

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091523\
 Data File : VU055341.D
 Acq On : 15 Sep 2023 15:34
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 16 00:36:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 16 00:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	231649	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	230517	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	124458	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	66620	5.004	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 100.000%	
7) Chloroethane-d5	1.907	69	82676	5.501	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 110.000%	
11) 1,1-Dichloroethene-d2	2.554	65	24851	5.160	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 103.200%	
20) 2-Butanone-d5	4.637	46	214765	58.331	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 116.660%	
24) Chloroform-d	5.058	84	159485	5.363	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 107.200%	
26) 1,2-Dichloroethane-d4	5.698	65	80618	5.373	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 107.400%	
32) Benzene-d6	5.721	84	282184	5.840	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 116.800%	
36) 1,2-Dichloropropane-d6	6.685	67	93723	5.692	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 113.800%	
41) Toluene-d8	7.894	98	238247	5.719	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 114.400%	
43) trans-1,3-Dichloroprop...	8.177	79	33322	5.703	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 114.000%	
46) 2-Hexanone-d5	8.640	63	144601	68.029	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 136.060%#	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	82063	5.731	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 114.600%	
66) 1,2-Dichlorobenzene-d4	12.193	152	92834	5.792	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 115.800%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	102663	4.644	ug/L	98
3) Chloromethane	1.518	50	100798	4.739	ug/L	96
5) Vinyl chloride	1.602	62	107301	4.671	ug/L	98
6) Bromomethane	1.856	94	79685	4.548	ug/L	96
8) Chloroethane	1.930	64	100329	5.430	ug/L	97
9) Trichlorofluoromethane	2.123	101	250499	6.816	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	85202	4.648	ug/L	97
12) 1,1-Dichloroethene	2.567	96	80048	4.915	ug/L	94
13) Acetone	2.647	43	117052	49.299	ug/L	99
14) Carbon disulfide	2.779	76	239480	4.651	ug/L	99
15) Methyl Acetate	2.952	43	29291	5.226	ug/L	93
16) Methylene chloride	3.036	84	103410	4.261	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	203595	5.214	ug/L	97
18) trans-1,2-Dichloroethene	3.345	96	88957	4.967	ug/L	98
19) 1,1-Dichloroethane	3.859	63	173457	4.979	ug/L	97
21) 2-Butanone	4.714	43	197093	50.141	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	103832	4.951	ug/L	98
23) Bromochloromethane	4.968	128	43821	5.140	ug/L	96
25) Chloroform	5.081	83	181102	4.801	ug/L	98

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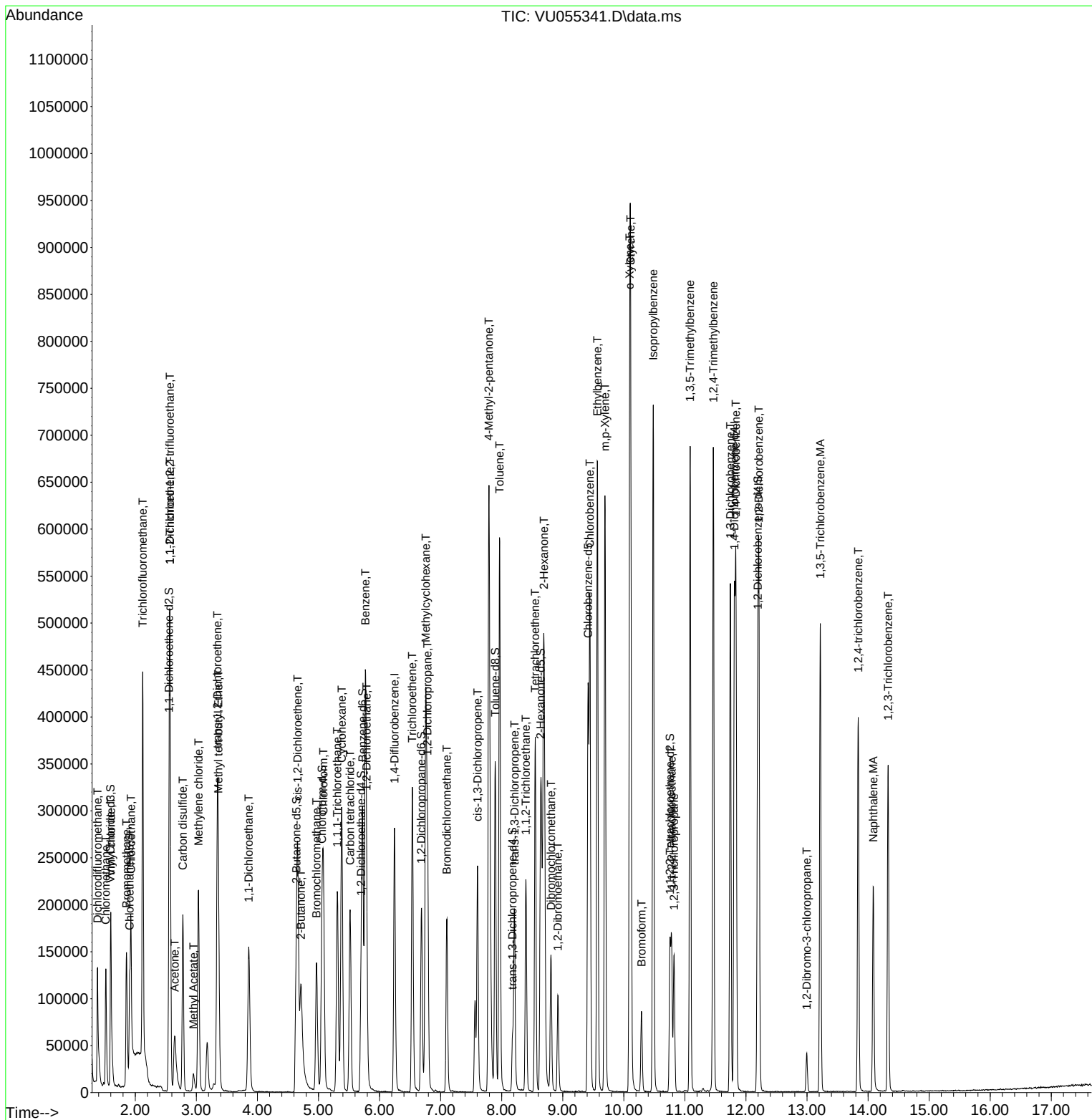
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 ClientSampleId :

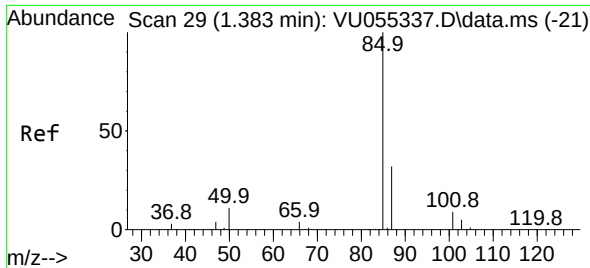
Quant Time: Sep 16 00:36:20 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	112846	4.825	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	154487	5.274	ug/L	99
30) Cyclohexane	5.380	56	147796	5.345	ug/L	96
31) Carbon tetrachloride	5.518	117	128588	5.161	ug/L	99
33) Benzene	5.769	78	402581	5.276	ug/L	100
34) Trichloroethene	6.537	95	108898	5.015	ug/L	94
35) Methylcyclohexane	6.759	83	167181	5.296	ug/L	99
37) 1,2-Dichloropropane	6.785	63	103594	5.170	ug/L	99
38) Bromodichloromethane	7.103	83	121272	5.072	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	143850	5.283	ug/L	100
40) 4-Methyl-2-pentanone	7.791	43	517123	54.389	ug/L	98
42) Toluene	7.965	91	436246	5.218	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	113066	5.295	ug/L	94
45) 1,1,2-Trichloroethane	8.396	97	72817	5.243	ug/L	95
47) Tetrachloroethene	8.550	164	78234	5.256	ug/L	97
48) 2-Hexanone	8.692	43	420270	58.650	ug/L	97
49) Dibromochloromethane	8.807	129	73982	5.206	ug/L	100
50) 1,2-Dibromoethane	8.920	107	67468	5.209	ug/L	98
51) Chlorobenzene	9.444	112	276881	5.134	ug/L	98
52) Ethylbenzene	9.566	91	475228	5.176	ug/L	99
53) m,p-Xylene	9.692	106	186005	5.356	ug/L	100
54) o-Xylene	10.097	106	180678	5.484	ug/L	98
55) Styrene	10.113	104	294870	5.359	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.782	83	79521	5.206	ug/L	97
59) Bromoform	10.290	173	38131	5.263	ug/L	98
60) Isopropylbenzene	10.483	105	477006	5.249	ug/L	99
61) 1,2,3-Trichloropropane	10.823	75	62436	5.180	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	376586	5.391	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	388349	5.476	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	215468	5.147	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	211972	5.181	ug/L	98
67) 1,2-Dichlorobenzene	12.212	146	197983	5.275	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	10114	4.907	ug/L	91
69) 1,3,5-Trichlorobenzene	13.219	180	146425	5.134	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	113445	5.183	ug/L	100
71) Naphthalene	14.087	128	179189	5.693	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	101117	5.336	ug/L	98

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

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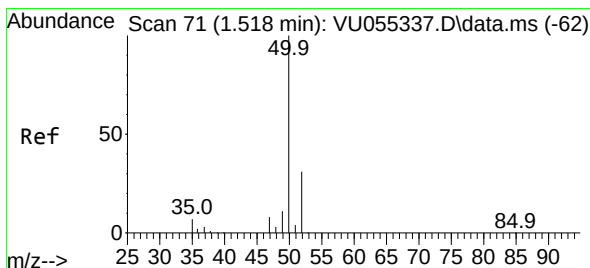
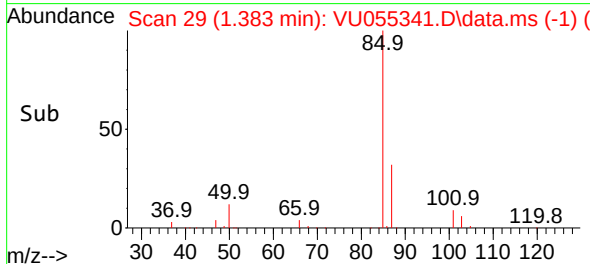
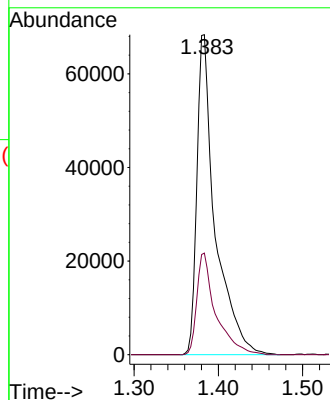
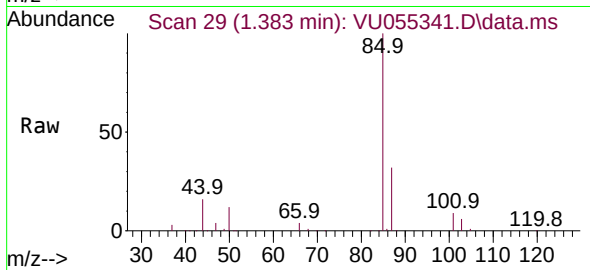




#2
 Dichlorodifluoromethane
 Concen: 4.644 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055341.D
 Acq: 15 Sep 2023 15:34

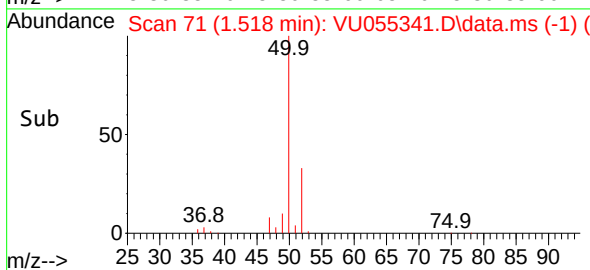
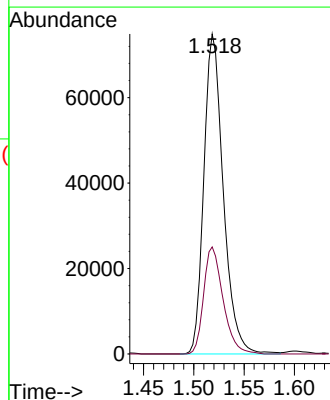
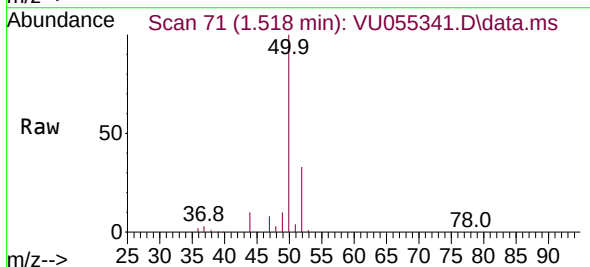
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 ClientSampleId :

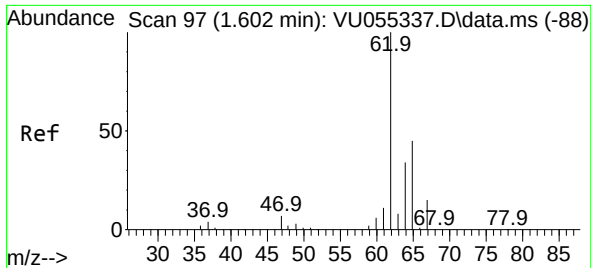
Tgt Ion: 85 Resp: 102663
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.3 37.9



#3
 Chloromethane
 Concen: 4.739 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU055341.D
 Acq: 15 Sep 2023 15:34

Tgt Ion: 50 Resp: 100798
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.0 40.8

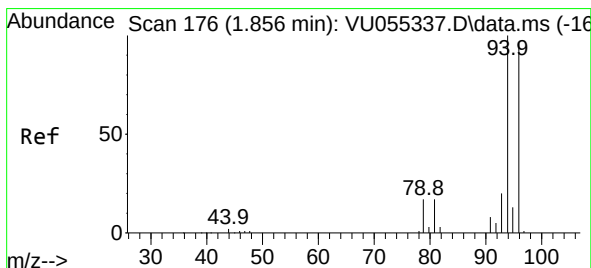
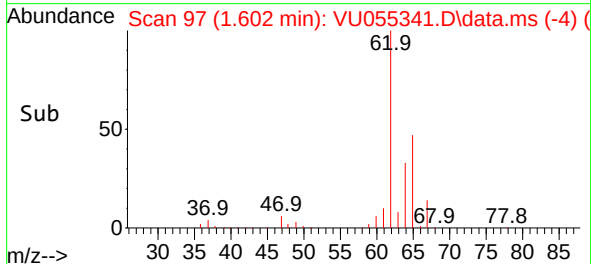
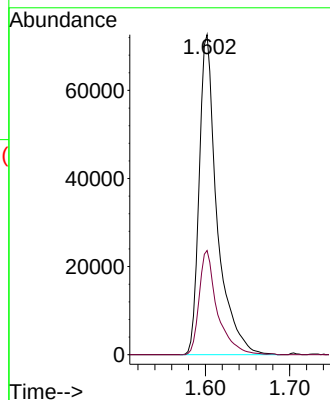
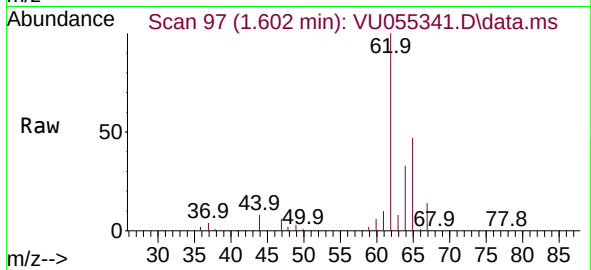




#5
 Vinyl chloride
 Concen: 4.671 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055341.D
 Acq: 15 Sep 2023 15:34

