	42.727	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.460%
43) trans-1,3-Dichloroprop...	8.177	79	127942	42.594	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.180%
47) 2-Hexanone-d5	8.647	63	259792	105.684	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.680%
56) 1,1,2,2-Tetrachloroeth...	10.759	84	422499	43.897	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	319649	48.001	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	185384	37.414	ug/L	99
3) Chloromethane	1.518	50	200282	42.718	ug/L	96
5) Vinyl chloride	1.602	62	218874	42.420	ug/L	96
6) Bromomethane	1.824	94	50252	15.235	ug/L	94
8) Chloroethane	1.888	64	50458	14.909	ug/L	99
9) Trichlorofluoromethane	2.088	101	295511	40.086	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.551	101	195414	41.218	ug/L	97
12) 1,1-Dichloroethene	2.554	96	182647	43.294	ug/L	95
13) Acetone	2.634	43	232967	63.473	ug/L	97
14) Carbon disulfide	2.766	76	488215	38.027	ug/L	98
15) Methyl Acetate	2.943	43	211850	37.689	ug/L	95
16) Methylene chloride	3.030	84	232088	45.364	ug/L	94
17) trans-1,2-Dichloroethene	3.335	96	193024	44.744	ug/L	93
18) Methyl tert-butyl Ether	3.361	73	682456	49.191	ug/L	98
19) 1,1-Dichloroethane	3.853	63	391167	44.216	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	248954	50.564	ug/L	94
22) 2-Butanone	4.705	43	320965	72.553	ug/L	99
23) Bromochloromethane	4.968	128	118196	46.354	ug/L	93
25) Chloroform	5.081	83	422987	45.769	ug/L	99

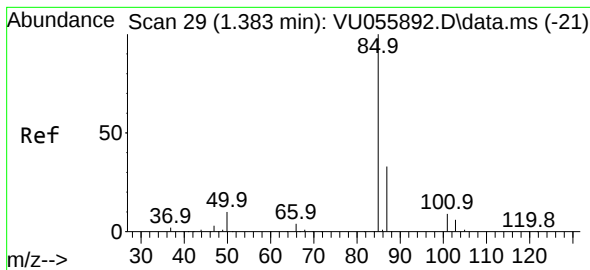
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
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 Quant Title : VOC Analysis
 QLast Update : Fri Oct 27 02:48:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	322195	43.590	ug/L	100
29) Cyclohexane	5.374	56	327907	46.341	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	346874	43.492	ug/L	97
31) Carbon tetrachloride	5.512	117	293921	42.103	ug/L	98
33) Benzene	5.763	78	883266	45.263	ug/L	100
34) Trichloroethene	6.534	95	296718	55.571	ug/L	97
35) Methylcyclohexane	6.753	83	356856	46.064	ug/L	98
37) 1,2-Dichloropropane	6.785	63	242486	45.126	ug/L	98
38) Bromodichloromethane	7.103	83	309646	43.697	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	393760	48.166	ug/L	99
40) 4-Methyl-2-pentanone	7.811	43	639867	85.595	ug/L	95
42) Toluene	7.965	91	973874	47.296	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	369456	47.233	ug/L	98
45) 1,1,2-Trichloroethane	8.399	97	251185	47.406	ug/L	99
46) Tetrachloroethene	8.547	164	787050	205.879	ug/L	98
48) 2-Hexanone	8.698	43	515353	81.617	ug/L	96
49) Dibromochloromethane	8.811	129	249018	45.996	ug/L	100
50) 1,2-Dibromoethane	8.923	107	260824	45.830	ug/L	97
51) Chlorobenzene	9.447	112	637985	47.888	ug/L	98
52) Ethylbenzene	9.570	91	1107542	49.198	ug/L	99
53) m,p-Xylene	9.695	106	423409	50.204	ug/L	96
54) o-Xylene	10.100	106	422102	51.720	ug/L	95
55) Styrene	10.116	104	743845	53.802	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.785	83	437408	48.212	ug/L	100
59) Bromoform	10.296	173	202539	49.030	ug/L	98
60) 1,2,3-Trichloropropane	10.824	75	342578	47.039	ug/L	98
61) Isopropylbenzene	10.486	105	1138990	54.446	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	975026	57.600	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	970862	58.003	ug/L	100
64) 1,3-Dichlorobenzene	11.746	146	525740	50.838	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	528970	49.751	ug/L	99
67) 1,2-Dichlorobenzene	12.213	146	526431	51.296	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	87090	39.999	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	363573	52.707	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	316150	55.024	ug/L	99
71) Naphthalene	14.084	128	964722	56.523	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	315523	55.698	ug/L	97

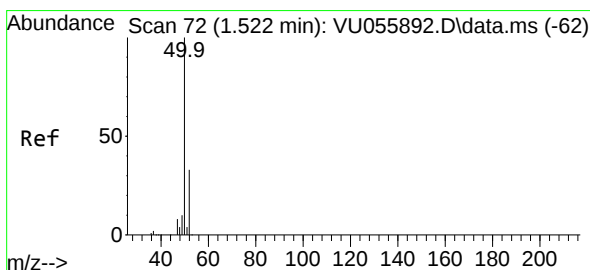
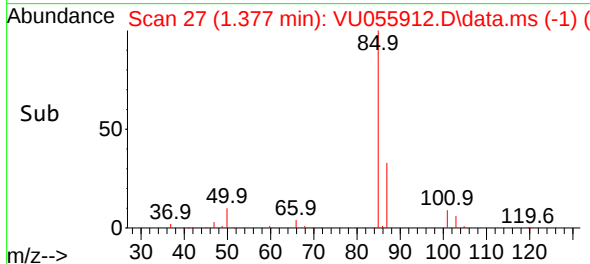
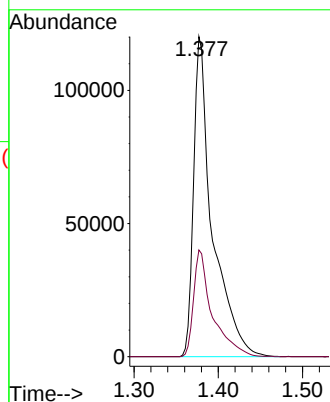
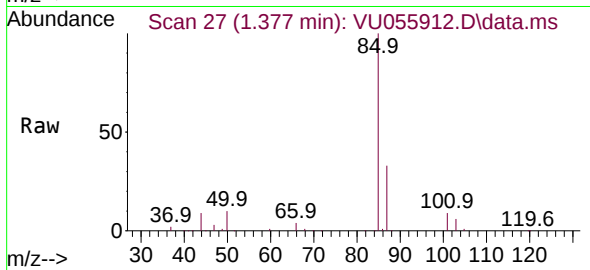
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 37.414 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VU055912.D
 Acq: 26 Oct 2023 18:00

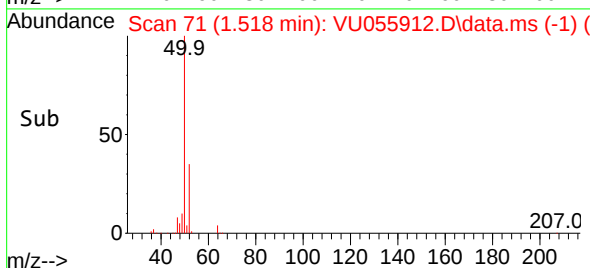
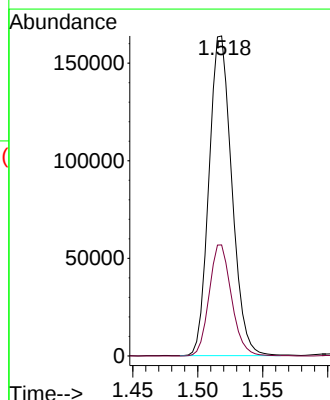
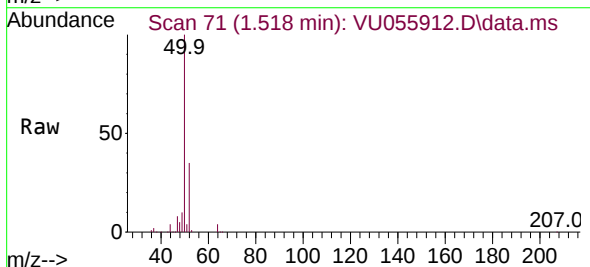
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 MSVOA_U
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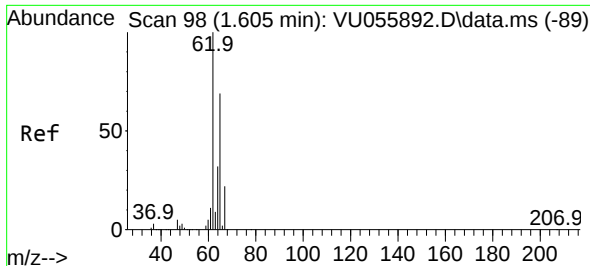
Tgt Ion: 85 Resp: 185384
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.0 39.0



#3
 Chloromethane
 Concen: 42.718 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU055912.D
 Acq: 26 Oct 2023 18:00

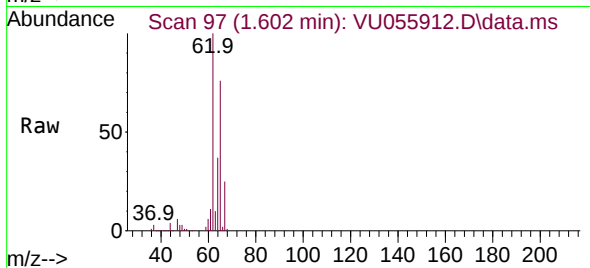
Tgt Ion: 50 Resp: 200282
 Ion Ratio Lower Upper
 50 100
 52 34.7 22.8 42.4



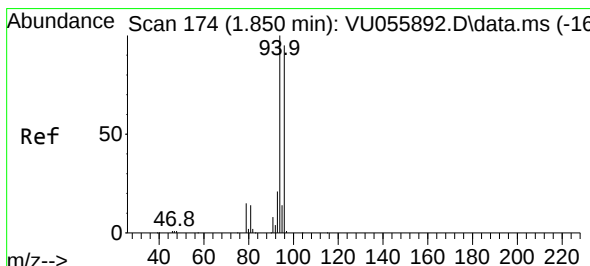
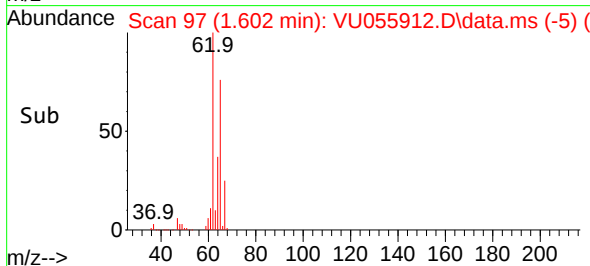
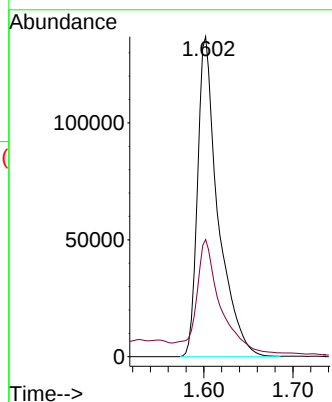


#5
 Vinyl chloride
 Concen: 42.420 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055912.D
 Acq: 26 Oct 2023 18:00

Instrument :
 MSVOA_U
 ClientSampleId :

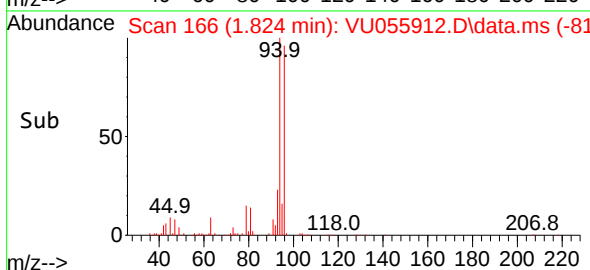
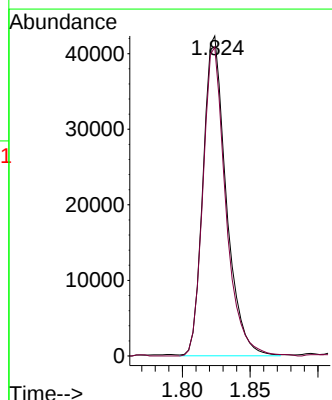
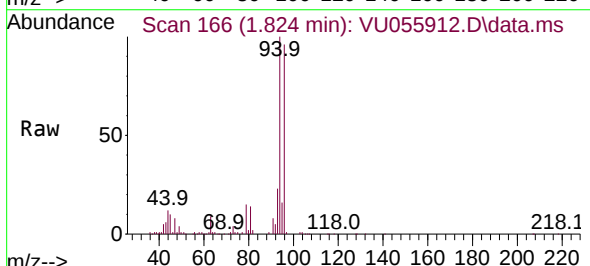


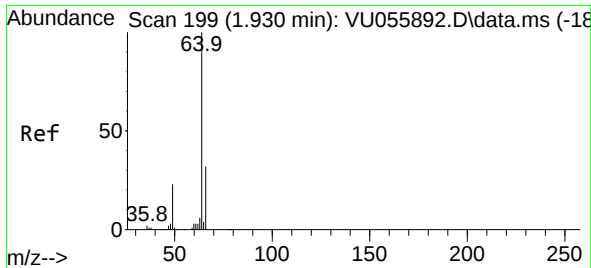
Tgt Ion: 62 Resp: 218874
 Ion Ratio Lower Upper
 62 100
 64 36.6 23.9 44.5



#6
 Bromomethane
 Concen: 15.235 ug/L
 RT: 1.824 min Scan# 166
 Delta R.T. -0.026 min
 Lab File: VU055912.D
 Acq: 26 Oct 2023 18:00

Tgt Ion: 94 Resp: 50252
 Ion Ratio Lower Upper
 94 100
 96 96.5 63.5 117.9

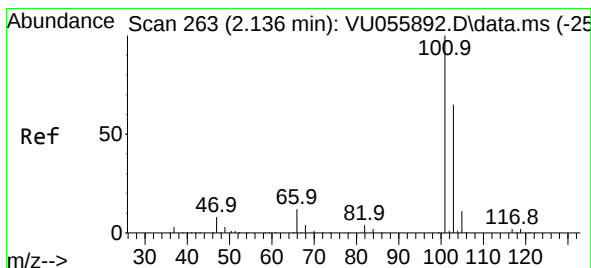
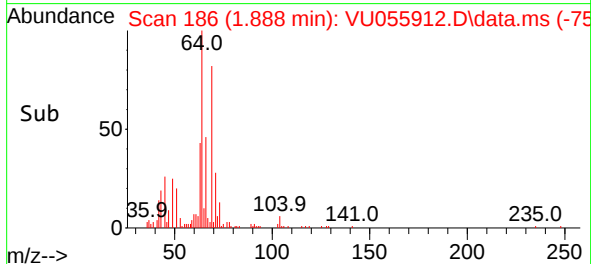
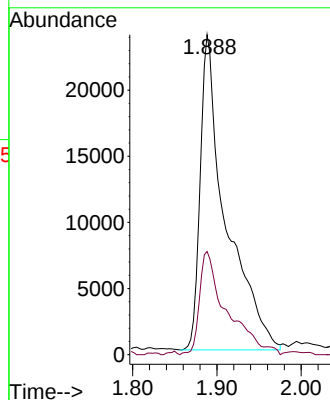
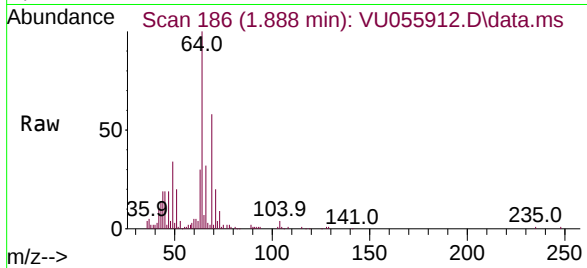




#8
Chloroethane
Concen: 14.909 ug/L
RT: 1.888 min Scan# 11
Delta R.T. -0.042 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

