

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110823\
 Data File : VU056111.D
 Acq On : 08 Nov 2023 08:52
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 08 20:47:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 08 00:38:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	466784	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	458043	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	221518	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	127959	4.416	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	88.400%	
7) Chloroethane-d5	1.907	69	81626	4.151	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	83.000%	
11) 1,1-Dichloroethene-d2	2.563	65	57331	4.491	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	89.800%	
20) 2-Butanone-d5	4.621	46	222994	46.914	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	93.820%	
24) Chloroform-d	5.058	84	252836	4.584	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.600%	
26) 1,2-Dichloroethane-d4	5.695	65	110699	4.558	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.200%	
32) Benzene-d6	5.721	84	509183	4.629	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	92.600%	
36) 1,2-Dichloropropane-d6	6.685	67	144198	4.453	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	89.000%	
41) Toluene-d8	7.894	98	468957	4.652	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.000%	
43) trans-1,3-Dichloroprop...	8.177	79	55300	4.467	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	89.400%	
46) 2-Hexanone-d5	8.634	63	194396	47.914	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	95.820%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	108722	4.704	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	94.000%	
66) 1,2-Dichlorobenzene-d4	12.190	152	154934	4.535	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	90.800%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	180589	4.562	ug/L	99
3) Chloromethane	1.515	50	164629	4.439	ug/L	98
5) Vinyl chloride	1.602	62	172458	4.495	ug/L	100
6) Bromomethane	1.853	94	91926	4.172	ug/L	99
8) Chloroethane	1.927	64	88931	4.275	ug/L	97
9) Trichlorofluoromethane	2.133	101	232122	4.575	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	151081	4.674	ug/L	98
12) 1,1-Dichloroethene	2.576	96	140403	4.680	ug/L	97
13) Acetone	2.631	43	153886	43.899	ug/L	99
14) Carbon disulfide	2.788	76	457487	4.475	ug/L	99
15) Methyl Acetate	2.946	43	41211	4.167	ug/L	100
16) Methylene chloride	3.039	84	150619	4.378	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	309495	4.579	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	142488	4.482	ug/L	100
19) 1,1-Dichloroethane	3.862	63	269093	4.640	ug/L	97
21) 2-Butanone	4.702	43	270059	46.714	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	159294	4.642	ug/L	97
23) Bromochloromethane	4.968	128	67831	4.455	ug/L	97
25) Chloroform	5.081	83	281298	4.552	ug/L	99

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

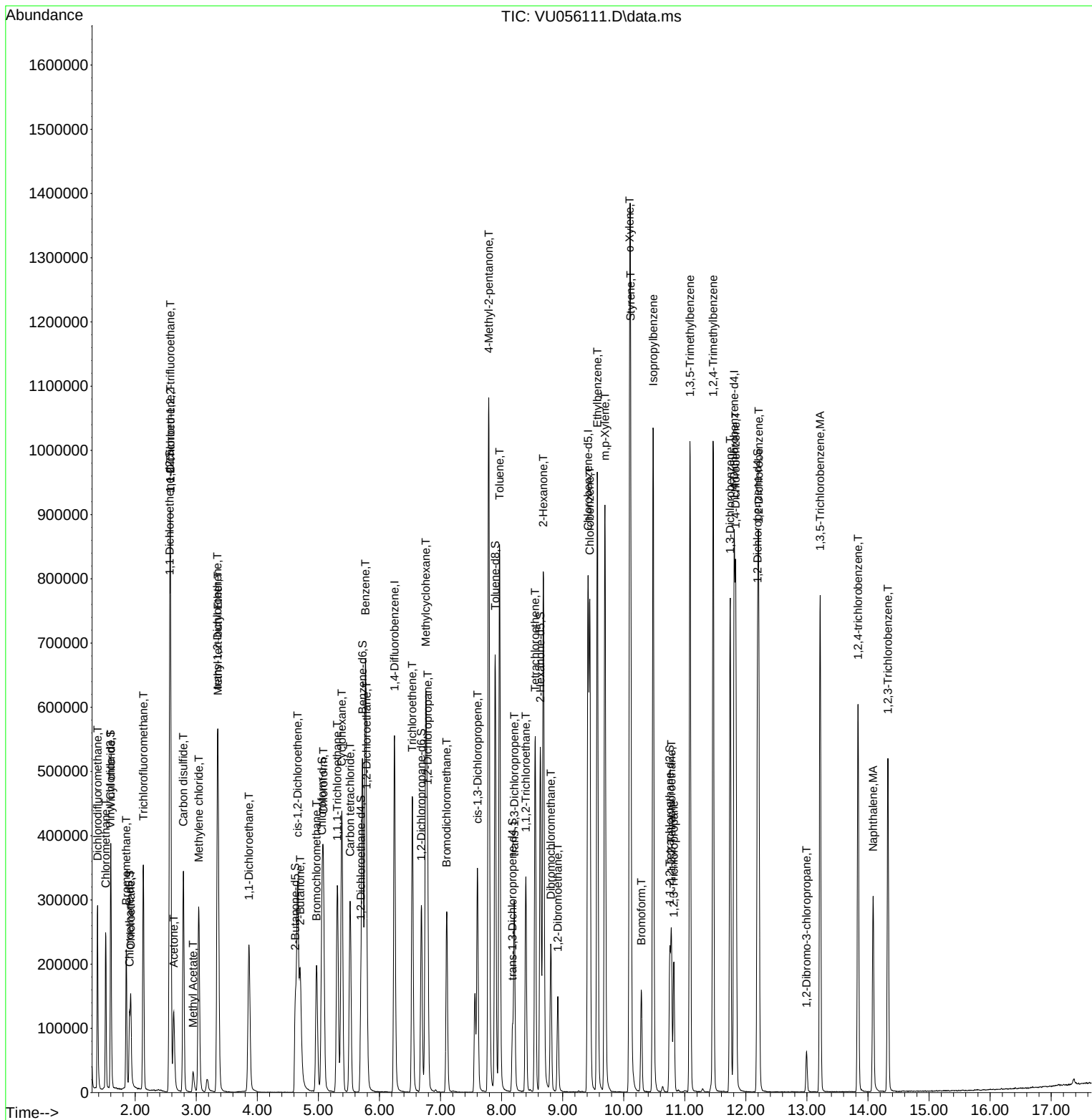
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 ClientSampleId :

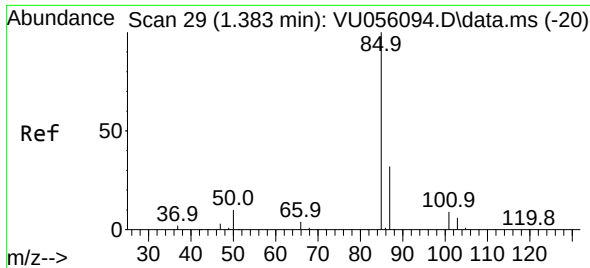
Quant Time: Nov 08 20:47:15 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	156159	4.465	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	247720	4.721	ug/L	98
30) Cyclohexane	5.383	56	222789	4.544	ug/L	99
31) Carbon tetrachloride	5.518	117	213245	4.577	ug/L	99
33) Benzene	5.769	78	626178	4.774	ug/L	100
34) Trichloroethene	6.538	95	165282	4.614	ug/L	98
35) Methylcyclohexane	6.759	83	249559	4.687	ug/L	99
37) 1,2-Dichloropropane	6.788	63	156615	4.592	ug/L	100
38) Bromodichloromethane	7.100	83	191404	4.494	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	220163	4.574	ug/L	96
40) 4-Methyl-2-pentanone	7.788	43	695698	46.633	ug/L	99
42) Toluene	7.965	91	661325	4.783	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	176998	4.541	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	106635	4.573	ug/L	98
47) Tetrachloroethene	8.550	164	126350	4.699	ug/L	97
48) 2-Hexanone	8.682	43	507427	46.716	ug/L	99
49) Dibromochloromethane	8.804	129	122182	4.567	ug/L	98
50) 1,2-Dibromoethane	8.920	107	99919	4.586	ug/L	99
51) Chlorobenzene	9.444	112	411638	4.615	ug/L	98
52) Ethylbenzene	9.566	91	713527	4.736	ug/L	100
53) m,p-Xylene	9.692	106	277578	4.844	ug/L	100
54) o-Xylene	10.097	106	262799	4.784	ug/L	98
55) Styrene	10.113	104	443916	4.940	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	126748	4.626	ug/L	98
59) Bromoform	10.287	173	72163	4.691	ug/L	98
60) Isopropylbenzene	10.483	105	709805	4.942	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	86879	4.544	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	575366	4.940	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	579518	5.072	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	329955	4.851	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	317765	4.724	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	297327	4.743	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	16883	4.186	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	242118	4.753	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	187481	4.638	ug/L	99
71) Naphthalene	14.084	128	259187	4.324	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	161092	4.546	ug/L	99

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

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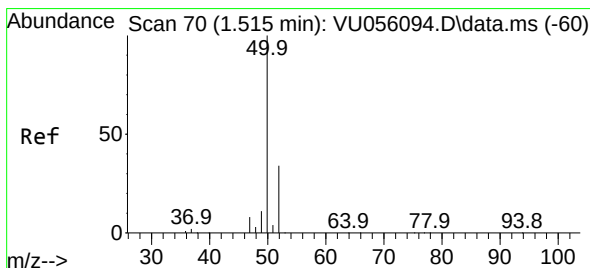
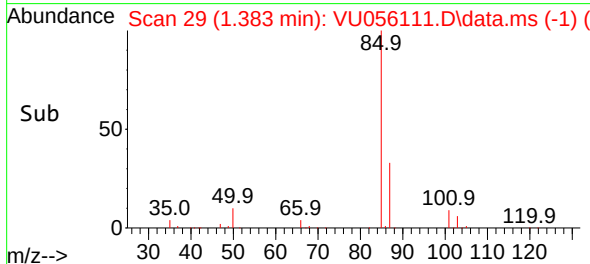
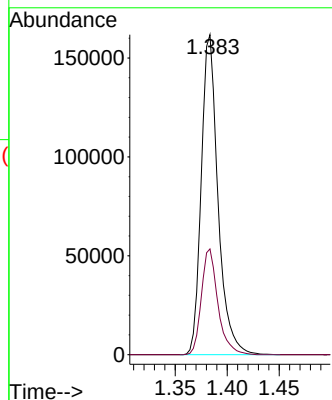
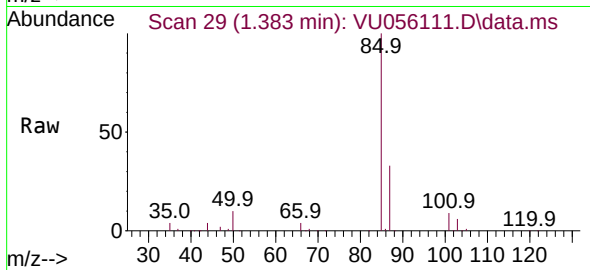




#2
 Dichlorodifluoromethane
 Concen: 4.562 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056111.D
 Acq: 08 Nov 2023 08:52

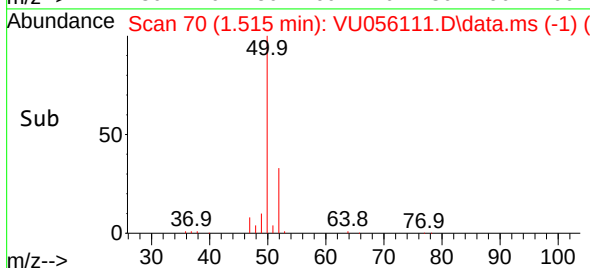
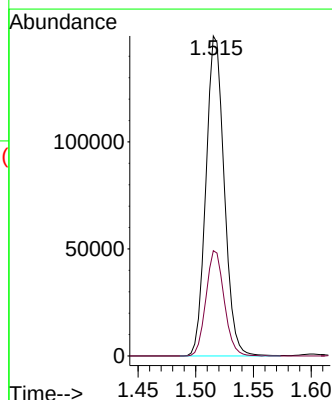
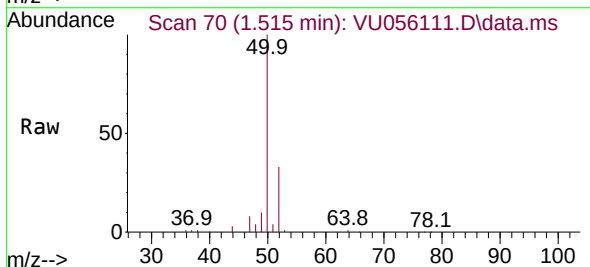
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 ClientSampleId :

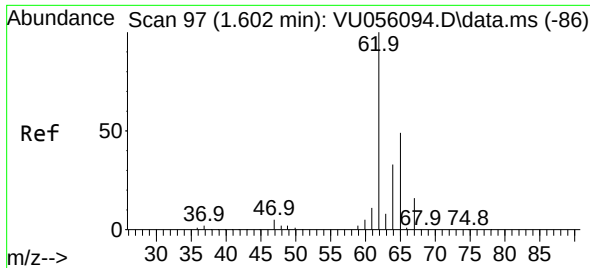
Tgt Ion: 85 Resp: 180589
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.4 39.6



#3
 Chloromethane
 Concen: 4.439 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU056111.D
 Acq: 08 Nov 2023 08:52

Tgt Ion: 50 Resp: 164629
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.2 41.2

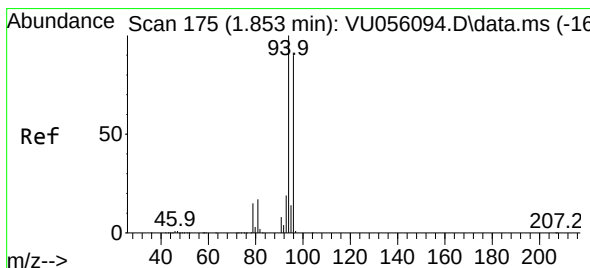
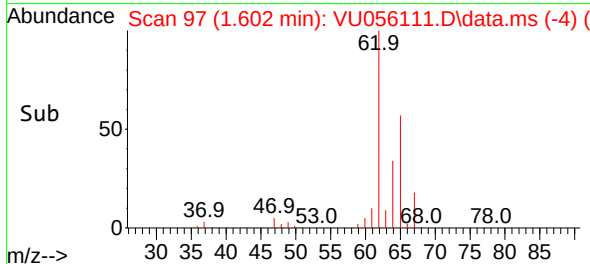
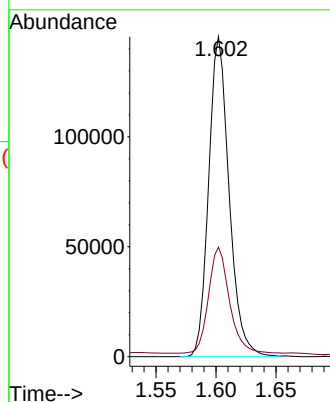
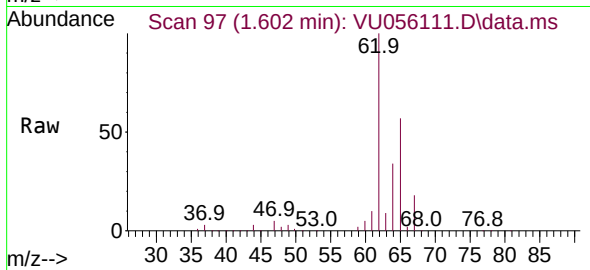




#5
 Vinyl chloride
 Concen: 4.495 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056111.D
 Acq: 08 Nov 2023 08:52

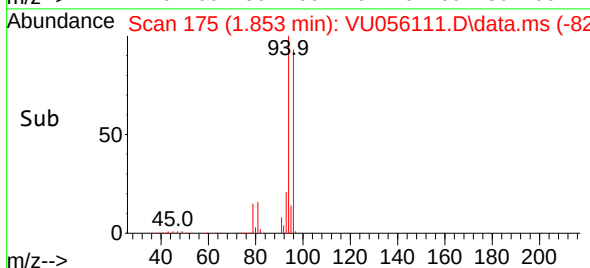
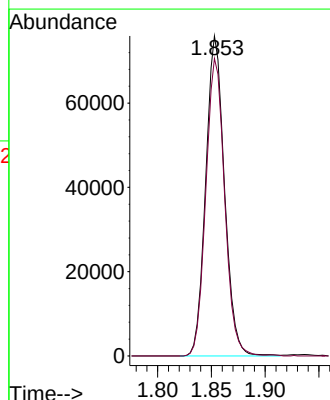
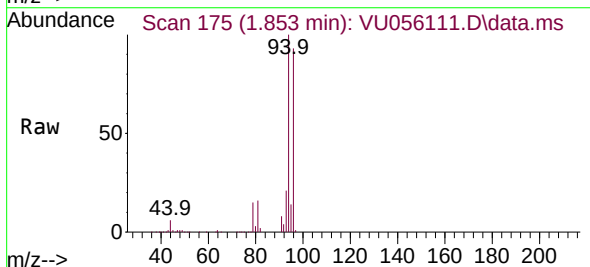
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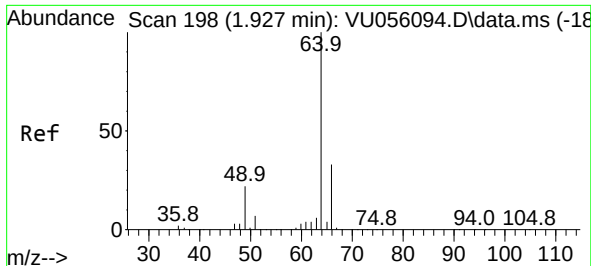
Tgt Ion: 62 Resp: 172458
 Ion Ratio Lower Upper
 62 100
 64 34.3 24.1 44.7



