

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061324\
 Data File : VU059239.D
 Acq On : 13 Jun 2024 16:59
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 14 06:57:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 14 06:53:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	161004	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	161551	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	80914	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	36849	3.778	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.600%
7) Chloroethane-d5	1.908	69	39446	4.475	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.400%
11) 1,1-Dichloroethene-d2	2.560	65	15628	3.932	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.600%
20) 2-Butanone-d5	4.615	46	138333	54.556	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.120%
24) Chloroform-d	5.055	84	99061	5.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.695	65	49906	4.931	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	5.721	84	179692	4.846	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.682	67	62521	5.060	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.200%
41) Toluene-d8	7.891	98	153182	4.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	8.174	79	18692	4.408	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.200%
46) 2-Hexanone-d5	8.628	63	103801	51.011	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.020%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	58155	5.450	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	59742	4.909	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	54287	4.609	ug/L	98
3) Chloromethane	1.519	50	66541	4.851	ug/L	99
5) Vinyl chloride	1.599	62	73409	4.996	ug/L	98
6) Bromomethane	1.850	94	45282	4.947	ug/L	99
8) Chloroethane	1.927	64	47960	5.136	ug/L	100
9) Trichlorofluoromethane	2.133	101	90220	4.787	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	56756	4.970	ug/L	100
12) 1,1-Dichloroethene	2.573	96	50768	5.061	ug/L	91
13) Acetone	2.621	43	81159	46.309	ug/L	95
14) Carbon disulfide	2.785	76	142547	4.485	ug/L	99
15) Methyl Acetate	2.946	43	22443	5.152	ug/L	97
16) Methylene chloride	3.036	84	64889	4.768	ug/L	98
17) Methyl tert-butyl Ether	3.355	73	129312	4.959	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	52955	5.014	ug/L	96
19) 1,1-Dichloroethane	3.859	63	117078	5.303	ug/L	98
21) 2-Butanone	4.695	43	142030	50.529	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	65597	5.395	ug/L	94
23) Bromochloromethane	4.969	128	29299	5.456	ug/L	98
25) Chloroform	5.078	83	120260	5.213	ug/L	99

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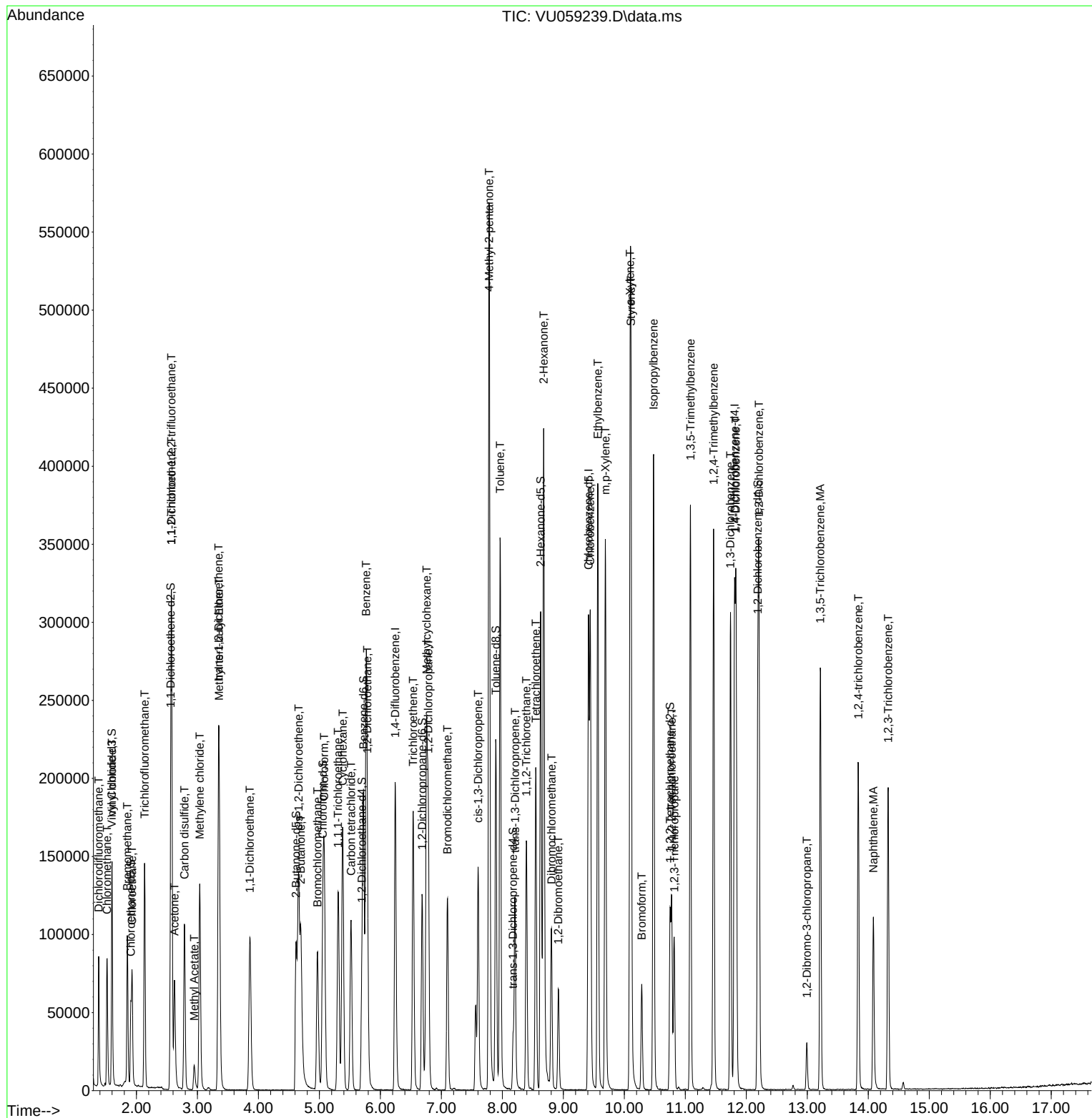
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	73091	5.186	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	90059	4.986	ug/L	97
30) Cyclohexane	5.383	56	80529	4.715	ug/L	98
31) Carbon tetrachloride	5.518	117	75487	5.010	ug/L	99
33) Benzene	5.766	78	250563	5.277	ug/L	100
34) Trichloroethene	6.538	95	64923	5.168	ug/L	96
35) Methylcyclohexane	6.756	83	83061	4.635	ug/L	98
37) 1,2-Dichloropropane	6.785	63	70002	5.193	ug/L	100
38) Bromodichloromethane	7.100	83	83837	5.189	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	89524	4.873	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	363009	52.105	ug/L	99
42) Toluene	7.962	91	264962	5.350	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	70560	4.707	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	50484	5.324	ug/L	95
47) Tetrachloroethene	8.547	164	45235	5.055	ug/L	96
48) 2-Hexanone	8.676	43	259750	51.736	ug/L	98
49) Dibromochloromethane	8.804	129	51843	5.185	ug/L	95
50) 1,2-Dibromoethane	8.917	107	44013	5.253	ug/L	100
51) Chlorobenzene	9.441	112	163576	5.183	ug/L	98
52) Ethylbenzene	9.563	91	267672	5.006	ug/L	98
53) m,p-Xylene	9.689	106	99454	5.082	ug/L	97
54) o-Xylene	10.094	106	97965	5.118	ug/L	100
55) Styrene	10.110	104	169405	5.261	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	61872	5.147	ug/L	99
59) Bromoform	10.284	173	29934	5.063	ug/L	99
60) Isopropylbenzene	10.480	105	261587	5.050	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	41898	5.028	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	200745	4.862	ug/L	100
63) 1,2,4-Trimethylbenzene	11.464	105	198326	4.845	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	123117	4.885	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	123677	4.916	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	118143	5.015	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	8103	4.834	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.213	180	85704	4.535	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	64707	4.149	ug/L	97
71) Naphthalene	14.084	128	97357	4.142	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	60929	4.452	ug/L	99

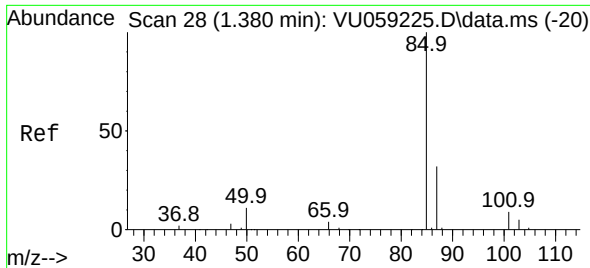
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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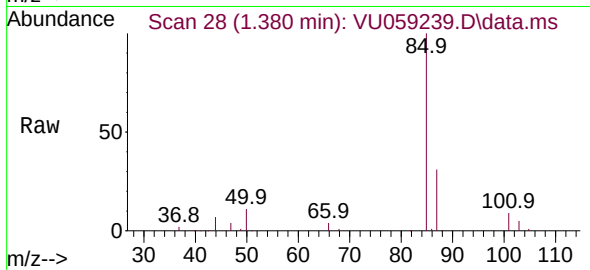
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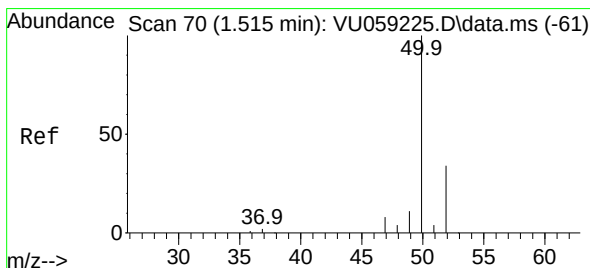
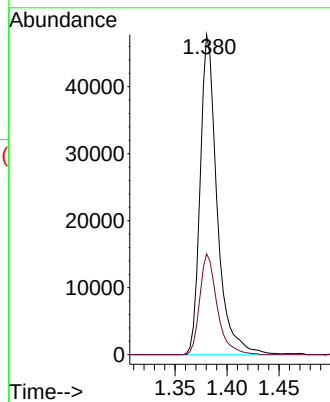
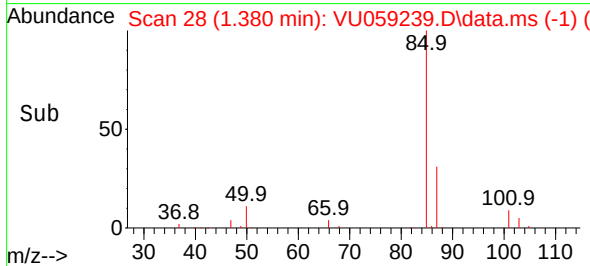