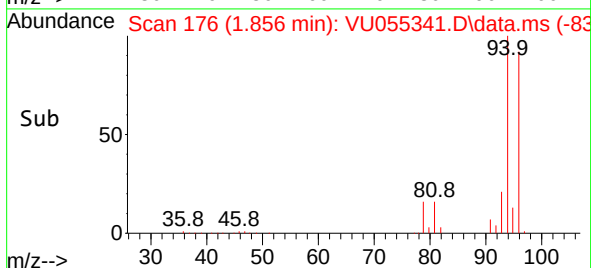
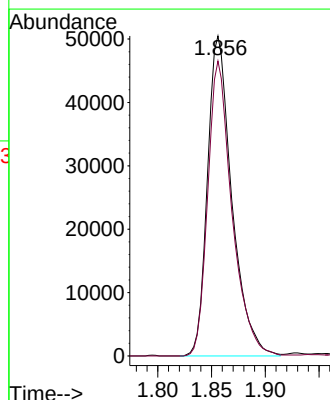
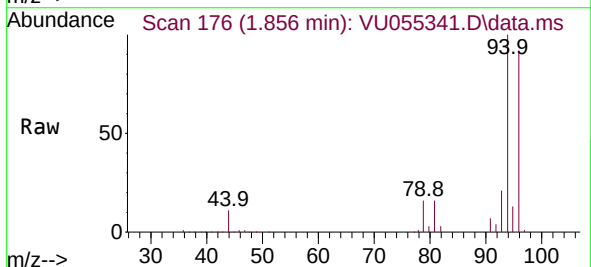
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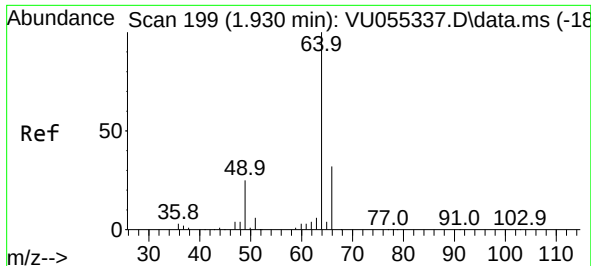
Tgt Ion: 62 Resp: 107301
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.4 43.6



#6
 Bromomethane
 Concen: 4.548 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU055341.D
 Acq: 15 Sep 2023 15:34

Tgt Ion: 94 Resp: 79685
 Ion Ratio Lower Upper
 94 100
 96 92.1 66.9 124.3

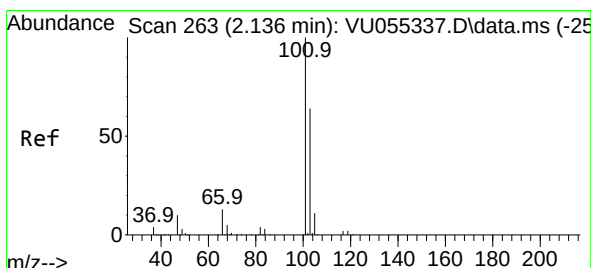
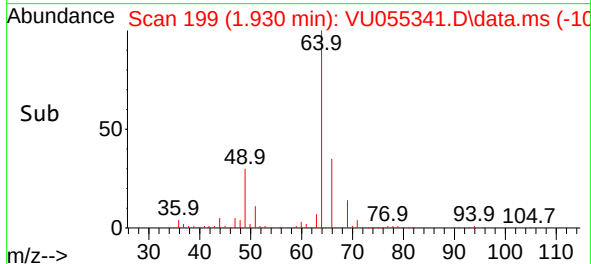
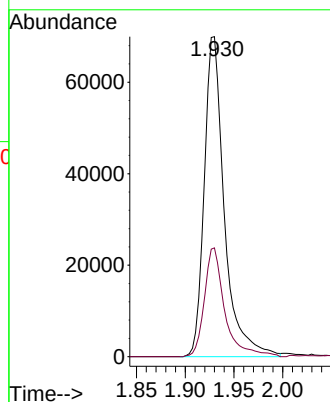
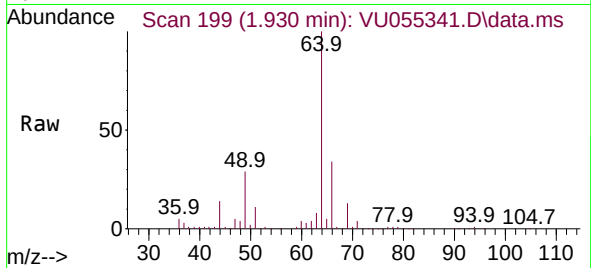




#8
Chloroethane
Concen: 5.430 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

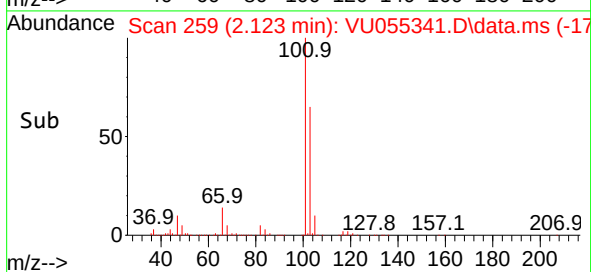
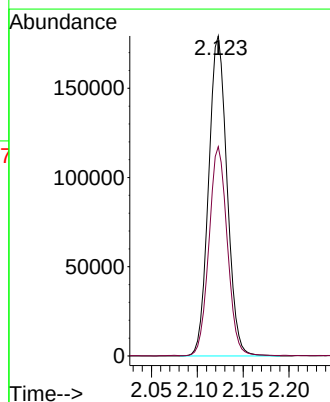
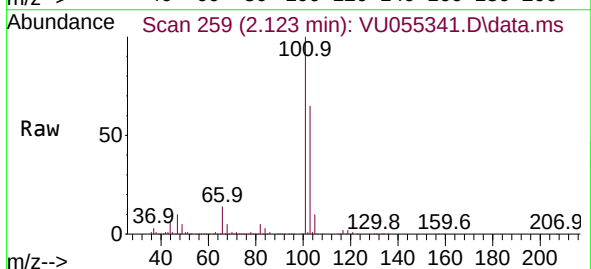
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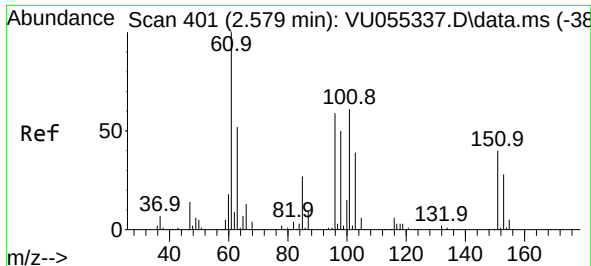
Tgt Ion: 64 Resp: 100329
Ion Ratio Lower Upper
64 100
66 34.0 22.7 42.1



#9
Trichlorofluoromethane
Concen: 6.816 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.013 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

Tgt Ion:101 Resp: 250499
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8

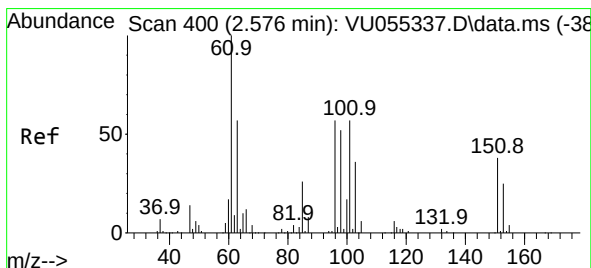
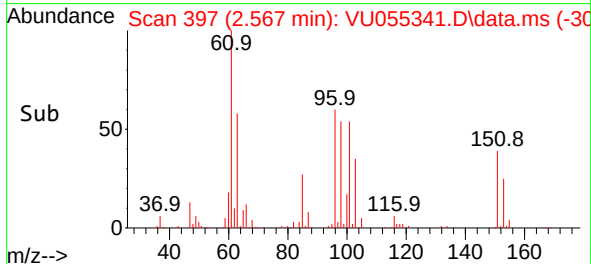
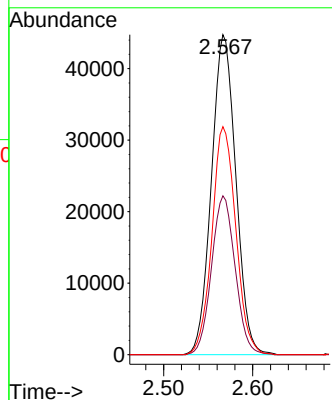
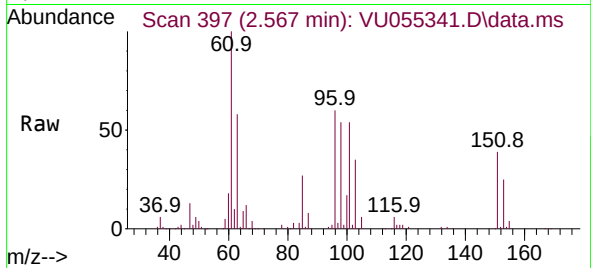




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.648 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.013 min
 Lab File: VU055341.D
 Acq: 15 Sep 2023 15:34

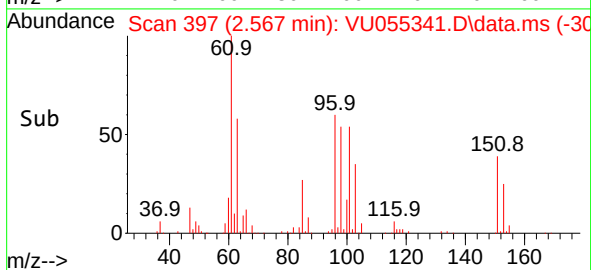
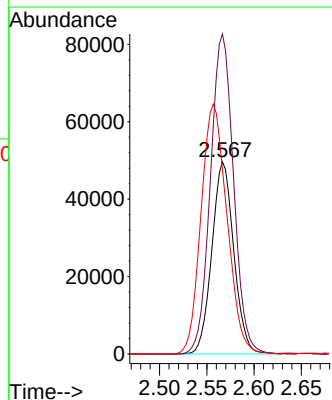
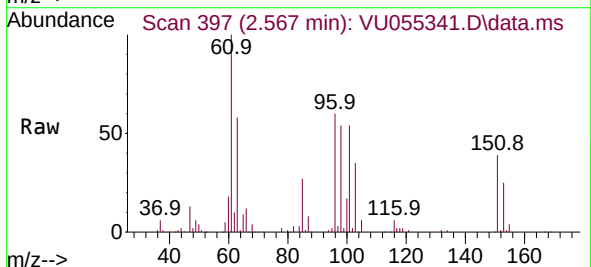
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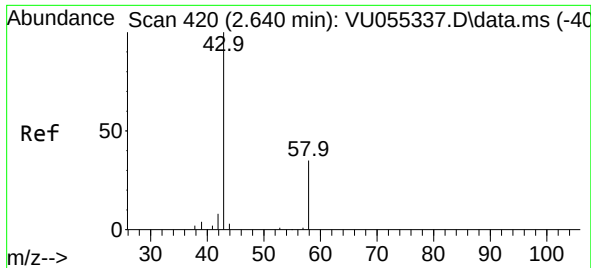
Tgt Ion:101 Resp: 85202
 Ion Ratio Lower Upper
 101 100
 85 48.0 36.5 54.7
 151 69.7 53.8 80.8



#12
 1,1-Dichloroethene
 Concen: 4.915 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.010 min
 Lab File: VU055341.D
 Acq: 15 Sep 2023 15:34

Tgt Ion: 96 Resp: 80048
 Ion Ratio Lower Upper
 96 100
 61 166.6 122.8 228.0
 63 96.2 71.7 133.3





#13

Acetone

Concen: 49.299 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

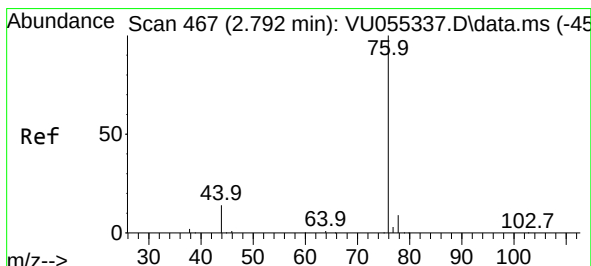
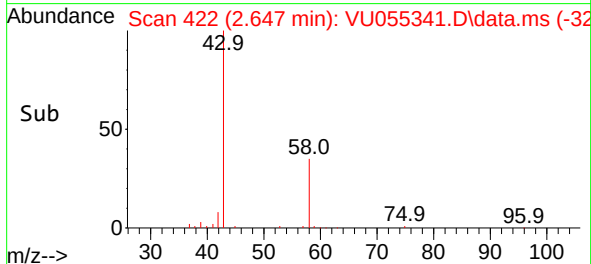
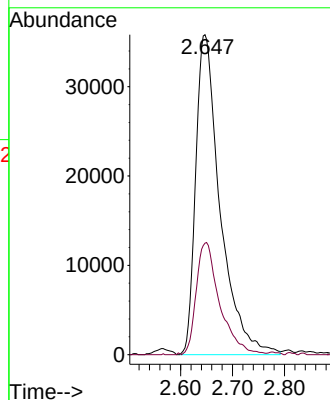
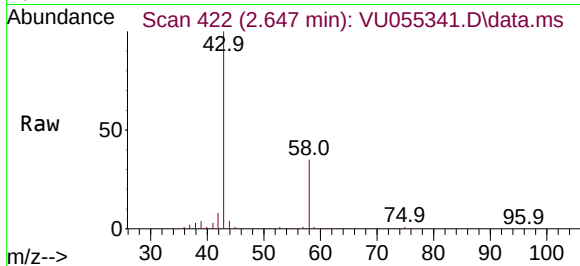
ClientSampleId :

Tgt Ion: 43 Resp: 117052

Ion Ratio Lower Upper

43 100

58 33.7 0.0 68.4



#14

Carbon disulfide

Concen: 4.651 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.013 min

Lab File: VU055341.D

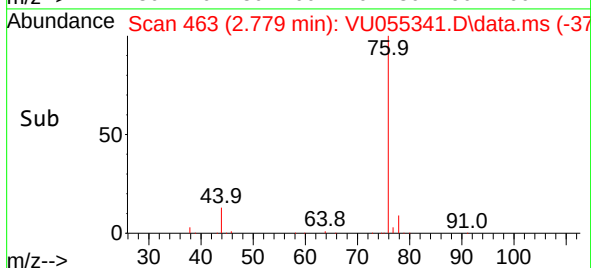
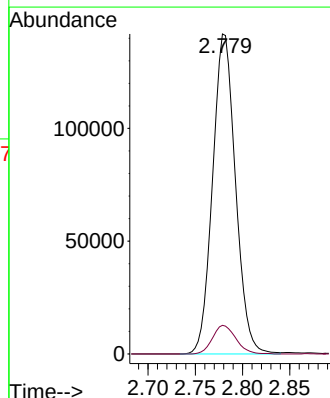
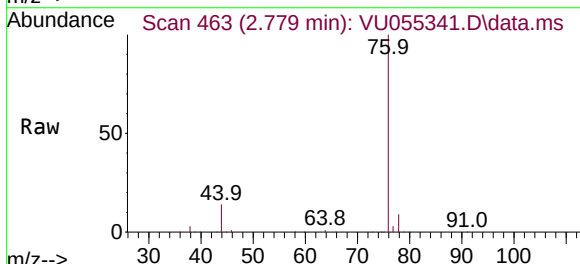
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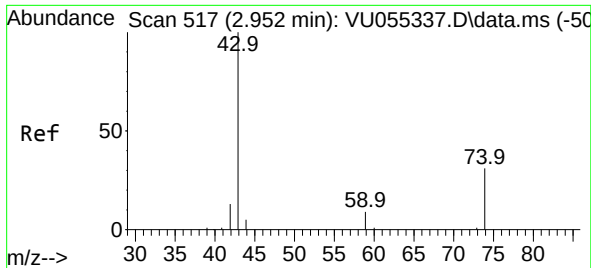
Tgt Ion: 76 Resp: 239480

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

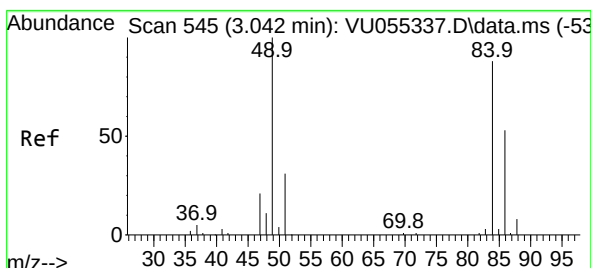
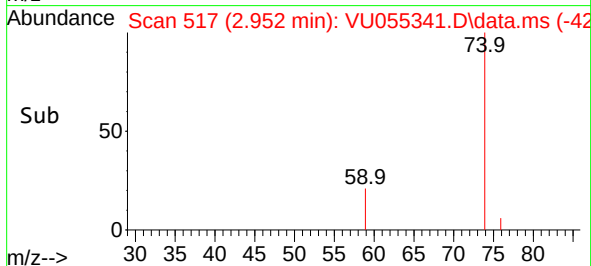
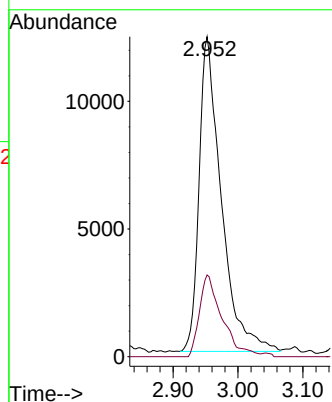
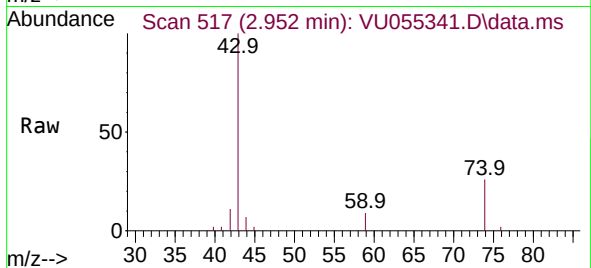




