

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083123\
 Data File : VU055012.D
 Acq On : 31 Aug 2023 09:06
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 01 04:55:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 31 02:34:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	164033	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	150182	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	77455	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	19277	3.723	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.400%
7) Chloroethane-d5	1.911	69	26784	4.004	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.563	65	11469	3.920	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.400%
20) 2-Butanone-d5	4.627	46	160440	57.411	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.820%
24) Chloroform-d	5.062	84	95487	4.972	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.701	65	50801	4.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.727	84	158718	4.702	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.688	67	58901	4.961	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.897	98	142614	4.411	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	8.180	79	16110	4.123	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.634	63	99097	53.434	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.860%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	55417	5.443	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	61005	4.933	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	49684	4.888	ug/L	100
3) Chloromethane	1.518	50	55169	5.202	ug/L	97
5) Vinyl chloride	1.602	62	58463	5.310	ug/L	99
6) Bromomethane	1.856	94	30687	4.467	ug/L	97
8) Chloroethane	1.930	64	37627	5.197	ug/L	97
9) Trichlorofluoromethane	2.136	101	78477	5.009	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	40205	4.724	ug/L	98
12) 1,1-Dichloroethene	2.576	96	40607	5.482	ug/L	86
13) Acetone	2.637	43	76277	50.495	ug/L	99
14) Carbon disulfide	2.788	76	98113	4.783	ug/L	97
15) Methyl Acetate	2.956	43	17548	5.675	ug/L	100
16) Methylene chloride	3.039	84	58528	5.144	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	116097	5.386	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	41761	5.159	ug/L	93
19) 1,1-Dichloroethane	3.865	63	91855	5.410	ug/L	99
21) 2-Butanone	4.711	43	122259	52.819	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	54826	5.681	ug/L	97
23) Bromochloromethane	4.975	128	22794	5.459	ug/L	88
25) Chloroform	5.084	83	99696	5.353	ug/L	97

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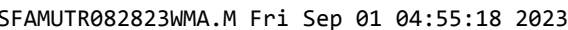
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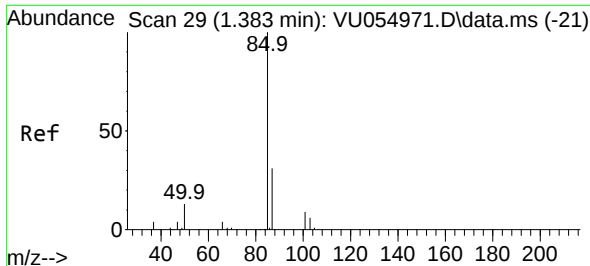
Quant Time: Sep 01 04:55:07 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.795	62	60500	5.317	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	78044	5.228	ug/L	98
30) Cyclohexane	5.386	56	57745	4.363	ug/L	96
31) Carbon tetrachloride	5.521	117	60888	4.794	ug/L	98
33) Benzene	5.772	78	187259	5.286	ug/L	100
34) Trichloroethene	6.541	95	55628	5.666	ug/L	98
35) Methylcyclohexane	6.759	83	53284	3.668	ug/L	99
37) 1,2-Dichloropropane	6.788	63	55416	5.610	ug/L	99
38) Bromodichloromethane	7.103	83	65679	5.361	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	62074	4.361	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	299713	54.433	ug/L	99
42) Toluene	7.968	91	199992	5.087	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	53729	4.571	ug/L	100
45) 1,1,2-Trichloroethane	8.399	97	37666	5.651	ug/L	94
47) Tetrachloroethene	8.553	164	33304	4.720	ug/L	92
48) 2-Hexanone	8.682	43	215281	52.795	ug/L	99
49) Dibromochloromethane	8.807	129	39604	5.129	ug/L	85
50) 1,2-Dibromoethane	8.923	107	33692	5.251	ug/L	99
51) Chlorobenzene	9.444	112	131380	5.135	ug/L	97
52) Ethylbenzene	9.569	91	210205	4.741	ug/L	99
53) m,p-Xylene	9.692	106	78636	4.732	ug/L	96
54) o-Xylene	10.100	106	79060	4.963	ug/L	96
55) Styrene	10.113	104	130924	4.986	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	45253	5.488	ug/L	99
59) Bromoform	10.290	173	20276	5.270	ug/L	96
60) Isopropylbenzene	10.483	105	204101	4.909	ug/L	98
61) 1,2,3-Trichloropropane	10.820	75	32934	5.711	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	167359	4.690	ug/L	98
63) 1,2,4-Trimethylbenzene	11.466	105	156938	4.740	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	100706	5.205	ug/L	96
65) 1,4-Dichlorobenzene	11.836	146	99435	5.138	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	94532	5.361	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	5969	5.342	ug/L	92
69) 1,3,5-Trichlorobenzene	13.219	180	64773	5.022	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	50969	5.045	ug/L	98
71) Naphthalene	14.087	128	75021	4.936	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	43080	5.147	ug/L	98

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

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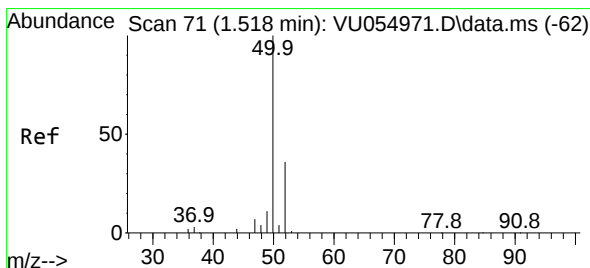
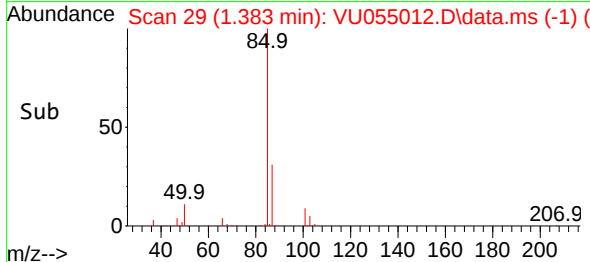
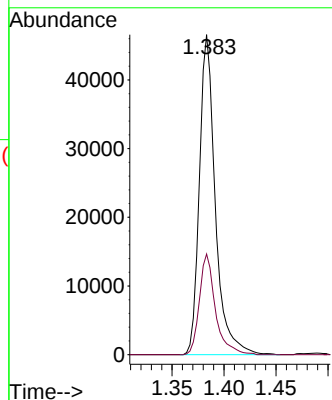
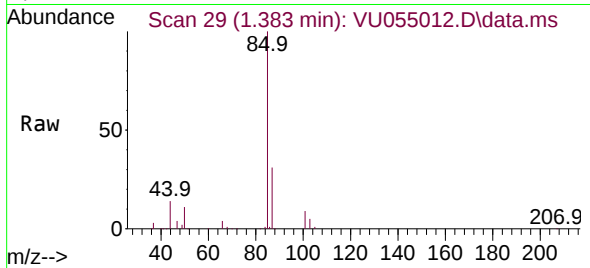




#2
 Dichlorodifluoromethane
 Concen: 4.888 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055012.D
 Acq: 31 Aug 2023 09:06

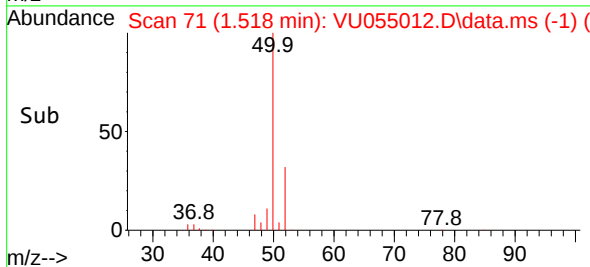
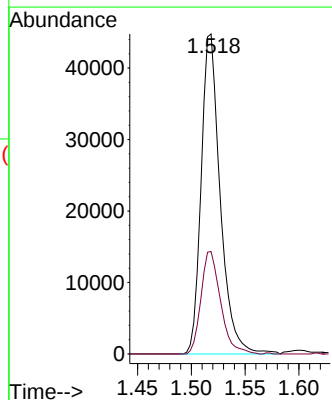
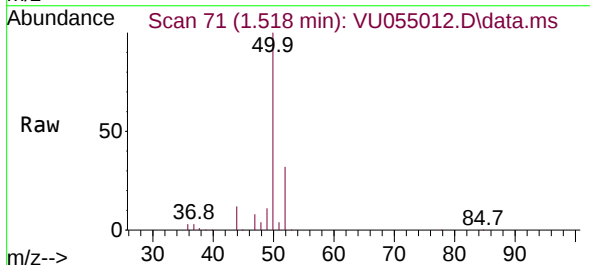
Instrument :
 MSVOA_U
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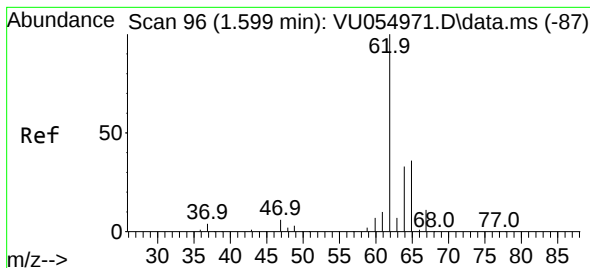
Tgt Ion: 85 Resp: 49684
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.4 38.0



#3
 Chloromethane
 Concen: 5.202 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU055012.D
 Acq: 31 Aug 2023 09:06

Tgt Ion: 50 Resp: 55169
 Ion Ratio Lower Upper
 50 100
 52 32.0 23.4 43.6





#5

Vinyl chloride

Concen: 5.310 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

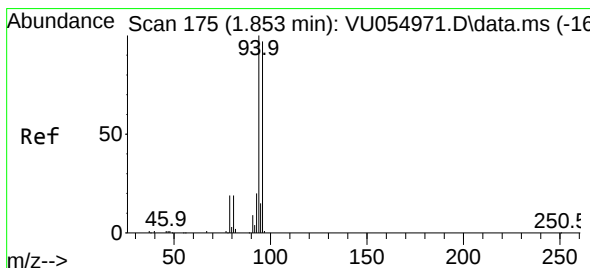
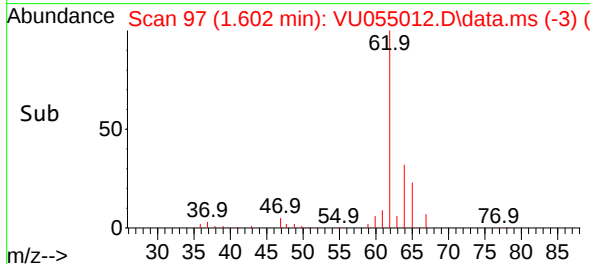
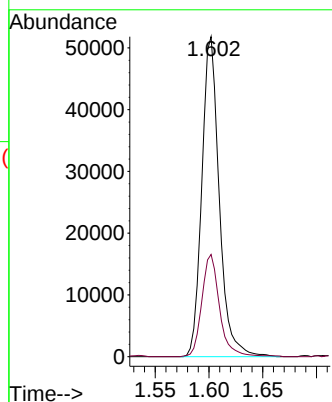
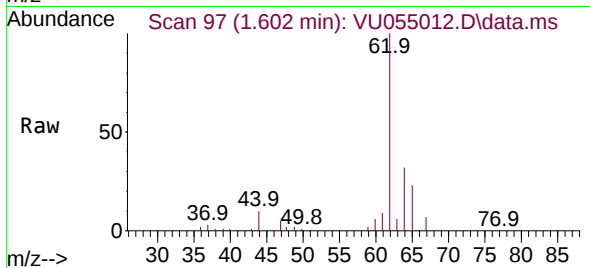
ClientSampleId :

Tgt Ion: 62 Resp: 58463

Ion Ratio Lower Upper

62 100

64 32.0 22.7 42.1



#6

Bromomethane

Concen: 4.467 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.003 min

Lab File: VU055012.D

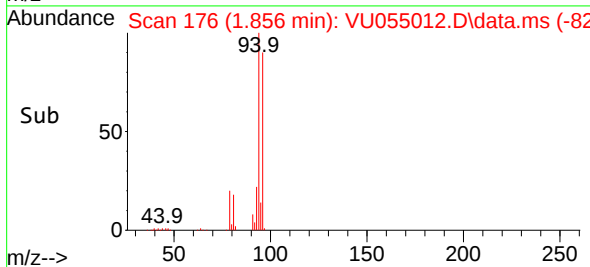
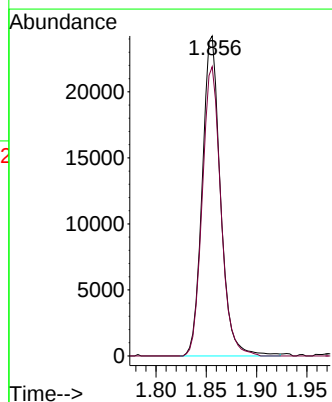
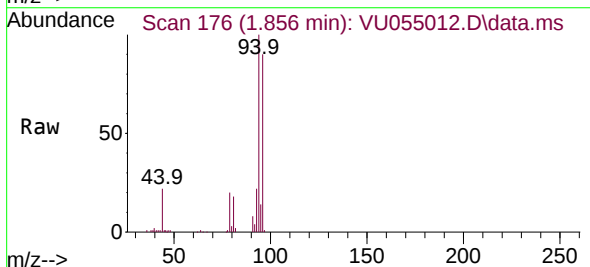
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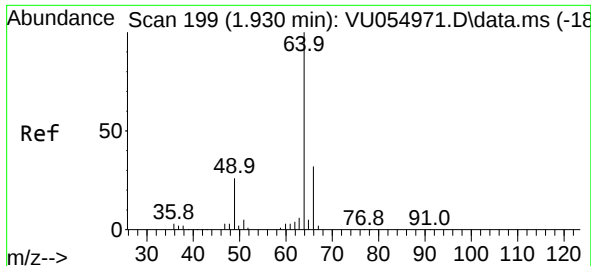
Tgt Ion: 94 Resp: 30687

Ion Ratio Lower Upper

94 100

96 90.4 65.5 121.7

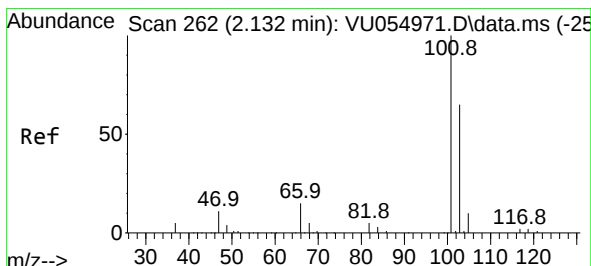
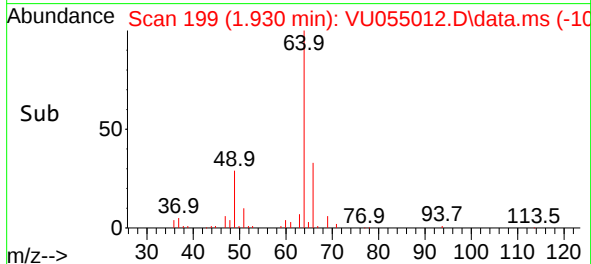
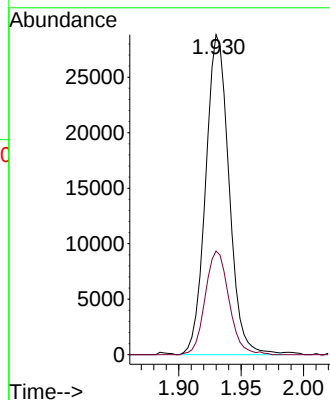
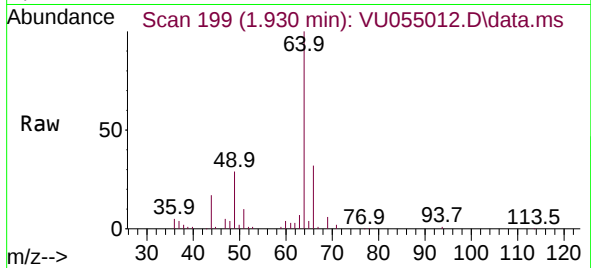




#8
Chloroethane
Concen: 5.197 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

