

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111323\
 Data File : VU056321.D
 Acq On : 14 Nov 2023 21:31
 Operator : MD/SY
 Sample : 05328-14MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 02:57:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 15 01:36:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	279788	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	279748	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	136403	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	90747	4.336	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	86.800%	
7) Chloroethane-d5	1.907	69	80986	5.047	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	101.000%	
11) 1,1-Dichloroethene-d2	2.563	65	42242	4.574	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	91.400%	
20) 2-Butanone-d5	4.618	46	194726	46.664	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	93.320%	
24) Chloroform-d	5.055	84	201992	4.990	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	99.800%	
26) 1,2-Dichloroethane-d4	5.695	65	92970	4.970	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	99.400%	
32) Benzene-d6	5.721	84	380478	4.565	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.200%	
36) 1,2-Dichloropropane-d6	6.685	67	115555	4.600	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	92.000%	
41) Toluene-d8	7.894	98	338048	4.593	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.800%	
43) trans-1,3-Dichloroprop...	8.174	79	44011	4.568	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	91.400%	
46) 2-Hexanone-d5	8.627	63	176269	46.558	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	93.120%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	84931	4.732	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	94.600%	
66) 1,2-Dichlorobenzene-d4	12.187	152	117020	4.644	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	92.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	122344	5.519	ug/L	98
3) Chloromethane	1.515	50	116225	5.131	ug/L	98
5) Vinyl chloride	1.602	62	111746	5.120	ug/L	98
6) Bromomethane	1.853	94	50611	4.581	ug/L	97
8) Chloroethane	1.927	64	79131	5.935	ug/L	94
9) Trichlorofluoromethane	2.136	101	177058	5.629	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	102236	5.475	ug/L	99
12) 1,1-Dichloroethene	2.576	96	92847	5.421	ug/L	91
13) Acetone	2.624	43	109757	30.882	ug/L	98
14) Carbon disulfide	2.788	76	288048	5.168	ug/L	99
15) Methyl Acetate	2.946	43	27572	4.359	ug/L	99
16) Methylene chloride	3.042	84	101020	4.457	ug/L	94
17) Methyl tert-butyl Ether	3.354	73	218448	5.250	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	96708	5.488	ug/L	99
19) 1,1-Dichloroethane	3.862	63	188114	5.389	ug/L	99
21) 2-Butanone	4.698	43	189084	41.000	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	107645	5.386	ug/L	98
23) Bromochloromethane	4.965	128	43631	5.304	ug/L	95
25) Chloroform	5.081	83	199628	5.278	ug/L	98

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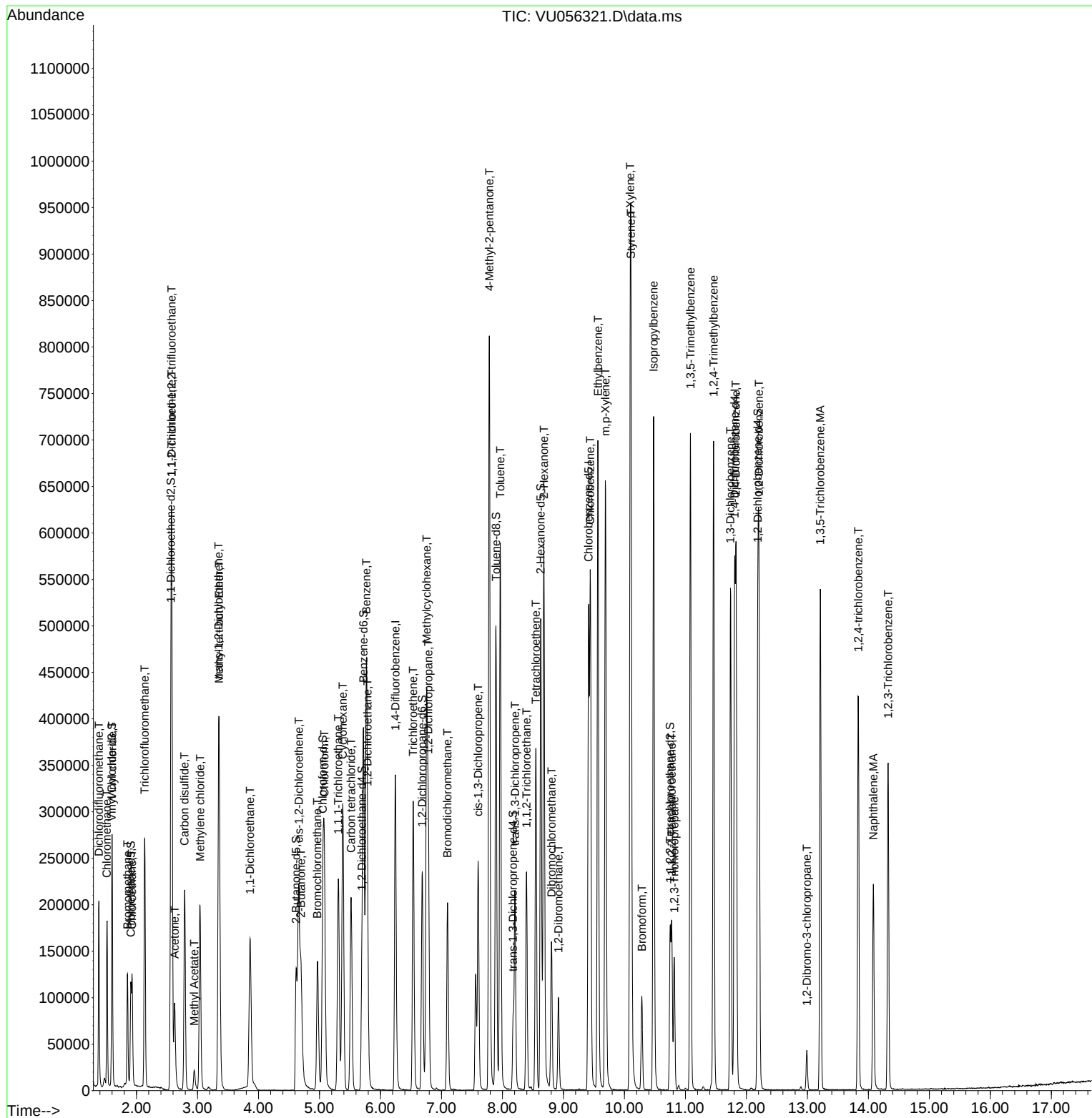
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	115956	5.400	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	172910	5.385	ug/L	99
30) Cyclohexane	5.383	56	155415	5.099	ug/L	99
31) Carbon tetrachloride	5.518	117	145687	5.282	ug/L	97
33) Benzene	5.769	78	419429	5.255	ug/L	100
34) Trichloroethene	6.537	95	112124	5.156	ug/L	97
35) Methylcyclohexane	6.759	83	166596	5.306	ug/L	97
37) 1,2-Dichloropropane	6.785	63	108419	5.208	ug/L	100
38) Bromodichloromethane	7.100	83	135130	5.029	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	153645	5.023	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	502366	48.685	ug/L	99
42) Toluene	7.965	91	441976	5.348	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	125071	5.129	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	72612	5.238	ug/L	97
47) Tetrachloroethene	8.550	164	77994	5.318	ug/L	98
48) 2-Hexanone	8.679	43	356516	44.350	ug/L	99
49) Dibromochloromethane	8.804	129	83015	5.266	ug/L	100
50) 1,2-Dibromoethane	8.920	107	66581	5.087	ug/L	97
51) Chlorobenzene	9.441	112	286269	5.391	ug/L	99
52) Ethylbenzene	9.566	91	507695	5.532	ug/L	99
53) m,p-Xylene	9.688	106	188335	5.583	ug/L	95
54) o-Xylene	10.097	106	177969	5.431	ug/L	99
55) Styrene	10.110	104	297754	5.462	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	87215	5.152	ug/L	99
59) Bromoform	10.286	173	45078	5.305	ug/L	99
60) Isopropylbenzene	10.479	105	480428	5.461	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	61629	5.266	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	391062	5.414	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	390257	5.474	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	219842	5.494	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	212297	5.289	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	197468	5.379	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.991	75	11785	4.714	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	160694	5.334	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	125851	5.129	ug/L	98
71) Naphthalene	14.084	128	182663	4.927	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	104537	5.172	ug/L	97

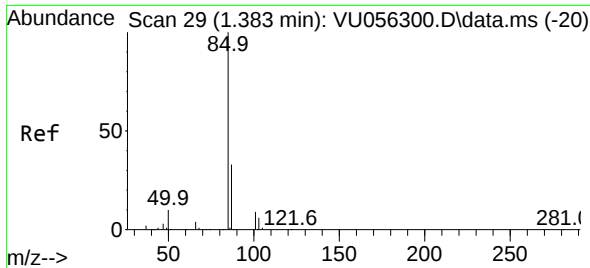
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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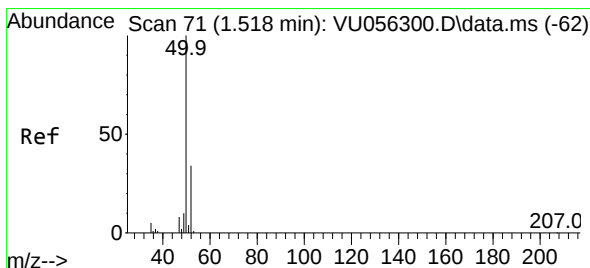
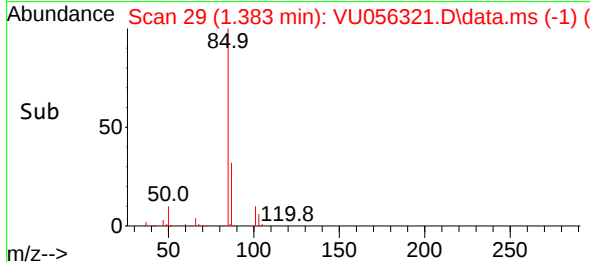
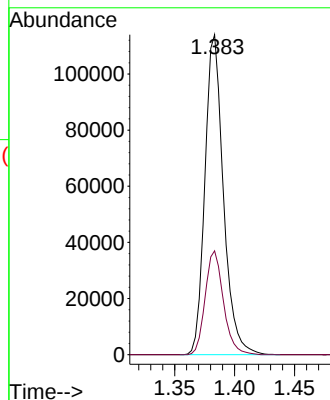
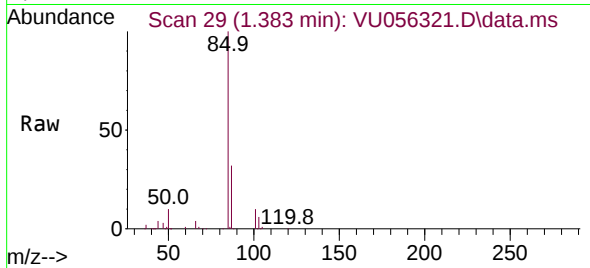




#2
 Dichlorodifluoromethane
 Concen: 5.519 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU056321.D
 Acq: 14 Nov 2023 21:31

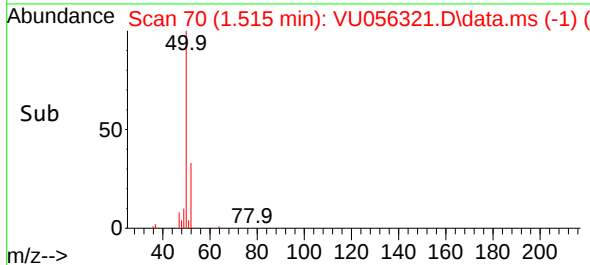
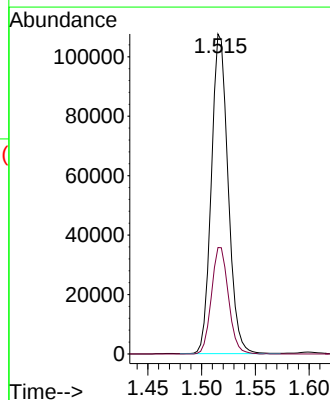
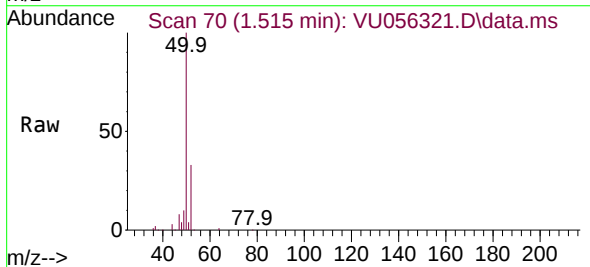
Instrument :
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 ClientSampleId :

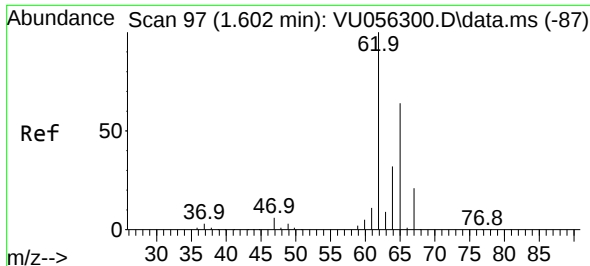
Tgt Ion: 85 Resp: 122344
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.0 37.4



#3
 Chloromethane
 Concen: 5.131 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU056321.D
 Acq: 14 Nov 2023 21:31

Tgt Ion: 50 Resp: 116225
 Ion Ratio Lower Upper
 50 100
 52 33.3 24.3 45.1

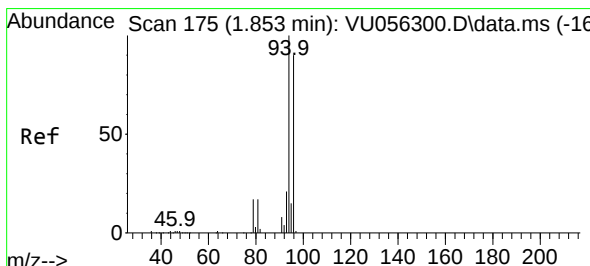
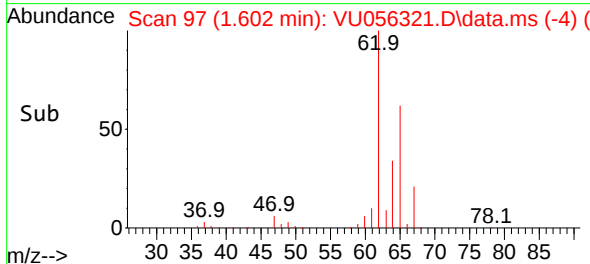
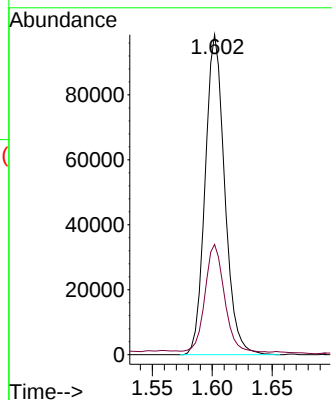
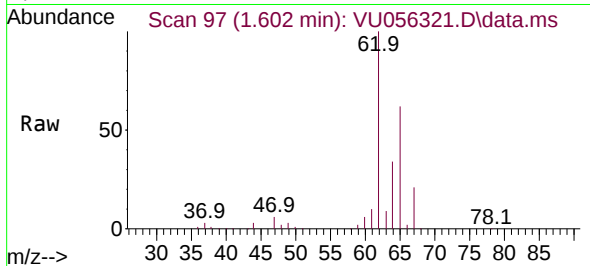




#5
 Vinyl chloride
 Concen: 5.120 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VU056321.D
 Acq: 14 Nov 2023 21:31

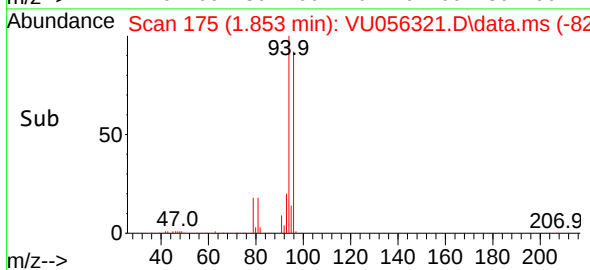
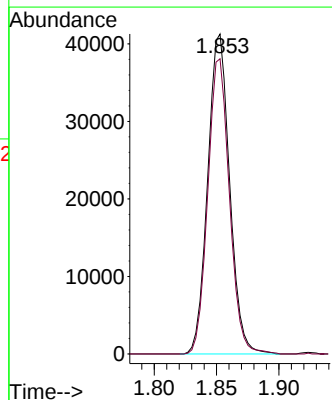
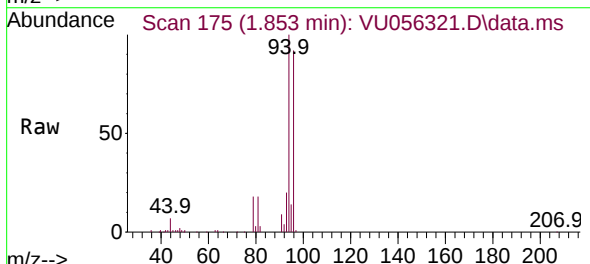
Instrument :
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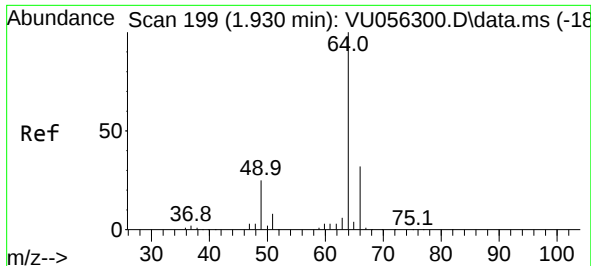
Tgt Ion: 62 Resp: 111746
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.3 43.3