#15
Methyl Acetate
Concen: 5.226 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

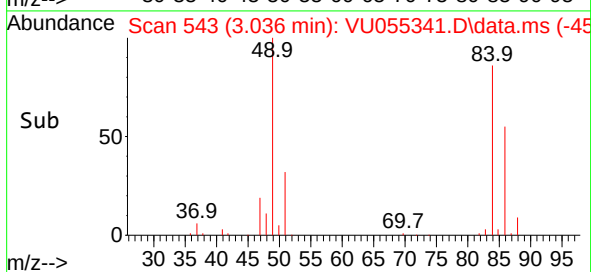
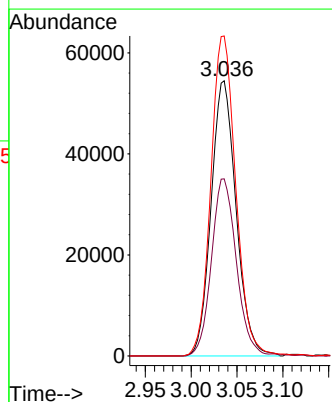
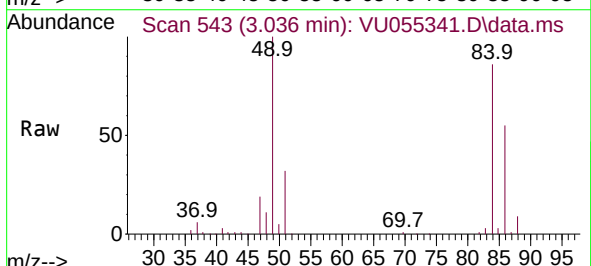
Instrument :
MSVOA_U
ClientSampleId :

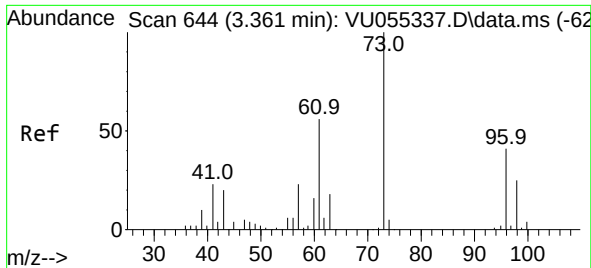
Tgt Ion: 43 Resp: 29291
Ion Ratio Lower Upper
43 100
74 26.4 23.9 35.9



#16
Methylene chloride
Concen: 4.261 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.006 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

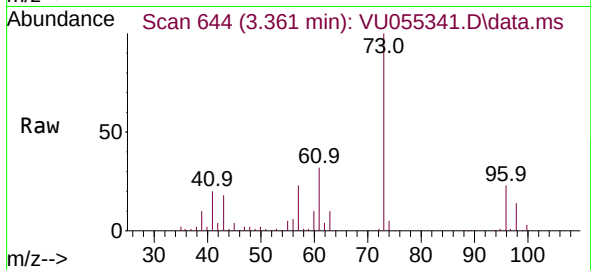
Tgt Ion: 84 Resp: 103410
Ion Ratio Lower Upper
84 100
86 64.4 42.4 78.8
49 116.3 79.9 148.3



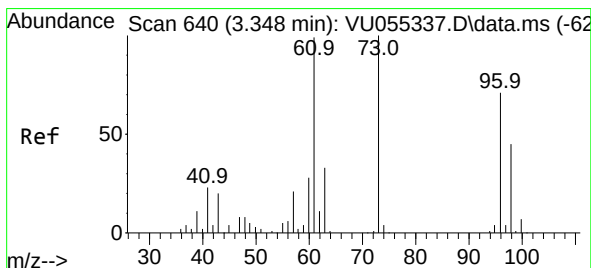
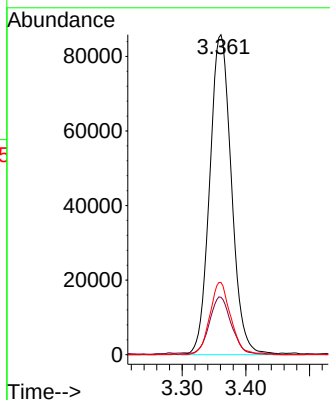
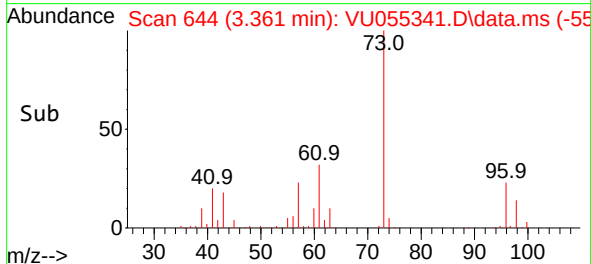


#17
Methyl tert-butyl Ether
Concen: 5.214 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

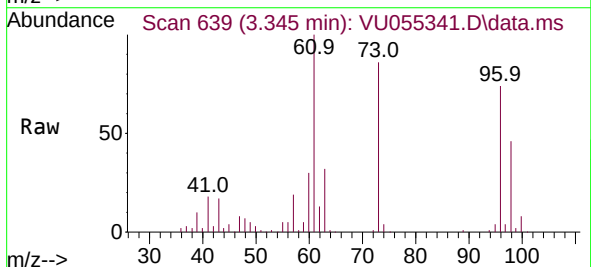
Instrument :
MSVOA_U
ClientSampleId :



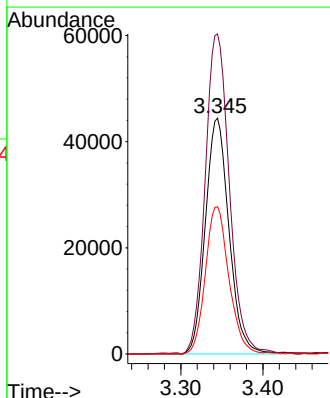
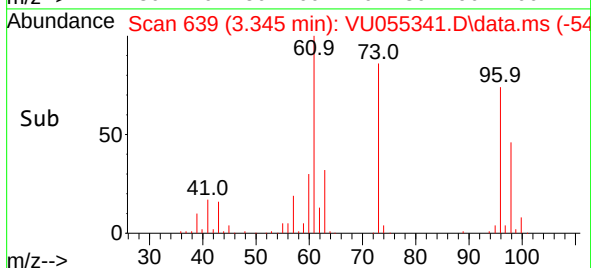
Tgt Ion: 73 Resp: 203595
Ion Ratio Lower Upper
73 100
43 17.0 16.0 24.0
57 21.8 17.2 25.8

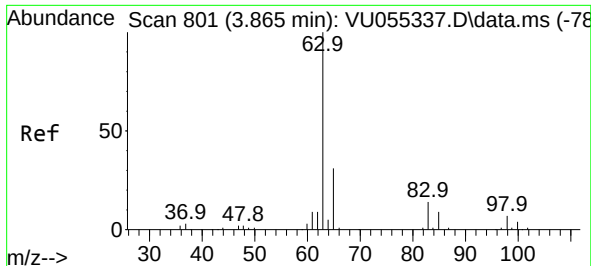


#18
trans-1,2-Dichloroethene
Concen: 4.967 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34



Tgt Ion: 96 Resp: 88957
Ion Ratio Lower Upper
96 100
61 135.7 97.4 181.0
98 62.4 44.6 82.8





#19

1,1-Dichloroethane

Concen: 4.979 ug/L

RT: 3.859 min Scan# 71

Delta R.T. -0.006 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

ClientSampleId :

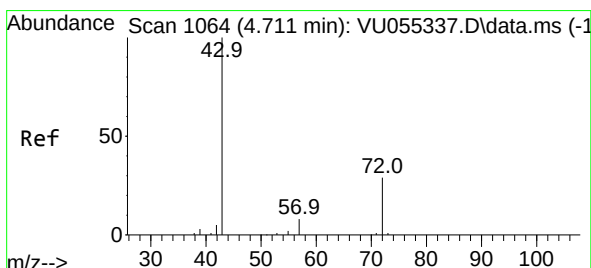
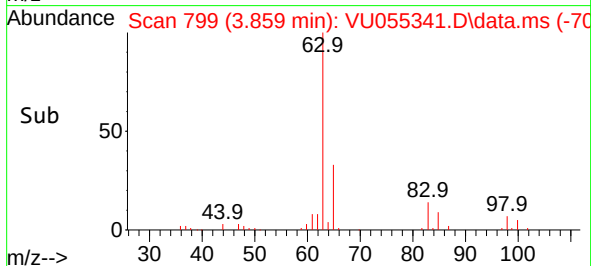
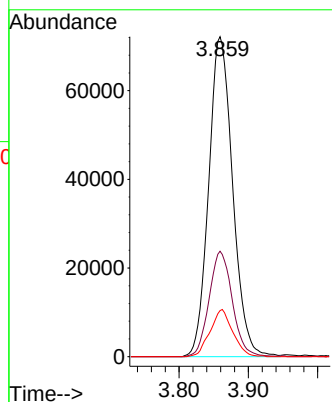
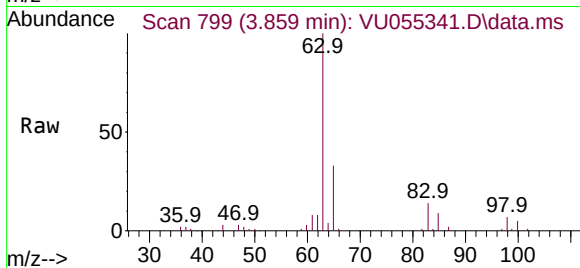
Tgt Ion: 63 Resp: 173457

Ion Ratio Lower Upper

63 100

65 32.9 21.8 40.6

83 14.4 9.7 17.9



#21

2-Butanone

Concen: 50.141 ug/L

RT: 4.714 min Scan# 1065

Delta R.T. 0.003 min

Lab File: VU055341.D

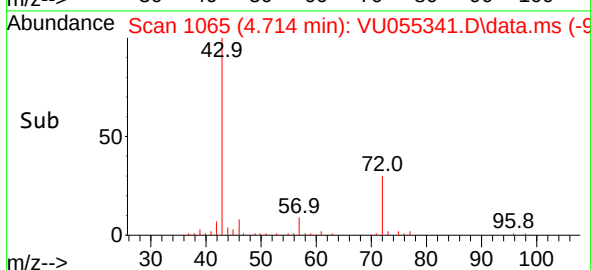
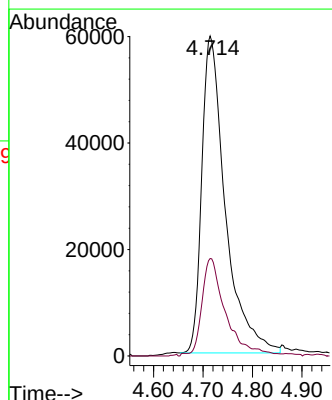
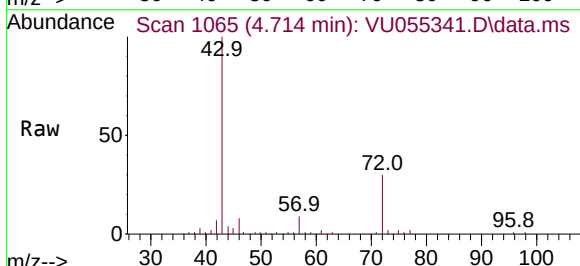
Acq: 15 Sep 2023 15:34

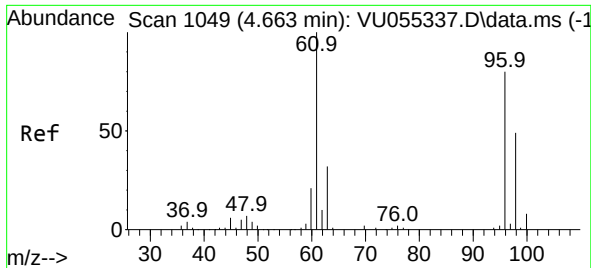
Tgt Ion: 43 Resp: 197093

Ion Ratio Lower Upper

43 100

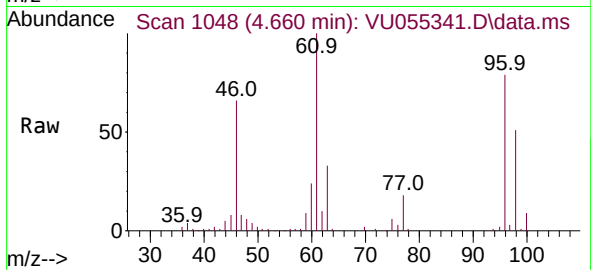
72 31.0 15.2 45.5





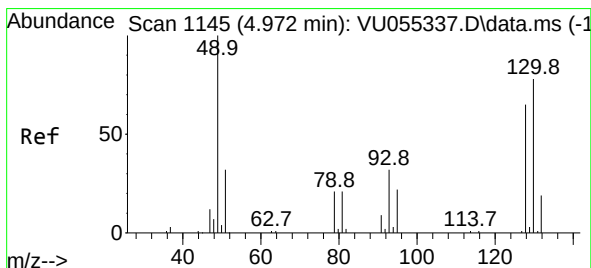
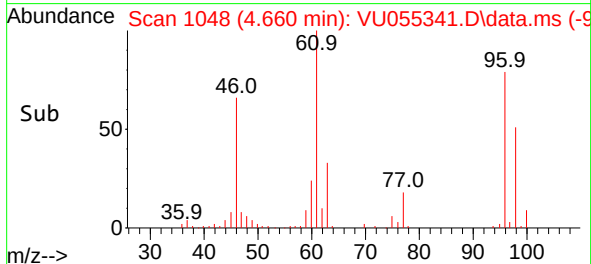
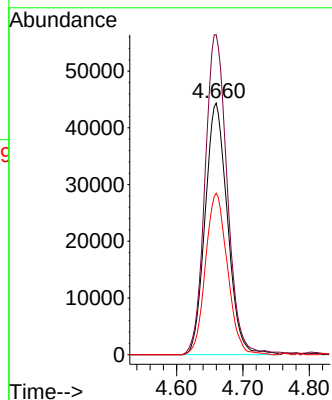
#22
 cis-1,2-Dichloroethene
 Concen: 4.951 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: VU055341.D
 Acq: 15 Sep 2023 15:34

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 103832

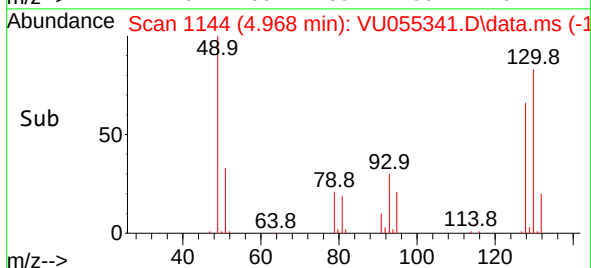
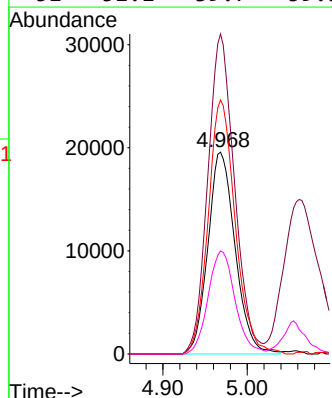
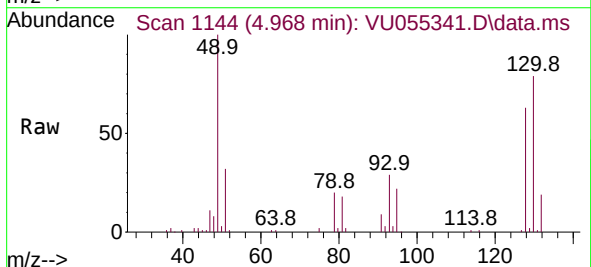
Ion	Ratio	Lower	Upper
96	100		
61	127.2	88.1	163.7
98	64.3	43.5	80.7

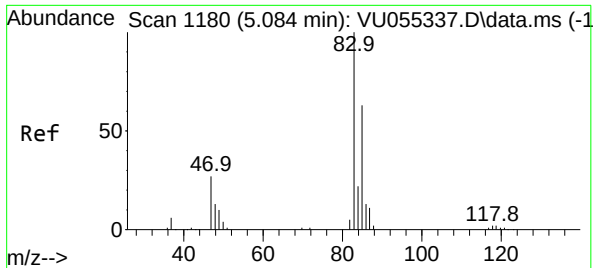


#23
 Bromochloromethane
 Concen: 5.140 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU055341.D
 Acq: 15 Sep 2023 15:34

Tgt Ion: 128 Resp: 43821

Ion	Ratio	Lower	Upper
128	100		
49	158.6	108.1	200.9
130	125.9	84.3	156.5
51	51.1	39.7	59.5





