

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063023\
 Data File : VU054733.D
 Acq On : 30 Jun 2023 19:34
 Operator : MD/SY
 Sample : 03495-05MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FA7MSD

Quant Time: Jul 03 06:48:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jul 03 06:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	266620	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	260568	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	136239	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	77177	4.548	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.000%
7) Chloroethane-d5	1.907	69	71132	4.477	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.563	65	31500	4.157	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.200%
20) 2-Butanone-d5	4.624	46	271010	56.807	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.620%
24) Chloroform-d	5.058	84	162698	4.587	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.698	65	82661	4.781	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
32) Benzene-d6	5.724	84	303017	4.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	6.685	67	104573	4.323	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.894	98	269123	4.187	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	8.177	79	38114	4.531	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.631	63	193028	54.696	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.400%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	89963	4.987	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	99473	4.329	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	91684	3.680	ug/L	97
3) Chloromethane	1.518	50	127247	4.446	ug/L	99
5) Vinyl chloride	1.602	62	126854	4.318	ug/L	100
6) Bromomethane	1.853	94	67525	4.181	ug/L	98
8) Chloroethane	1.927	64	84016	4.772	ug/L	100
9) Trichlorofluoromethane	2.132	101	171763	4.756	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	97434	4.612	ug/L	98
12) 1,1-Dichloroethene	2.573	96	87353	4.517	ug/L	86
13) Acetone	2.631	43	193436	43.004	ug/L	99
14) Carbon disulfide	2.788	76	211205	3.683	ug/L	99
15) Methyl Acetate	2.949	43	42676	5.120	ug/L	99
16) Methylene chloride	3.039	84	110425	4.061	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	257539	5.395	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	88002	4.407	ug/L	95
19) 1,1-Dichloroethane	3.866	63	210504	5.095	ug/L	100
21) 2-Butanone	4.702	43	332534	56.963	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	112536	4.950	ug/L	97
23) Bromochloromethane	4.972	128	49708	5.254	ug/L	99
25) Chloroform	5.081	83	210724	5.173	ug/L	100

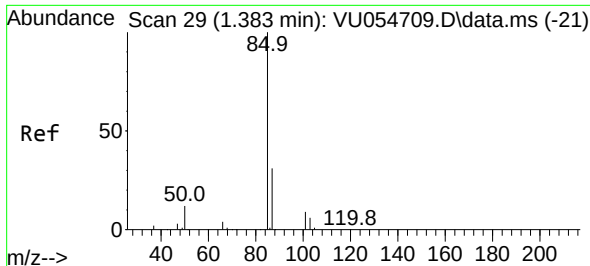
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063023\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	128221	5.370	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	175801	4.976	ug/L	100
30) Cyclohexane	5.383	56	146928	3.818	ug/L	99
31) Carbon tetrachloride	5.521	117	144542	4.748	ug/L	100
33) Benzene	5.769	78	433144	4.625	ug/L	100
34) Trichloroethene	6.537	95	108150	4.367	ug/L	97
35) Methylcyclohexane	6.759	83	138483	3.700	ug/L	98
37) 1,2-Dichloropropane	6.785	63	126723	5.005	ug/L	99
38) Bromodichloromethane	7.100	83	152870	5.334	ug/L	100
39) cis-1,3-Dichloropropene	7.605	75	163813	4.739	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	804730	59.555	ug/L	99
42) Toluene	7.965	91	464919	4.821	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	143803	5.126	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	88913	5.520	ug/L	99
47) Tetrachloroethene	8.550	164	87744	4.629	ug/L	99
48) 2-Hexanone	8.679	43	593880	58.986	ug/L	99
49) Dibromochloromethane	8.804	129	95064	5.621	ug/L	98
50) 1,2-Dibromoethane	8.920	107	79924	5.404	ug/L	98
51) Chlorobenzene	9.444	112	287799	4.787	ug/L	99
52) Ethylbenzene	9.566	91	484847	4.603	ug/L	99
53) m,p-Xylene	9.692	106	182843	4.726	ug/L	97
54) o-Xylene	10.097	106	178385	4.768	ug/L	100
55) Styrene	10.110	104	310378	4.942	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	118000	5.767	ug/L	98
59) Bromoform	10.286	173	58055	5.936	ug/L	99
60) Isopropylbenzene	10.479	105	482290	4.839	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	80738	5.864	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	377637	4.644	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	390513	4.728	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	236217	5.071	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	230671	4.934	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	219695	5.128	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	18854	6.231	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	168526	4.795	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	145024	4.989	ug/L	98
71) Naphthalene	14.084	128	245021	5.184	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	134726	5.395	ug/L	98

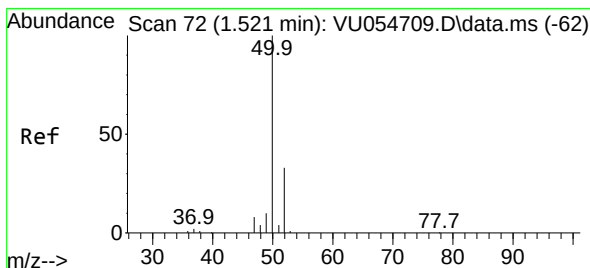
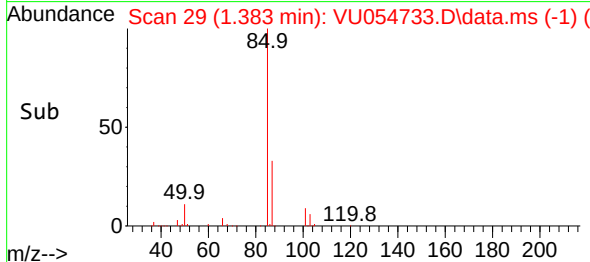
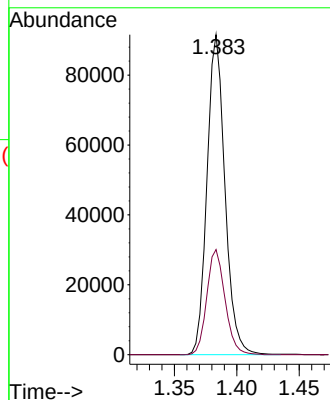
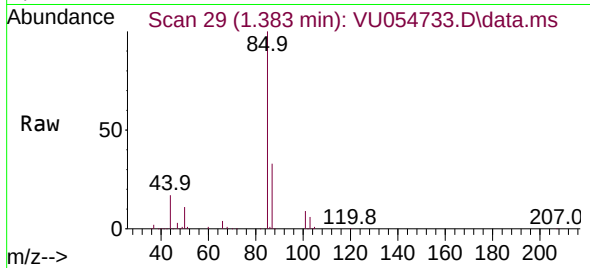
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 3.680 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU054733.D
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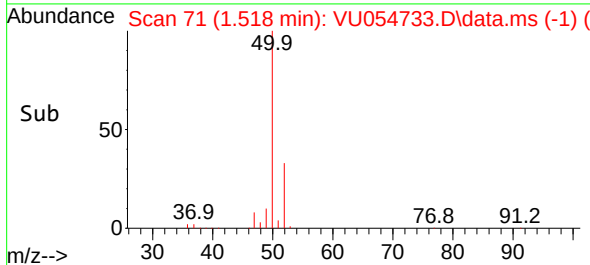
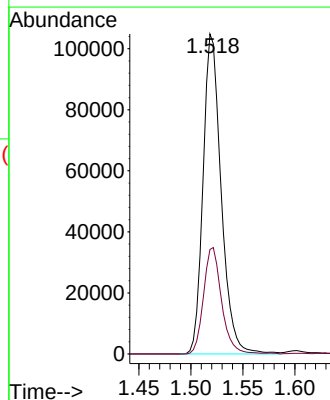
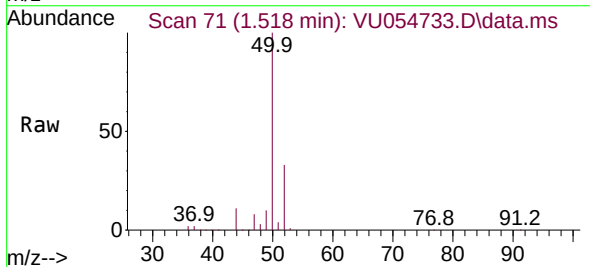
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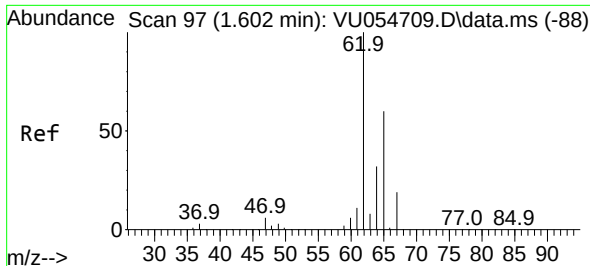
Tgt Ion: 85 Resp: 91684
Ion Ratio Lower Upper
85 100
87 33.4 25.4 38.2



#3
Chloromethane
Concen: 4.446 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Tgt Ion: 50 Resp: 127247
Ion Ratio Lower Upper
50 100
52 32.7 23.4 43.4

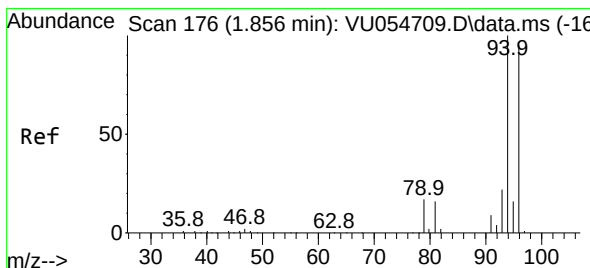
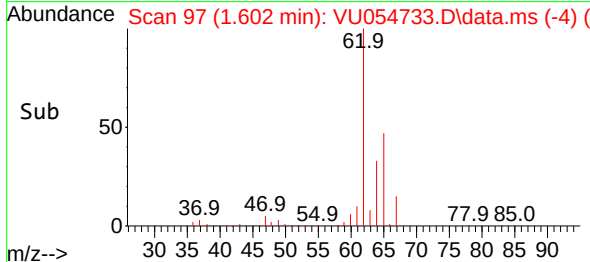
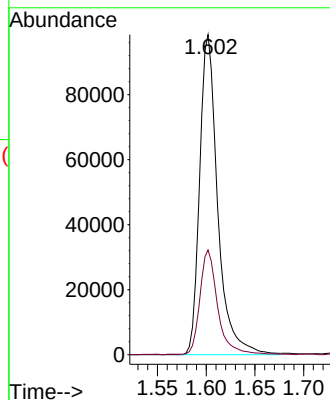
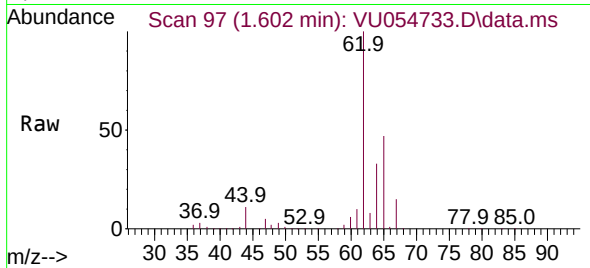




#5
 Vinyl chloride
 Concen: 4.318 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU054733.D
 Acq: 30 Jun 2023 19:34

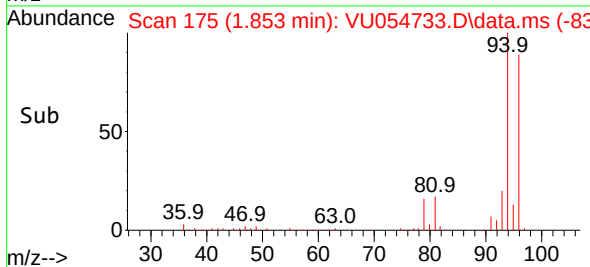
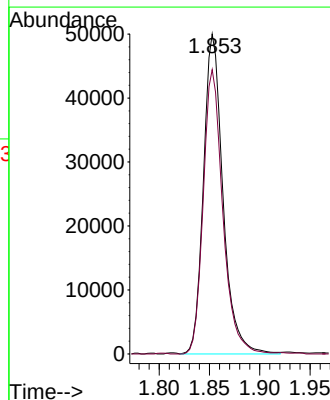
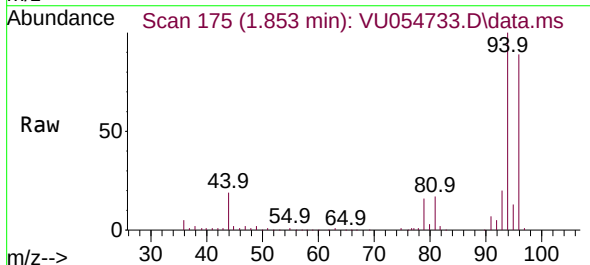
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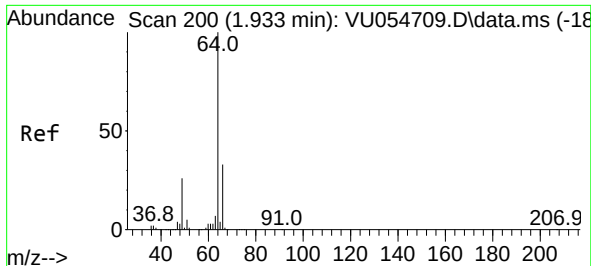
Tgt Ion: 62 Resp: 126854
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.0 42.6



#6
 Bromomethane
 Concen: 4.181 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.003 min
 Lab File: VU054733.D
 Acq: 30 Jun 2023 19:34

Tgt Ion: 94 Resp: 67525
 Ion Ratio Lower Upper
 94 100
 96 88.9 63.6 118.2

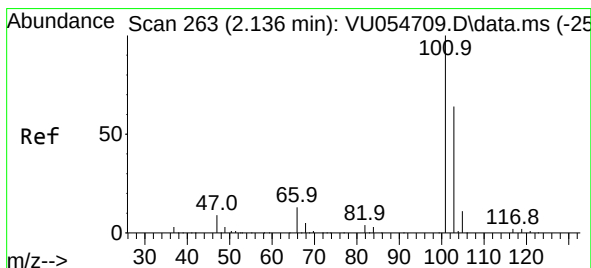
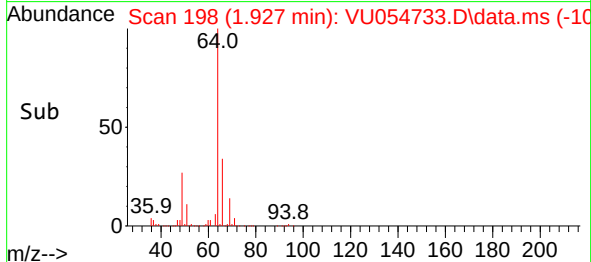
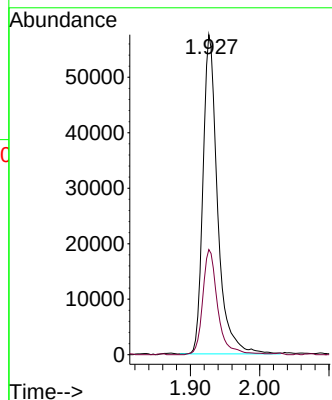
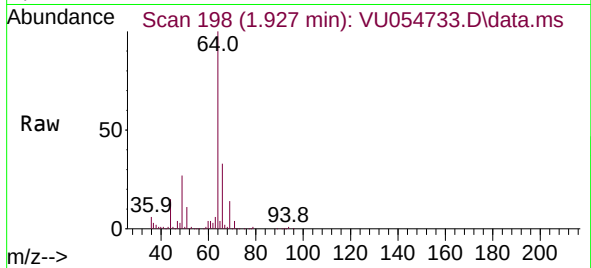




#8
Chloroethane
Concen: 4.772 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.006 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