#6
 Bromomethane
 Concen: 4.581 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU056321.D
 Acq: 14 Nov 2023 21:31

Tgt Ion: 94 Resp: 50611
 Ion Ratio Lower Upper
 94 100
 96 92.2 62.6 116.2

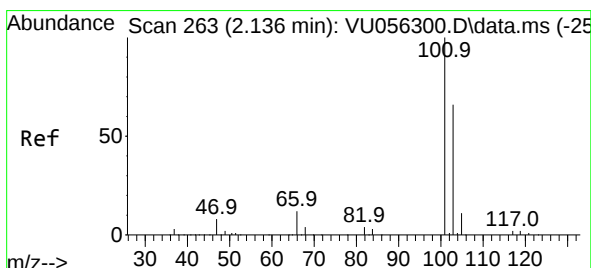
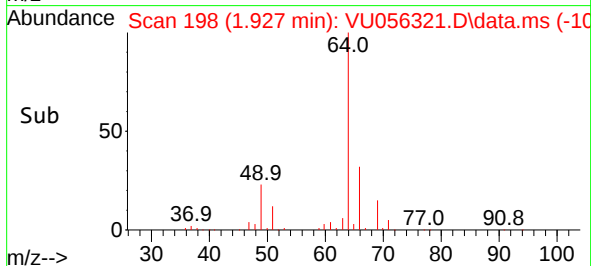
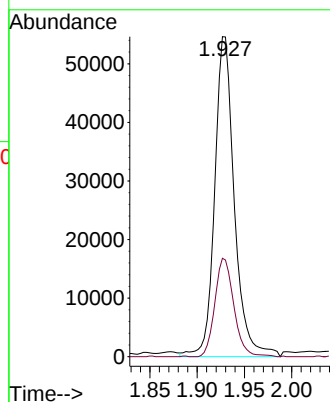
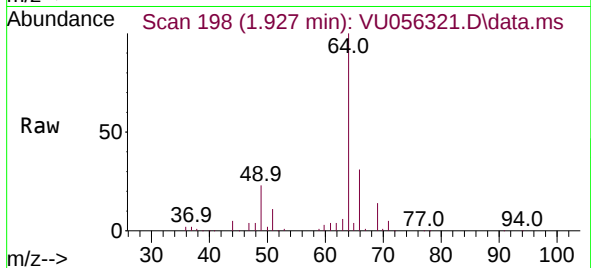




#8
Chloroethane
Concen: 5.935 ug/L
RT: 1.927 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

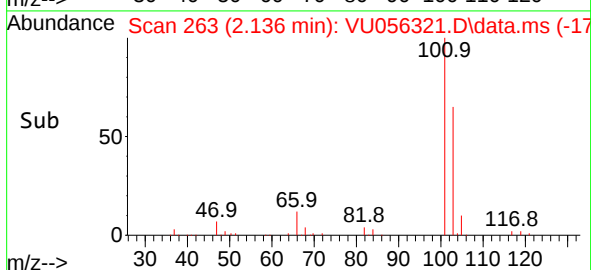
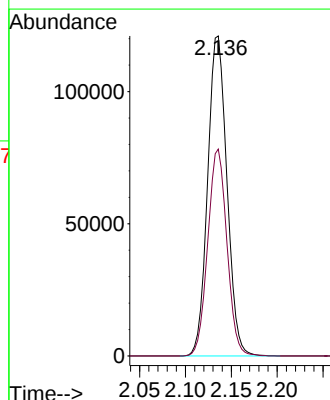
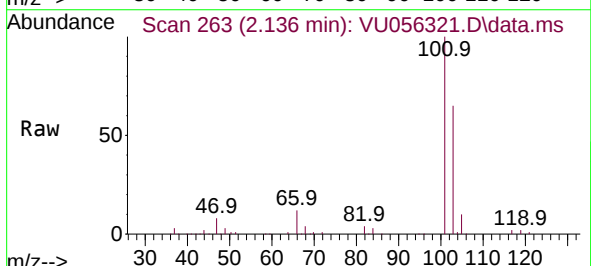
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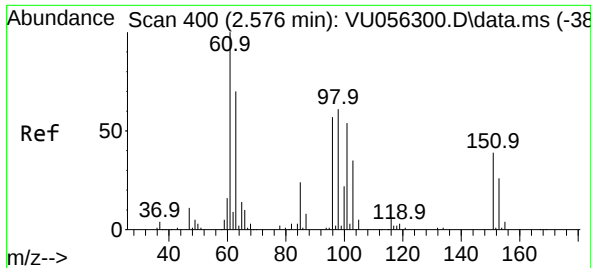
Tgt Ion: 64 Resp: 79131
Ion Ratio Lower Upper
64 100
66 30.7 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.629 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

Tgt Ion:101 Resp: 177058
Ion Ratio Lower Upper
101 100
103 64.2 52.0 78.0

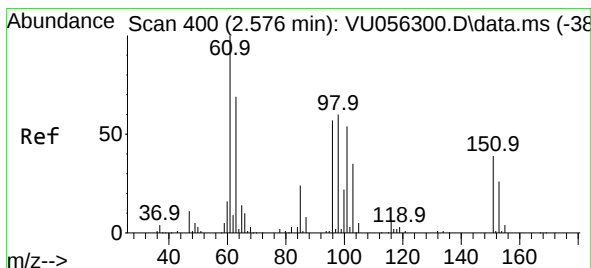
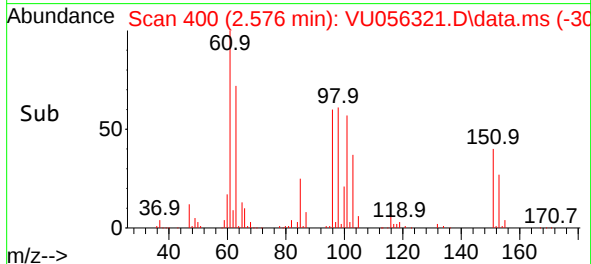
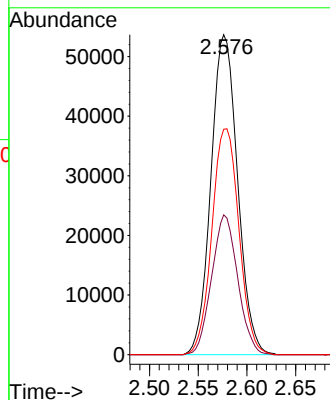
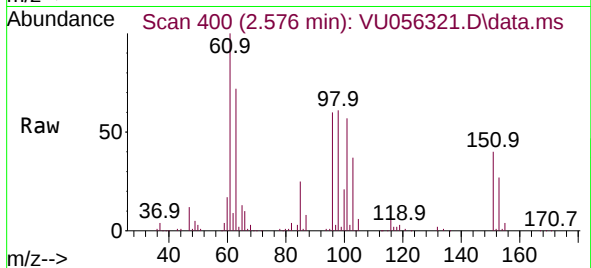




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.475 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056321.D
 Acq: 14 Nov 2023 21:31

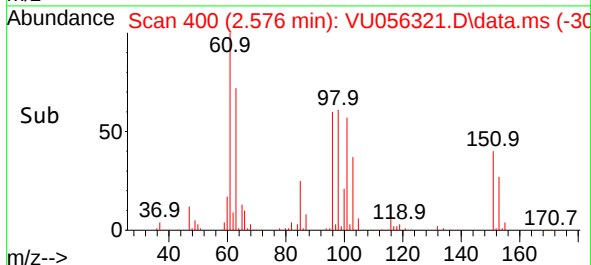
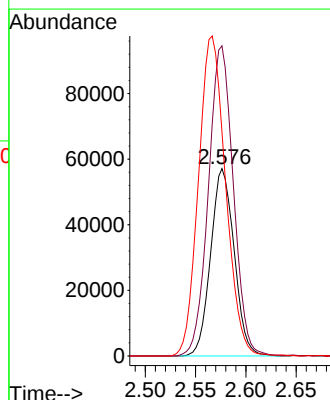
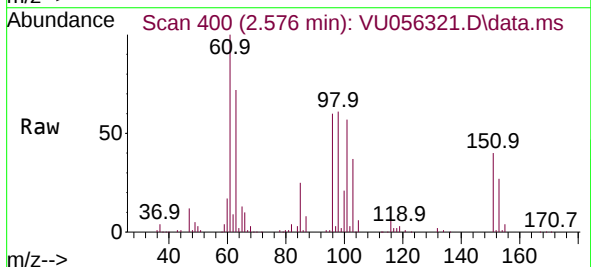
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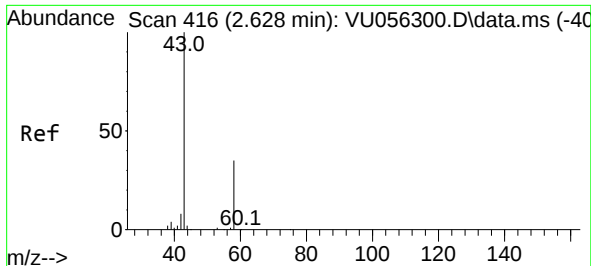
Tgt Ion:101 Resp: 102236
 Ion Ratio Lower Upper
 101 100
 85 42.8 35.4 53.0
 151 71.6 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 5.421 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056321.D
 Acq: 14 Nov 2023 21:31

Tgt Ion: 96 Resp: 92847
 Ion Ratio Lower Upper
 96 100
 61 165.5 123.1 228.7
 63 119.6 93.3 173.3





#13

Acetone

Concen: 30.882 ug/L

RT: 2.624 min Scan# 416

Delta R.T. -0.003 min

Lab File: VU056321.D

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Instrument :

MSVOA_U

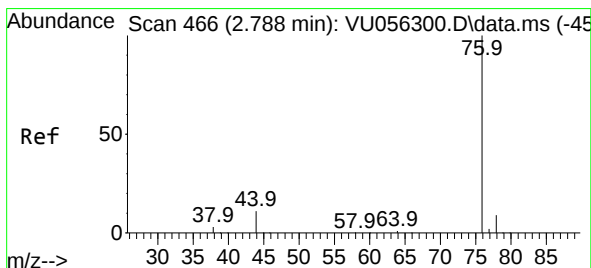
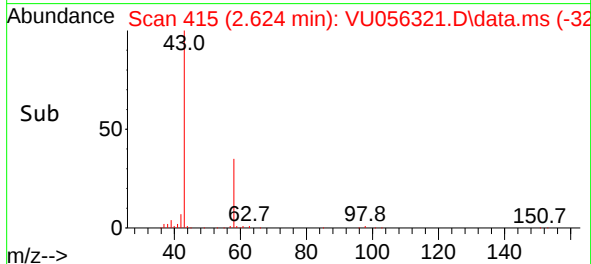
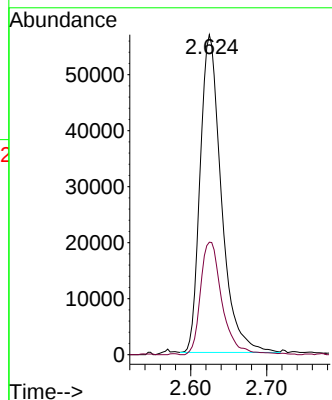
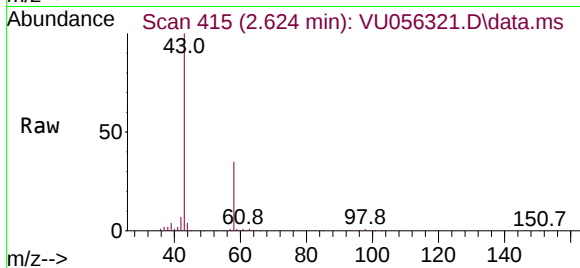
ClientSampleId :

Tgt Ion: 43 Resp: 109757

Ion Ratio Lower Upper

43 100

58 36.0 0.0 70.0



#14

Carbon disulfide

Concen: 5.168 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056321.D

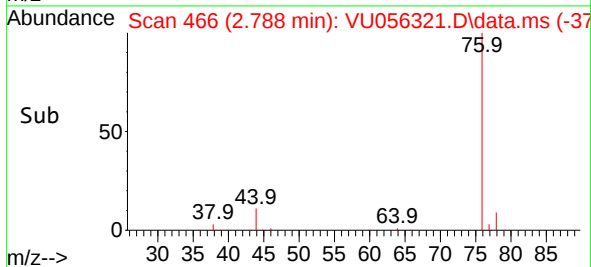
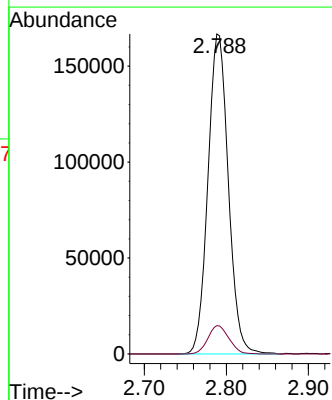
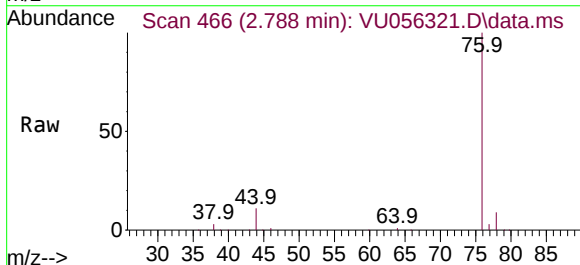
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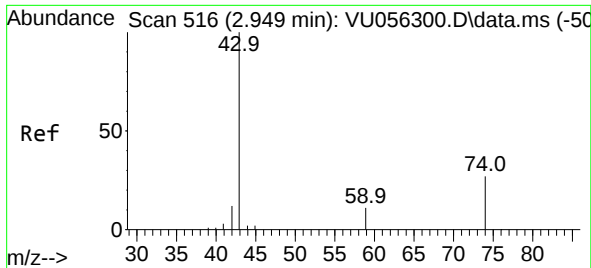
Tgt Ion: 76 Resp: 288048

Ion Ratio Lower Upper

76 100

78 8.9 6.8 10.2

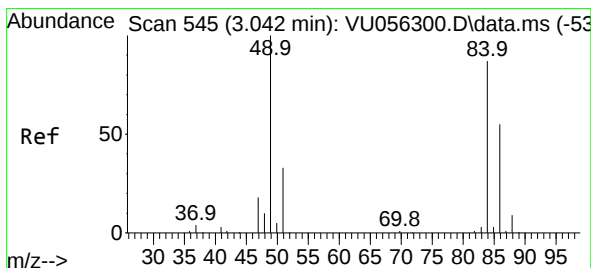
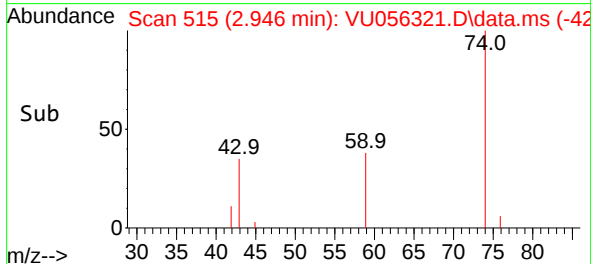
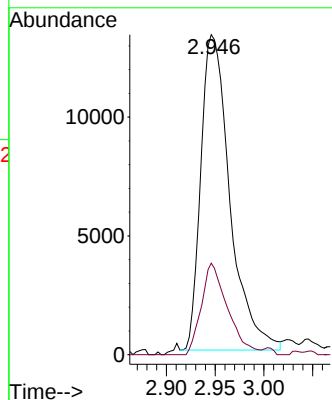
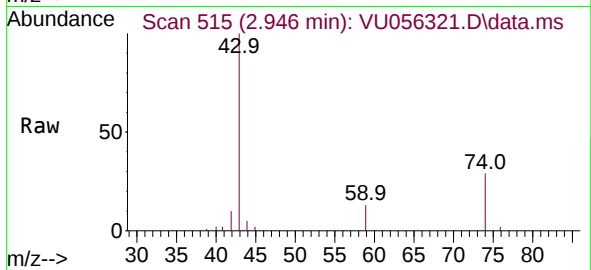