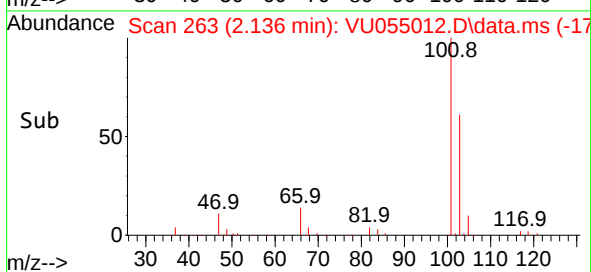
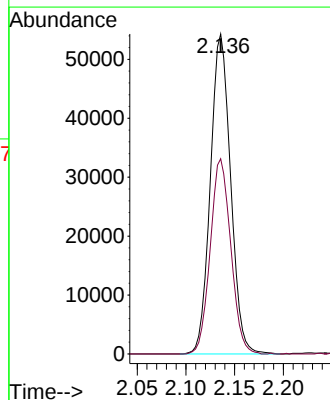
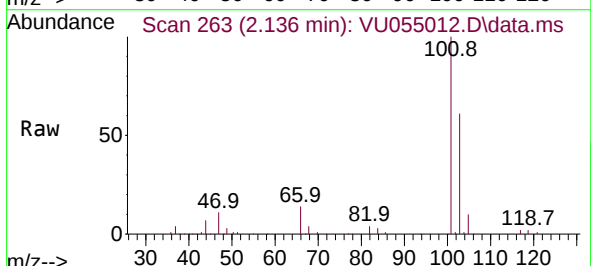
Instrument :
MSVOA_U
ClientSampleId :

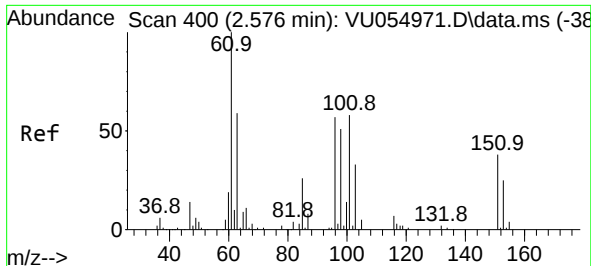
Tgt Ion: 64 Resp: 37627
Ion Ratio Lower Upper
64 100
66 32.4 21.5 39.9



#9
Trichlorofluoromethane
Concen: 5.009 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

Tgt Ion:101 Resp: 78477
Ion Ratio Lower Upper
101 100
103 61.9 51.0 76.4

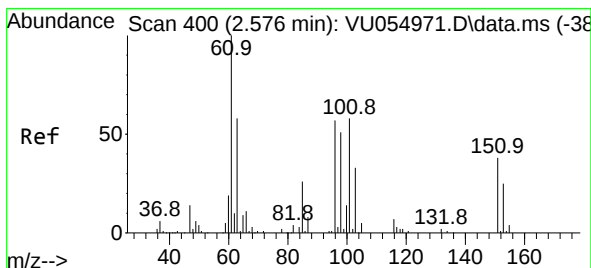
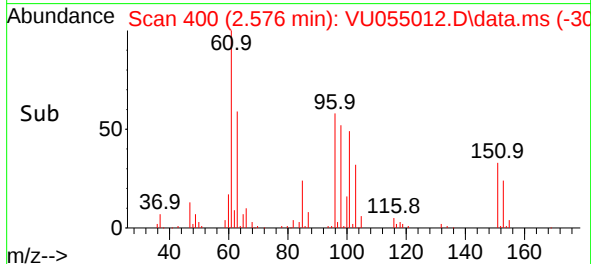
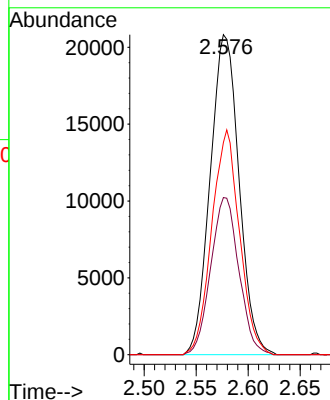
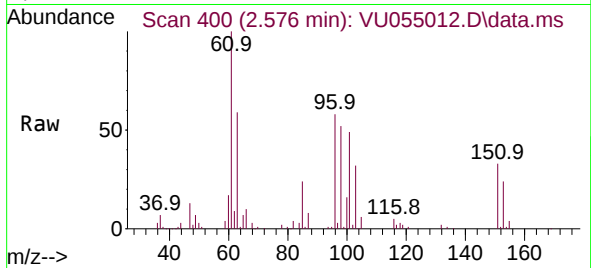




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.724 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055012.D
 Acq: 31 Aug 2023 09:06

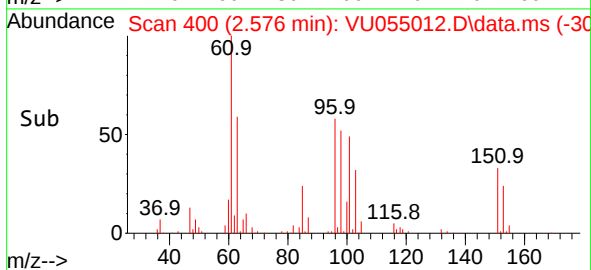
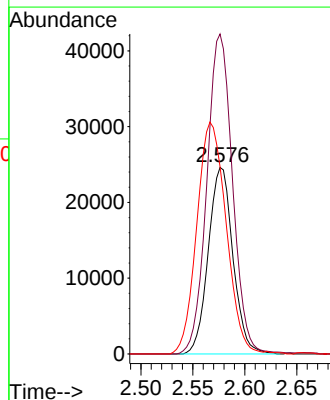
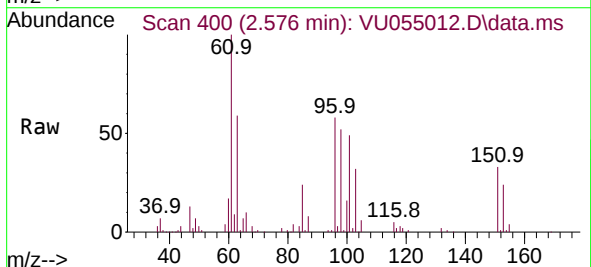
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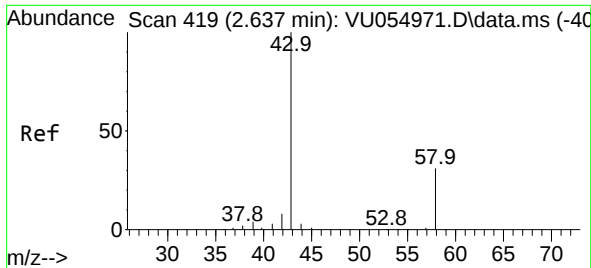
Tgt Ion:101 Resp: 40205
 Ion Ratio Lower Upper
 101 100
 85 47.8 38.3 57.5
 151 67.6 51.5 77.3



#12
 1,1-Dichloroethene
 Concen: 5.482 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055012.D
 Acq: 31 Aug 2023 09:06

Tgt Ion: 96 Resp: 40607
 Ion Ratio Lower Upper
 96 100
 61 171.5 132.4 245.8
 63 100.4 82.5 153.1





#13

Acetone

Concen: 50.495 ug/L

RT: 2.637 min Scan# 419

Delta R.T. 0.003 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

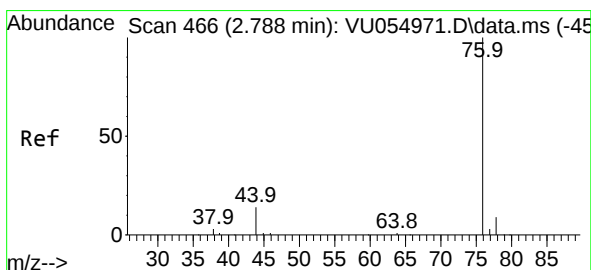
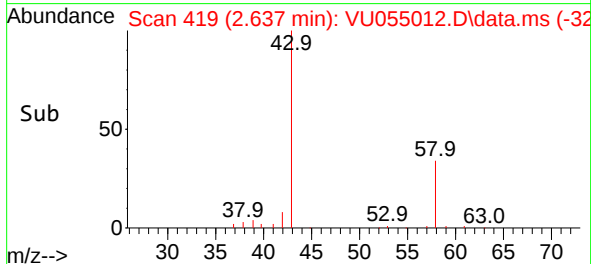
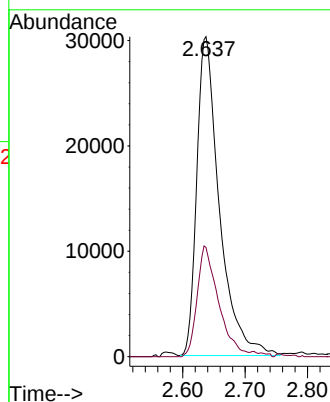
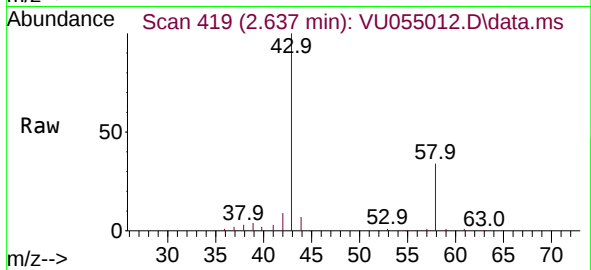
ClientSampleId :

Tgt Ion: 43 Resp: 76277

Ion Ratio Lower Upper

43 100

58 32.6 0.0 64.4



#14

Carbon disulfide

Concen: 4.783 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU055012.D

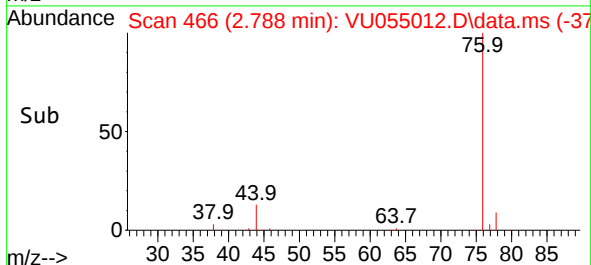
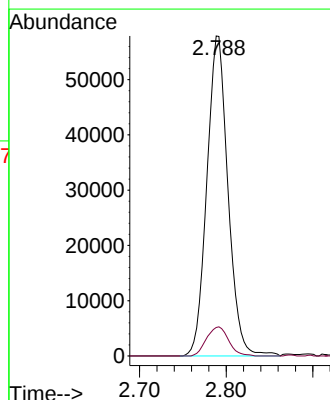
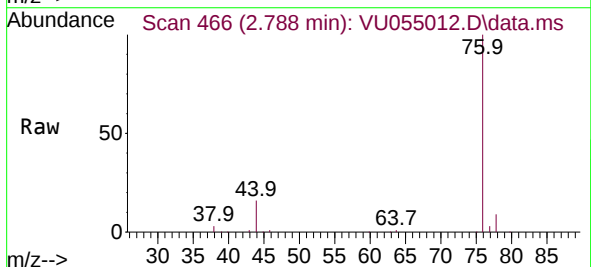
Acq: 31 Aug 2023 09:06

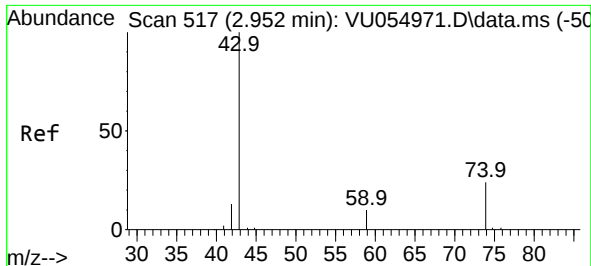
Tgt Ion: 76 Resp: 98113

Ion Ratio Lower Upper

76 100

78 8.9 8.2 12.2

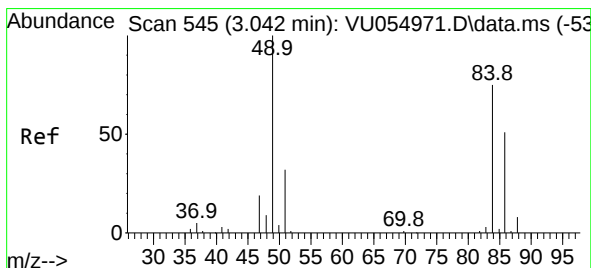
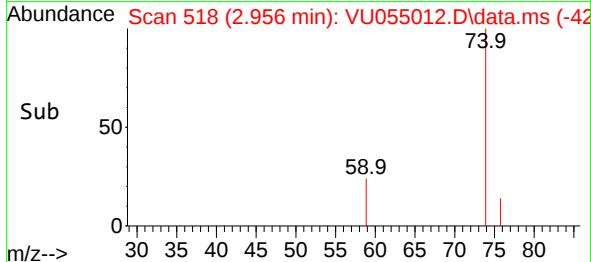
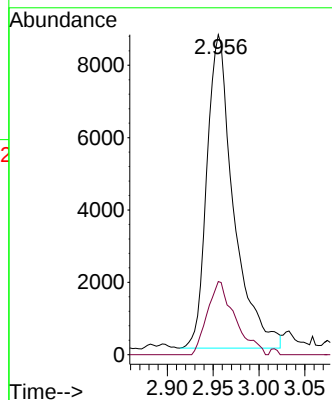
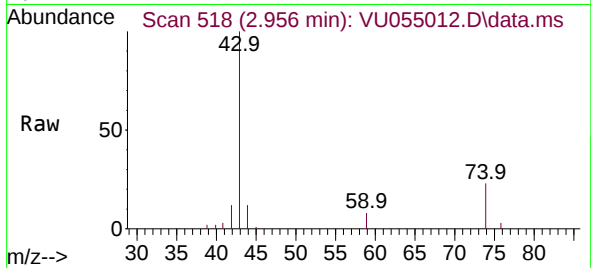




#15
Methyl Acetate
Concen: 5.675 ug/L
RT: 2.956 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

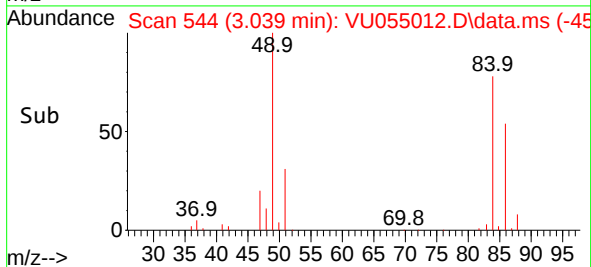
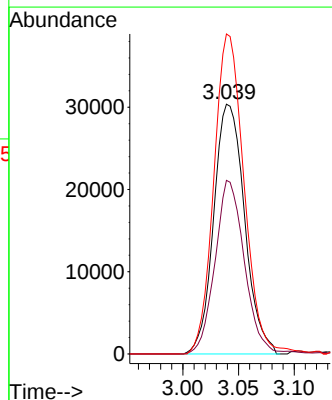
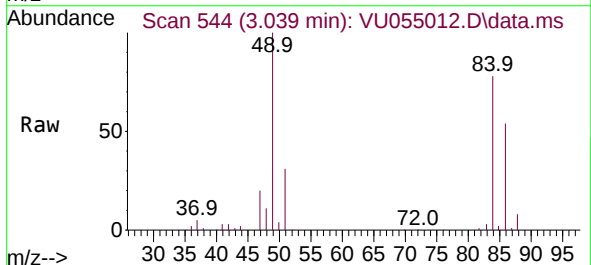
Instrument :
MSVOA_U
ClientSampleId :

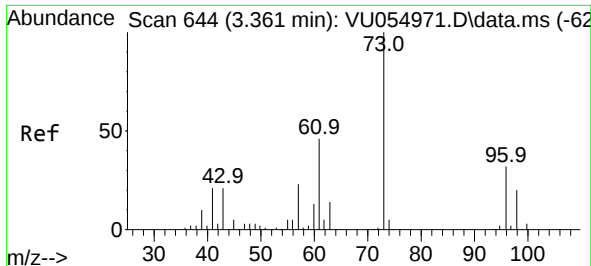
Tgt Ion: 43 Resp: 17548
Ion Ratio Lower Upper
43 100
74 24.2 19.5 29.3



#16
Methylene chloride
Concen: 5.144 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

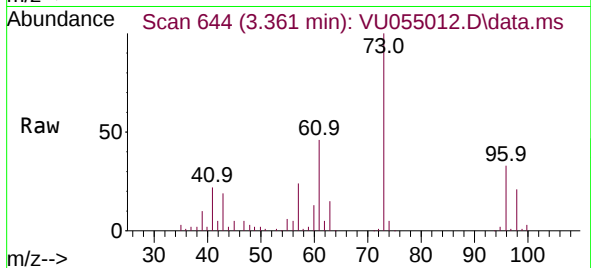
Tgt Ion: 84 Resp: 58528
Ion Ratio Lower Upper
84 100
86 69.5 45.1 83.7
49 128.1 89.5 166.3