#2
Dichlorodifluoromethane
Concen: 4.609 ug/L
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Instrument :
MSVOA_U
ClientSampleId :

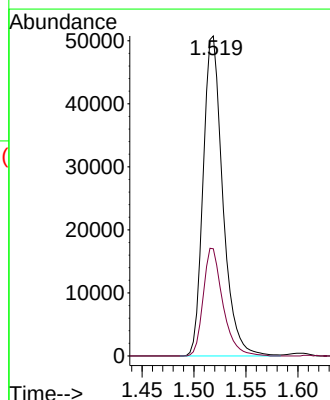
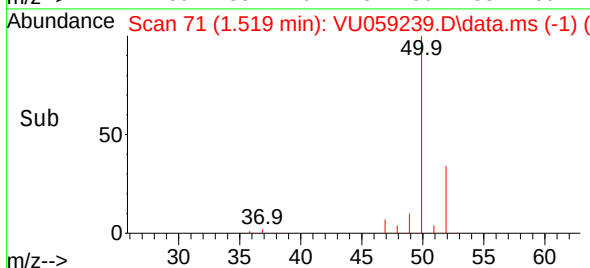
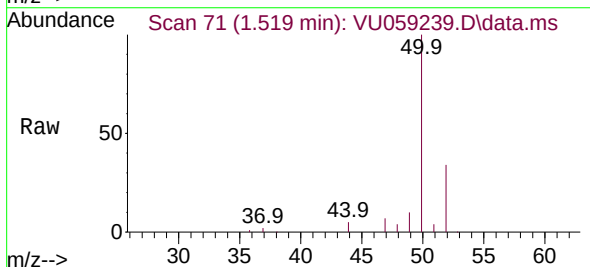


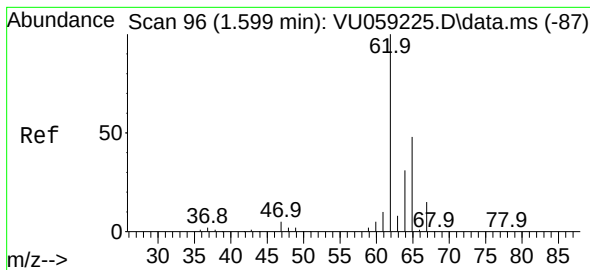
Tgt Ion: 85 Resp: 54287
Ion Ratio Lower Upper
85 100
87 32.3 26.6 40.0



#3
Chloromethane
Concen: 4.851 ug/L
RT: 1.519 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion: 50 Resp: 66541
Ion Ratio Lower Upper
50 100
52 33.5 23.2 43.0





#5

Vinyl chloride

Concen: 4.996 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Instrument :

MSVOA_U

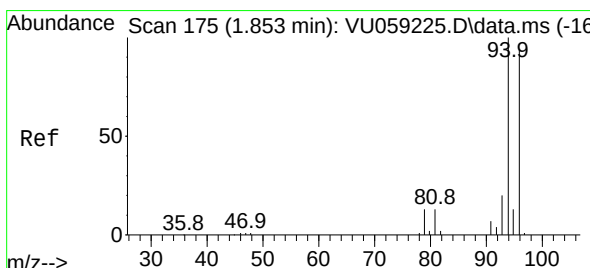
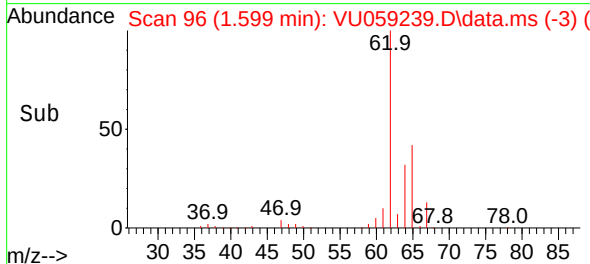
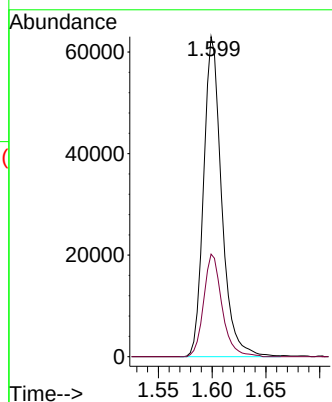
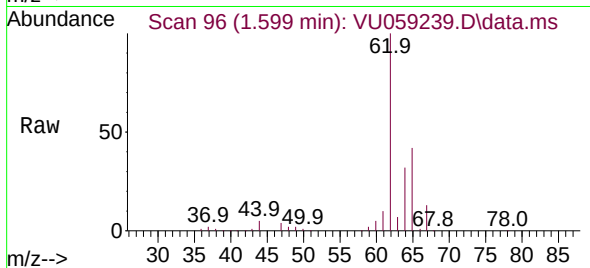
ClientSampleId :

Tgt Ion: 62 Resp: 73409

Ion Ratio Lower Upper

62 100

64 32.0 23.1 42.9



#6

Bromomethane

Concen: 4.947 ug/L

RT: 1.850 min Scan# 174

Delta R.T. -0.003 min

Lab File: VU059239.D

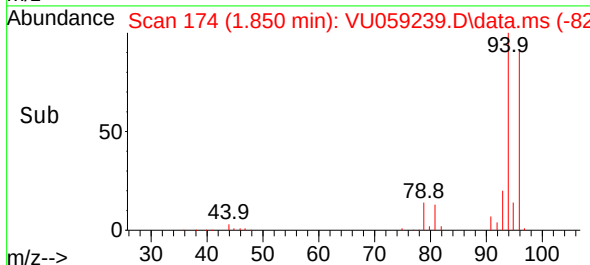
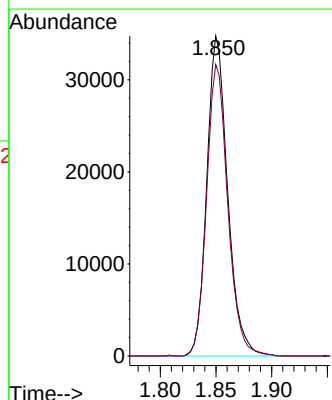
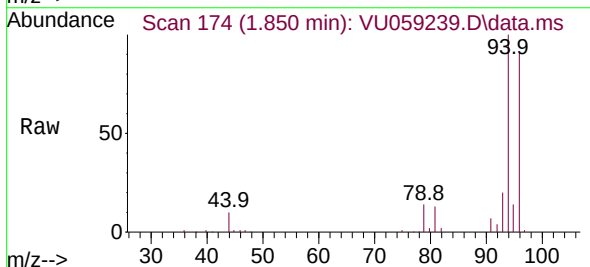
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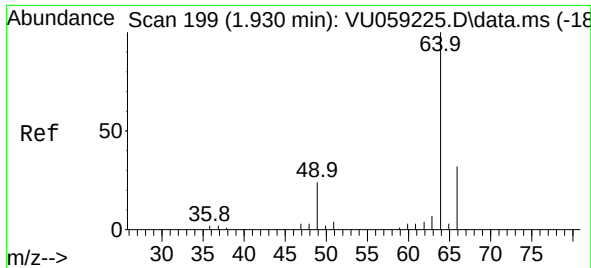
Tgt Ion: 94 Resp: 45282

Ion Ratio Lower Upper

94 100

96 91.1 62.9 116.9

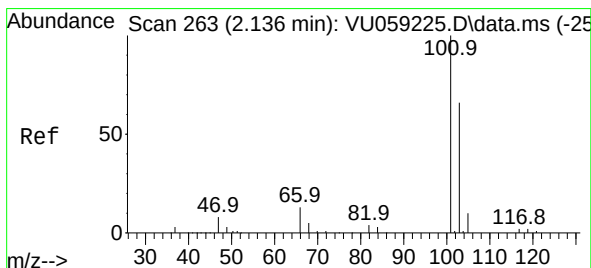
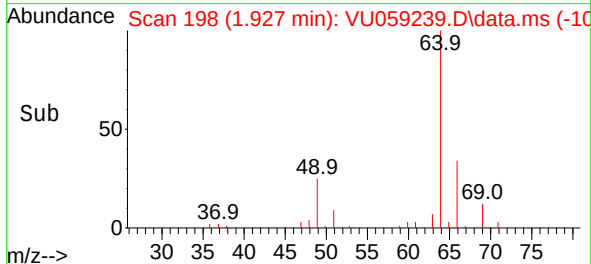
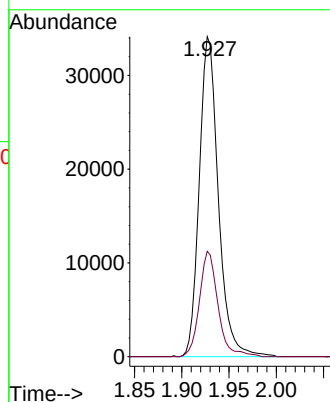
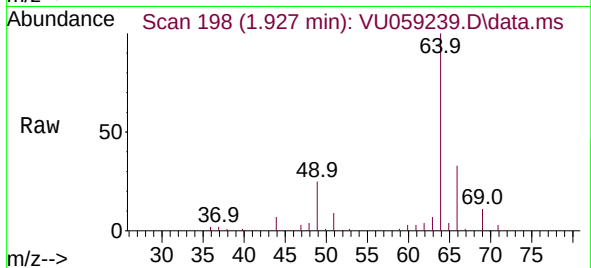