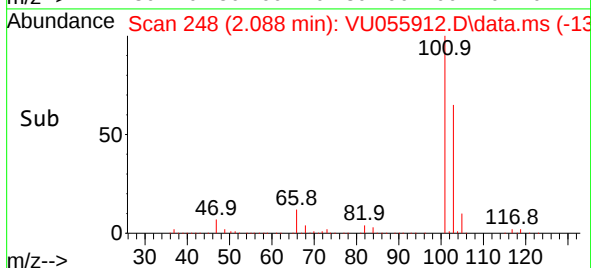
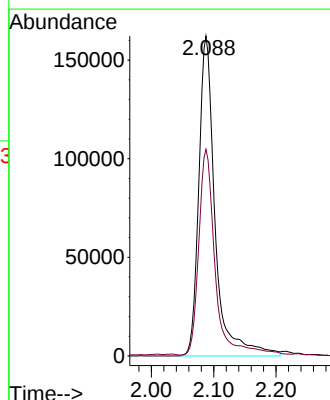
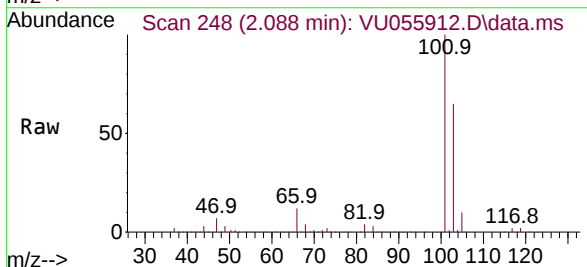
Instrument :
MSVOA_U
ClientSampleId :

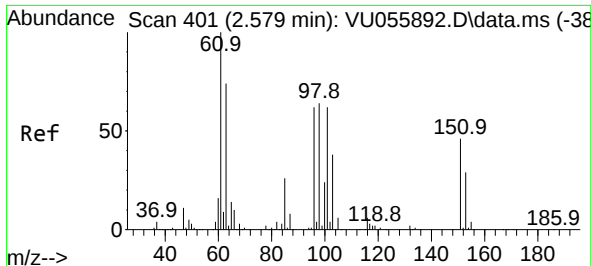
Tgt Ion: 64 Resp: 50458
Ion Ratio Lower Upper
64 100
66 32.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 40.086 ug/L
RT: 2.088 min Scan# 248
Delta R.T. -0.048 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion:101 Resp: 295511
Ion Ratio Lower Upper
101 100
103 64.2 51.3 76.9

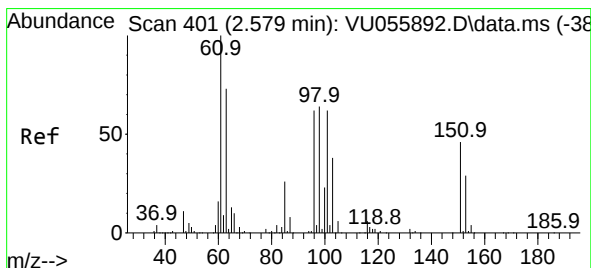
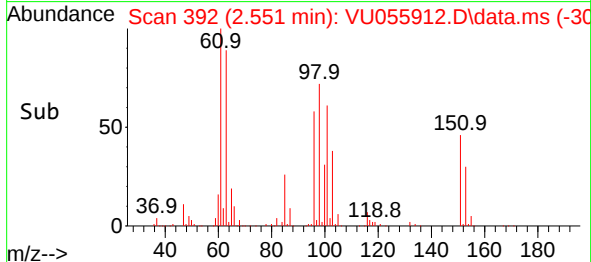
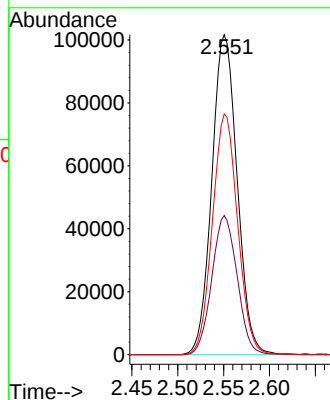
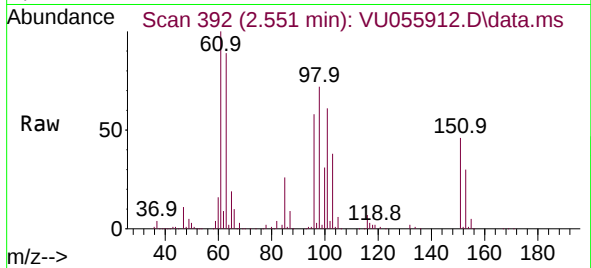




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 41.218 ug/L
 RT: 2.551 min Scan# 392
 Delta R.T. -0.029 min
 Lab File: VU055912.D
 Acq: 26 Oct 2023 18:00

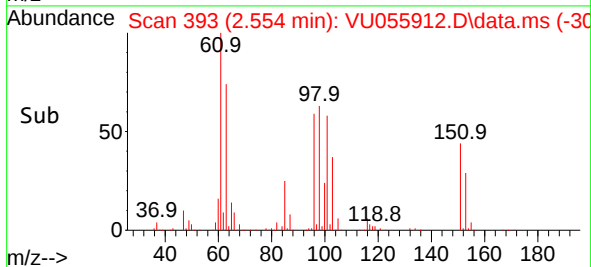
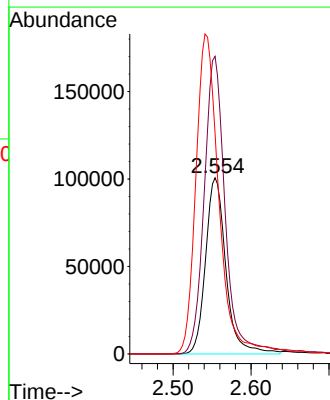
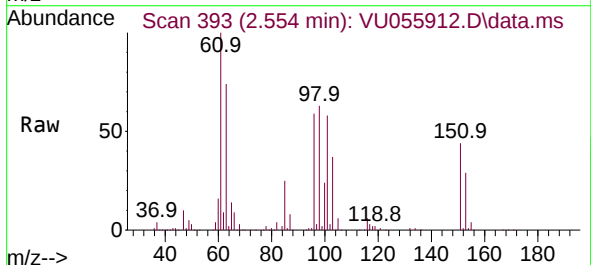
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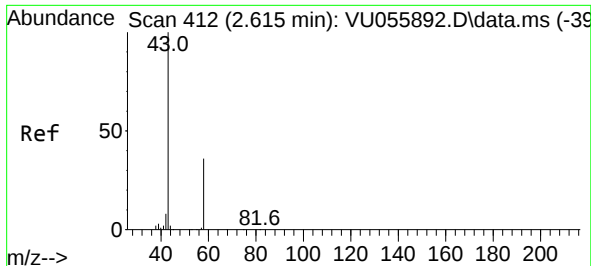
Tgt Ion:101 Resp: 195414
 Ion Ratio Lower Upper
 101 100
 85 43.4 37.1 55.7
 151 75.0 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 43.294 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. -0.026 min
 Lab File: VU055912.D
 Acq: 26 Oct 2023 18:00

Tgt Ion: 96 Resp: 182647
 Ion Ratio Lower Upper
 96 100
 61 169.0 122.0 226.6
 63 125.1 93.7 174.1





#13

Acetone

Concen: 63.473 ug/L

RT: 2.634 min Scan# 41

Delta R.T. 0.019 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

Instrument :

MSVOA_U

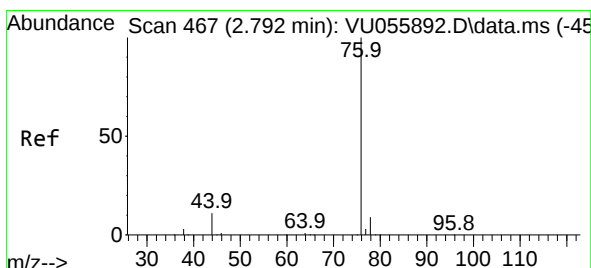
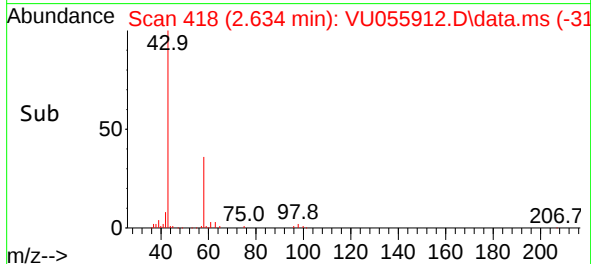
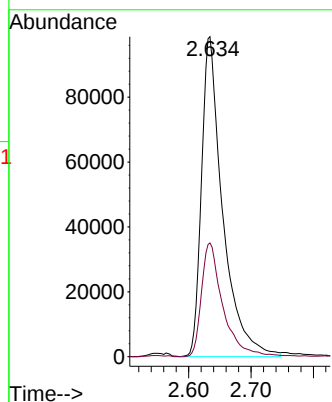
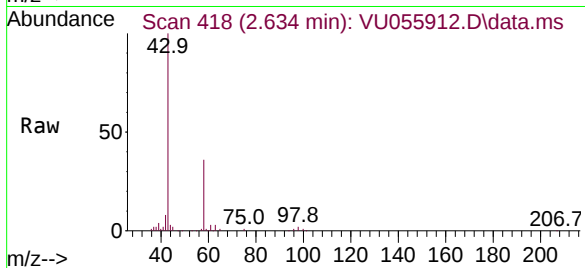
ClientSampleId :

Tgt Ion: 43 Resp: 232967

Ion Ratio Lower Upper

43 100

58 35.4 0.0 67.4



#14

Carbon disulfide

Concen: 38.027 ug/L

RT: 2.766 min Scan# 459

Delta R.T. -0.026 min

Lab File: VU055912.D

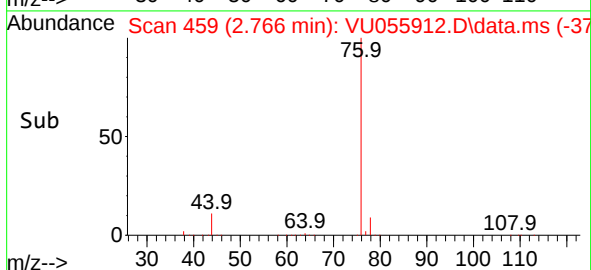
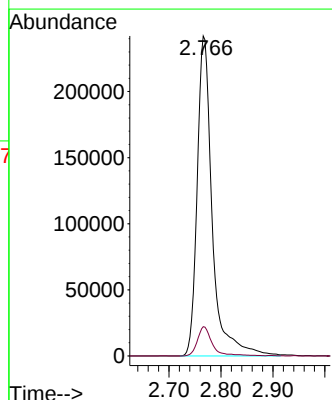
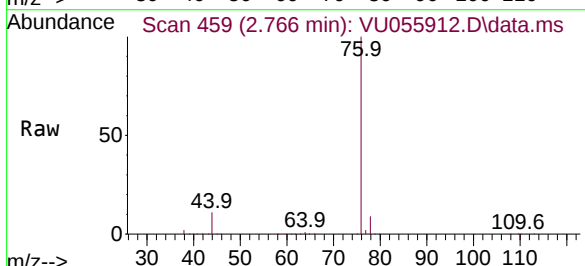
Acq: 26 Oct 2023 18:00

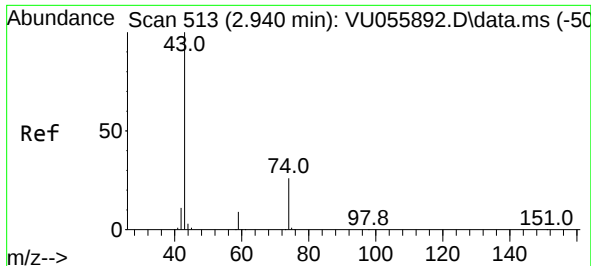
Tgt Ion: 76 Resp: 488215

Ion Ratio Lower Upper

76 100

78 9.1 6.8 10.2

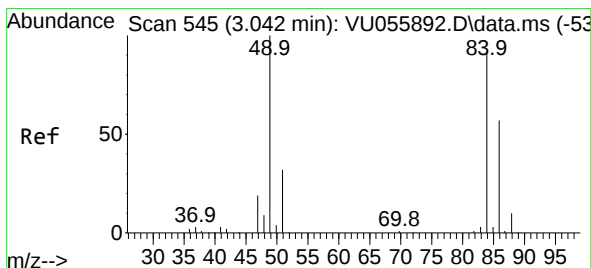
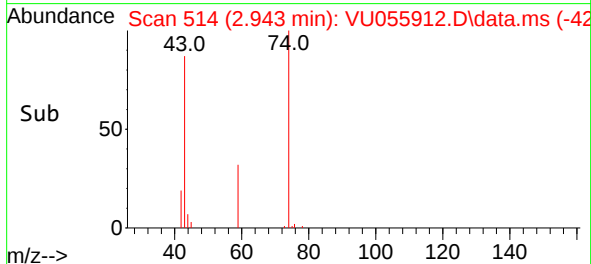
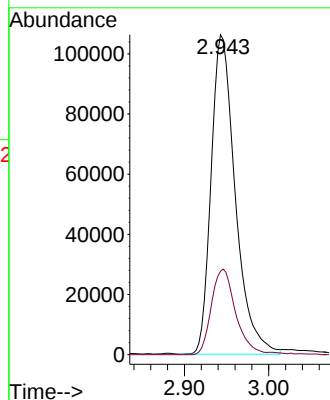
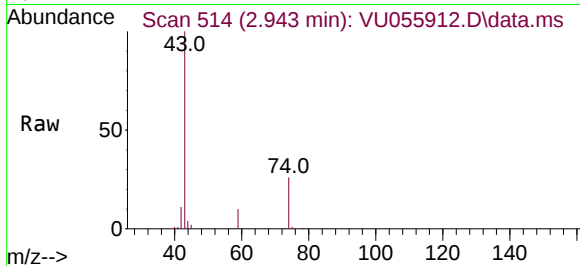




#15
Methyl Acetate
Concen: 37.689 ug/L
RT: 2.943 min Scan# 513
Delta R.T. 0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

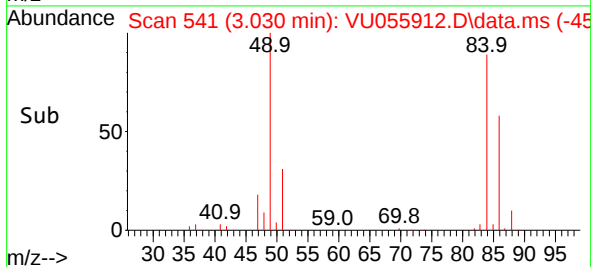
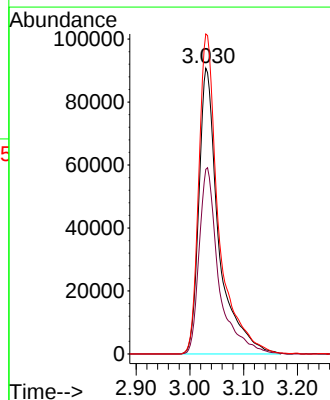
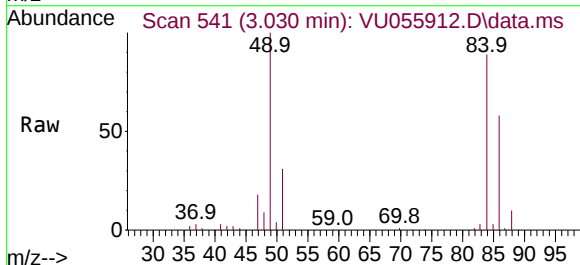
Instrument :
MSVOA_U
ClientSampleId :

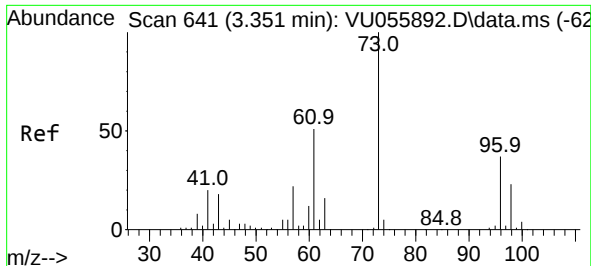
Tgt Ion: 43 Resp: 211850
Ion Ratio Lower Upper
43 100
74 26.7 19.5 29.3



#16
Methylene chloride
Concen: 45.364 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.013 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion: 84 Resp: 232088
Ion Ratio Lower Upper
84 100
86 64.6 46.3 86.1
49 112.0 84.8 157.6