#15
Methyl Acetate
Concen: 4.359 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

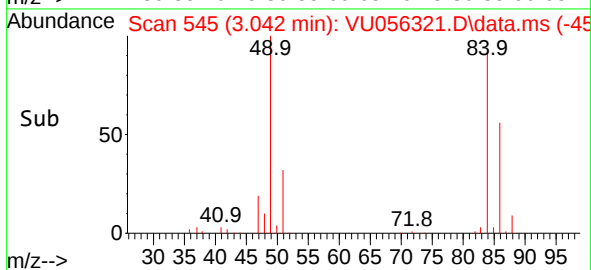
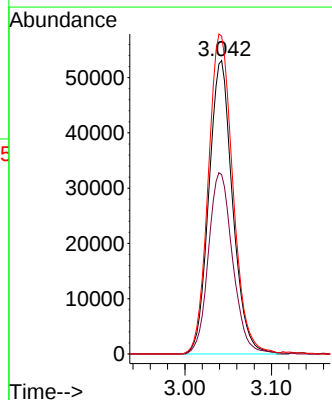
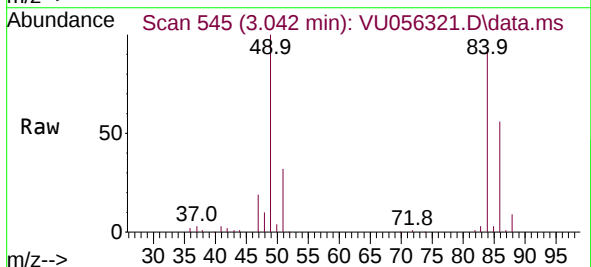
Instrument :
MSVOA_U
ClientSampleId :

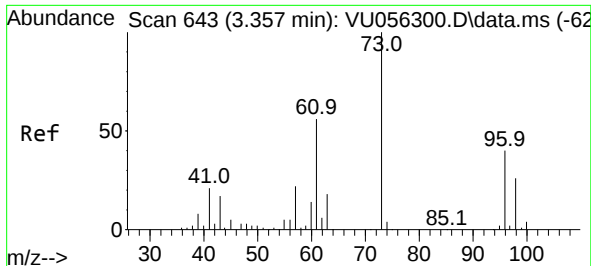
Tgt Ion: 43 Resp: 27572
Ion Ratio Lower Upper
43 100
74 26.1 20.6 31.0



#16
Methylene chloride
Concen: 4.457 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

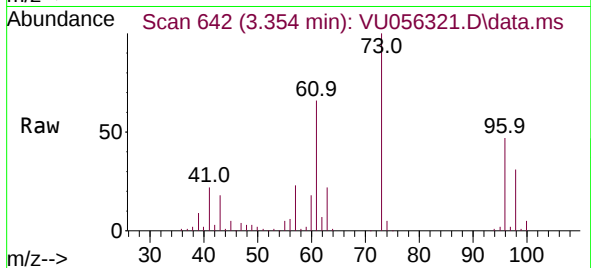
Tgt Ion: 84 Resp: 101020
Ion Ratio Lower Upper
84 100
86 61.2 44.7 83.1
49 108.3 81.8 152.0



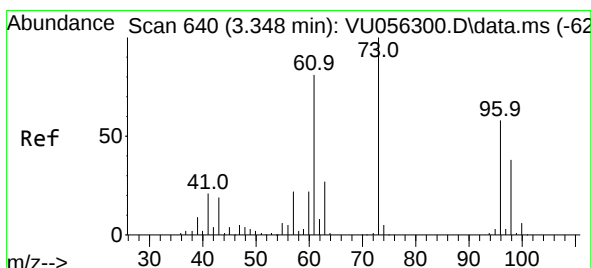
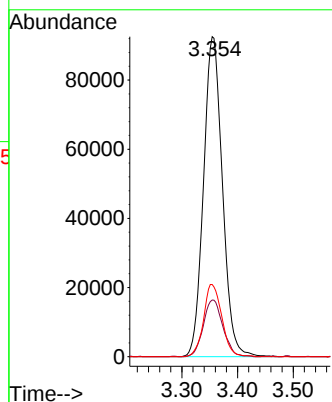
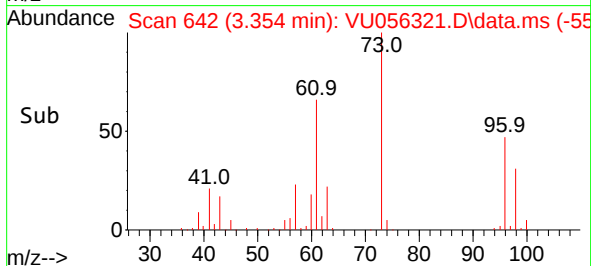


#17
Methyl tert-butyl Ether
Concen: 5.250 ug/L
RT: 3.354 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

Instrument :
MSVOA_U
ClientSampleId :

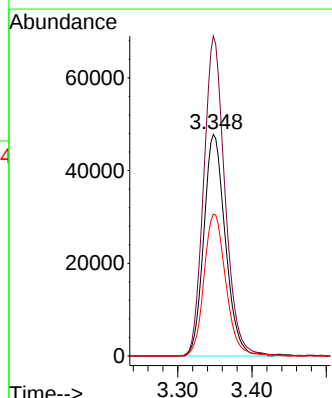
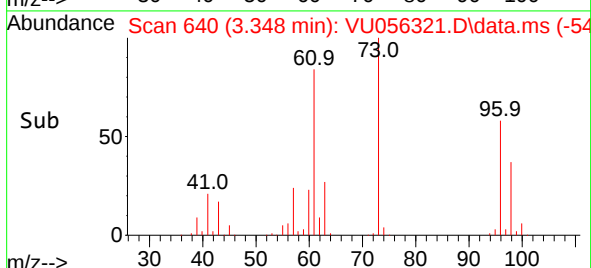
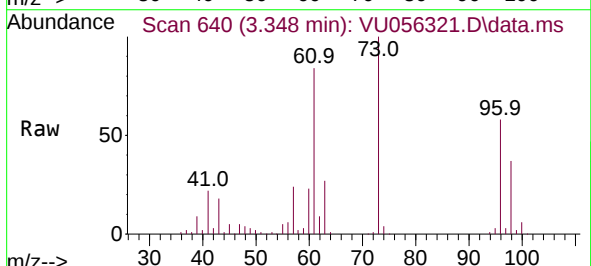


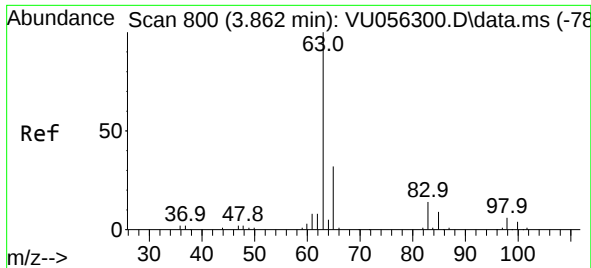
Tgt Ion: 73 Resp: 218448
Ion Ratio Lower Upper
73 100
43 18.3 15.1 22.7
57 21.7 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.488 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

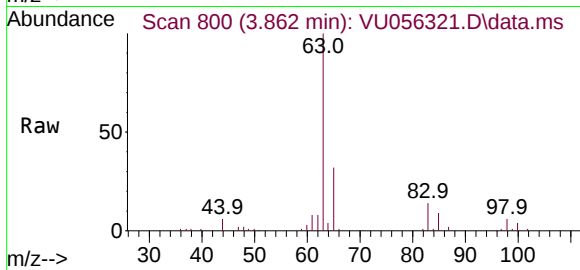
Tgt Ion: 96 Resp: 96708
Ion Ratio Lower Upper
96 100
61 144.4 101.7 188.9
98 64.0 43.0 80.0



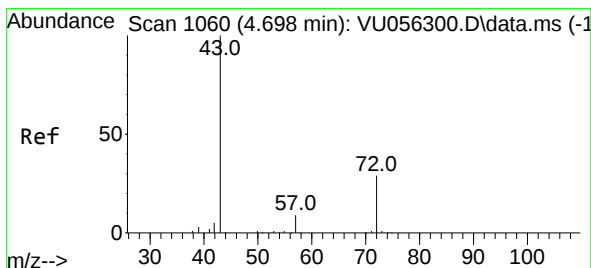
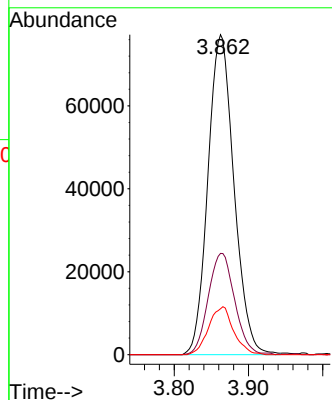
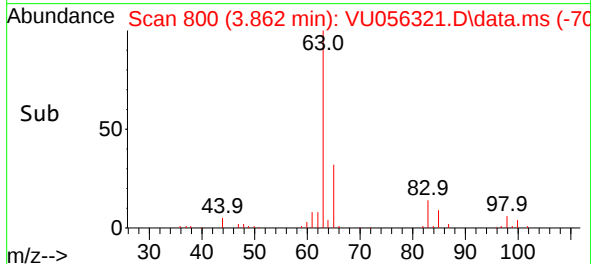


#19
1,1-Dichloroethane
Concen: 5.389 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

Instrument :
MSVOA_U
ClientSampleId :

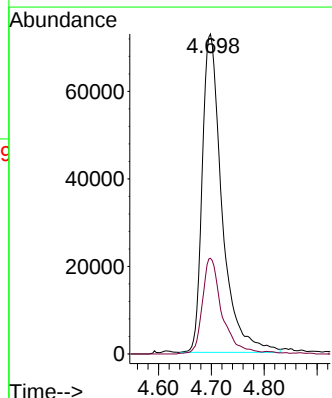
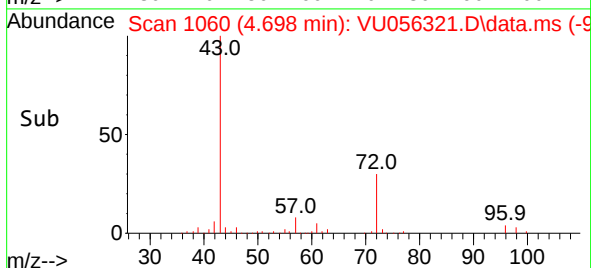
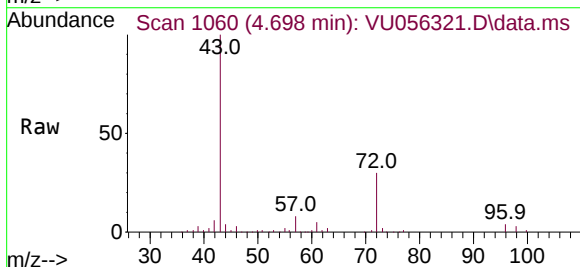


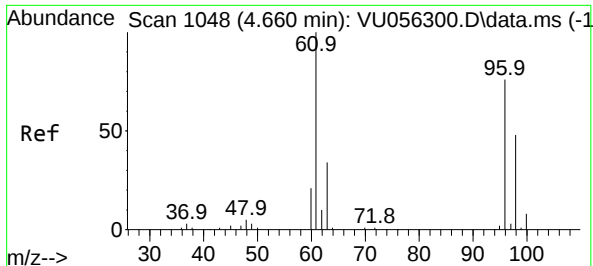
Tgt Ion: 63 Resp: 188114
Ion Ratio Lower Upper
63 100
65 31.7 21.8 40.6
83 14.3 9.7 17.9



#21
2-Butanone
Concen: 41.000 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

Tgt Ion: 43 Resp: 189084
Ion Ratio Lower Upper
43 100
72 29.7 14.2 42.6





#22

cis-1,2-Dichloroethene

Concen: 5.386 ug/L

RT: 4.663 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

Instrument :

MSVOA_U

ClientSampleId :

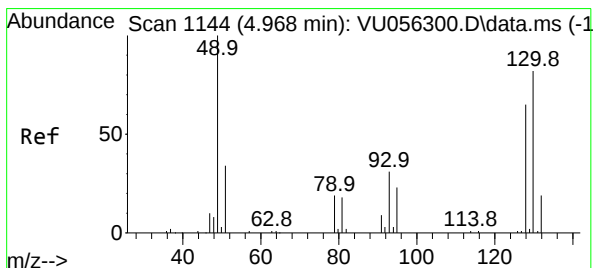
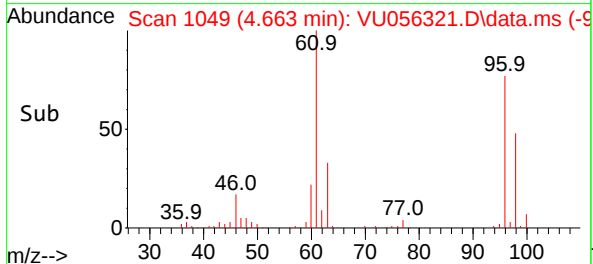
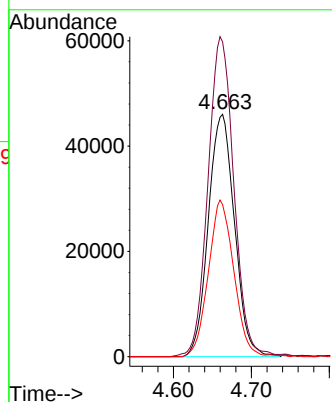
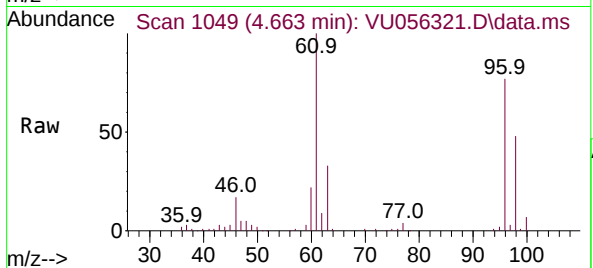
Tgt Ion: 96 Resp: 107645

Ion Ratio Lower Upper

96 100

61 129.8 93.2 173.2

98 62.7 44.8 83.2



#23

Bromochloromethane

Concen: 5.304 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.003 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

Tgt Ion: 128 Resp: 43631

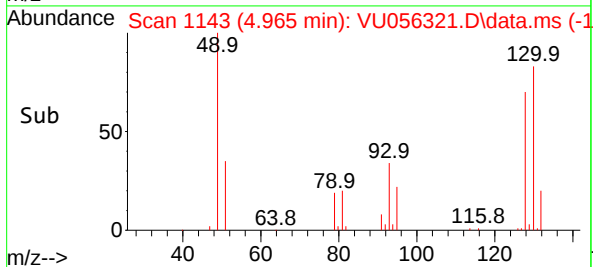
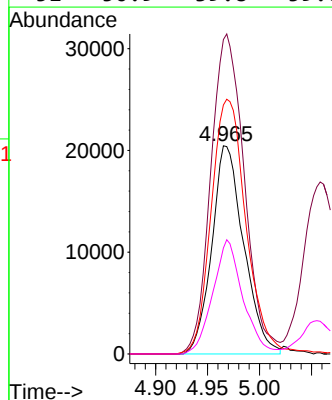
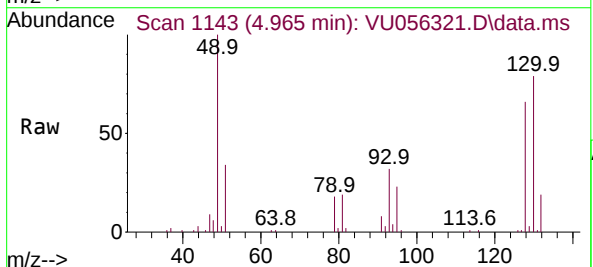
Ion Ratio Lower Upper