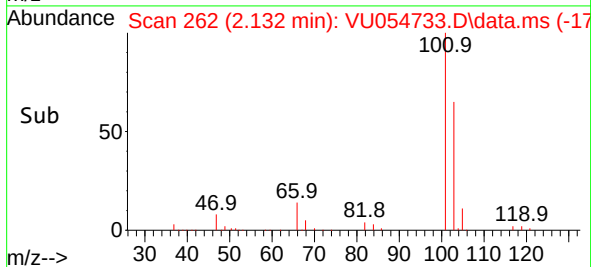
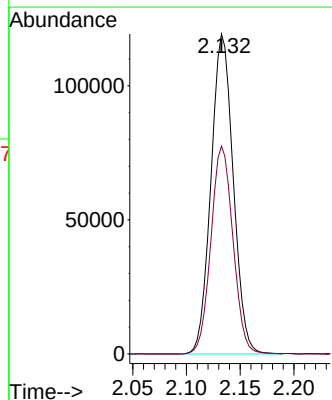
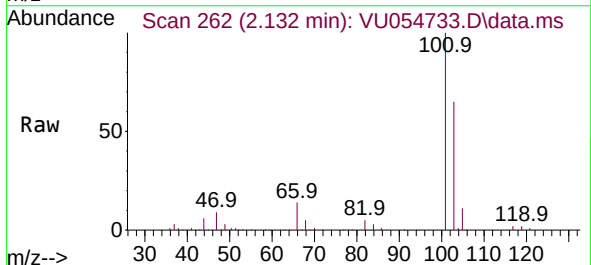
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ClientSampleId :
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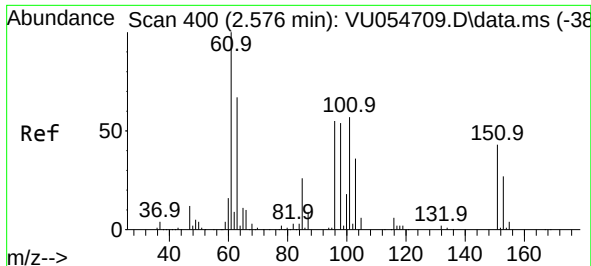
Tgt Ion: 64 Resp: 84016
Ion Ratio Lower Upper
64 100
66 32.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.756 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Tgt Ion: 101 Resp: 171763
Ion Ratio Lower Upper
101 100
103 64.4 50.6 75.8

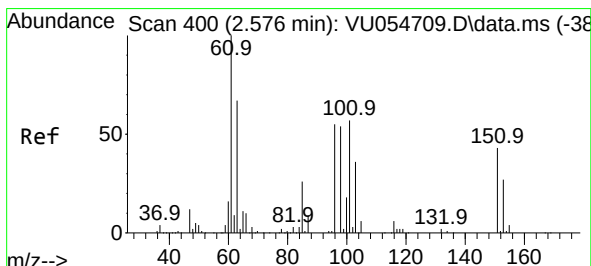
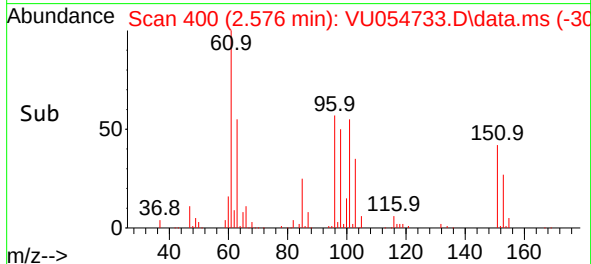
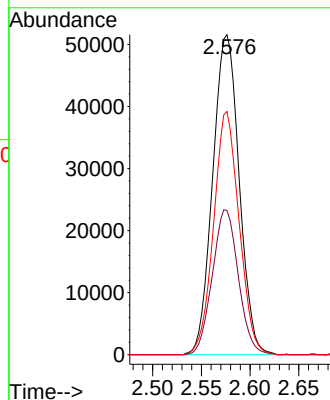
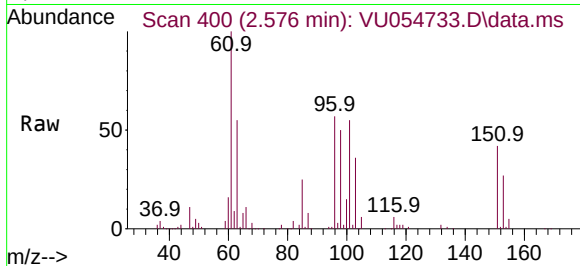




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.612 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU054733.D
 Acq: 30 Jun 2023 19:34

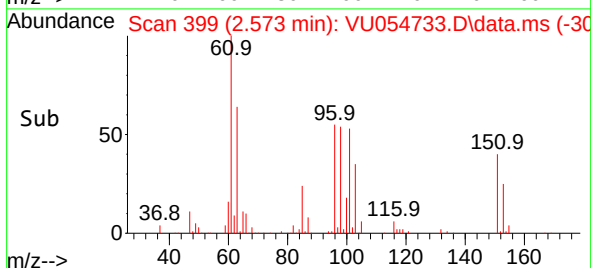
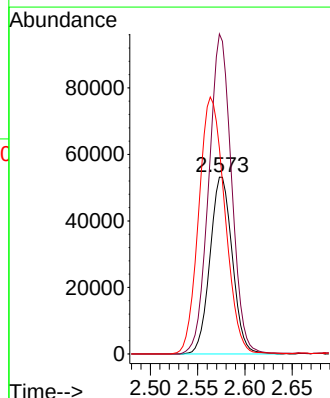
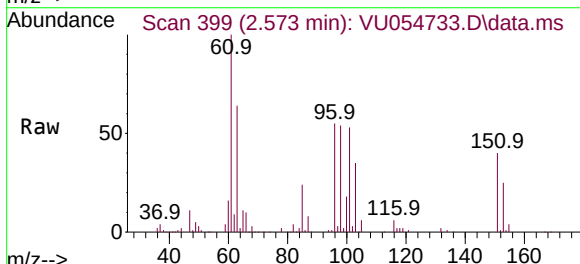
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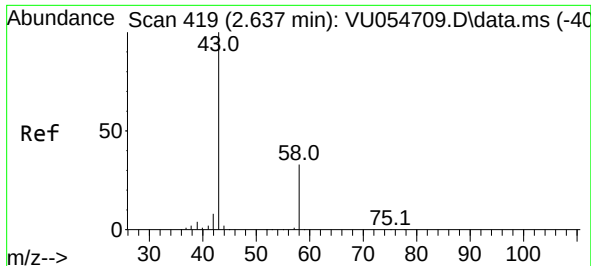
Tgt Ion: 101 Resp: 97434
 Ion Ratio Lower Upper
 101 100
 85 44.5 34.6 51.8
 151 73.2 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.517 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU054733.D
 Acq: 30 Jun 2023 19:34

Tgt Ion: 96 Resp: 87353
 Ion Ratio Lower Upper
 96 100
 61 181.0 119.9 222.7
 63 116.4 64.3 119.3





#13

Acetone

Concen: 43.004 ug/L

RT: 2.631 min Scan# 419

Delta R.T. -0.006 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

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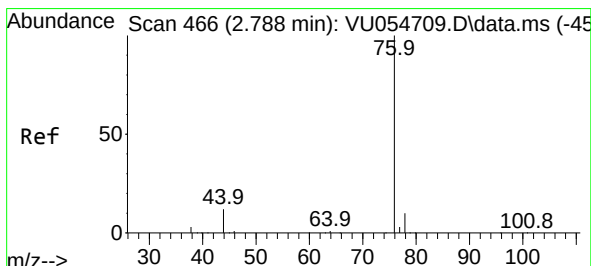
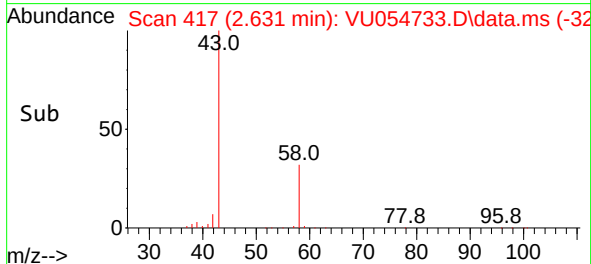
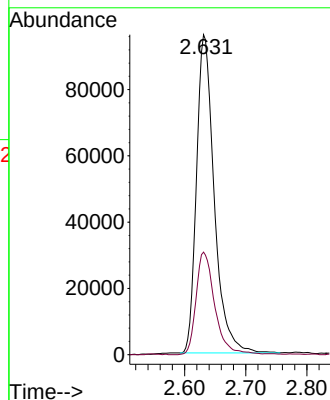
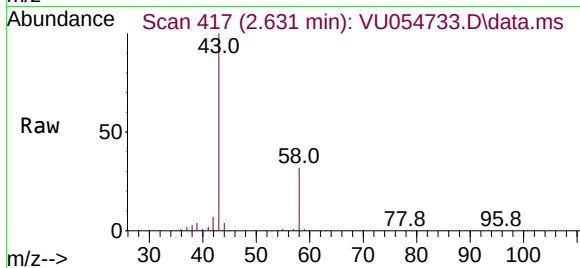
H0FA7MSD

Tgt Ion: 43 Resp: 193436

Ion Ratio Lower Upper

43 100

58 34.0 0.0 67.2



#14

Carbon disulfide

Concen: 3.683 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU054733.D

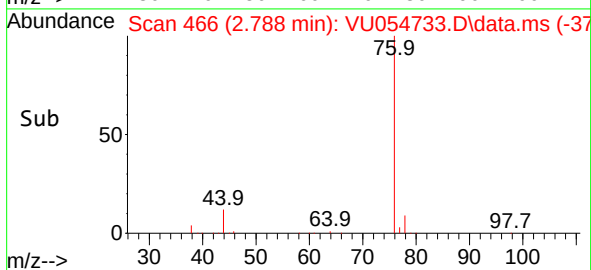
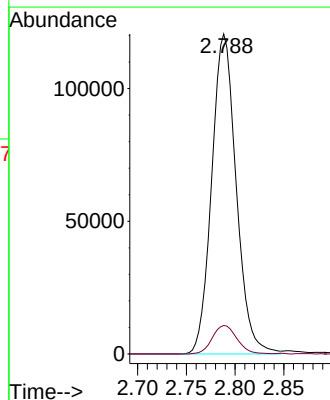
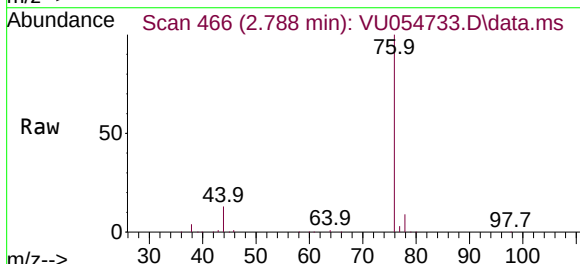
Acq: 30 Jun 2023 19:34

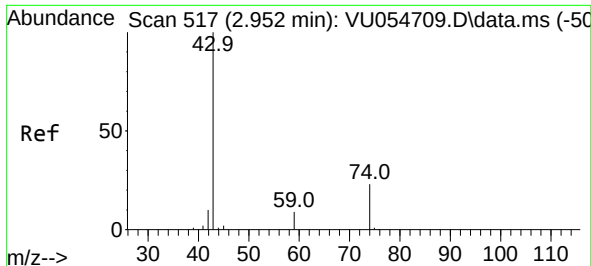
Tgt Ion: 76 Resp: 211205

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

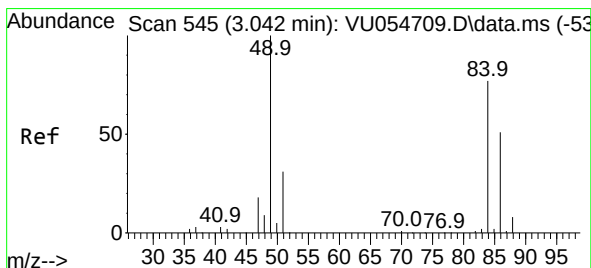
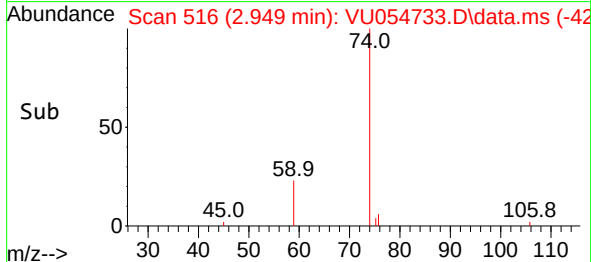
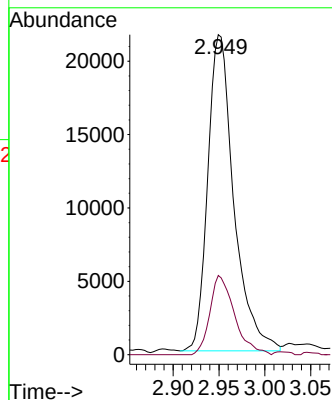
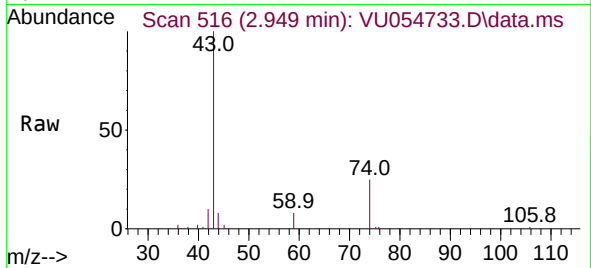




#15
Methyl Acetate
Concen: 5.120 ug/L
RT: 2.949 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

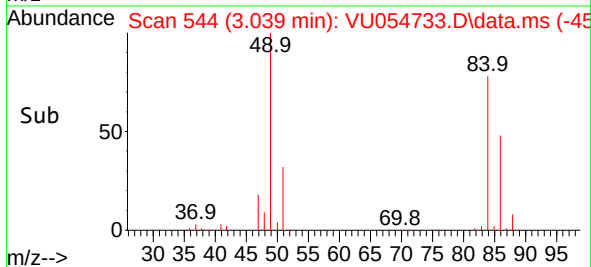
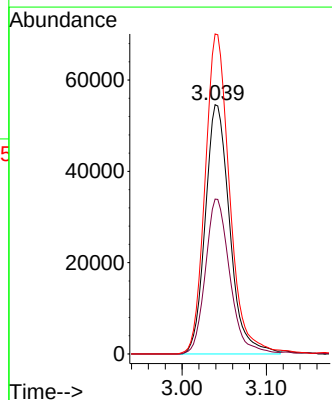
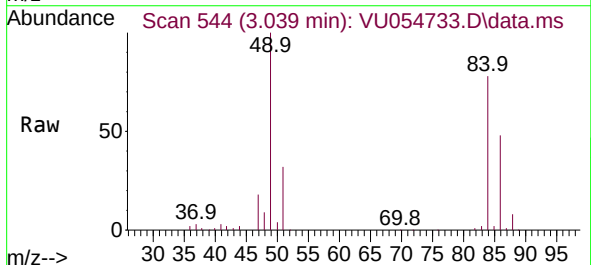
Instrument :
MSVOA_U
ClientSampleId :
H0FA7MSD

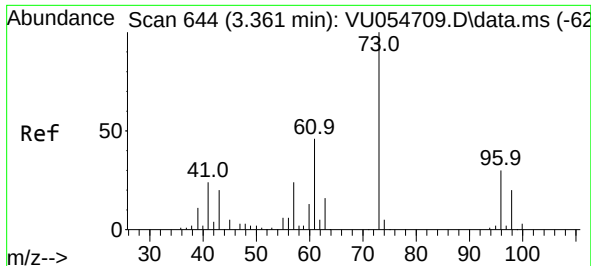
Tgt Ion: 43 Resp: 42676
Ion Ratio Lower Upper
43 100
74 23.5 19.0 28.6



#16
Methylene chloride
Concen: 4.061 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Tgt Ion: 84 Resp: 110425
Ion Ratio Lower Upper
84 100
86 62.1 43.9 81.5
49 128.3 86.1 159.9