#6
 Bromomethane
 Concen: 4.172 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU056111.D
 Acq: 08 Nov 2023 08:52

Tgt Ion: 94 Resp: 91926
 Ion Ratio Lower Upper
 94 100
 96 93.0 65.6 121.8

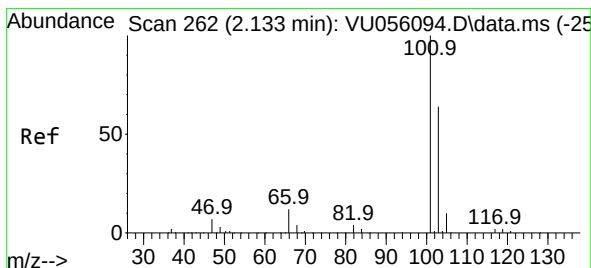
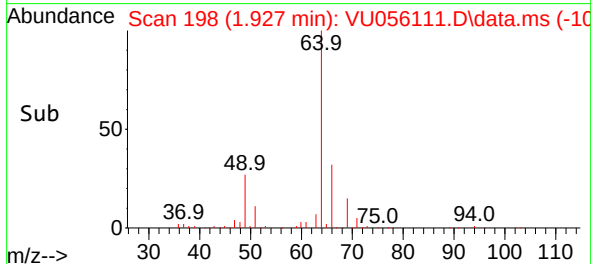
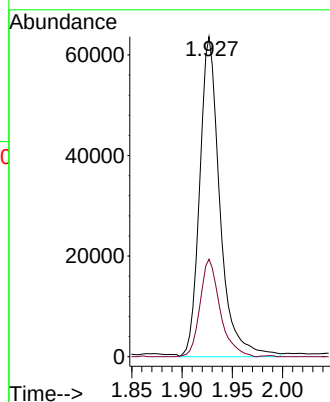
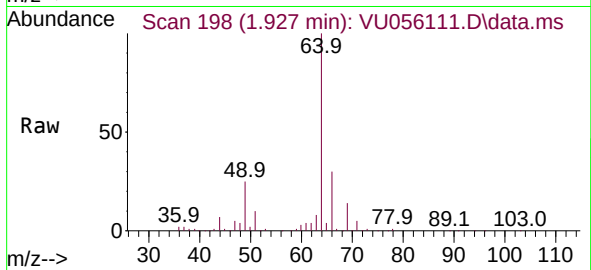




#8
Chloroethane
Concen: 4.275 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

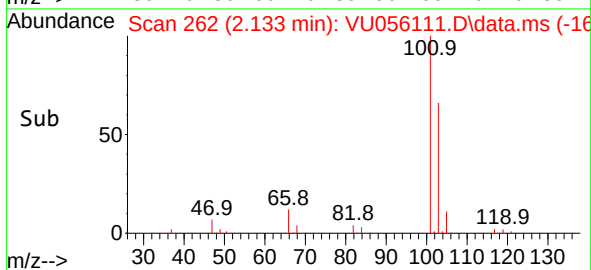
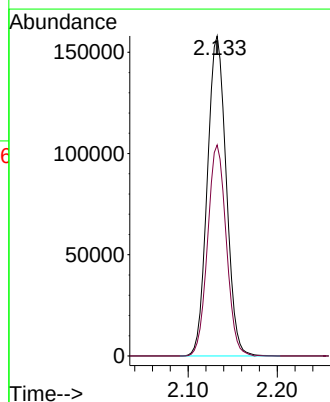
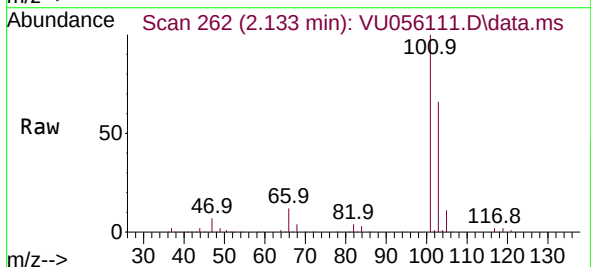
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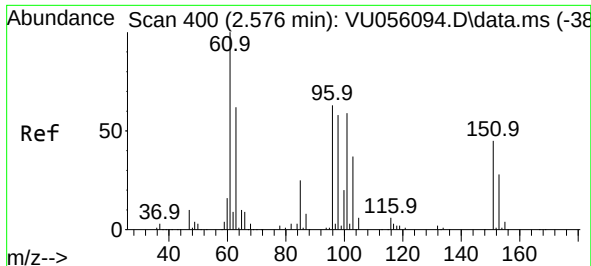
Tgt Ion: 64 Resp: 88931
Ion Ratio Lower Upper
64 100
66 30.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.575 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt Ion:101 Resp: 232122
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.6

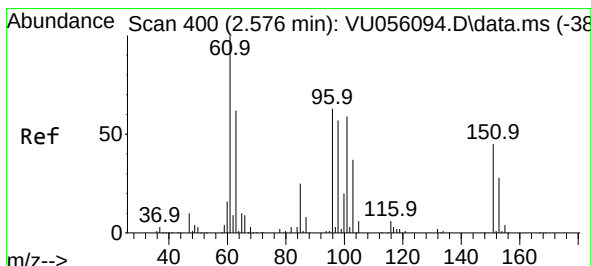
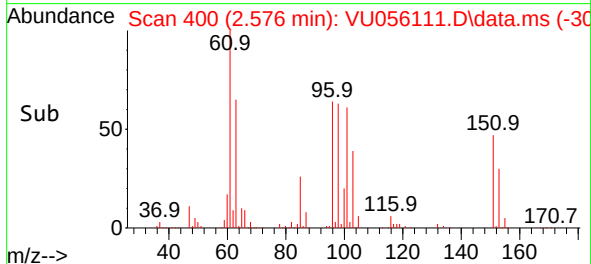
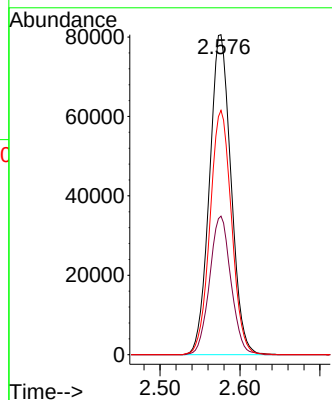
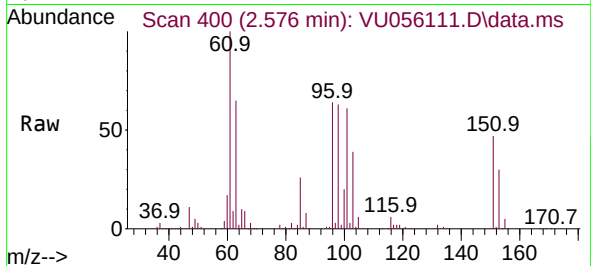




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.674 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056111.D
 Acq: 08 Nov 2023 08:52

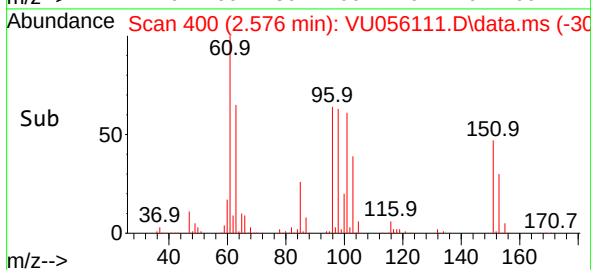
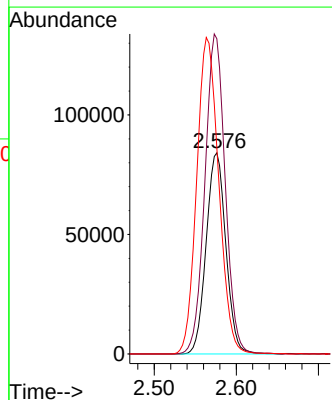
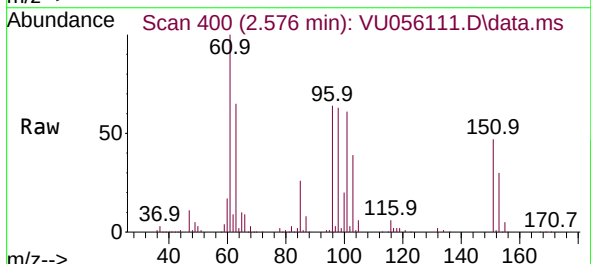
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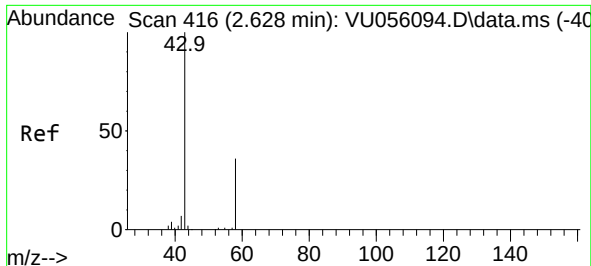
Tgt Ion:101 Resp: 151081
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.2 51.4
 151 76.3 59.3 88.9



#12
 1,1-Dichloroethene
 Concen: 4.680 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056111.D
 Acq: 08 Nov 2023 08:52

Tgt Ion: 96 Resp: 140403
 Ion Ratio Lower Upper
 96 100
 61 156.7 111.7 207.5
 63 102.5 74.5 138.3





#13

Acetone

Concen: 43.899 ug/L

RT: 2.631 min Scan# 416

Delta R.T. 0.003 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

Instrument :

MSVOA_U

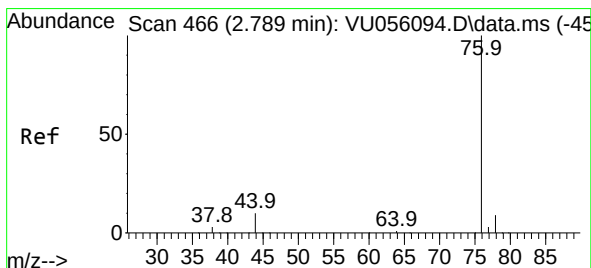
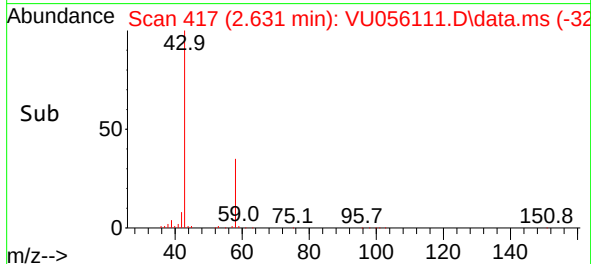
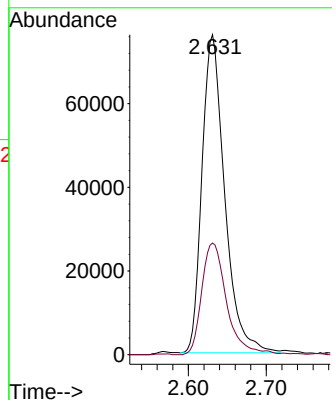
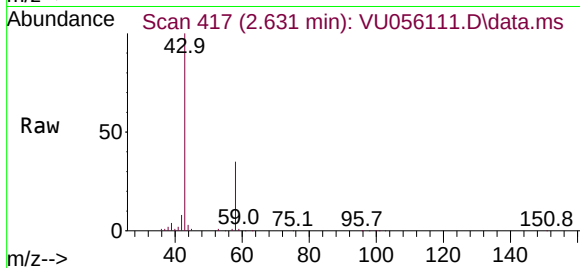
ClientSampleId :

Tgt Ion: 43 Resp: 153886

Ion Ratio Lower Upper

43 100

58 37.9 0.0 74.4



#14

Carbon disulfide

Concen: 4.475 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056111.D

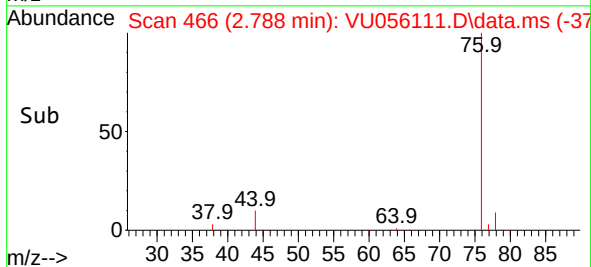
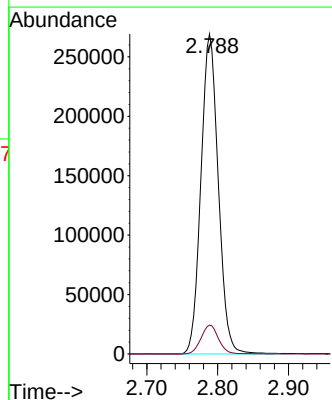
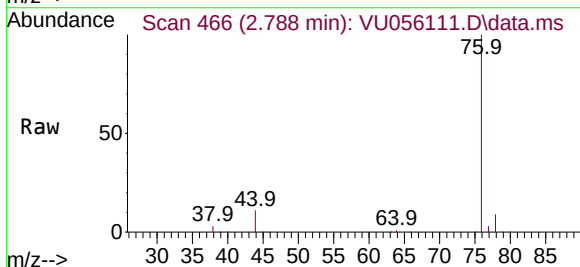
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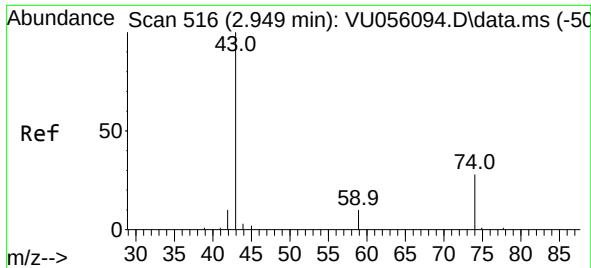
Tgt Ion: 76 Resp: 457487

Ion Ratio Lower Upper

76 100

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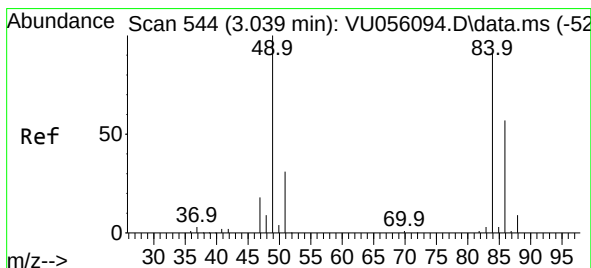
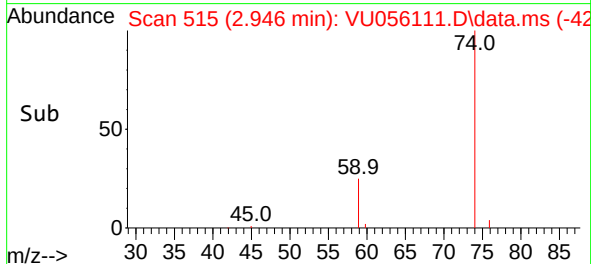
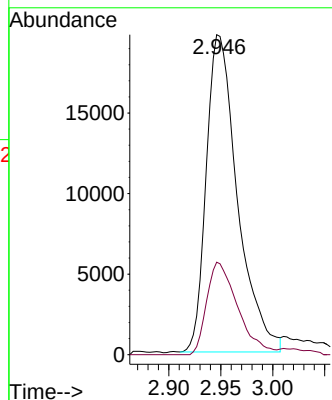
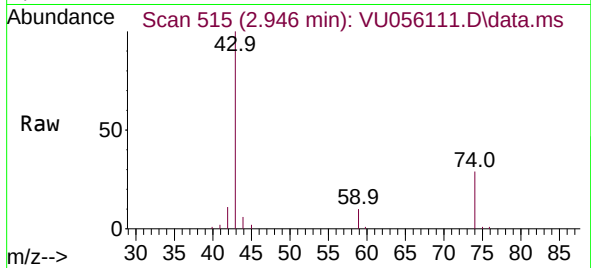




#15
Methyl Acetate
Concen: 4.167 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