#8
Chloroethane
Concen: 5.136 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.003 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

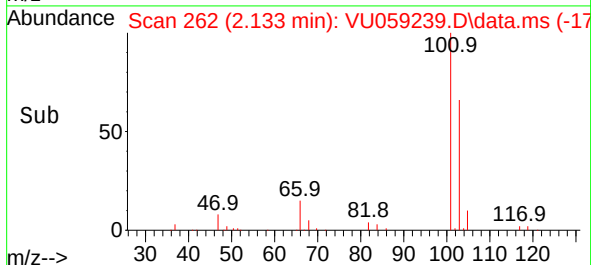
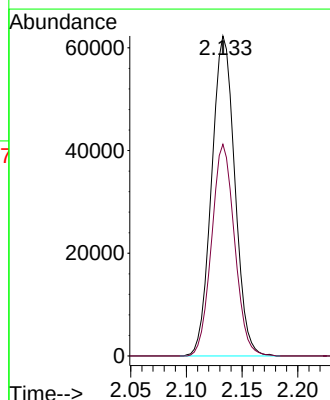
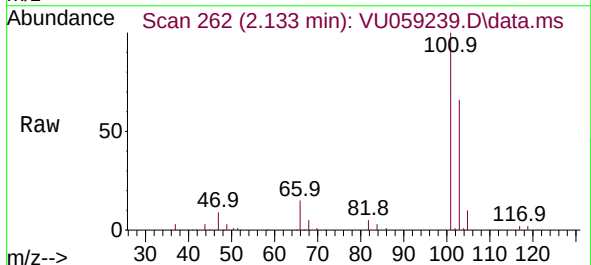
Instrument :
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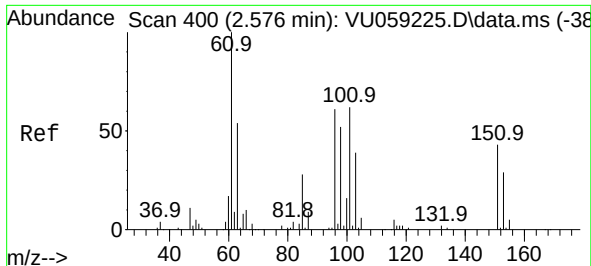
Tgt Ion: 64 Resp: 47960
Ion Ratio Lower Upper
64 100
66 33.0 23.2 43.2



#9
Trichlorofluoromethane
Concen: 4.787 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion:101 Resp: 90220
Ion Ratio Lower Upper
101 100
103 65.5 52.6 79.0

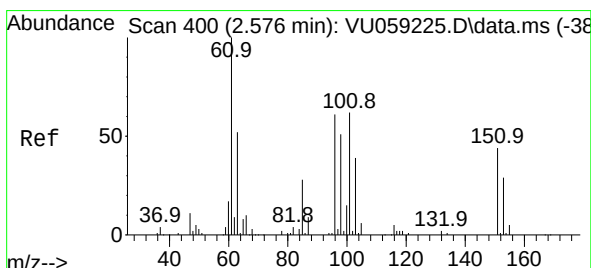
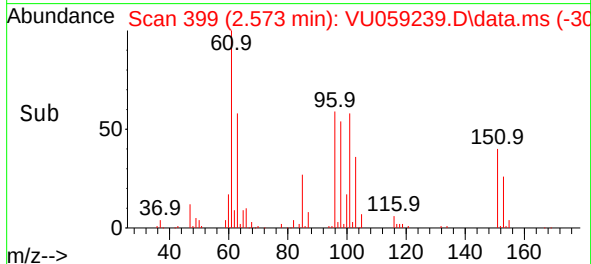
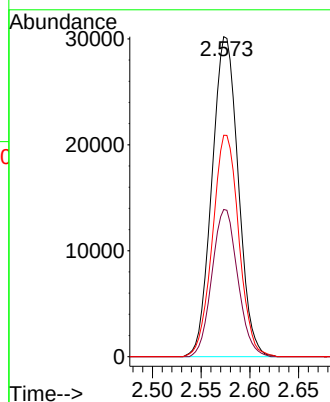
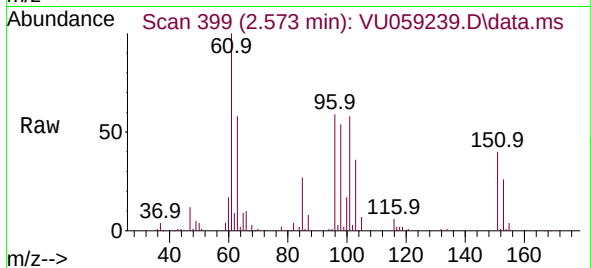




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.970 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

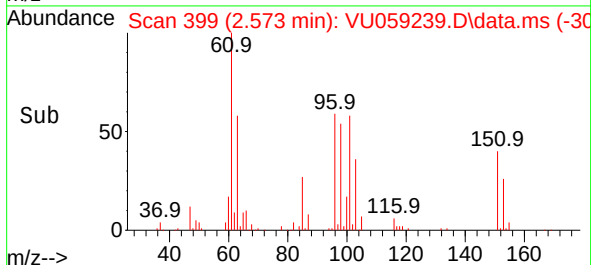
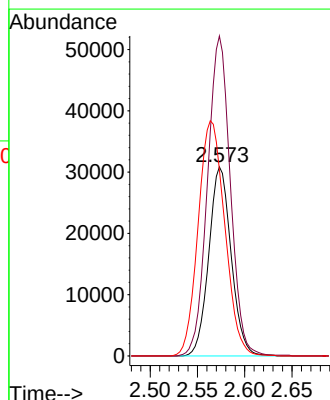
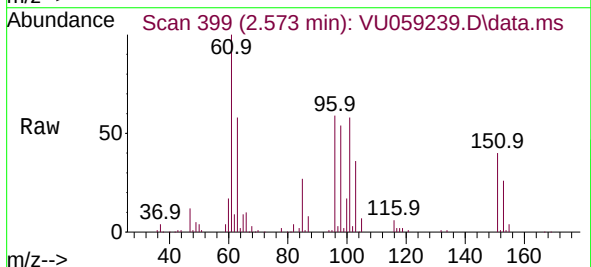
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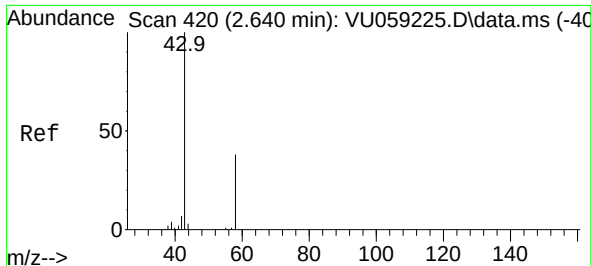
Tgt Ion:101 Resp: 56756
Ion Ratio Lower Upper
101 100
85 45.0 36.2 54.4
151 69.3 55.5 83.3



#12
1,1-Dichloroethene
Concen: 5.061 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion: 96 Resp: 50768
Ion Ratio Lower Upper
96 100
61 169.2 122.9 228.3
63 98.5 80.4 149.4





#13

Acetone

Concen: 46.309 ug/L

RT: 2.621 min Scan# 41

Delta R.T. -0.019 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Instrument :

MSVOA_U

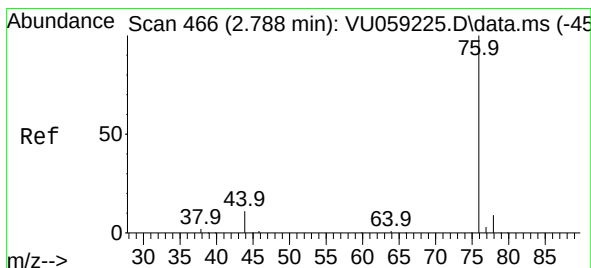
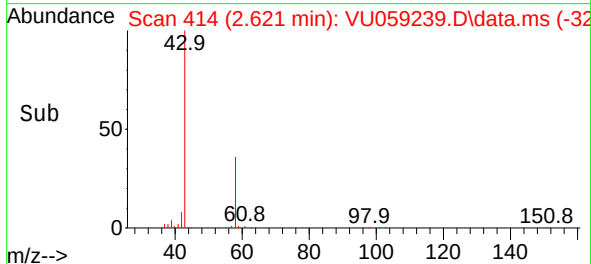
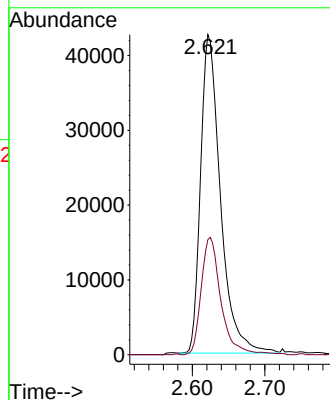
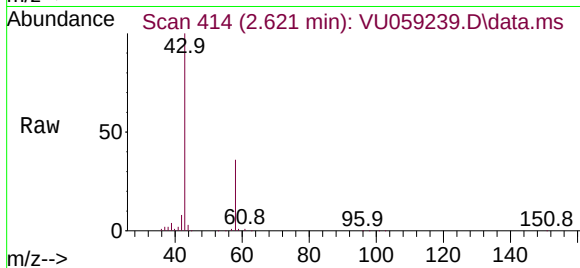
ClientSampleId :