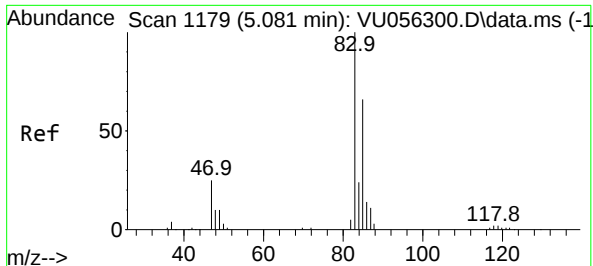
128 100

49 151.0 113.4 210.6

130 119.5 84.8 157.6

51 50.9 39.8 59.6

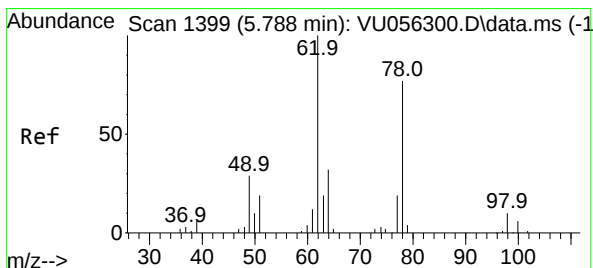
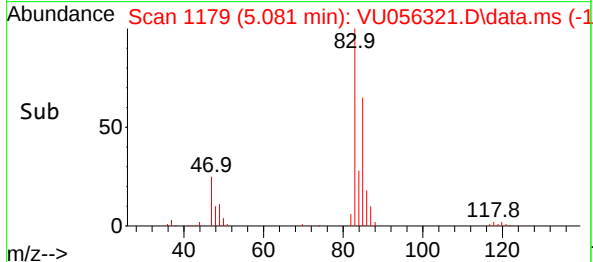
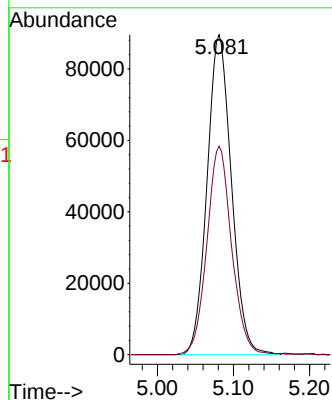
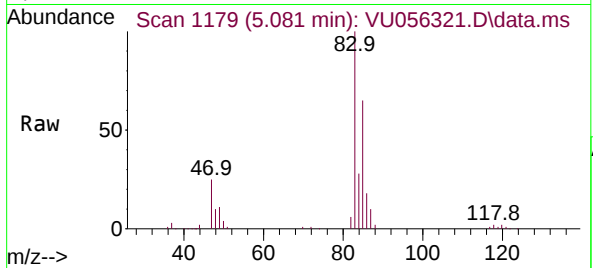




#25
Chloroform
Concen: 5.278 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

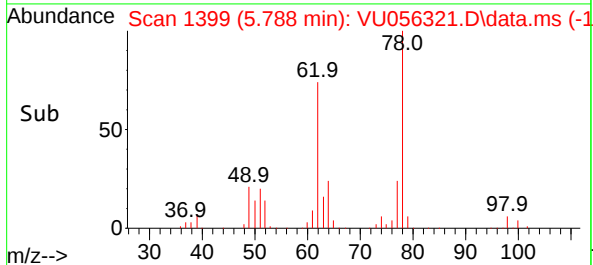
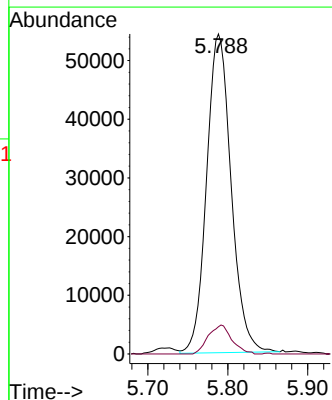
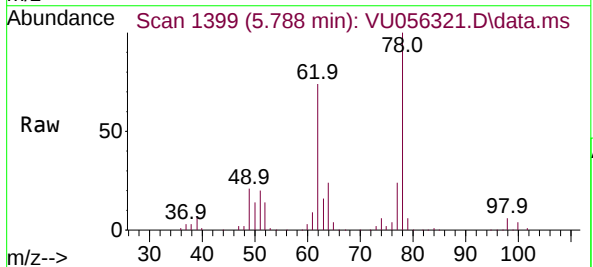
Instrument :
MSVOA_U
ClientSampleId :

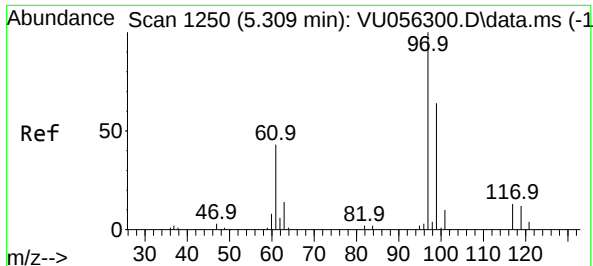
Tgt Ion: 83 Resp: 199628
Ion Ratio Lower Upper
83 100
85 65.1 47.0 87.2



#27
1,2-Dichloroethane
Concen: 5.400 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

Tgt Ion: 62 Resp: 115956
Ion Ratio Lower Upper
62 100
98 8.5 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.385 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

Instrument :

MSVOA_U

ClientSampleId :

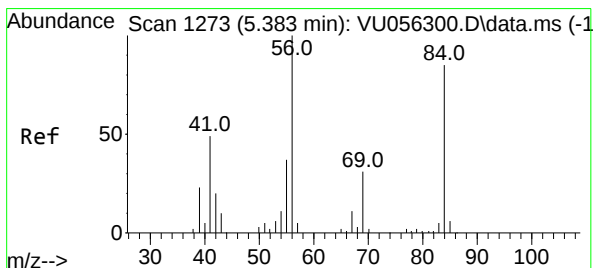
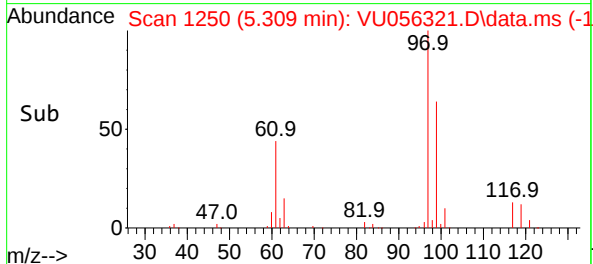
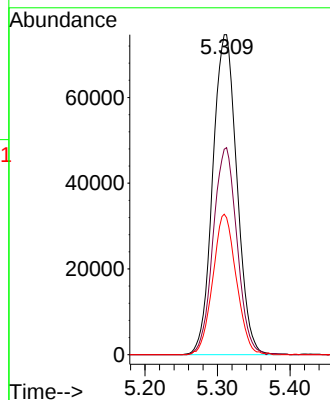
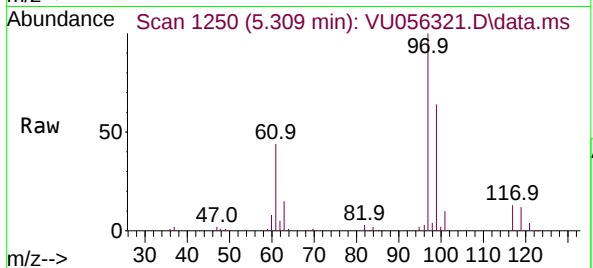
Tgt Ion: 97 Resp: 172910

Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 42.6 34.3 51.5



#30

Cyclohexane

Concen: 5.099 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

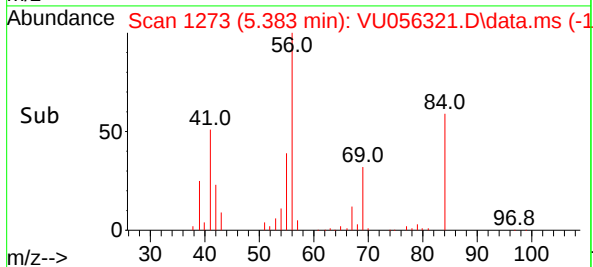
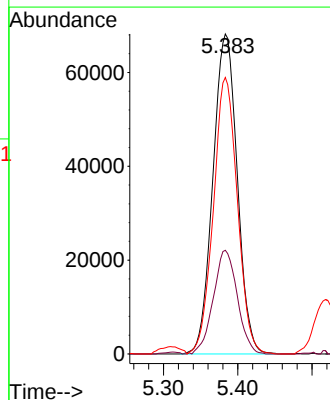
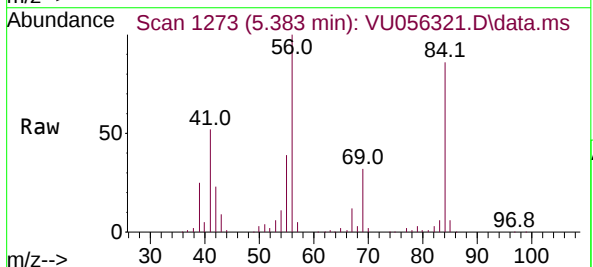
Tgt Ion: 56 Resp: 155415

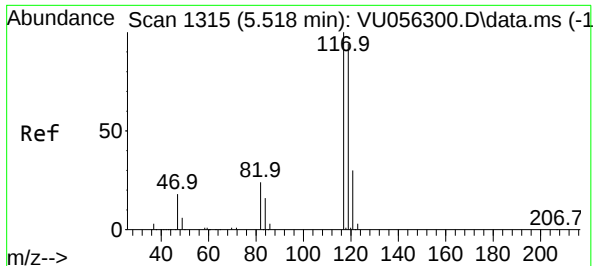
Ion Ratio Lower Upper

56 100

69 32.0 25.4 38.2

84 85.1 68.6 103.0

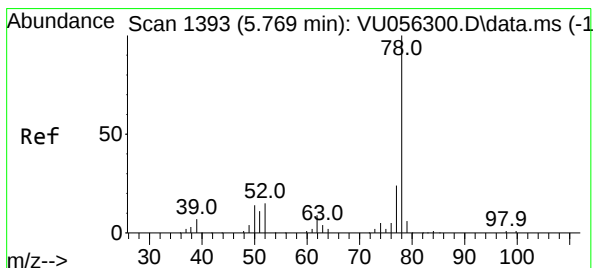
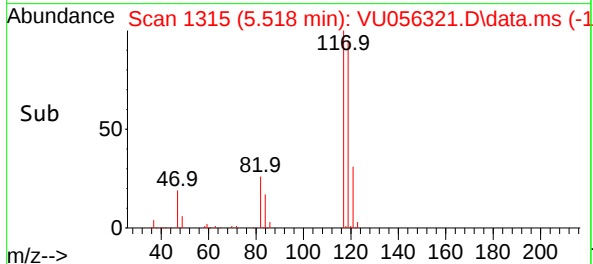
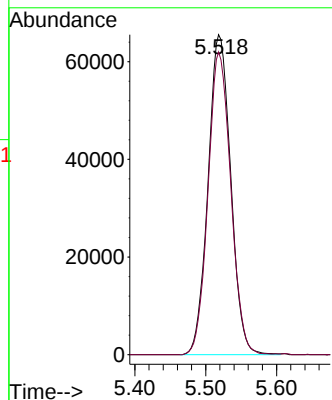
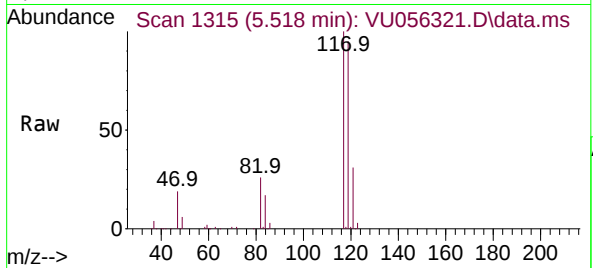




#31
Carbon tetrachloride
Concen: 5.282 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

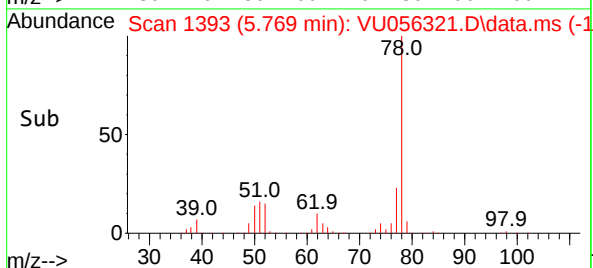
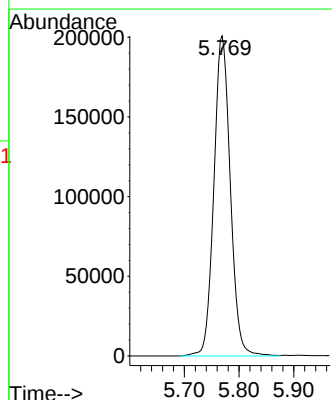
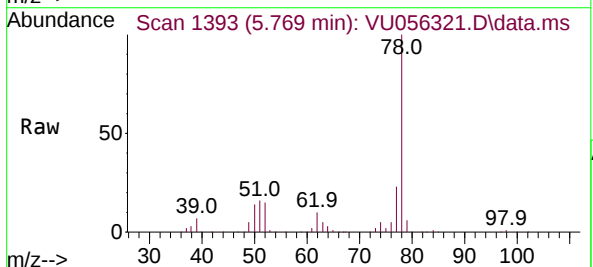
Instrument :
MSVOA_U
ClientSampleId :

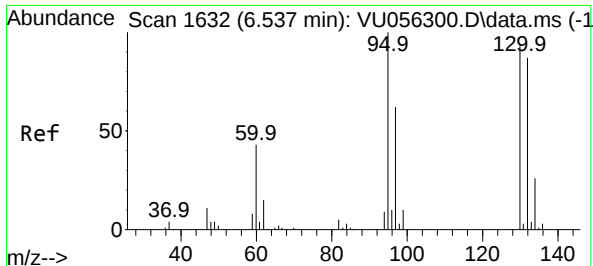
Tgt Ion:117 Resp: 145687
Ion Ratio Lower Upper
117 100
119 94.7 78.1 117.1



#33
Benzene
Concen: 5.255 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

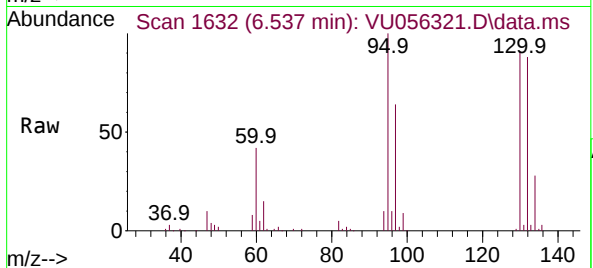
Tgt Ion: 78 Resp: 419429



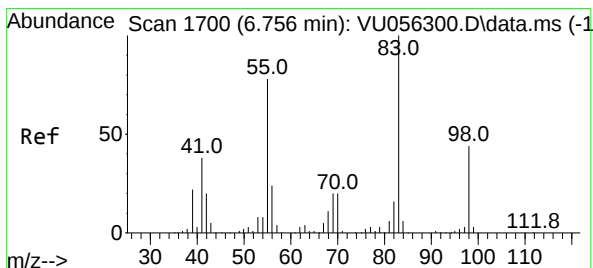
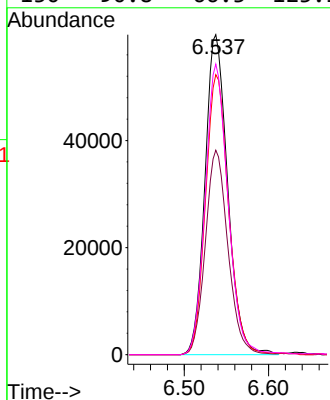
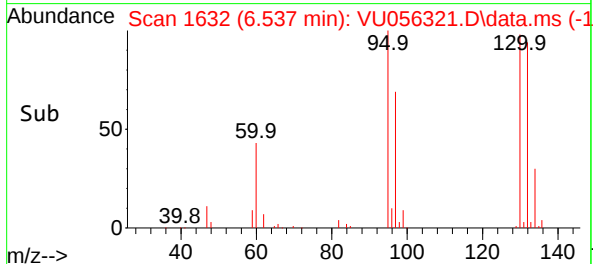


#34
Trichloroethene
Concen: 5.156 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

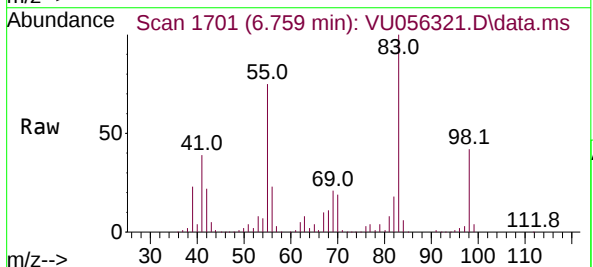
Instrument :
MSVOA_U
ClientSampleId :



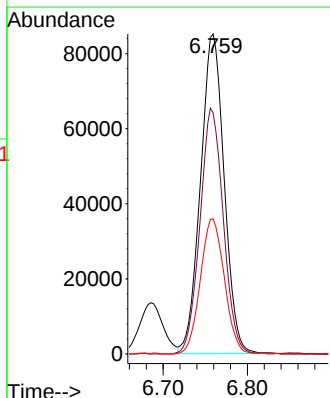
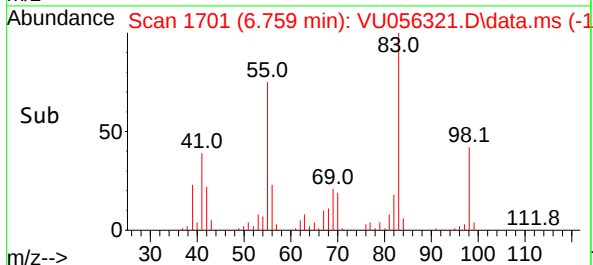
Tgt Ion: 95 Resp: 112124
Ion Ratio Lower Upper
95 100
97 63.9 46.5 86.3
132 87.5 62.0 115.2
130 90.8 66.3 123.1