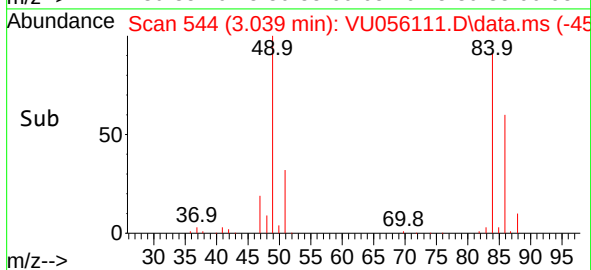
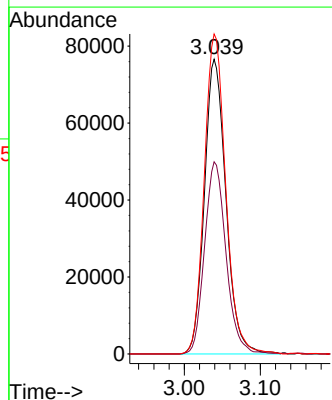
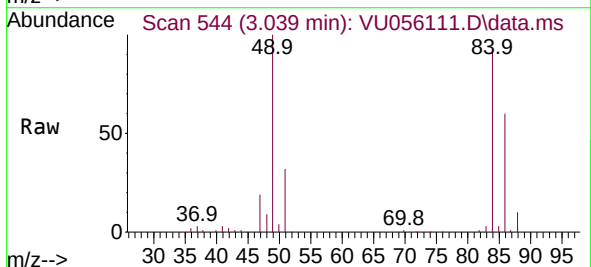
Instrument :
MSVOA_U
ClientSampleId :

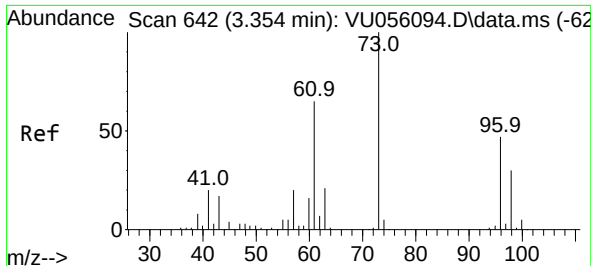
Tgt Ion: 43 Resp: 41211
Ion Ratio Lower Upper
43 100
74 28.9 23.3 34.9



#16
Methylene chloride
Concen: 4.378 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt Ion: 84 Resp: 150619
Ion Ratio Lower Upper
84 100
86 65.2 44.9 83.5
49 108.6 75.0 139.4





#17

Methyl tert-butyl Ether

Concen: 4.579 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

Instrument :

MSVOA_U

ClientSampleId :

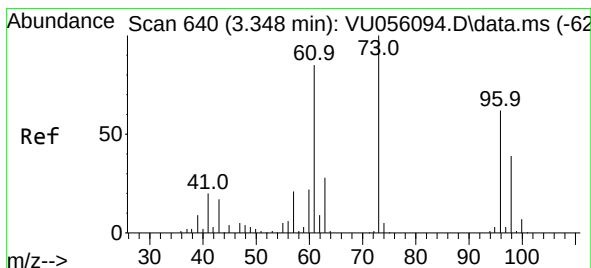
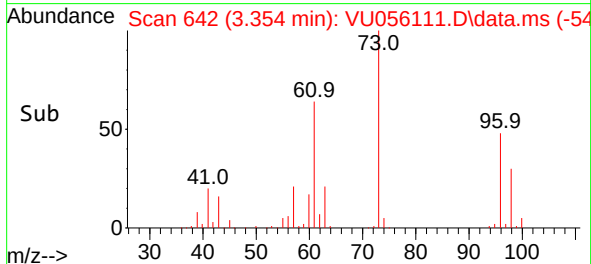
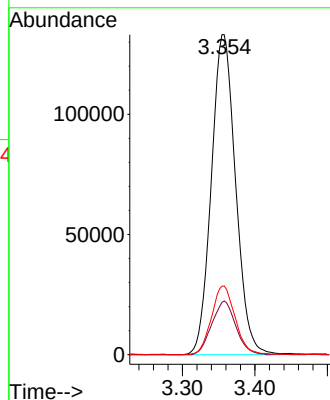
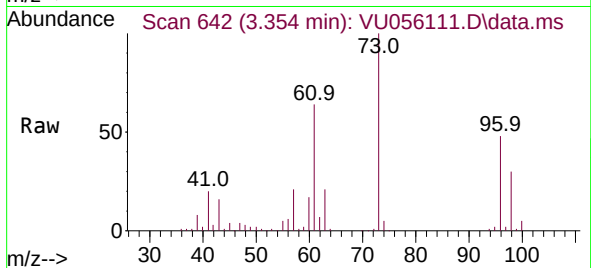
Tgt Ion: 73 Resp: 309495

Ion Ratio Lower Upper

73 100

43 16.6 13.6 20.4

57 21.1 17.3 25.9



#18

trans-1,2-Dichloroethene

Concen: 4.482 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

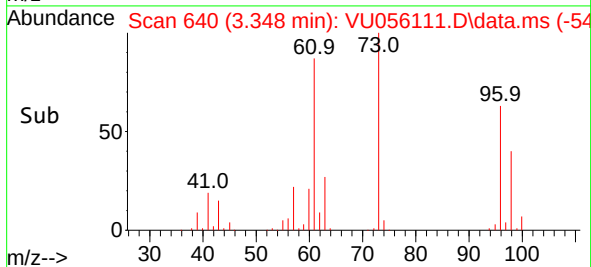
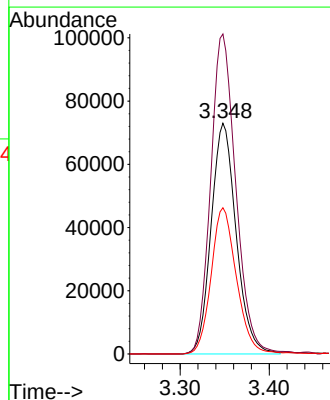
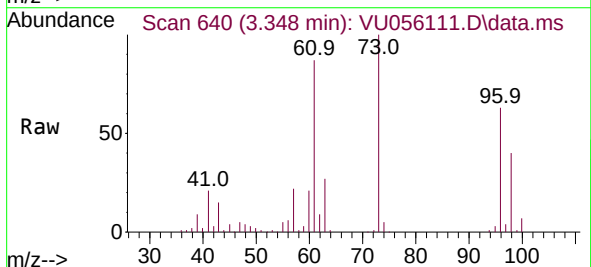
Tgt Ion: 96 Resp: 142488

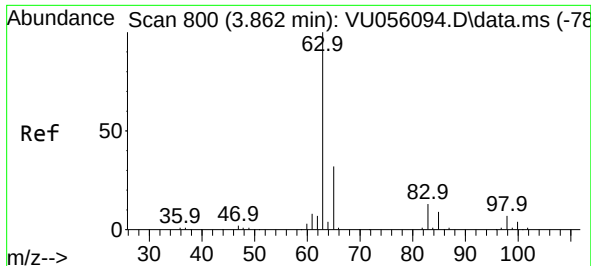
Ion Ratio Lower Upper

96 100

61 138.7 96.7 179.5

98 63.4 44.3 82.3

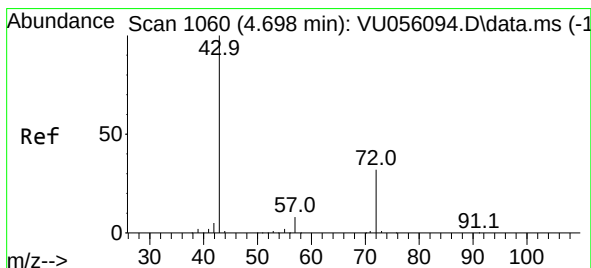
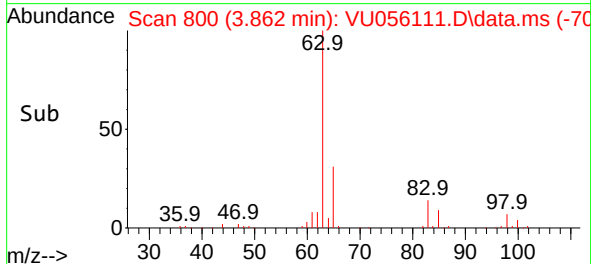
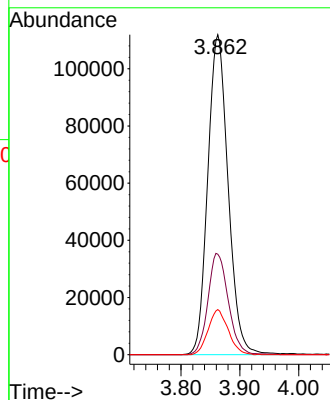
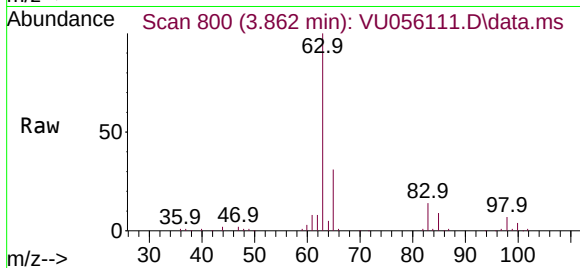




#19
1,1-Dichloroethane
Concen: 4.640 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

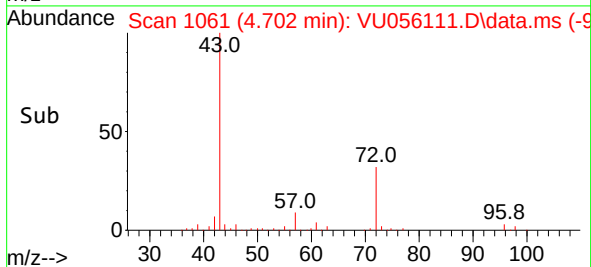
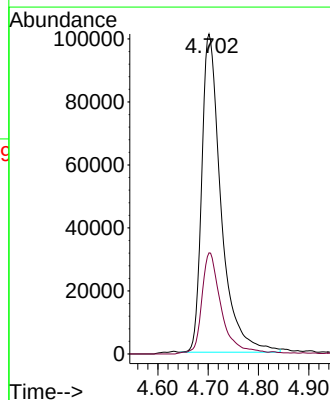
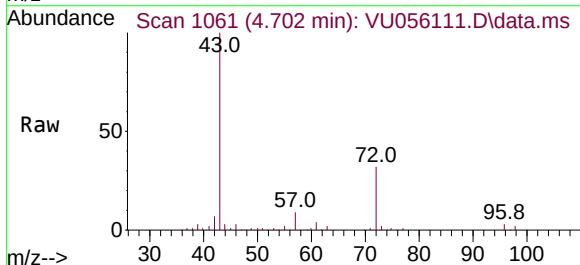
Instrument :
MSVOA_U
ClientSampleId :

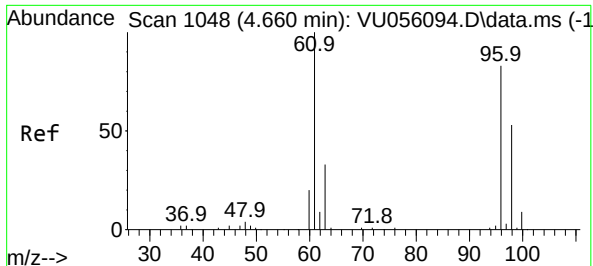
Tgt Ion: 63 Resp: 269093
Ion Ratio Lower Upper
63 100
65 31.4 20.6 38.2
83 14.1 9.6 17.8



#21
2-Butanone
Concen: 46.714 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. 0.003 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt Ion: 43 Resp: 270059
Ion Ratio Lower Upper
43 100
72 32.1 15.7 47.0

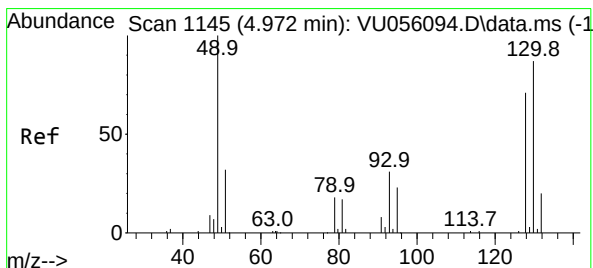
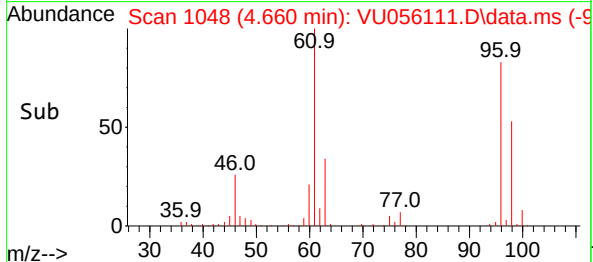
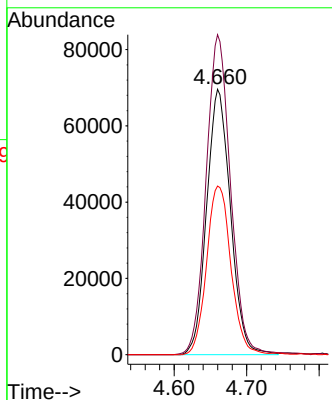
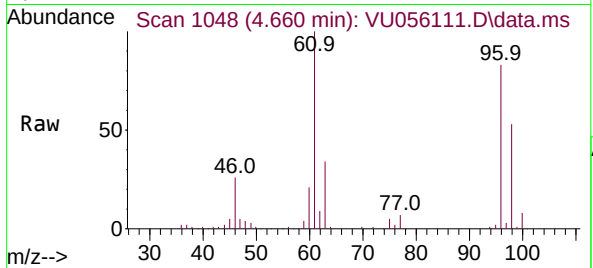




#22
 cis-1,2-Dichloroethene
 Concen: 4.642 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056111.D
 Acq: 08 Nov 2023 08:52

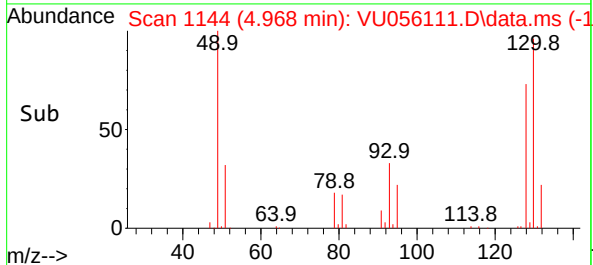
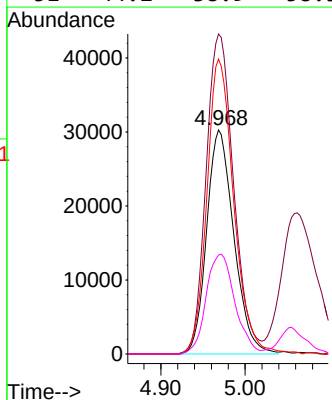
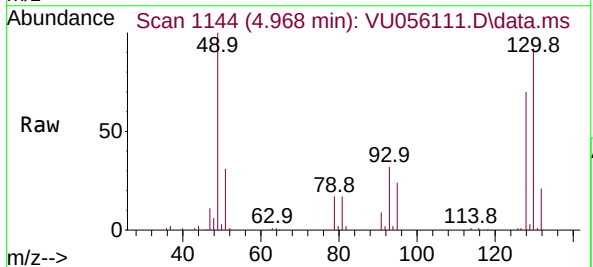
Instrument :
 MSVOA_U
 ClientSampleId :

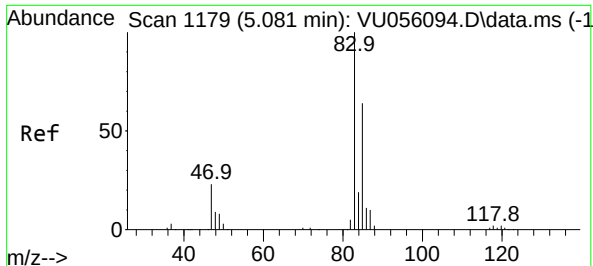
Tgt Ion: 96 Resp: 159294
 Ion Ratio Lower Upper
 96 100
 61 120.6 87.8 163.2
 98 63.5 43.5 80.7



#23
 Bromochloromethane
 Concen: 4.455 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU056111.D
 Acq: 08 Nov 2023 08:52

Tgt Ion: 128 Resp: 67831
 Ion Ratio Lower Upper
 128 100
 49 142.9 103.7 192.7
 130 131.7 91.8 170.6
 51 44.2 38.9 58.3





#25

Chloroform

Concen: 4.552 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

Instrument :