Tgt Ion: 43 Resp: 81159

Ion Ratio Lower Upper

43 100

58 36.7 0.0 68.0



#14

Carbon disulfide

Concen: 4.485 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU059239.D

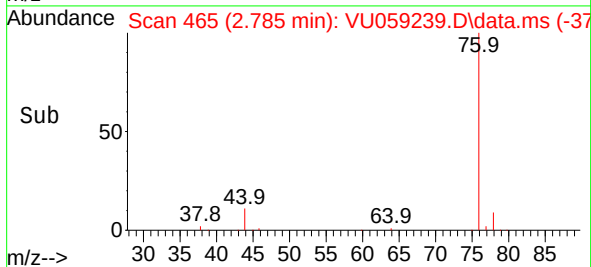
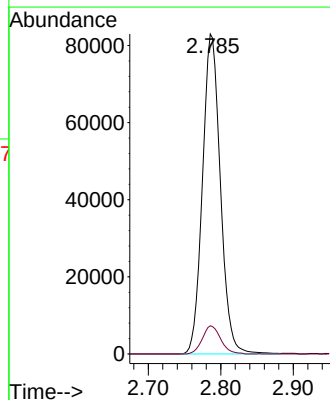
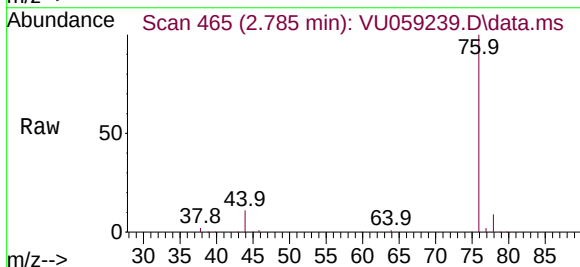
Acq: 13 Jun 2024 16:59

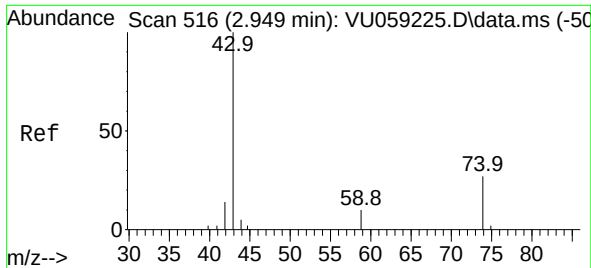
Tgt Ion: 76 Resp: 142547

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

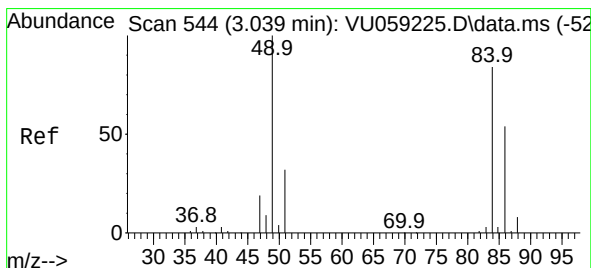
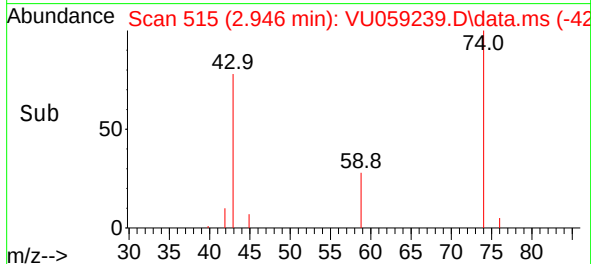
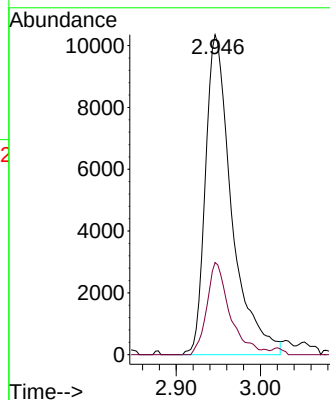
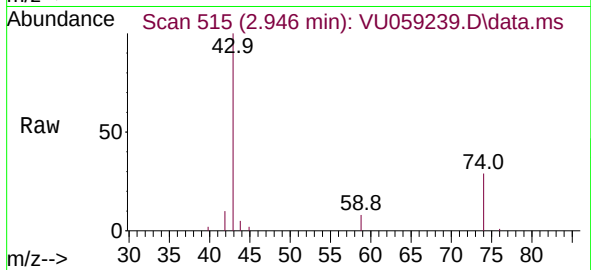




#15
Methyl Acetate
Concen: 5.152 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

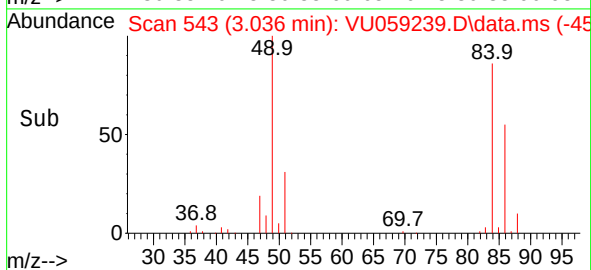
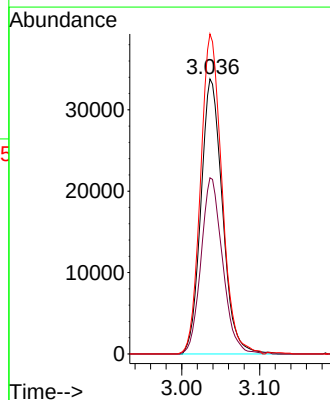
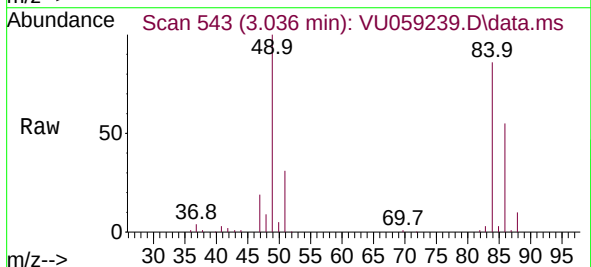
Instrument :
MSVOA_U
ClientSampleId :

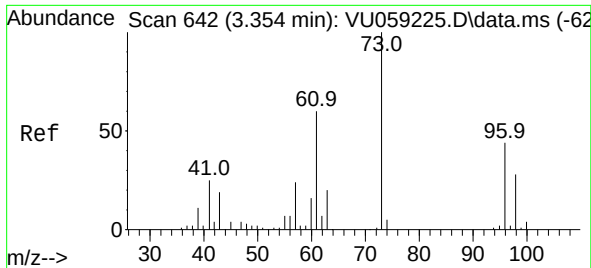
Tgt Ion: 43 Resp: 22443
Ion Ratio Lower Upper
43 100
74 25.5 19.2 28.8



#16
Methylene chloride
Concen: 4.768 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion: 84 Resp: 64889
Ion Ratio Lower Upper
84 100
86 64.1 42.1 78.1
49 116.4 80.6 149.8

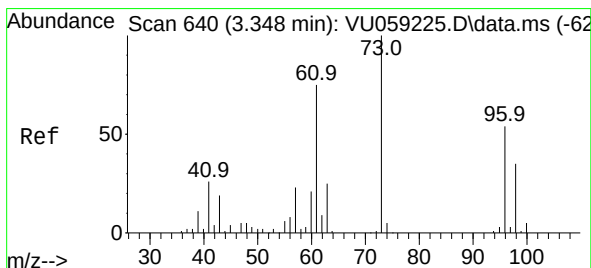
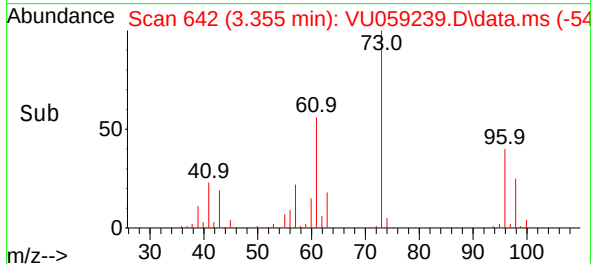
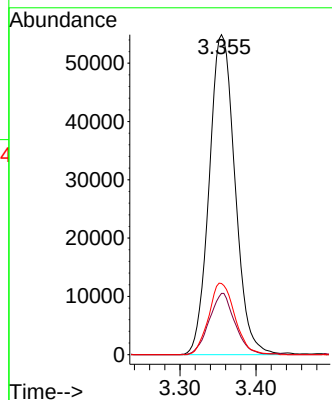
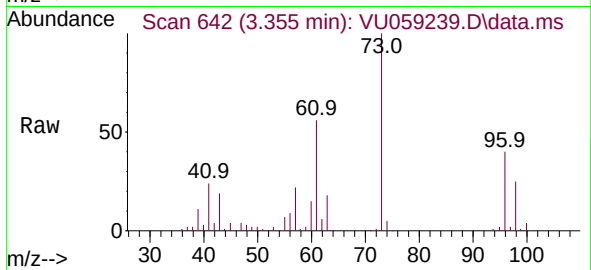




#17
Methyl tert-butyl Ether
Concen: 4.959 ug/L
RT: 3.355 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

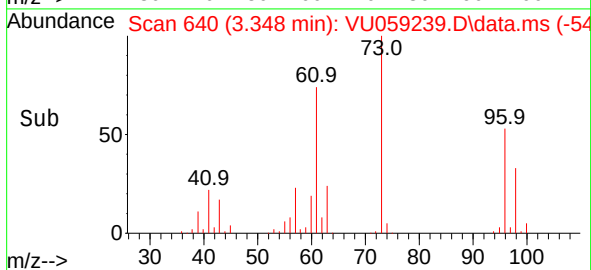
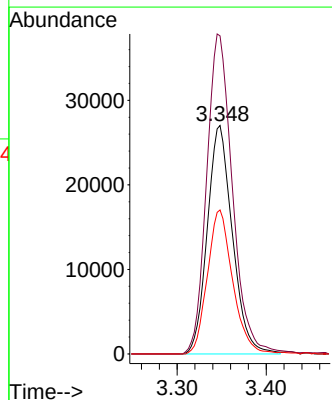
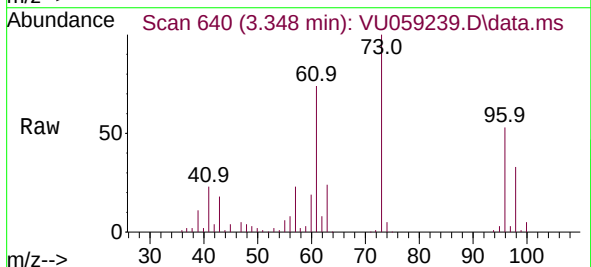
Instrument :
MSVOA_U
ClientSampleId :