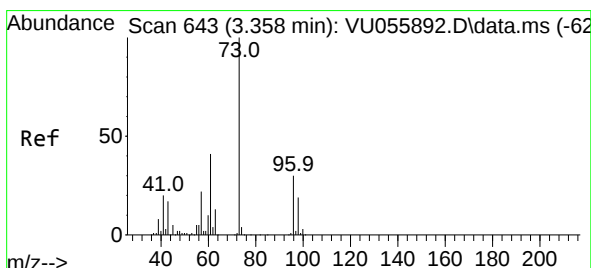
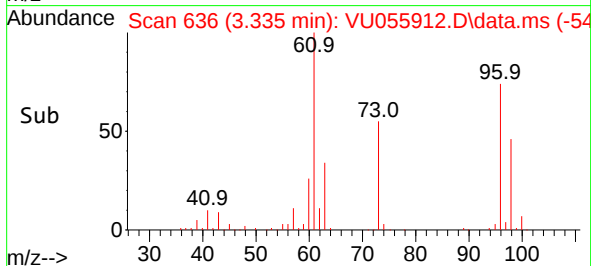
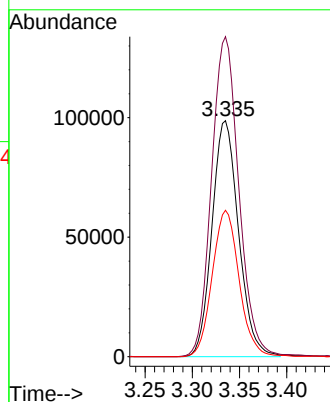
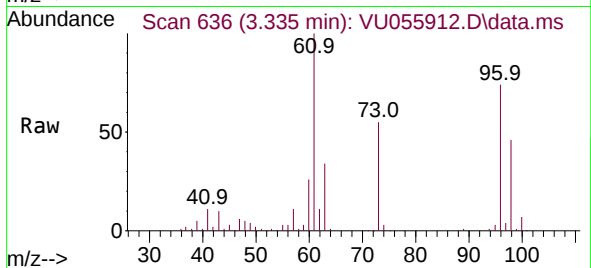




#17
trans-1,2-Dichloroethene
Concen: 44.744 ug/L
RT: 3.335 min Scan# 61
Delta R.T. -0.016 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

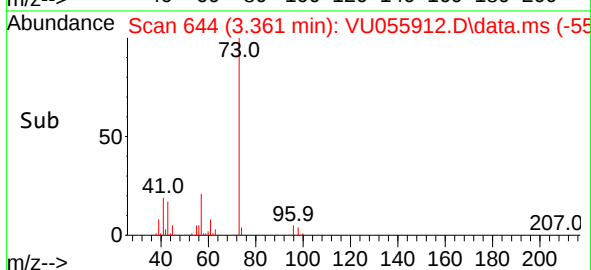
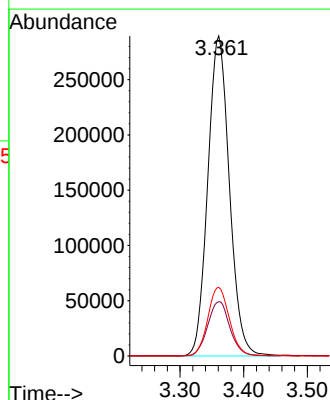
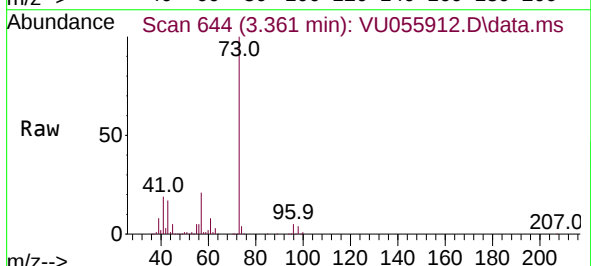
Instrument :
MSVOA_U
ClientSampleId :

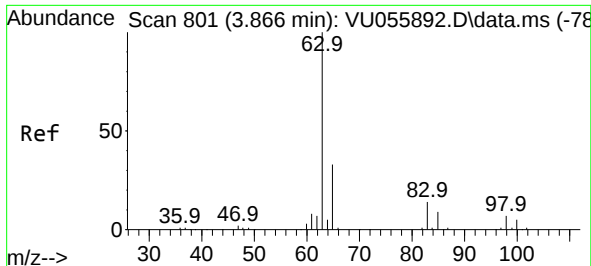
Tgt Ion: 96 Resp: 193024
Ion Ratio Lower Upper
96 100
61 135.6 102.1 189.7
98 62.0 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 49.191 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

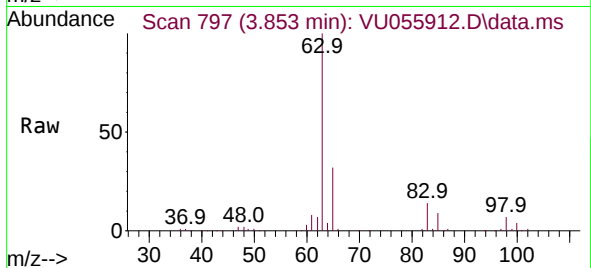
Tgt Ion: 73 Resp: 682456
Ion Ratio Lower Upper
73 100
43 17.6 15.4 23.2
57 21.5 17.7 26.5



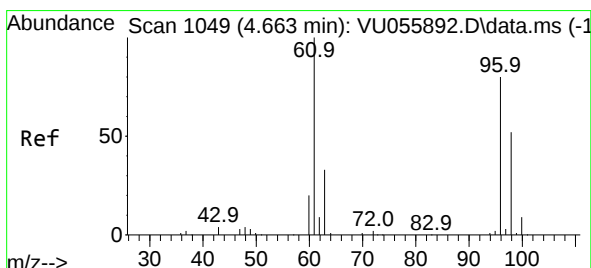
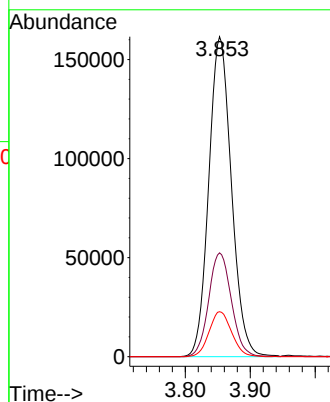
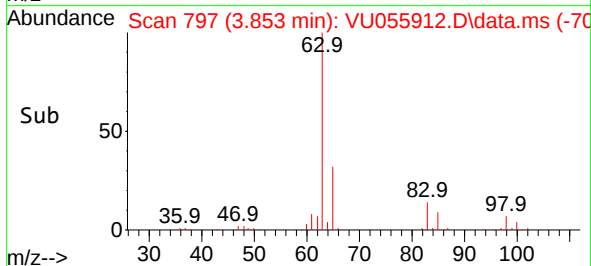


#19
1,1-Dichloroethane
Concen: 44.216 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.013 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

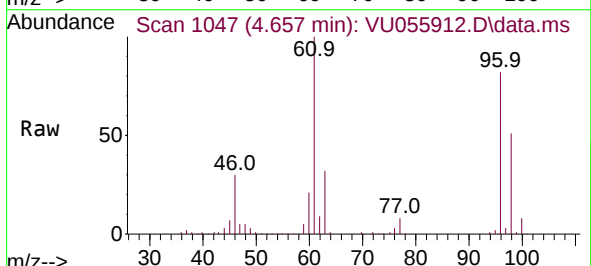
Instrument :
MSVOA_U
ClientSampleId :



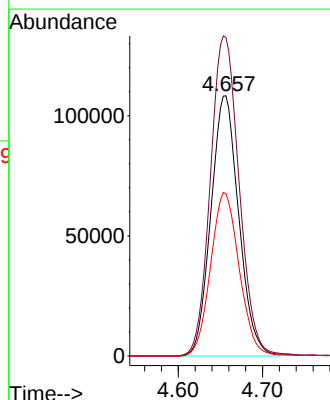
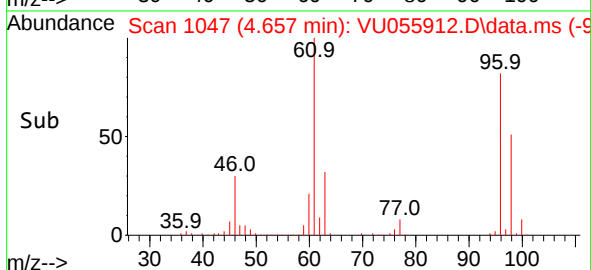
Tgt Ion: 63 Resp: 391167
Ion Ratio Lower Upper
63 100
65 32.4 22.3 41.5
83 14.0 9.5 17.7

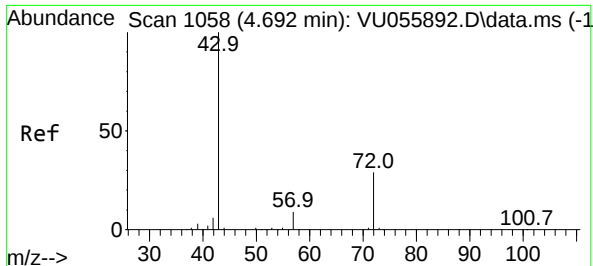


#20
cis-1,2-Dichloroethene
Concen: 50.564 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.006 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00



Tgt Ion: 96 Resp: 248954
Ion Ratio Lower Upper
96 100
61 122.5 92.3 171.5
98 62.4 43.9 81.5

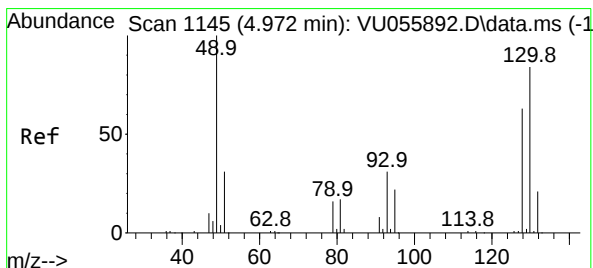
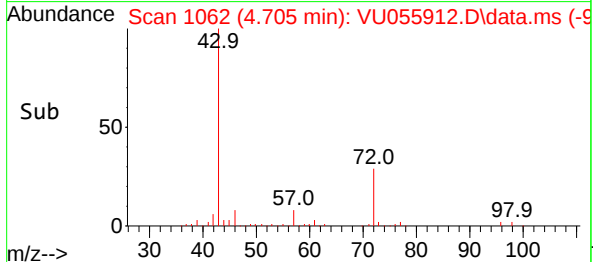
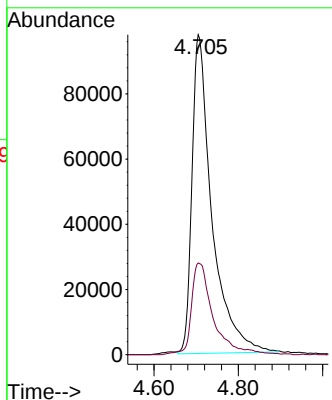
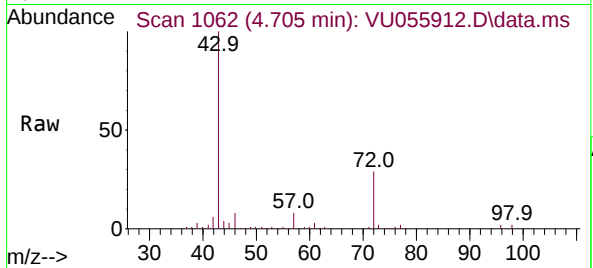




#22
2-Butanone
Concen: 72.553 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.013 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

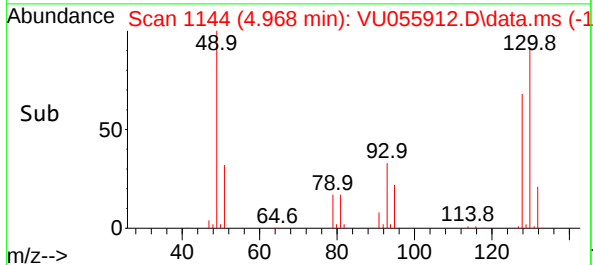
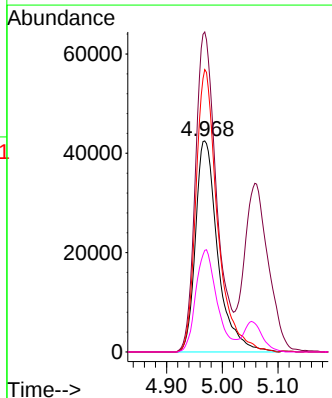
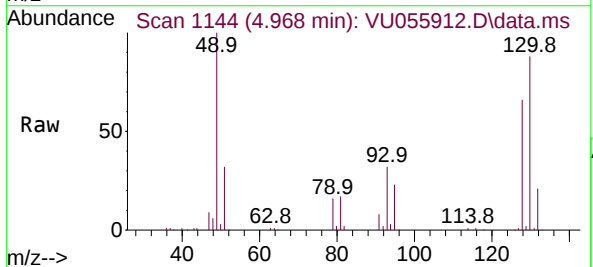
Instrument :
MSVOA_U
ClientSampleId :

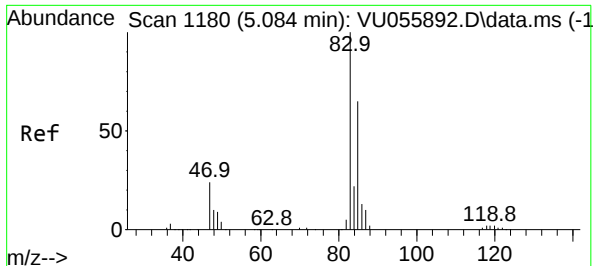
Tgt Ion: 43 Resp: 320965
Ion Ratio Lower Upper
43 100
72 29.7 14.6 44.0



#23
Bromochloromethane
Concen: 46.354 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion:128 Resp: 118196
Ion Ratio Lower Upper
128 100
49 151.6 116.3 216.1
130 133.7 91.6 170.0
51 48.2 43.1 64.7





#25

Chloroform

Concen: 45.769 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

Instrument :

MSVOA_U

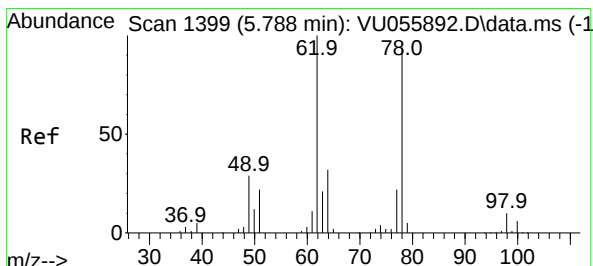
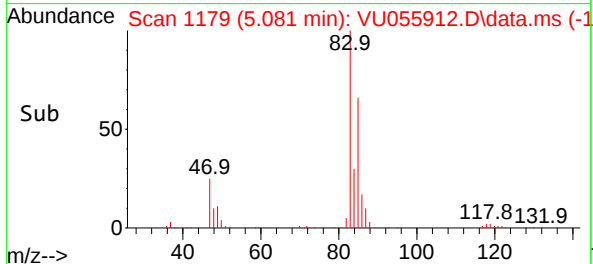
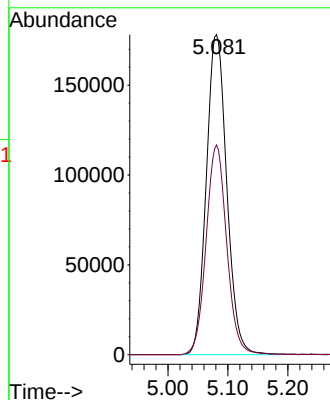
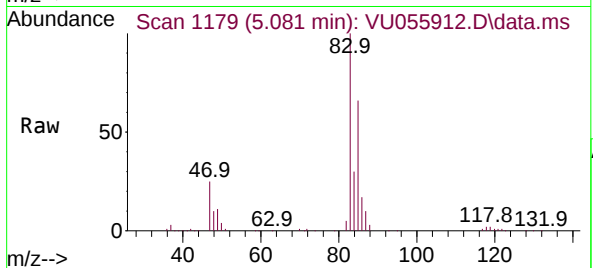
ClientSampleId :