MSVOA_U

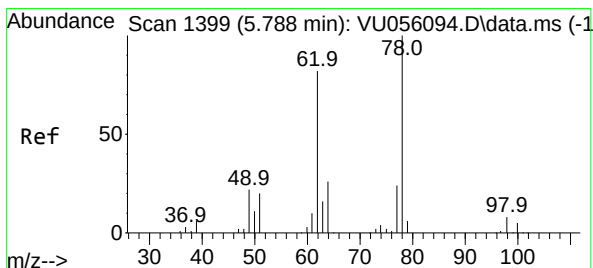
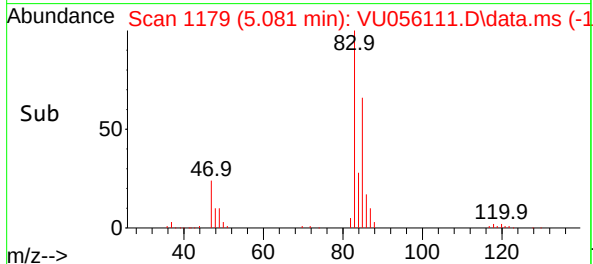
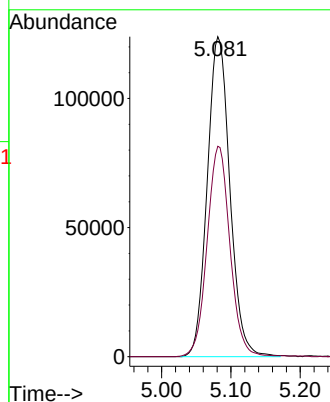
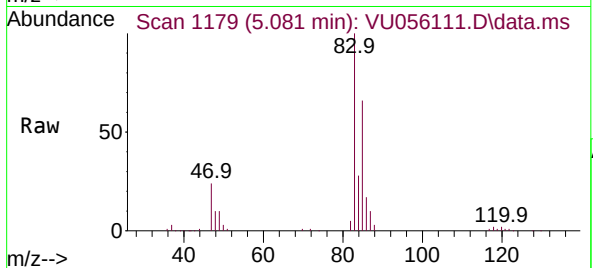
ClientSampleId :

Tgt Ion: 83 Resp: 281298

Ion Ratio Lower Upper

83 100

85 65.7 45.3 84.1



#27

1,2-Dichloroethane

Concen: 4.465 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056111.D

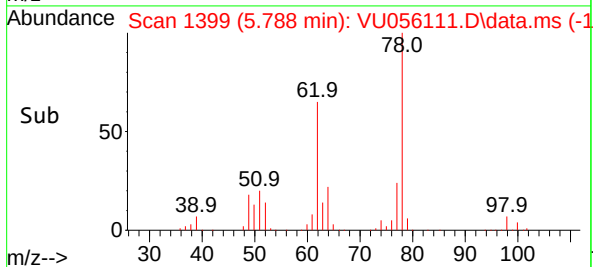
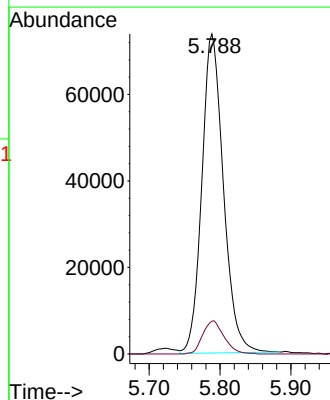
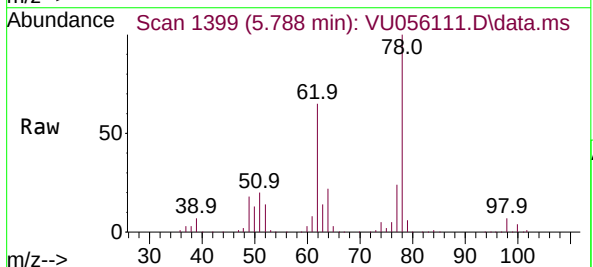
Acq: 08 Nov 2023 08:52

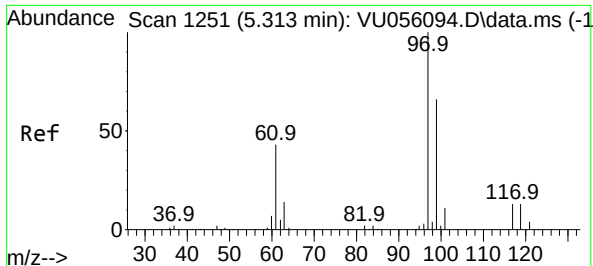
Tgt Ion: 62 Resp: 156159

Ion Ratio Lower Upper

62 100

98 10.3 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 4.721 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

Instrument :

MSVOA_U

ClientSampleId :

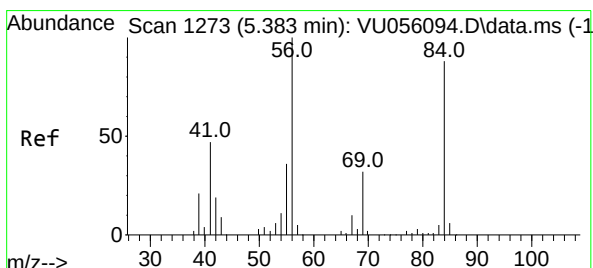
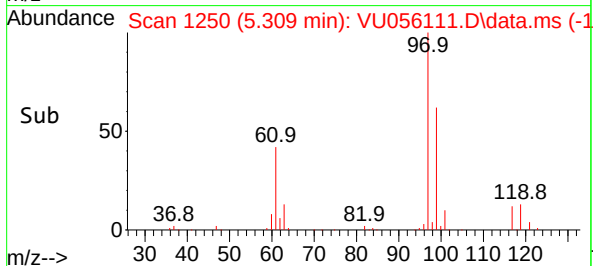
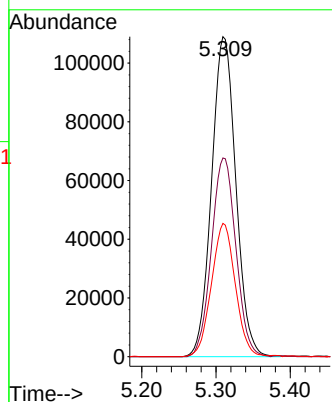
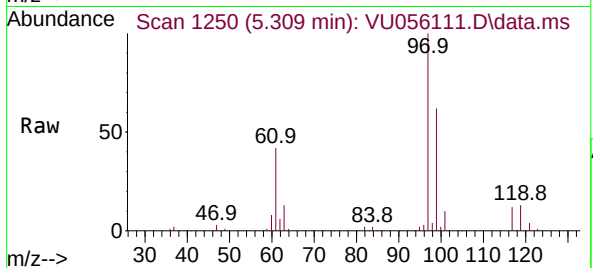
Tgt Ion: 97 Resp: 247720

Ion Ratio Lower Upper

97 100

99 62.5 52.0 78.0

61 40.9 33.4 50.0



#30

Cyclohexane

Concen: 4.544 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

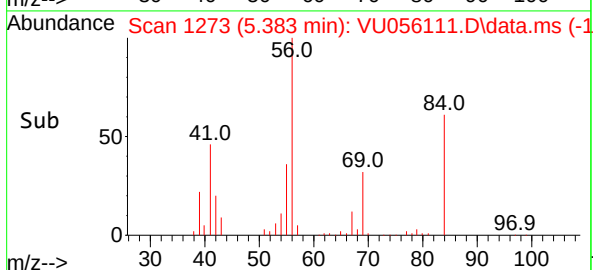
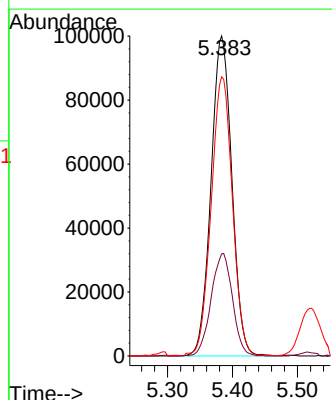
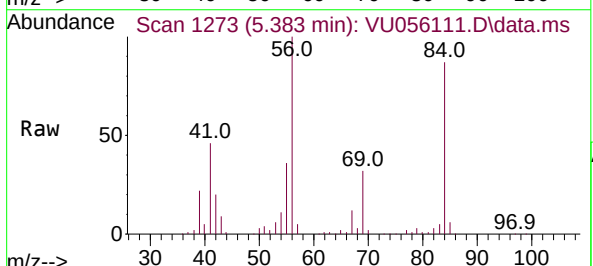
Tgt Ion: 56 Resp: 222789

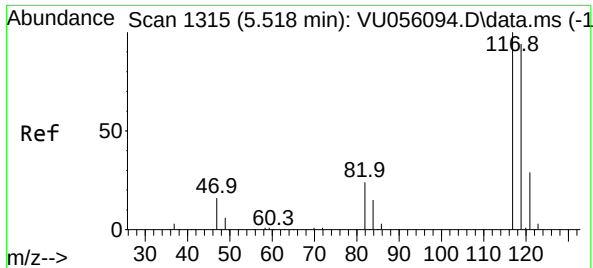
Ion Ratio Lower Upper

56 100

69 32.8 26.6 39.8

84 88.9 70.4 105.6

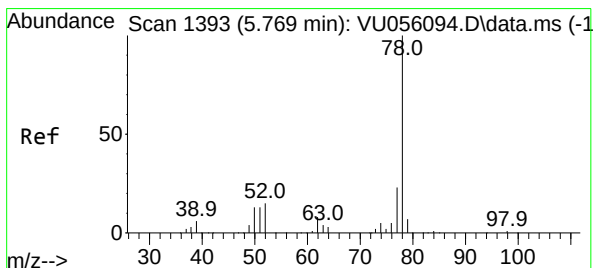
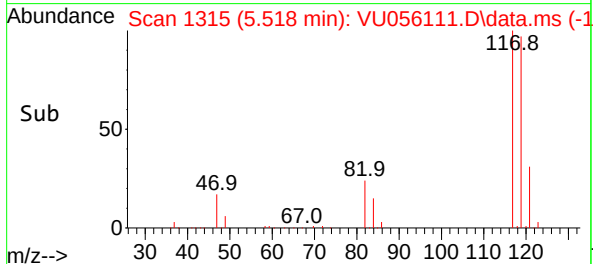
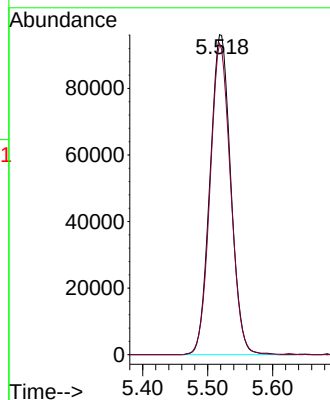
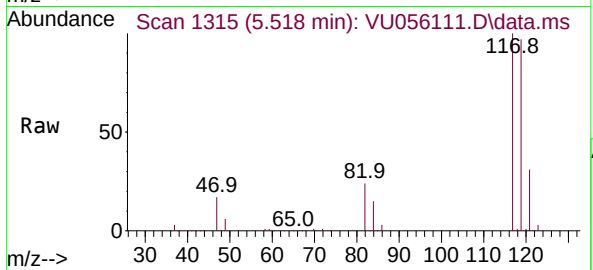




#31
Carbon tetrachloride
Concen: 4.577 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

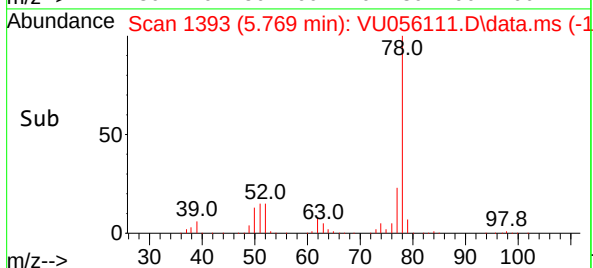
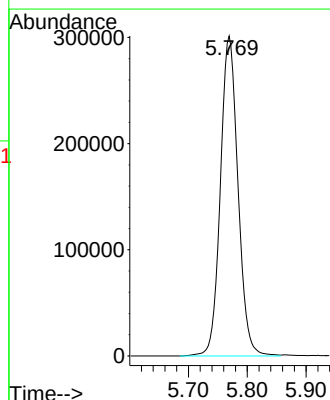
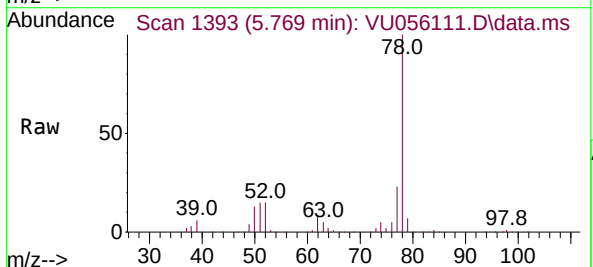
Instrument :
MSVOA_U
ClientSampleId :

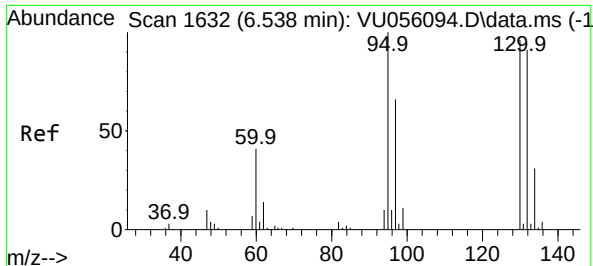
Tgt Ion:117 Resp: 213245
Ion Ratio Lower Upper
117 100
119 95.8 77.2 115.8



#33
Benzene
Concen: 4.774 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt Ion: 78 Resp: 626178

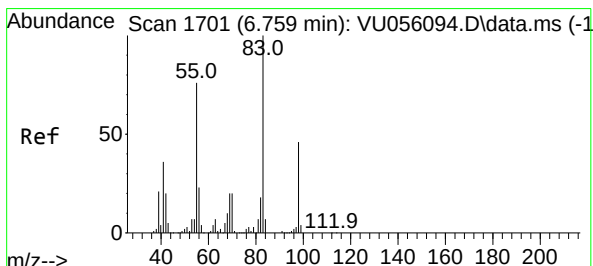
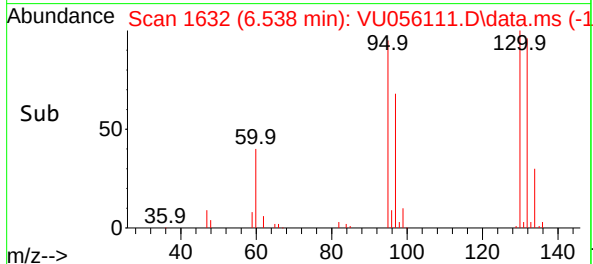
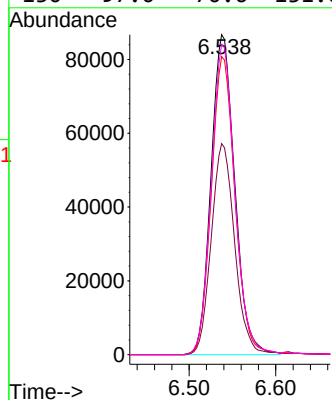
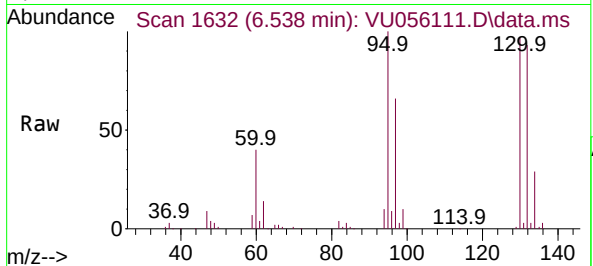




#34
Trichloroethene
Concen: 4.614 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

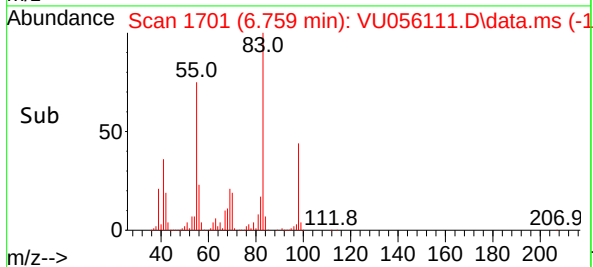
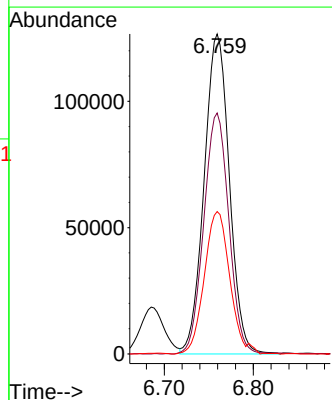
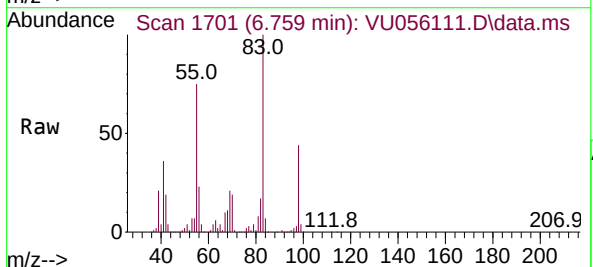
Instrument :
MSVOA_U
ClientSampleId :