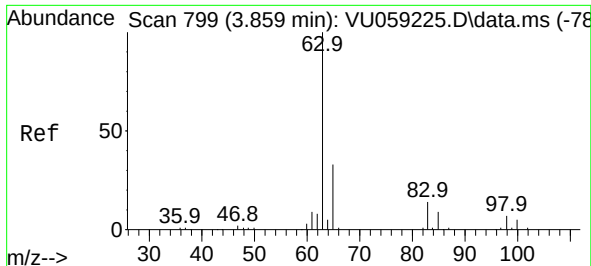
Tgt Ion: 73 Resp: 129312
Ion Ratio Lower Upper
73 100
43 19.1 14.9 22.3
57 22.7 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 5.014 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion: 96 Resp: 52955
Ion Ratio Lower Upper
96 100
61 139.2 101.8 189.0
98 63.1 43.3 80.5

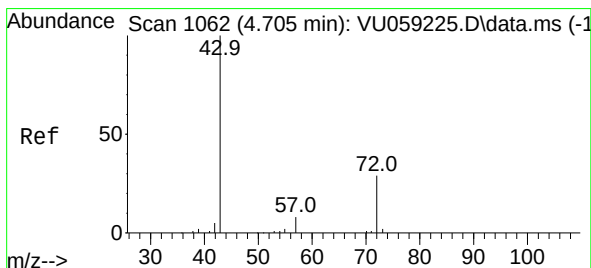
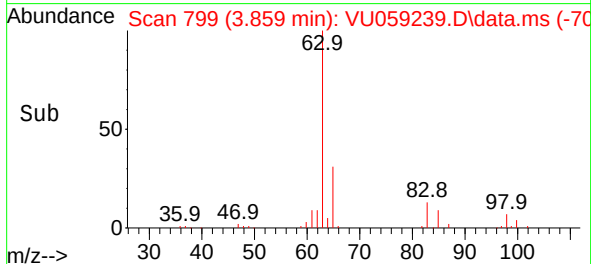
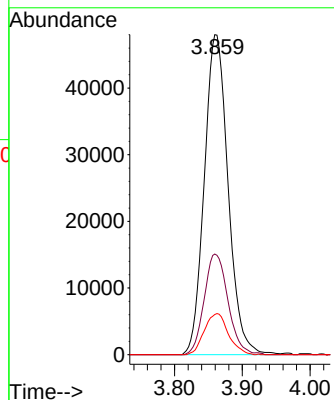
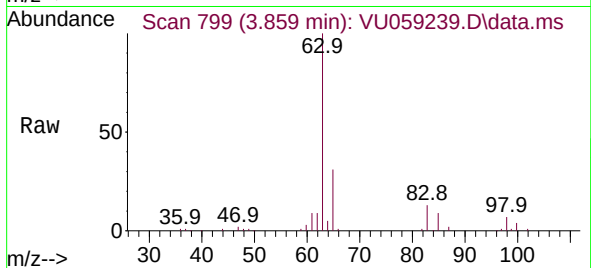




#19
1,1-Dichloroethane
Concen: 5.303 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

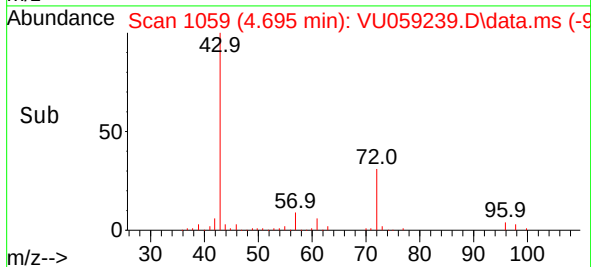
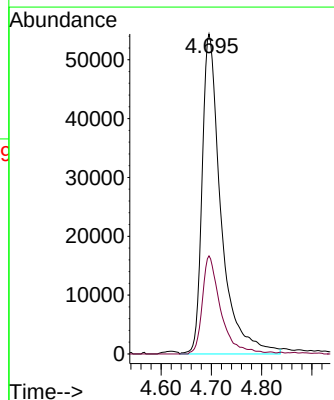
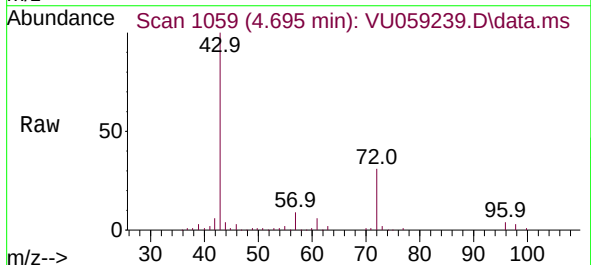
Instrument :
MSVOA_U
ClientSampleId :

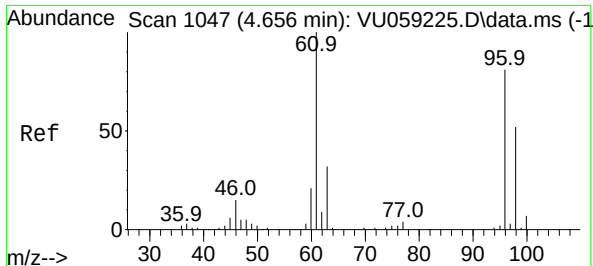
Tgt Ion:	63	Resp:	117078
Ion	Ratio	Lower	Upper
63	100		
65	31.4	21.8	40.6
83	12.5	9.9	18.5



#21
2-Butanone
Concen: 50.529 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. -0.009 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion:	43	Resp:	142030
Ion	Ratio	Lower	Upper
43	100		
72	29.7	13.8	41.4

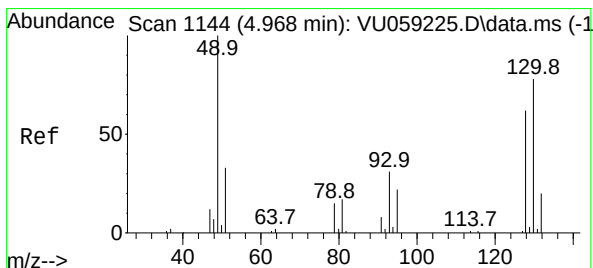
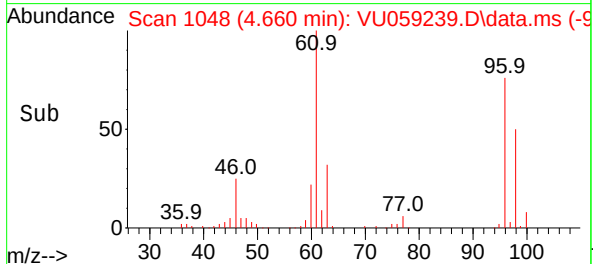
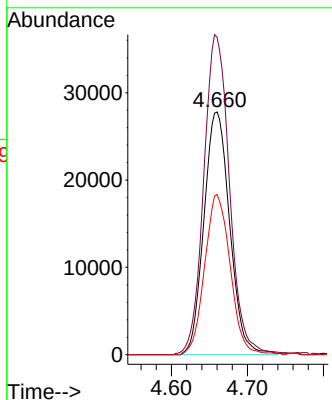
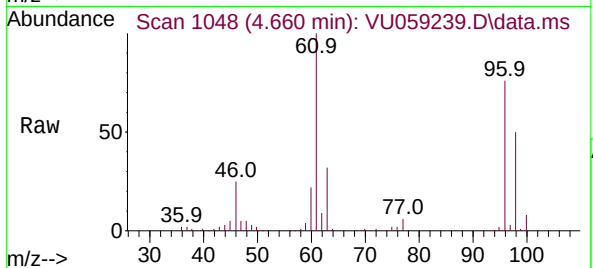




#22
cis-1,2-Dichloroethene
Concen: 5.395 ug/L
RT: 4.660 min Scan# 1047
Delta R.T. 0.003 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

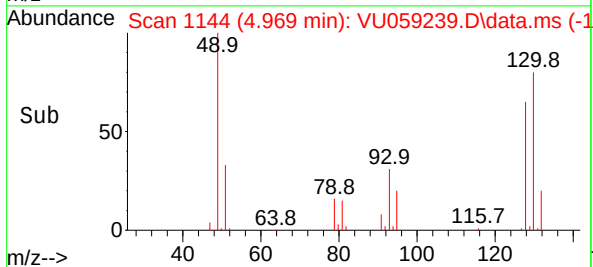
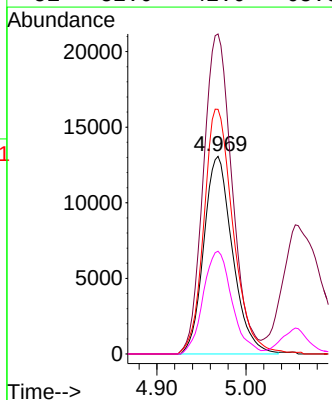
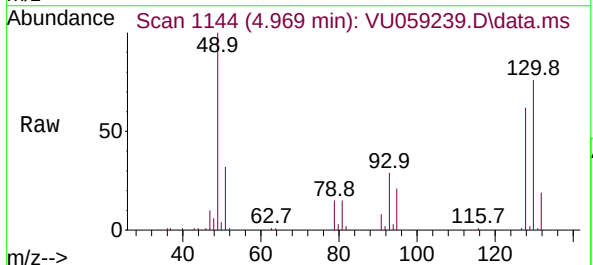
Instrument :
MSVOA_U
ClientSampleId :

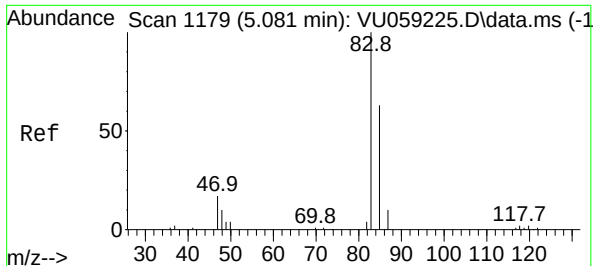
Tgt Ion: 96 Resp: 65597
Ion Ratio Lower Upper
96 100
61 130.8 87.4 162.2
98 66.0 42.3 78.5