#25

Chloroform

Concen: 4.801 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

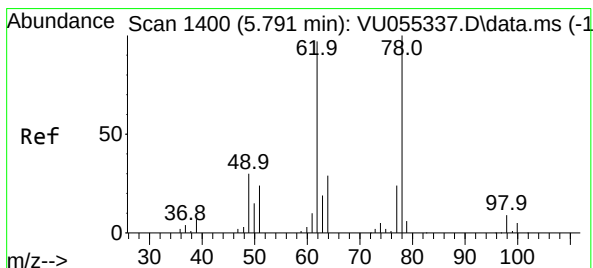
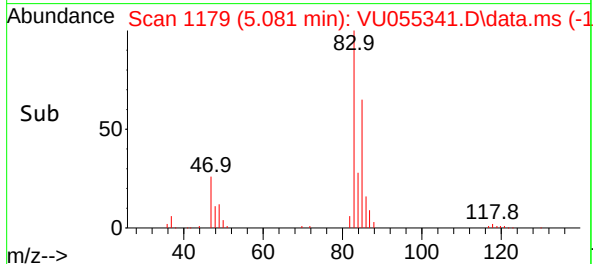
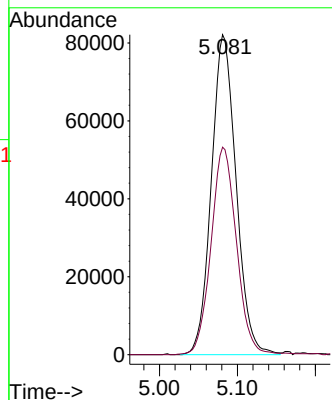
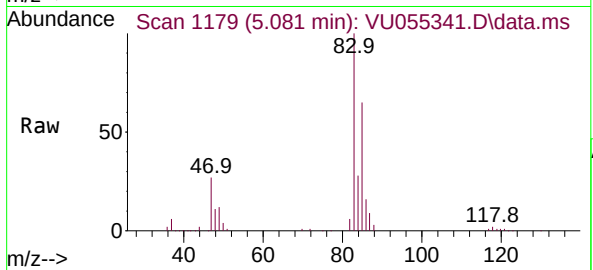
ClientSampleId :

Tgt Ion: 83 Resp: 181102

Ion Ratio Lower Upper

83 100

85 64.8 44.4 82.4



#27

1,2-Dichloroethane

Concen: 4.825 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU055341.D

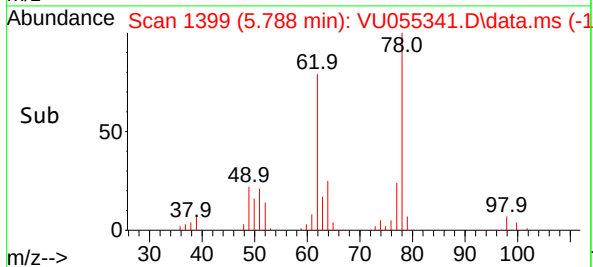
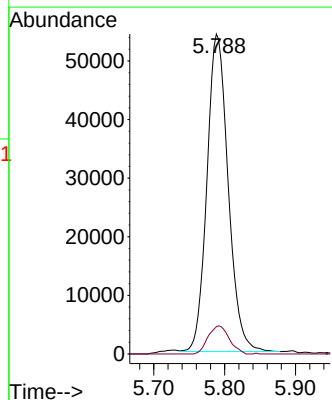
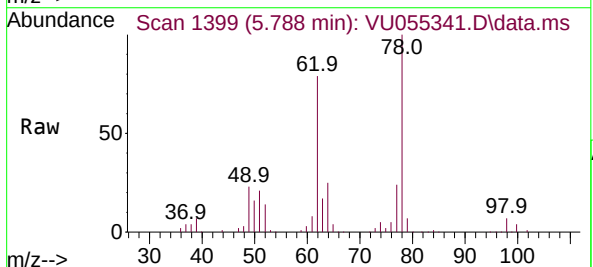
Acq: 15 Sep 2023 15:34

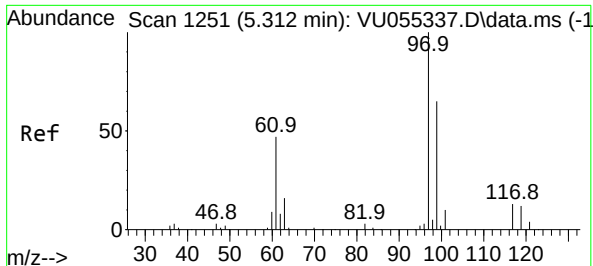
Tgt Ion: 62 Resp: 112846

Ion Ratio Lower Upper

62 100

98 8.5 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 5.274 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

ClientSampleId :

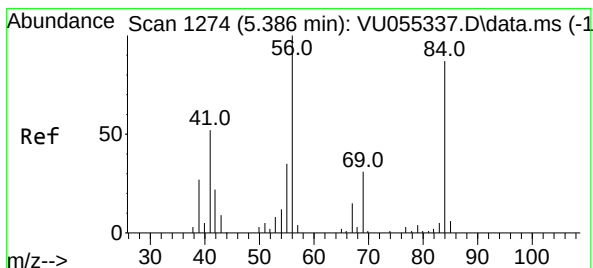
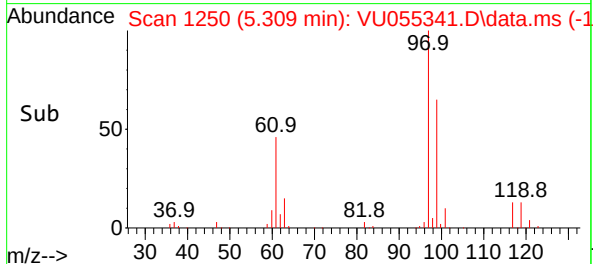
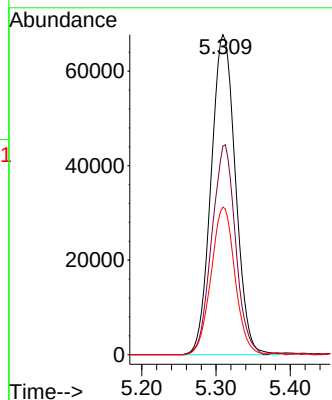
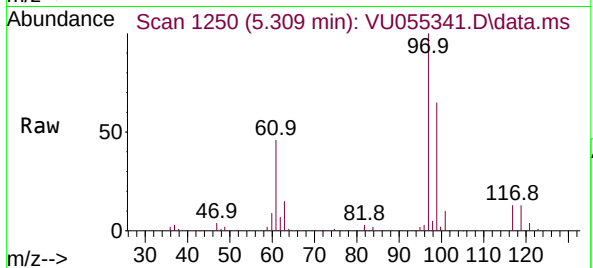
Tgt Ion: 97 Resp: 154487

Ion Ratio Lower Upper

97 100

99 63.9 51.2 76.8

61 45.2 37.6 56.4



#30

Cyclohexane

Concen: 5.345 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.006 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

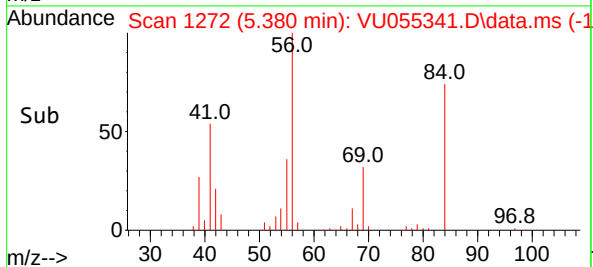
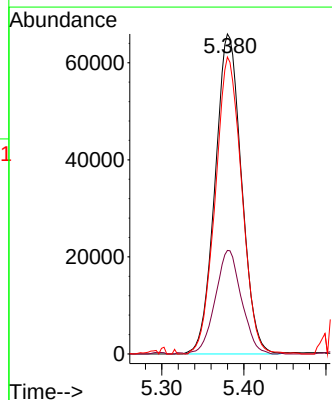
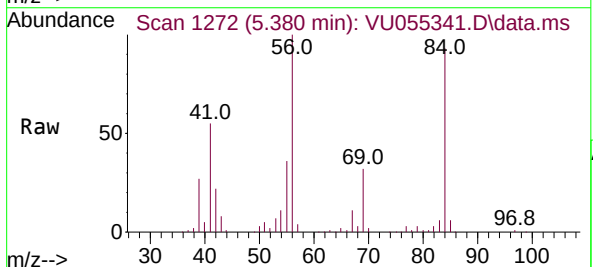
Tgt Ion: 56 Resp: 147796

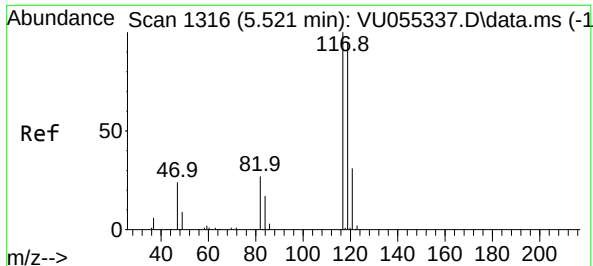
Ion Ratio Lower Upper

56 100

69 32.0 25.0 37.6

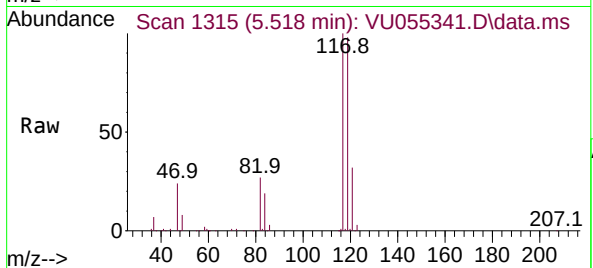
84 93.0 70.2 105.4



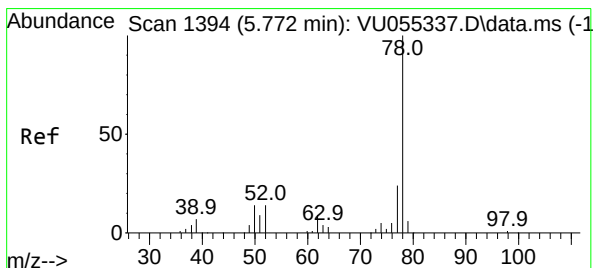
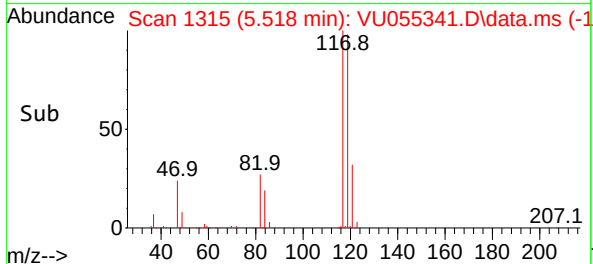
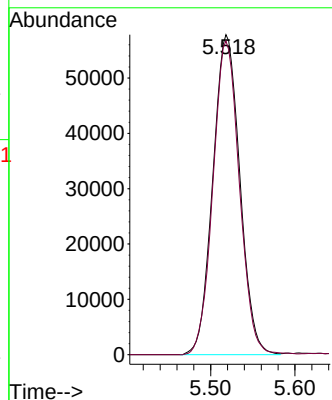


#31
Carbon tetrachloride
Concen: 5.161 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

Instrument :
MSVOA_U
ClientSampleId :

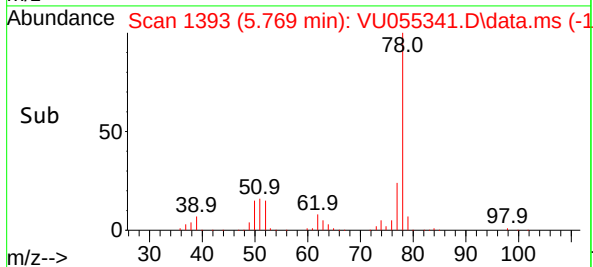
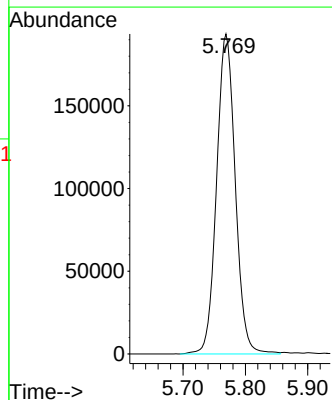
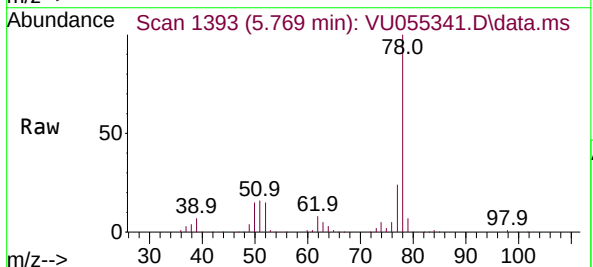


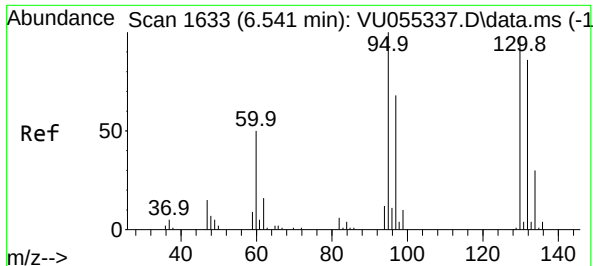
Tgt Ion:117 Resp: 128588
Ion Ratio Lower Upper
117 100
119 96.0 77.5 116.3



#33
Benzene
Concen: 5.276 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

Tgt Ion: 78 Resp: 402581





#34

Trichloroethene

Concen: 5.015 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 108898

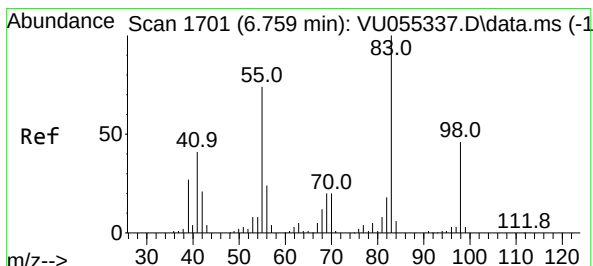
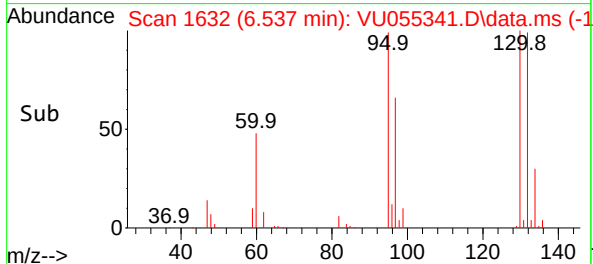
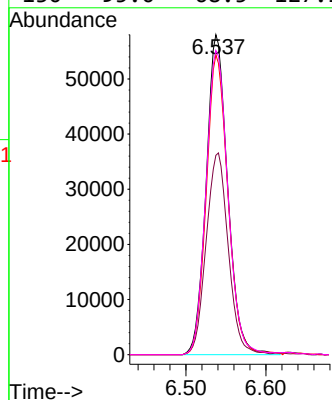
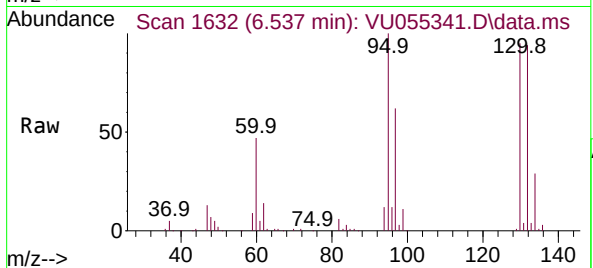
Ion Ratio Lower Upper

95 100

97 62.3 47.4 88.0

132 93.7 60.5 112.3

130 95.0 68.5 127.1



#35

Methylcyclohexane

Concen: 5.296 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

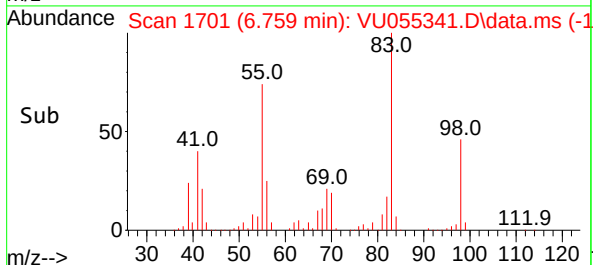
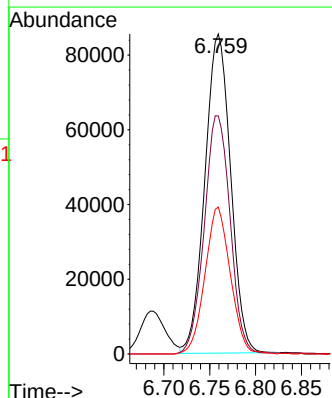
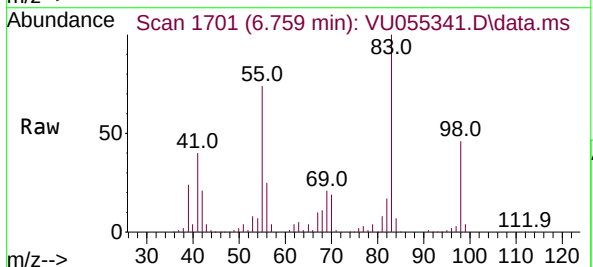
Tgt Ion: 83 Resp: 167181