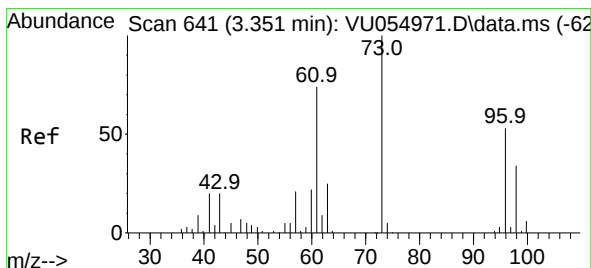
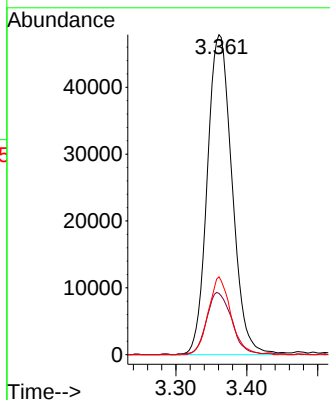
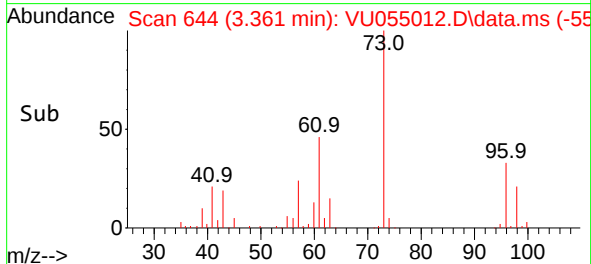


#17
Methyl tert-butyl Ether
Concen: 5.386 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

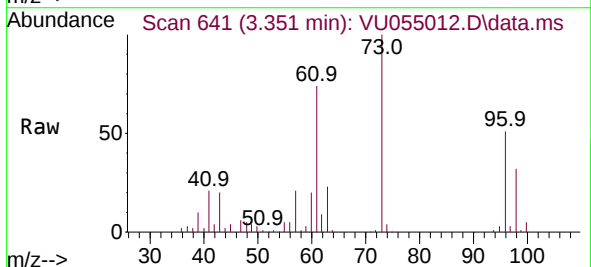
Instrument :
MSVOA_U
ClientSampleId :



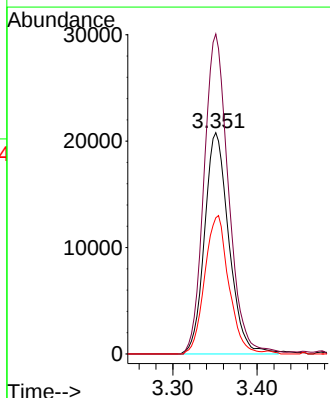
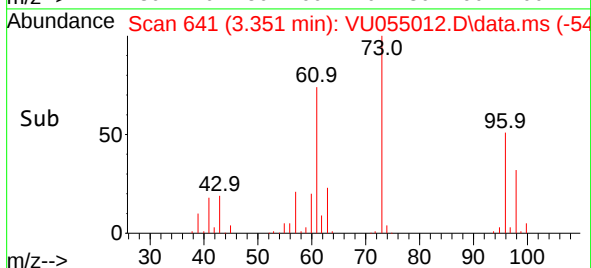
Tgt Ion: 73 Resp: 116097
Ion Ratio Lower Upper
73 100
43 19.8 16.2 24.2
57 22.2 17.4 26.0

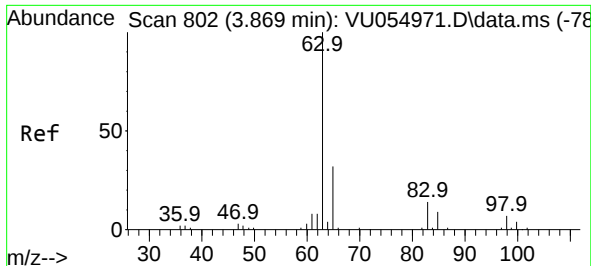


#18
trans-1,2-Dichloroethene
Concen: 5.159 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06



Tgt Ion: 96 Resp: 41761
Ion Ratio Lower Upper
96 100
61 144.6 108.8 202.0
98 61.6 45.8 85.2





#19

1,1-Dichloroethane

Concen: 5.410 ug/L

RT: 3.865 min Scan# 80

Delta R.T. -0.000 min

Lab File: VU055012.D

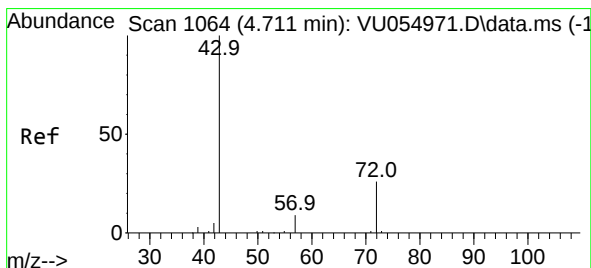
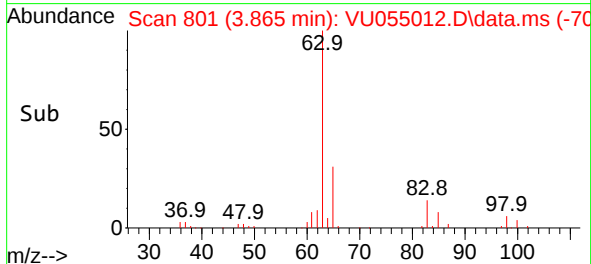
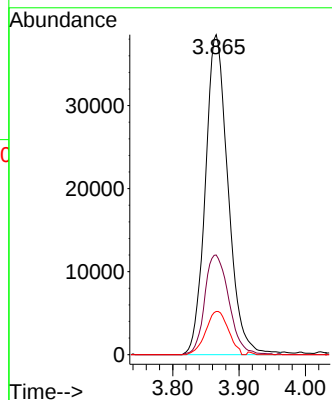
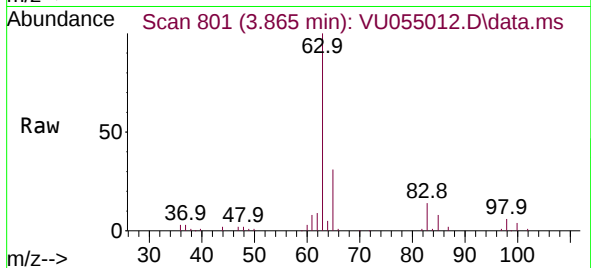
Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 91855
Ion Ratio	Lower Upper
63 100	
65 31.2	22.5 41.7
83 13.5	9.5 17.7



#21

2-Butanone

Concen: 52.819 ug/L

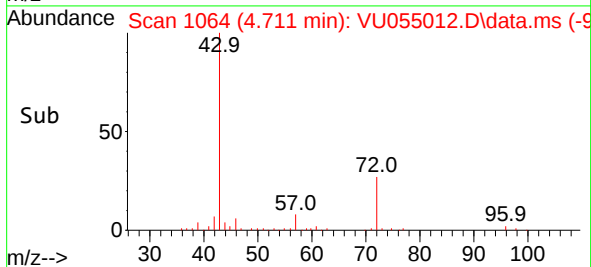
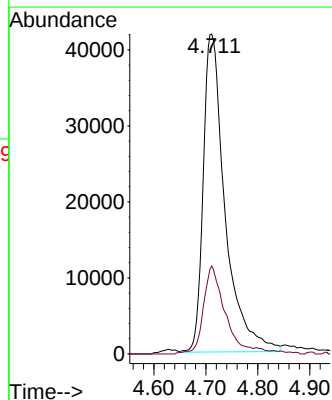
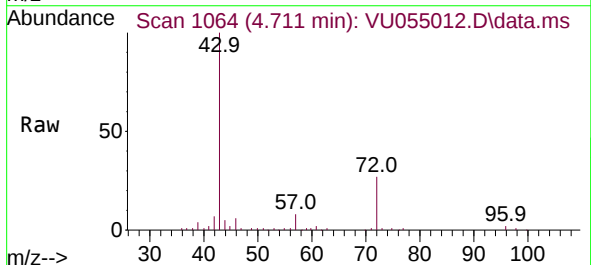
RT: 4.711 min Scan# 1064

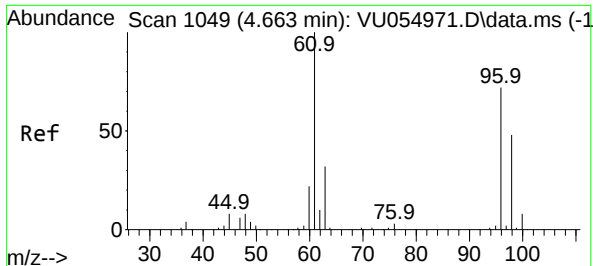
Delta R.T. 0.003 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

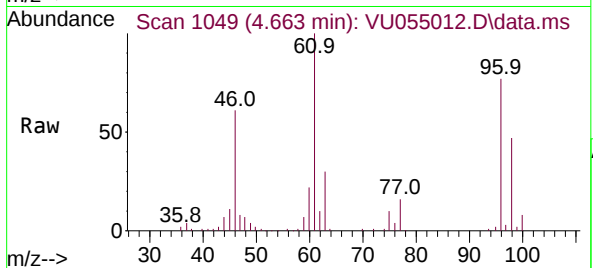
Tgt Ion: 43	Resp: 122259
Ion Ratio	Lower Upper
43 100	
72 26.8	14.1 42.3



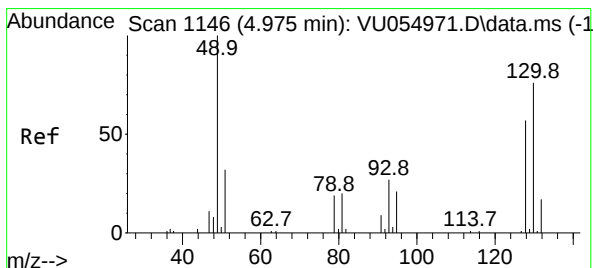
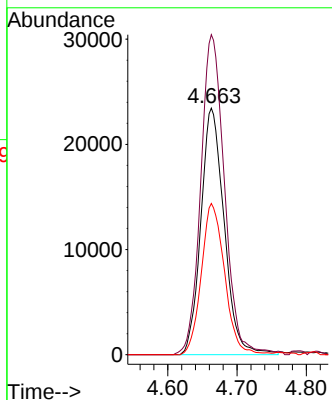
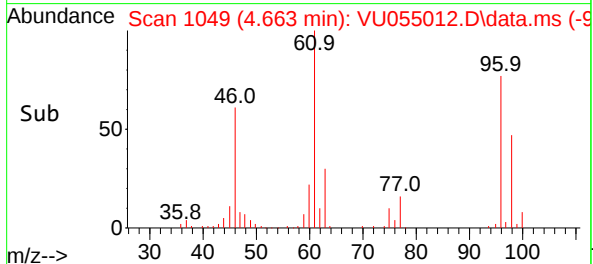


#22
 cis-1,2-Dichloroethene
 Concen: 5.681 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.004 min
 Lab File: VU055012.D
 Acq: 31 Aug 2023 09:06

Instrument :
 MSVOA_U
 ClientSampleId :

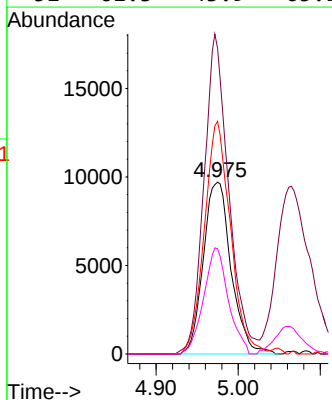
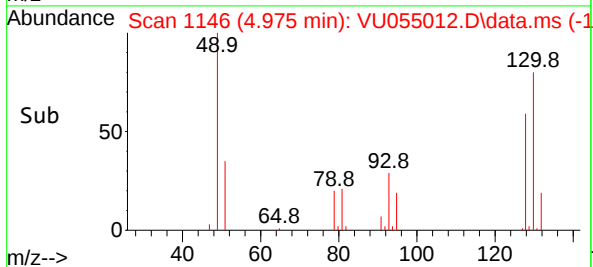
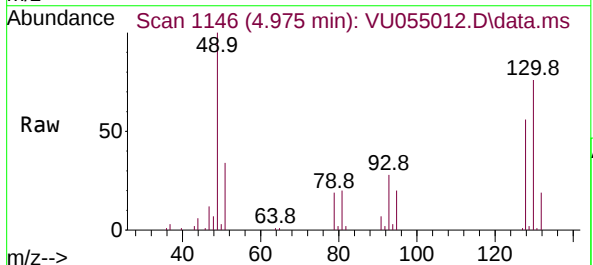


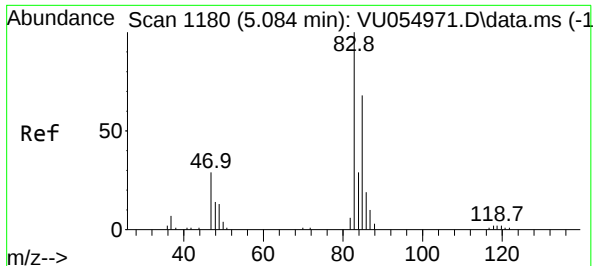
Tgt Ion: 96 Resp: 54826
 Ion Ratio Lower Upper
 96 100
 61 129.8 88.4 164.2
 98 61.3 44.0 81.6



#23
 Bromochloromethane
 Concen: 5.459 ug/L
 RT: 4.975 min Scan# 1146
 Delta R.T. -0.000 min
 Lab File: VU055012.D
 Acq: 31 Aug 2023 09:06

Tgt Ion: 128 Resp: 22794
 Ion Ratio Lower Upper
 128 100
 49 177.9 113.8 211.3
 130 135.3 83.9 155.7
 51 61.3 43.9 65.9





#25

Chloroform

Concen: 5.353 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.004 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

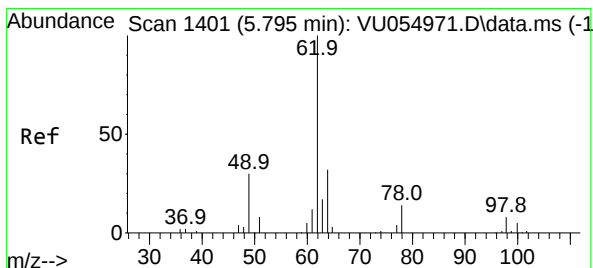
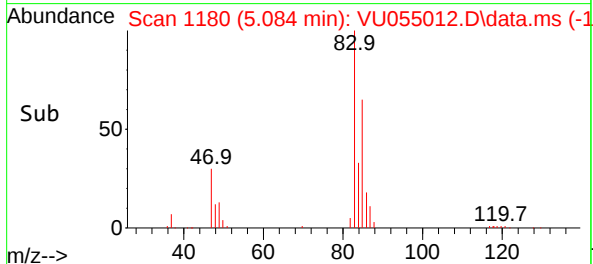
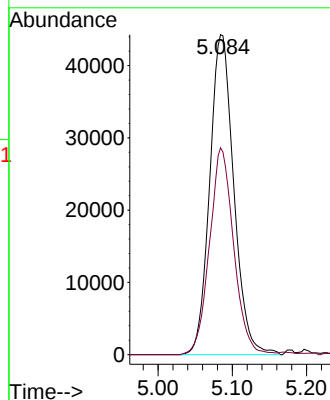
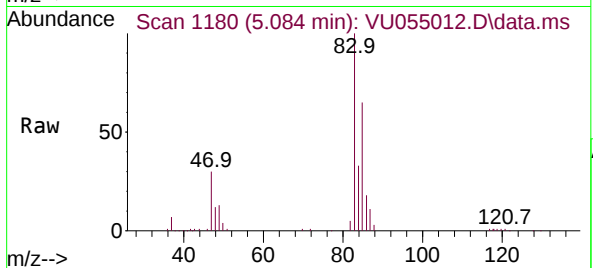
ClientSampleId :