#23
Bromochloromethane
Concen: 5.456 ug/L
RT: 4.969 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion:128 Resp: 29299
Ion Ratio Lower Upper
128 100
49 168.4 117.0 217.4
130 123.8 89.6 166.4
51 52.0 42.0 63.0





#25

Chloroform

Concen: 5.213 ug/L

RT: 5.078 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Instrument :

MSVOA_U

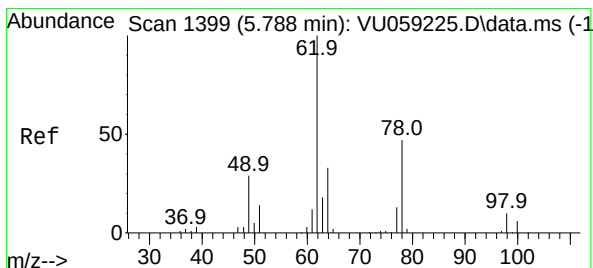
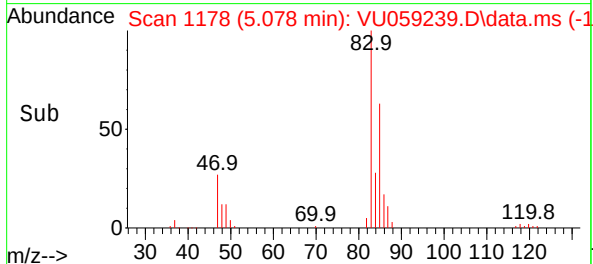
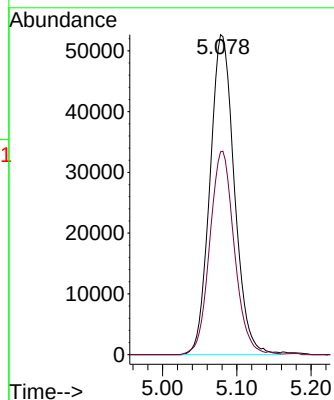
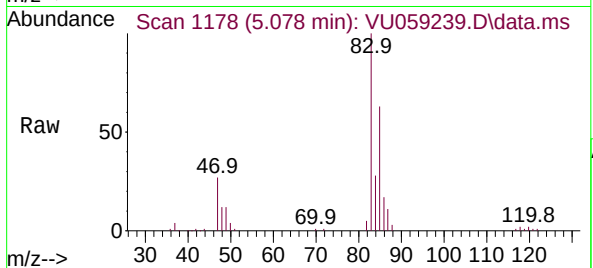
ClientSampleId :

Tgt Ion: 83 Resp: 120260

Ion Ratio Lower Upper

83 100

85 63.4 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.186 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU059239.D

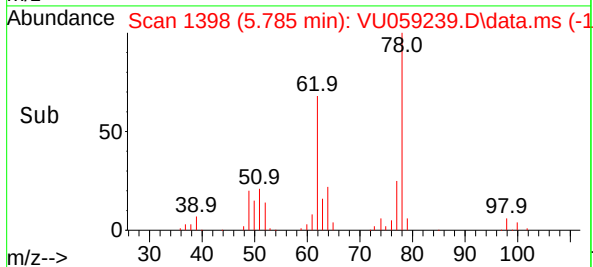
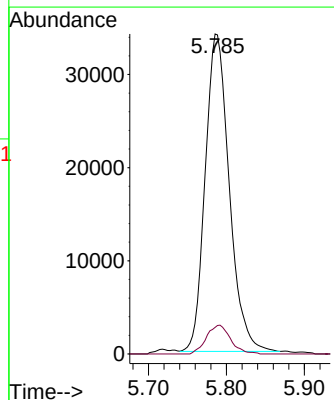
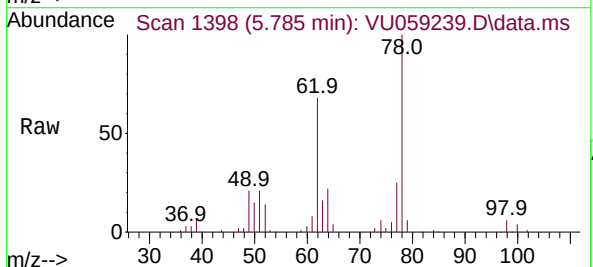
Acq: 13 Jun 2024 16:59

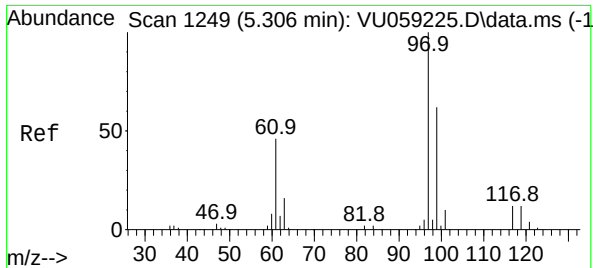
Tgt Ion: 62 Resp: 73091

Ion Ratio Lower Upper

62 100

98 8.3 7.5 11.3

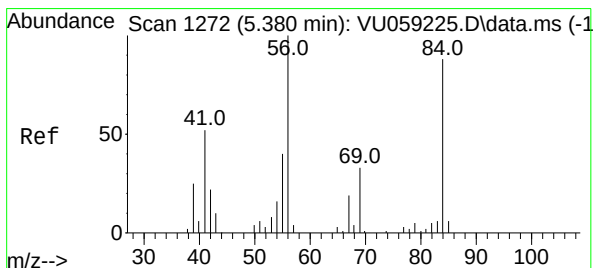
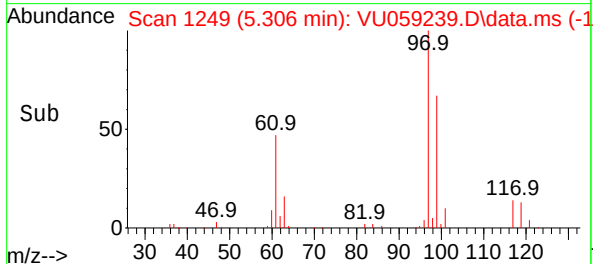
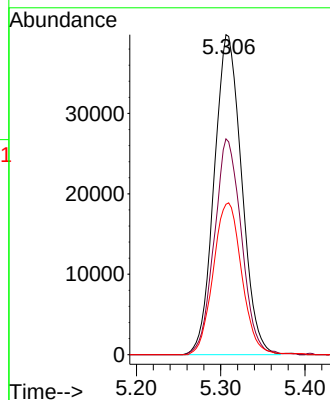
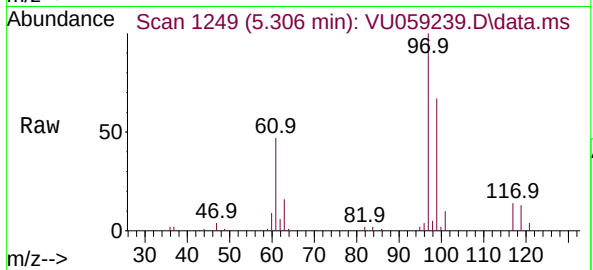




#29
1,1,1-Trichloroethane
Concen: 4.986 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

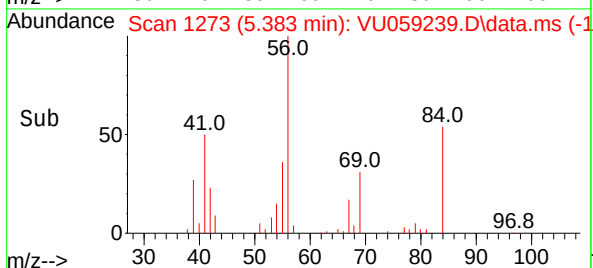
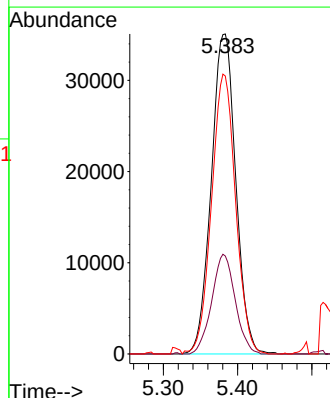
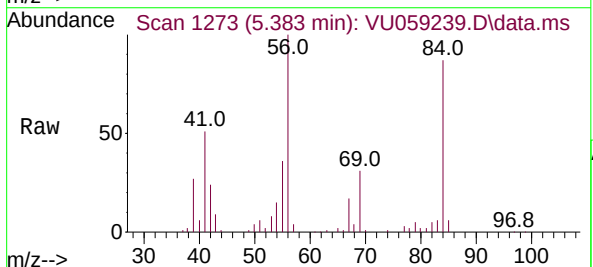
Instrument :
MSVOA_U
ClientSampleId :

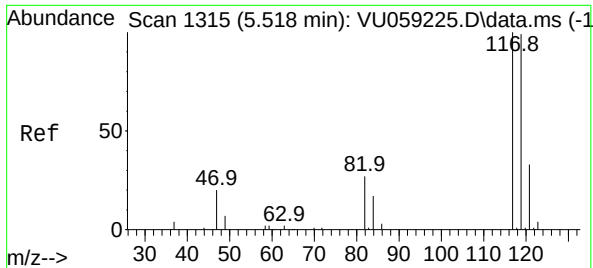
Tgt Ion:	97	Resp:	90059
Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.8	77.6
61	49.2	37.4	56.2



#30
Cyclohexane
Concen: 4.715 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.003 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion:	56	Resp:	80529
Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.8	37.2
84	86.0	69.8	104.8