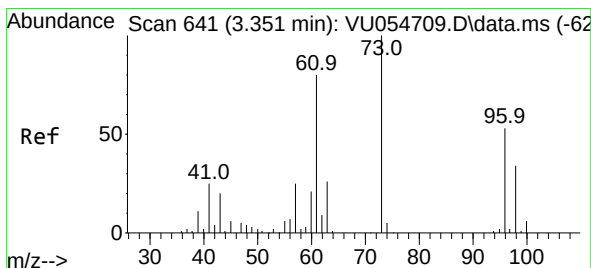
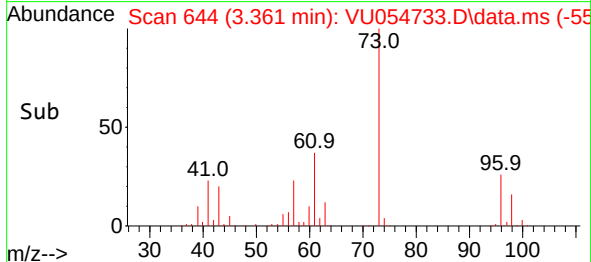
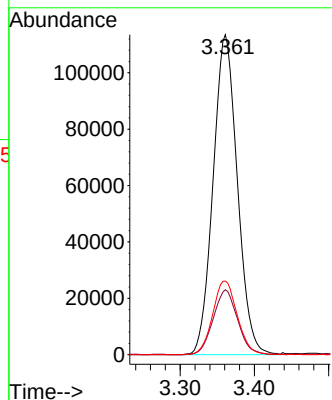
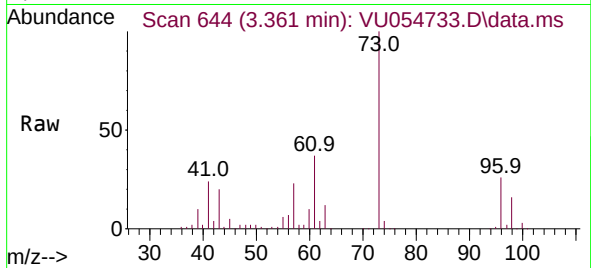




#17
Methyl tert-butyl Ether
Concen: 5.395 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

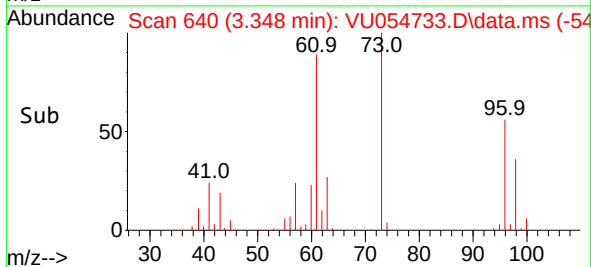
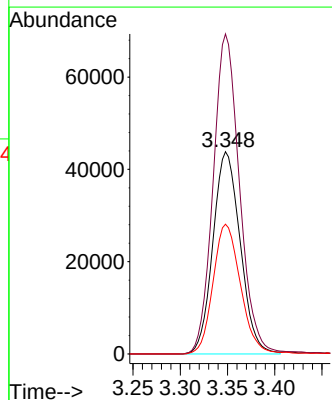
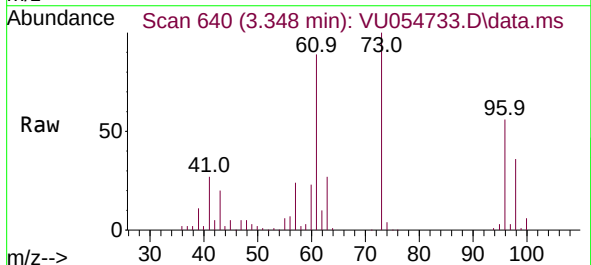
Instrument :
MSVOA_U
ClientSampleId :
H0FA7MSD

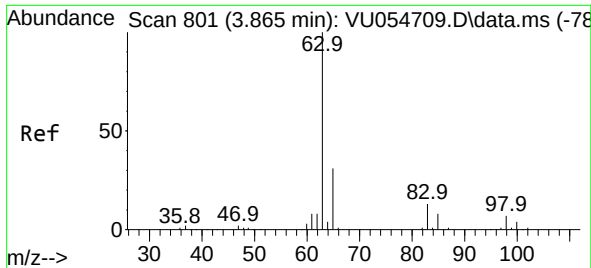
Tgt Ion: 73 Resp: 257539
Ion Ratio Lower Upper
73 100
43 20.5 15.7 23.5
57 23.3 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.407 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Tgt Ion: 96 Resp: 88002
Ion Ratio Lower Upper
96 100
61 158.2 104.6 194.2
98 64.1 45.4 84.4

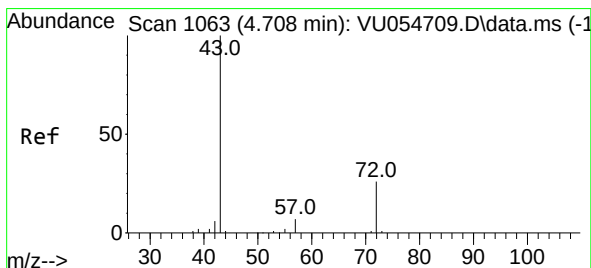
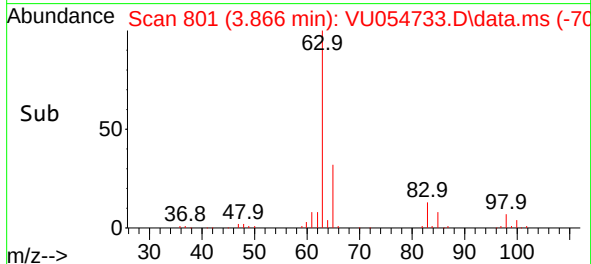
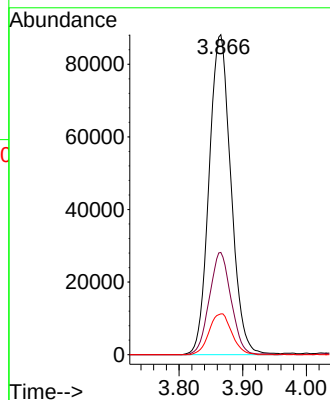
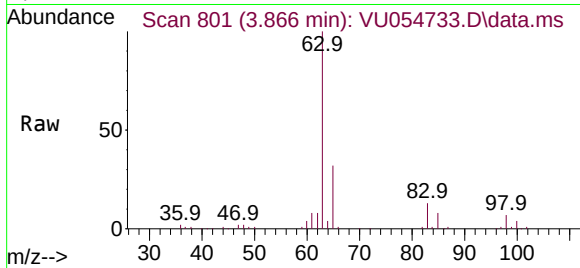




#19
1,1-Dichloroethane
Concen: 5.095 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

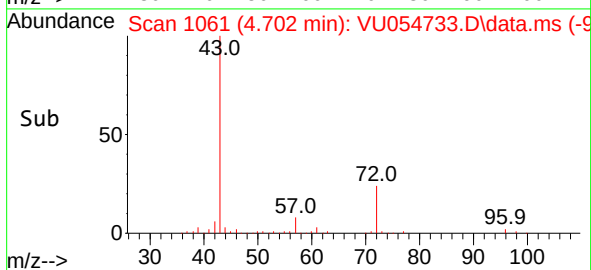
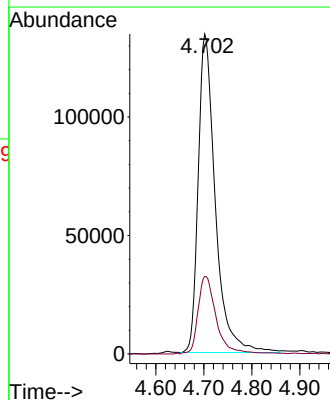
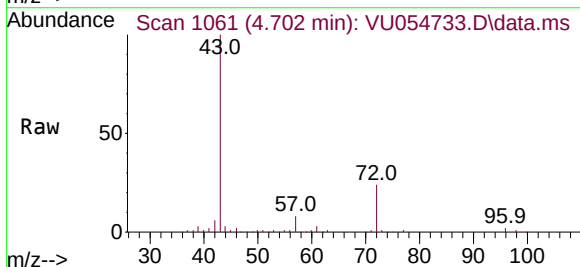
Instrument :
MSVOA_U
ClientSampleId :
H0FA7MSD

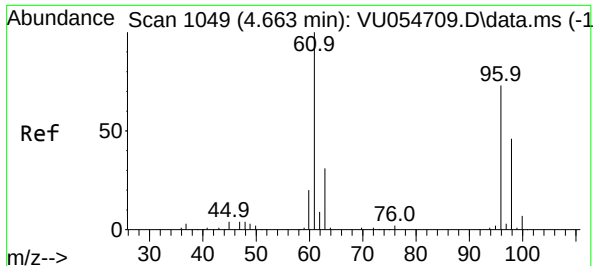
Tgt Ion: 63 Resp: 210504
Ion Ratio Lower Upper
63 100
65 32.0 22.2 41.2
83 12.7 9.0 16.6



#21
2-Butanone
Concen: 56.963 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. -0.006 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Tgt Ion: 43 Resp: 332534
Ion Ratio Lower Upper
43 100
72 25.9 13.4 40.1



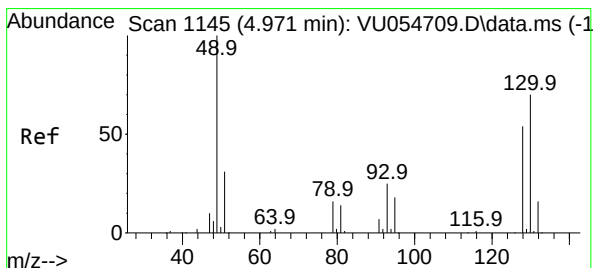
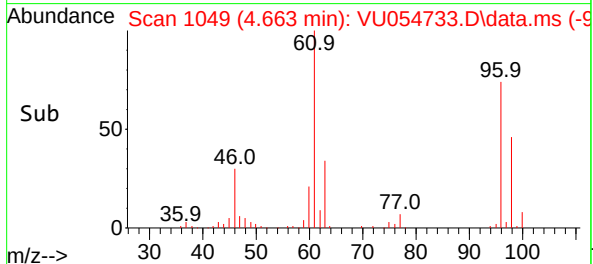
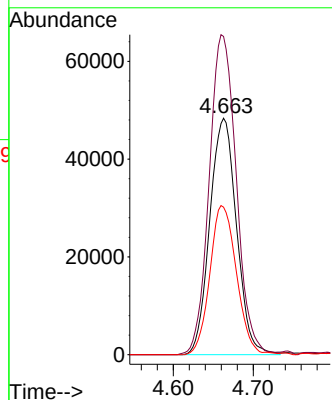
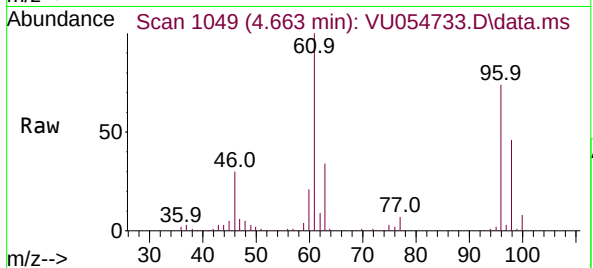


#22
 cis-1,2-Dichloroethene
 Concen: 4.950 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054733.D
 Acq: 30 Jun 2023 19:34

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FA7MSD

Tgt Ion: 96 Resp: 112536

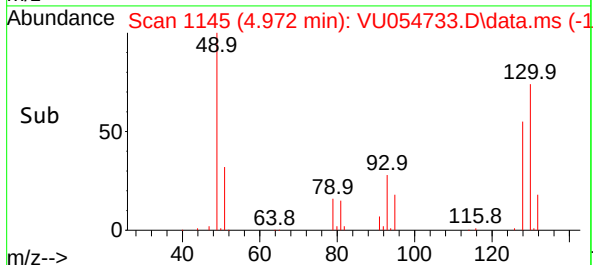
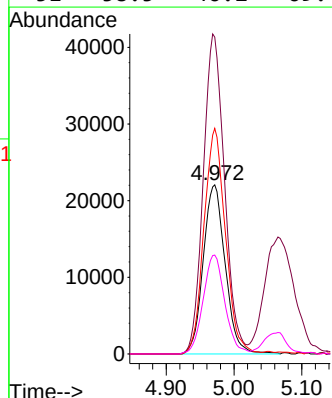
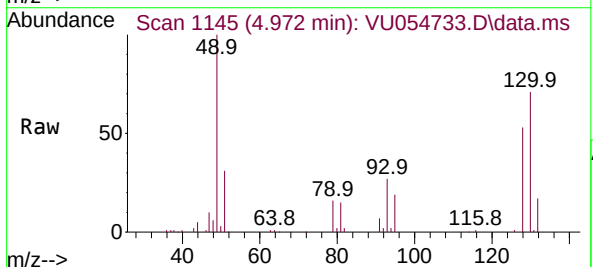
Ion	Ratio	Lower	Upper
96	100		
61	134.6	96.5	179.1
98	62.4	44.9	83.3

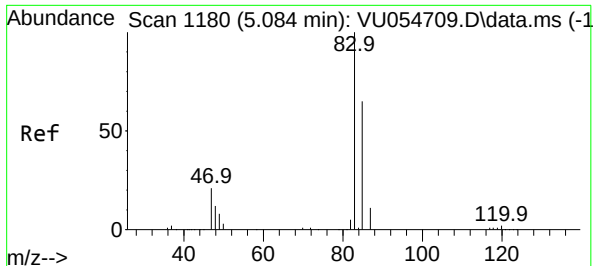


#23
 Bromochloromethane
 Concen: 5.254 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU054733.D
 Acq: 30 Jun 2023 19:34

Tgt Ion: 128 Resp: 49708

Ion	Ratio	Lower	Upper
128	100		
49	187.4	132.1	245.3
130	133.5	91.5	169.9
51	58.5	46.2	69.4





#25

Chloroform

Concen: 5.173 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

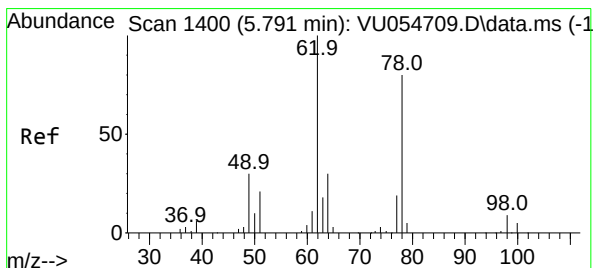
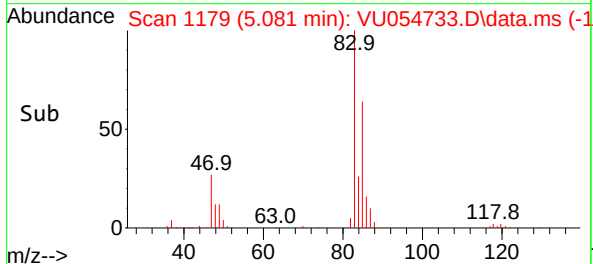
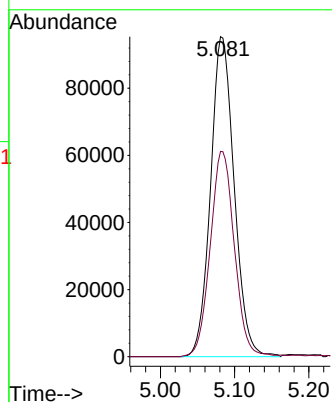
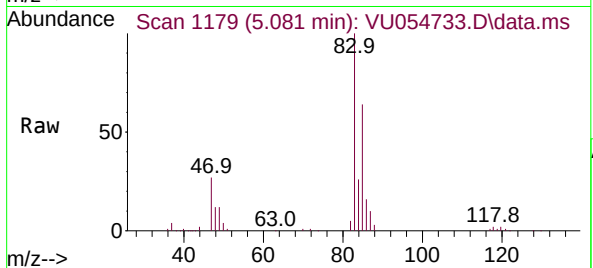
H0FA7MSD

Tgt Ion: 83 Resp: 210724

Ion Ratio Lower Upper

83 100

85 64.2 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.370 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU054733.D

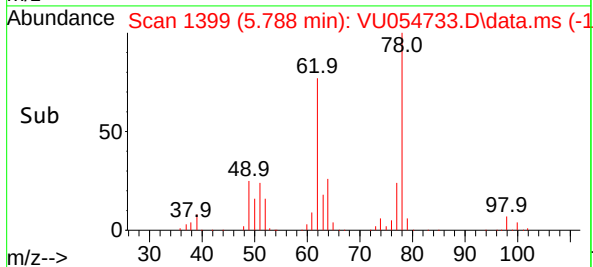
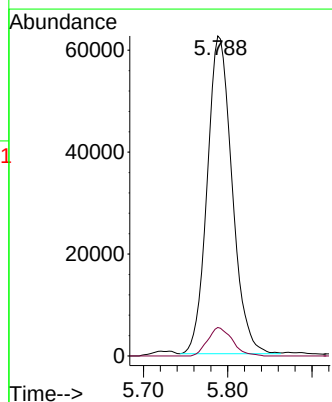
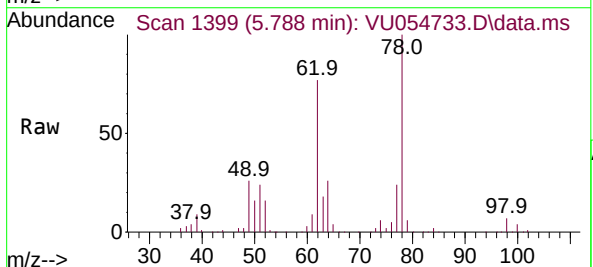
Acq: 30 Jun 2023 19:34