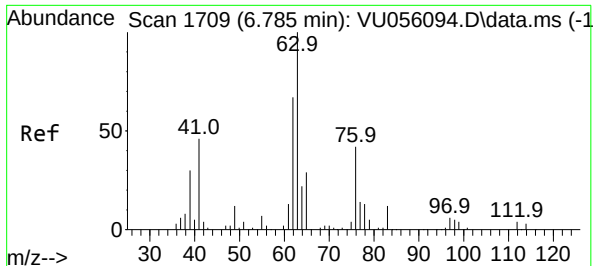
Tgt Ion: 95 Resp: 165282
Ion Ratio Lower Upper
95 100
97 65.9 46.8 87.0
132 93.1 66.5 123.5
130 97.0 70.6 131.0



#35
Methylcyclohexane
Concen: 4.687 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt Ion: 83 Resp: 249559
Ion Ratio Lower Upper
83 100
55 74.7 60.6 91.0
98 44.9 36.2 54.4

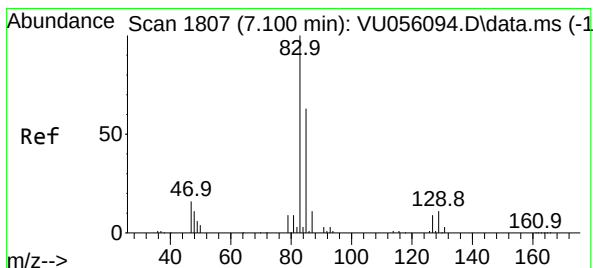
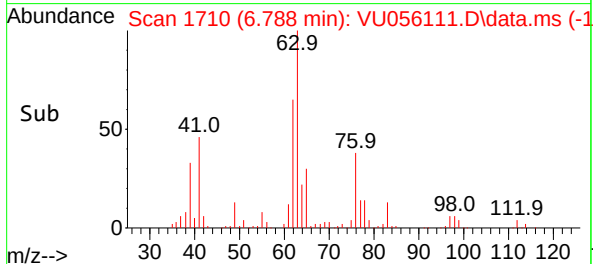
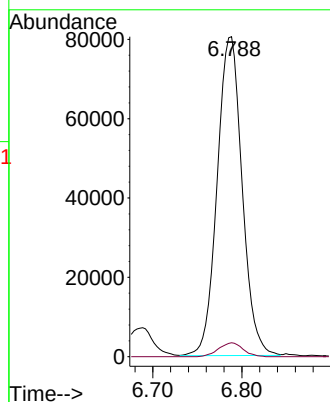
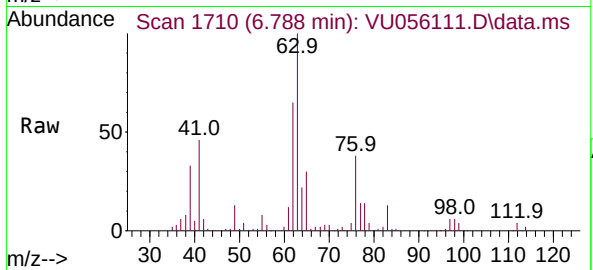




#37
1,2-Dichloropropane
Concen: 4.592 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

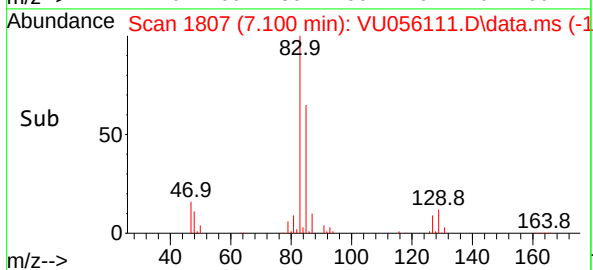
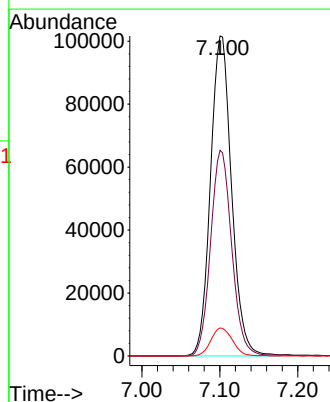
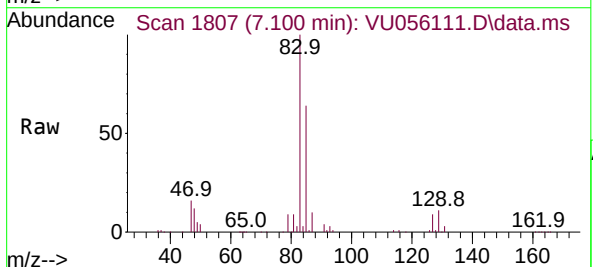
Instrument :
MSVOA_U
ClientSampleId :

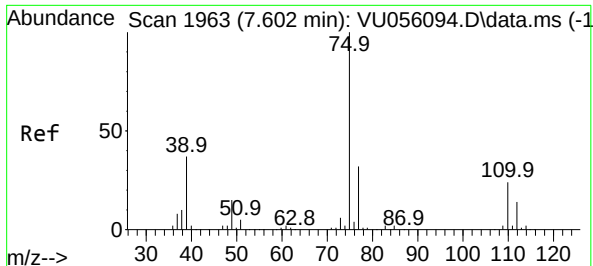
Tgt Ion: 63 Resp: 156615
Ion Ratio Lower Upper
63 100
112 4.3 3.4 5.2



#38
Bromodichloromethane
Concen: 4.494 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt Ion: 83 Resp: 191404
Ion Ratio Lower Upper
83 100
85 64.3 46.6 86.6
127 8.8 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 4.574 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

Instrument :

MSVOA_U

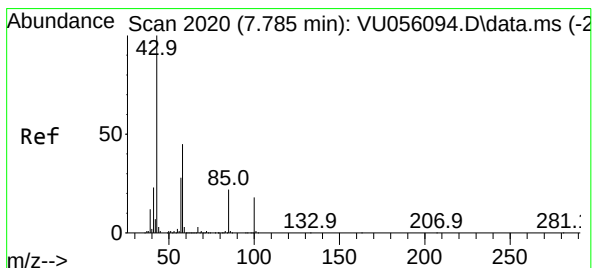
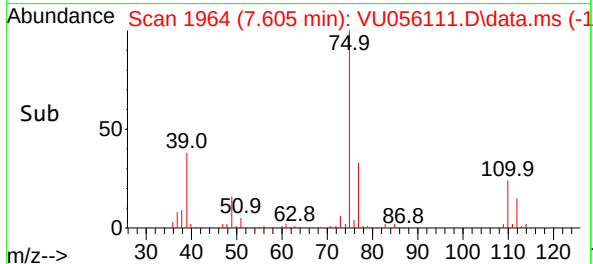
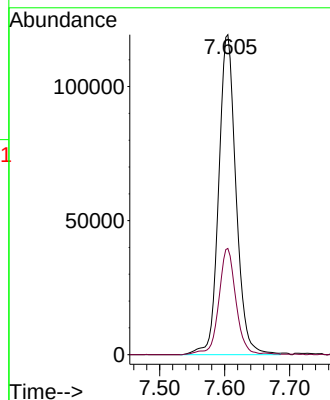
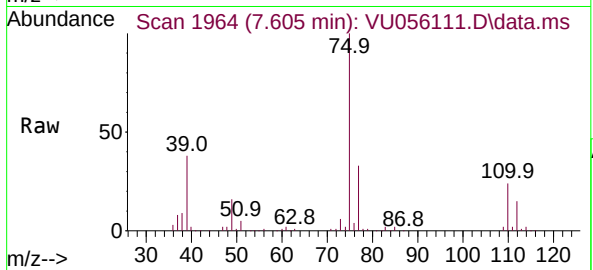
ClientSampleId :

Tgt Ion: 75 Resp: 220163

Ion Ratio Lower Upper

75 100

77 33.2 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 46.633 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

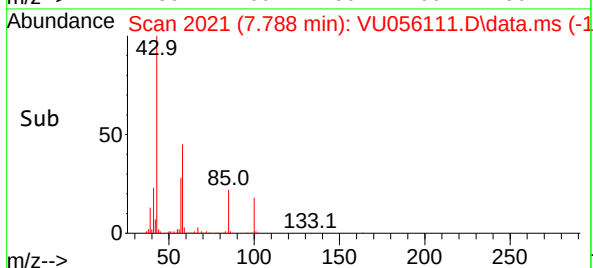
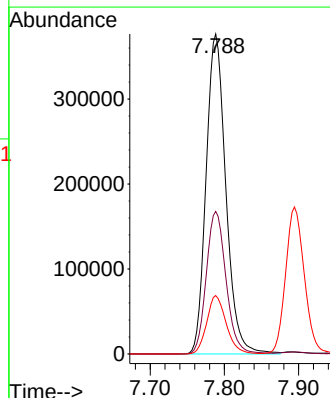
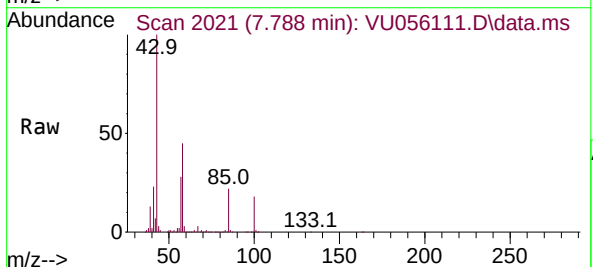
Tgt Ion: 43 Resp: 695698

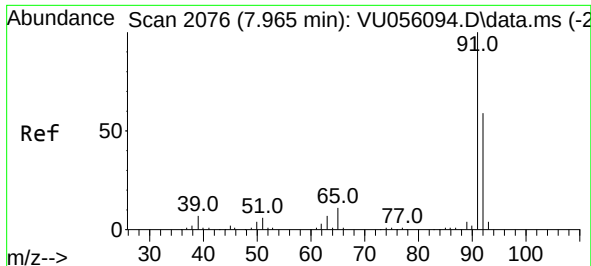
Ion Ratio Lower Upper

43 100

58 44.6 36.0 54.0

100 18.0 14.2 21.4





#42

Toluene

Concen: 4.783 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

Instrument :

MSVOA_U

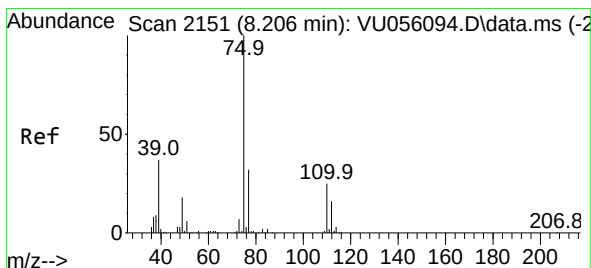
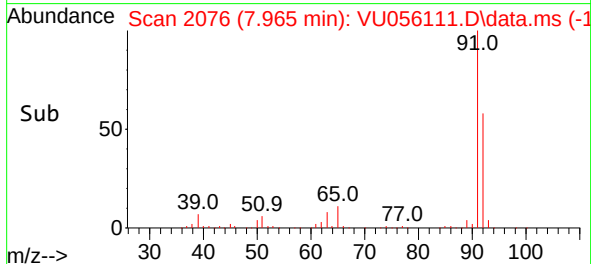
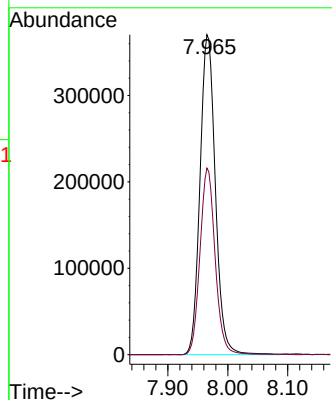
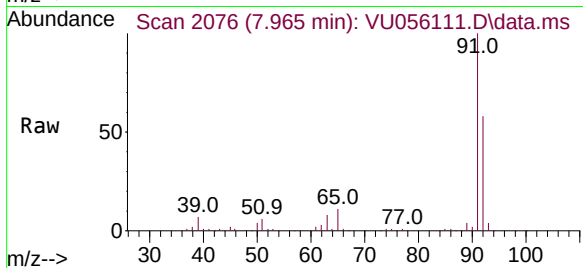
ClientSampleId :

Tgt Ion: 91 Resp: 661325

Ion Ratio Lower Upper

91 100

92 58.3 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 4.541 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056111.D

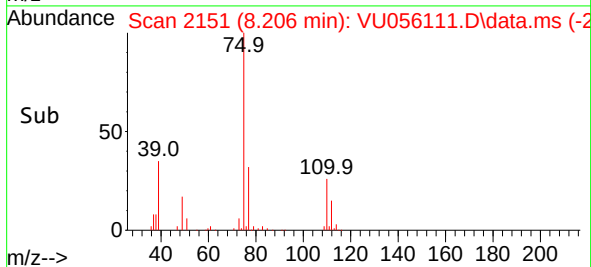
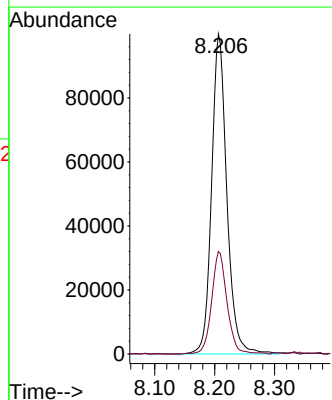
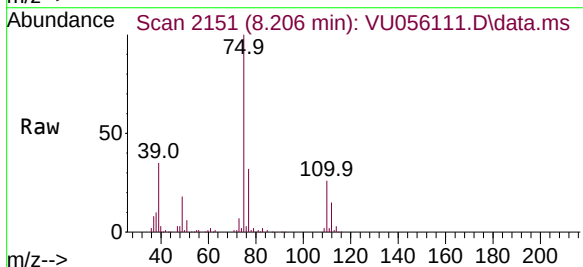
Acq: 08 Nov 2023 08:52

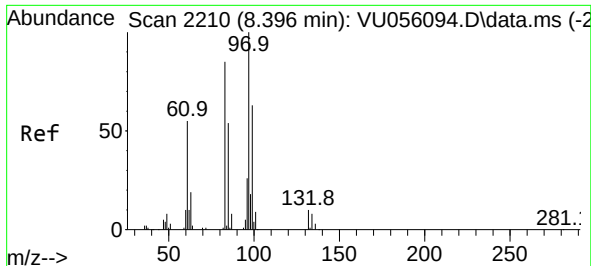
Tgt Ion: 75 Resp: 176998

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3

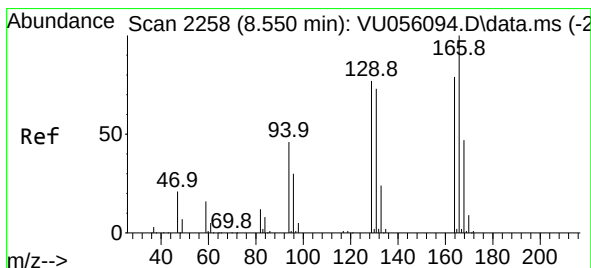
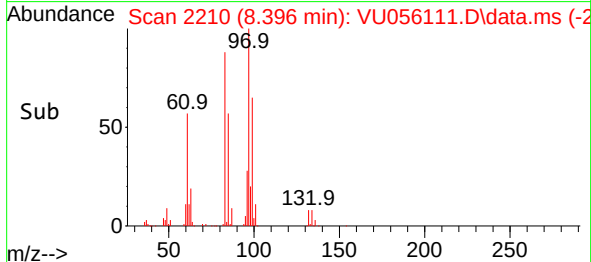
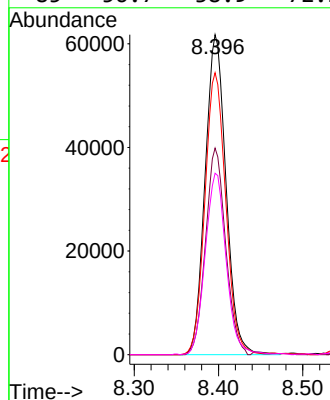
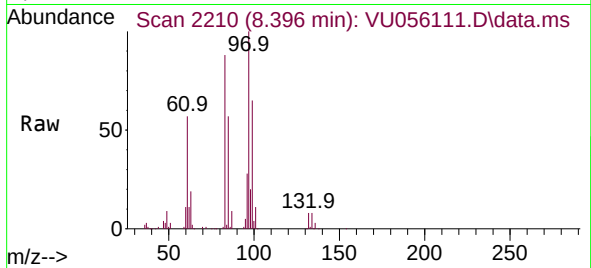




#45
1,1,2-Trichloroethane
Concen: 4.573 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