Tgt Ion: 83 Resp: 99696

Ion Ratio Lower Upper

83 100

85 64.6 46.7 86.7



#27

1,2-Dichloroethane

Concen: 5.317 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.003 min

Lab File: VU055012.D

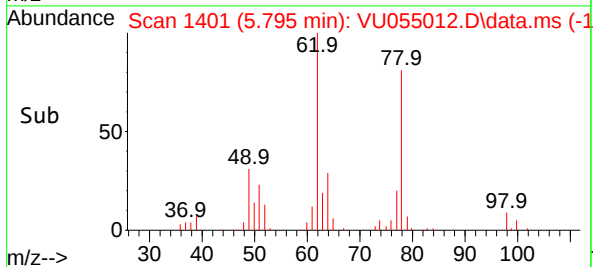
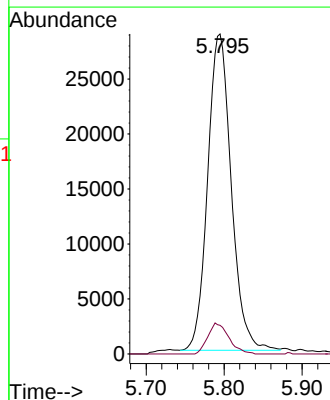
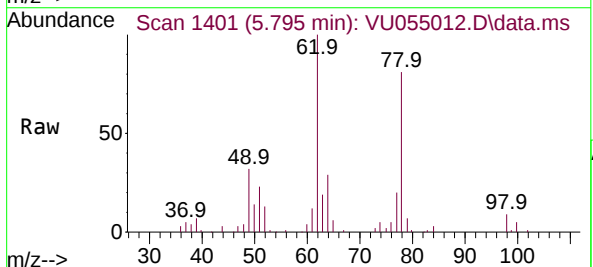
Acq: 31 Aug 2023 09:06

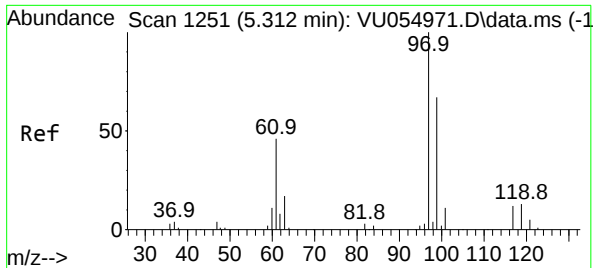
Tgt Ion: 62 Resp: 60500

Ion Ratio Lower Upper

62 100

98 9.0 7.0 10.6

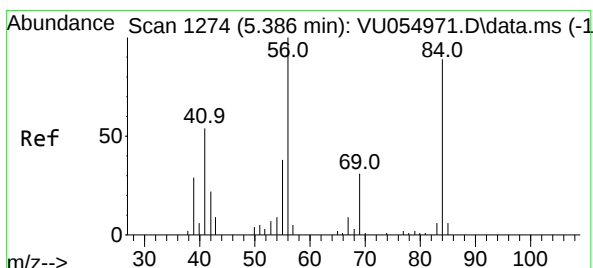
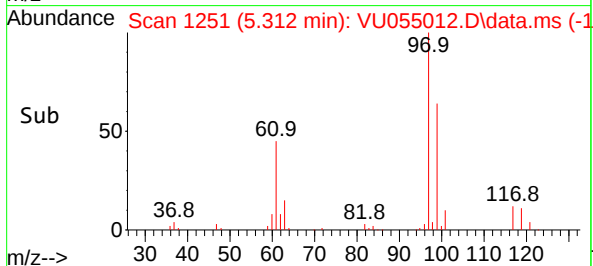
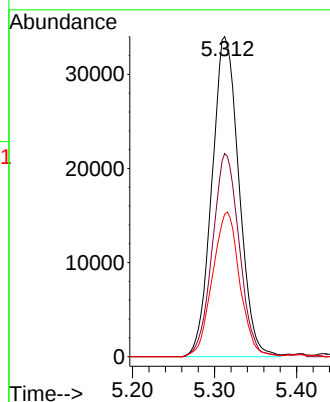
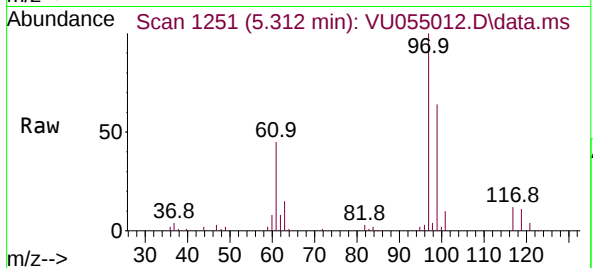




#29
1,1,1-Trichloroethane
Concen: 5.228 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

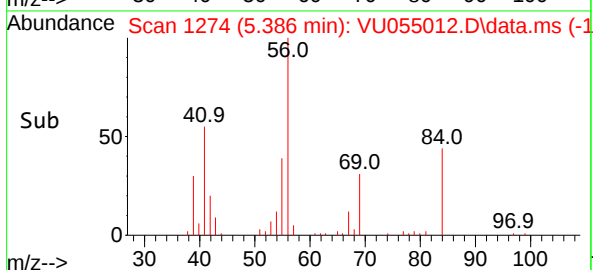
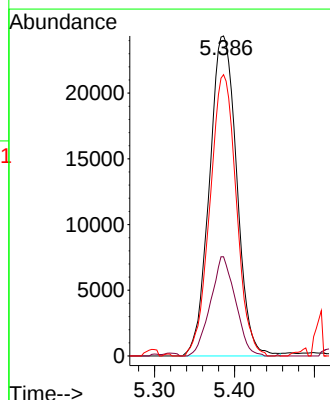
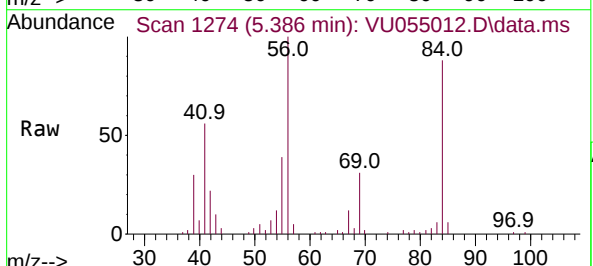
Instrument :
MSVOA_U
ClientSampleId :

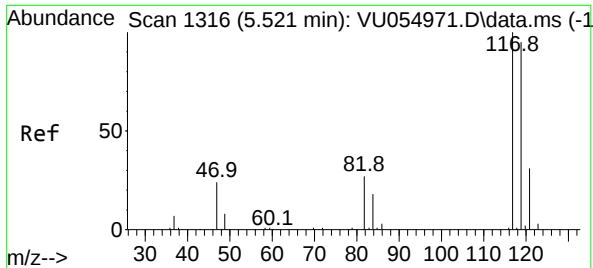
Tgt Ion: 97	Resp: 78044
Ion Ratio	Lower Upper
97 100	
99 63.1	51.5 77.3
61 45.5	37.2 55.8



#30
Cyclohexane
Concen: 4.363 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

Tgt Ion: 56	Resp: 57745
Ion Ratio	Lower Upper
56 100	
69 28.4	24.5 36.7
84 84.7	71.3 106.9

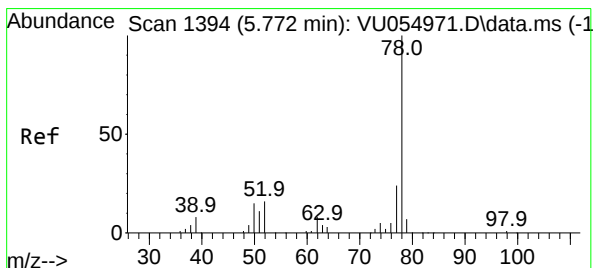
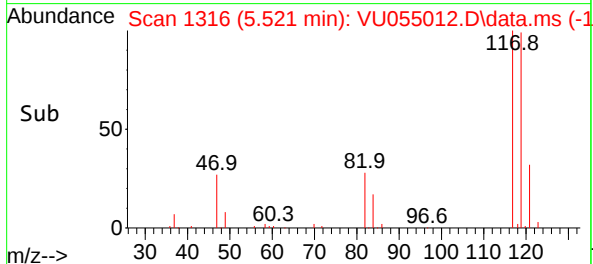
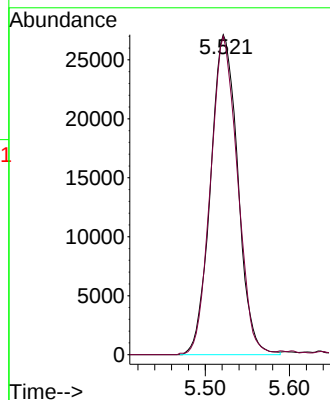
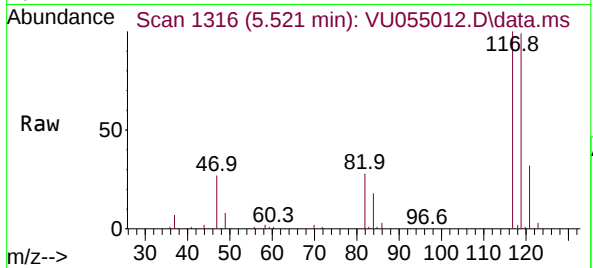




#31
Carbon tetrachloride
Concen: 4.794 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

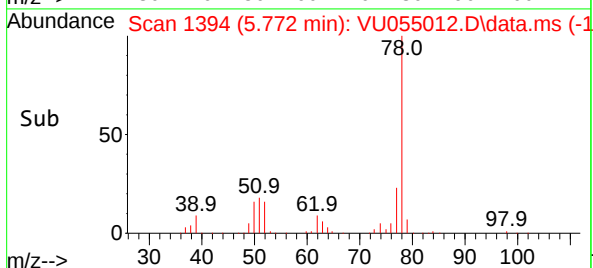
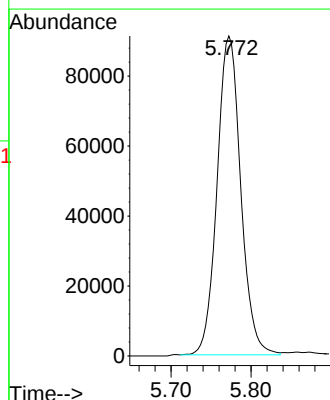
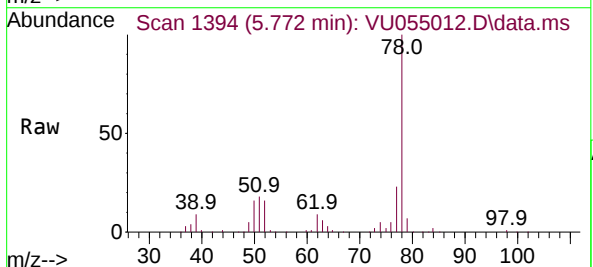
Instrument :
MSVOA_U
ClientSampleId :

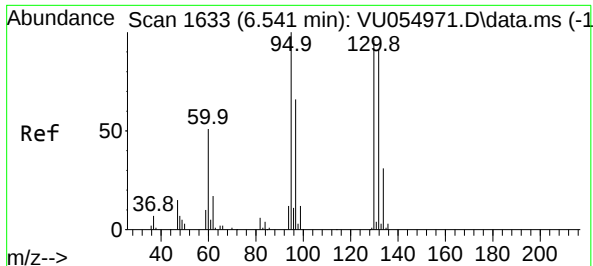
Tgt Ion:117 Resp: 60888
Ion Ratio Lower Upper
117 100
119 98.1 76.6 115.0



#33
Benzene
Concen: 5.286 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

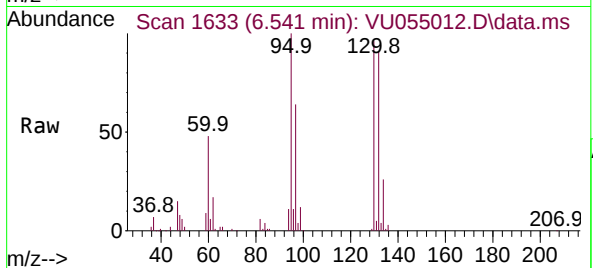
Tgt Ion: 78 Resp: 187259



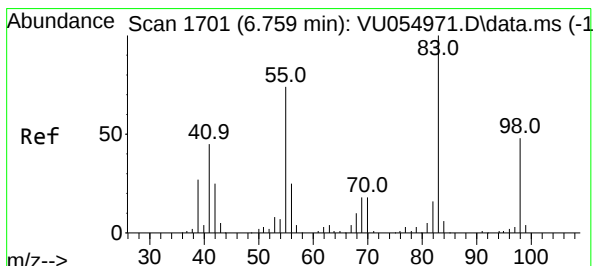
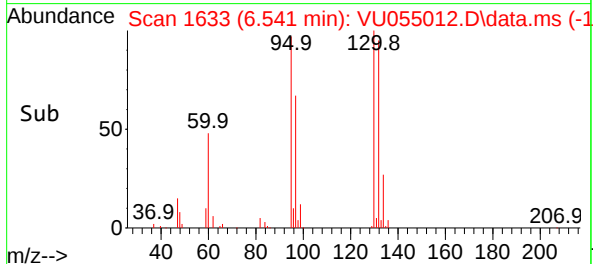
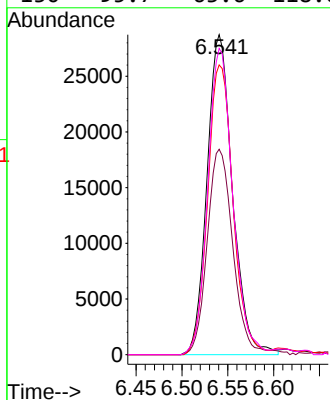


#34
Trichloroethene
Concen: 5.666 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

Instrument :
MSVOA_U
ClientSampleId :

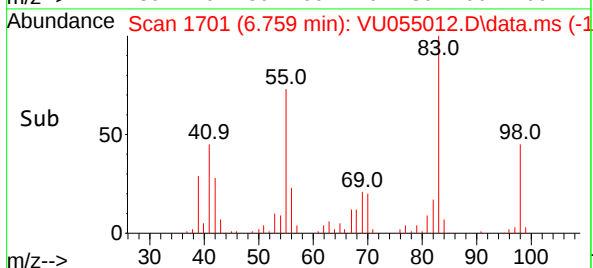
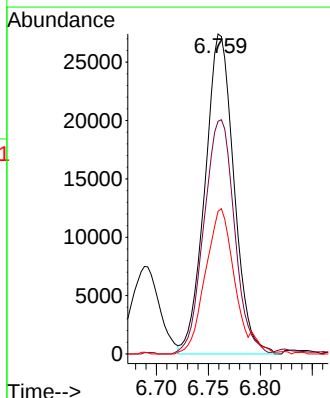
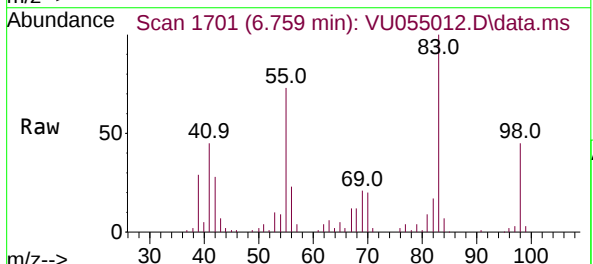


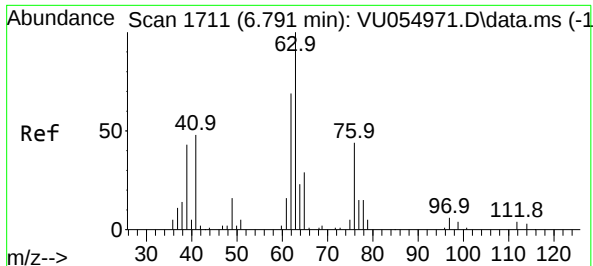
Tgt Ion:	95	Resp:	55628
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.1	81.9
132	90.5	63.6	118.2
130	95.7	63.6	118.0



#35
Methylcyclohexane
Concen: 3.668 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.004 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

Tgt Ion:	83	Resp:	53284
Ion	Ratio	Lower	Upper
83	100		
55	76.9	62.1	93.1
98	46.3	37.8	56.6