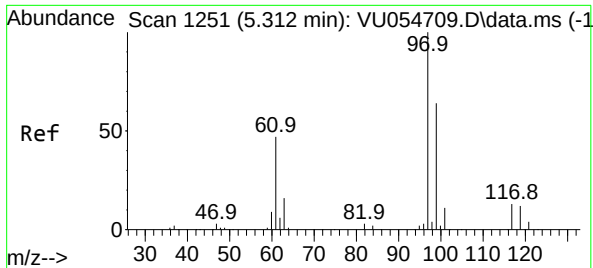
Tgt Ion: 62 Resp: 128221

Ion Ratio Lower Upper

62 100

98 8.9 7.8 11.6

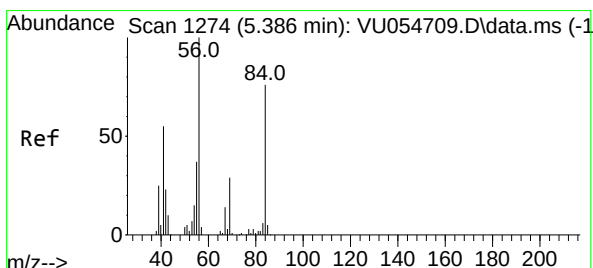
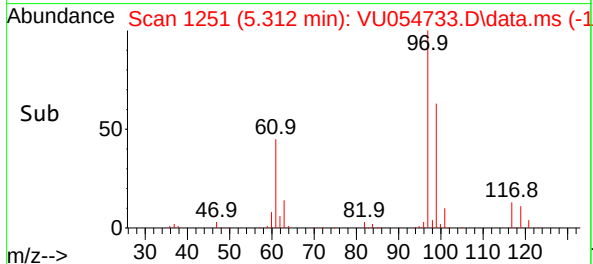
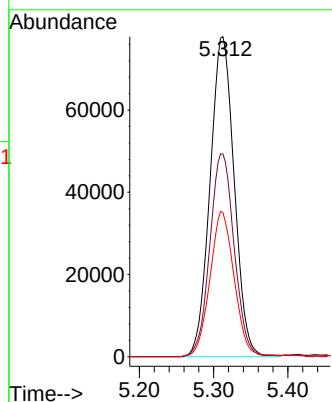
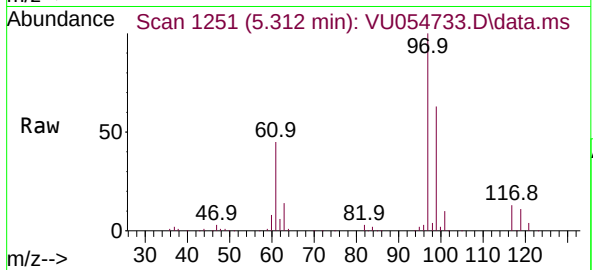




#29
1,1,1-Trichloroethane
Concen: 4.976 ug/L
RT: 5.312 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

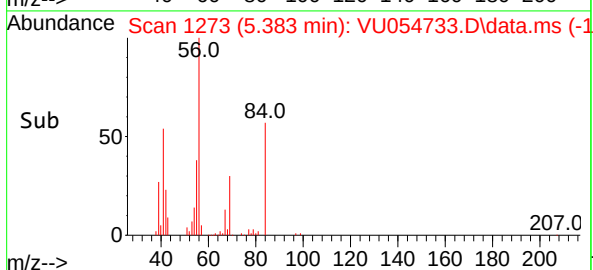
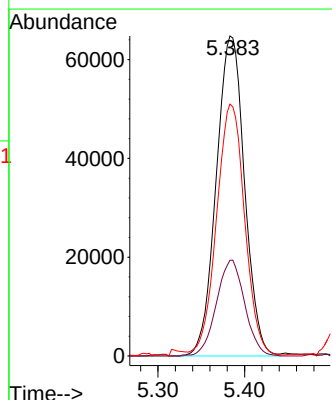
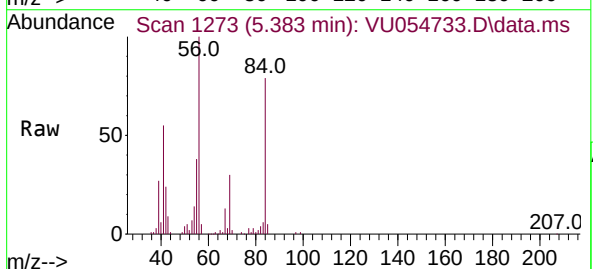
Instrument :
MSVOA_U
ClientSampleId :
H0FA7MSD

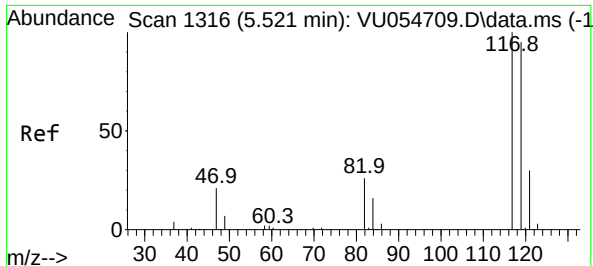
Tgt Ion:	97	Resp:	175801
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	45.3	36.1	54.1



#30
Cyclohexane
Concen: 3.818 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.003 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Tgt Ion:	56	Resp:	146928
Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.9	35.9
84	77.7	63.0	94.6

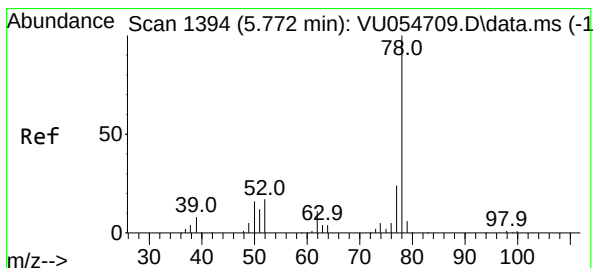
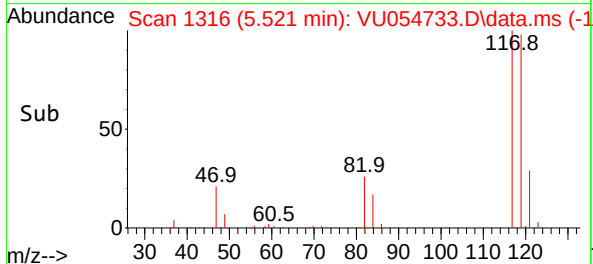
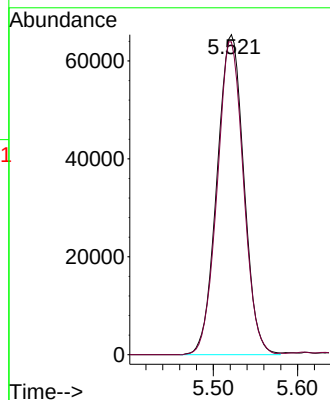
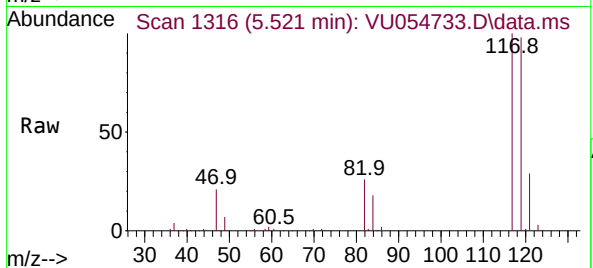




#31
Carbon tetrachloride
Concen: 4.748 ug/L
RT: 5.521 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

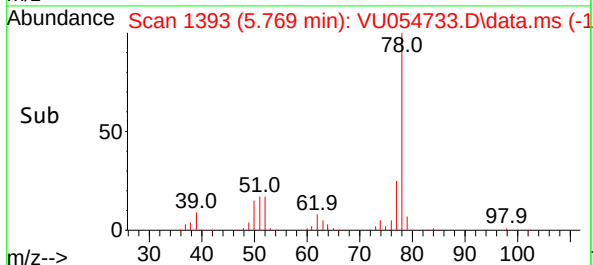
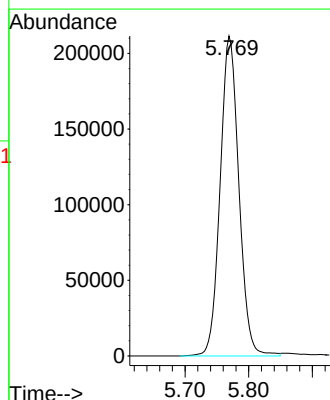
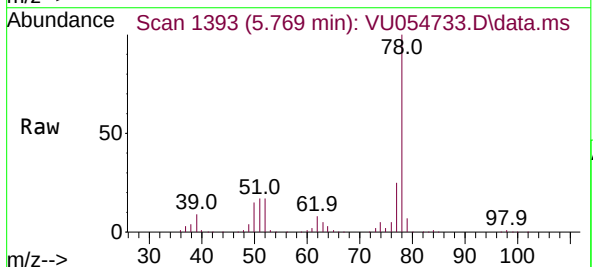
Instrument :
MSVOA_U
ClientSampleId :
H0FA7MSD

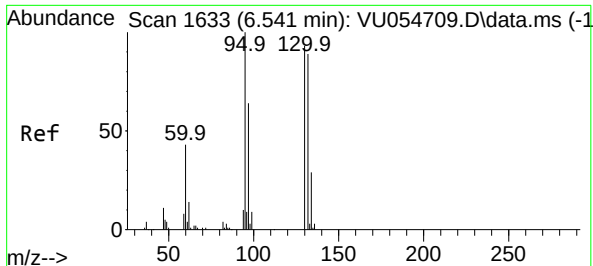
Tgt Ion:117 Resp: 144542
Ion Ratio Lower Upper
117 100
119 95.8 76.8 115.2



#33
Benzene
Concen: 4.625 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Tgt Ion: 78 Resp: 433144





#34

Trichloroethene

Concen: 4.367 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

H0FA7MSD

Tgt Ion: 95 Resp: 108150

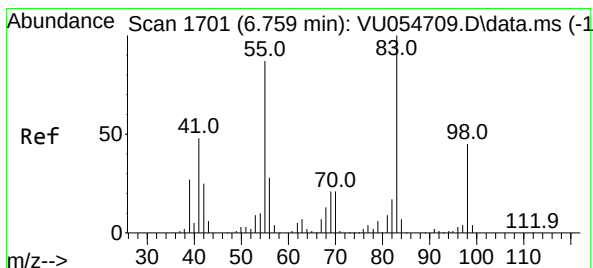
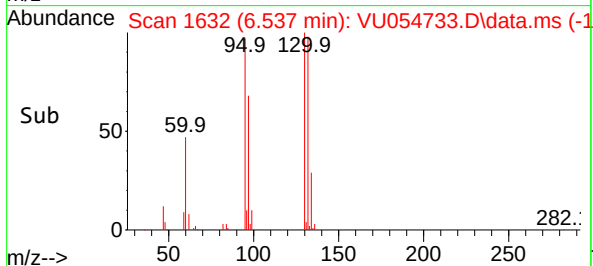
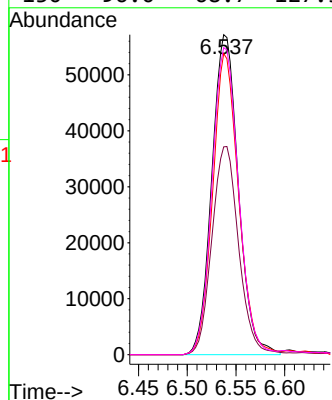
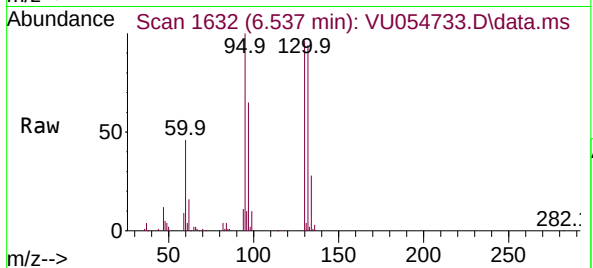
Ion Ratio Lower Upper

95 100

97 64.9 46.8 87.0

132 94.1 68.4 127.0

130 96.0 68.7 127.5



#35

Methylcyclohexane

Concen: 3.700 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

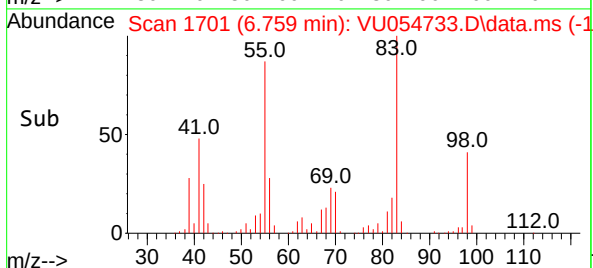
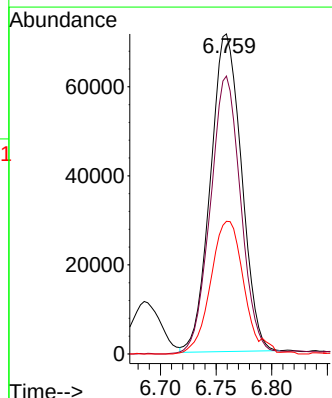
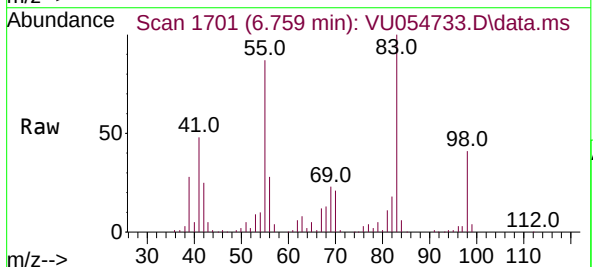
Tgt Ion: 83 Resp: 138483

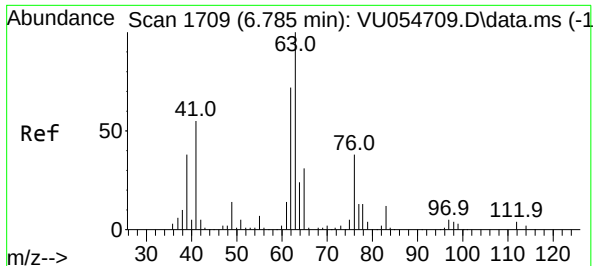
Ion Ratio Lower Upper

83 100

55 86.0 67.1 100.7

98 44.6 35.1 52.7





#37

1,2-Dichloropropane

Concen: 5.005 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

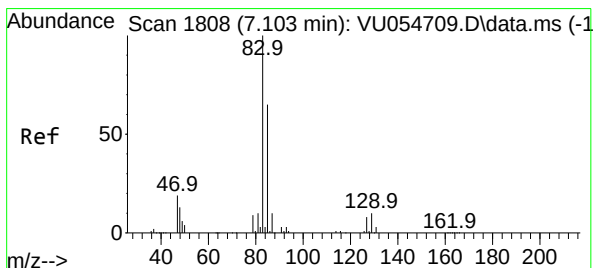
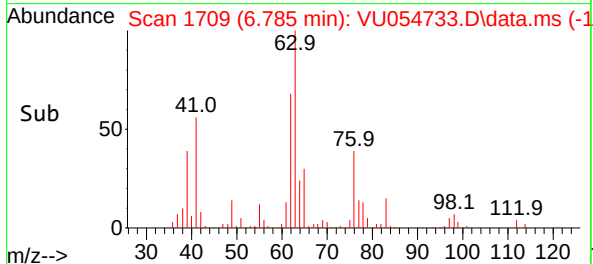
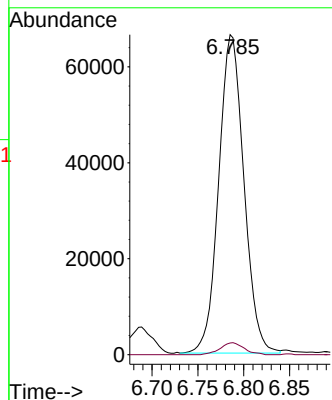
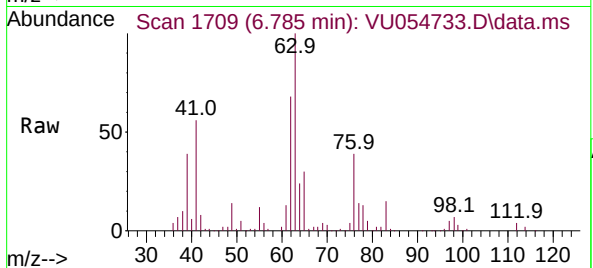
H0FA7MSD