Tgt Ion: 83 Resp: 422987

Ion Ratio Lower Upper

83 100

85 65.5 46.3 86.1



#27

1,2-Dichloroethane

Concen: 43.590 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU055912.D

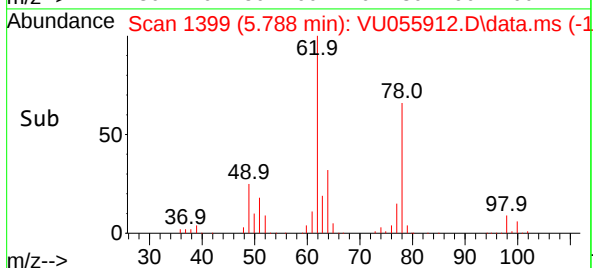
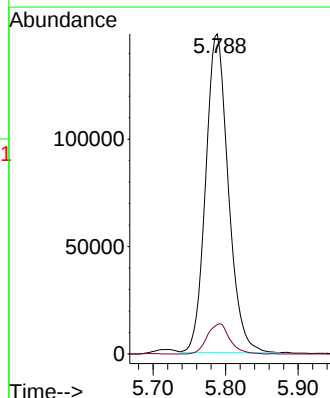
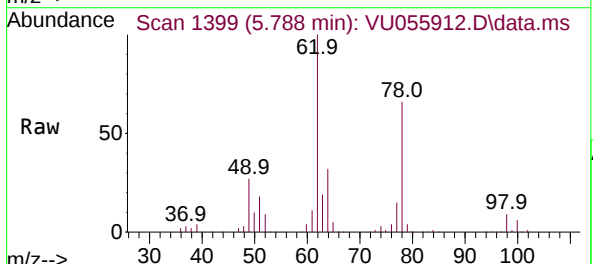
Acq: 26 Oct 2023 18:00

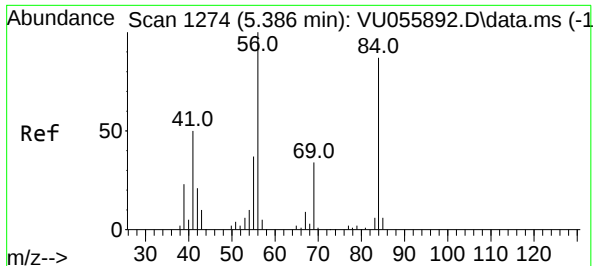
Tgt Ion: 62 Resp: 322195

Ion Ratio Lower Upper

62 100

98 9.2 7.2 10.8





#29

Cyclohexane

Concen: 46.341 ug/L

RT: 5.374 min Scan# 1270

Delta R.T. -0.013 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

Instrument :

MSVOA_U

ClientSampleId :

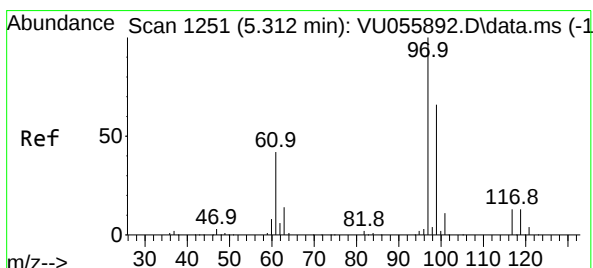
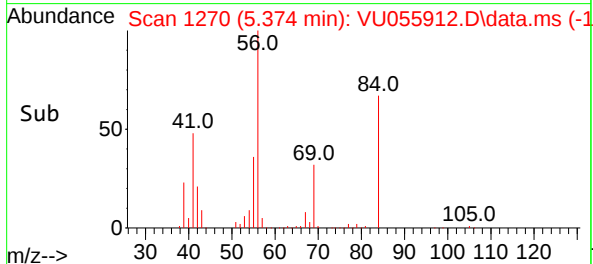
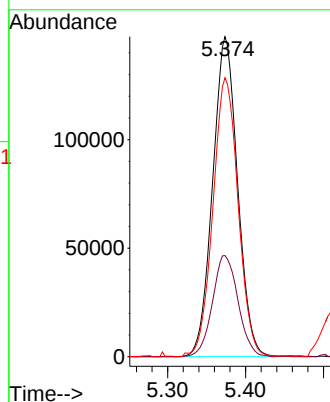
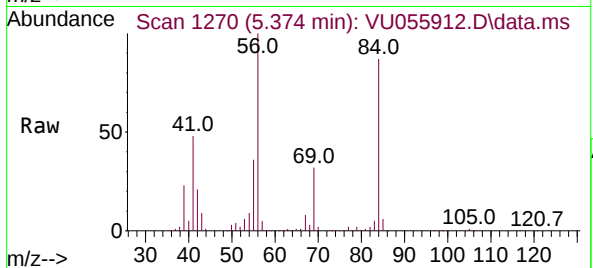
Tgt Ion: 56 Resp: 327907

Ion Ratio Lower Upper

56 100

69 32.5 24.9 37.3

84 87.2 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 43.492 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.006 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

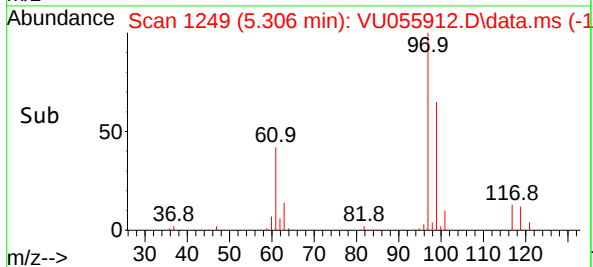
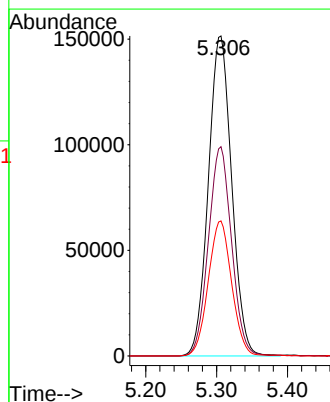
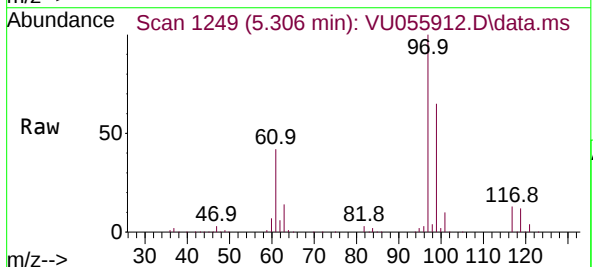
Tgt Ion: 97 Resp: 346874

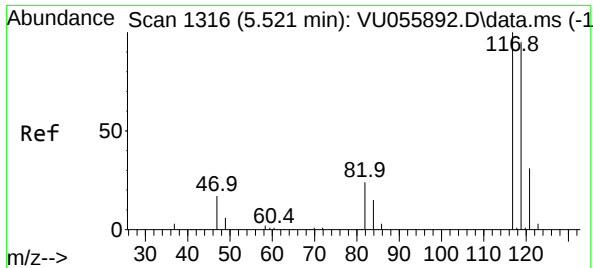
Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 42.2 36.8 55.2

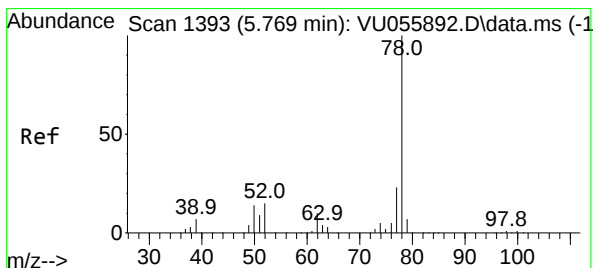
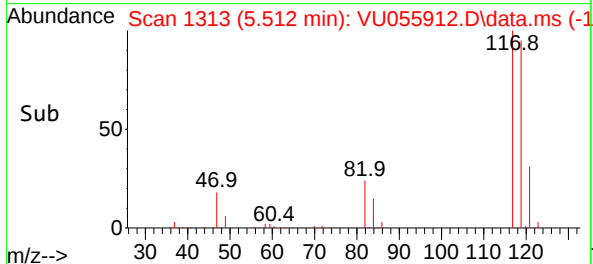
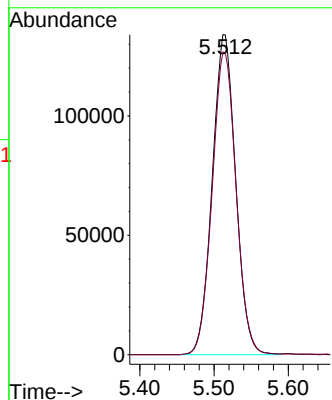
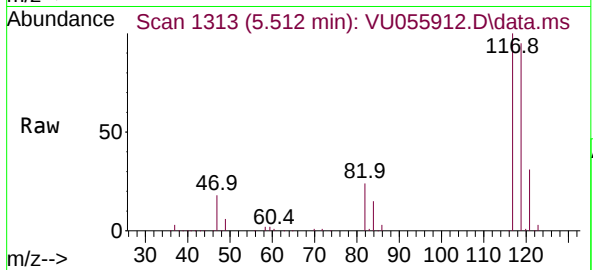




#31
Carbon tetrachloride
Concen: 42.103 ug/L
RT: 5.512 min Scan# 117
Delta R.T. -0.010 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

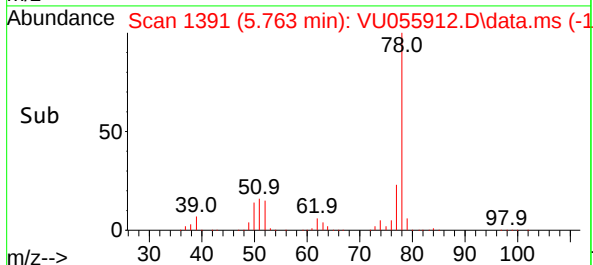
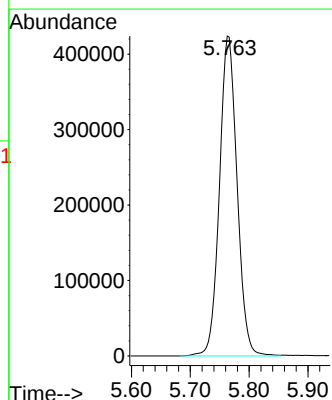
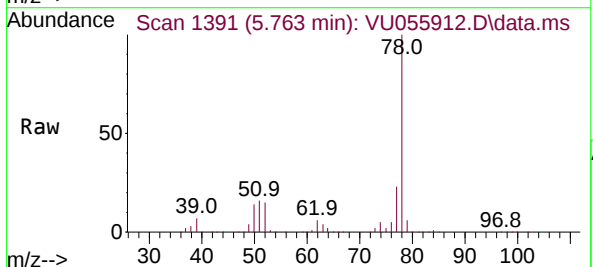
Instrument :
MSVOA_U
ClientSampleId :

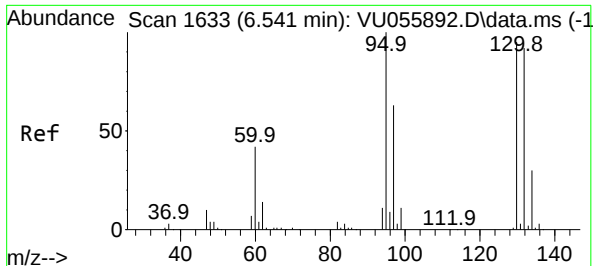
Tgt Ion:117 Resp: 293921
Ion Ratio Lower Upper
117 100
119 96.5 75.4 113.0



#33
Benzene
Concen: 45.263 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion: 78 Resp: 883266

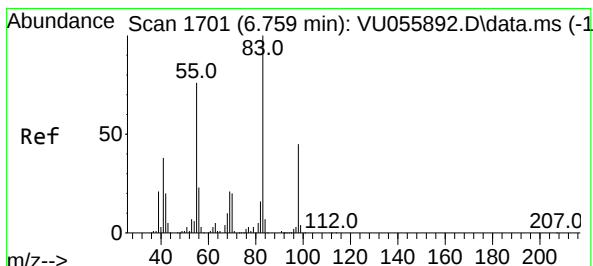
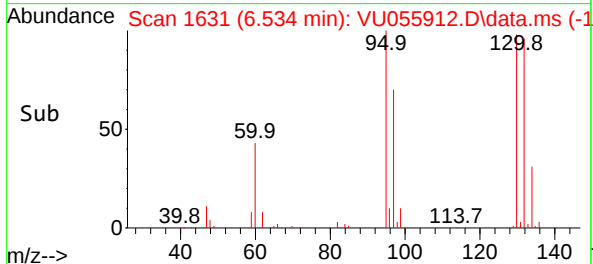
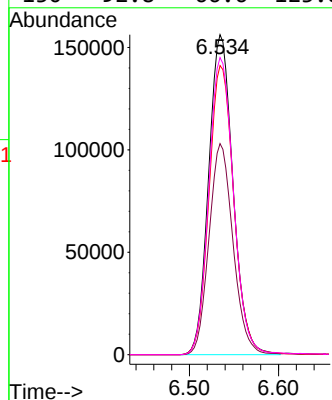
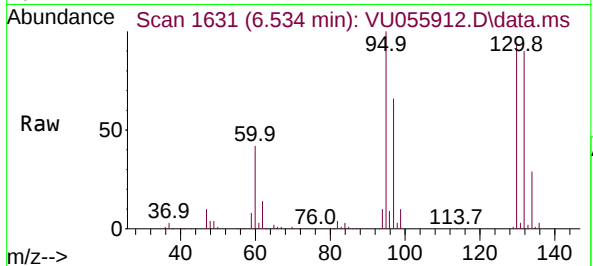




#34
Trichloroethene
Concen: 55.571 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

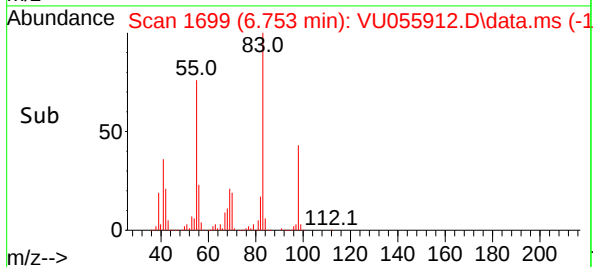
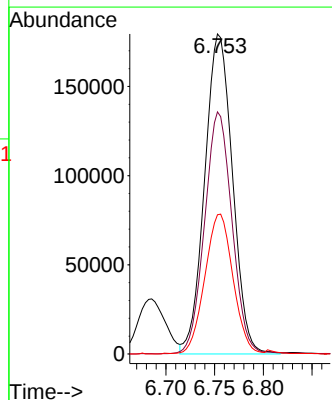
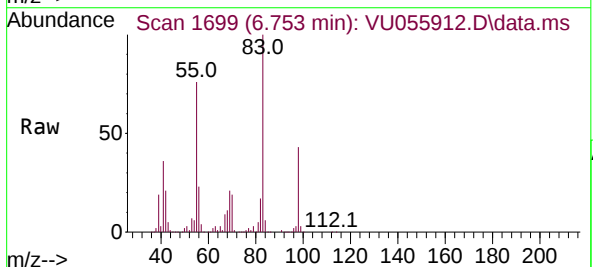
Instrument :
MSVOA_U
ClientSampleId :

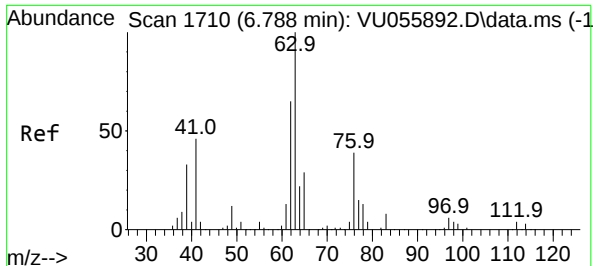
Tgt Ion: 95 Resp: 296718
Ion Ratio Lower Upper
95 100
97 65.9 44.4 82.5
132 90.3 61.8 114.8
130 92.8 66.6 123.8



#35
Methylcyclohexane
Concen: 46.064 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion: 83 Resp: 356856
Ion Ratio Lower Upper
83 100
55 74.7 61.2 91.8
98 43.9 35.8 53.6