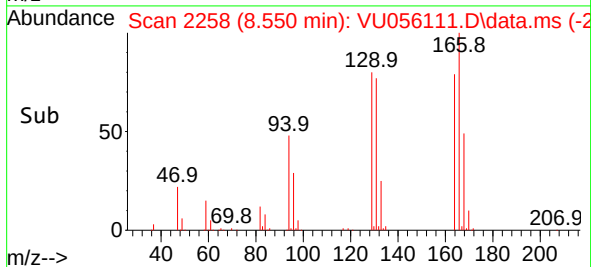
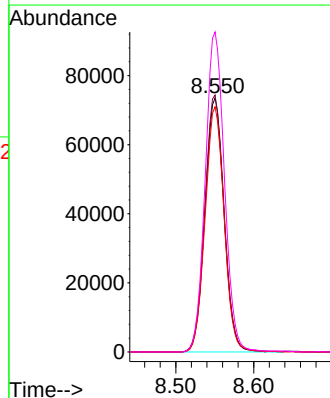
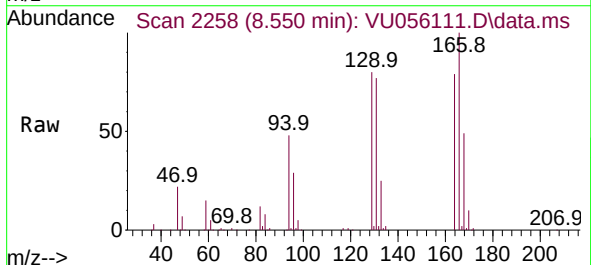
Instrument :
MSVOA_U
ClientSampleId :

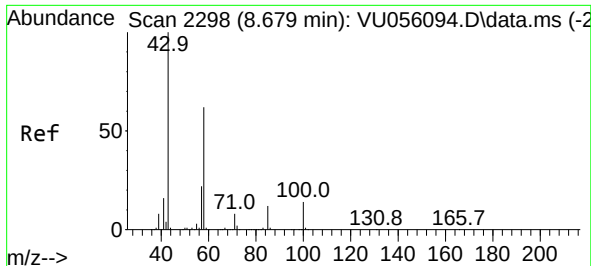
Tgt Ion: 97	Resp: 106635
Ion Ratio	Lower Upper
97 100	
99 64.6	44.7 82.9
83 88.1	59.4 110.2
85 56.7	38.9 72.2



#47
Tetrachloroethene
Concen: 4.699 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt	Ion:164	Resp:	126350
Ion	Ratio	Lower	Upper
164	100		
129	101.2	66.6	123.8
131	96.6	67.8	126.0
166	126.0	85.9	159.5

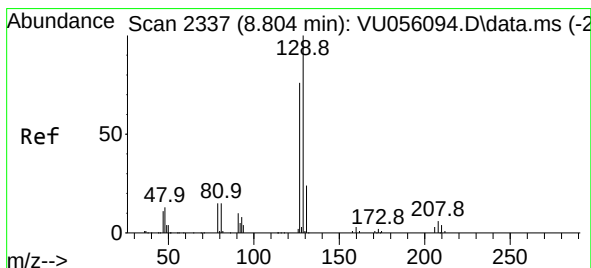
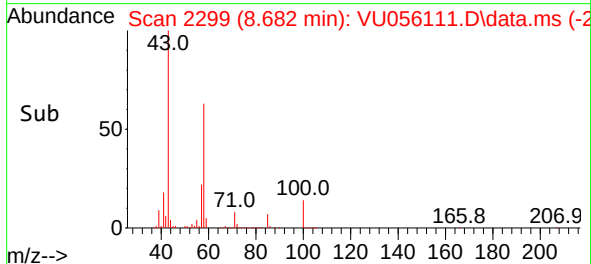
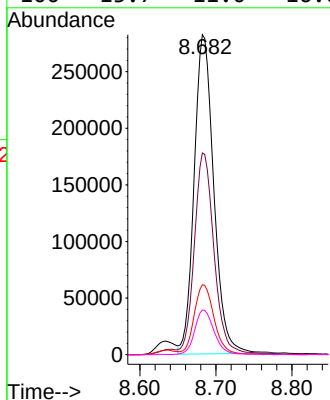
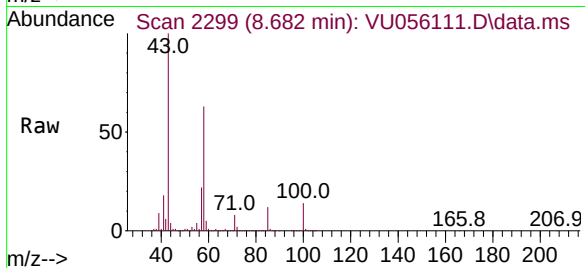




#48
2-Hexanone
Concen: 46.716 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

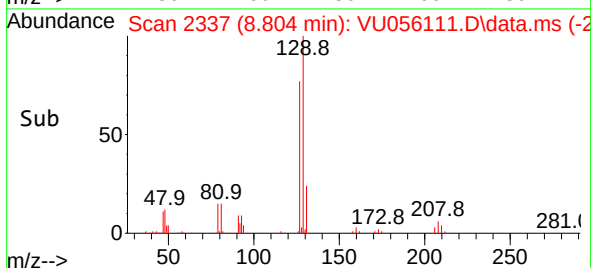
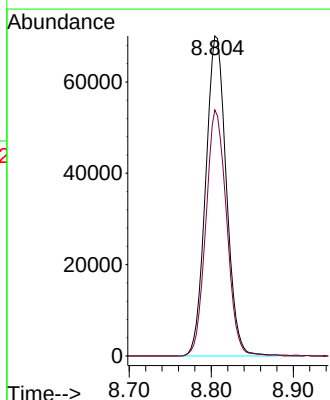
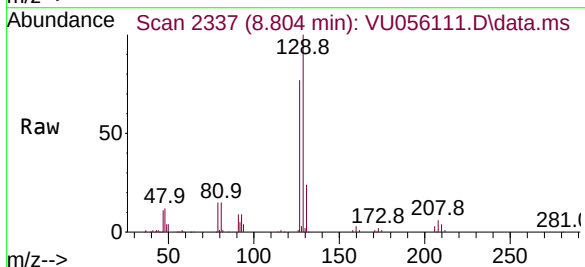
Instrument :
MSVOA_U
ClientSampleId :

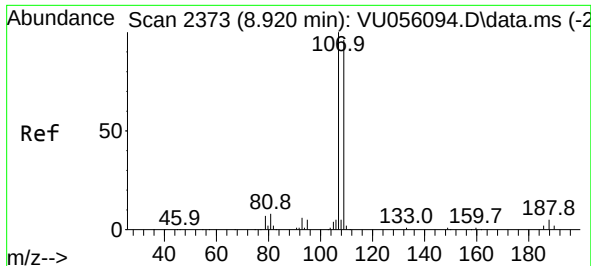
Tgt Ion: 43 Resp: 507427
Ion Ratio Lower Upper
43 100
58 63.3 52.0 78.0
57 21.9 17.4 26.2
100 13.7 11.0 16.6



#49
Dibromochloromethane
Concen: 4.567 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

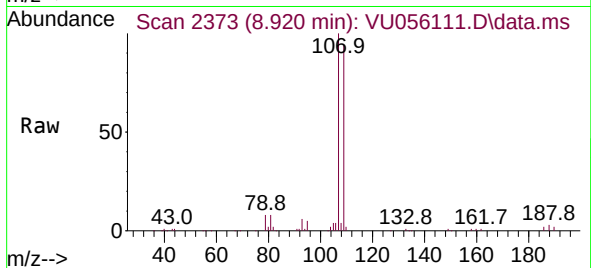
Tgt Ion: 129 Resp: 122182
Ion Ratio Lower Upper
129 100
127 76.9 55.4 102.8



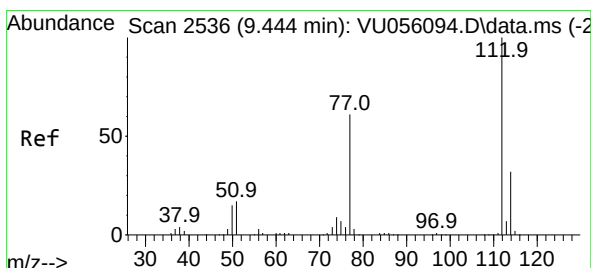
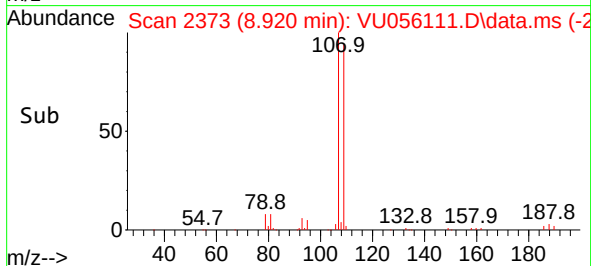
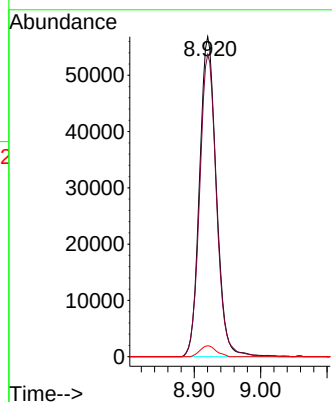


#50
1,2-Dibromoethane
Concen: 4.586 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Instrument :
MSVOA_U
ClientSampleId :

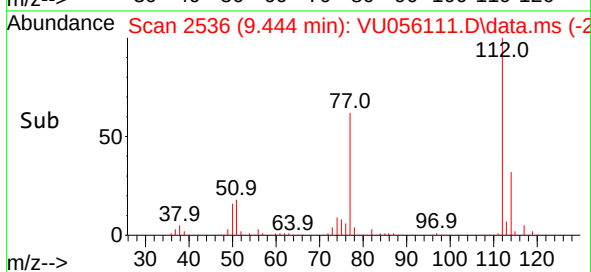
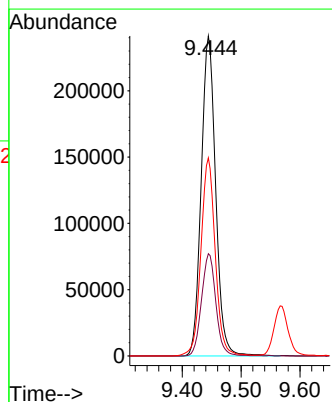
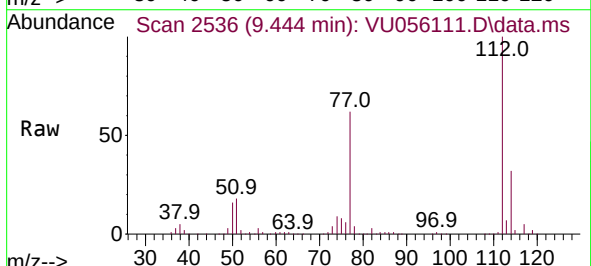


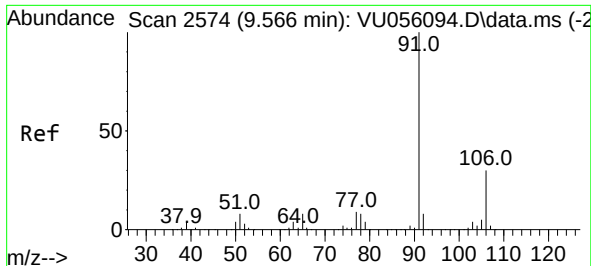
Tgt Ion:107 Resp: 99919
Ion Ratio Lower Upper
107 100
109 94.4 66.9 124.3
188 3.4 2.5 3.7



#51
Chlorobenzene
Concen: 4.615 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt Ion:112 Resp: 411638
Ion Ratio Lower Upper
112 100
114 32.0 21.8 40.4
77 61.9 48.2 72.4

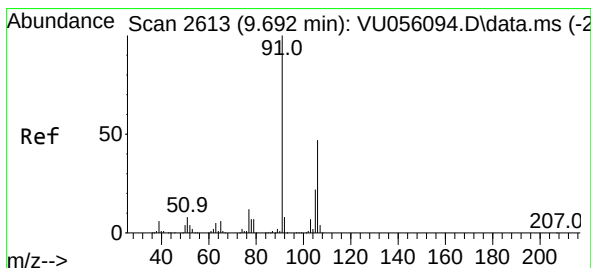
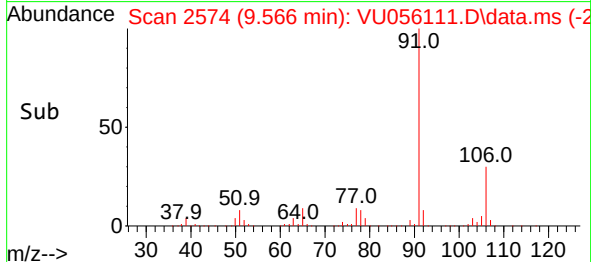
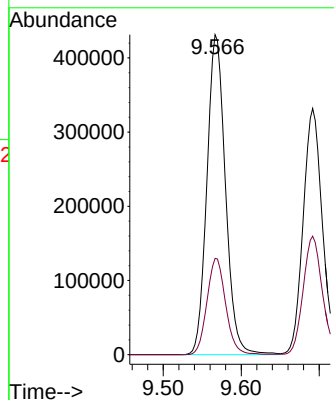
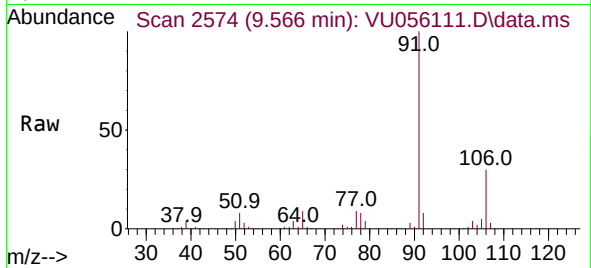




#52
Ethylbenzene
Concen: 4.736 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

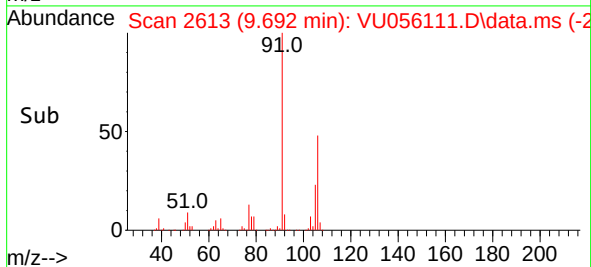
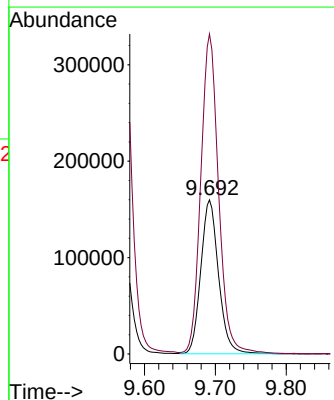
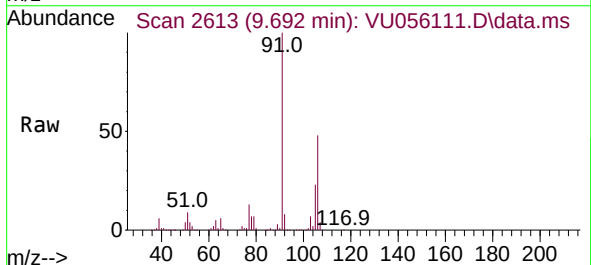
Instrument :
MSVOA_U
ClientSampleId :

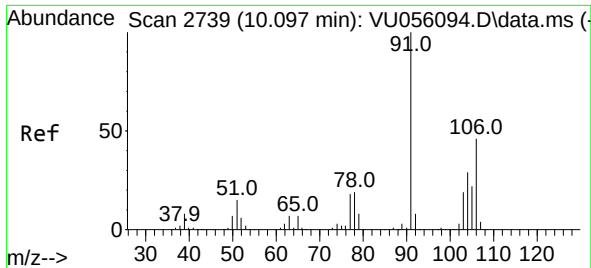
Tgt Ion: 91 Resp: 713527
Ion Ratio Lower Upper
91 100
106 30.1 21.2 39.4



#53
m,p-Xylene
Concen: 4.844 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt Ion: 106 Resp: 277578
Ion Ratio Lower Upper
106 100
91 207.6 144.9 269.1