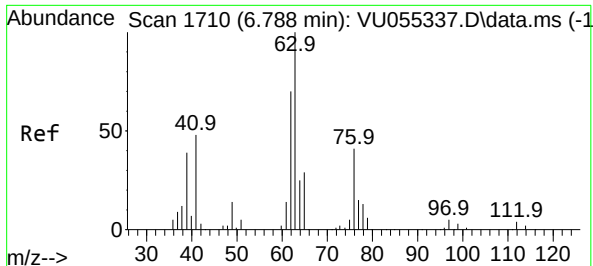
Ion Ratio Lower Upper

83 100

55 75.0 58.7 88.1

98 45.3 36.3 54.5





#37

1,2-Dichloropropane

Concen: 5.170 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

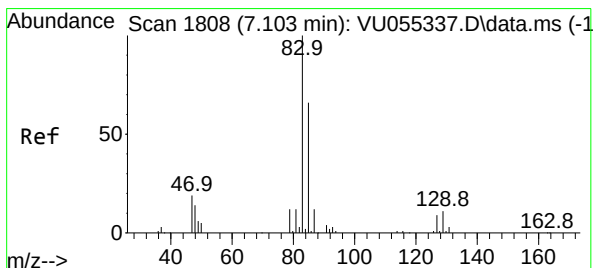
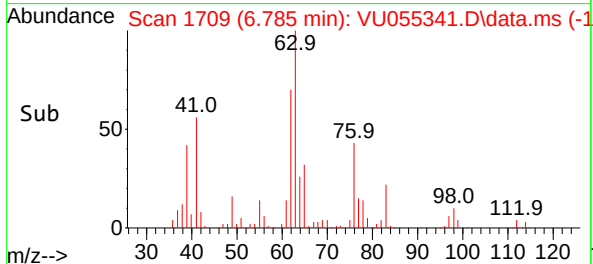
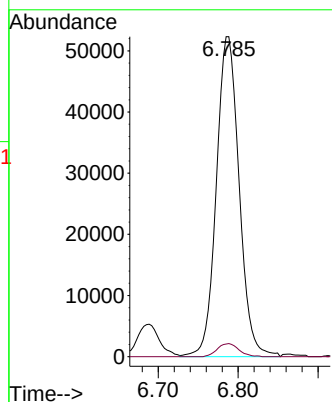
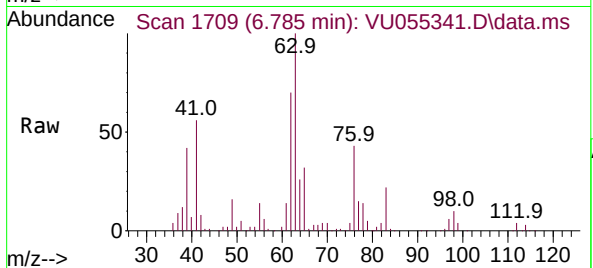
ClientSampleId :

Tgt Ion: 63 Resp: 103594

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.4



#38

Bromodichloromethane

Concen: 5.072 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

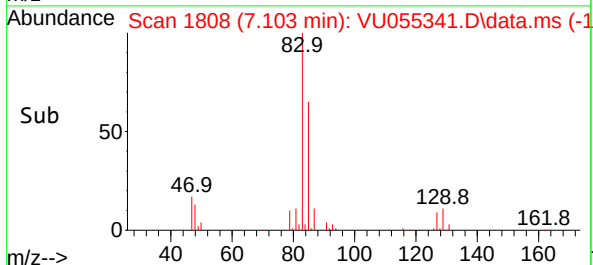
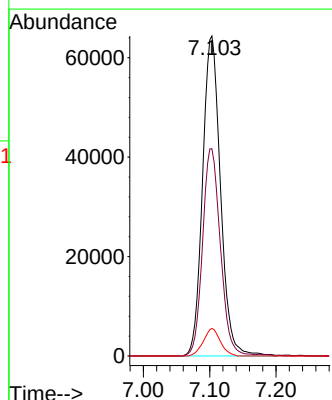
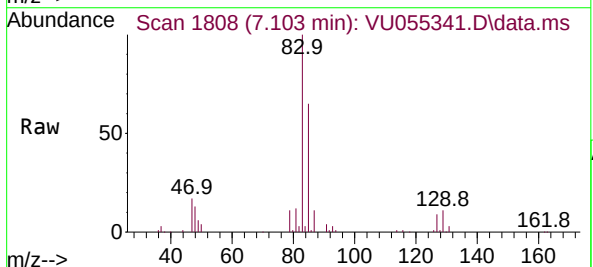
Tgt Ion: 83 Resp: 121272

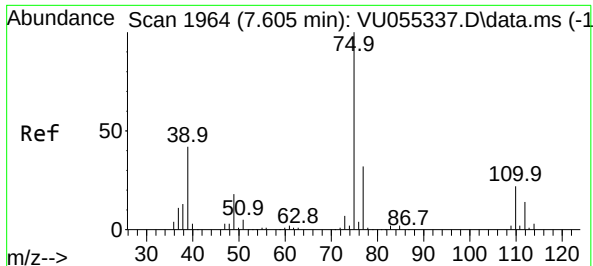
Ion Ratio Lower Upper

83 100

85 64.7 46.3 85.9

127 8.6 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 5.283 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

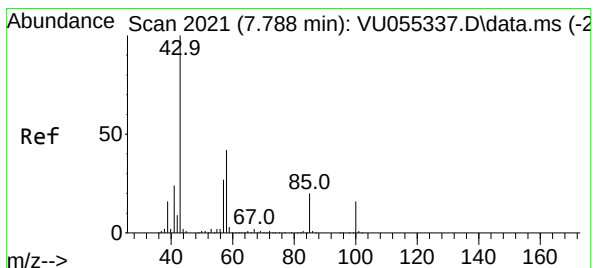
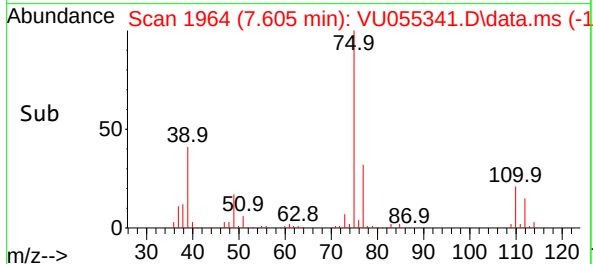
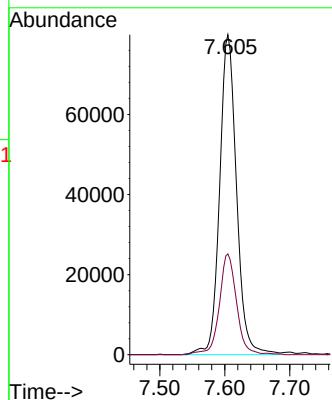
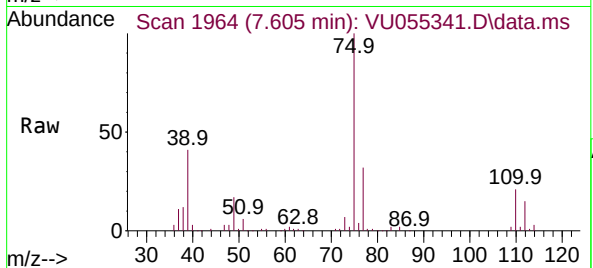
ClientSampleId :

Tgt Ion: 75 Resp: 143850

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 54.389 ug/L

RT: 7.791 min Scan# 2022

Delta R.T. 0.003 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

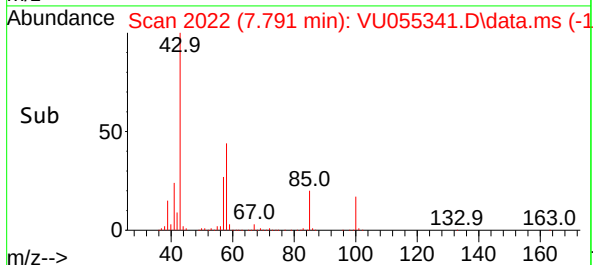
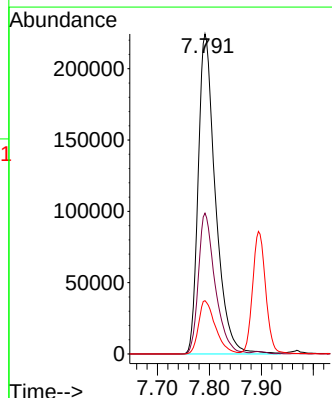
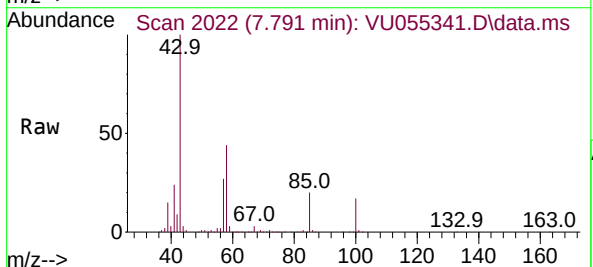
Tgt Ion: 43 Resp: 517123

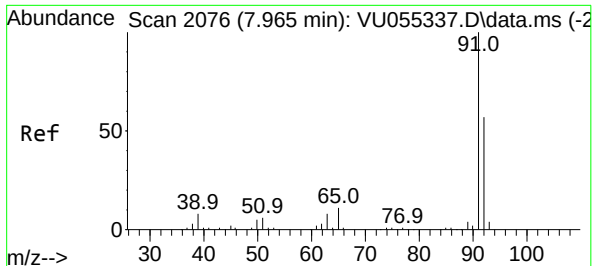
Ion Ratio Lower Upper

43 100

58 42.9 32.9 49.3

100 16.3 12.9 19.3





#42

Toluene

Concen: 5.218 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

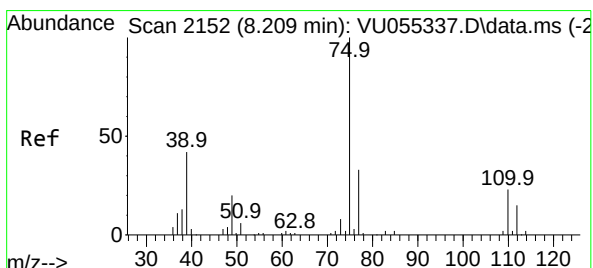
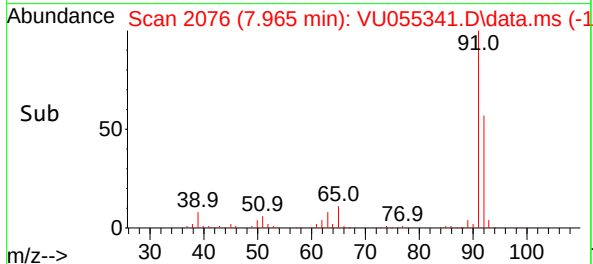
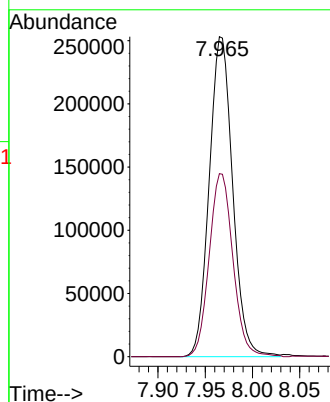
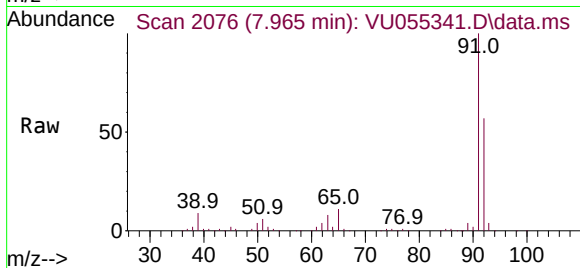
ClientSampleId :

Tgt Ion: 91 Resp: 436246

Ion Ratio Lower Upper

91 100

92 57.2 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.295 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU055341.D

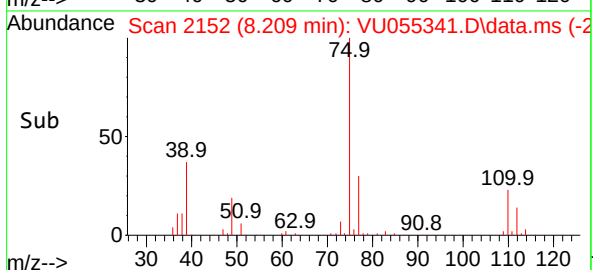
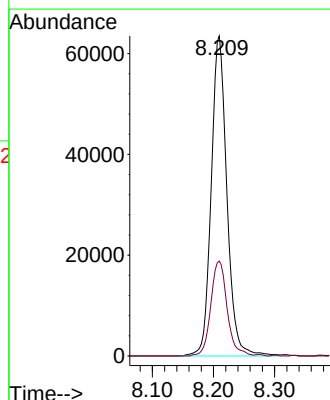
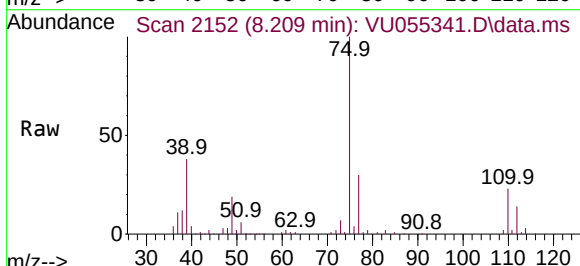
Acq: 15 Sep 2023 15:34

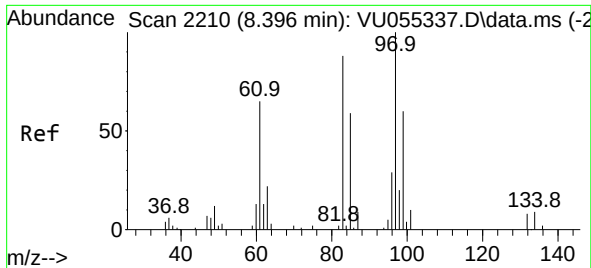
Tgt Ion: 75 Resp: 113066

Ion Ratio Lower Upper

75 100

77 29.7 23.2 43.0

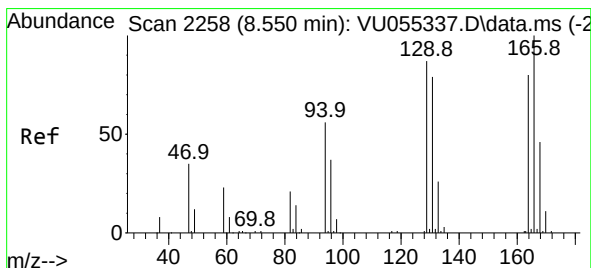
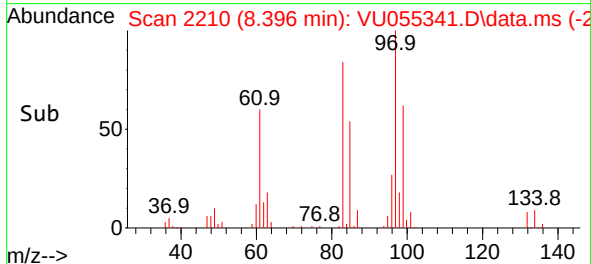
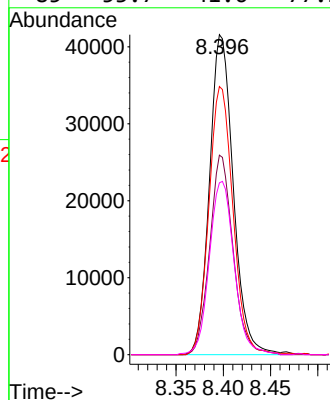
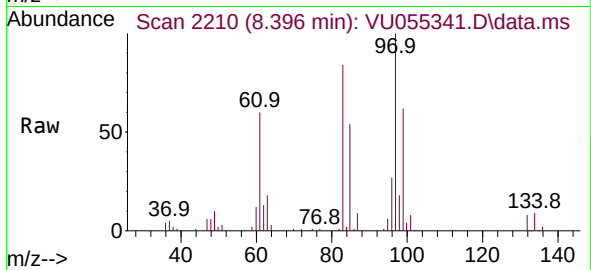




#45
1,1,2-Trichloroethane
Concen: 5.243 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