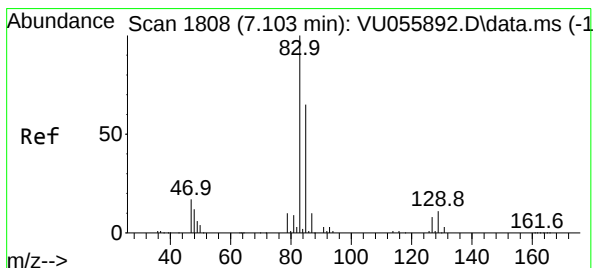
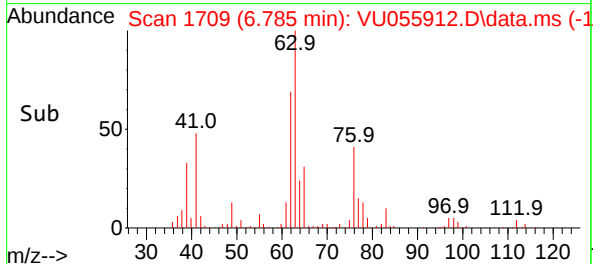
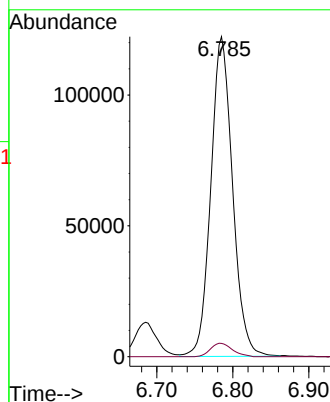
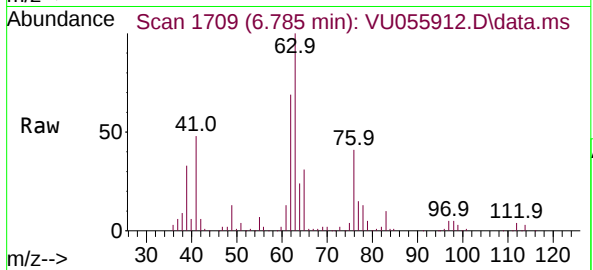




#37
1,2-Dichloropropane
Concen: 45.126 ug/L
RT: 6.785 min Scan# 1710
Delta R.T. -0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

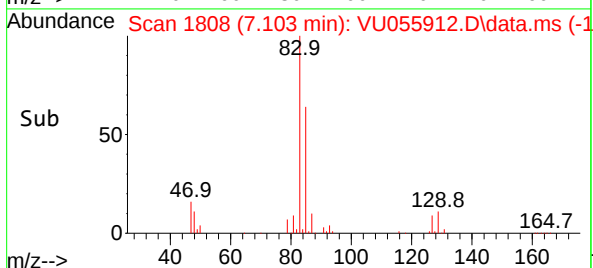
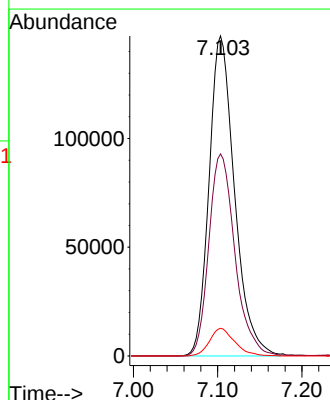
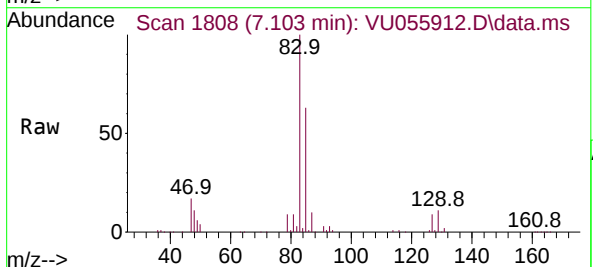
Instrument :
MSVOA_U
ClientSampleId :

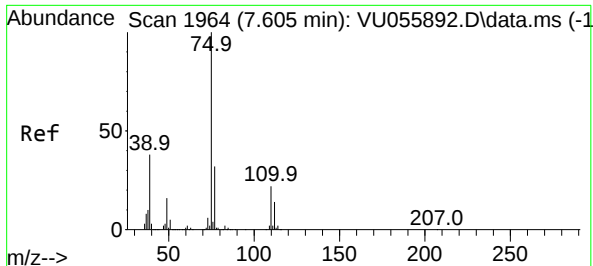
Tgt Ion: 63 Resp: 242486
Ion Ratio Lower Upper
63 100
112 4.2 3.0 4.4



#38
Bromodichloromethane
Concen: 43.697 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion: 83 Resp: 309646
Ion Ratio Lower Upper
83 100
85 63.2 46.0 85.4
127 9.4 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 48.166 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

Instrument :

MSVOA_U

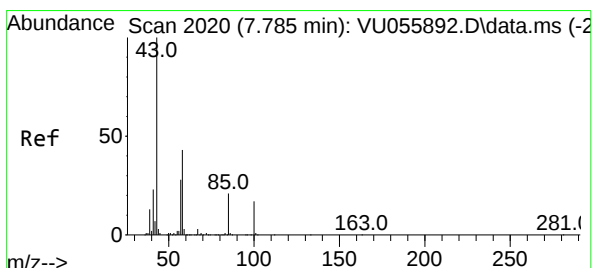
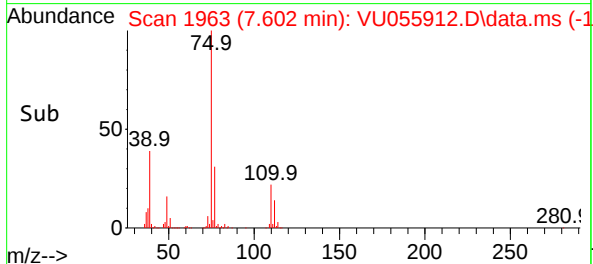
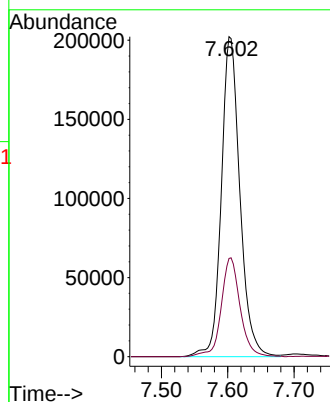
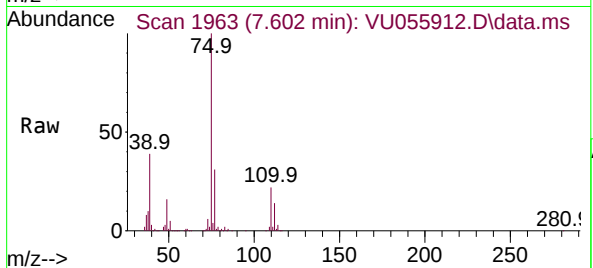
ClientSampleId :

Tgt Ion: 75 Resp: 393760

Ion Ratio Lower Upper

75 100

77 30.7 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 85.595 ug/L

RT: 7.811 min Scan# 2028

Delta R.T. 0.026 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

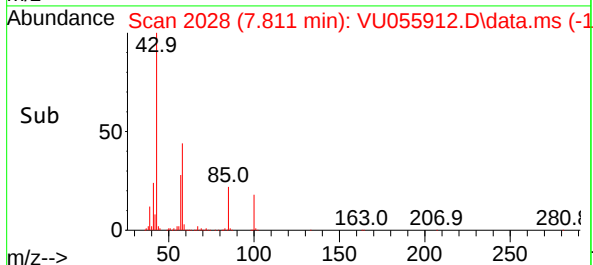
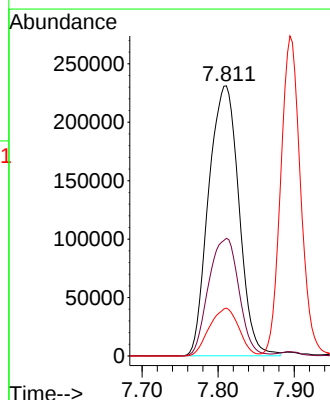
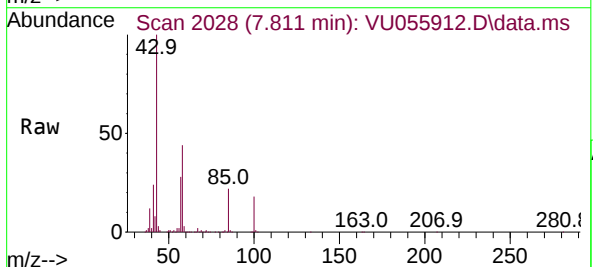
Tgt Ion: 43 Resp: 639867

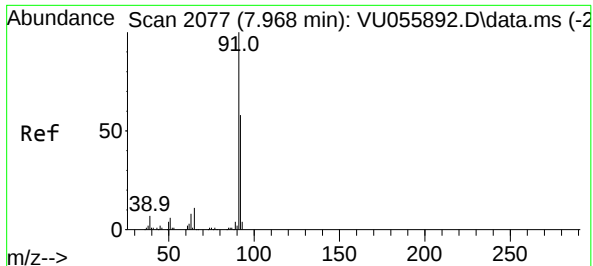
Ion Ratio Lower Upper

43 100

58 43.6 32.3 48.5

100 17.2 12.0 18.0





#42

Toluene

Concen: 47.296 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

Instrument :

MSVOA_U

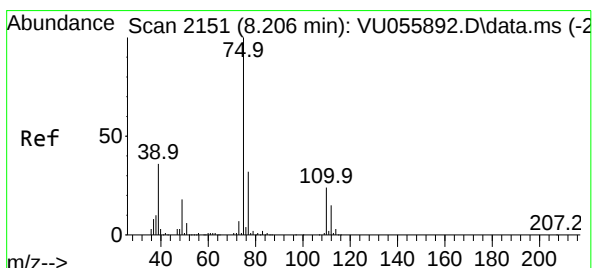
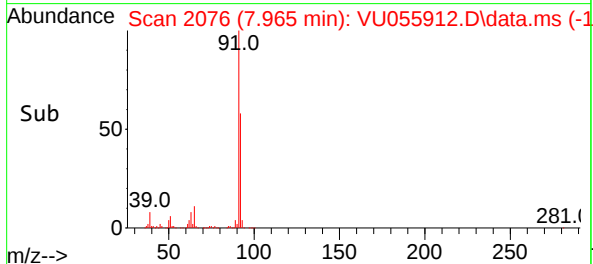
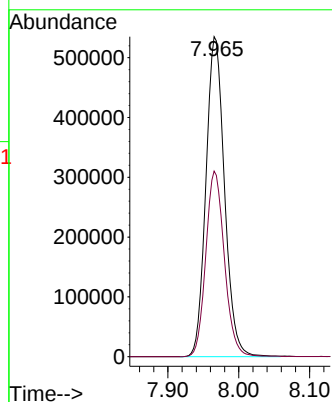
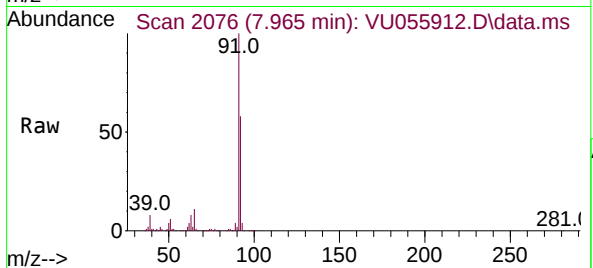
ClientSampleId :

Tgt Ion: 91 Resp: 973874

Ion Ratio Lower Upper

91 100

92 58.0 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 47.233 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU055912.D

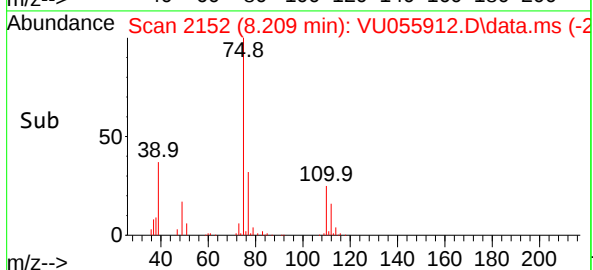
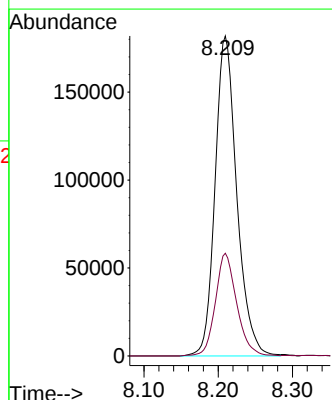
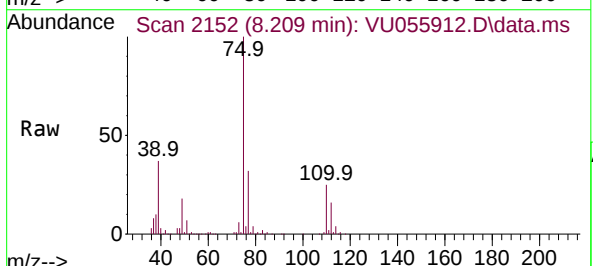
Acq: 26 Oct 2023 18:00

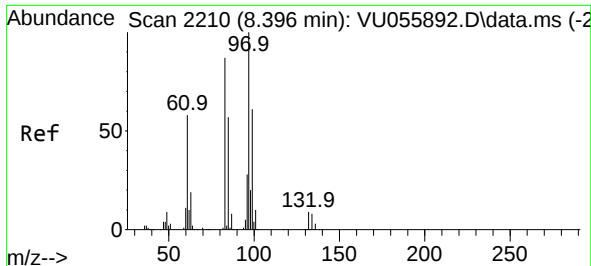
Tgt Ion: 75 Resp: 369456

Ion Ratio Lower Upper

75 100

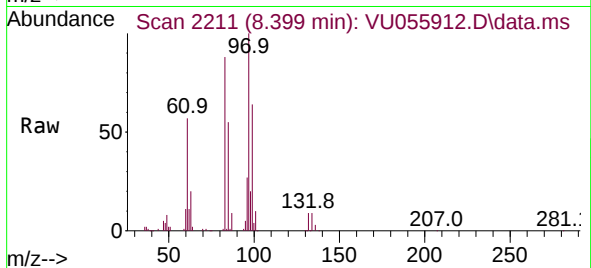
77 32.1 21.6 40.2





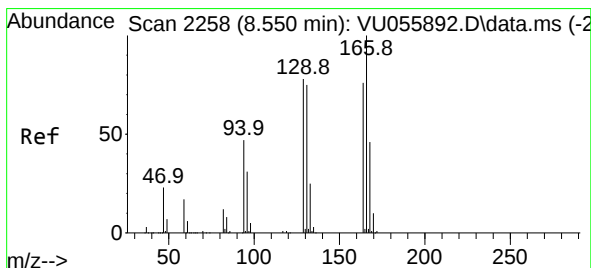
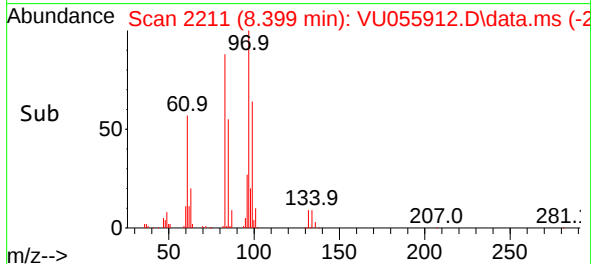
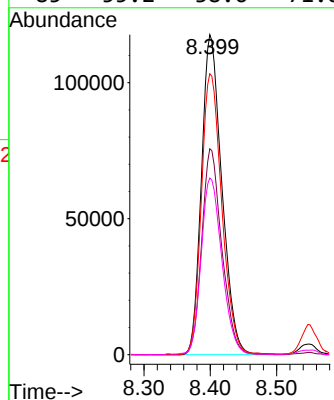
#45
1,1,2-Trichloroethane
Concen: 47.406 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 97 Resp: 251185

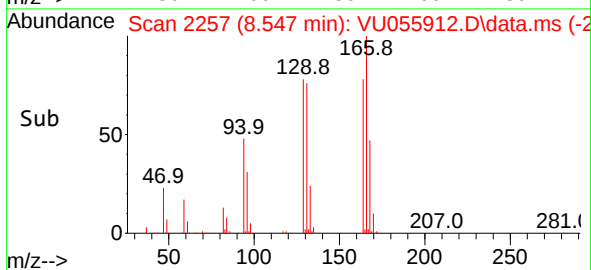
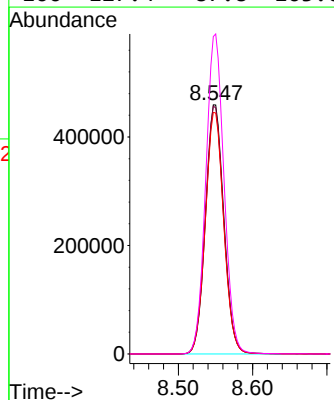
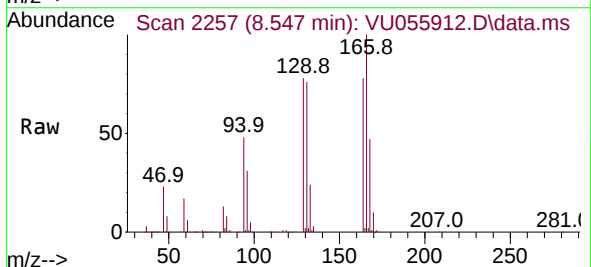
Ion	Ratio	Lower	Upper
97	100		
99	64.4	44.4	82.5
83	87.8	60.4	112.2
85	55.2	38.6	71.8