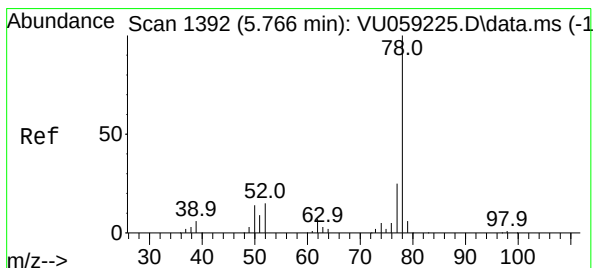
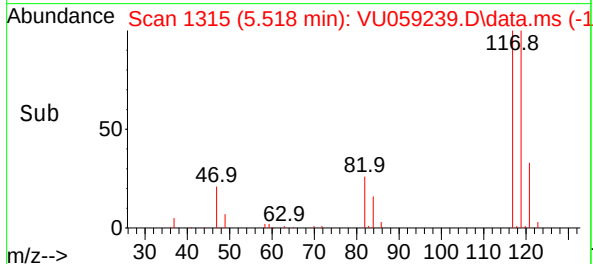
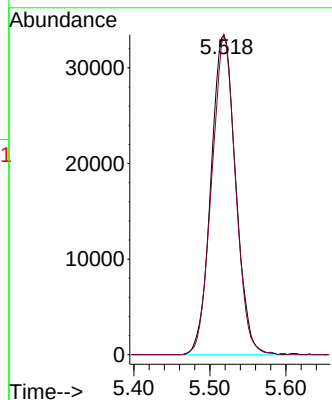
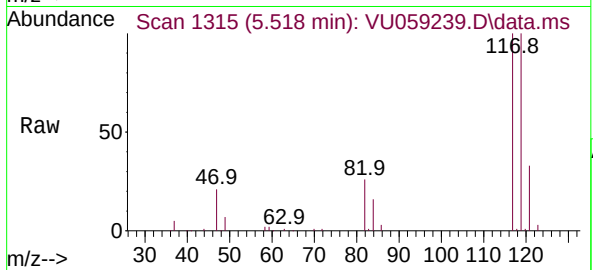




#31
Carbon tetrachloride
Concen: 5.010 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

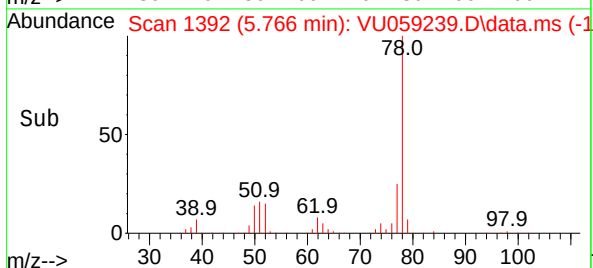
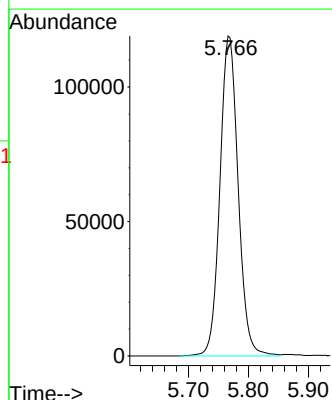
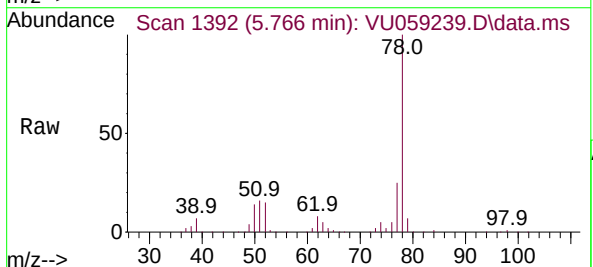
Instrument :
MSVOA_U
ClientSampleId :

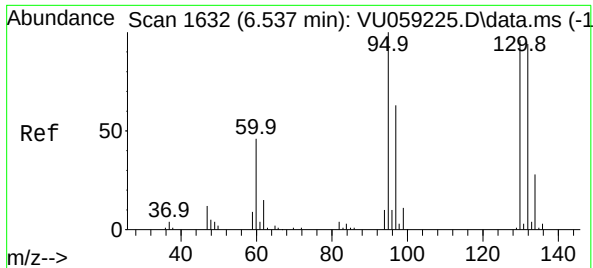
Tgt Ion:117 Resp: 75487
Ion Ratio Lower Upper
117 100
119 96.2 77.5 116.3



#33
Benzene
Concen: 5.277 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion: 78 Resp: 250563

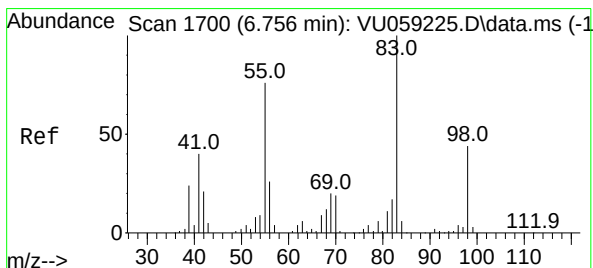
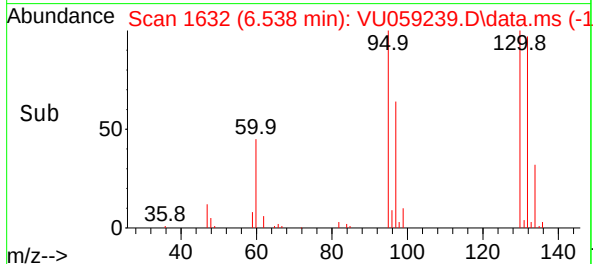
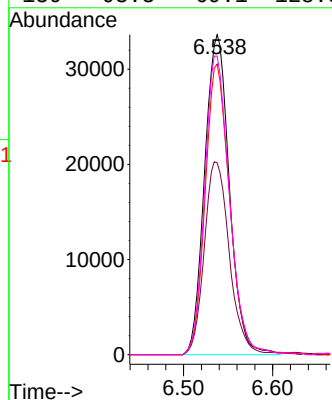
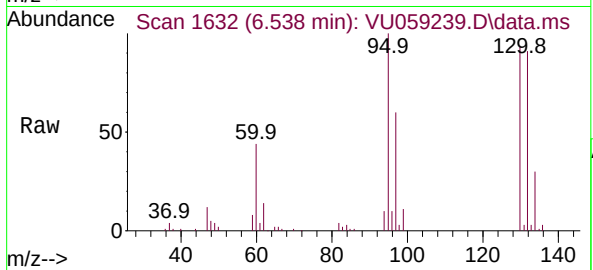




#34
Trichloroethene
Concen: 5.168 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

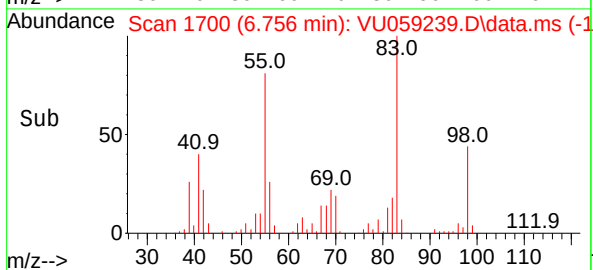
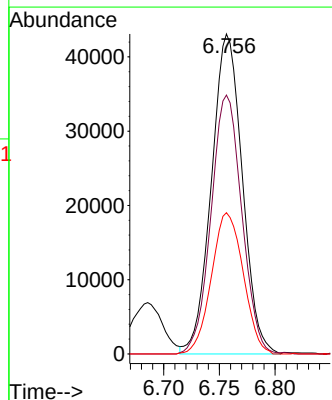
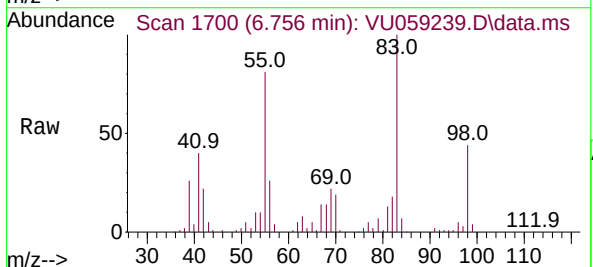
Instrument :
MSVOA_U
ClientSampleId :

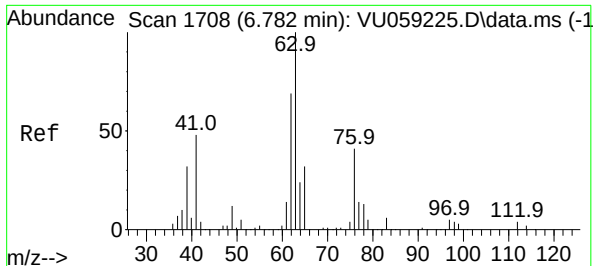
Tgt Ion: 95 Resp: 64923
Ion Ratio Lower Upper
95 100
97 59.9 45.3 84.1
132 90.8 64.0 119.0
130 93.3 69.1 128.3



#35
Methylcyclohexane
Concen: 4.635 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion: 83 Resp: 83061
Ion Ratio Lower Upper
83 100
55 80.6 62.7 94.1
98 45.4 35.4 53.0