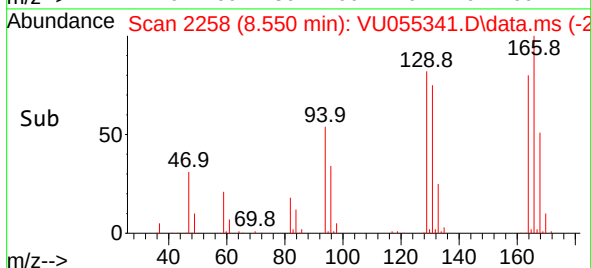
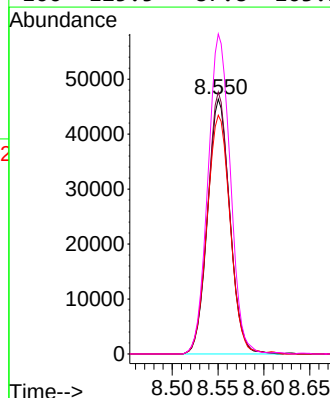
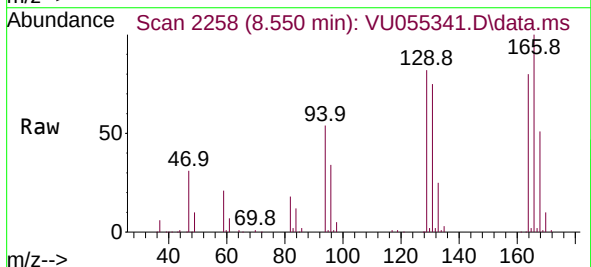
Instrument :
MSVOA_U
ClientSampleId :

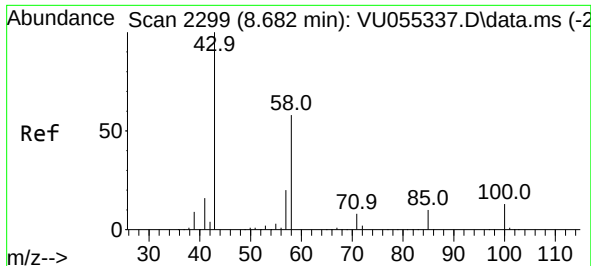
Tgt Ion:	97	Resp:	72817
Ion	Ratio	Lower	Upper
97	100		
99	62.3	42.4	78.6
83	83.8	61.3	113.9
85	53.7	41.6	77.2



#47
Tetrachloroethene
Concen: 5.256 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

Tgt Ion:	164	Resp:	78234
Ion	Ratio	Lower	Upper
164	100		
129	102.8	76.3	141.7
131	93.7	69.1	128.3
166	125.5	87.8	163.2



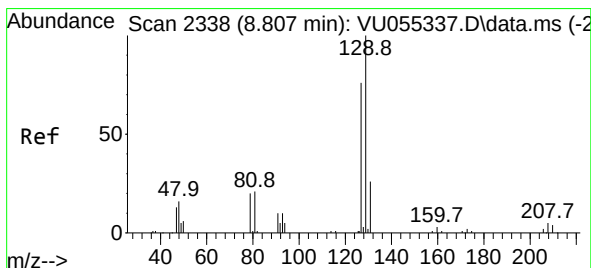
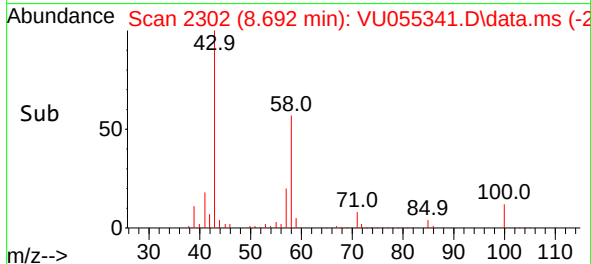
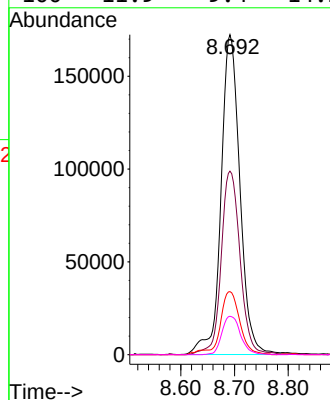
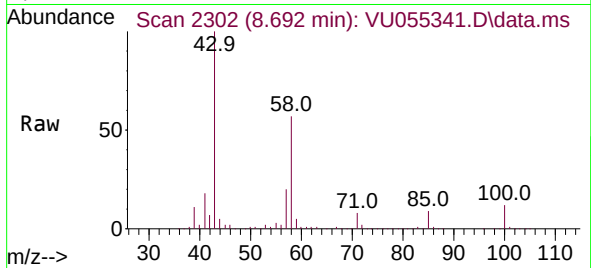


#48
2-Hexanone
Concen: 58.650 ug/L
RT: 8.692 min Scan# 210
Delta R.T. 0.010 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 420270

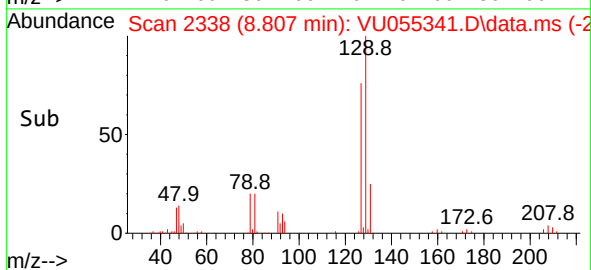
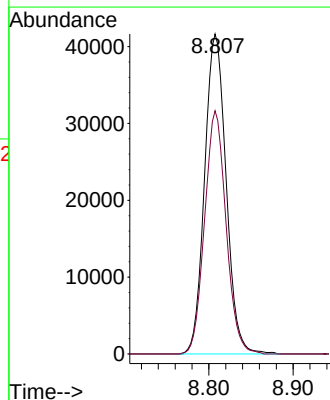
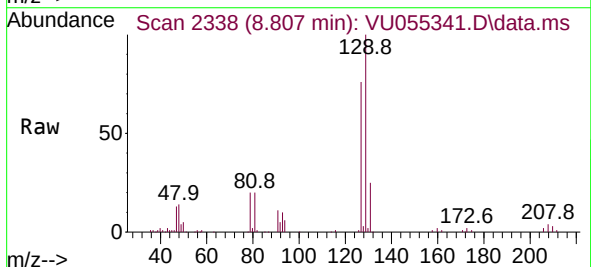
Ion	Ratio	Lower	Upper
43	100		
58	57.6	47.8	71.6
57	20.7	15.4	23.2
100	11.9	9.4	14.2

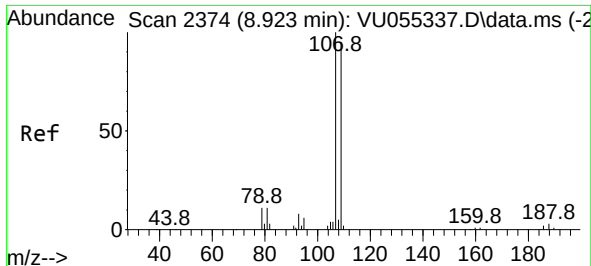


#49
Dibromochloromethane
Concen: 5.206 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

Tgt Ion: 129 Resp: 73982

Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.4	99.2





#50

1,2-Dibromoethane

Concen: 5.209 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU055341.D

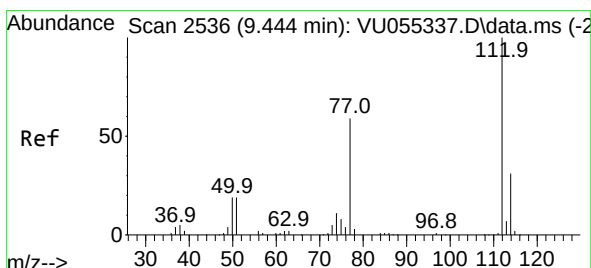
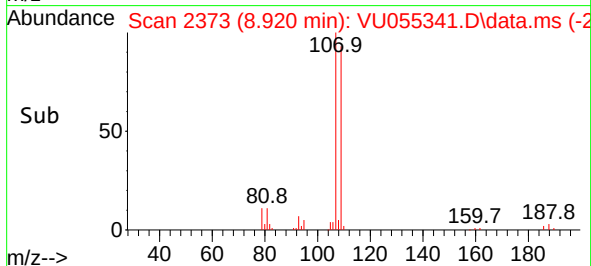
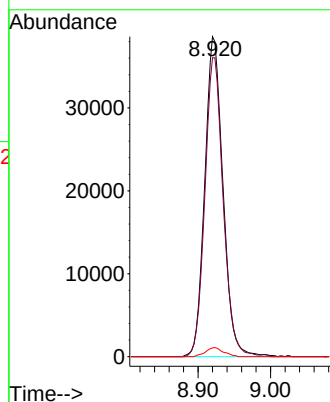
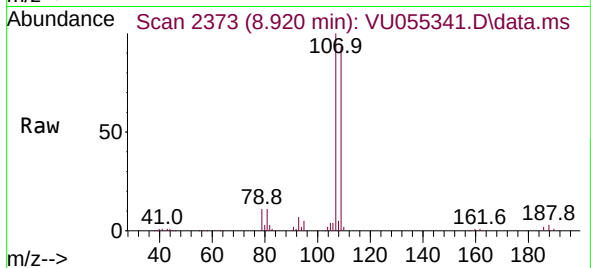
Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	67468
Ion	Ratio	Lower	Upper
107	100		
109	93.4	66.6	123.8
188	2.8	2.1	3.1



#51

Chlorobenzene

Concen: 5.134 ug/L

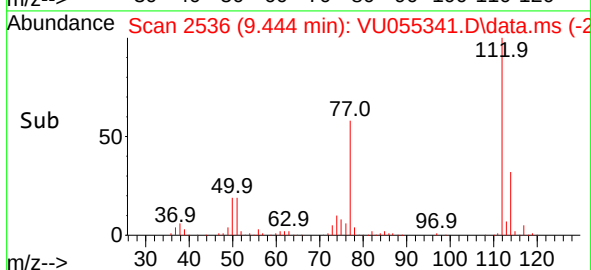
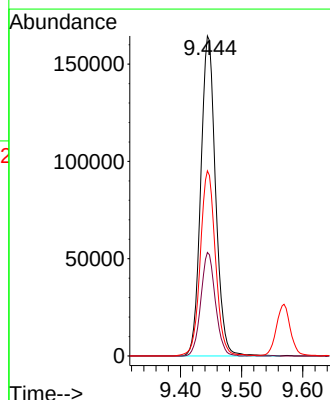
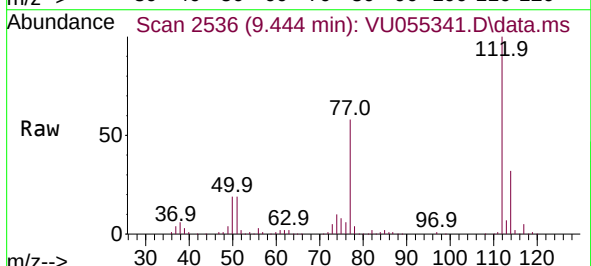
RT: 9.444 min Scan# 2536

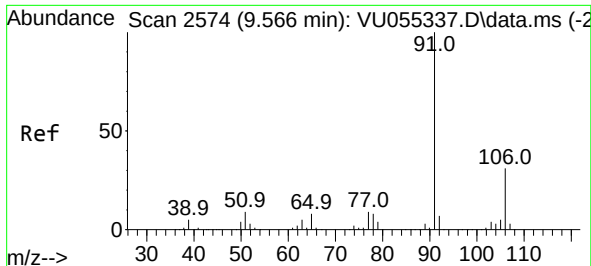
Delta R.T. 0.000 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Tgt Ion:	112	Resp:	276881
Ion	Ratio	Lower	Upper
112	100		
114	32.4	21.8	40.6
77	57.9	47.4	71.0

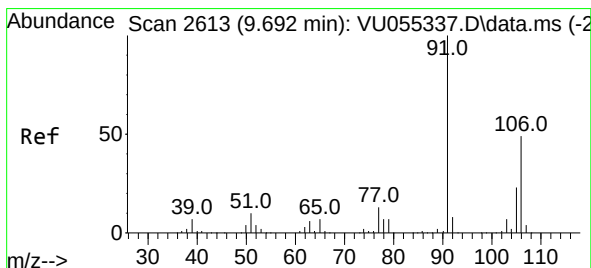
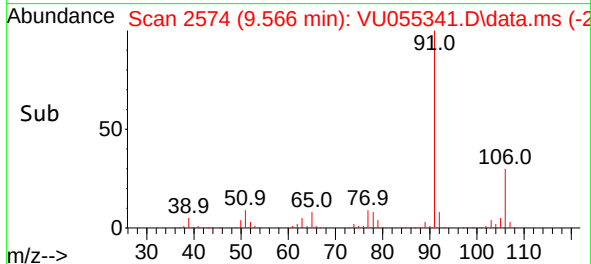
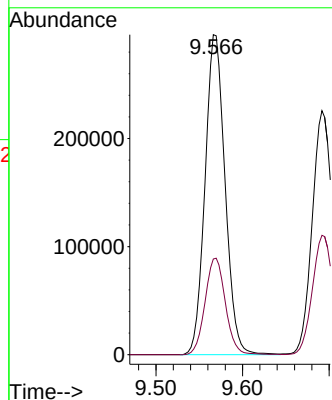
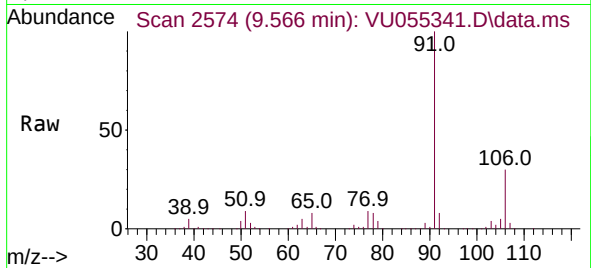




#52
Ethylbenzene
Concen: 5.176 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

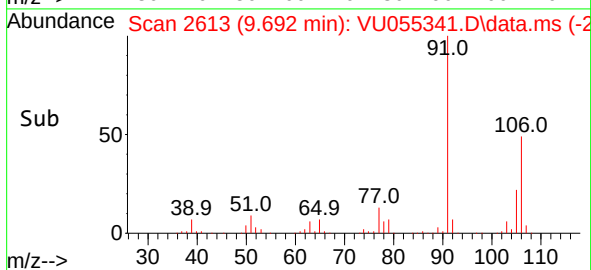
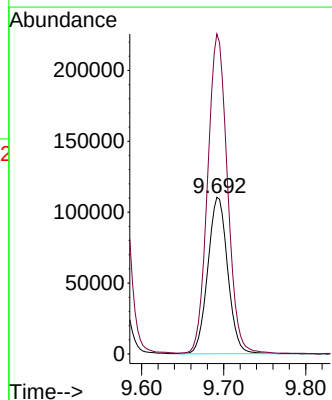
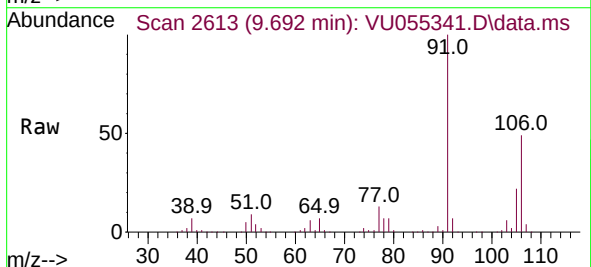
Instrument :
MSVOA_U
ClientSampleId :

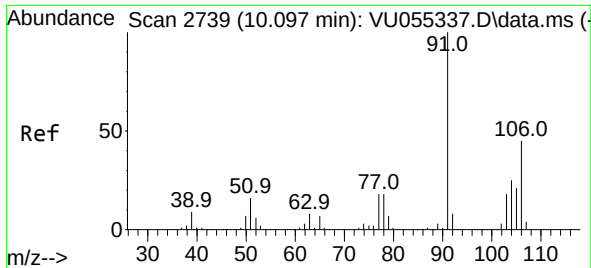
Tgt Ion: 91 Resp: 475228
Ion Ratio Lower Upper
91 100
106 29.9 21.5 39.9



#53
m,p-Xylene
Concen: 5.356 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