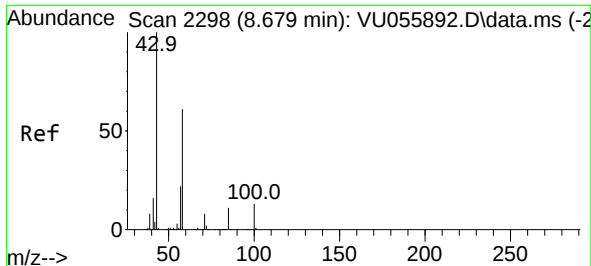


#46
Tetrachloroethene
Concen: 205.879 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion: 164 Resp: 787050

Ion	Ratio	Lower	Upper
164	100		
129	99.5	70.7	131.3
131	97.0	65.9	122.5
166	127.4	87.8	163.0

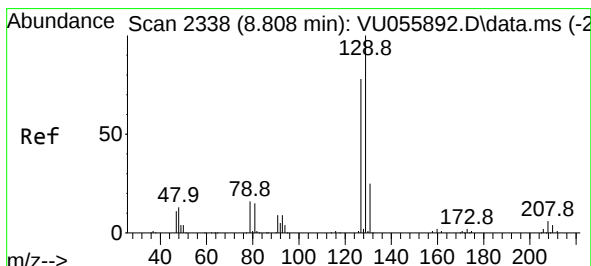
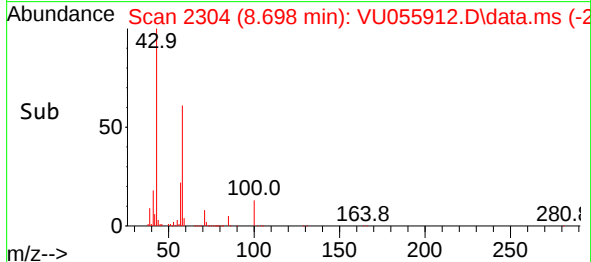
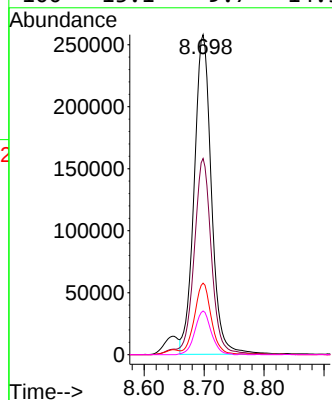
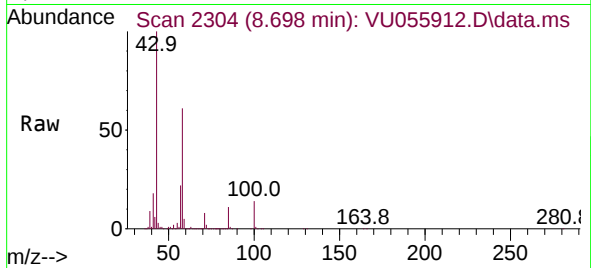




#48
2-Hexanone
Concen: 81.617 ug/L
RT: 8.698 min Scan# 21
Delta R.T. 0.019 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

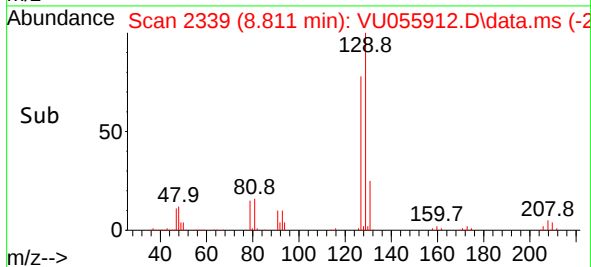
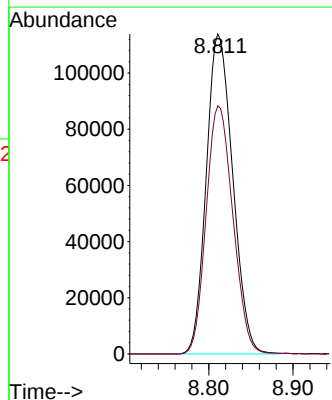
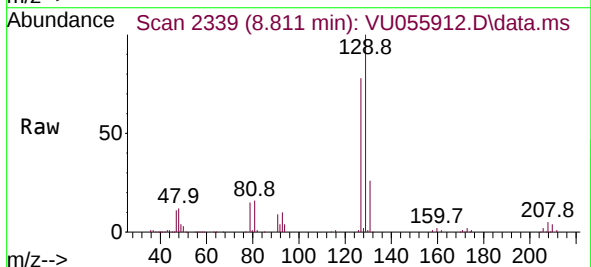
Instrument :
MSVOA_U
ClientSampleId :

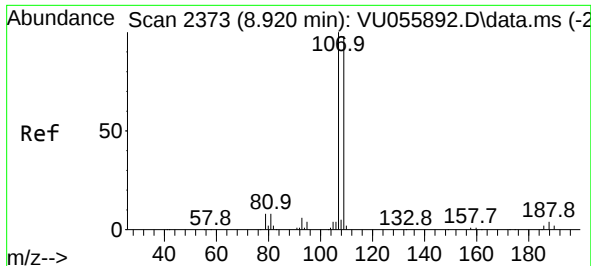
Tgt Ion: 43 Resp: 515353
Ion Ratio Lower Upper
43 100
58 60.2 45.2 67.8
57 21.8 16.1 24.1
100 13.1 9.7 14.5



#49
Dibromochloromethane
Concen: 45.996 ug/L
RT: 8.811 min Scan# 2339
Delta R.T. 0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion: 129 Resp: 249018
Ion Ratio Lower Upper
129 100
127 77.5 54.0 100.4





#50

1,2-Dibromoethane

Concen: 45.830 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.003 min

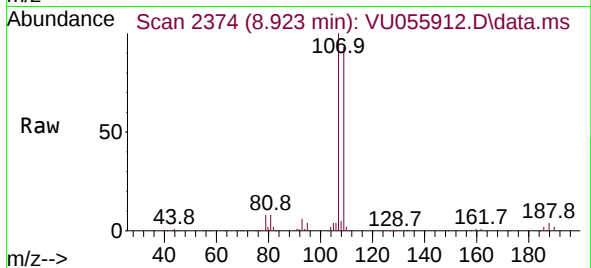
Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

Instrument :

MSVOA_U

ClientSampleId :



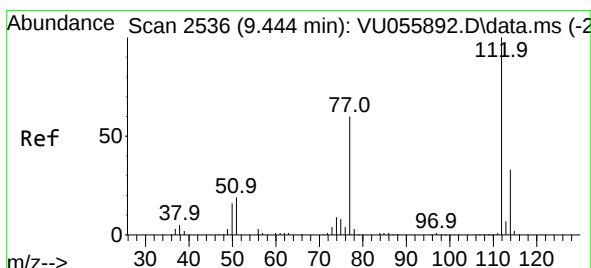
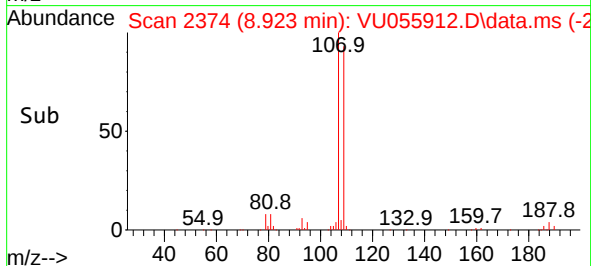
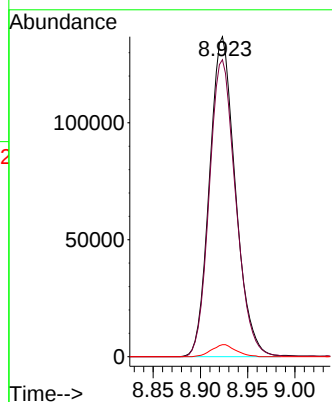
Tgt Ion:107 Resp: 260824

Ion Ratio Lower Upper

107 100

109 92.8 66.7 123.9

188 3.8 2.6 4.0



#51

Chlorobenzene

Concen: 47.888 ug/L

RT: 9.447 min Scan# 2537

Delta R.T. 0.003 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

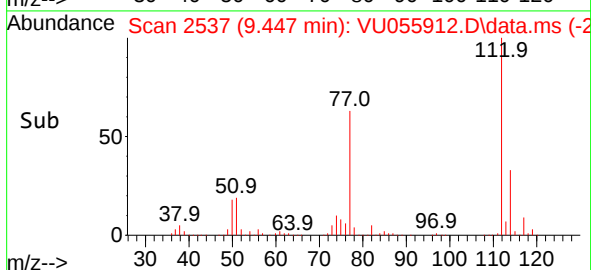
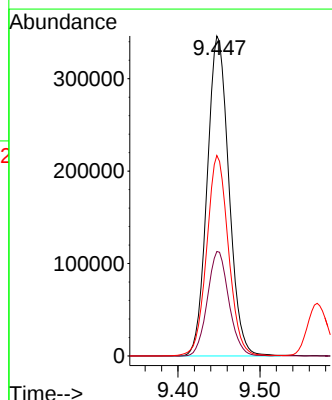
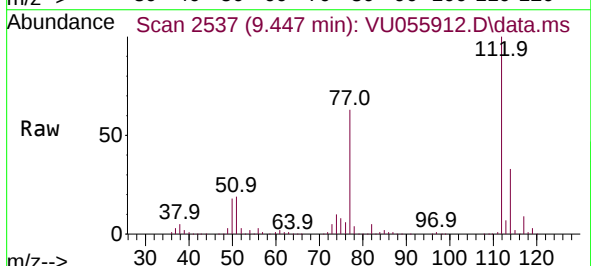
Tgt Ion:112 Resp: 637985

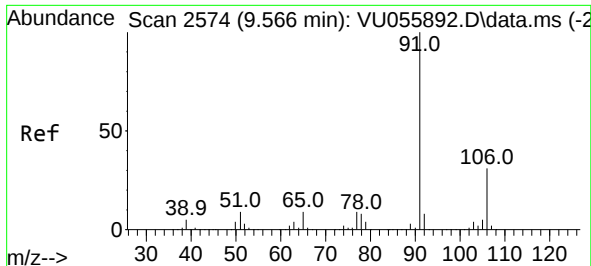
Ion Ratio Lower Upper

112 100

114 32.6 22.0 40.8

77 62.7 49.0 73.6

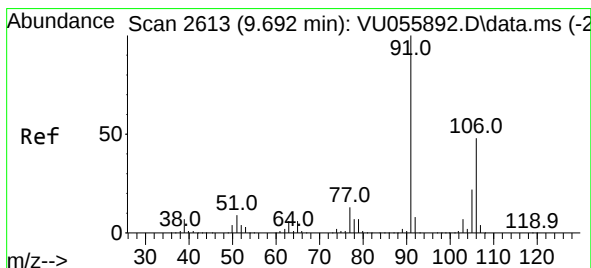
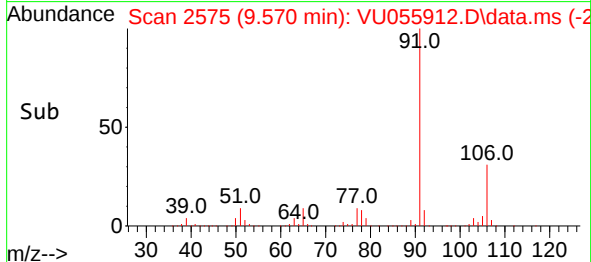
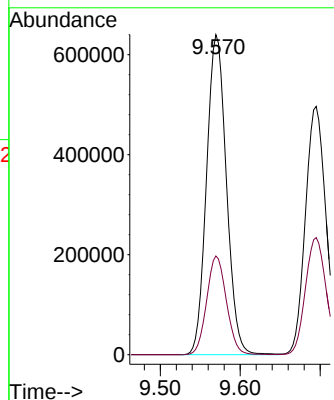
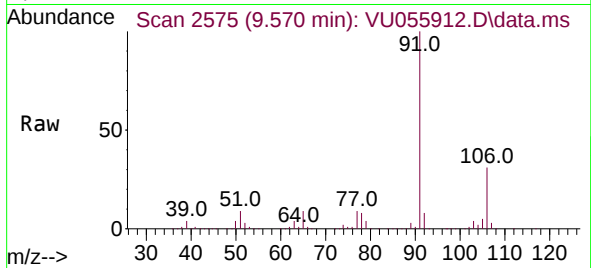




#52
Ethylbenzene
Concen: 49.198 ug/L
RT: 9.570 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

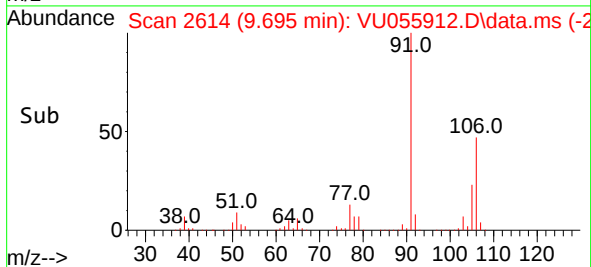
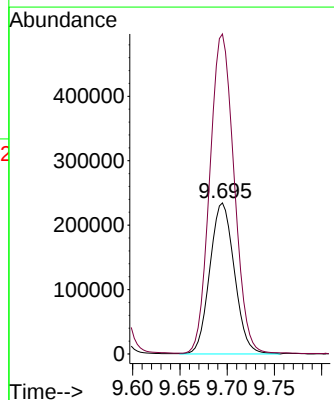
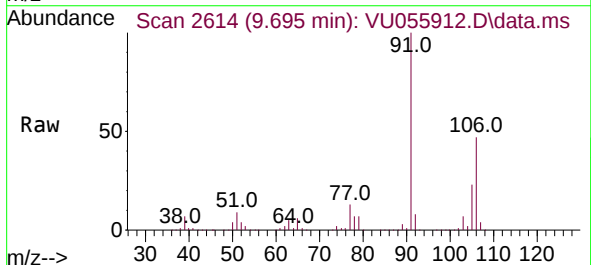
Instrument :
MSVOA_U
ClientSampleId :

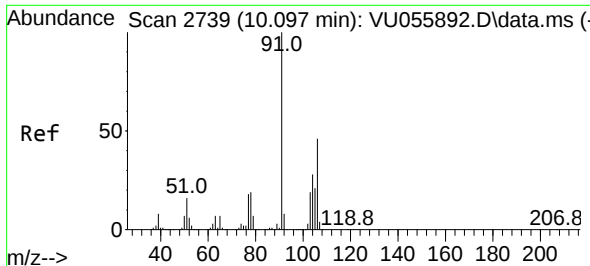
Tgt Ion: 91 Resp: 1107542
Ion Ratio Lower Upper
91 100
106 30.8 21.2 39.4



#53
m,p-Xylene
Concen: 50.204 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion:106 Resp: 423409
Ion Ratio Lower Upper
106 100
91 211.9 143.8 267.0

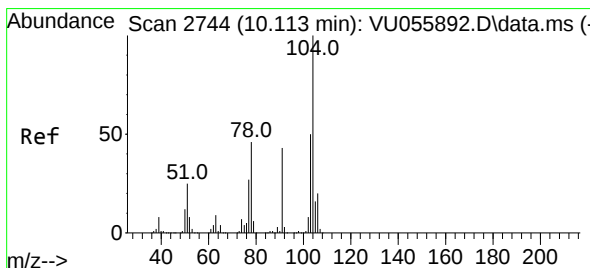
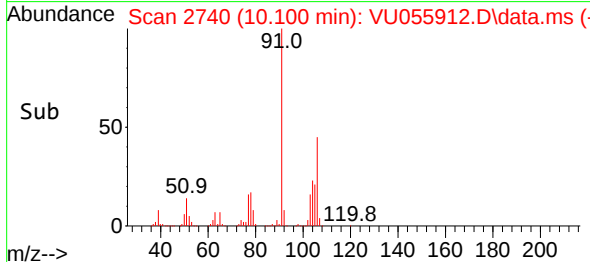
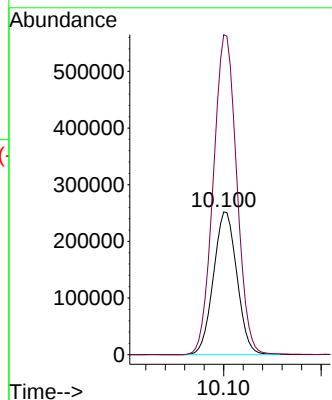
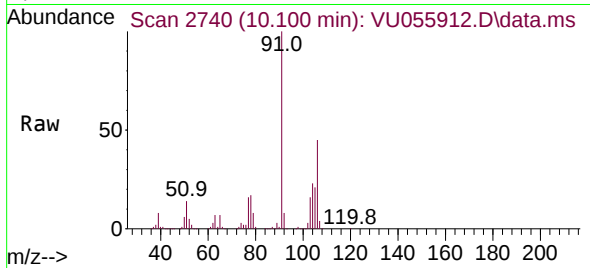