Tgt Ion: 63 Resp: 126723

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.6



#38

Bromodichloromethane

Concen: 5.334 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

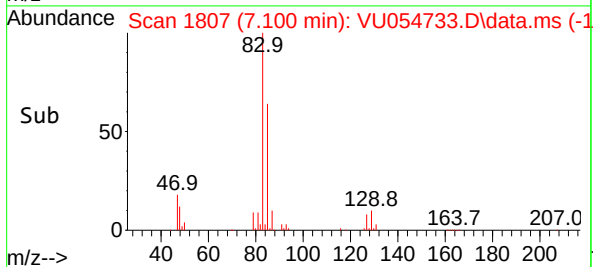
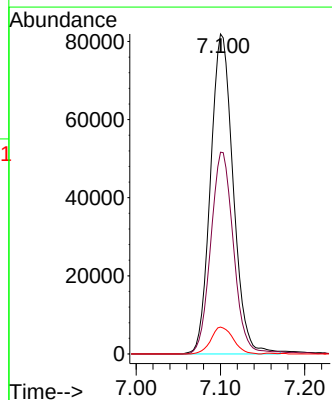
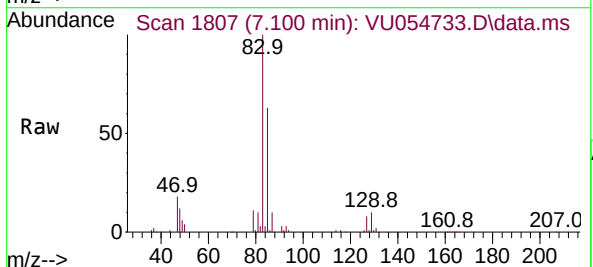
Tgt Ion: 83 Resp: 152870

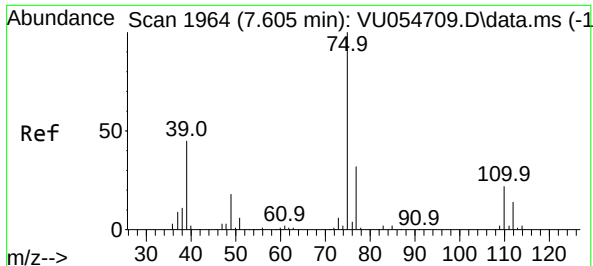
Ion Ratio Lower Upper

83 100

85 63.1 44.1 81.9

127 8.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.739 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

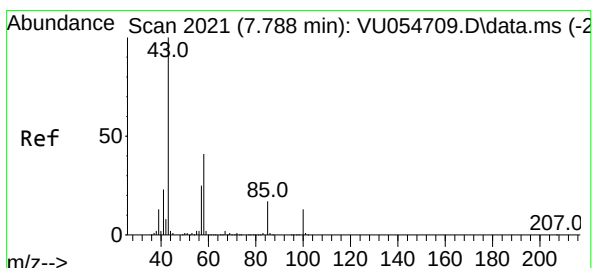
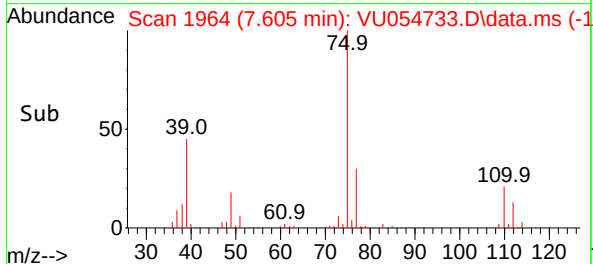
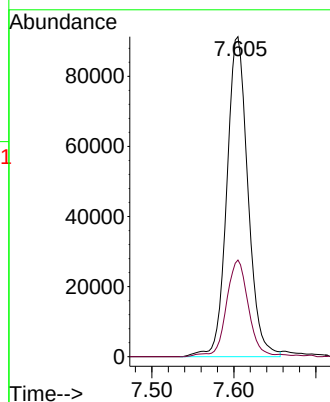
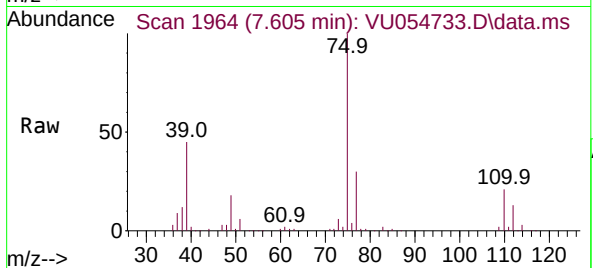
H0FA7MSD

Tgt Ion: 75 Resp: 163813

Ion Ratio Lower Upper

75 100

77 30.2 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 59.555 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

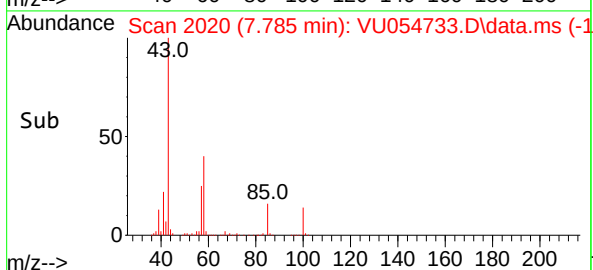
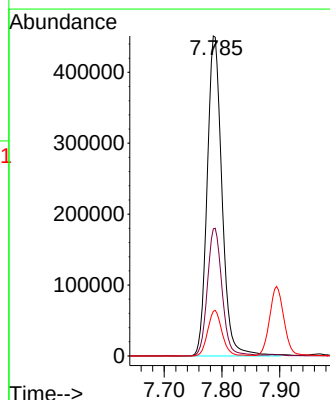
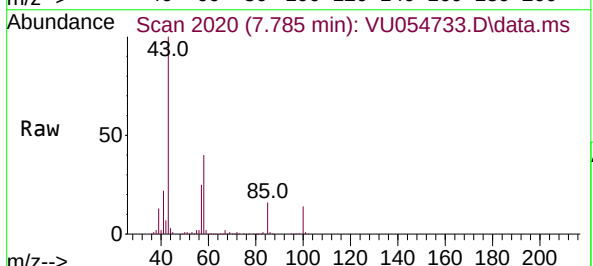
Tgt Ion: 43 Resp: 804730

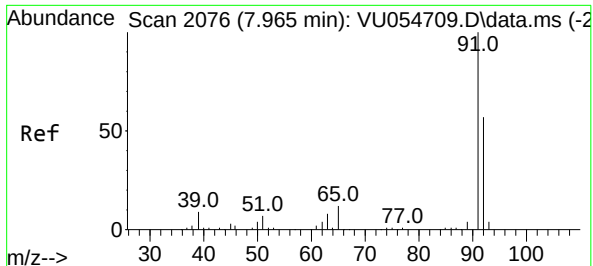
Ion Ratio Lower Upper

43 100

58 39.7 32.4 48.6

100 13.8 11.4 17.2





#42

Toluene

Concen: 4.821 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

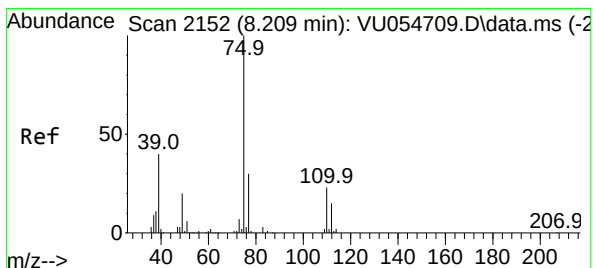
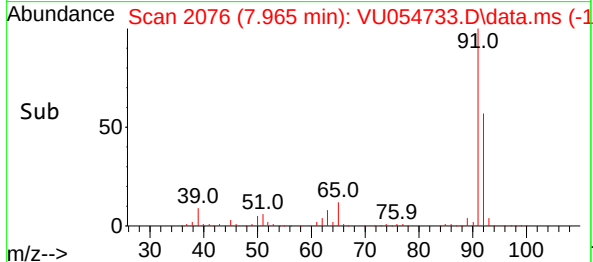
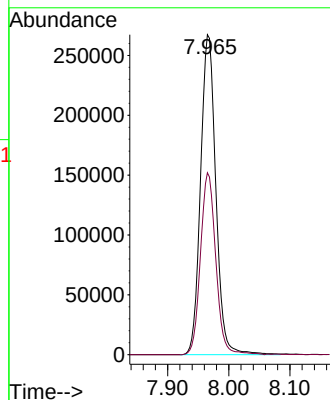
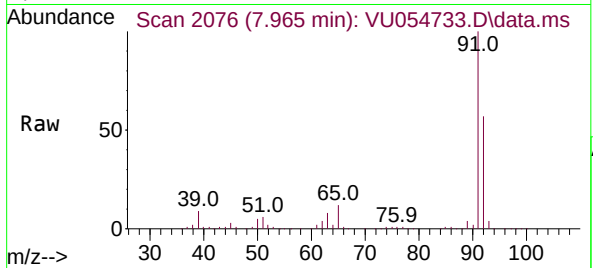
H0FA7MSD

Tgt Ion: 91 Resp: 464919

Ion Ratio Lower Upper

91 100

92 56.9 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.126 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.003 min

Lab File: VU054733.D

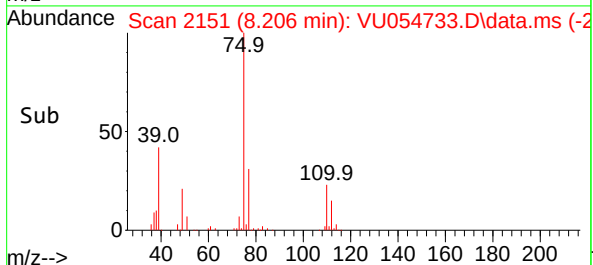
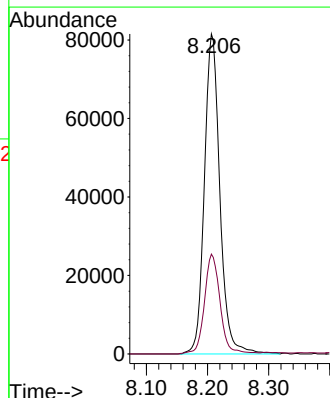
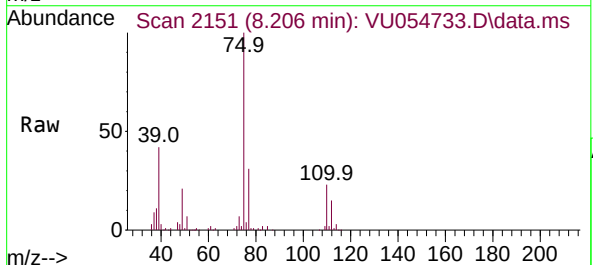
Acq: 30 Jun 2023 19:34

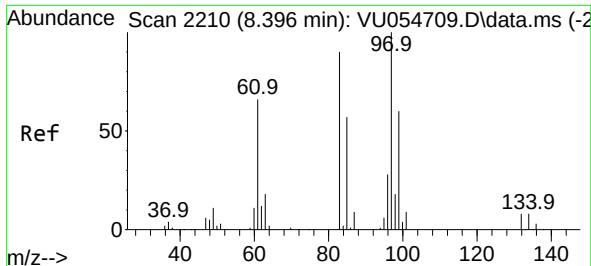
Tgt Ion: 75 Resp: 143803

Ion Ratio Lower Upper

75 100

77 31.2 21.3 39.6

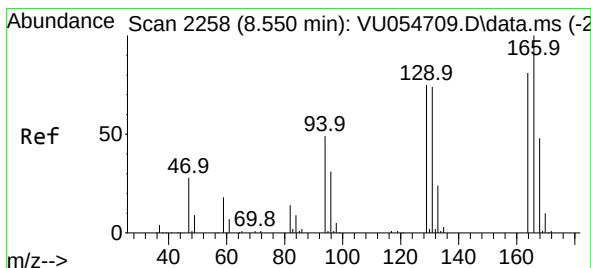
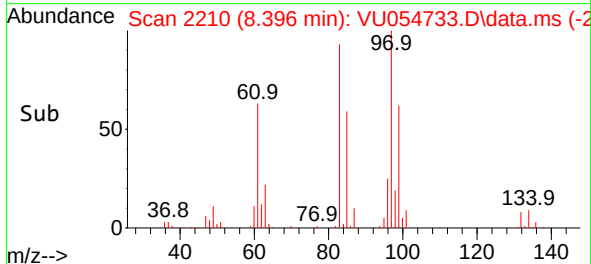
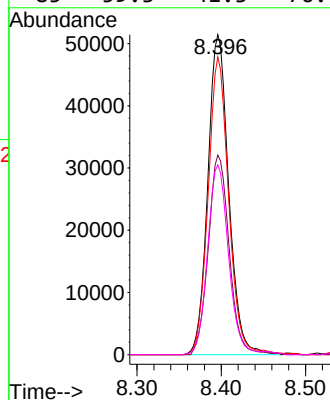
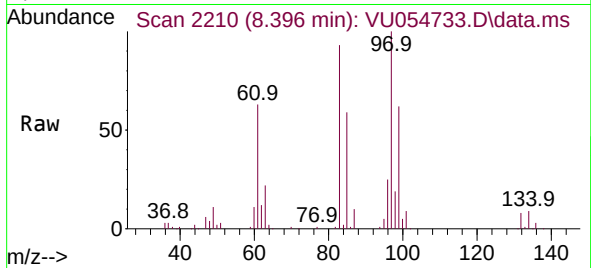




#45
1,1,2-Trichloroethane
Concen: 5.520 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

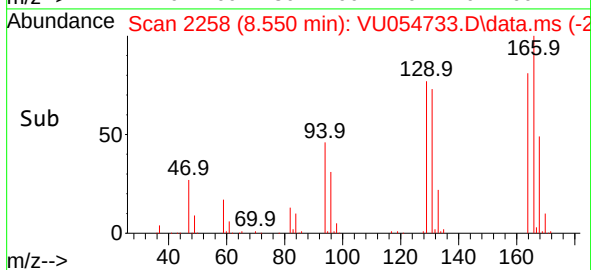
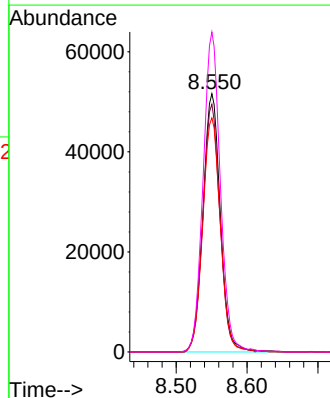
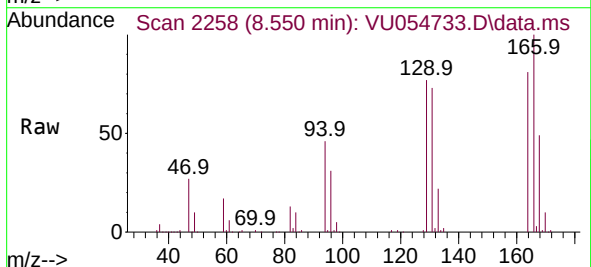
Instrument :
MSVOA_U
ClientSampleId :
H0FA7MSD