Tgt Ion: 106 Resp: 186005
Ion Ratio Lower Upper
106 100
91 204.3 143.3 266.1

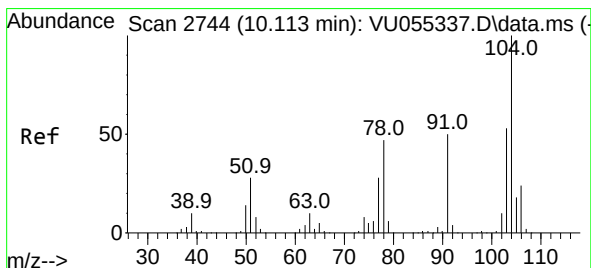
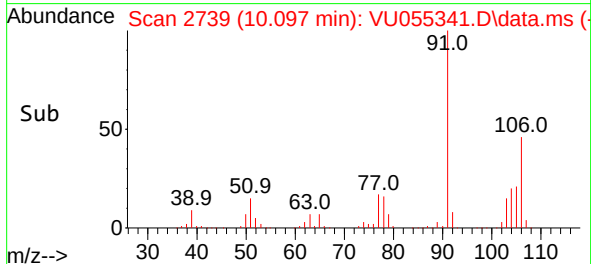
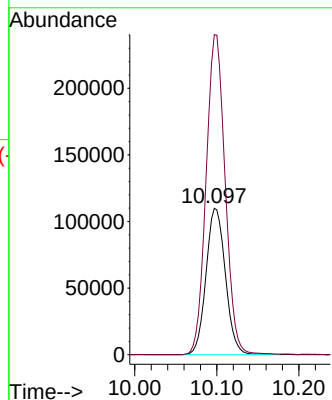
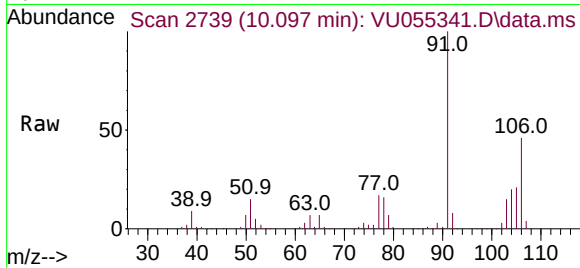




#54
o-Xylene
Concen: 5.484 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

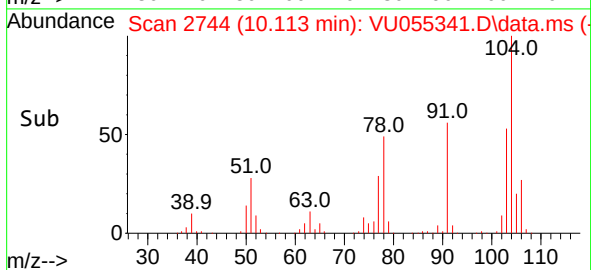
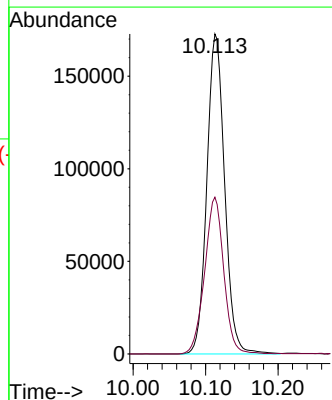
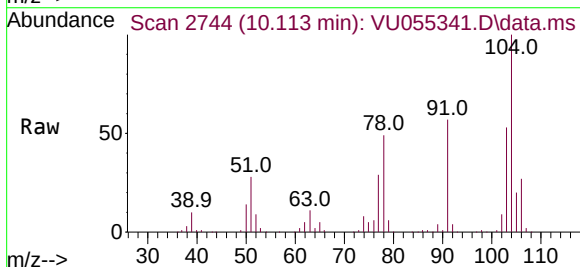
Instrument :
MSVOA_U
ClientSampleId :

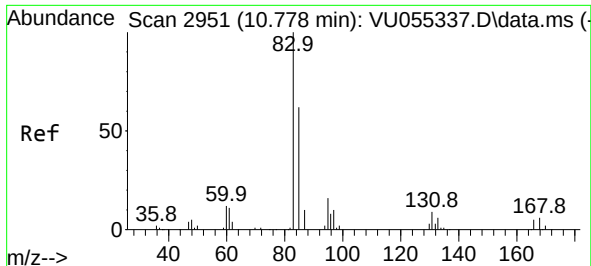
Tgt Ion:106 Resp: 180678
Ion Ratio Lower Upper
106 100
91 218.6 155.6 289.0



#55
Styrene
Concen: 5.359 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

Tgt Ion:104 Resp: 294870
Ion Ratio Lower Upper
104 100
78 49.0 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.206 ug/L

RT: 10.782 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

ClientSampleId :

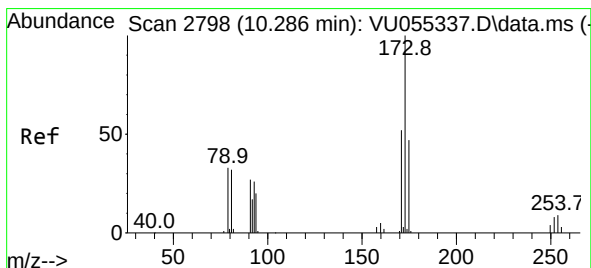
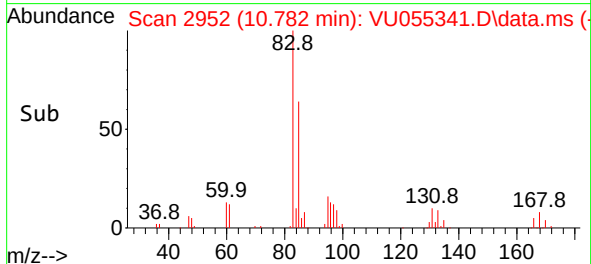
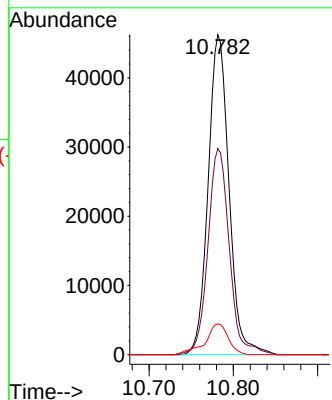
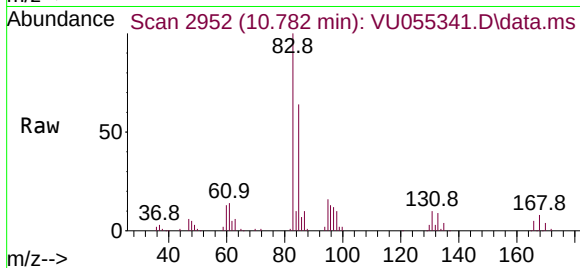
Tgt Ion: 83 Resp: 79521

Ion Ratio Lower Upper

83 100

85 64.5 43.3 80.5

131 9.7 7.2 10.8



#59

Bromoform

Concen: 5.263 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.003 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

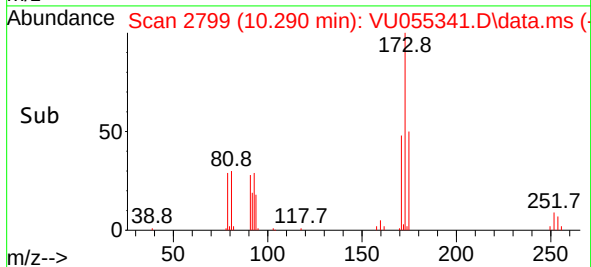
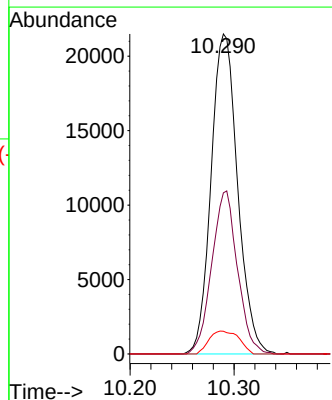
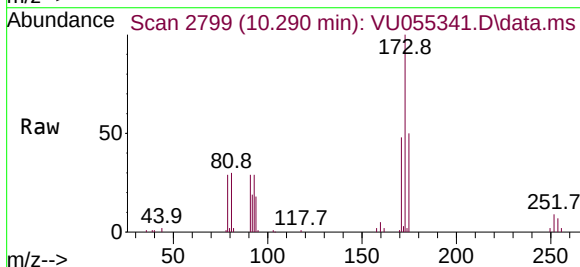
Tgt Ion:173 Resp: 38131

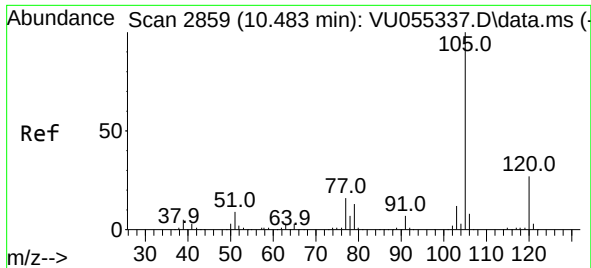
Ion Ratio Lower Upper

173 100

175 49.2 38.1 57.1

254 8.1 6.8 10.2

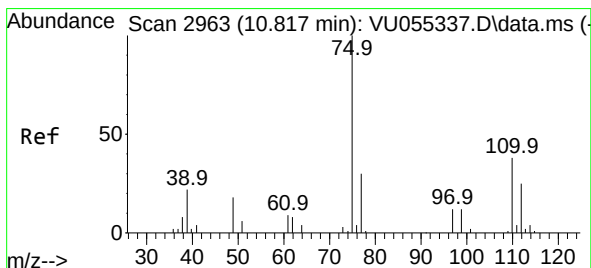
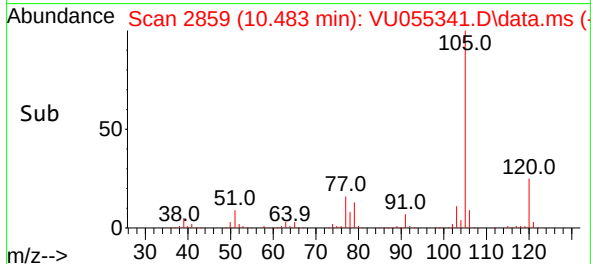
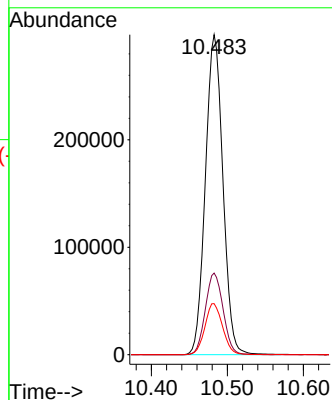
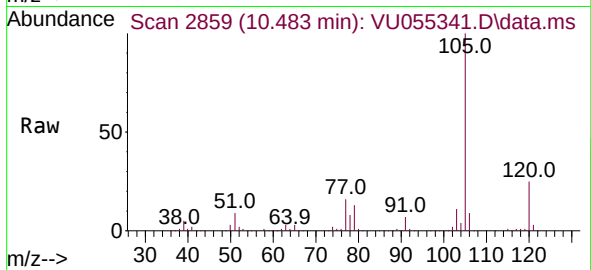




#60
Isopropylbenzene
Concen: 5.249 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

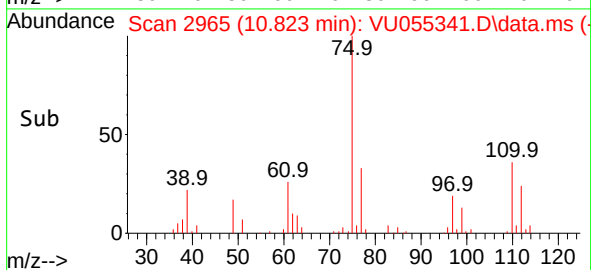
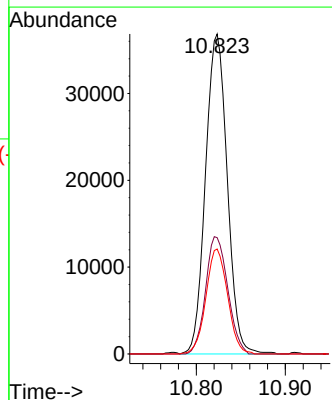
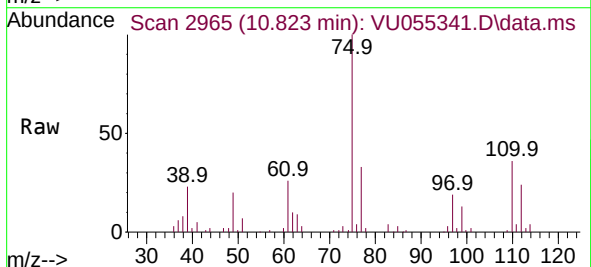
Instrument :
MSVOA_U
ClientSampleId :

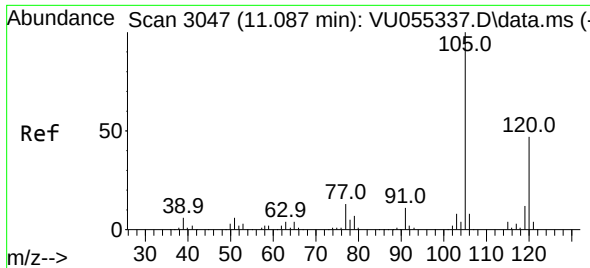
Tgt Ion:105 Resp: 477006
Ion Ratio Lower Upper
105 100
120 25.9 21.0 31.4
77 16.1 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 5.180 ug/L
RT: 10.823 min Scan# 2965
Delta R.T. 0.006 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

Tgt Ion: 75 Resp: 62436
Ion Ratio Lower Upper
75 100
110 37.4 31.4 47.2
77 32.7 26.0 39.0

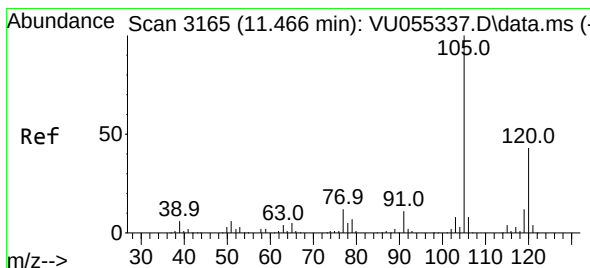
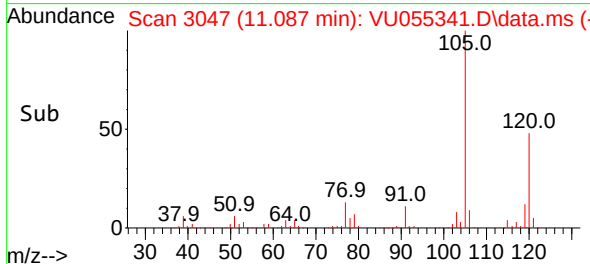
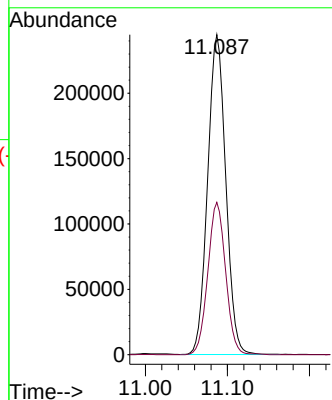
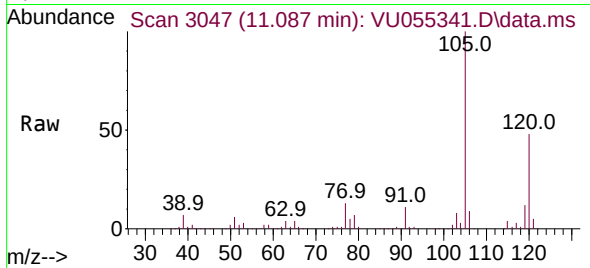




#62
 1,3,5-Trimethylbenzene
 Concen: 5.391 ug/L
 RT: 11.087 min Scan# 3047
 Delta R.T. 0.000 min
 Lab File: VU055341.D
 Acq: 15 Sep 2023 15:34

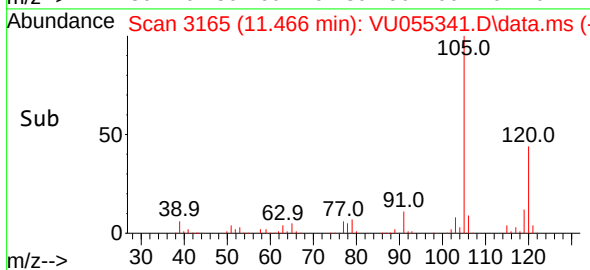
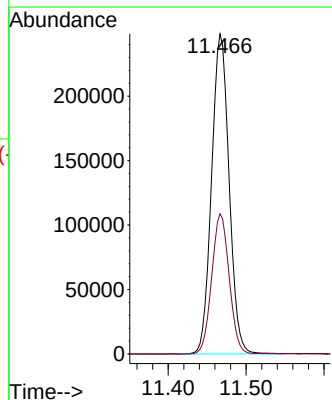
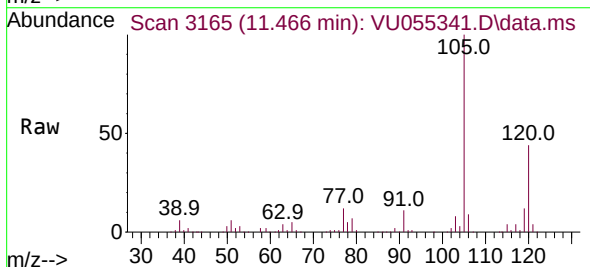
Instrument :
 MSVOA_U
 ClientSampleId :