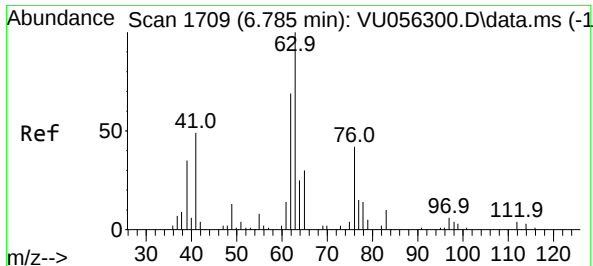


#35
Methylcyclohexane
Concen: 5.306 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31



Tgt Ion: 83 Resp: 166596
Ion Ratio Lower Upper
83 100
55 75.6 62.9 94.3
98 42.8 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.208 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

Instrument :

MSVOA_U

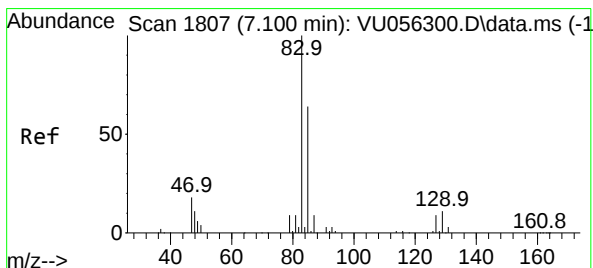
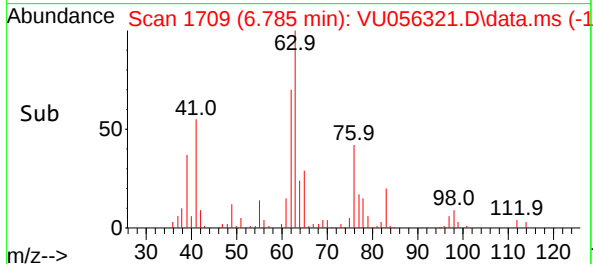
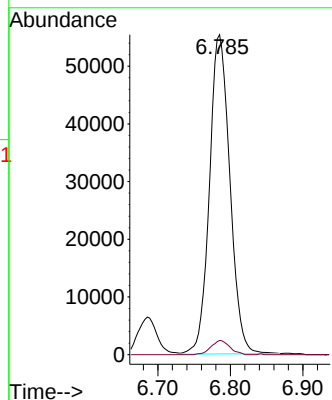
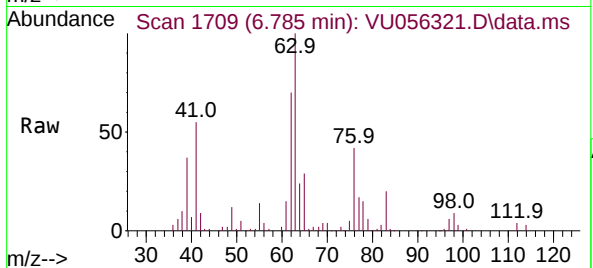
ClientSampleId :

Tgt Ion: 63 Resp: 108419

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



#38

Bromodichloromethane

Concen: 5.029 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

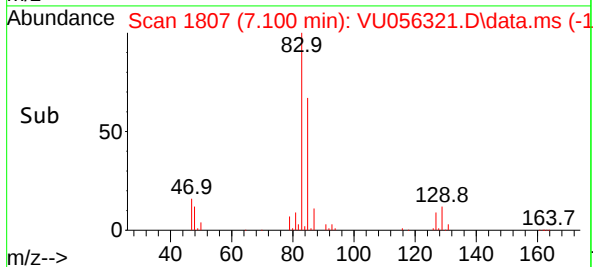
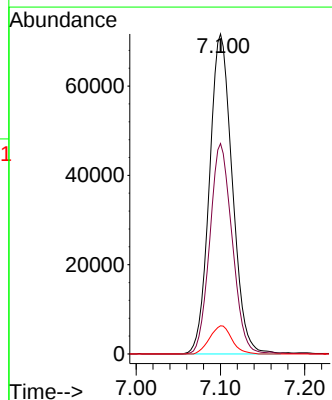
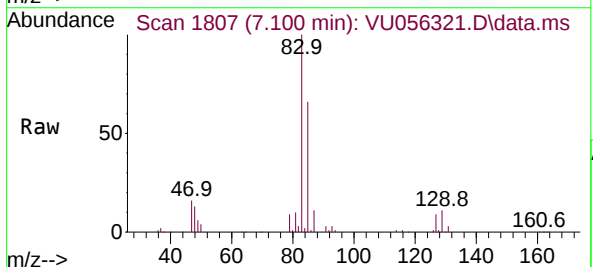
Tgt Ion: 83 Resp: 135130

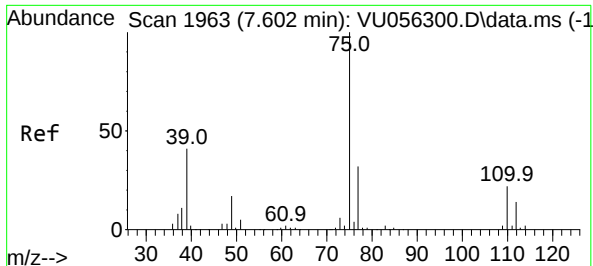
Ion Ratio Lower Upper

83 100

85 65.8 44.9 83.5

127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.023 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

Instrument :

MSVOA_U

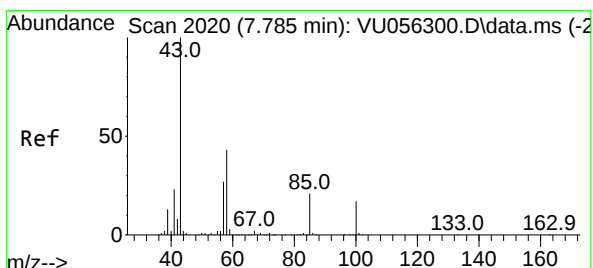
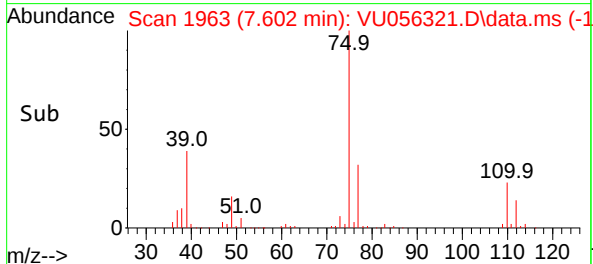
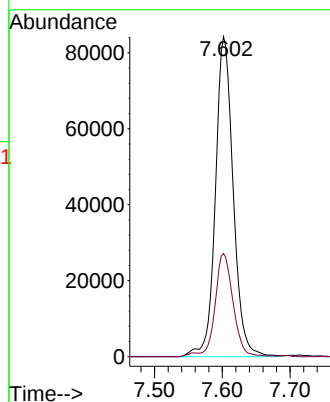
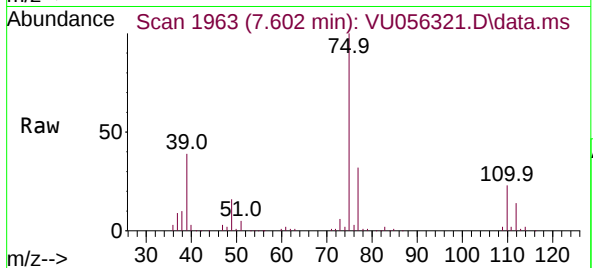
ClientSampleId :

Tgt Ion: 75 Resp: 153645

Ion Ratio Lower Upper

75 100

77 32.2 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 48.685 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

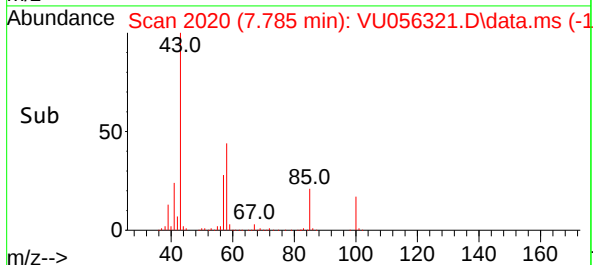
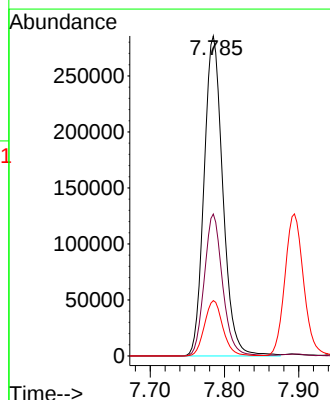
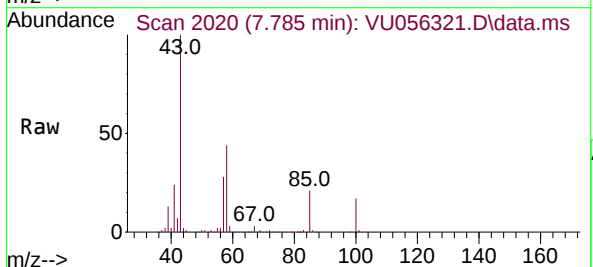
Tgt Ion: 43 Resp: 502366

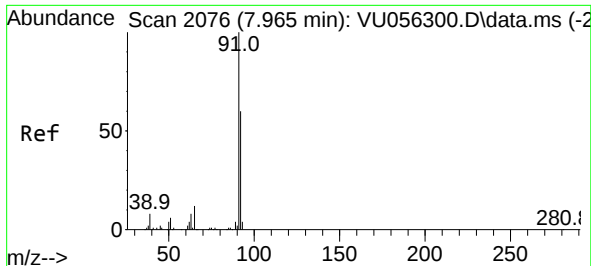
Ion Ratio Lower Upper

43 100

58 43.1 33.8 50.8

100 17.0 13.0 19.4





#42

Toluene

Concen: 5.348 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

Instrument :

MSVOA_U

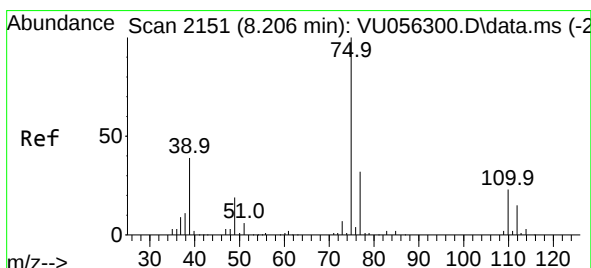
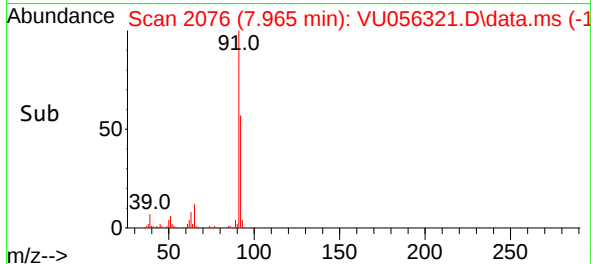
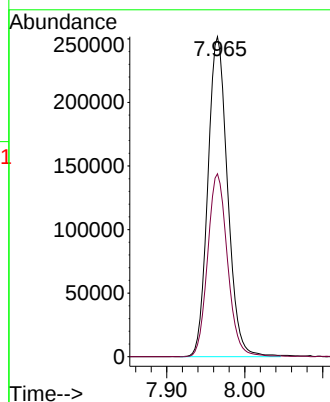
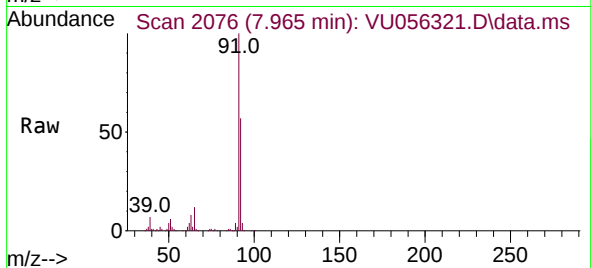
ClientSampleId :

Tgt Ion: 91 Resp: 441976

Ion Ratio Lower Upper

91 100

92 57.1 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.129 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056321.D

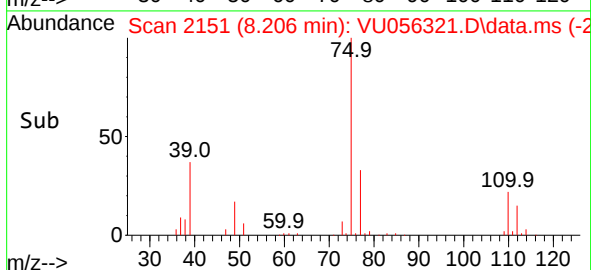
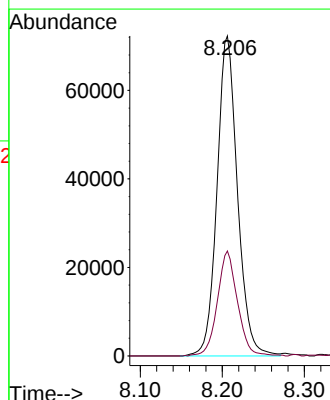
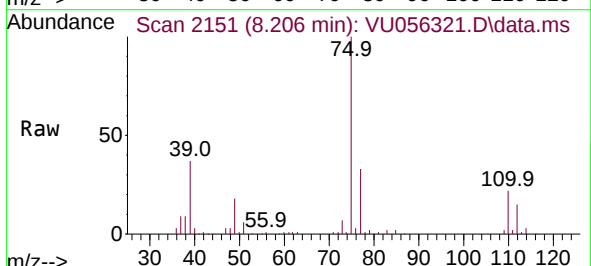
Acq: 14 Nov 2023 21:31

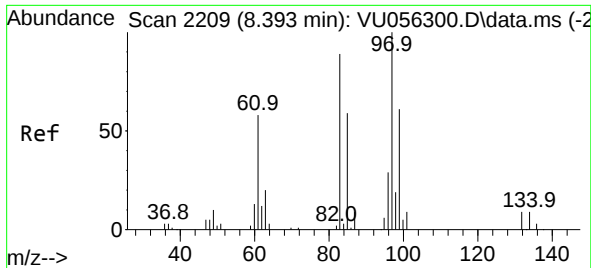
Tgt Ion: 75 Resp: 125071

Ion Ratio Lower Upper

75 100

77 32.8 22.8 42.4

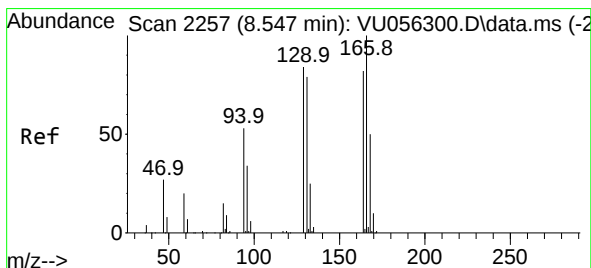
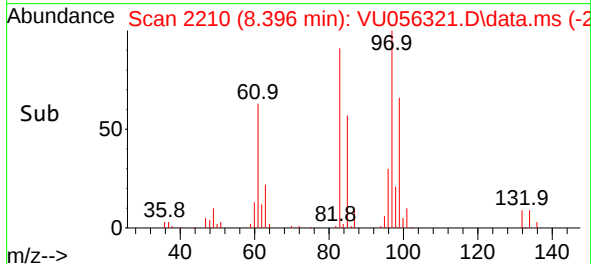
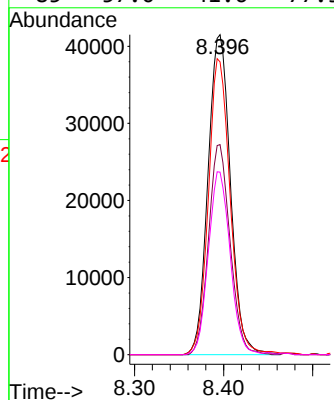
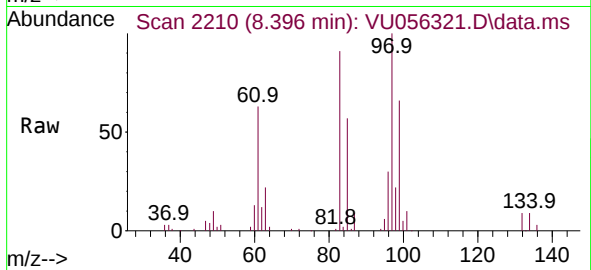




#45
1,1,2-Trichloroethane
Concen: 5.238 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