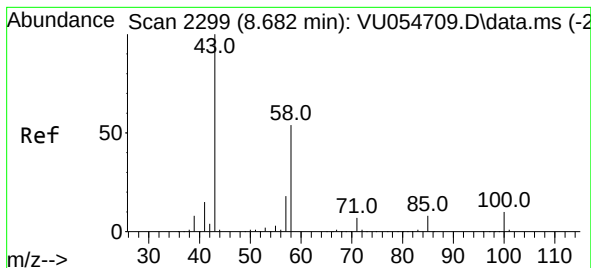
Tgt Ion: 97	Resp: 88913
Ion Ratio	Lower Upper
97 100	
99 62.4	43.0 80.0
83 93.0	63.8 118.6
85 59.3	41.3 76.7



#47
Tetrachloroethene
Concen: 4.629 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Tgt Ion:164	Resp: 87744
Ion Ratio	Lower Upper
164 100	
129 95.9	67.7 125.7
131 90.6	64.6 120.0
166 123.9	88.1 163.7





#48

2-Hexanone

Concen: 58.986 ug/L

RT: 8.679 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

H0FA7MSD

Tgt Ion: 43 Resp: 593880

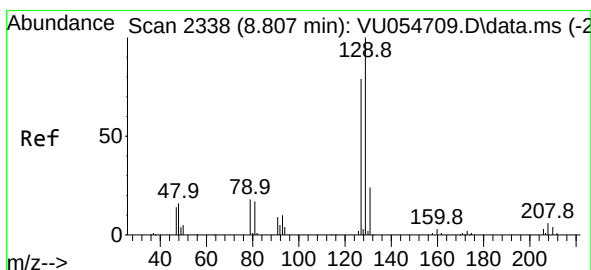
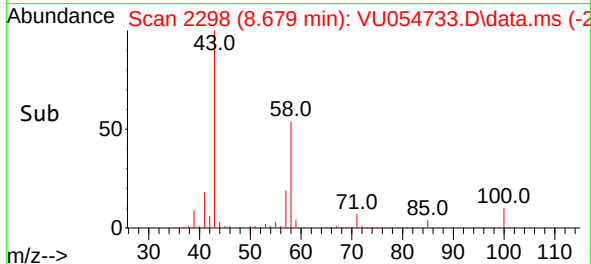
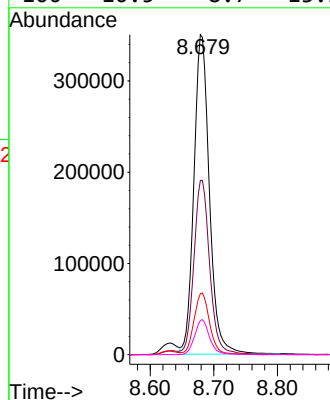
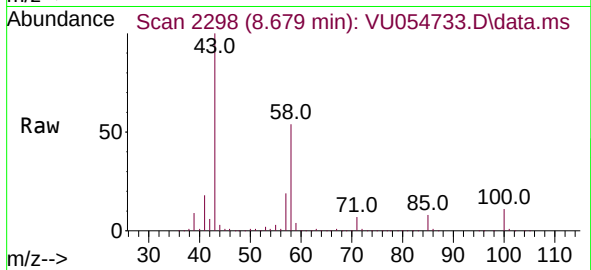
Ion Ratio Lower Upper

43 100

58 55.1 45.2 67.8

57 19.7 15.8 23.6

100 10.5 8.7 13.1



#49

Dibromochloromethane

Concen: 5.621 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. -0.003 min

Lab File: VU054733.D

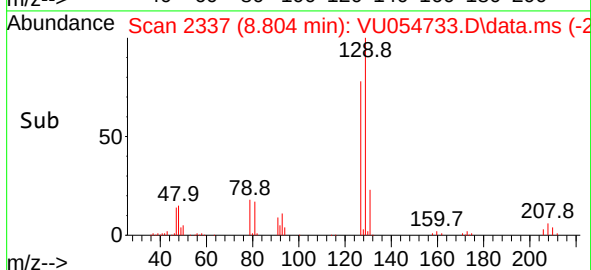
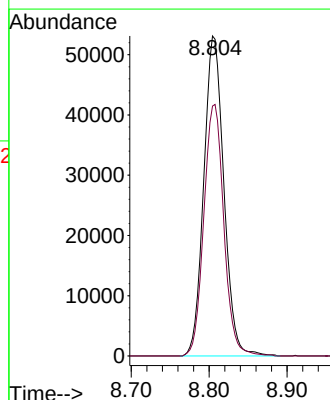
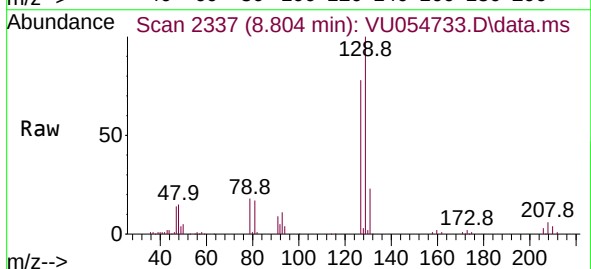
Acq: 30 Jun 2023 19:34

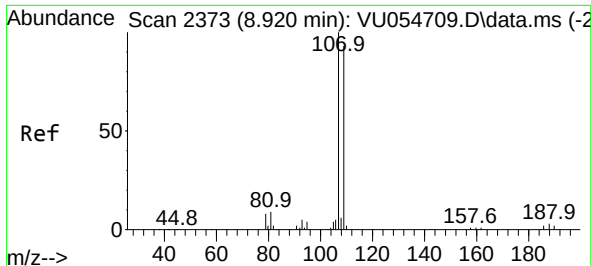
Tgt Ion:129 Resp: 95064

Ion Ratio Lower Upper

129 100

127 78.1 53.2 98.8





#50

1,2-Dibromoethane

Concen: 5.404 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

H0FA7MSD

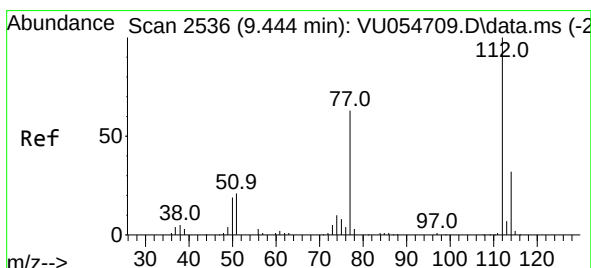
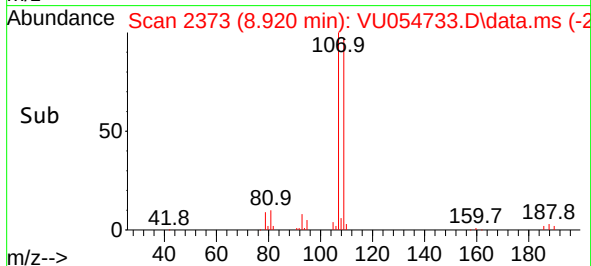
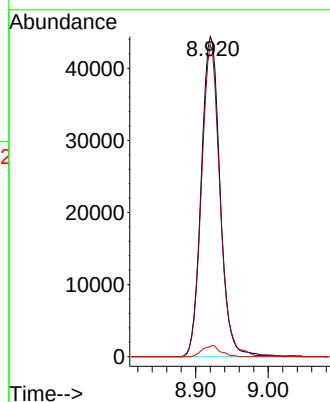
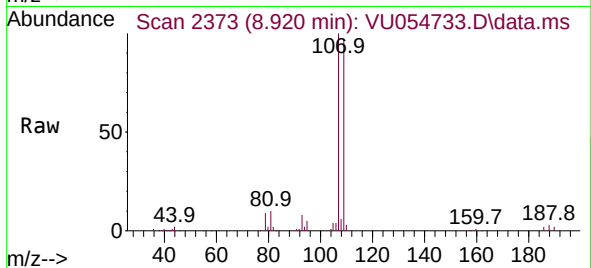
Tgt Ion:107 Resp: 79924

Ion Ratio Lower Upper

107 100

109 97.5 66.6 123.6

188 3.2 3.1 4.7



#51

Chlorobenzene

Concen: 4.787 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

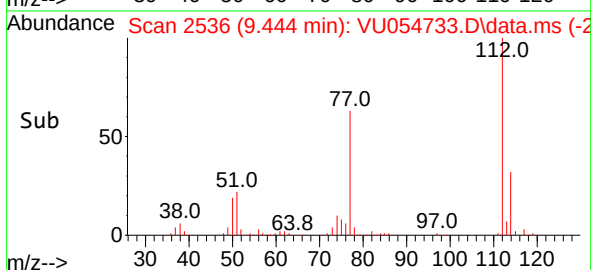
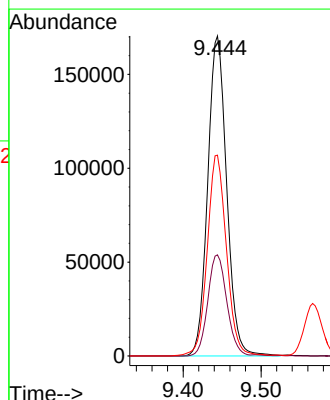
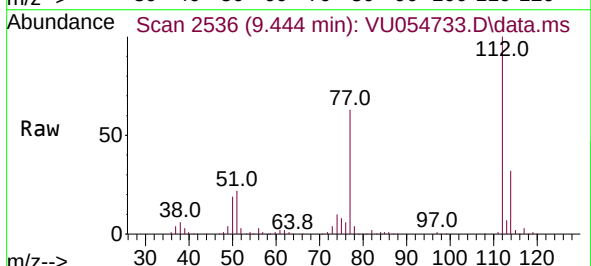
Tgt Ion:112 Resp: 287799

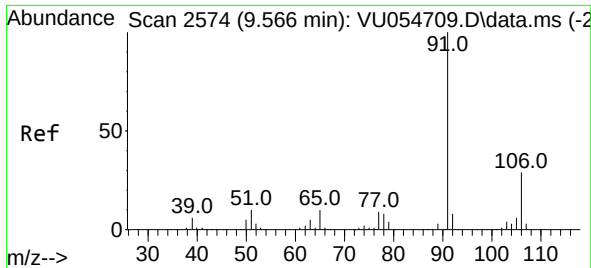
Ion Ratio Lower Upper

112 100

114 31.6 22.7 42.1

77 62.8 49.8 74.8

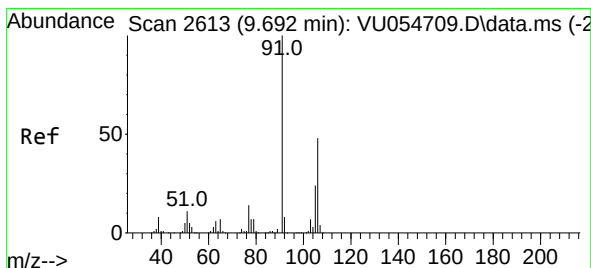
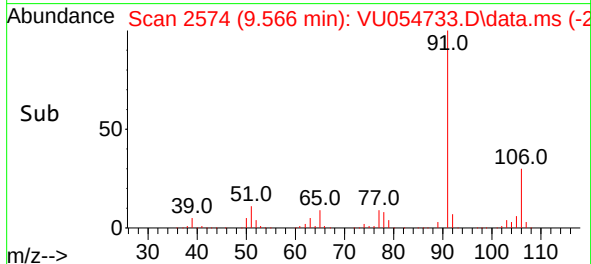
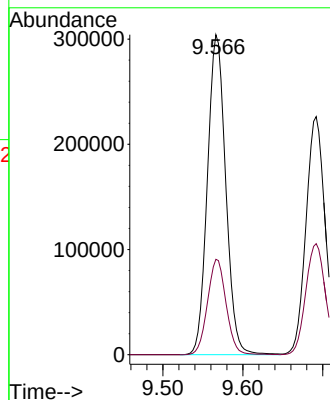
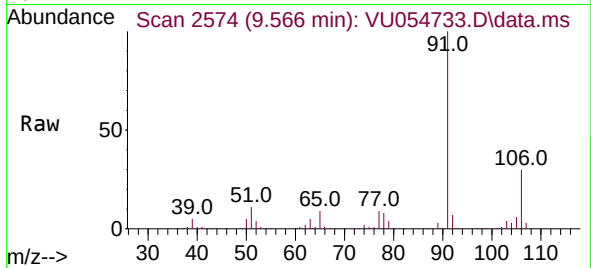




#52
Ethylbenzene
Concen: 4.603 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

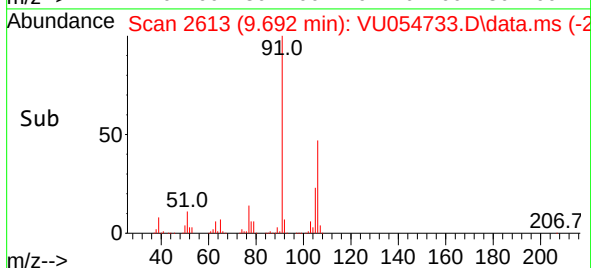
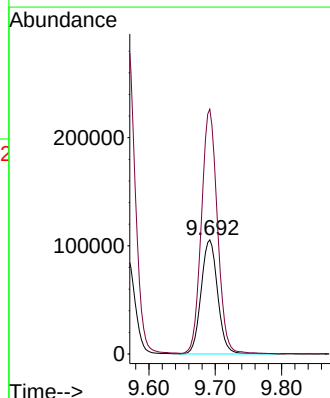
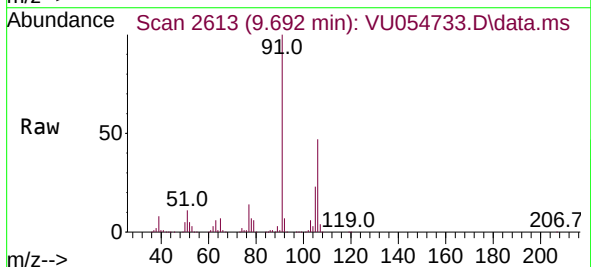
Instrument :
MSVOA_U
ClientSampleId :
H0FA7MSD

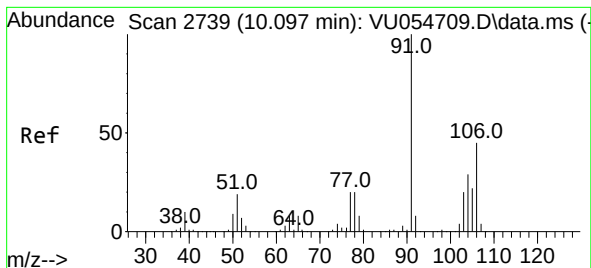
Tgt Ion: 91 Resp: 484847
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.3



#53
m,p-Xylene
Concen: 4.726 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Tgt Ion:106 Resp: 182843
Ion Ratio Lower Upper
106 100
91 214.5 147.0 273.0





#54

o-Xylene

Concen: 4.768 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

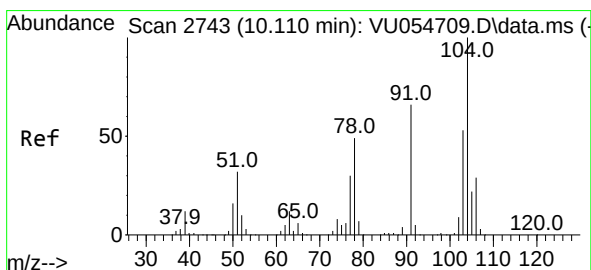
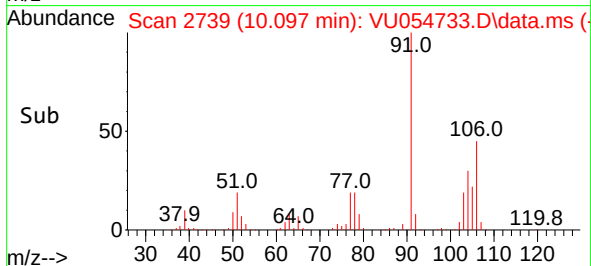
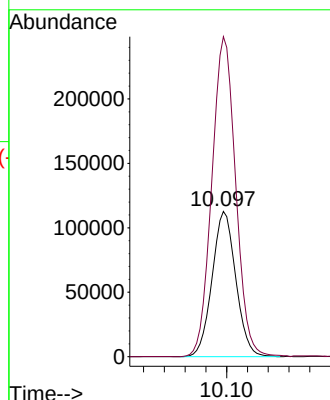
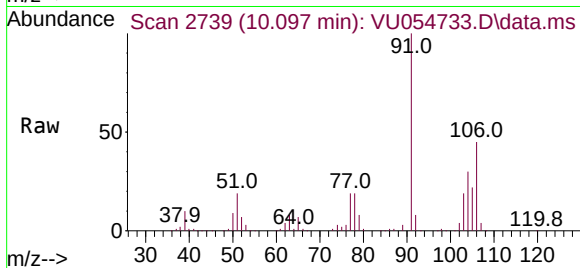
H0FA7MSD