#54
o-Xylene
Concen: 51.720 ug/L
RT: 10.100 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

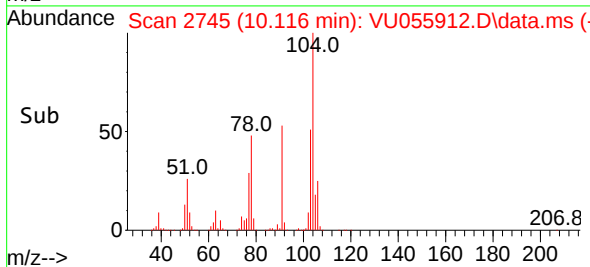
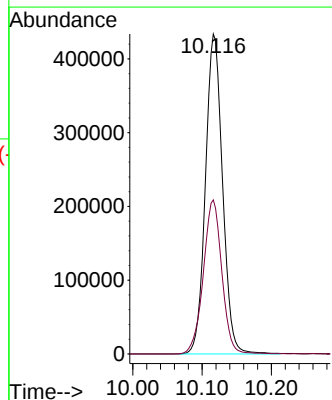
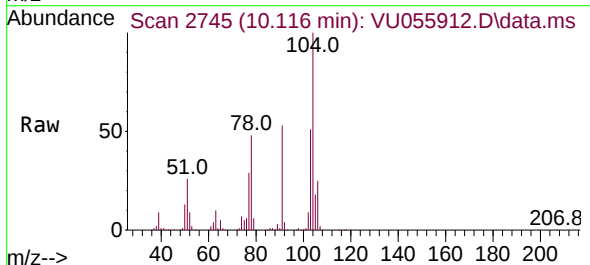
Instrument :
MSVOA_U
ClientSampleId :

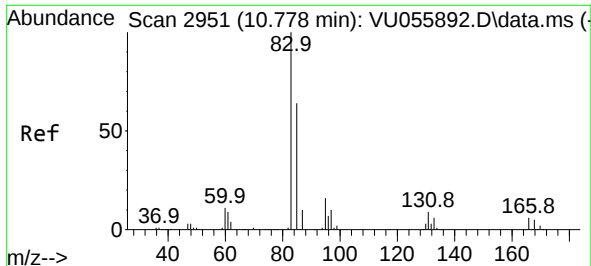
Tgt Ion:106 Resp: 422102
Ion Ratio Lower Upper
106 100
91 224.2 151.8 282.0



#55
Styrene
Concen: 53.802 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion:104 Resp: 743845
Ion Ratio Lower Upper
104 100
78 48.2 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 48.212 ug/L

RT: 10.785 min Scan# 2951

Delta R.T. 0.006 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

Instrument :

MSVOA_U

ClientSampleId :

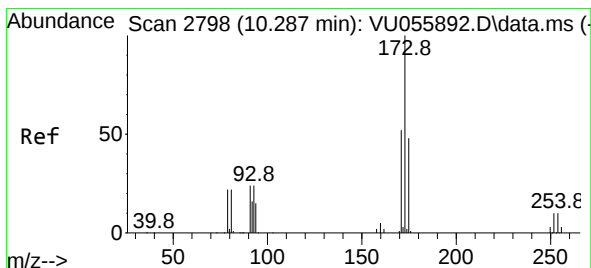
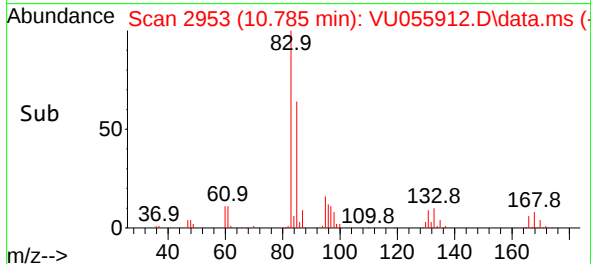
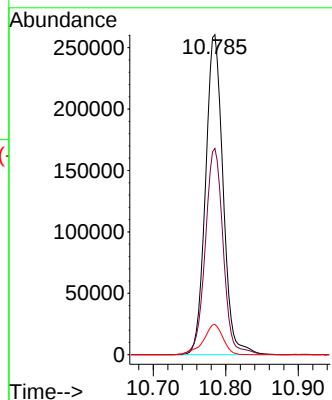
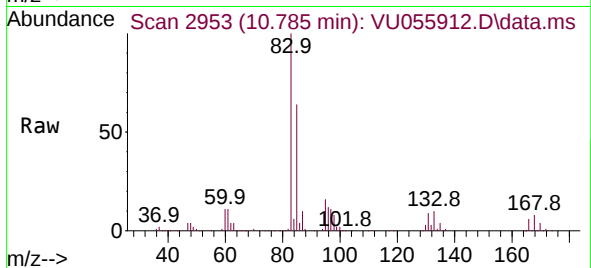
Tgt Ion: 83 Resp: 437408

Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.5

131 9.4 7.3 10.9



#59

Bromoform

Concen: 49.030 ug/L

RT: 10.296 min Scan# 2801

Delta R.T. 0.010 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

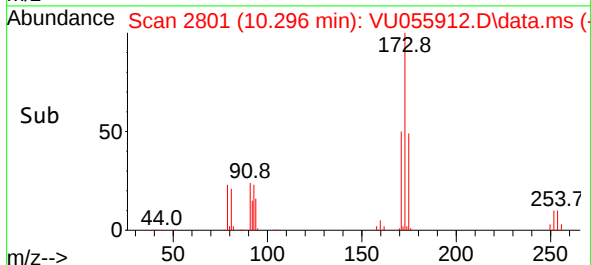
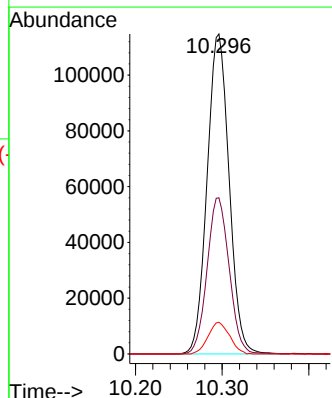
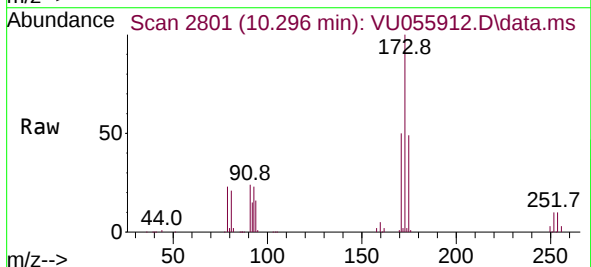
Tgt Ion:173 Resp: 202539

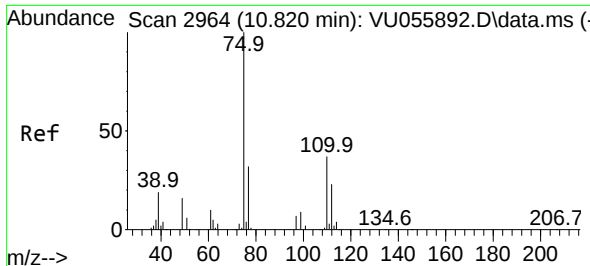
Ion Ratio Lower Upper

173 100

175 48.9 40.4 60.6

254 9.6 7.3 10.9

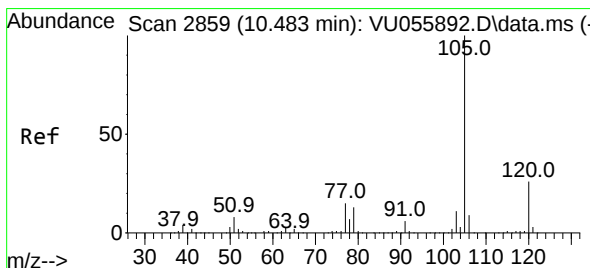
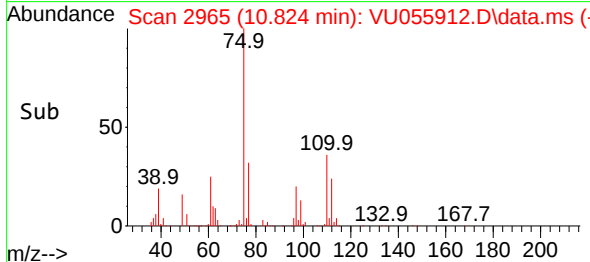
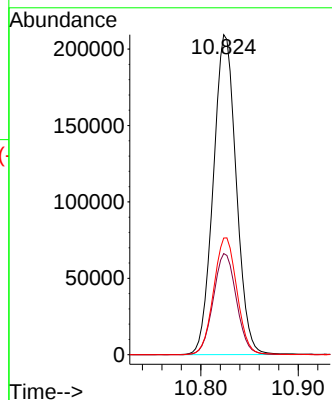
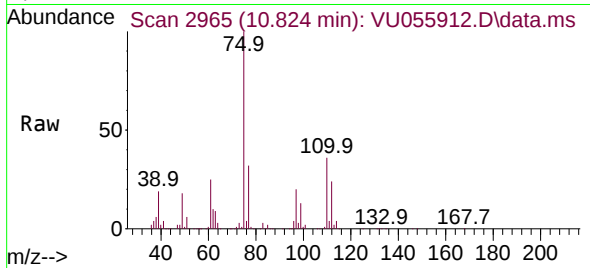




#60
1,2,3-Trichloropropane
Concen: 47.039 ug/L
RT: 10.824 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

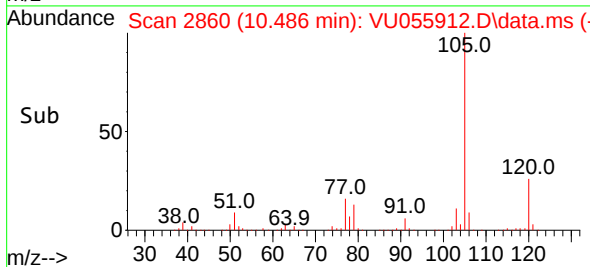
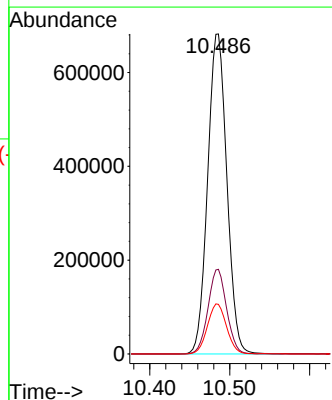
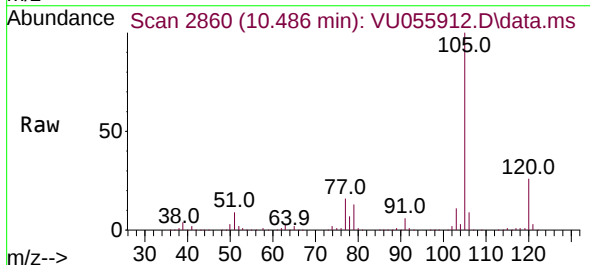
Instrument :
MSVOA_U
ClientSampleId :

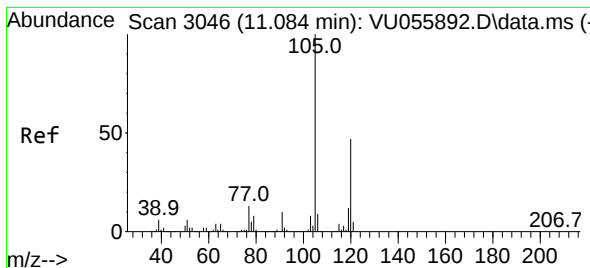
Tgt Ion: 75 Resp: 342578
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.8
110 37.1 28.5 42.7



#61
Isopropylbenzene
Concen: 54.446 ug/L
RT: 10.486 min Scan# 2860
Delta R.T. 0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion: 105 Resp: 1138990
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 15.6 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 57.600 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

Instrument :

MSVOA_U

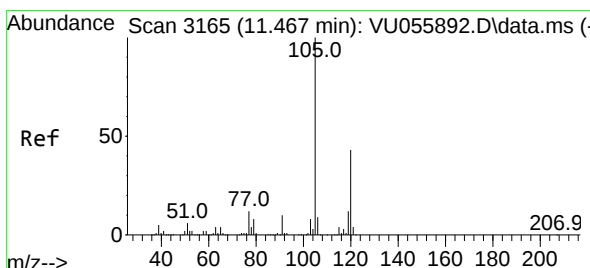
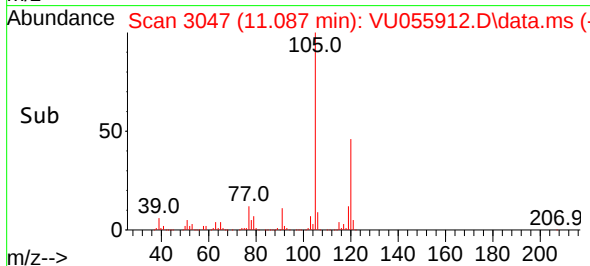
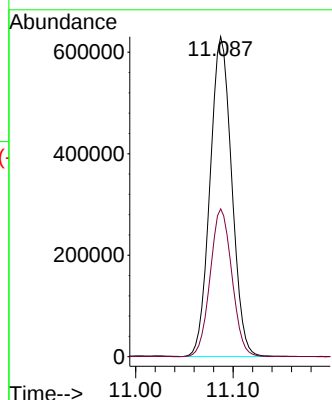
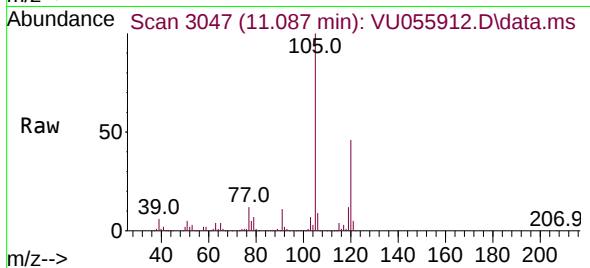
ClientSampleId :

Tgt Ion:105 Resp: 975026

Ion Ratio Lower Upper

105 100

120 46.3 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 58.003 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055912.D

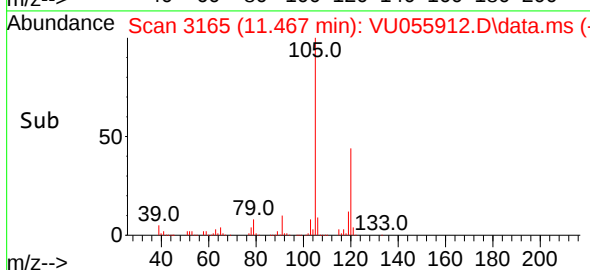
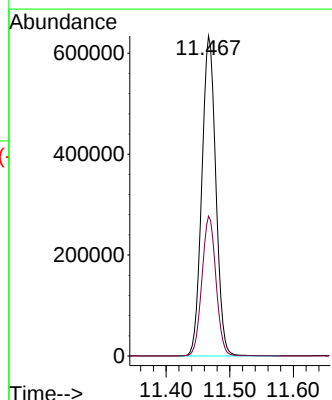
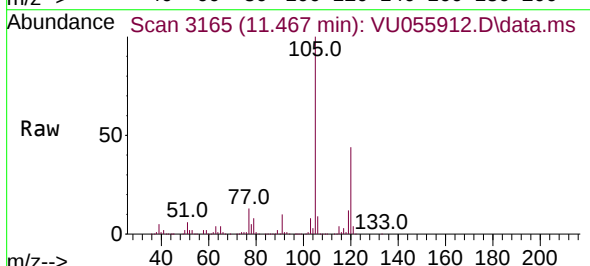
Acq: 26 Oct 2023 18:00