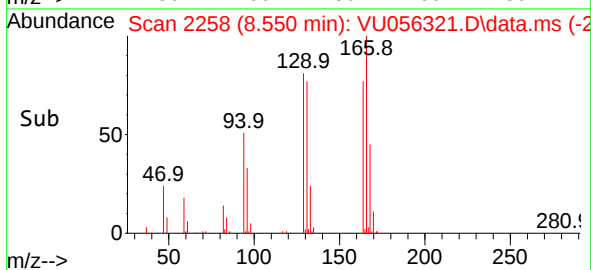
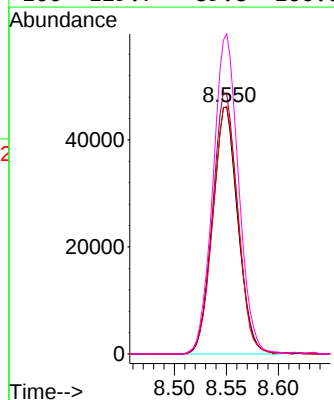
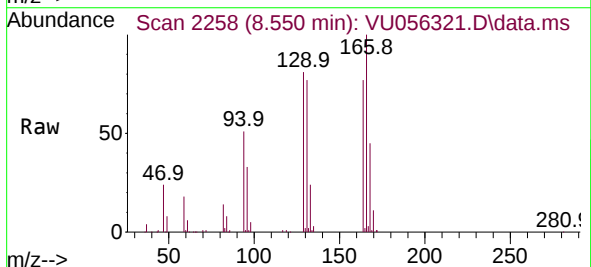
Instrument :
MSVOA_U
ClientSampleId :

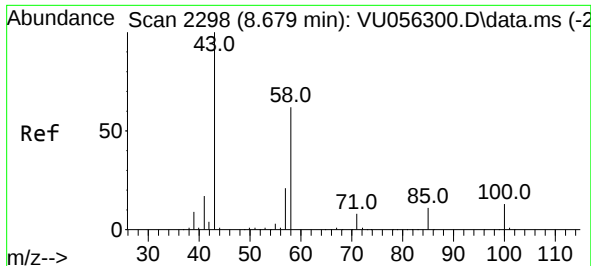
Tgt Ion:	97	Resp:	72612
Ion	Ratio	Lower	Upper
97	100		
99	65.7	44.3	82.3
83	91.5	65.4	121.4
85	57.0	41.6	77.3



#47
Tetrachloroethene
Concen: 5.318 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

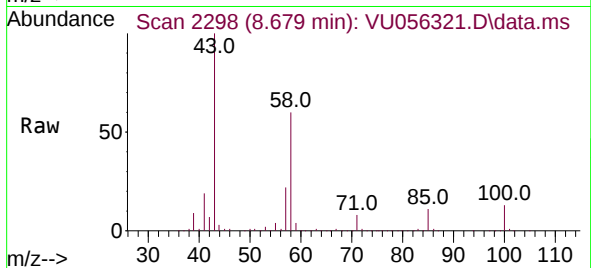
Tgt Ion:	164	Resp:	77994
Ion	Ratio	Lower	Upper
164	100		
129	105.2	71.0	131.9
131	100.4	70.3	130.7
166	129.7	89.8	166.8



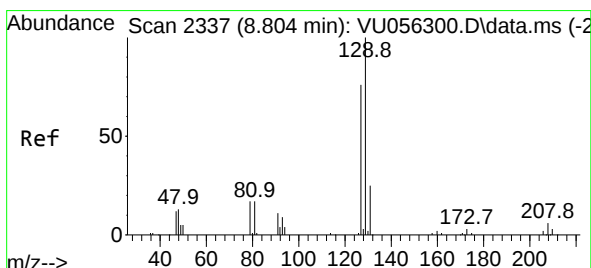
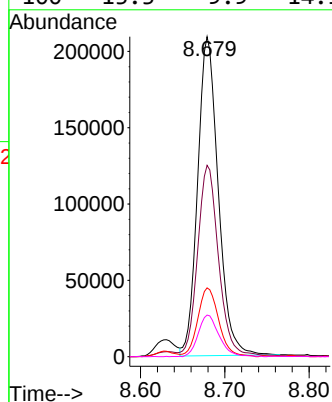
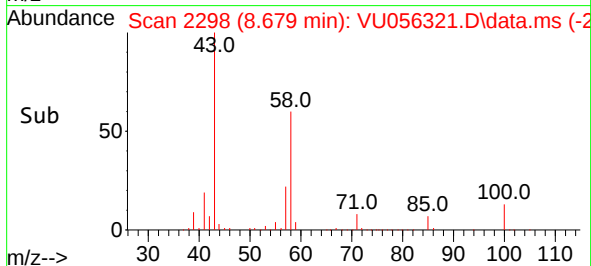


#48
2-Hexanone
Concen: 44.350 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

Instrument :
MSVOA_U
ClientSampleId :

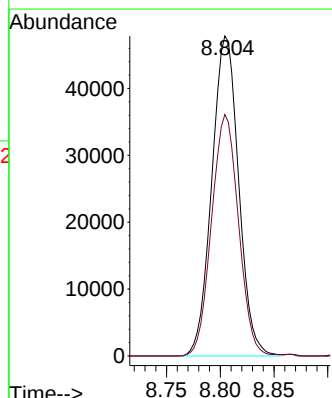
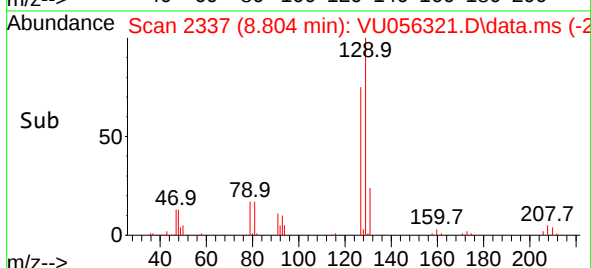
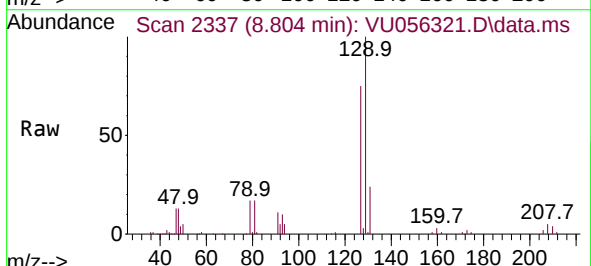


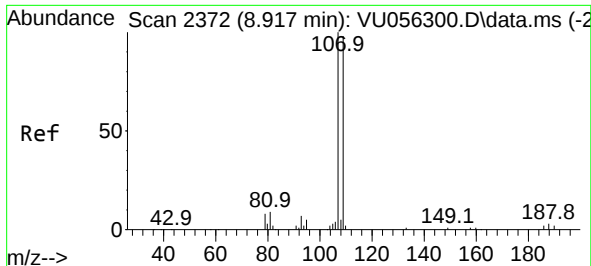
Tgt Ion:	43	Resp:	356516
Ion	Ratio	Lower	Upper
43	100		
58	61.2	48.7	73.1
57	22.0	16.8	25.2
100	13.3	9.9	14.9



#49
Dibromochloromethane
Concen: 5.266 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

Tgt Ion:	129	Resp:	83015
Ion	Ratio	Lower	Upper
129	100		
127	75.5	52.9	98.3





#50

1,2-Dibromoethane

Concen: 5.087 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

Instrument :

MSVOA_U

ClientSampleId :

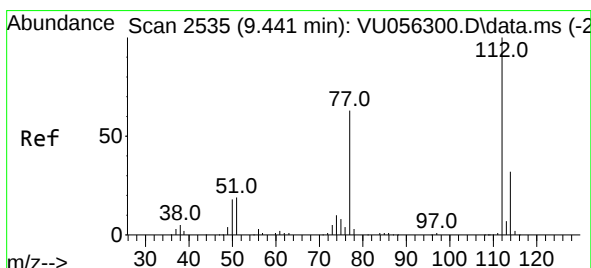
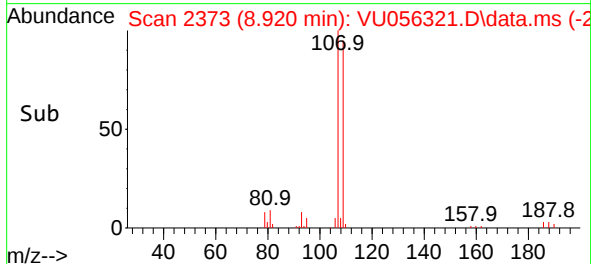
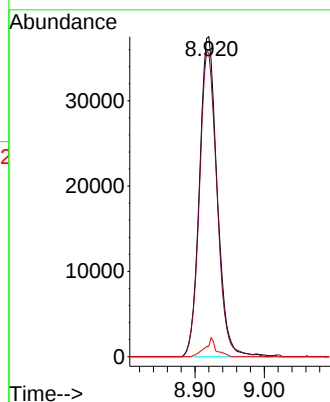
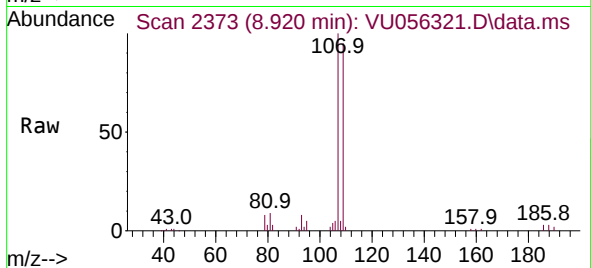
Tgt Ion:107 Resp: 66581

Ion Ratio Lower Upper

107 100

109 94.9 64.2 119.2

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 5.391 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

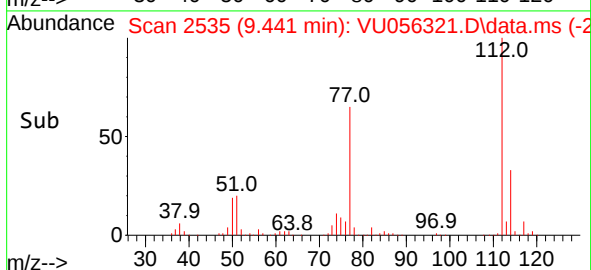
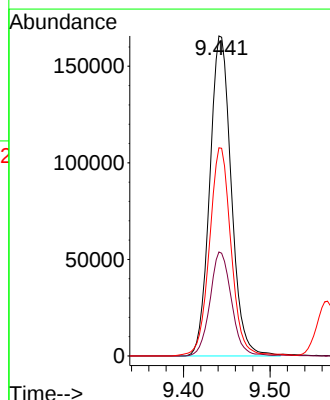
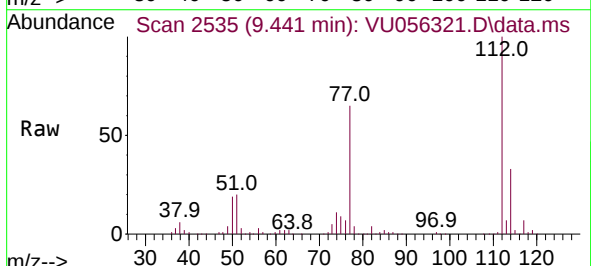
Tgt Ion:112 Resp: 286269

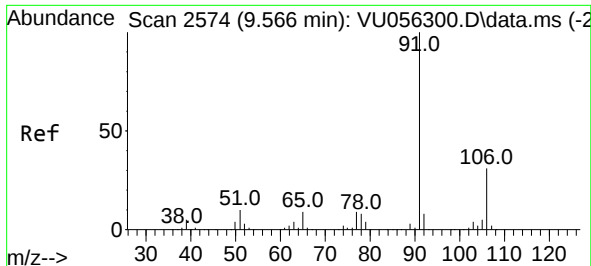
Ion Ratio Lower Upper

112 100

114 32.5 22.5 41.7

77 65.1 51.7 77.5

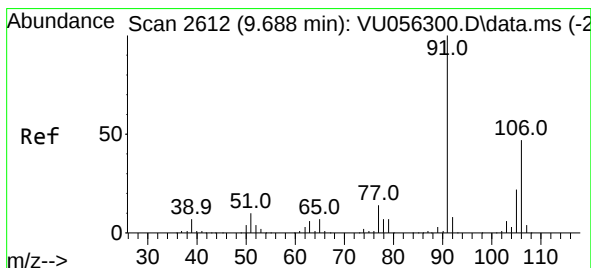
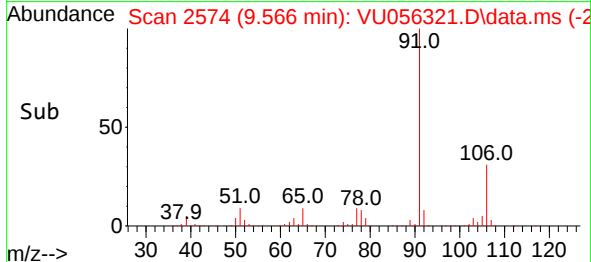
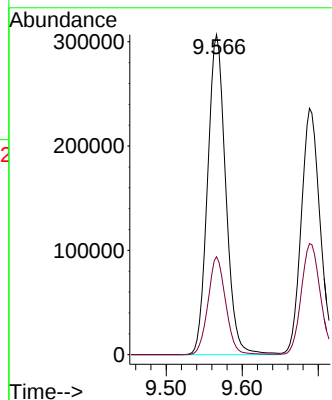
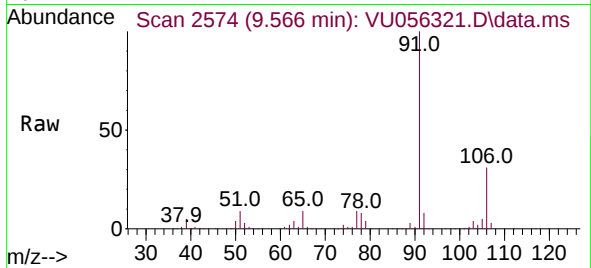




#52
Ethylbenzene
Concen: 5.532 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

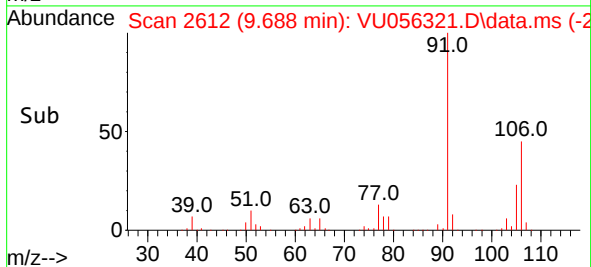
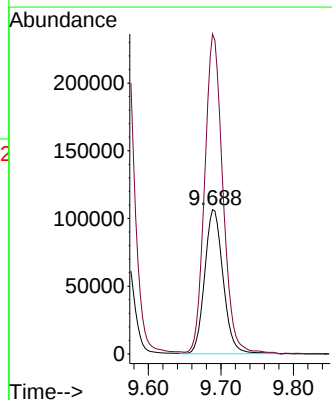
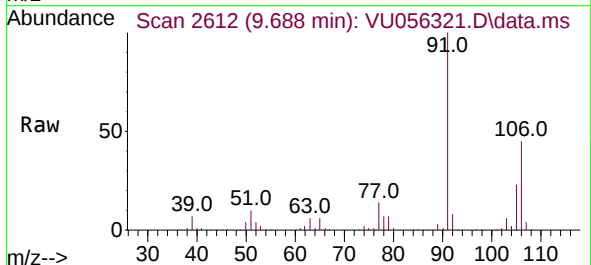
Instrument :
MSVOA_U
ClientSampleId :

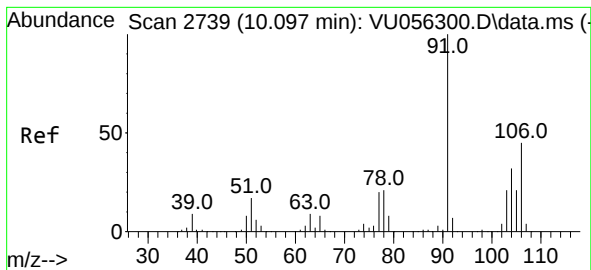
Tgt Ion: 91 Resp: 507695
Ion Ratio Lower Upper
91 100
106 30.6 21.1 39.1



#53
m,p-Xylene
Concen: 5.583 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

Tgt Ion: 106 Resp: 188335
Ion Ratio Lower Upper
106 100
91 221.8 149.6 277.8





#54

o-Xylene

Concen: 5.431 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

Instrument :