Tgt Ion:106 Resp: 178385

Ion Ratio Lower Upper

106 100

91 220.2 154.5 286.9



#55

Styrene

Concen: 4.942 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU054733.D

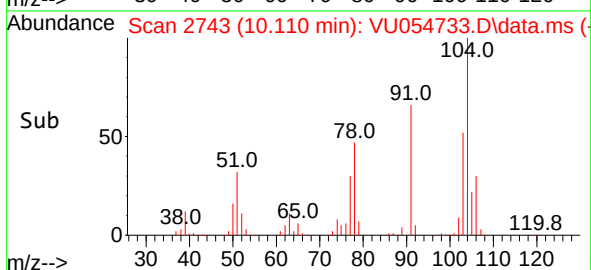
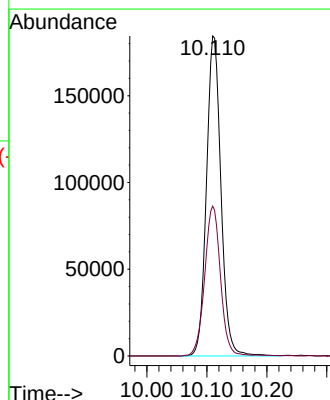
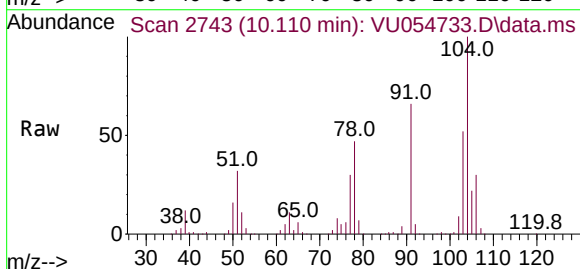
Acq: 30 Jun 2023 19:34

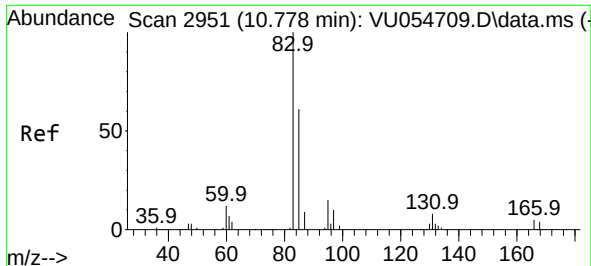
Tgt Ion:104 Resp: 310378

Ion Ratio Lower Upper

104 100

78 46.8 33.0 61.4

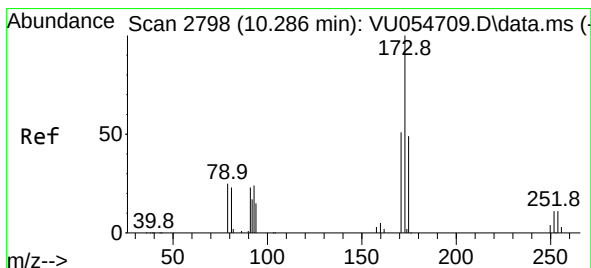
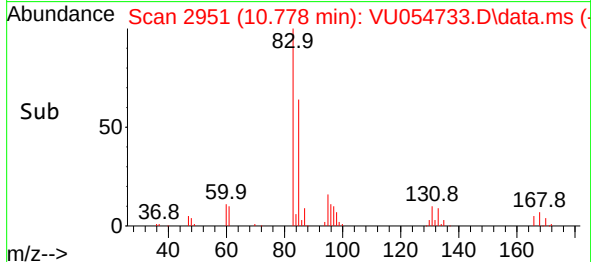
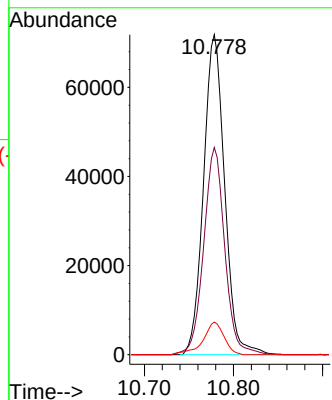
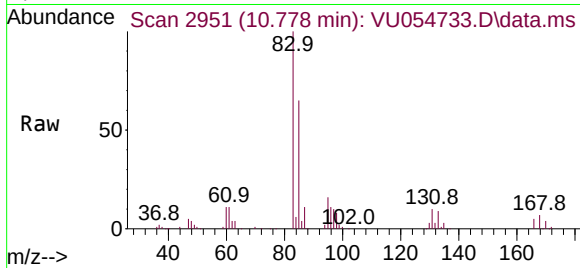




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.767 ug/L
 RT: 10.778 min Scan# 2951
 Delta R.T. 0.000 min
 Lab File: VU054733.D
 Acq: 30 Jun 2023 19:34

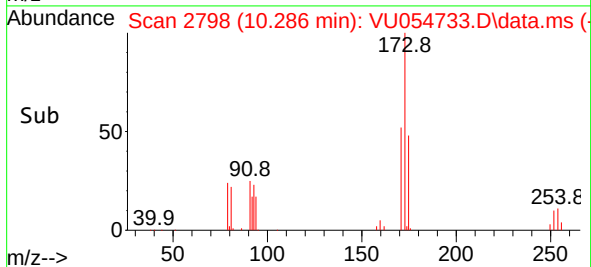
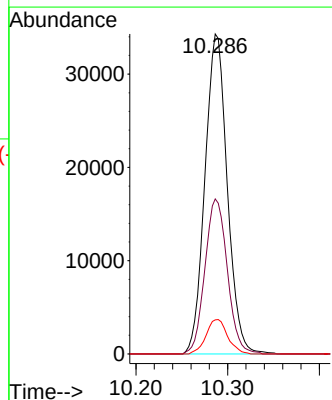
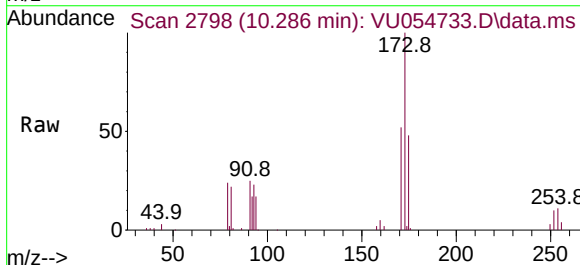
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FA7MSD

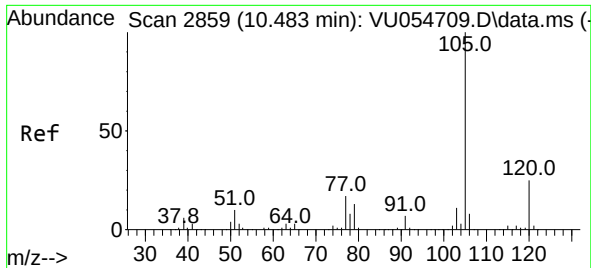
Tgt Ion: 83 Resp: 118000
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.2 82.2
 131 10.2 7.0 10.6



#59
 Bromoform
 Concen: 5.936 ug/L
 RT: 10.286 min Scan# 2798
 Delta R.T. 0.000 min
 Lab File: VU054733.D
 Acq: 30 Jun 2023 19:34

Tgt Ion: 173 Resp: 58055
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.4 59.0
 254 10.4 8.6 12.8

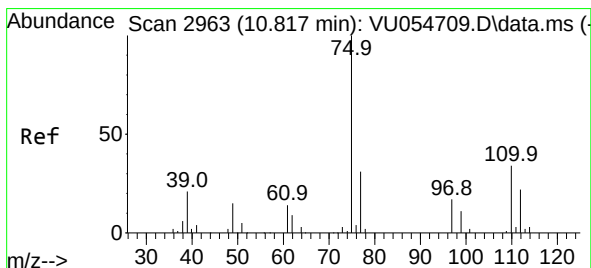
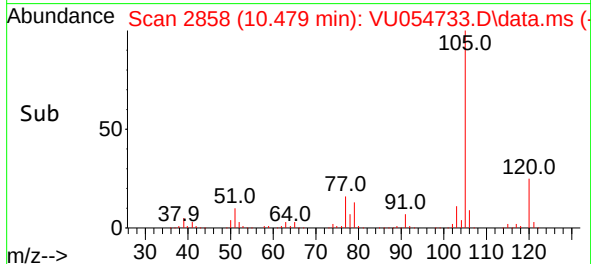
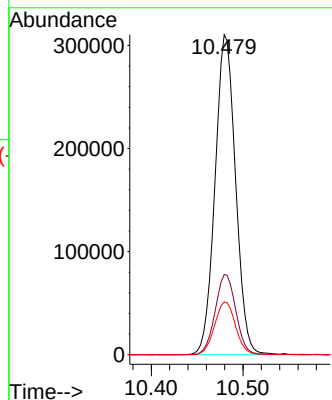
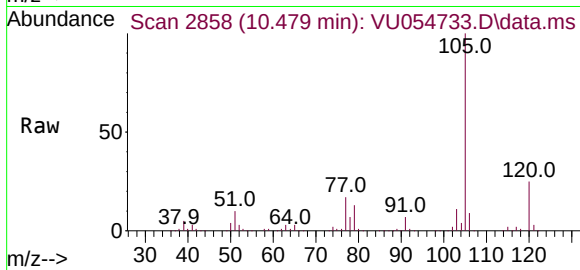




#60
Isopropylbenzene
Concen: 4.839 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

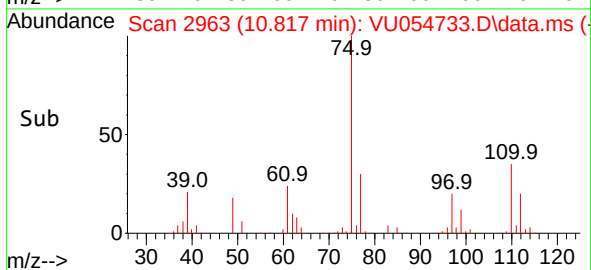
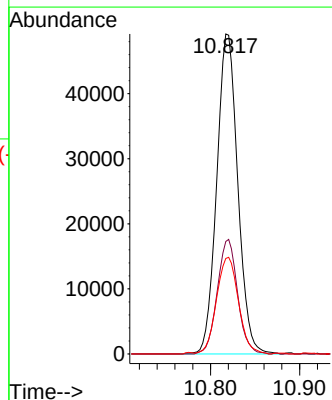
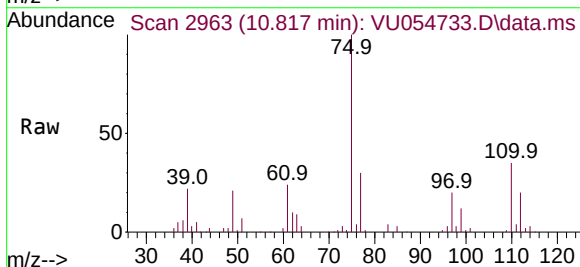
Instrument :
MSVOA_U
ClientSampleId :
H0FA7MSD

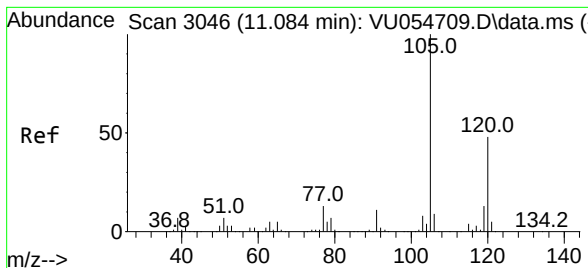
Tgt Ion:105 Resp: 482290
Ion Ratio Lower Upper
105 100
120 25.2 20.9 31.3
77 16.8 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.864 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Tgt Ion: 75 Resp: 80738
Ion Ratio Lower Upper
75 100
110 34.5 28.0 42.0
77 31.5 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 4.644 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

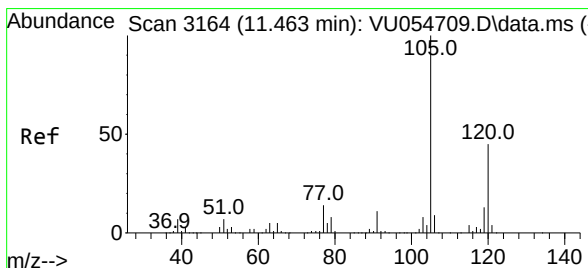
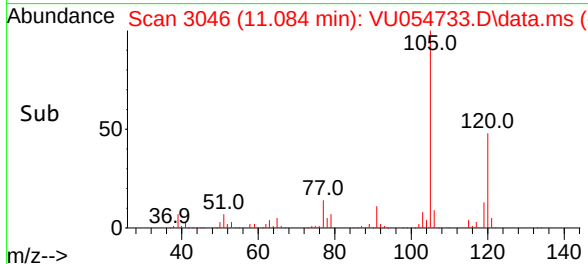
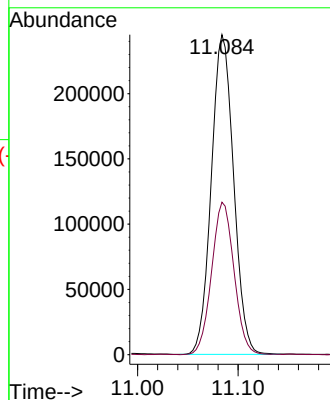
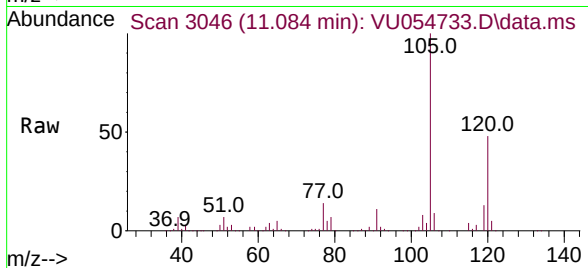
H0FA7MSD

Tgt Ion:105 Resp: 377637

Ion Ratio Lower Upper

105 100

120 48.0 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 4.728 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU054733.D

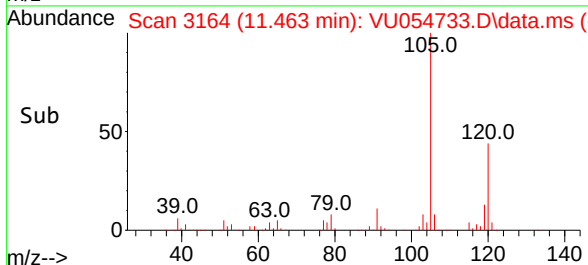
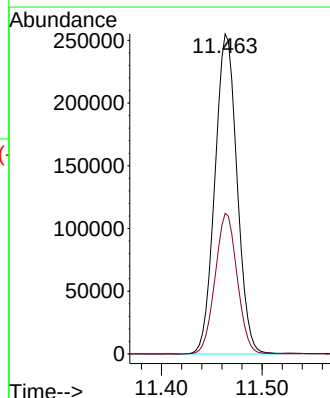
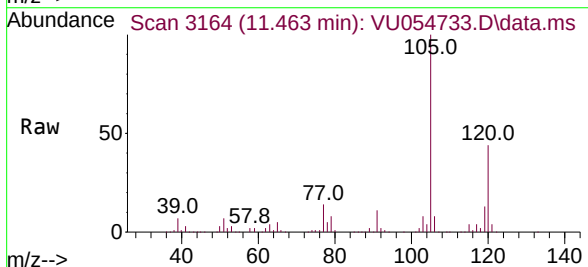
Acq: 30 Jun 2023 19:34