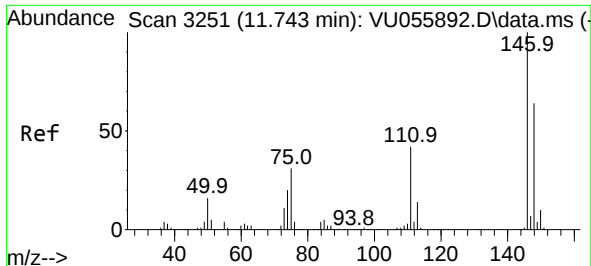
Tgt Ion:105 Resp: 970862

Ion Ratio Lower Upper

105 100

120 43.8 35.0 52.4

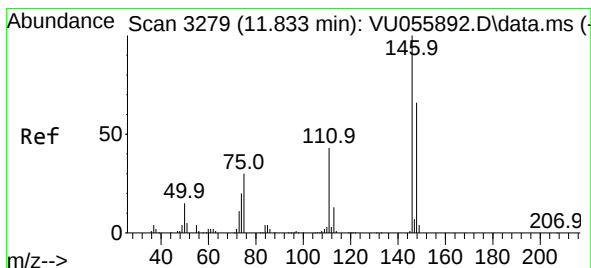
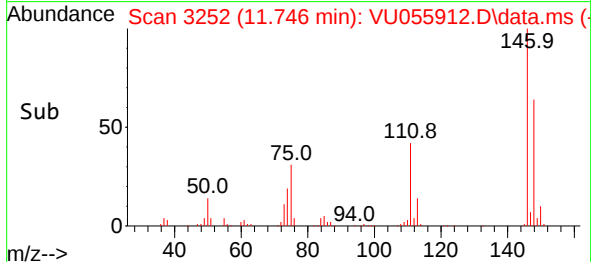
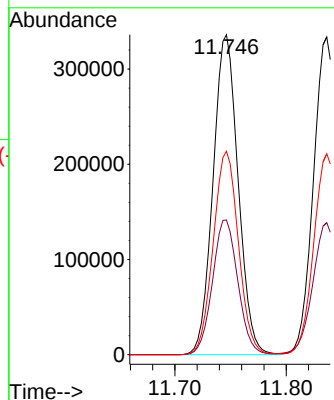
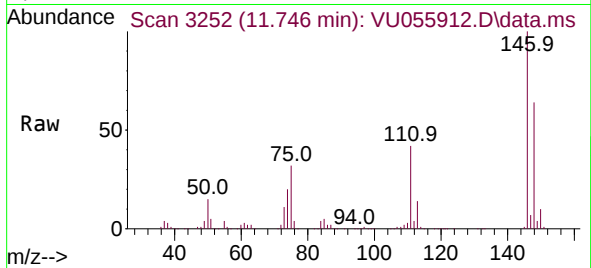




#64
1,3-Dichlorobenzene
Concen: 50.838 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

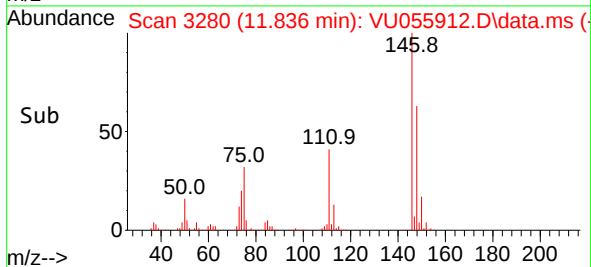
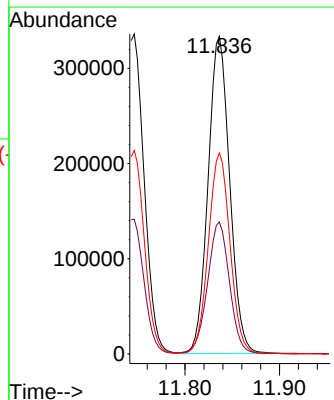
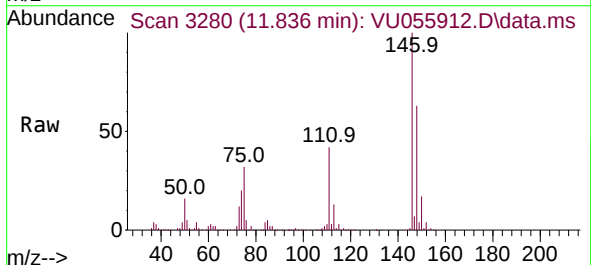
Instrument :
MSVOA_U
ClientSampleId :

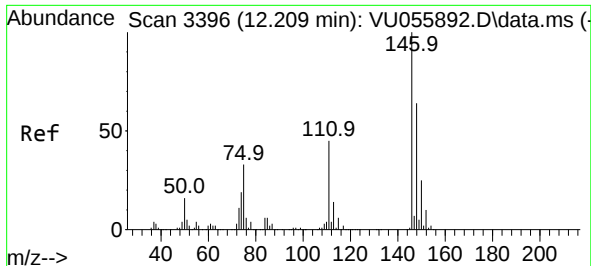
Tgt Ion:146 Resp: 525740
Ion Ratio Lower Upper
146 100
111 42.1 29.7 55.1
148 63.6 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 49.751 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion:146 Resp: 528970
Ion Ratio Lower Upper
146 100
111 41.5 28.6 53.0
148 63.3 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 51.296 ug/L

RT: 12.213 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

Instrument :

MSVOA_U

ClientSampleId :

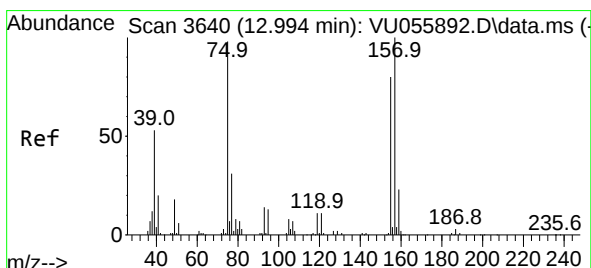
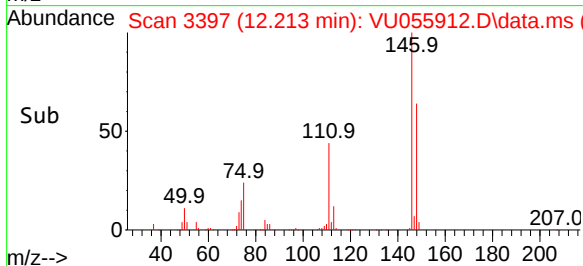
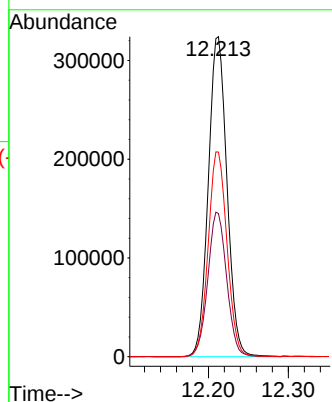
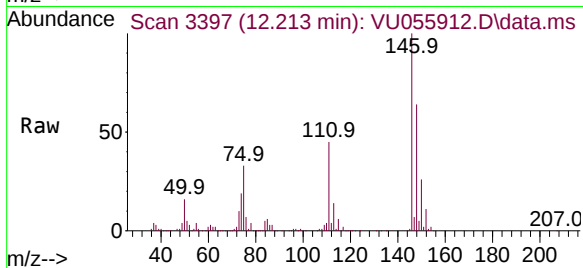
Tgt Ion:146 Resp: 526431

Ion Ratio Lower Upper

146 100

111 44.7 35.2 52.8

148 64.0 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 39.999 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

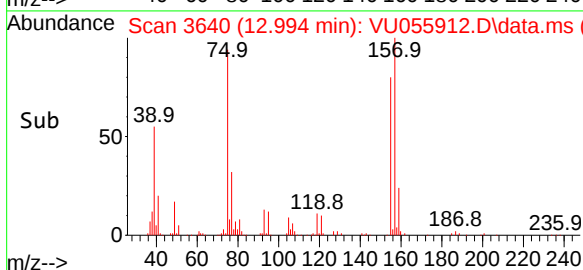
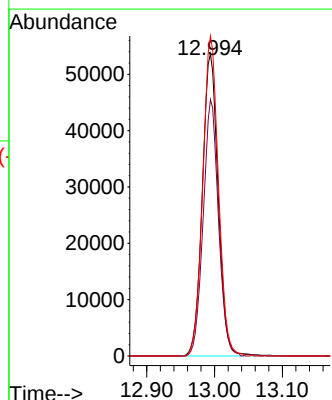
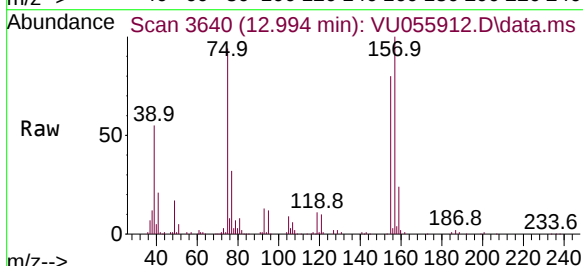
Tgt Ion: 75 Resp: 87090

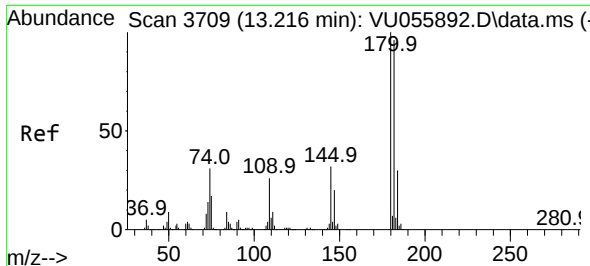
Ion Ratio Lower Upper

75 100

155 84.9 59.6 89.4

157 105.9 77.7 116.5

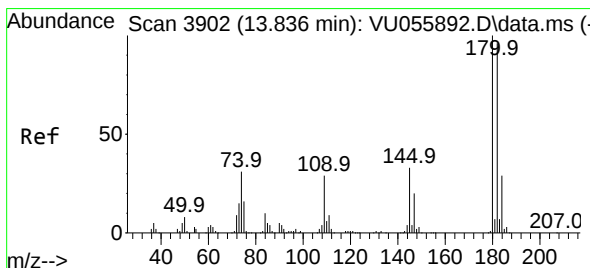
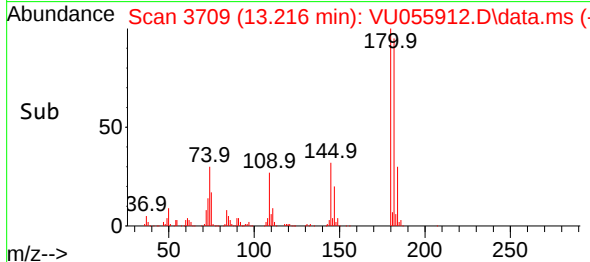
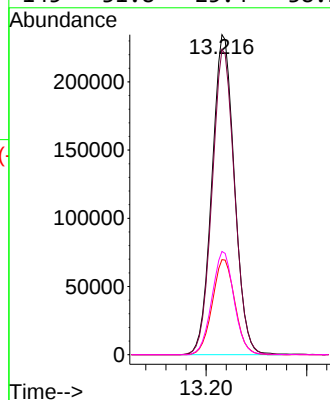
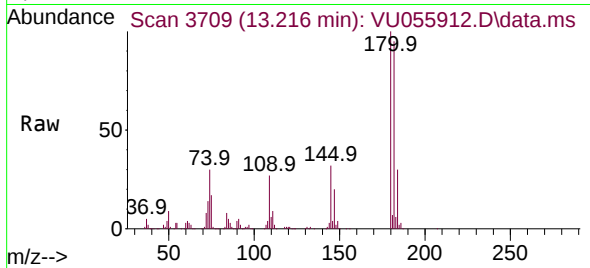




#69
1,3,5-Trichlorobenzene
Concen: 52.707 ug/L
RT: 13.216 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

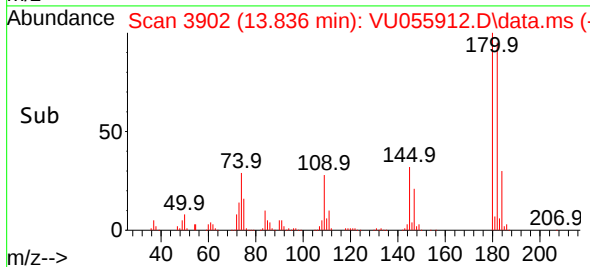
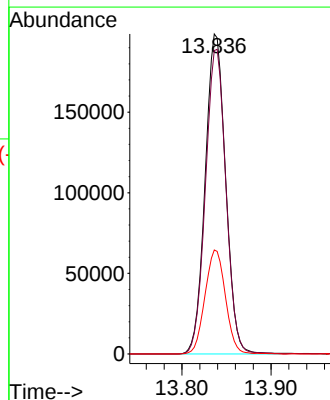
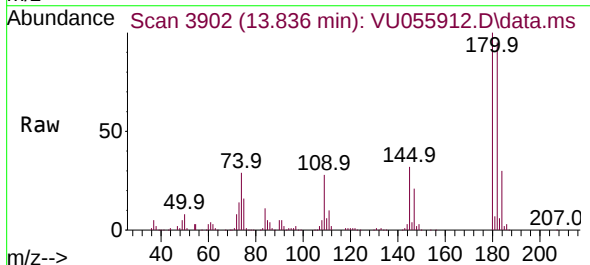
Instrument :
MSVOA_U
ClientSampleId :

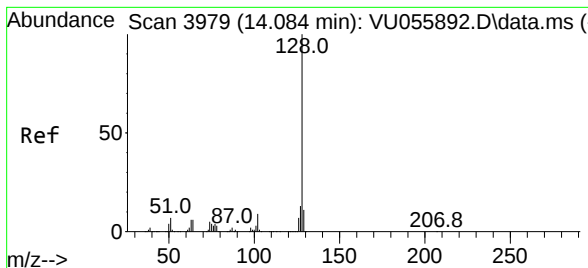
Tgt Ion:180 Resp: 363573
Ion Ratio Lower Upper
180 100
182 95.2 76.2 114.2
184 29.8 23.9 35.9
145 31.8 25.4 38.2



#70
1,2,4-trichlorobenzene
Concen: 55.024 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.000 min
Lab File: VU055912.D
Acq: 26 Oct 2023 18:00

Tgt Ion:180 Resp: 316150
Ion Ratio Lower Upper
180 100
182 95.4 75.4 113.2
145 32.4 26.1 39.1





#71

Naphthalene

Concen: 56.523 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

Instrument :

MSVOA_U

ClientSampleId :

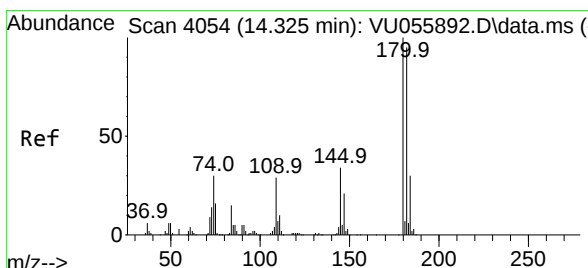
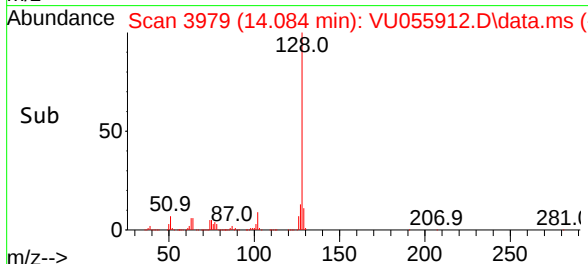
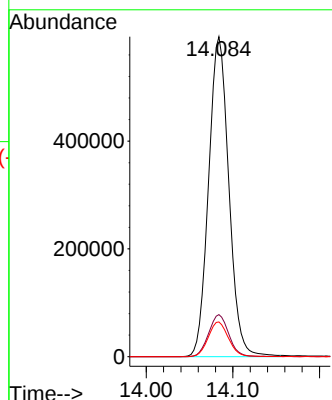
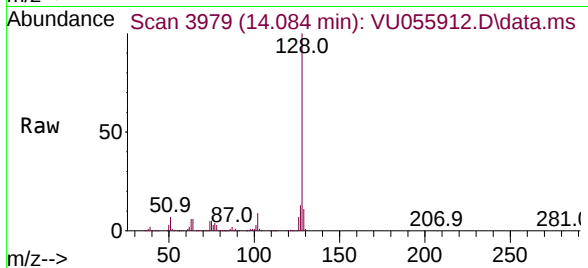
Tgt Ion:128 Resp: 964722

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 55.698 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU055912.D

Acq: 26 Oct 2023 18:00

Tgt Ion:180 Resp: 315523

Ion Ratio Lower Upper

180 100

182 94.0 78.1 117.1

145 34.6 27.4 41.0