#37

1,2-Dichloropropane

Concen: 5.610 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

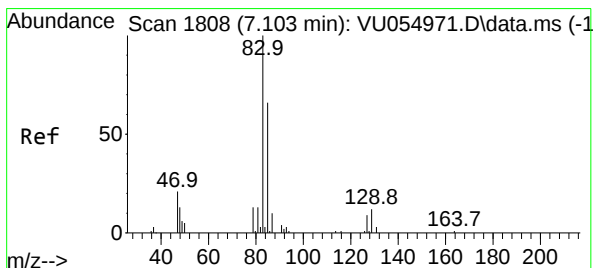
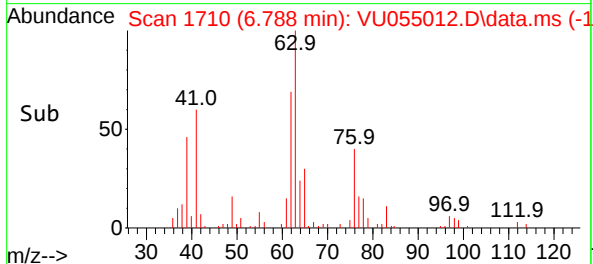
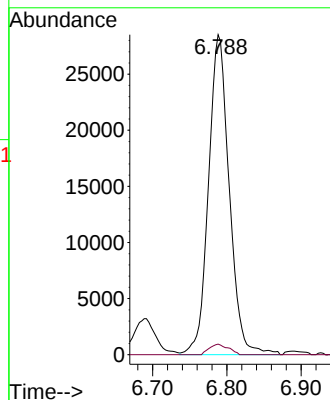
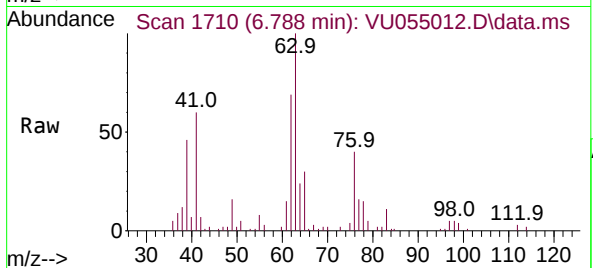
ClientSampleId :

Tgt Ion: 63 Resp: 55416

Ion Ratio Lower Upper

63 100

112 3.0 2.7 4.1



#38

Bromodichloromethane

Concen: 5.361 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

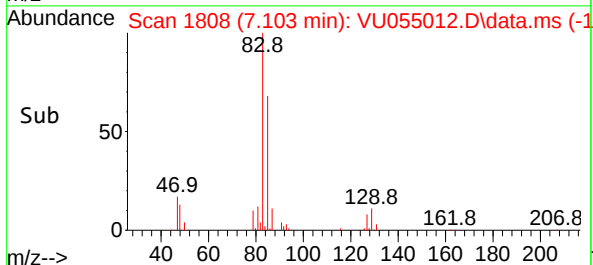
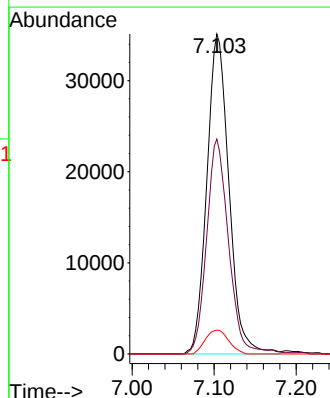
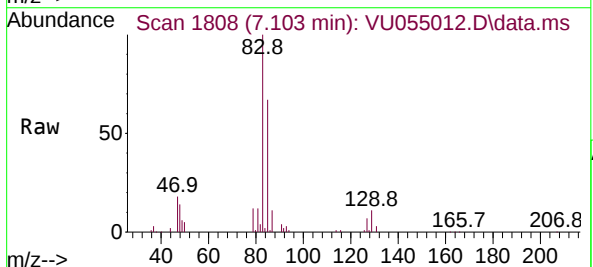
Tgt Ion: 83 Resp: 65679

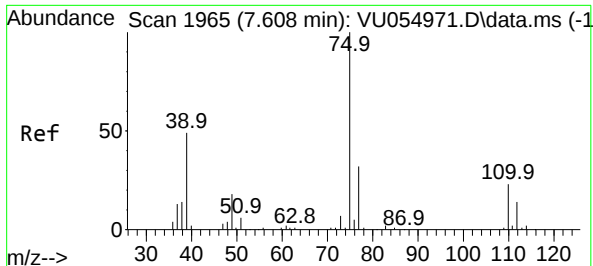
Ion Ratio Lower Upper

83 100

85 67.2 45.1 83.7

127 7.4 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 4.361 ug/L

RT: 7.605 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

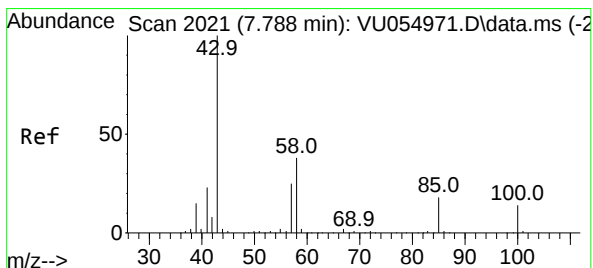
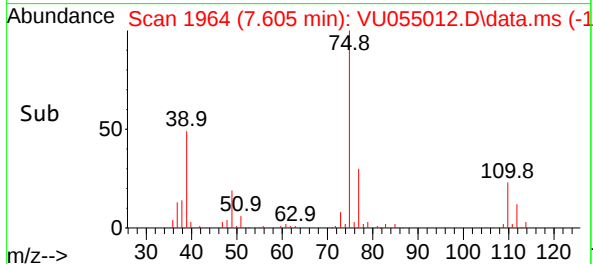
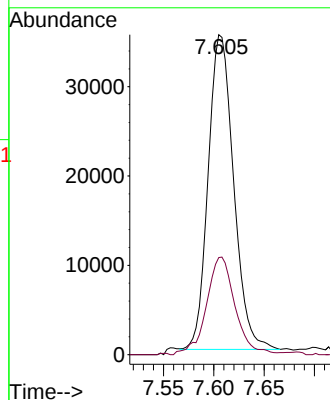
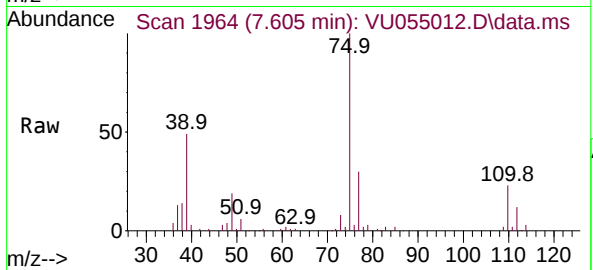
ClientSampleId :

Tgt Ion: 75 Resp: 62074

Ion Ratio Lower Upper

75 100

77 30.3 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 54.433 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

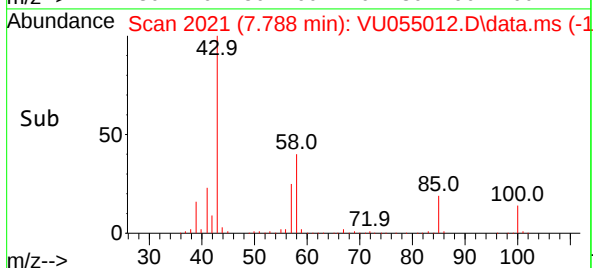
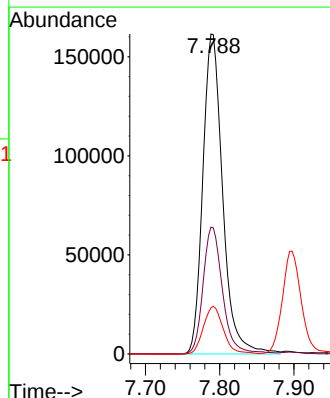
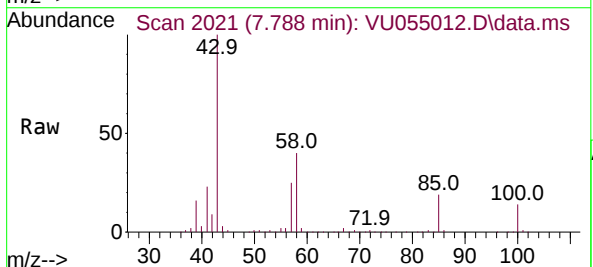
Tgt Ion: 43 Resp: 299713

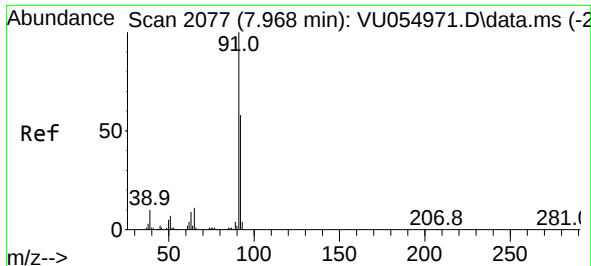
Ion Ratio Lower Upper

43 100

58 39.0 32.1 48.1

100 14.9 11.8 17.6





#42

Toluene

Concen: 5.087 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

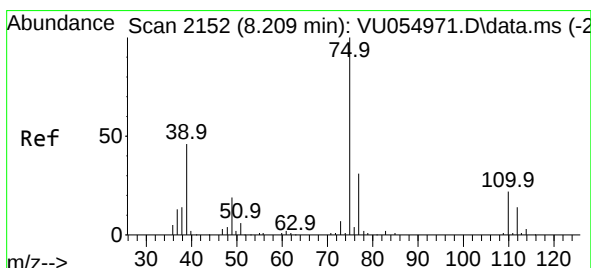
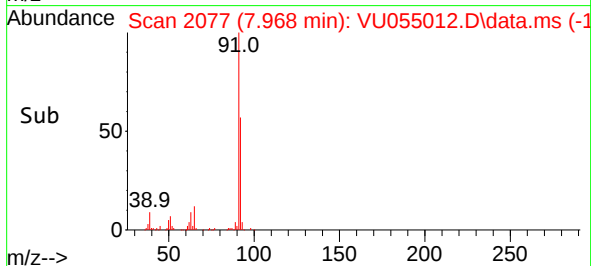
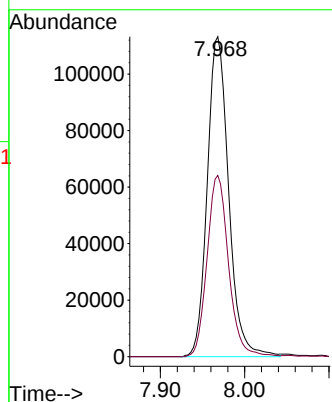
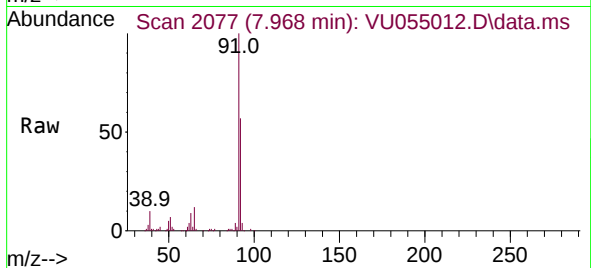
ClientSampleId :

Tgt Ion: 91 Resp: 199992

Ion Ratio Lower Upper

91 100

92 56.7 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 4.571 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. -0.000 min

Lab File: VU055012.D

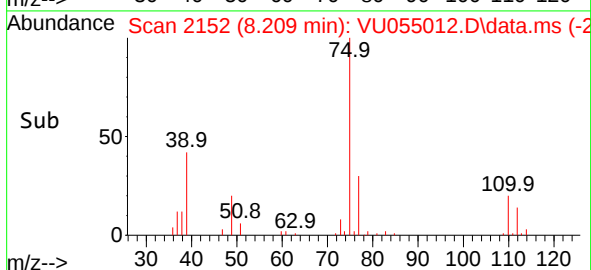
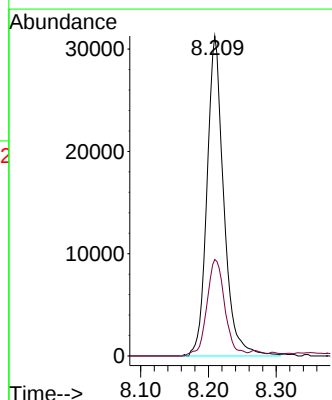
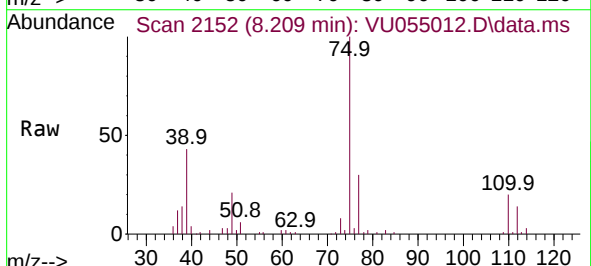
Acq: 31 Aug 2023 09:06

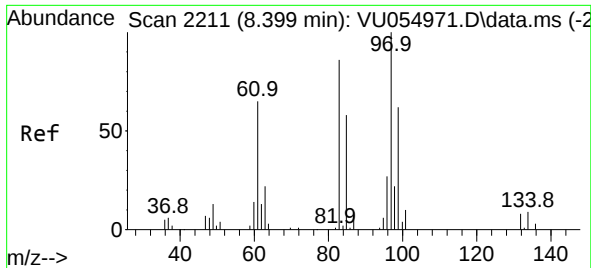
Tgt Ion: 75 Resp: 53729

Ion Ratio Lower Upper

75 100

77 30.2 21.3 39.5

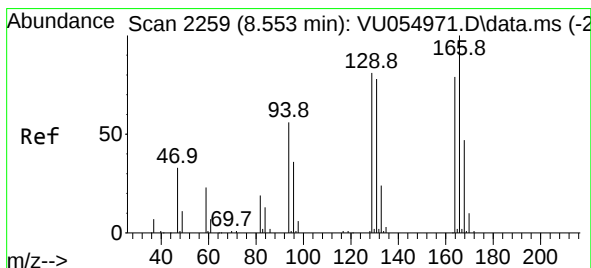
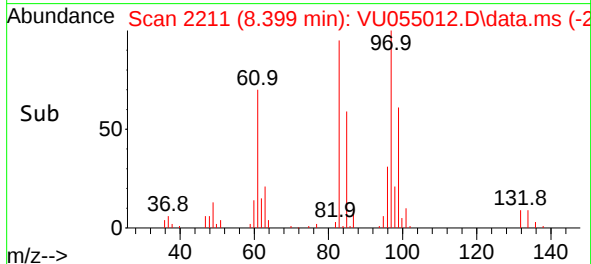
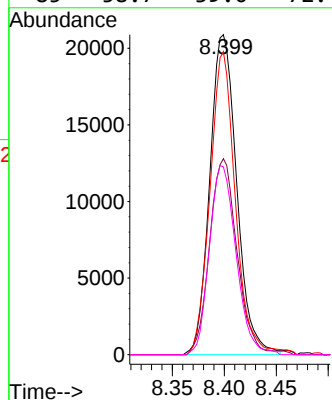
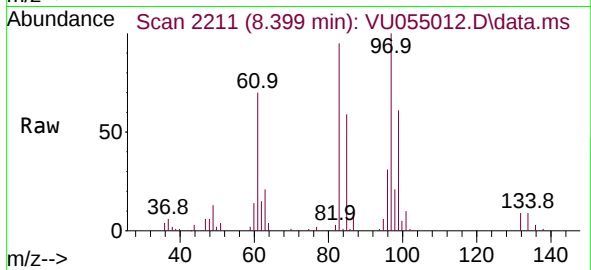




#45
1,1,2-Trichloroethane
Concen: 5.651 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

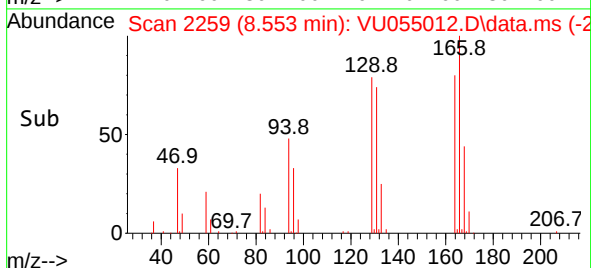
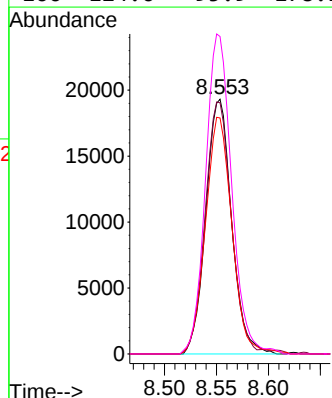
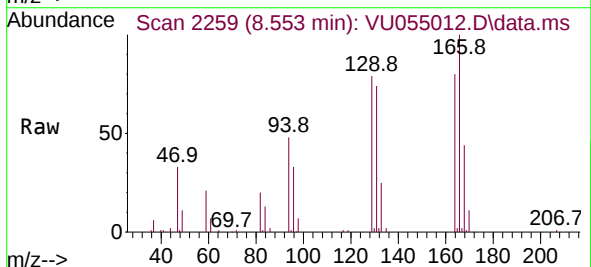
Instrument :
MSVOA_U
ClientSampleId :