MSVOA_U

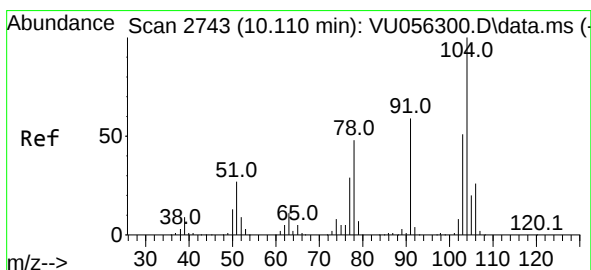
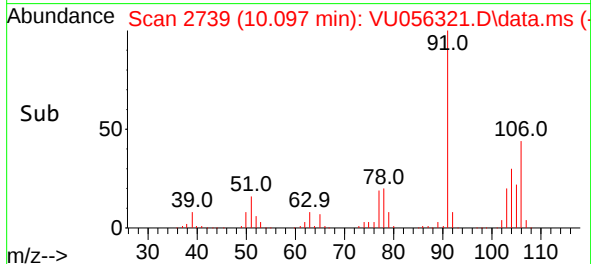
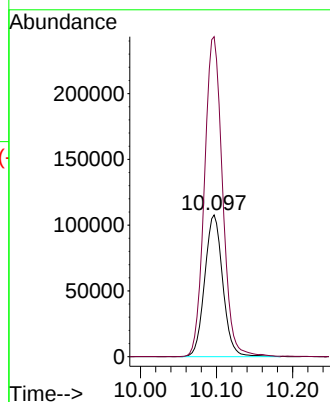
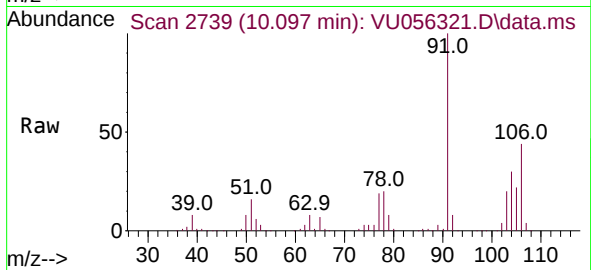
ClientSampleId :

Tgt Ion:106 Resp: 177969

Ion Ratio Lower Upper

106 100

91 225.7 159.3 295.9



#55

Styrene

Concen: 5.462 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU056321.D

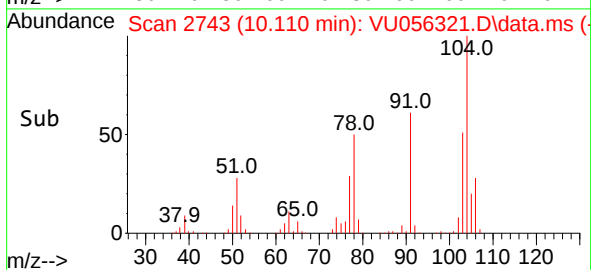
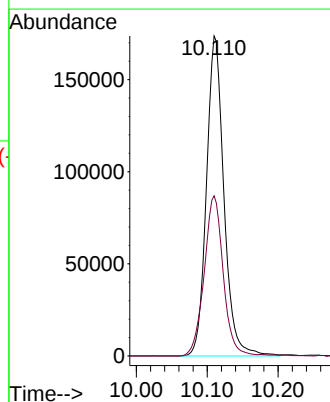
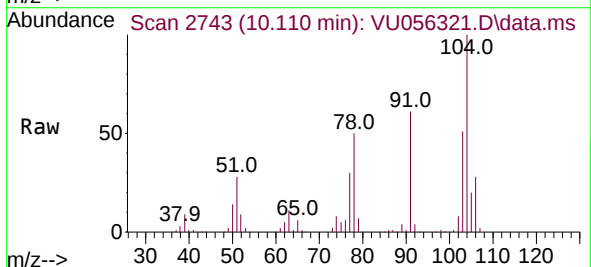
Acq: 14 Nov 2023 21:31

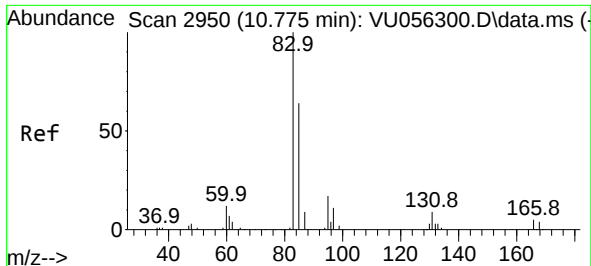
Tgt Ion:104 Resp: 297754

Ion Ratio Lower Upper

104 100

78 50.1 34.2 63.6

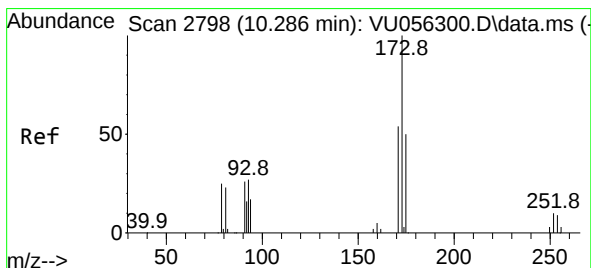
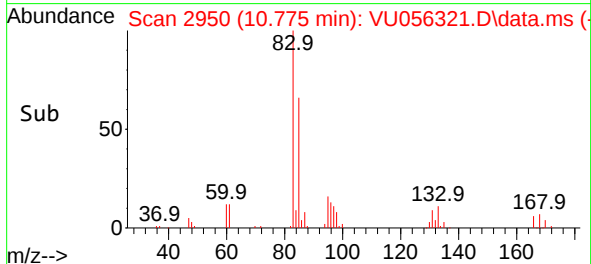
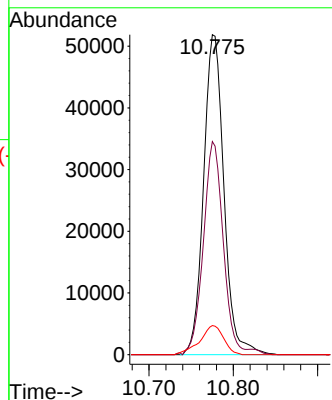
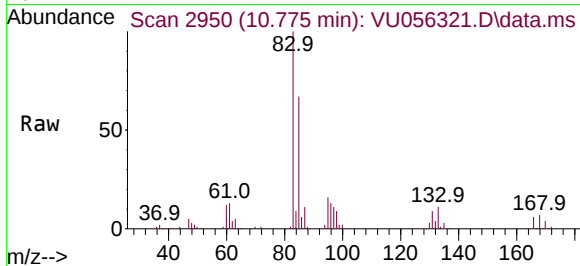




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.152 ug/L
 RT: 10.775 min Scan# 2950
 Delta R.T. 0.000 min
 Lab File: VU056321.D
 Acq: 14 Nov 2023 21:31

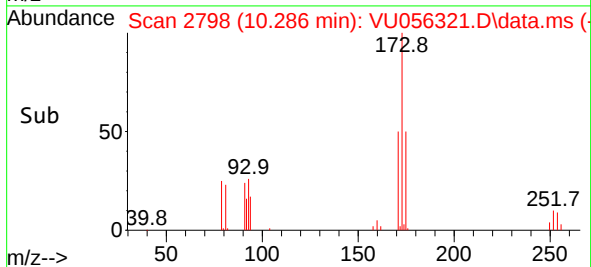
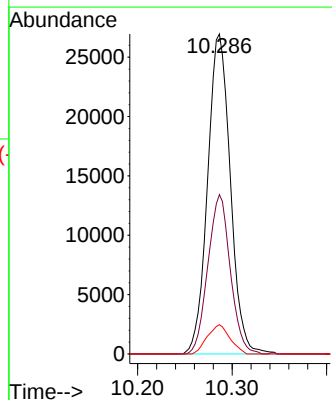
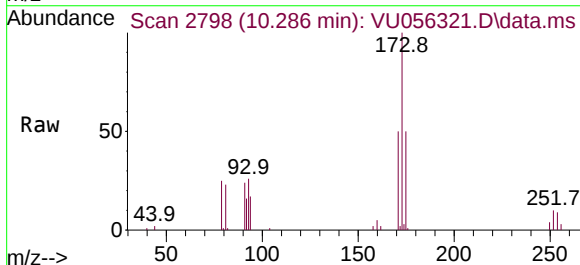
Instrument :
 MSVOA_U
 ClientSampleId :

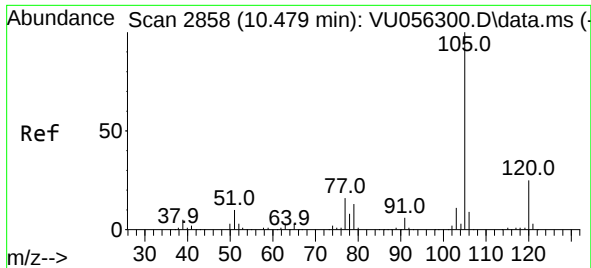
Tgt Ion: 83 Resp: 87215
 Ion Ratio Lower Upper
 83 100
 85 66.6 46.3 86.1
 131 9.1 6.7 10.1



#59
 Bromoform
 Concen: 5.305 ug/L
 RT: 10.286 min Scan# 2798
 Delta R.T. 0.000 min
 Lab File: VU056321.D
 Acq: 14 Nov 2023 21:31

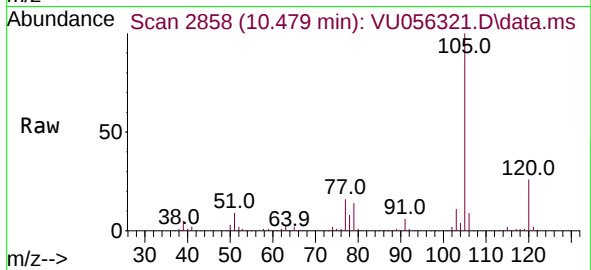
Tgt Ion:173 Resp: 45078
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.9 58.3
 254 9.0 6.7 10.1



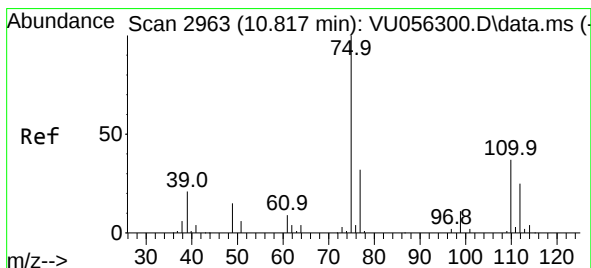
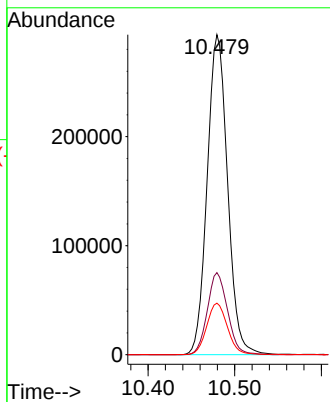
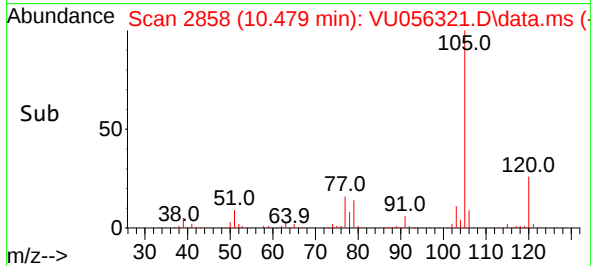


#60
Isopropylbenzene
Concen: 5.461 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

Instrument :
MSVOA_U
ClientSampleId :

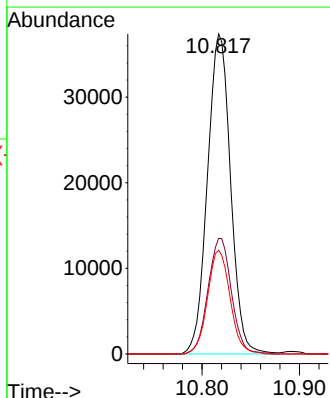
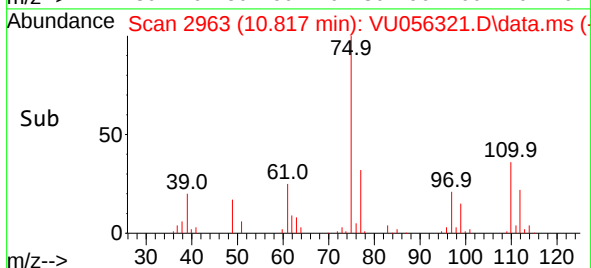
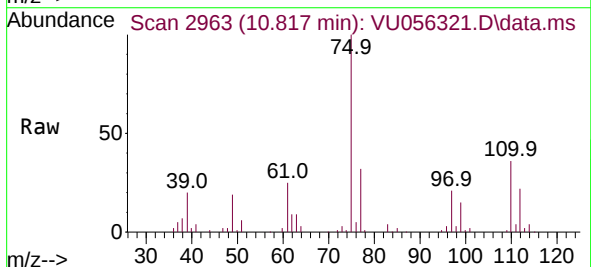


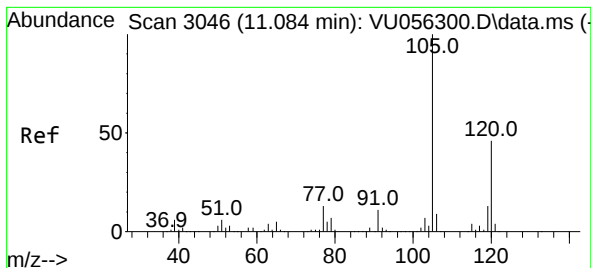
Tgt Ion:105 Resp: 480428
Ion Ratio Lower Upper
105 100
120 25.4 20.4 30.6
77 16.3 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 5.266 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

Tgt Ion: 75 Resp: 61629
Ion Ratio Lower Upper
75 100
110 36.5 30.4 45.6
77 31.5 27.0 40.6

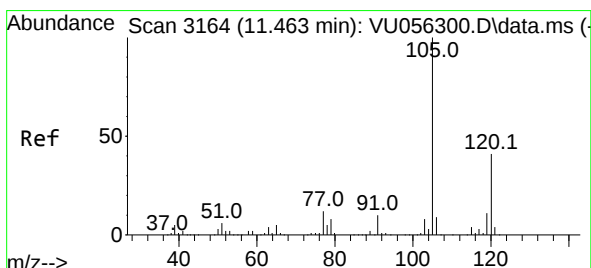
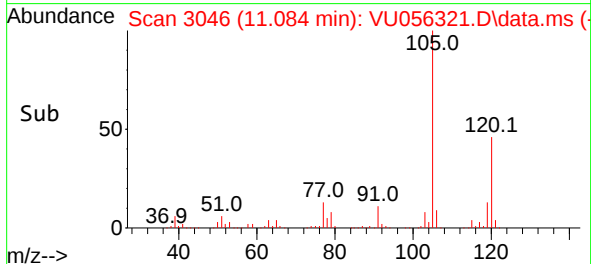
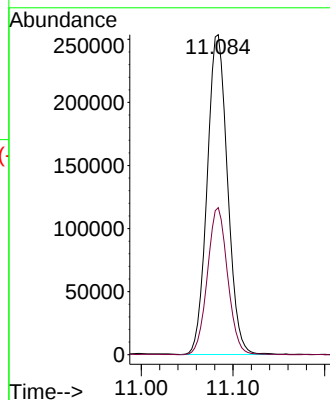
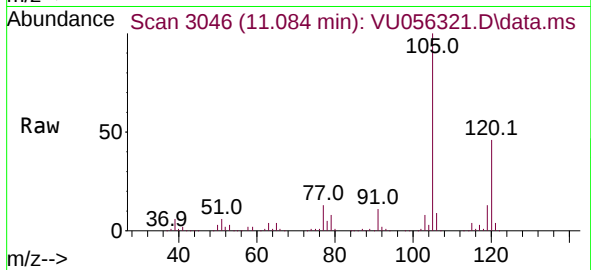




#62
1,3,5-Trimethylbenzene
Concen: 5.414 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

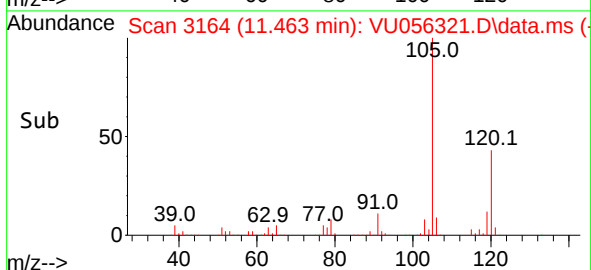
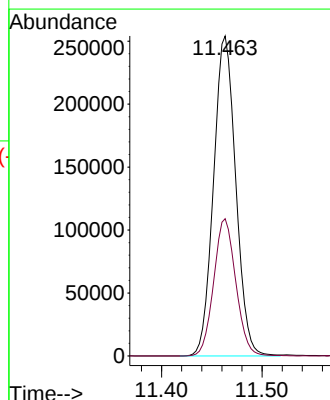
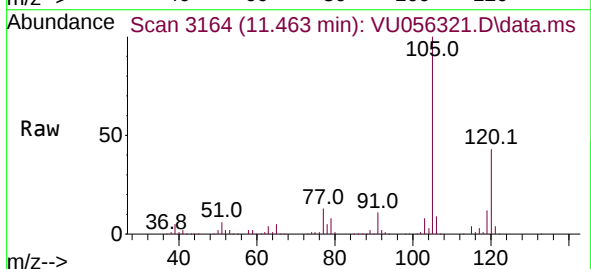
Instrument :
MSVOA_U
ClientSampleId :