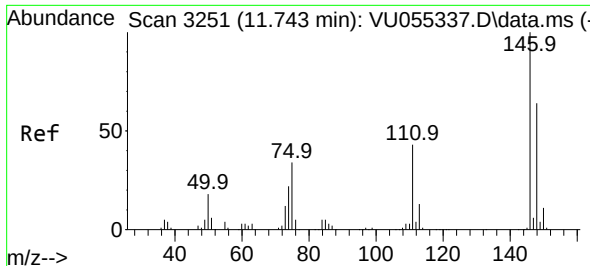
Tgt Ion:105 Resp: 376586
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 5.476 ug/L
 RT: 11.466 min Scan# 3165
 Delta R.T. 0.000 min
 Lab File: VU055341.D
 Acq: 15 Sep 2023 15:34

Tgt Ion:105 Resp: 388349
 Ion Ratio Lower Upper
 105 100
 120 43.8 34.6 52.0

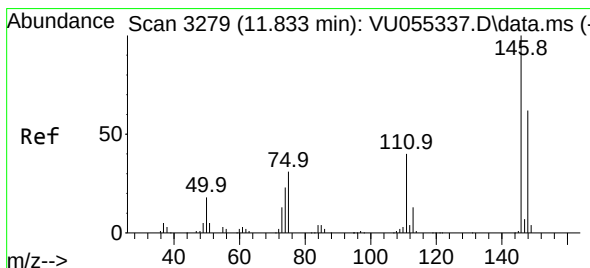
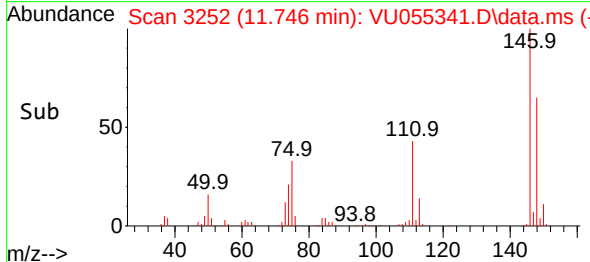
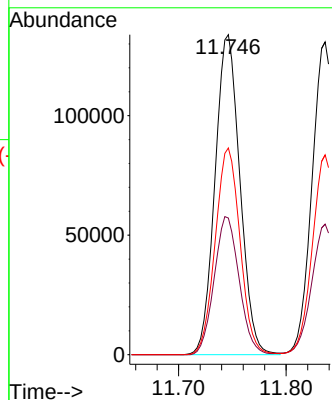
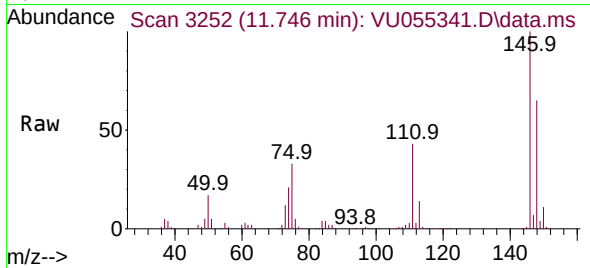




#64
1,3-Dichlorobenzene
Concen: 5.147 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

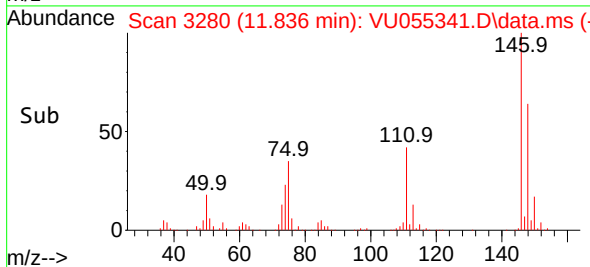
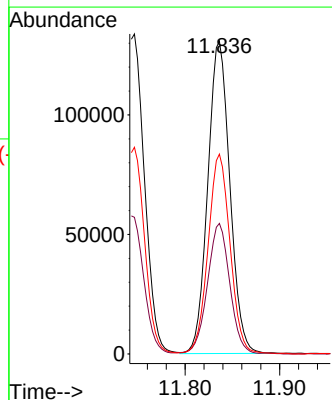
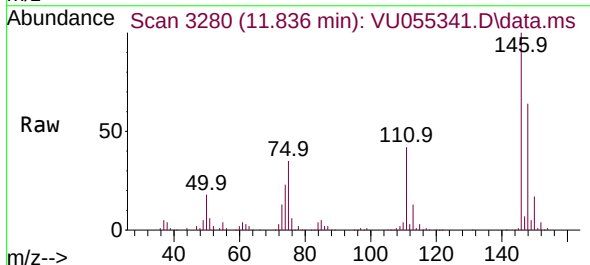
Instrument :
MSVOA_U
ClientSampleId :

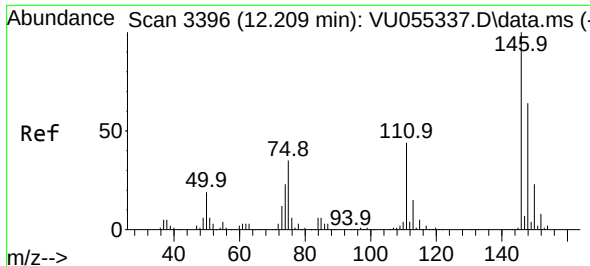
Tgt Ion:146 Resp: 215468
Ion Ratio Lower Upper
146 100
111 42.7 30.4 56.4
148 64.6 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 5.181 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055341.D
Acq: 15 Sep 2023 15:34

Tgt Ion:146 Resp: 211972
Ion Ratio Lower Upper
146 100
111 41.8 28.7 53.3
148 63.9 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 5.275 ug/L

RT: 12.212 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

ClientSampleId :

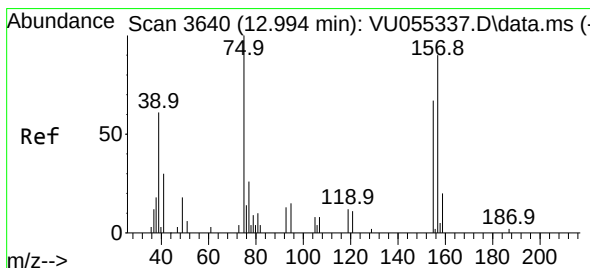
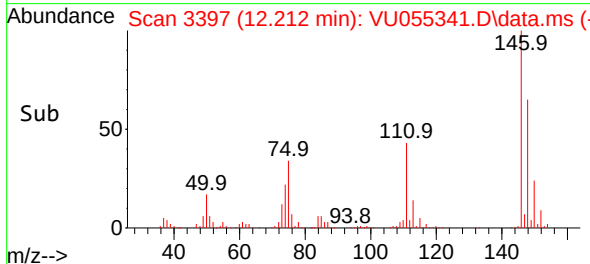
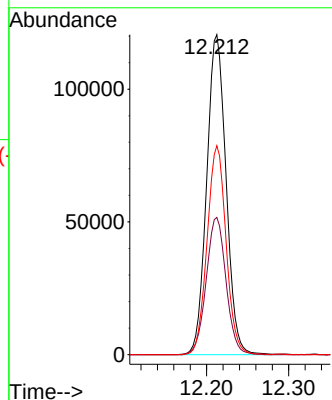
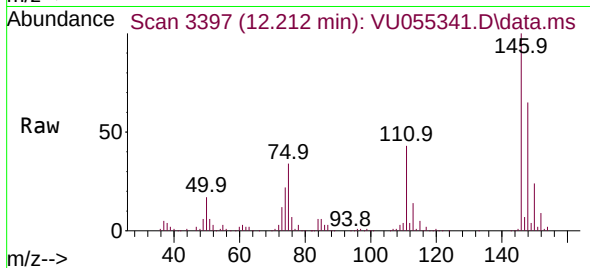
Tgt Ion:146 Resp: 197983

Ion Ratio Lower Upper

146 100

111 42.9 35.4 53.0

148 65.3 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.907 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

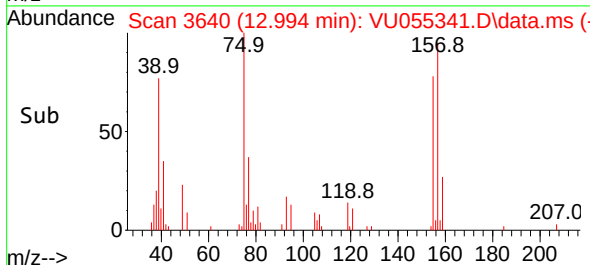
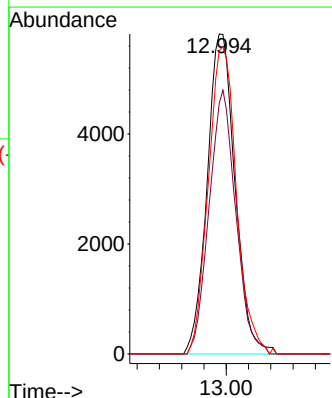
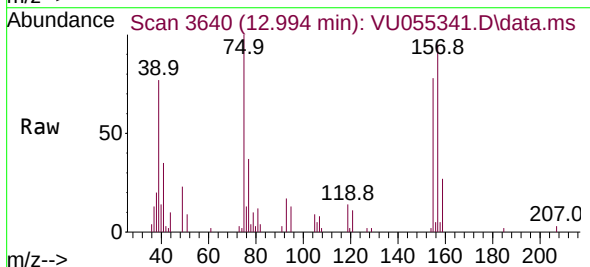
Tgt Ion: 75 Resp: 10114

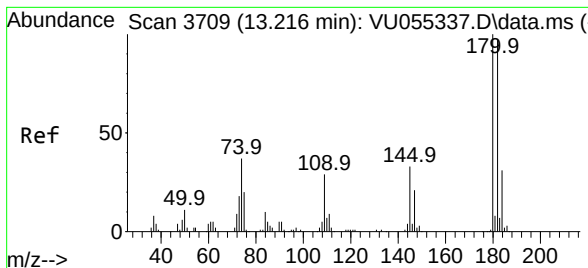
Ion Ratio Lower Upper

75 100

155 78.4 53.7 80.5

157 94.8 72.4 108.6





#69

1,3,5-Trichlorobenzene

Concen: 5.134 ug/L

RT: 13.219 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 146425

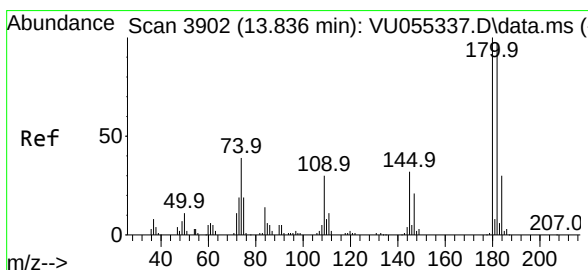
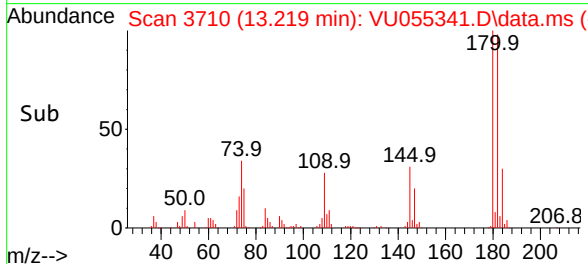
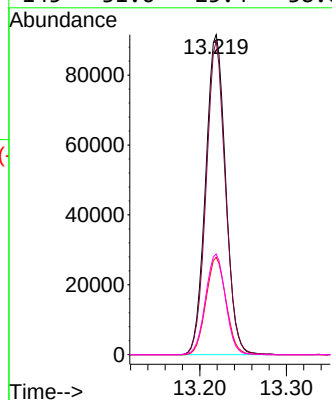
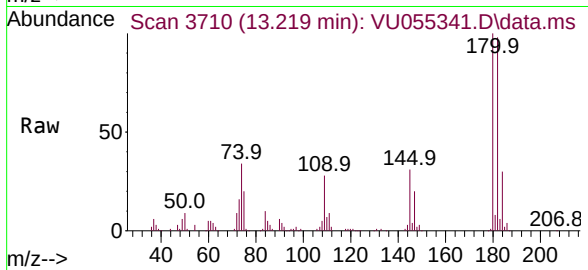
Ion Ratio Lower Upper

180 100

182 95.1 77.4 116.2

184 30.7 24.5 36.7

145 31.6 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 5.183 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.003 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

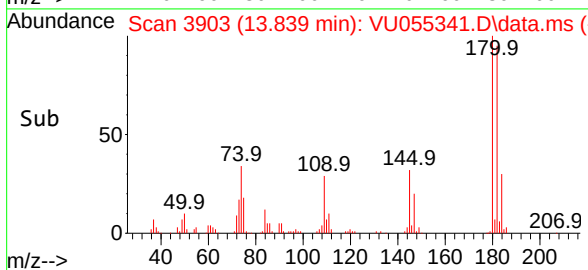
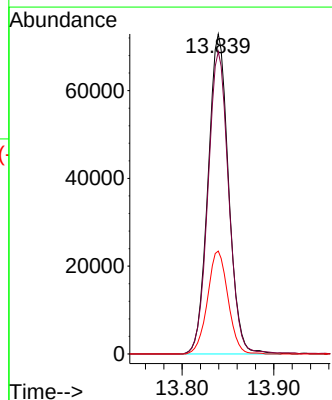
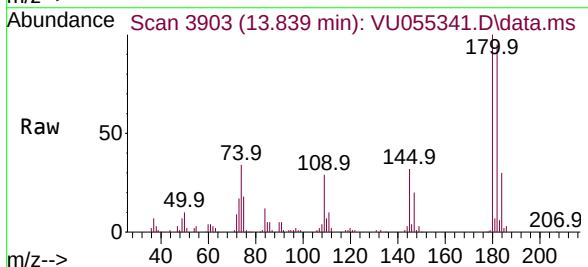
Tgt Ion:180 Resp: 113445

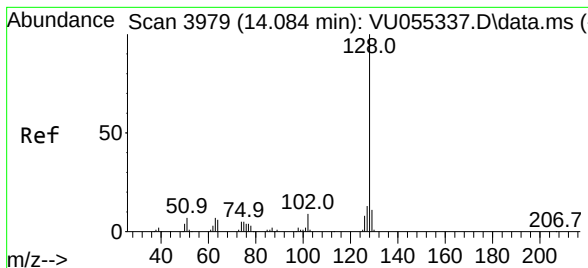
Ion Ratio Lower Upper

180 100

182 95.6 76.3 114.5

145 32.2 25.8 38.8





#71

Naphthalene

Concen: 5.693 ug/L

RT: 14.087 min Scan# 3979

Delta R.T. 0.003 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Instrument :

MSVOA_U

ClientSampleId :

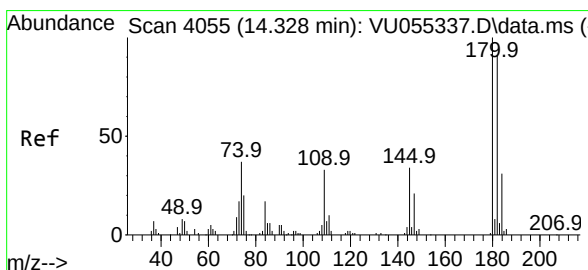
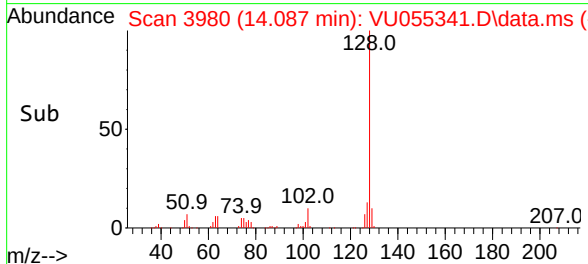
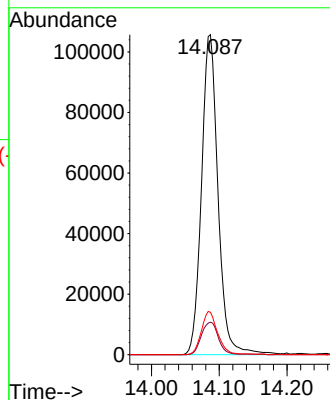
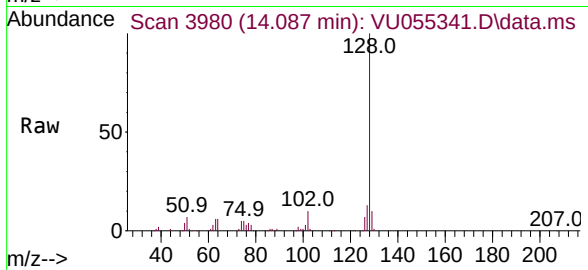
Tgt Ion:128 Resp: 179189

Ion Ratio Lower Upper

128 100

129 10.4 8.2 12.4

127 13.2 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.336 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.000 min

Lab File: VU055341.D

Acq: 15 Sep 2023 15:34

Tgt Ion:180 Resp: 101117

Ion Ratio Lower Upper

180 100

182 95.0 74.6 112.0

145 33.6 27.3 40.9