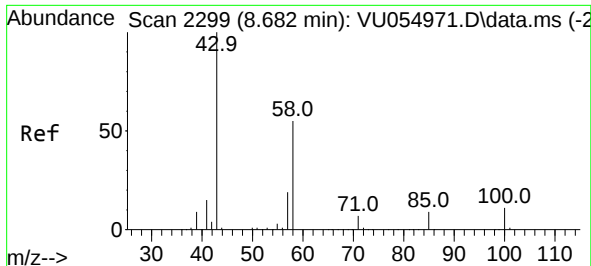
Tgt Ion:	97	Resp:	37666
Ion	Ratio	Lower	Upper
97	100		
99	61.3	41.5	77.1
83	94.7	59.8	111.1
85	58.7	39.0	72.4



#47
Tetrachloroethene
Concen: 4.720 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

Tgt Ion:	164	Resp:	33304
Ion	Ratio	Lower	Upper
164	100		
129	98.6	72.8	135.2
131	92.7	70.7	131.3
166	124.6	95.9	178.1



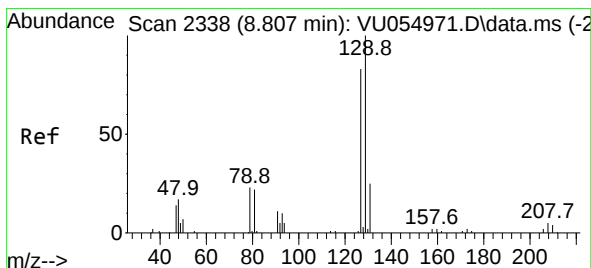
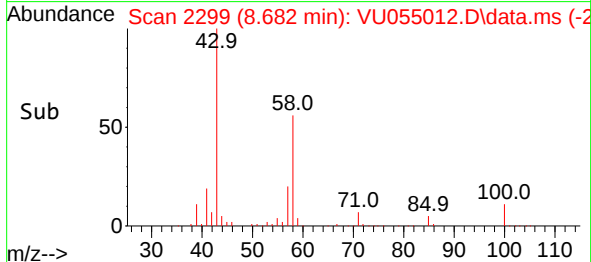
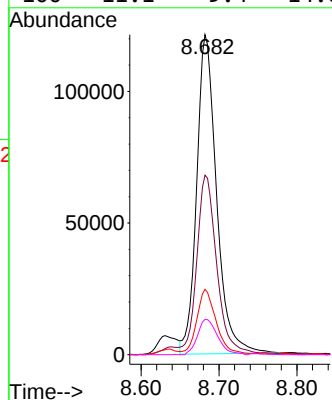
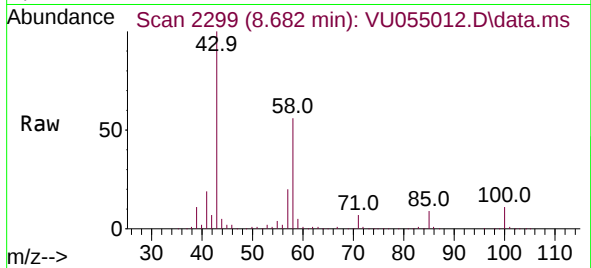


#48
2-Hexanone
Concen: 52.795 ug/L
RT: 8.682 min Scan# 215281
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 215281

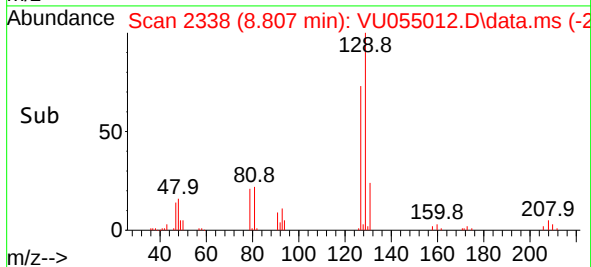
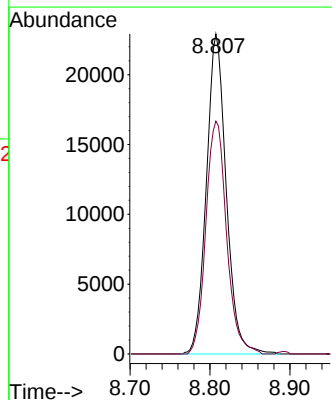
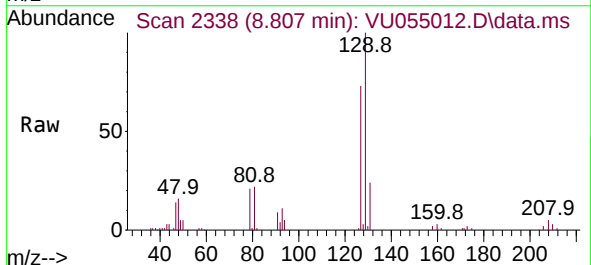
Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.0	66.0
57	19.3	15.9	23.9
100	11.1	9.4	14.0

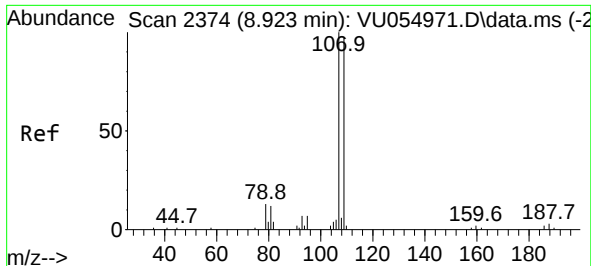


#49
Dibromochloromethane
Concen: 5.129 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

Tgt Ion: 129 Resp: 39604

Ion	Ratio	Lower	Upper
129	100		
127	72.7	60.5	112.5





#50

1,2-Dibromoethane

Concen: 5.251 ug/L

RT: 8.923 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055012.D

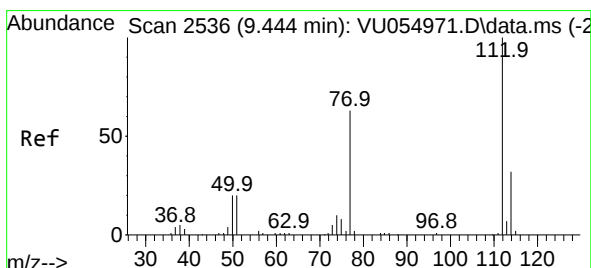
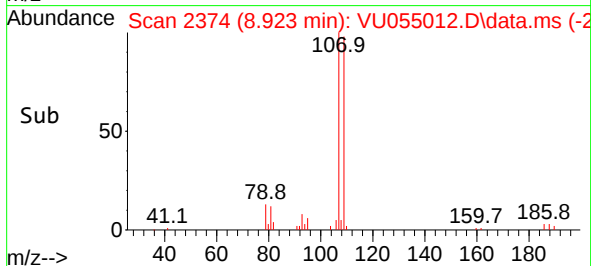
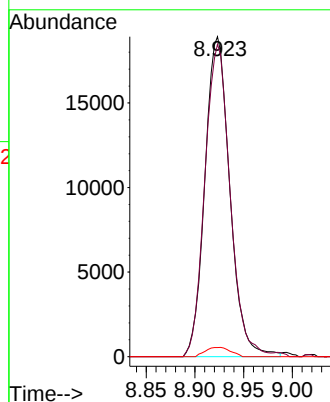
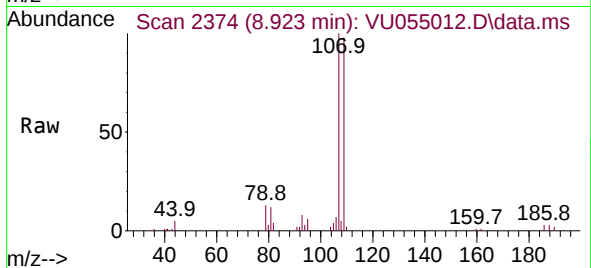
Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	33692
Ion	Ratio	Lower	Upper
107	100		
109	97.7	67.8	125.8
188	2.8	2.5	3.7



#51

Chlorobenzene

Concen: 5.135 ug/L

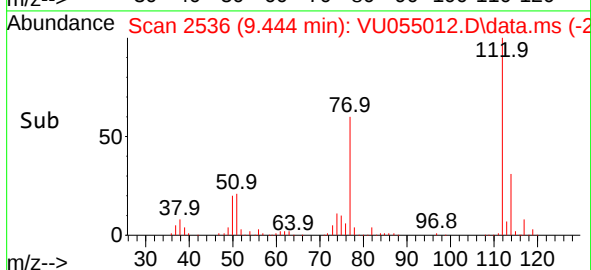
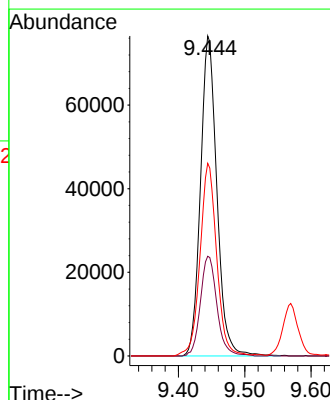
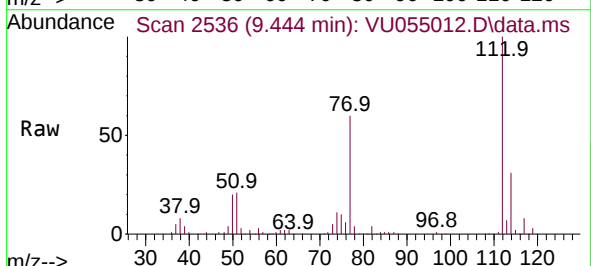
RT: 9.444 min Scan# 2536

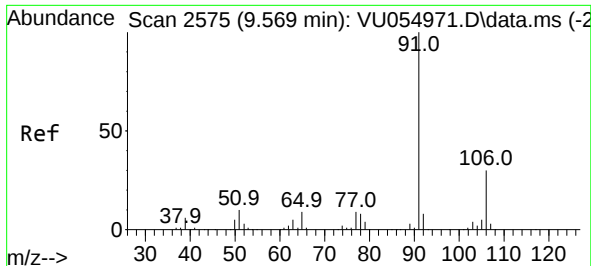
Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Tgt Ion:	112	Resp:	131380
Ion	Ratio	Lower	Upper
112	100		
114	31.1	23.4	43.4
77	60.2	49.3	73.9





#52

Ethylbenzene

Concen: 4.741 ug/L

RT: 9.569 min Scan# 210205

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

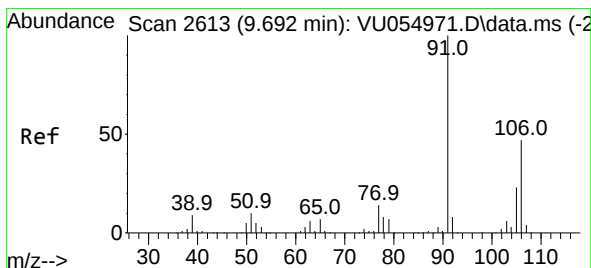
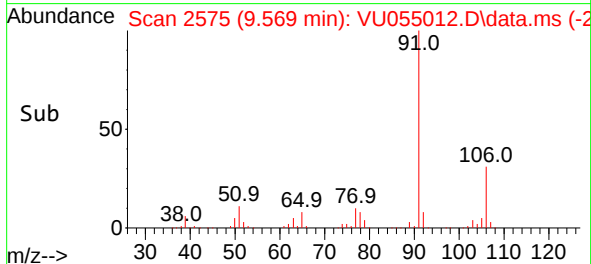
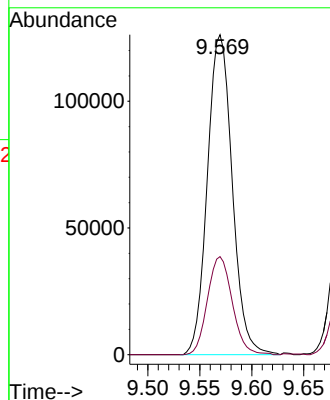
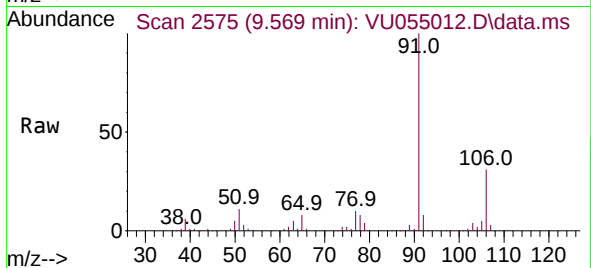
ClientSampleId :

Tgt Ion: 91 Resp: 210205

Ion Ratio Lower Upper

91 100

106 30.6 21.2 39.4



#53

m,p-Xylene

Concen: 4.732 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. -0.000 min

Lab File: VU055012.D

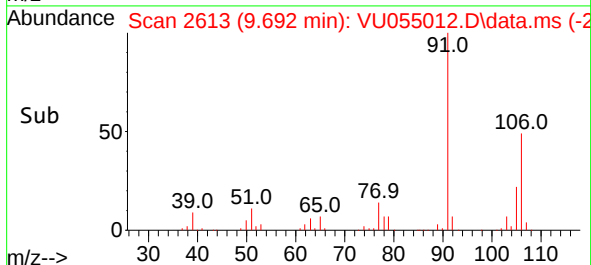
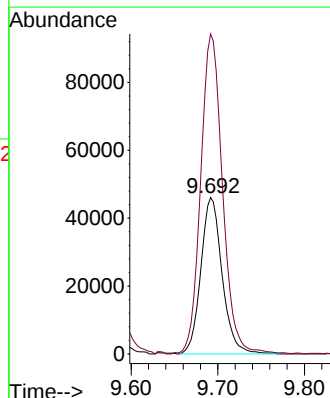
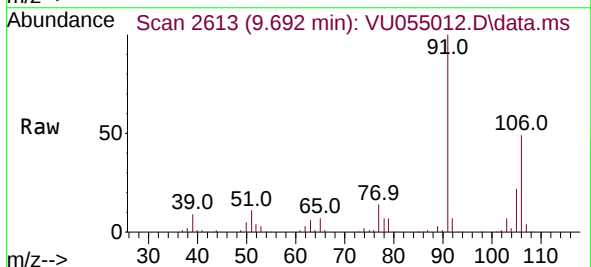
Acq: 31 Aug 2023 09:06

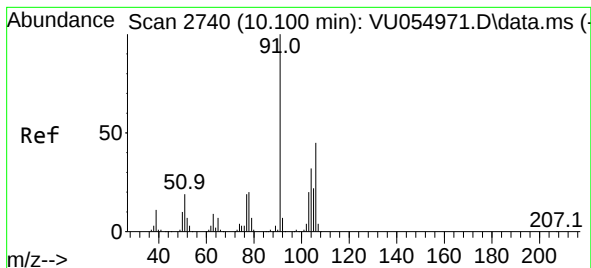
Tgt Ion:106 Resp: 78636

Ion Ratio Lower Upper

106 100

91 204.5 147.7 274.3





#54

o-Xylene

Concen: 4.963 ug/L

RT: 10.100 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

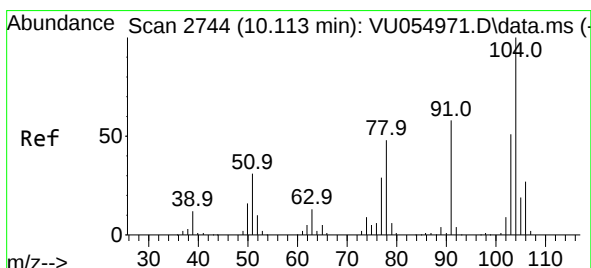
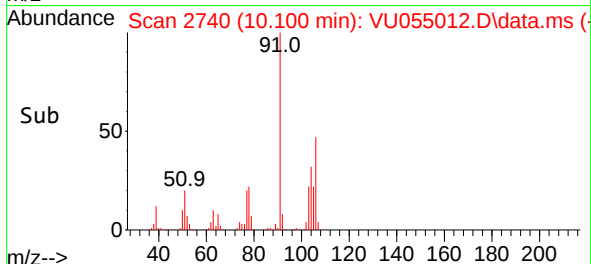
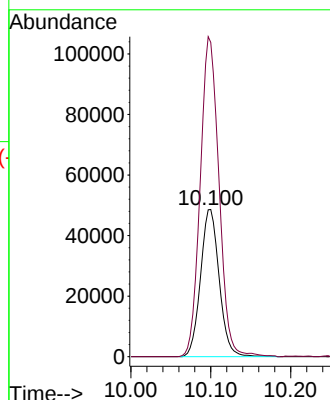
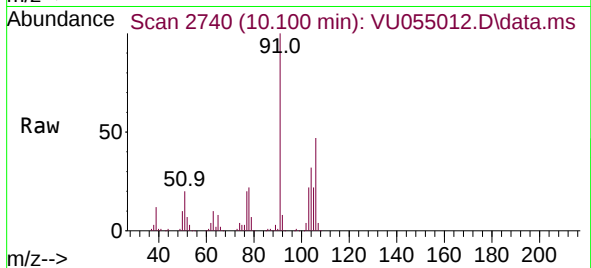
ClientSampleId :