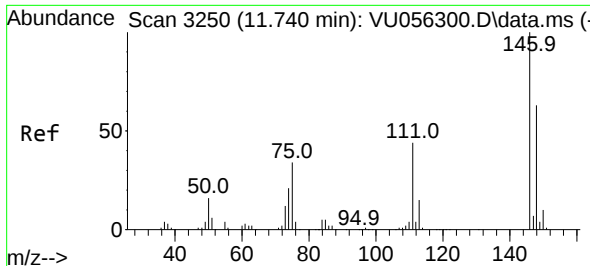
Tgt Ion:105 Resp: 391062
Ion Ratio Lower Upper
105 100
120 45.7 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 5.474 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

Tgt Ion:105 Resp: 390257
Ion Ratio Lower Upper
105 100
120 42.7 34.0 51.0

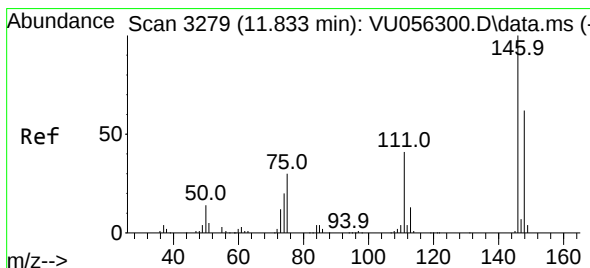
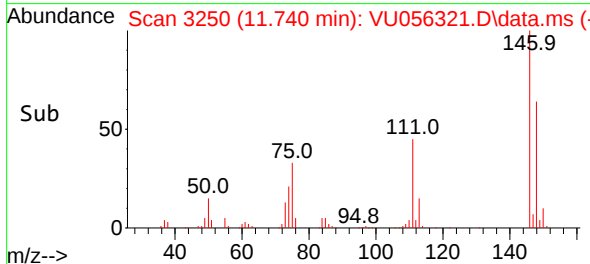
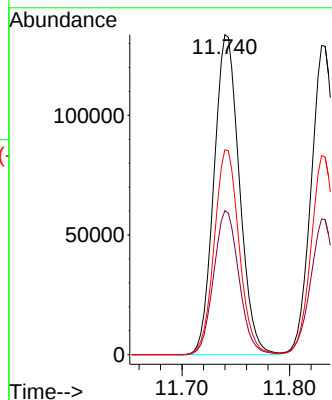
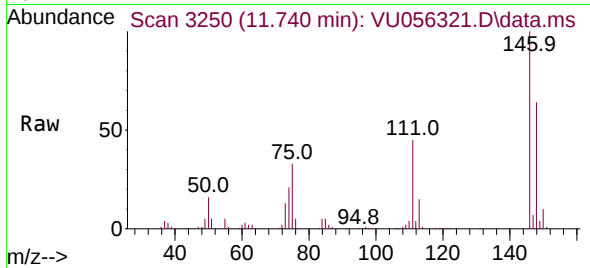




#64
1,3-Dichlorobenzene
Concen: 5.494 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

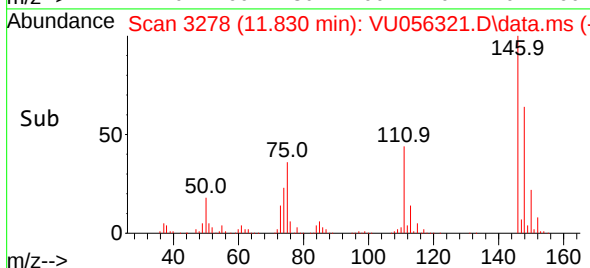
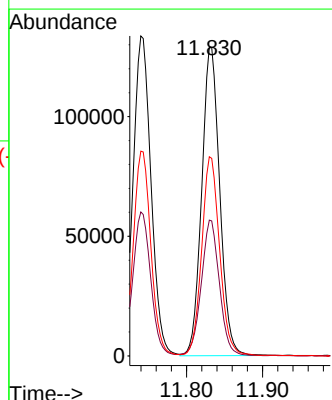
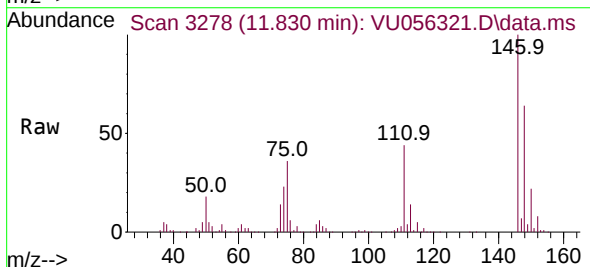
Instrument :
MSVOA_U
ClientSampleId :

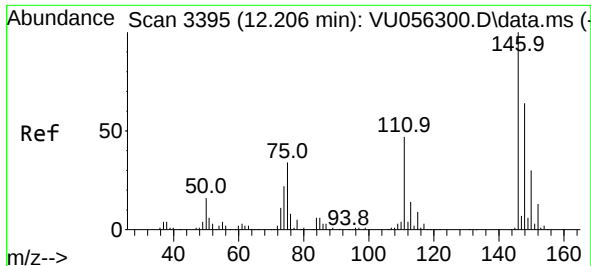
Tgt Ion:146 Resp: 219842
Ion Ratio Lower Upper
146 100
111 45.0 31.1 57.7
148 64.0 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.289 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056321.D
Acq: 14 Nov 2023 21:31

Tgt Ion:146 Resp: 212297
Ion Ratio Lower Upper
146 100
111 43.9 30.5 56.7
148 64.4 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.379 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

Instrument :

MSVOA_U

ClientSampleId :

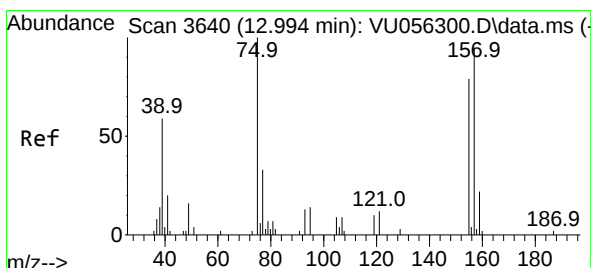
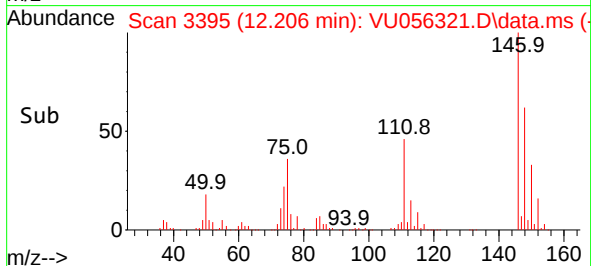
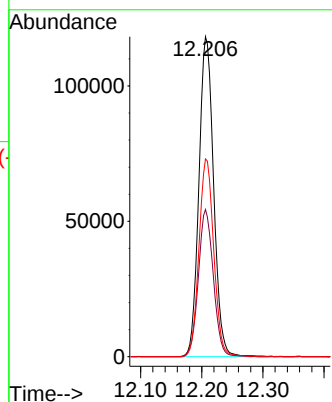
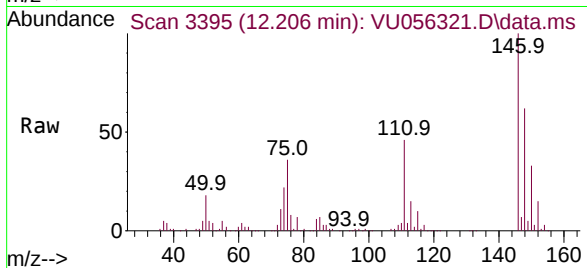
Tgt Ion:146 Resp: 197468

Ion Ratio Lower Upper

146 100

111 46.0 38.3 57.5

148 61.8 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.714 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

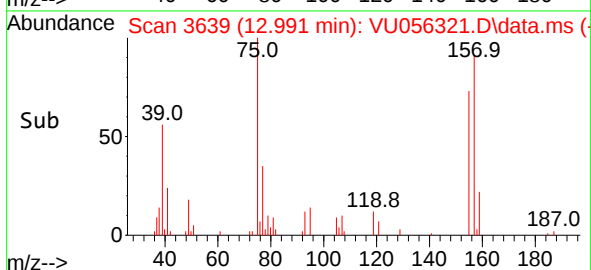
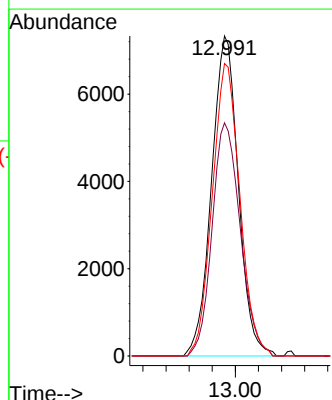
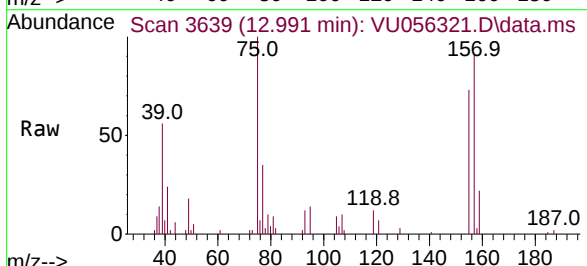
Tgt Ion: 75 Resp: 11785

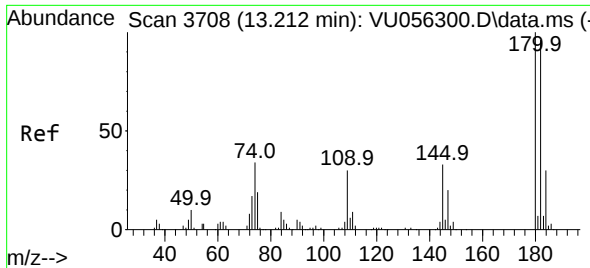
Ion Ratio Lower Upper

75 100

155 72.8 62.4 93.6

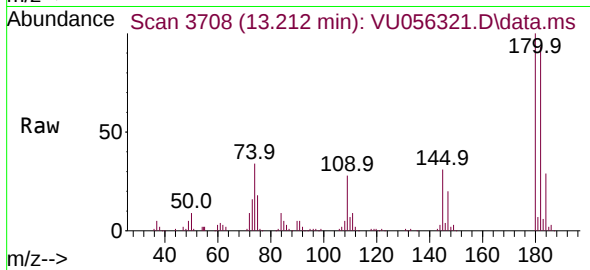
157 91.4 80.2 120.2



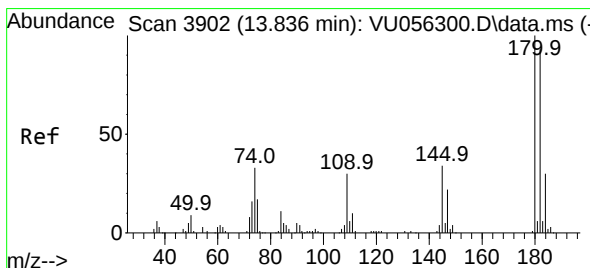
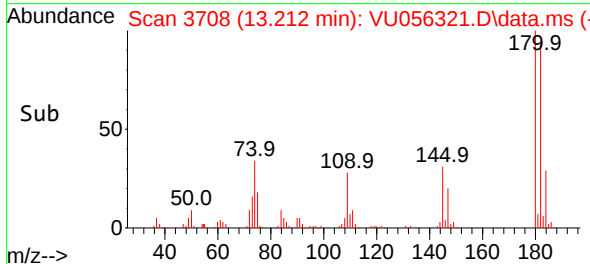
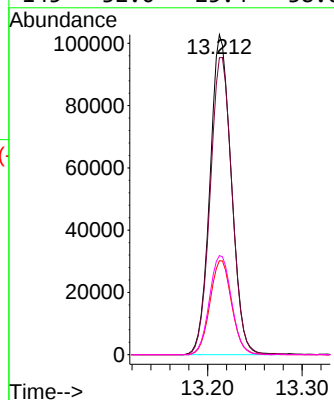


#69
 1,3,5-Trichlorobenzene
 Concen: 5.334 ug/L
 RT: 13.212 min Scan# 3708
 Delta R.T. 0.000 min
 Lab File: VU056321.D
 Acq: 14 Nov 2023 21:31

Instrument :
 MSVOA_U
 ClientSampleId :

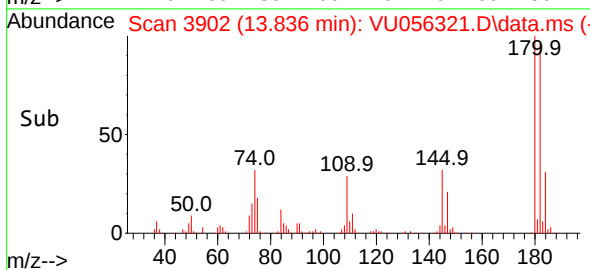
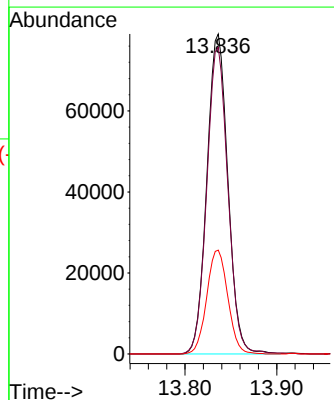
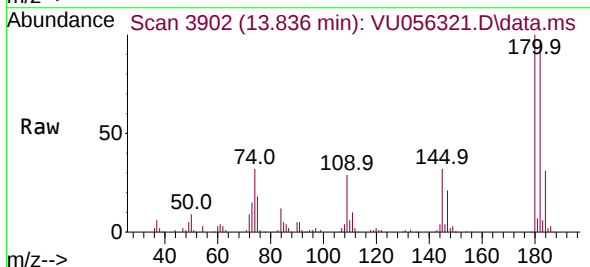


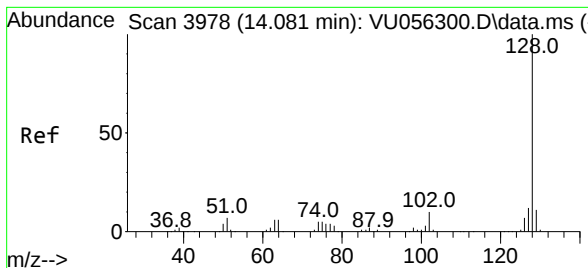
Tgt Ion:180 Resp: 160694
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.1 112.7
 184 29.9 23.5 35.3
 145 32.0 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 5.129 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU056321.D
 Acq: 14 Nov 2023 21:31

Tgt Ion:180 Resp: 125851
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.4 113.2
 145 32.5 26.8 40.2





#71

Naphthalene

Concen: 4.927 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

Instrument :

MSVOA_U

ClientSampleId :

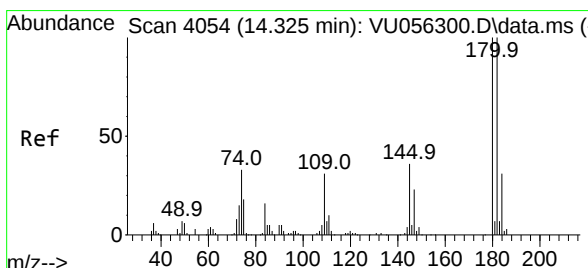
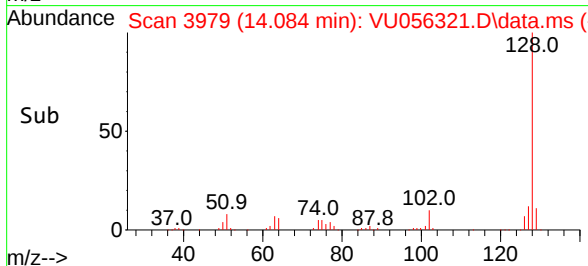
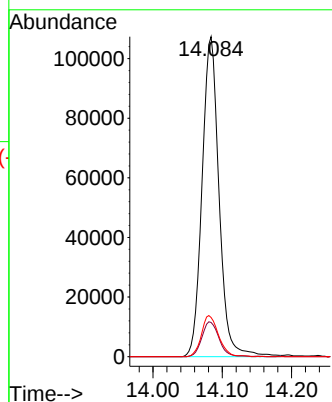
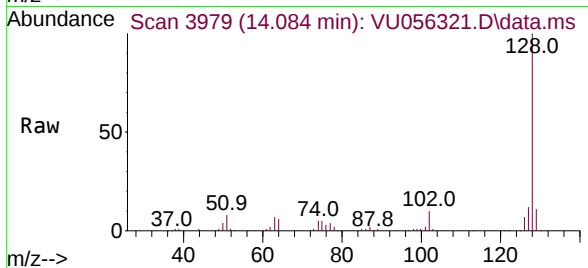
Tgt Ion:128 Resp: 182663

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 13.0 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.172 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU056321.D

Acq: 14 Nov 2023 21:31

Tgt Ion:180 Resp: 104537

Ion Ratio Lower Upper

180 100

182 94.9 78.6 117.8

145 35.6 29.0 43.6