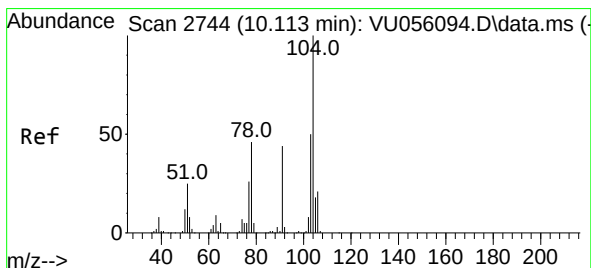
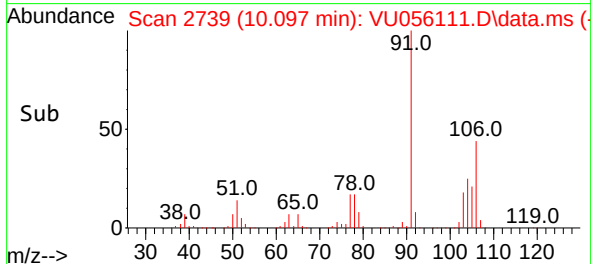
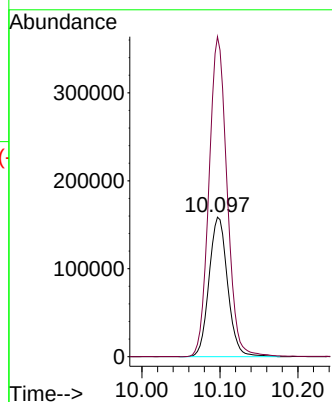
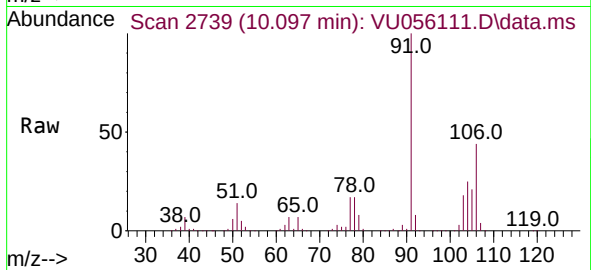




#54
o-Xylene
Concen: 4.784 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

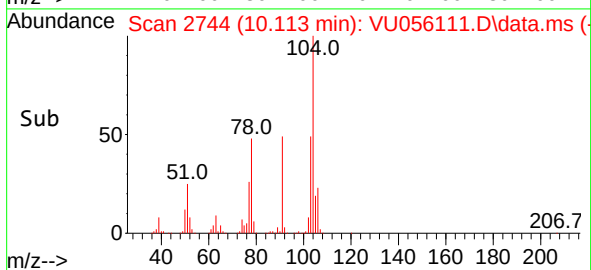
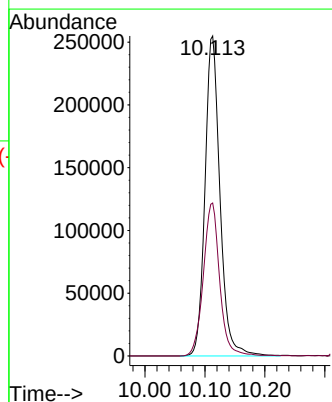
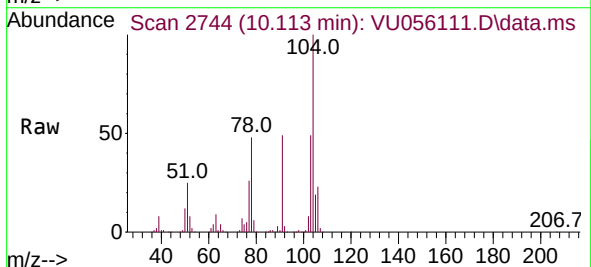
Instrument :
MSVOA_U
ClientSampleId :

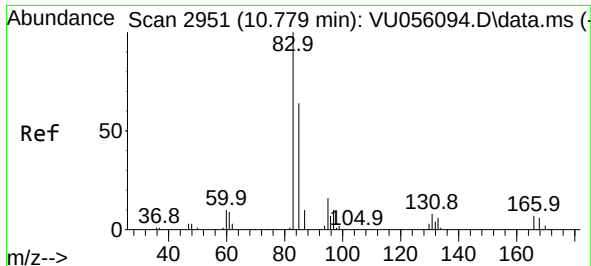
Tgt Ion:106 Resp: 262799
Ion Ratio Lower Upper
106 100
91 229.2 158.2 293.8



#55
Styrene
Concen: 4.940 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt Ion:104 Resp: 443916
Ion Ratio Lower Upper
104 100
78 47.8 33.5 62.3





#57

1,1,2,2-Tetrachloroethane

Concen: 4.626 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

Instrument :

MSVOA_U

ClientSampleId :

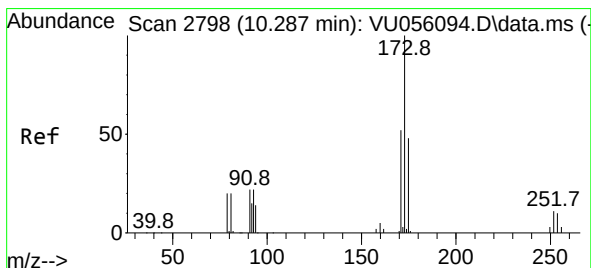
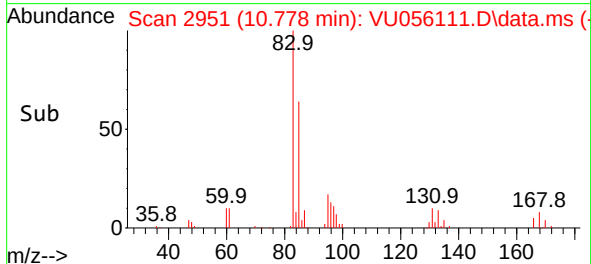
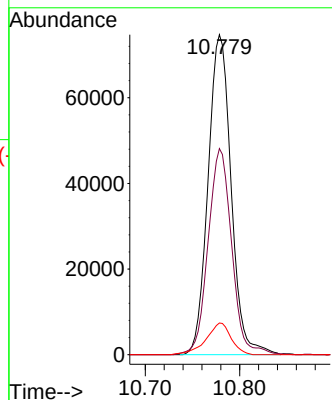
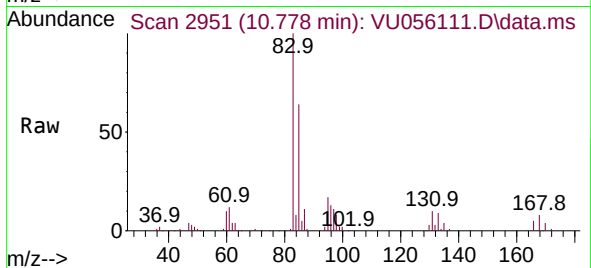
Tgt Ion: 83 Resp: 126748

Ion Ratio Lower Upper

83 100

85 64.4 44.0 81.8

131 9.9 7.4 11.2



#59

Bromoform

Concen: 4.691 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

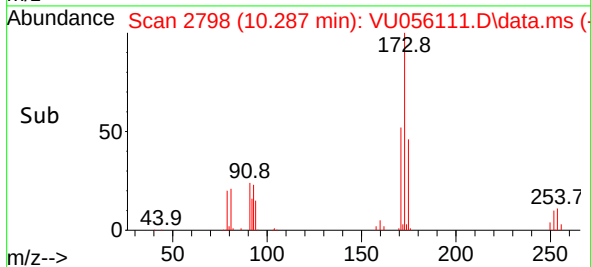
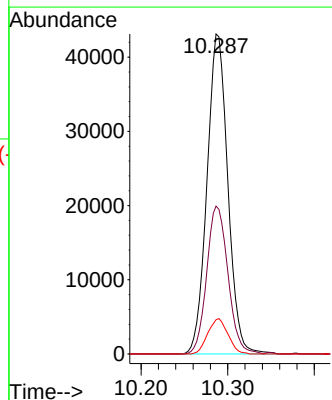
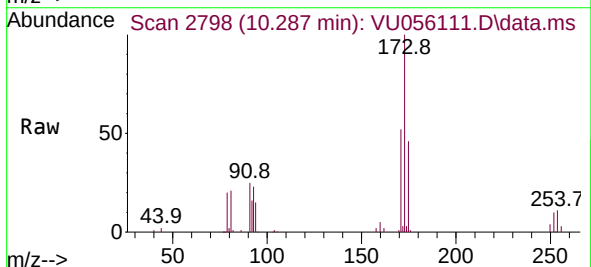
Tgt Ion:173 Resp: 72163

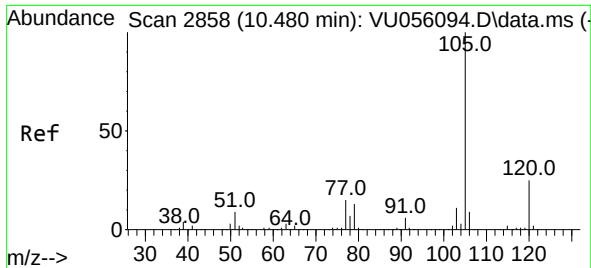
Ion Ratio Lower Upper

173 100

175 47.1 39.0 58.4

254 10.6 8.2 12.2

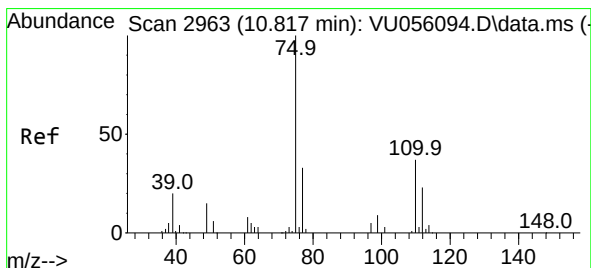
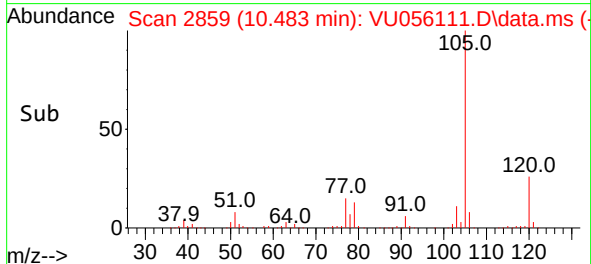
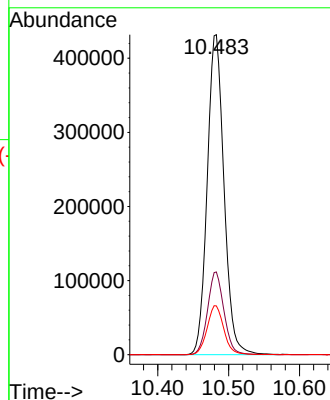
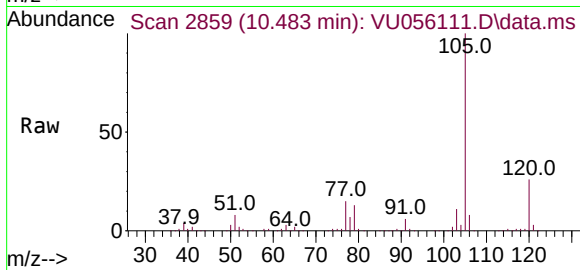




#60
Isopropylbenzene
Concen: 4.942 ug/L
RT: 10.483 min Scan# 2858
Delta R.T. 0.003 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

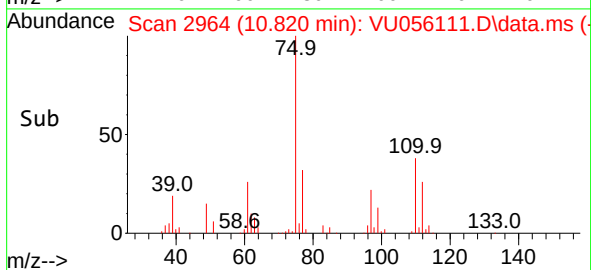
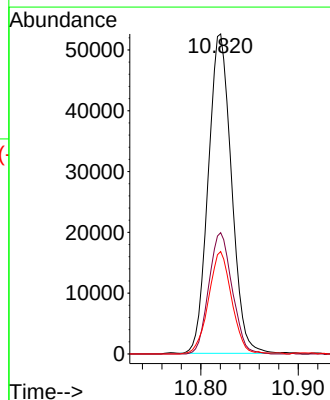
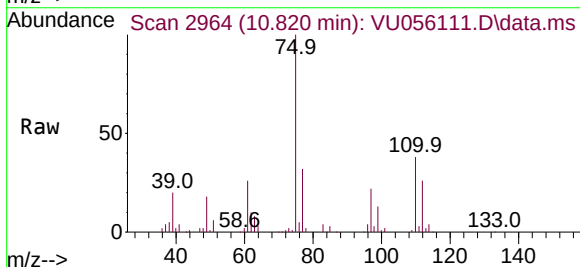
Instrument :
MSVOA_U
ClientSampleId :

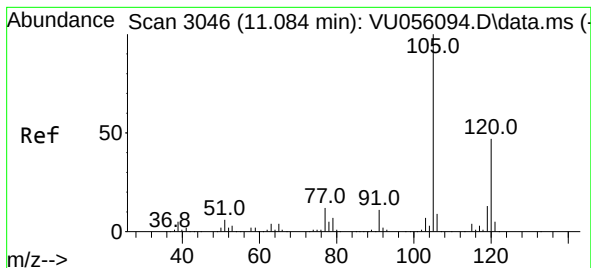
Tgt Ion:105 Resp: 709805
Ion Ratio Lower Upper
105 100
120 25.3 20.6 30.8
77 15.3 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.544 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt Ion: 75 Resp: 86879
Ion Ratio Lower Upper
75 100
110 38.2 29.7 44.5
77 32.0 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 4.940 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

Instrument :

MSVOA_U

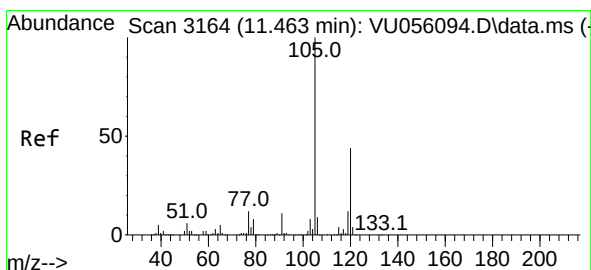
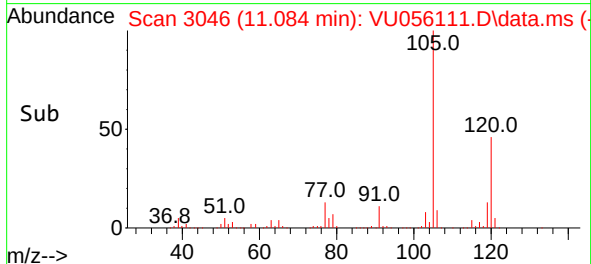
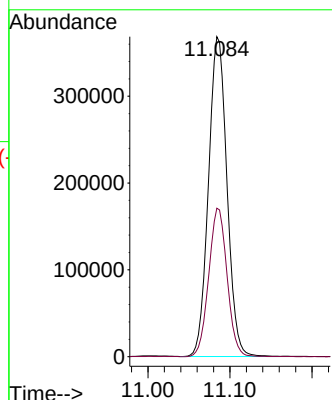
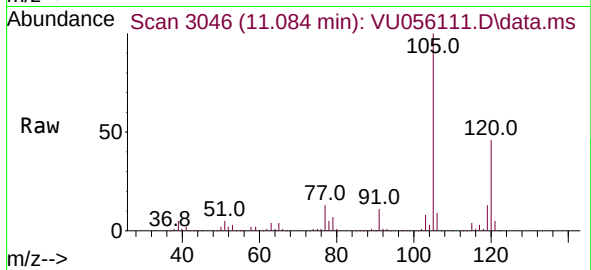
ClientSampleId :

Tgt Ion:105 Resp: 575366

Ion Ratio Lower Upper

105 100

120 46.2 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 5.072 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU056111.D

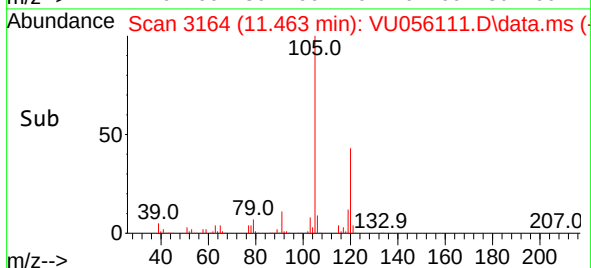
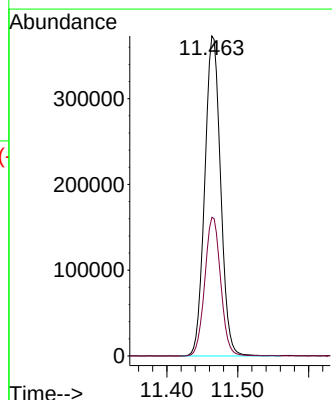
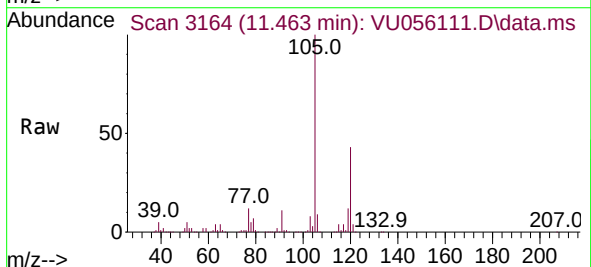
Acq: 08 Nov 2023 08:52