Tgt Ion:106 Resp: 79060

Ion Ratio Lower Upper

106 100

91 213.4 154.2 286.4



#55

Styrene

Concen: 4.986 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. -0.000 min

Lab File: VU055012.D

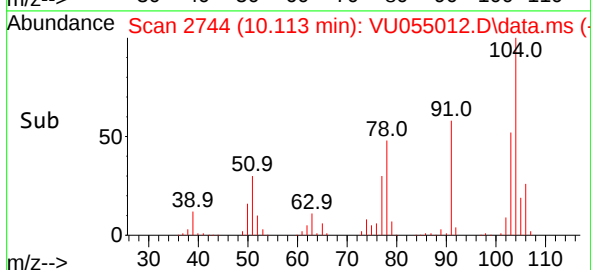
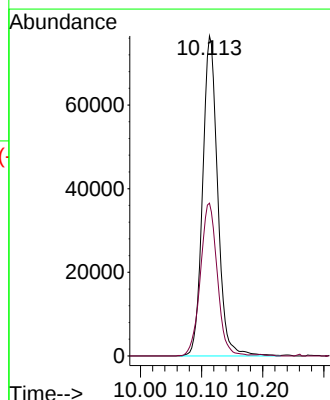
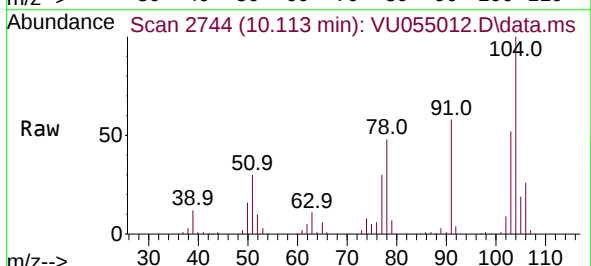
Acq: 31 Aug 2023 09:06

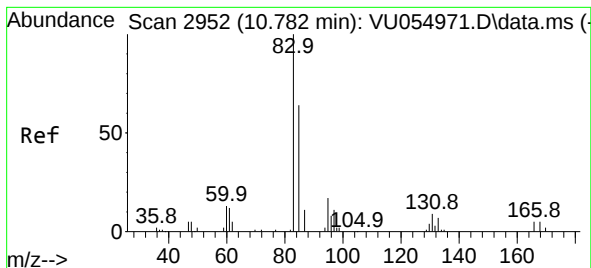
Tgt Ion:104 Resp: 130924

Ion Ratio Lower Upper

104 100

78 47.7 33.7 62.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.488 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.004 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

ClientSampleId :

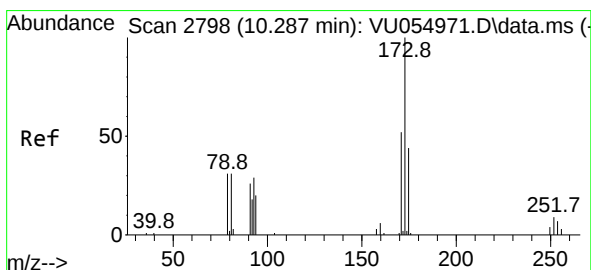
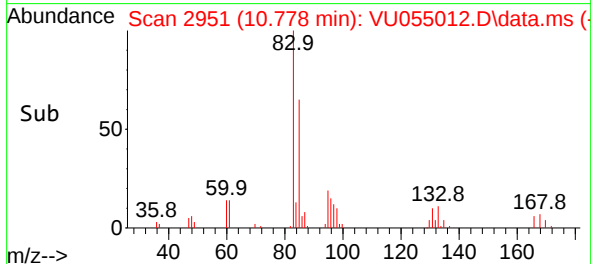
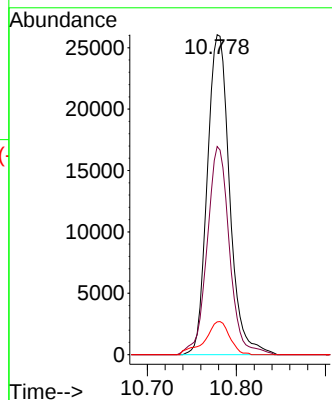
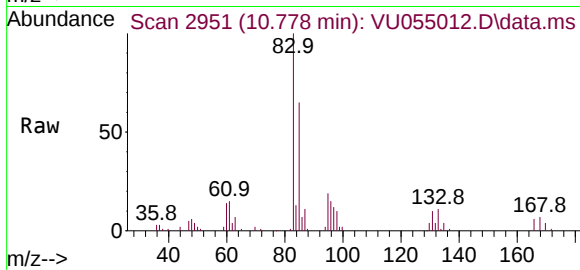
Tgt Ion: 83 Resp: 45253

Ion Ratio Lower Upper

83 100

85 65.0 46.1 85.5

131 10.3 7.7 11.5



#59

Bromoform

Concen: 5.270 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

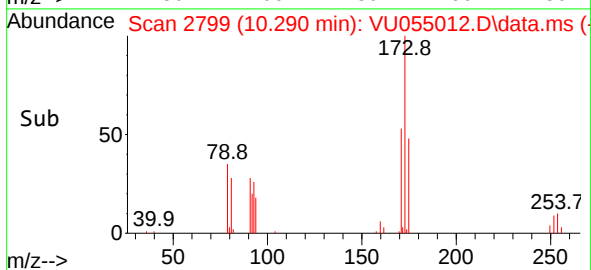
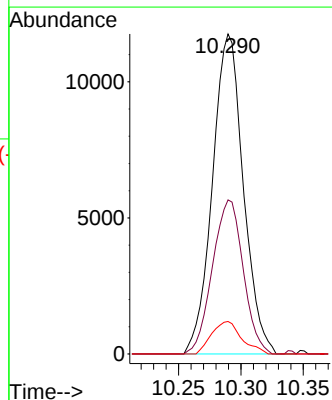
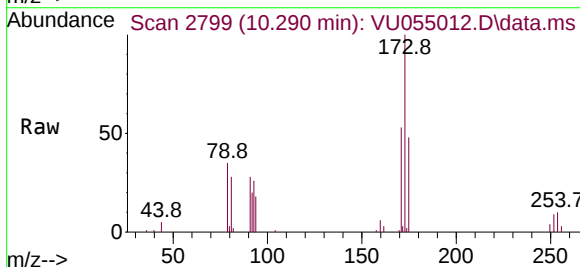
Tgt Ion:173 Resp: 20276

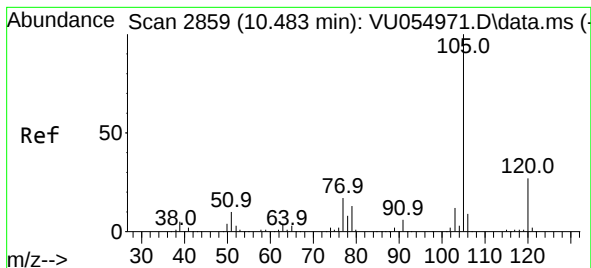
Ion Ratio Lower Upper

173 100

175 47.9 40.8 61.2

254 9.9 6.8 10.2





#60

Isopropylbenzene

Concen: 4.909 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

ClientSampleId :

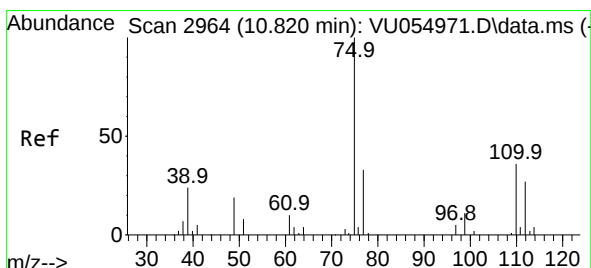
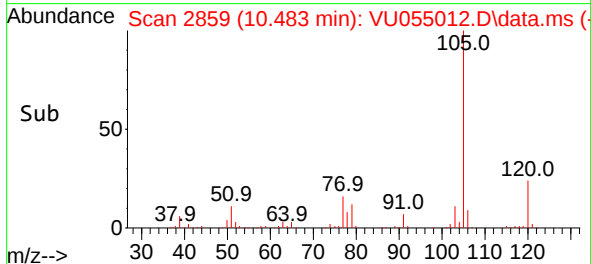
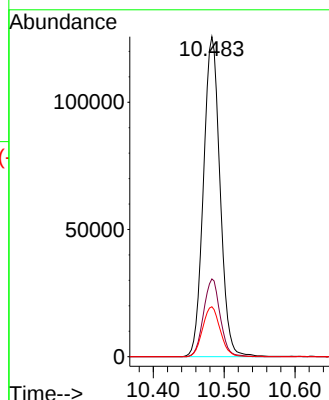
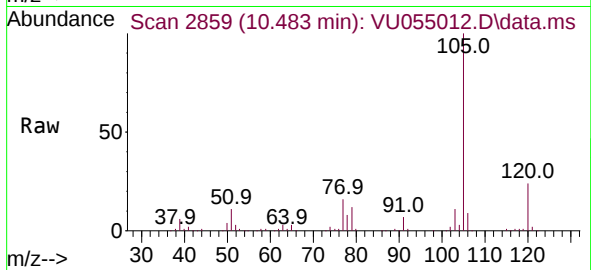
Tgt Ion:105 Resp: 204101

Ion Ratio Lower Upper

105 100

120 24.4 20.8 31.2

77 16.6 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 5.711 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

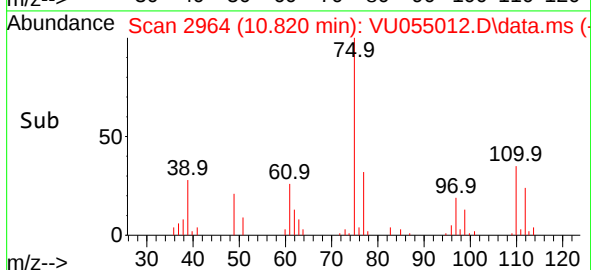
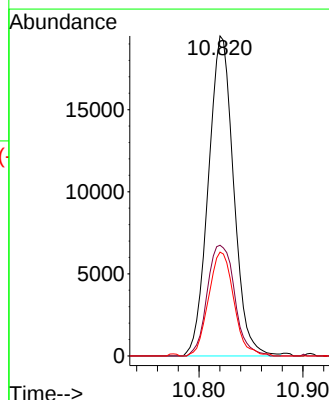
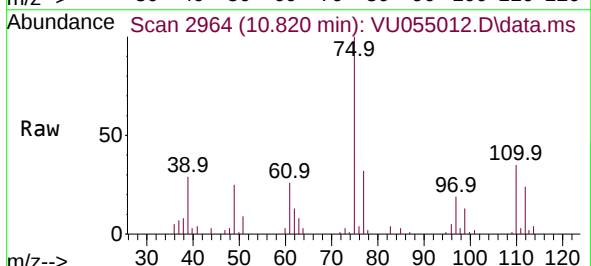
Tgt Ion: 75 Resp: 32934

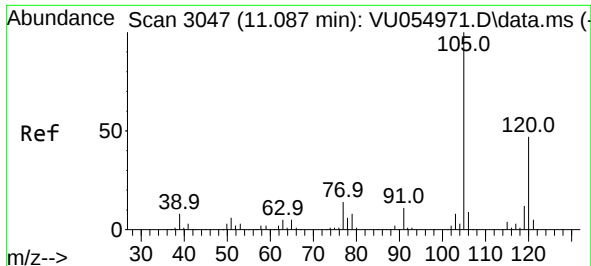
Ion Ratio Lower Upper

75 100

110 37.5 29.0 43.6

77 32.4 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 4.690 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

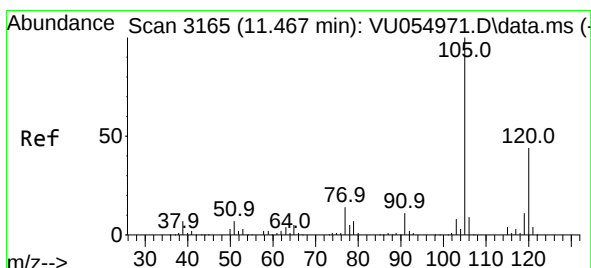
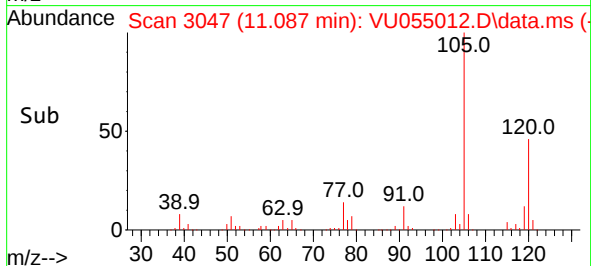
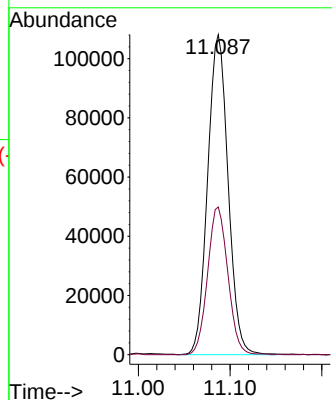
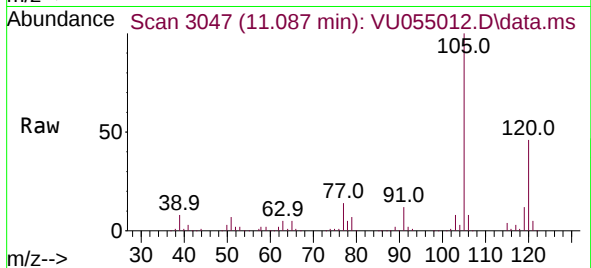
ClientSampleId :

Tgt Ion:105 Resp: 167359

Ion Ratio Lower Upper

105 100

120 45.8 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 4.740 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VU055012.D

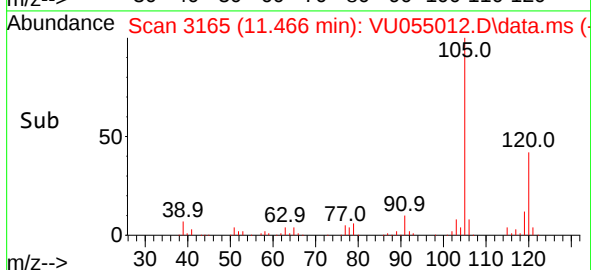
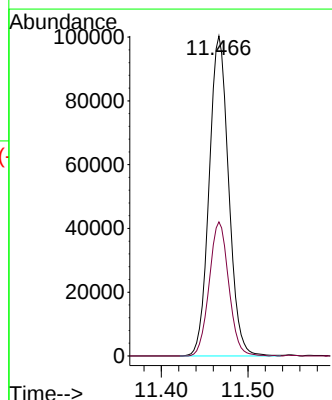
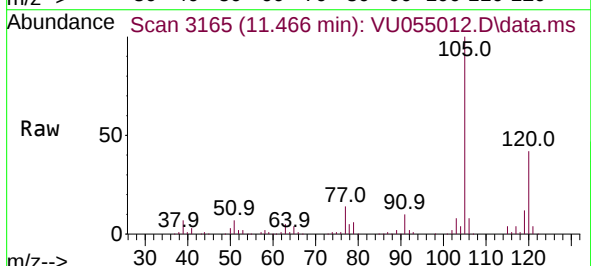
Acq: 31 Aug 2023 09:06