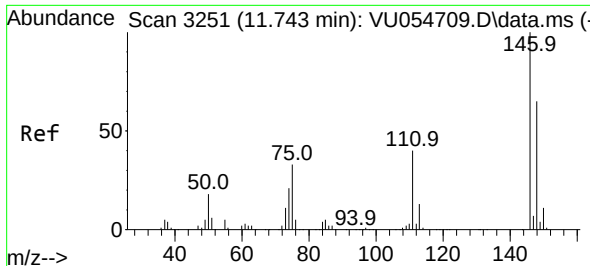
Tgt Ion:105 Resp: 390513

Ion Ratio Lower Upper

105 100

120 43.8 35.4 53.0

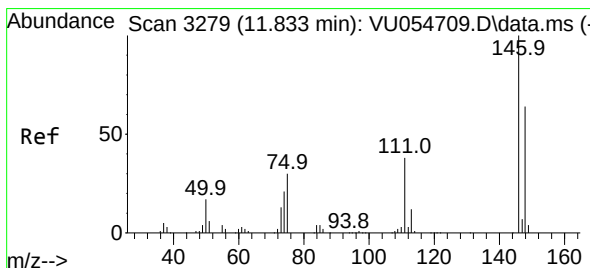
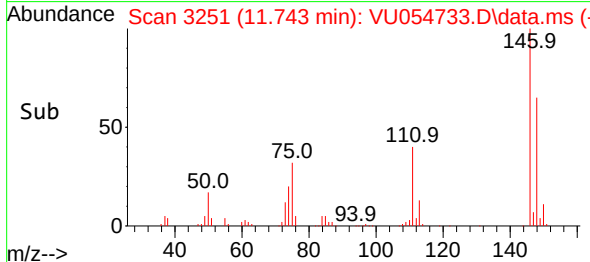
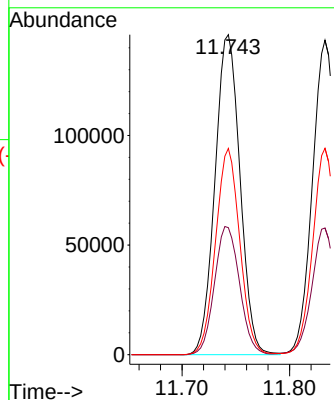
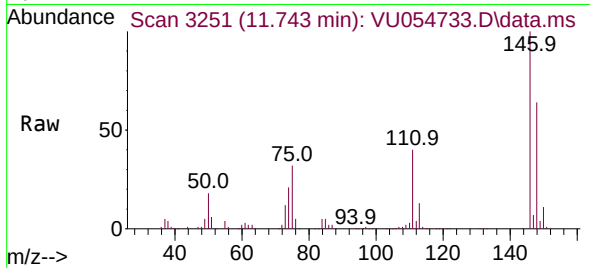




#64
1,3-Dichlorobenzene
Concen: 5.071 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

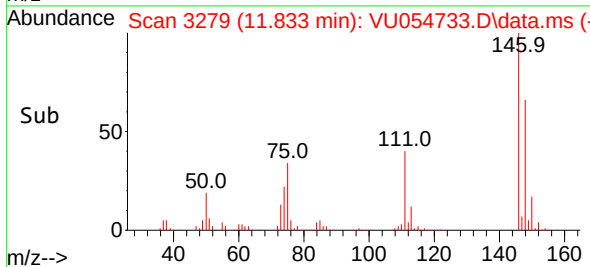
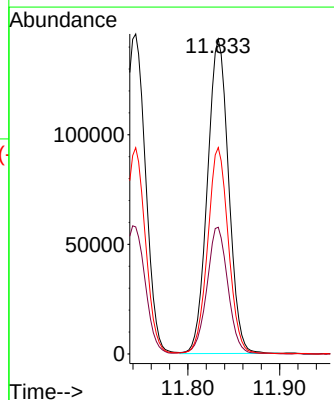
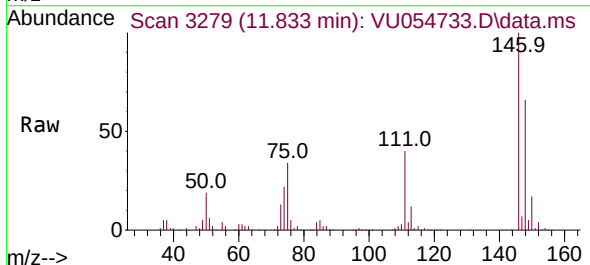
Instrument :
MSVOA_U
ClientSampleId :
H0FA7MSD

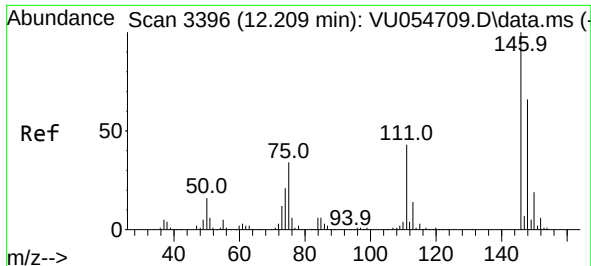
Tgt Ion:146 Resp: 236217
Ion Ratio Lower Upper
146 100
111 39.7 28.9 53.7
148 64.5 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.934 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Tgt Ion:146 Resp: 230671
Ion Ratio Lower Upper
146 100
111 40.3 28.0 52.0
148 65.6 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.128 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

H0FA7MSD

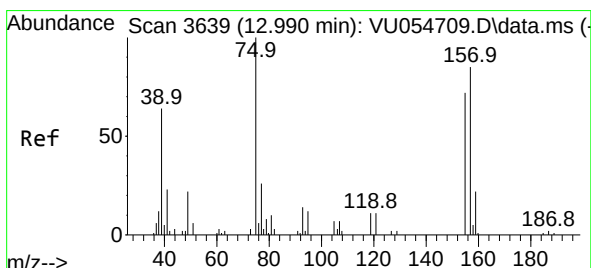
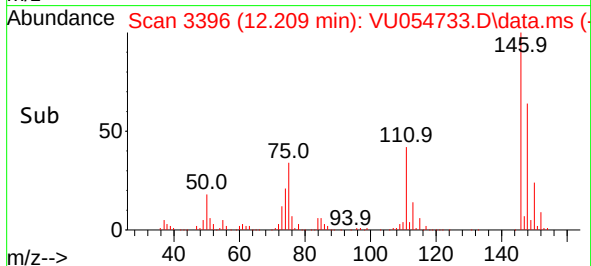
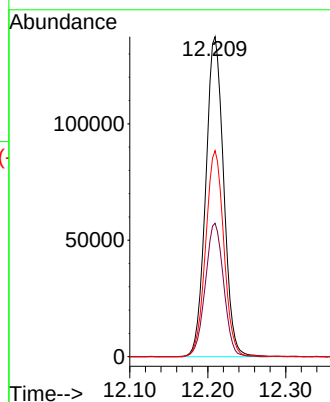
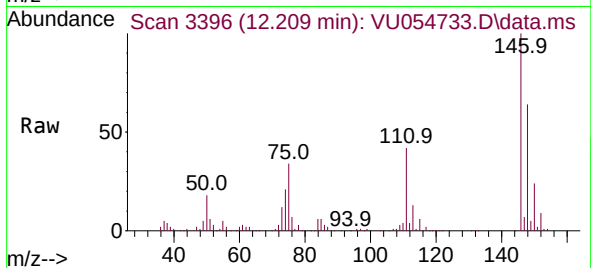
Tgt Ion:146 Resp: 219695

Ion Ratio Lower Upper

146 100

111 41.7 34.5 51.7

148 64.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 6.231 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU054733.D

Acq: 30 Jun 2023 19:34

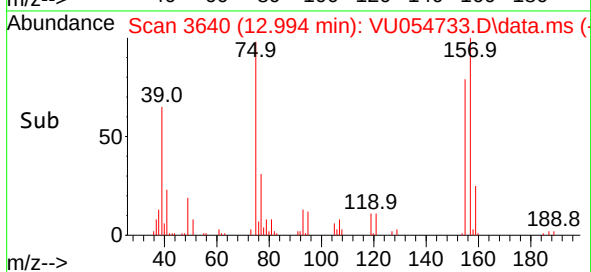
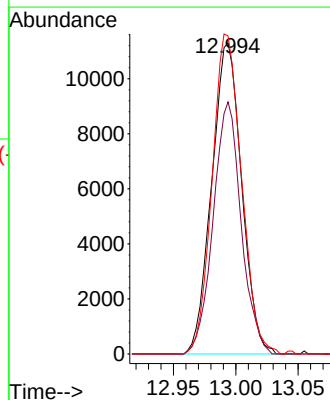
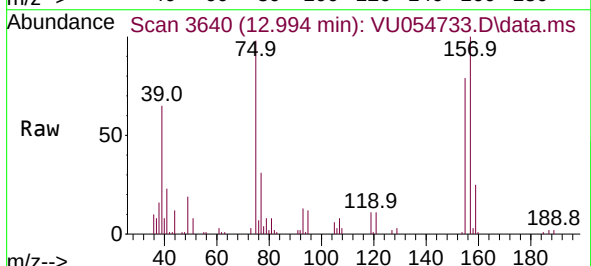
Tgt Ion: 75 Resp: 18854

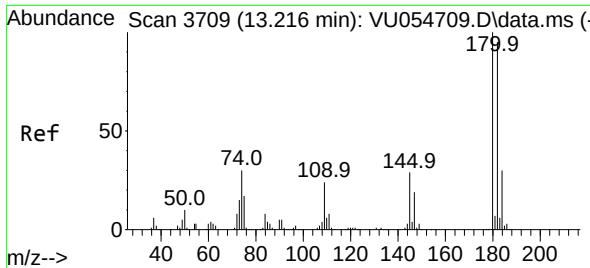
Ion Ratio Lower Upper

75 100

155 81.0 65.7 98.5

157 102.2 84.2 126.2

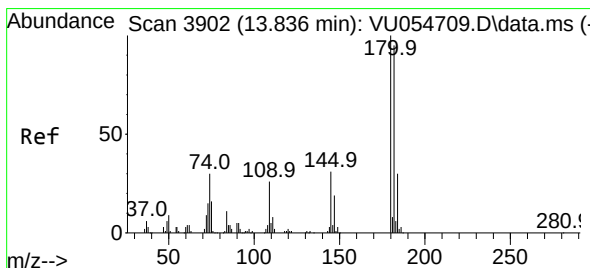
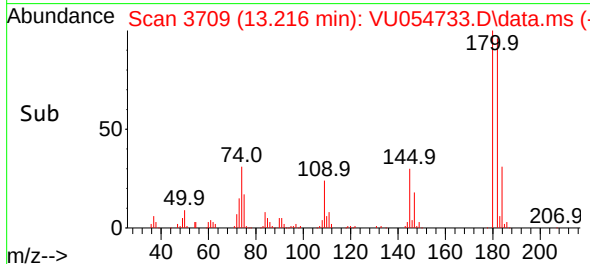
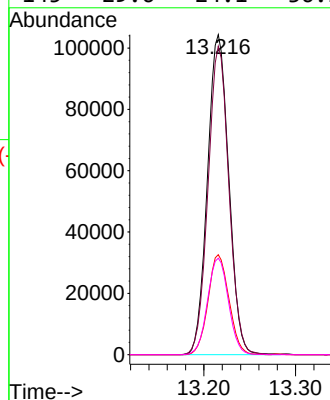
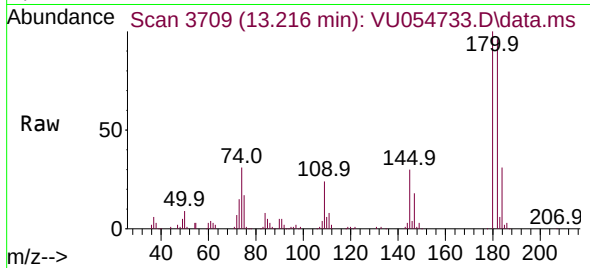




#69
 1,3,5-Trichlorobenzene
 Concen: 4.795 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU054733.D
 Acq: 30 Jun 2023 19:34

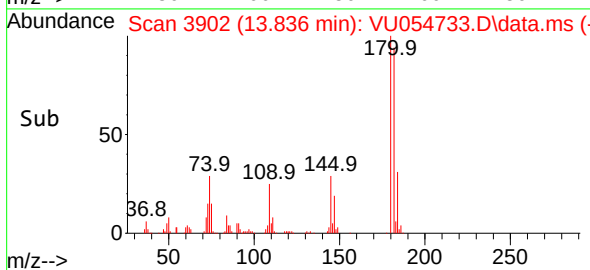
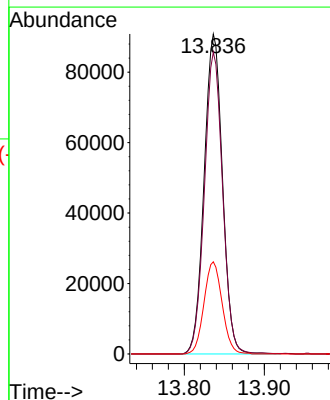
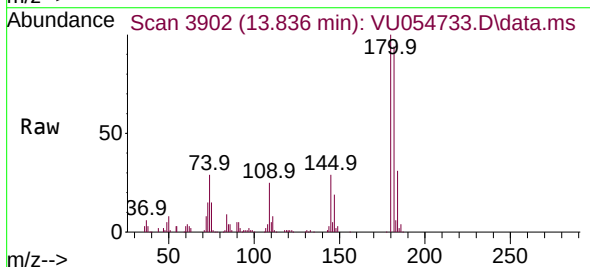
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FA7MSD

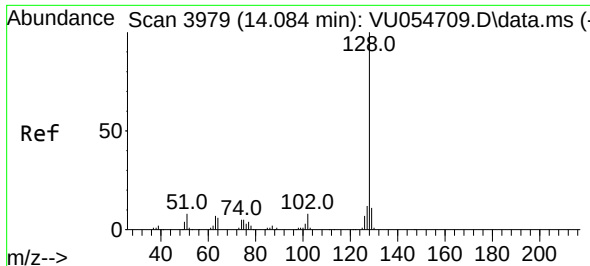
Tgt Ion:	180	Resp:	168526
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.0	112.6
184	30.7	24.1	36.1
145	29.6	24.1	36.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.989 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU054733.D
 Acq: 30 Jun 2023 19:34

Tgt Ion:	180	Resp:	145024
Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.6	114.8
145	28.5	24.0	36.0

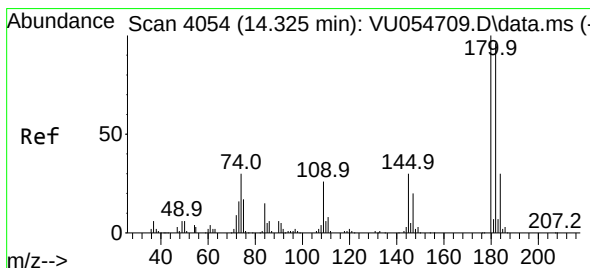
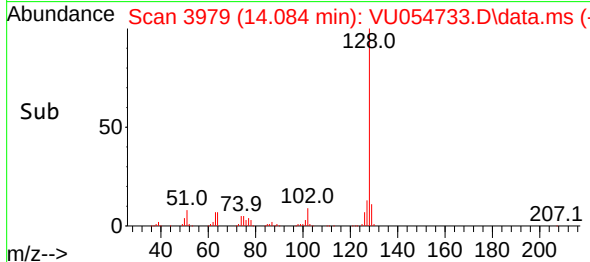
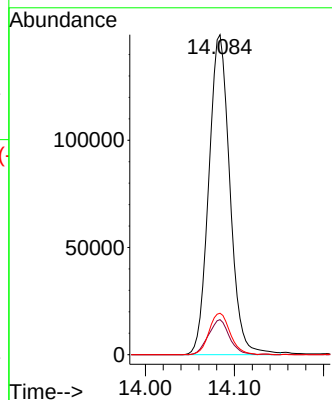
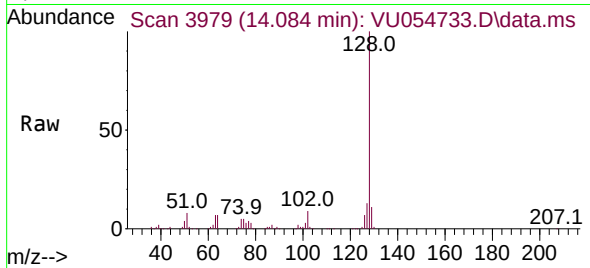




#71
Naphthalene
Concen: 5.184 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Instrument :
MSVOA_U
ClientSampleId :
H0FA7MSD

Tgt Ion:	128	Resp:	245021
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	13.0	10.6	15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.395 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU054733.D
Acq: 30 Jun 2023 19:34

Tgt Ion:	180	Resp:	134726
Ion Ratio	Lower	Upper	
180	100		
182	96.1	75.4	113.2
145	31.5	26.0	39.0