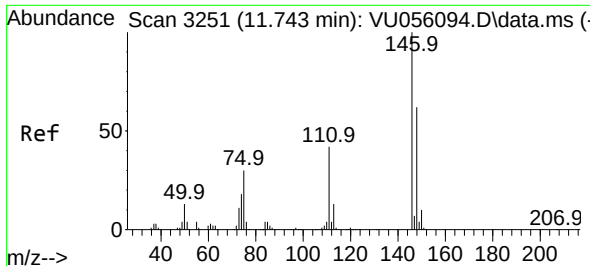
Tgt Ion:105 Resp: 579518

Ion Ratio Lower Upper

105 100

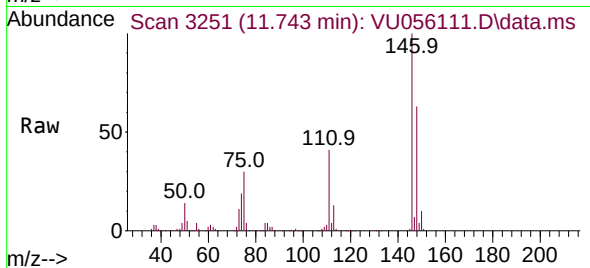
120 43.4 35.4 53.0



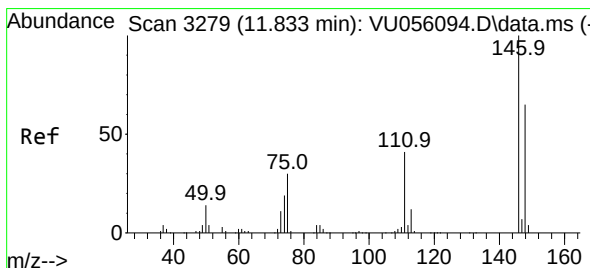
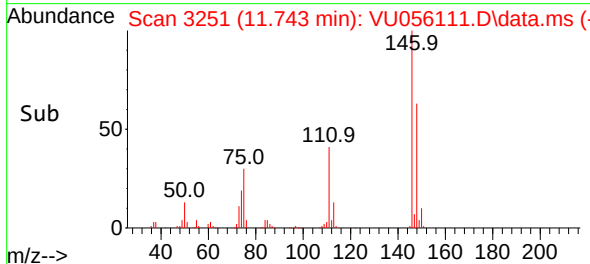
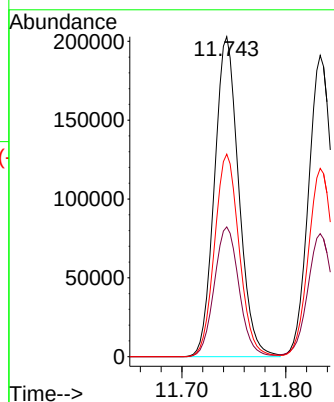


#64
1,3-Dichlorobenzene
Concen: 4.851 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Instrument :
MSVOA_U
ClientSampleId :

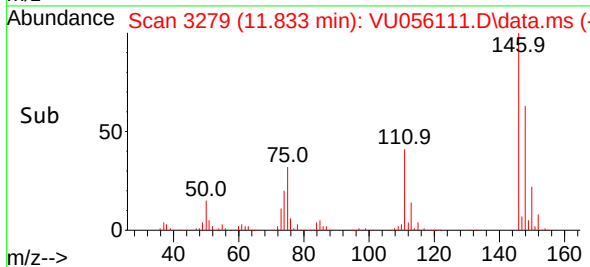
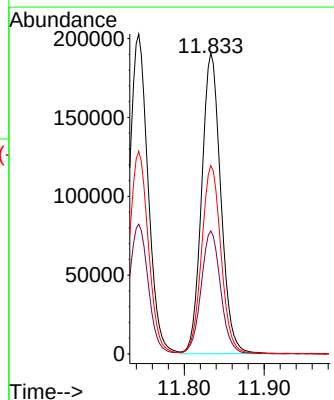
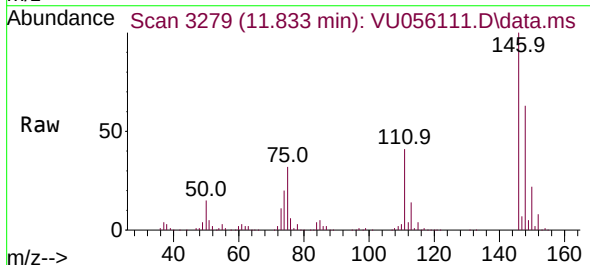


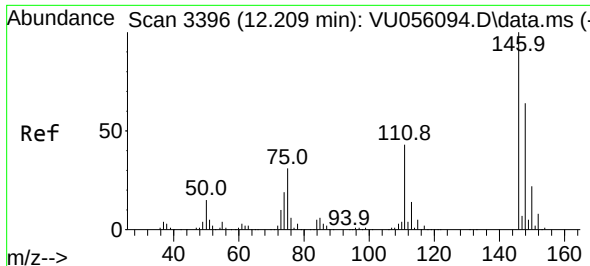
Tgt Ion:146 Resp: 329955
Ion Ratio Lower Upper
146 100
111 40.5 29.7 55.1
148 63.3 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 4.724 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt Ion:146 Resp: 317765
Ion Ratio Lower Upper
146 100
111 40.9 29.0 53.8
148 62.5 43.9 81.5





#67

1,2-Dichlorobenzene

Concen: 4.743 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

Instrument :

MSVOA_U

ClientSampleId :

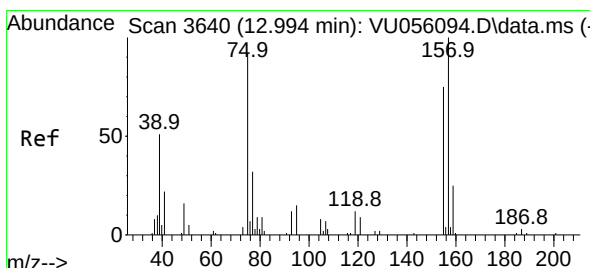
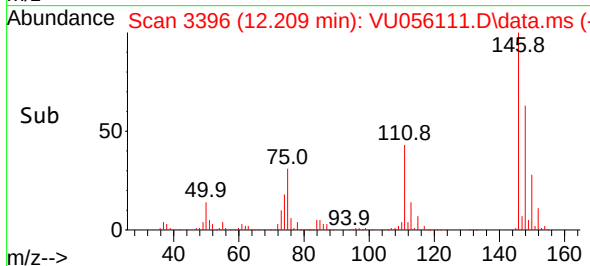
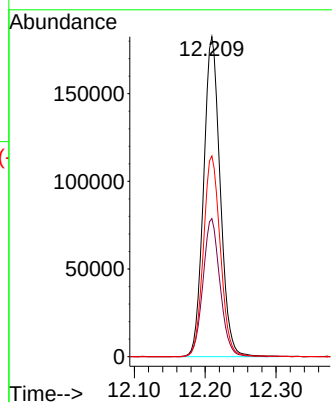
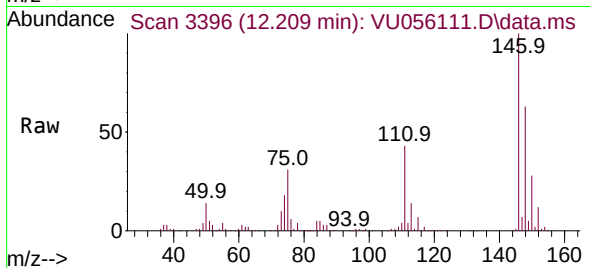
Tgt Ion:146 Resp: 297327

Ion Ratio Lower Upper

146 100

111 43.1 35.2 52.8

148 62.8 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.186 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056111.D

Acq: 08 Nov 2023 08:52

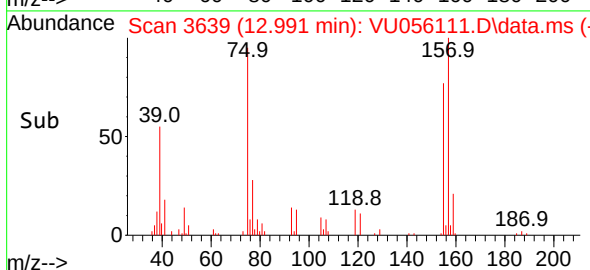
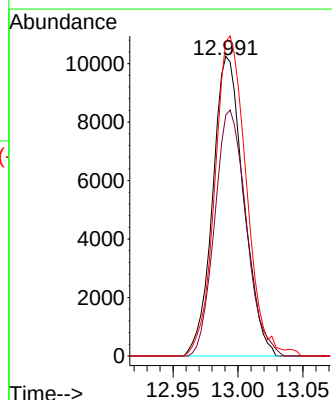
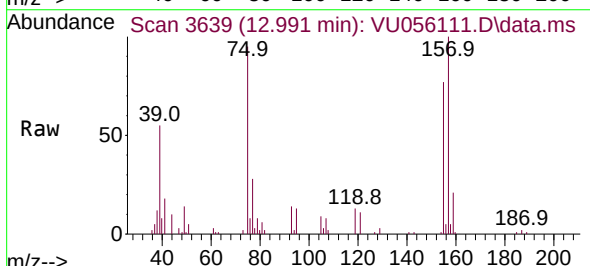
Tgt Ion: 75 Resp: 16883

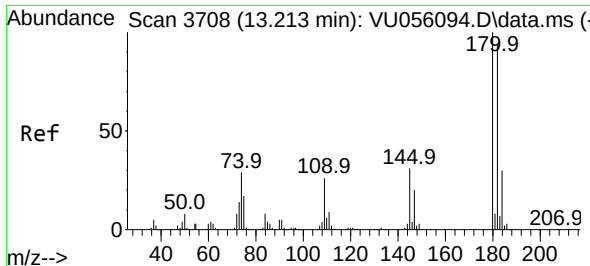
Ion Ratio Lower Upper

75 100

155 80.4 63.3 94.9

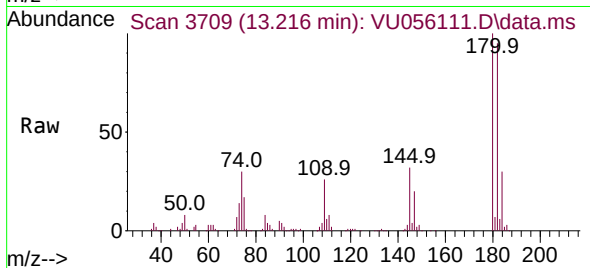
157 104.9 79.1 118.7



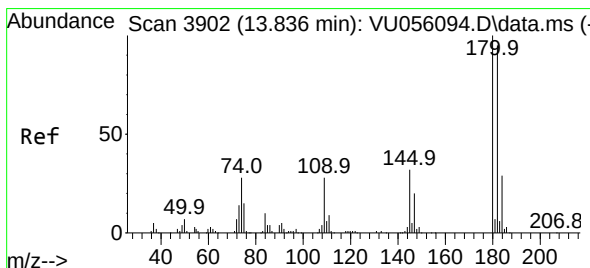
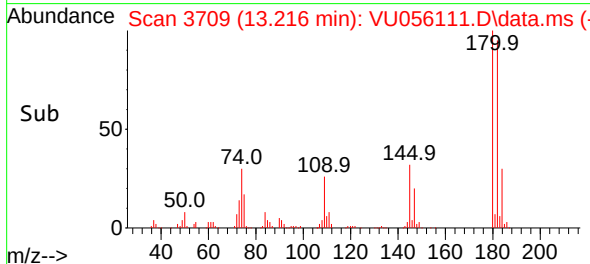
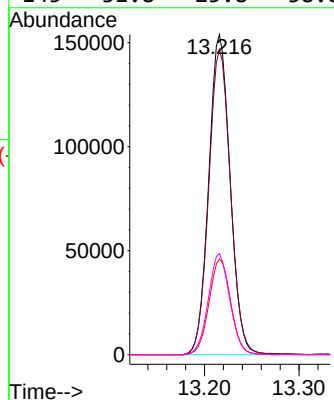


#69
 1,3,5-Trichlorobenzene
 Concen: 4.753 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.003 min
 Lab File: VU056111.D
 Acq: 08 Nov 2023 08:52

Instrument :
 MSVOA_U
 ClientSampleId :

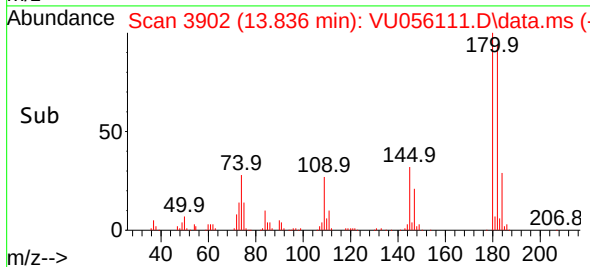
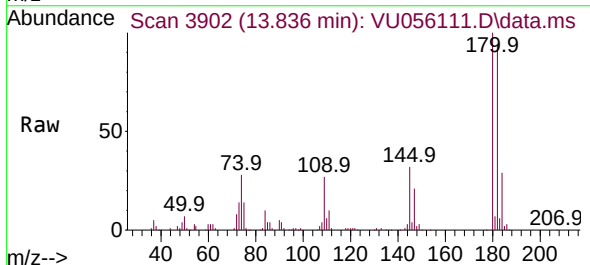
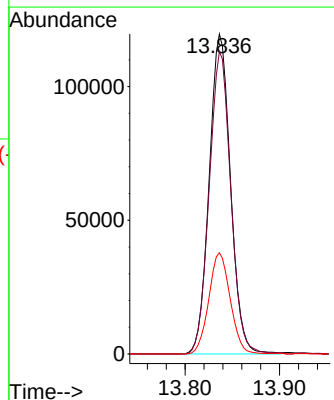


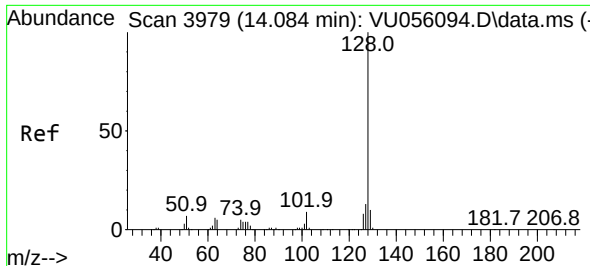
Tgt Ion:180 Resp: 242118
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.0 114.0
 184 30.2 24.0 36.0
 145 31.8 25.8 38.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.638 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU056111.D
 Acq: 08 Nov 2023 08:52

Tgt Ion:180 Resp: 187481
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.4 116.2
 145 31.8 25.9 38.9

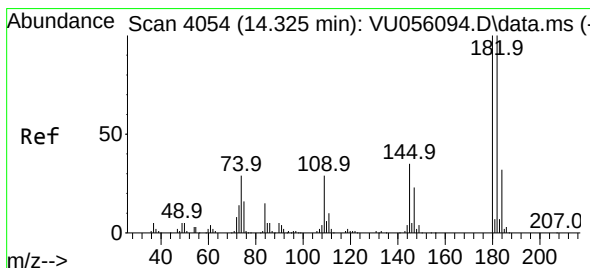
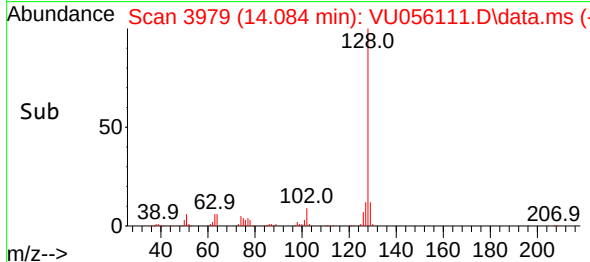
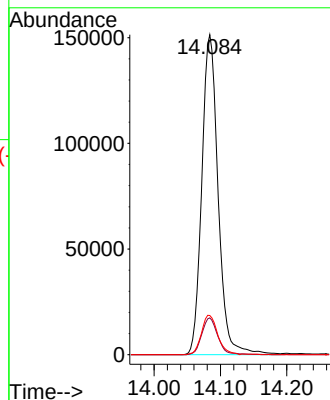
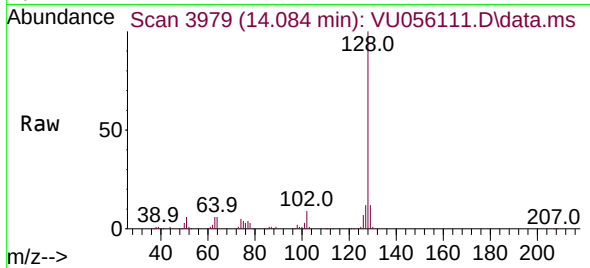




#71
Naphthalene
Concen: 4.324 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 259187
Ion Ratio Lower Upper
128 100
129 11.2 8.4 12.6
127 12.3 10.5 15.7



#72
1,2,3-Trichlorobenzene
Concen: 4.546 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU056111.D
Acq: 08 Nov 2023 08:52

Tgt Ion:180 Resp: 161092
Ion Ratio Lower Upper
180 100
182 96.7 76.6 115.0
145 33.9 28.0 42.0