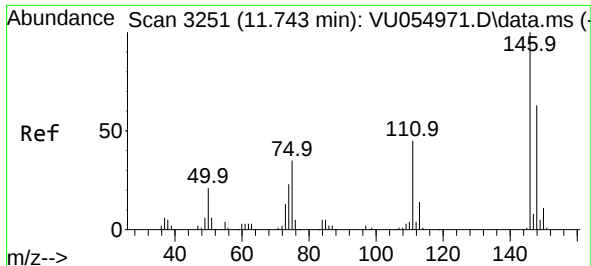
Tgt Ion:105 Resp: 156938

Ion Ratio Lower Upper

105 100

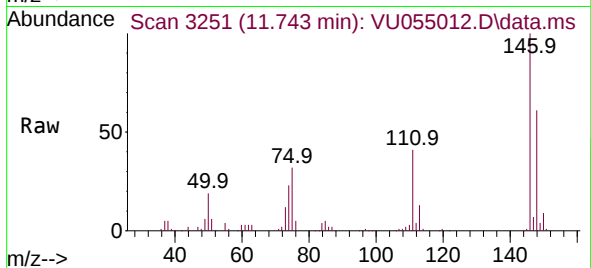
120 42.0 34.3 51.5



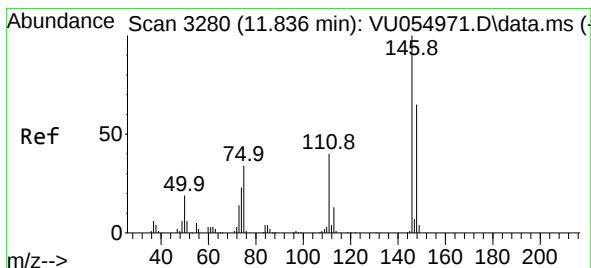
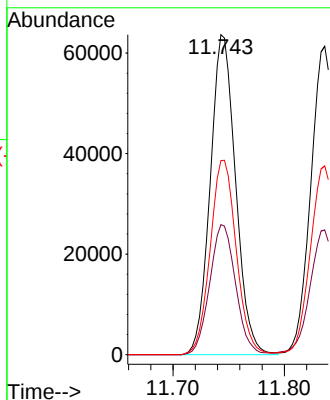
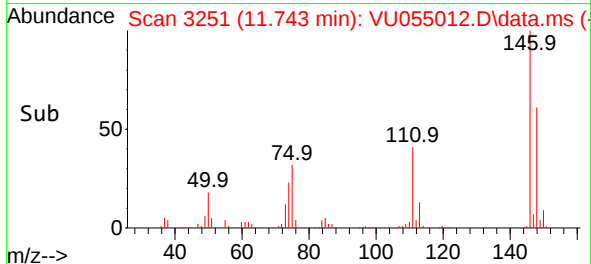


#64
1,3-Dichlorobenzene
Concen: 5.205 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06

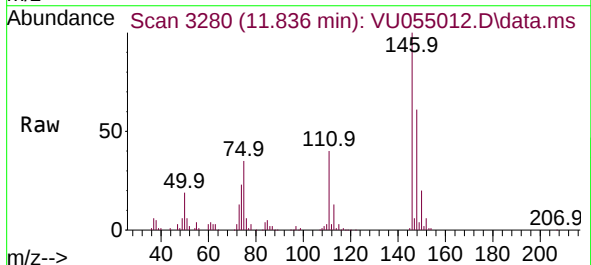
Instrument :
MSVOA_U
ClientSampleId :



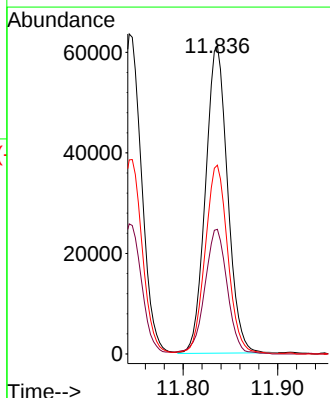
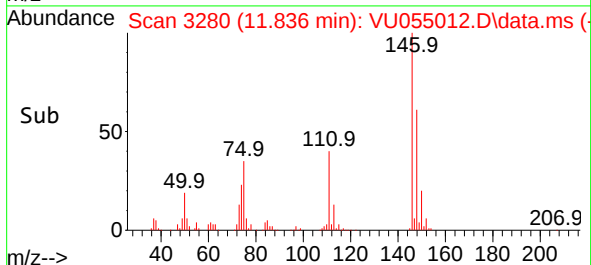
Tgt Ion:146 Resp: 100706
Ion Ratio Lower Upper
146 100
111 40.6 30.4 56.4
148 60.6 44.4 82.4

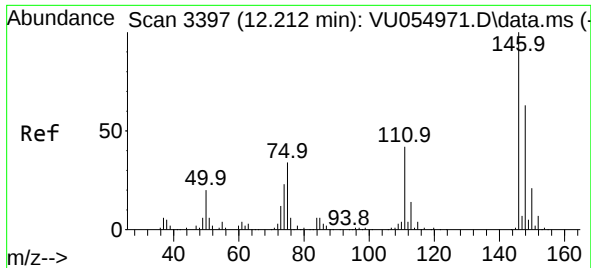


#65
1,4-Dichlorobenzene
Concen: 5.138 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055012.D
Acq: 31 Aug 2023 09:06



Tgt Ion:146 Resp: 99435
Ion Ratio Lower Upper
146 100
111 40.4 29.9 55.5
148 61.2 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.361 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

ClientSampleId :

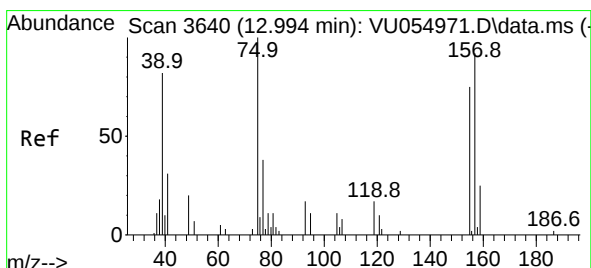
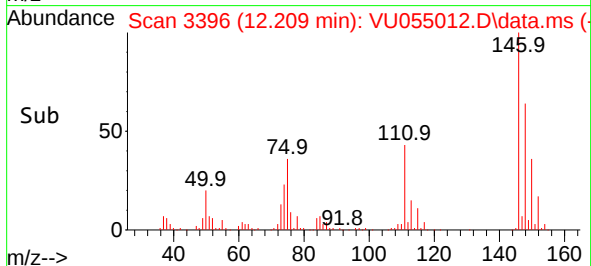
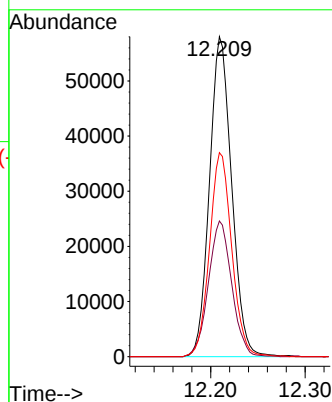
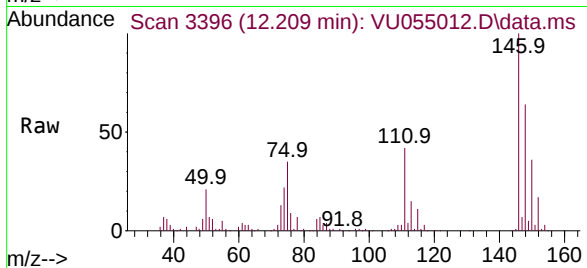
Tgt Ion:146 Resp: 94532

Ion Ratio Lower Upper

146 100

111 42.4 34.9 52.3

148 63.7 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.342 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.004 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

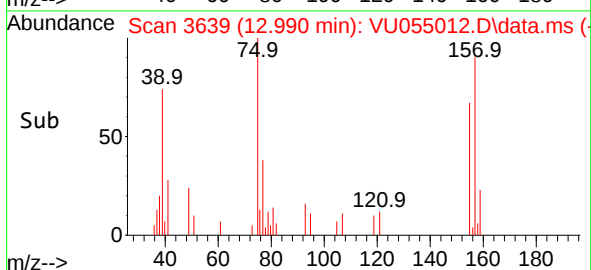
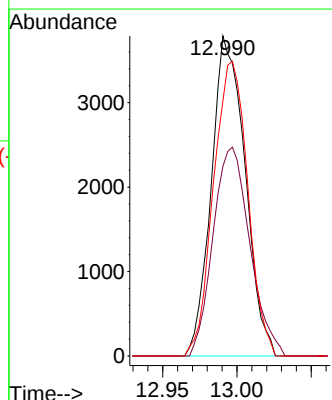
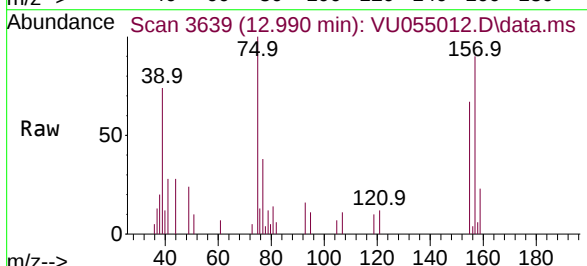
Tgt Ion: 75 Resp: 5969

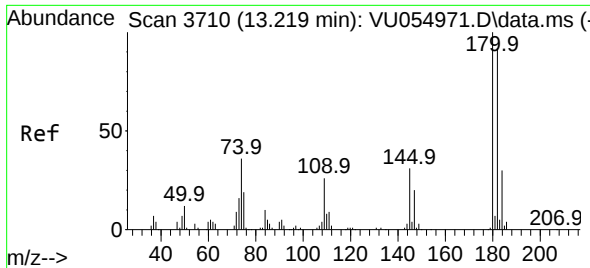
Ion Ratio Lower Upper

75 100

155 59.3 53.3 79.9

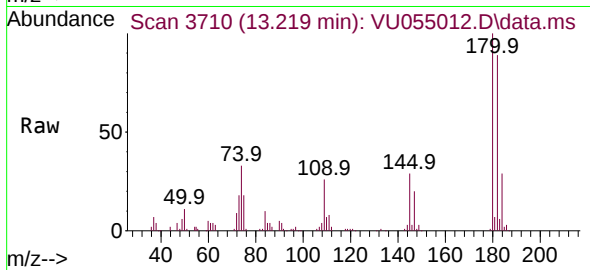
157 79.7 69.5 104.3



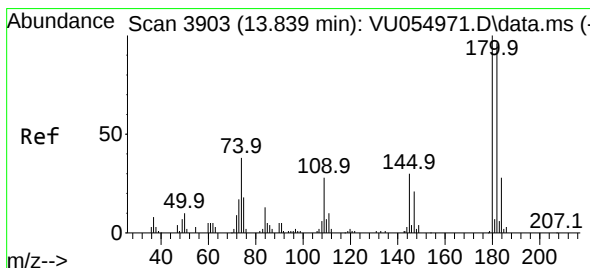
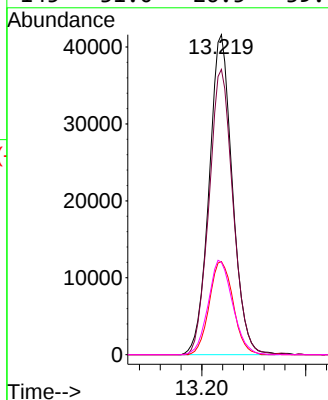
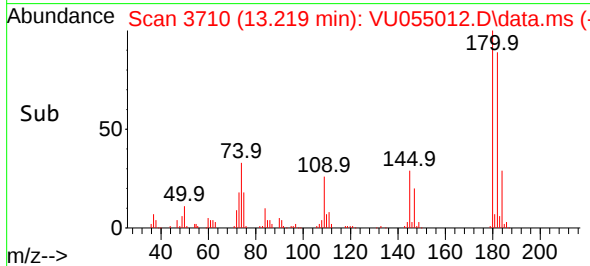


#69
 1,3,5-Trichlorobenzene
 Concen: 5.022 ug/L
 RT: 13.219 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU055012.D
 Acq: 31 Aug 2023 09:06

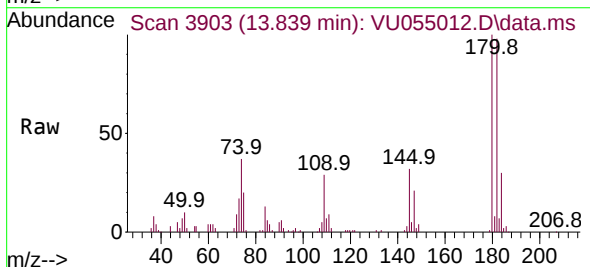
Instrument :
 MSVOA_U
 ClientSampleId :



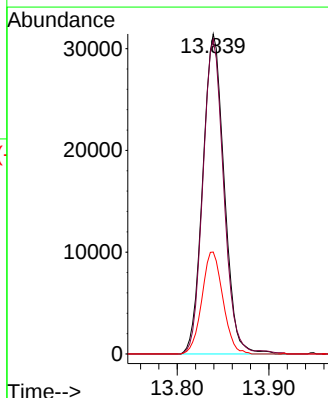
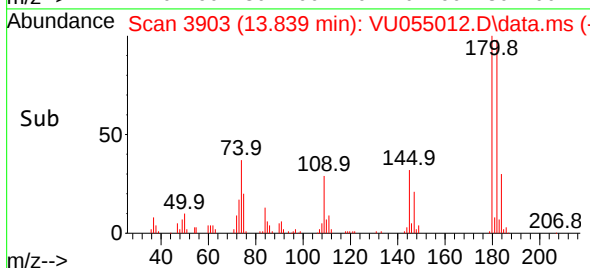
Tgt Ion:180 Resp: 64773
 Ion Ratio Lower Upper
 180 100
 182 91.7 76.6 114.8
 184 29.8 23.6 35.4
 145 31.0 26.5 39.7

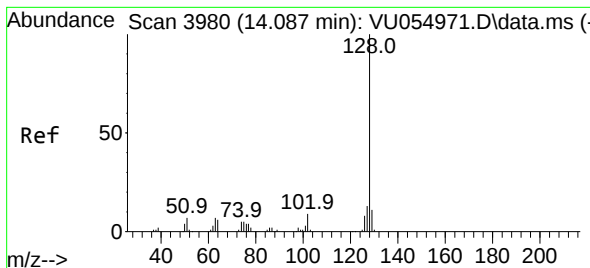


#70
 1,2,4-trichlorobenzene
 Concen: 5.045 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. -0.000 min
 Lab File: VU055012.D
 Acq: 31 Aug 2023 09:06



Tgt Ion:180 Resp: 50969
 Ion Ratio Lower Upper
 180 100
 182 95.1 74.9 112.3
 145 31.3 25.8 38.8





#71

Naphthalene

Concen: 4.936 ug/L

RT: 14.087 min Scan# 3980

Delta R.T. -0.000 min

Lab File: VU055012.D

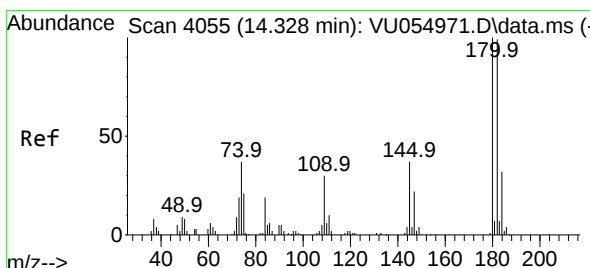
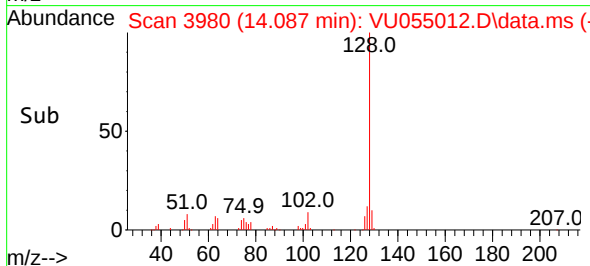
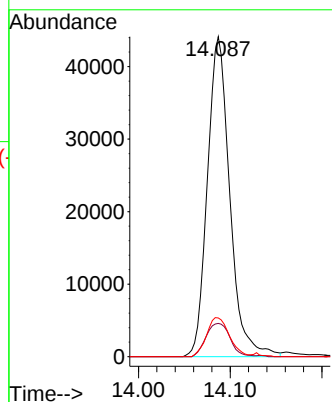
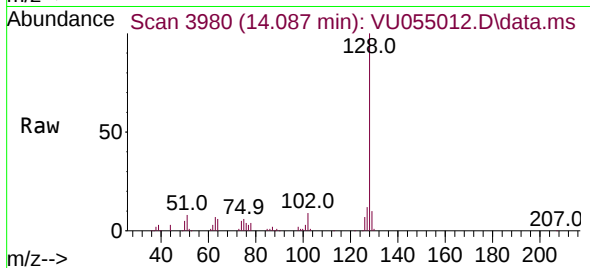
Acq: 31 Aug 2023 09:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	128	Resp:	75021
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.6	12.8
127	12.4	9.3	13.9



#72

1,2,3-Trichlorobenzene

Concen: 5.147 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. -0.000 min

Lab File: VU055012.D

Acq: 31 Aug 2023 09:06

Tgt Ion:	180	Resp:	43080
Ion Ratio	Lower	Upper	
180	100		
182	98.8	77.7	116.5
145	36.2	28.1	42.1