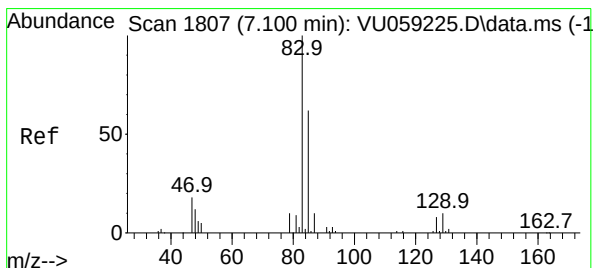
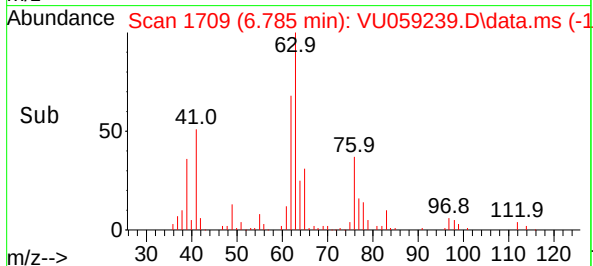
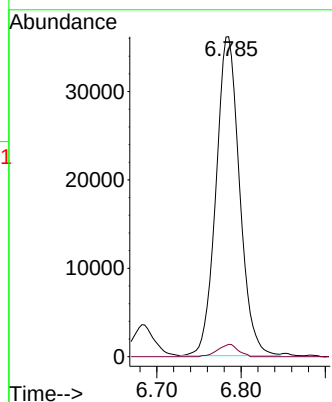
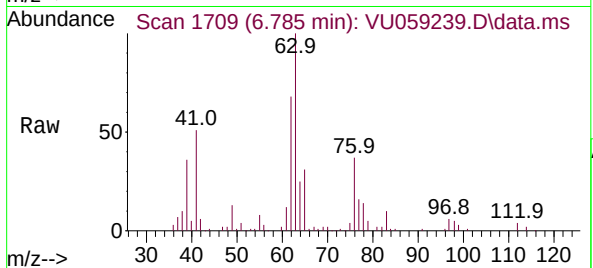




#37
1,2-Dichloropropane
Concen: 5.193 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

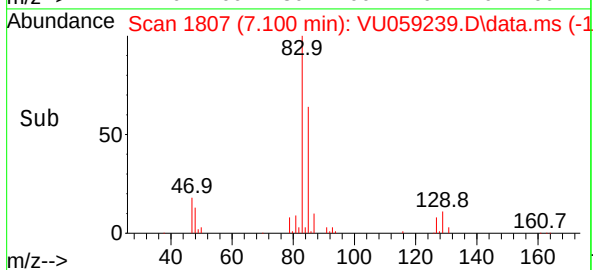
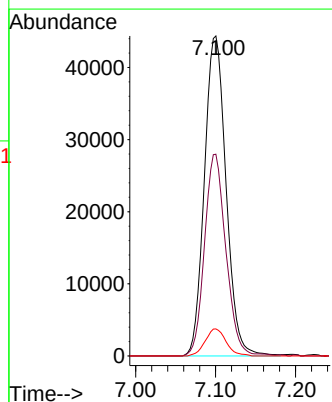
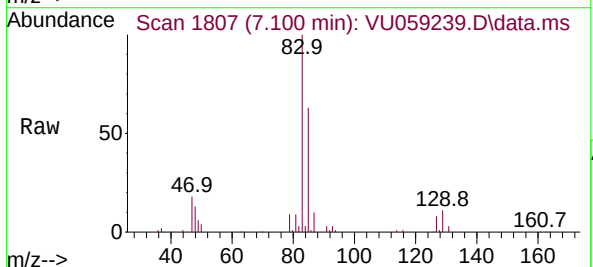
Instrument :
MSVOA_U
ClientSampleId :

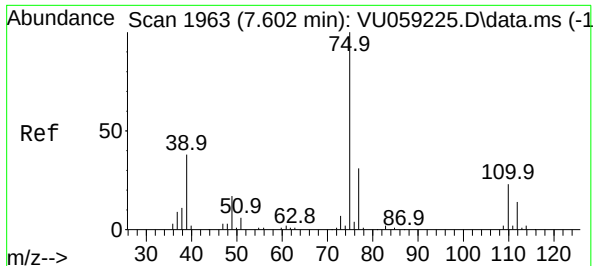
Tgt Ion: 63 Resp: 70002
Ion Ratio Lower Upper
63 100
112 3.3 2.6 3.8



#38
Bromodichloromethane
Concen: 5.189 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion: 83 Resp: 83837
Ion Ratio Lower Upper
83 100
85 63.1 42.7 79.3
127 8.4 6.1 9.1

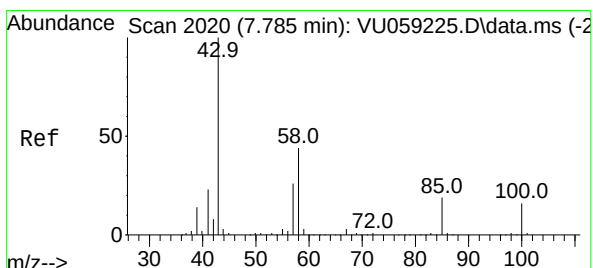
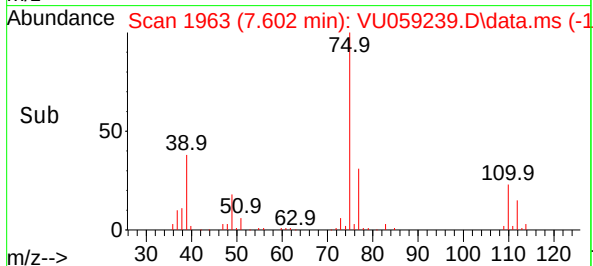
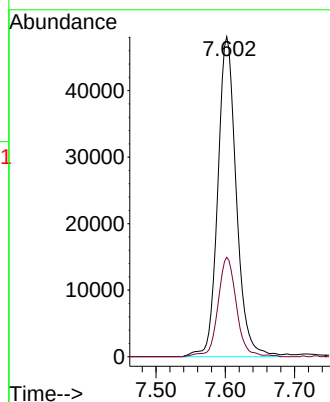
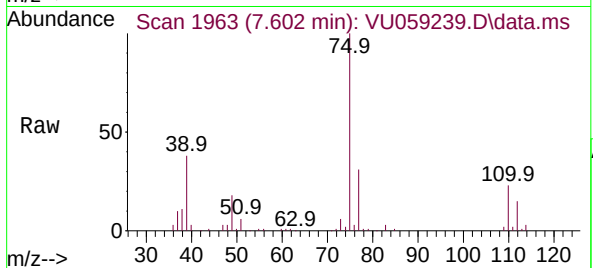




#39
 cis-1,3-Dichloropropene
 Concen: 4.873 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU059239.D
 Acq: 13 Jun 2024 16:59

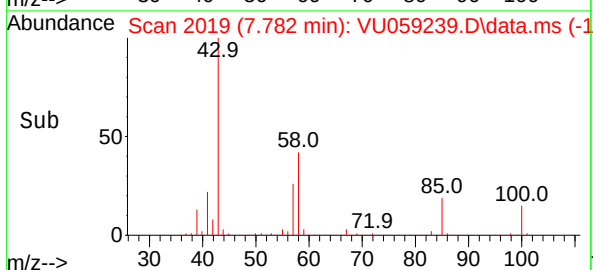
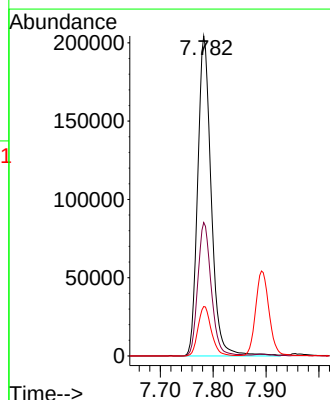
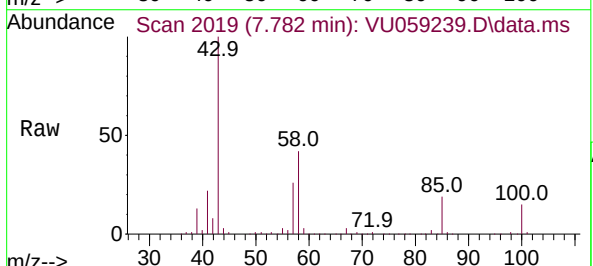
Instrument :
 MSVOA_U
 ClientSampleId :

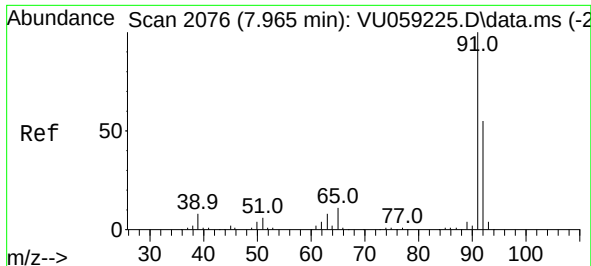
Tgt Ion: 75 Resp: 89524
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 52.105 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.003 min
 Lab File: VU059239.D
 Acq: 13 Jun 2024 16:59

Tgt Ion: 43 Resp: 363009
 Ion Ratio Lower Upper
 43 100
 58 41.4 34.0 51.0
 100 15.3 12.1 18.1





#42

Toluene

Concen: 5.350 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Instrument :

MSVOA_U

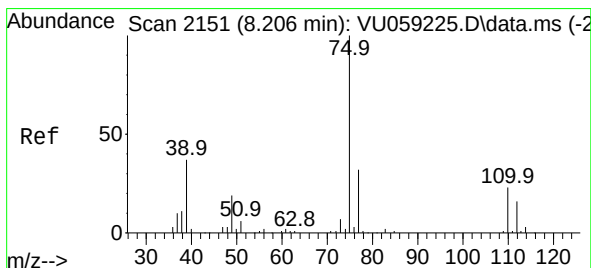
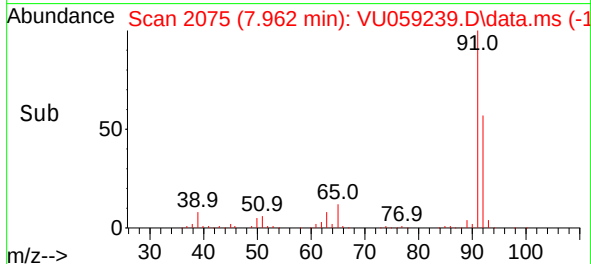
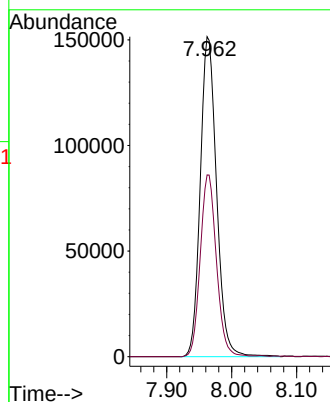
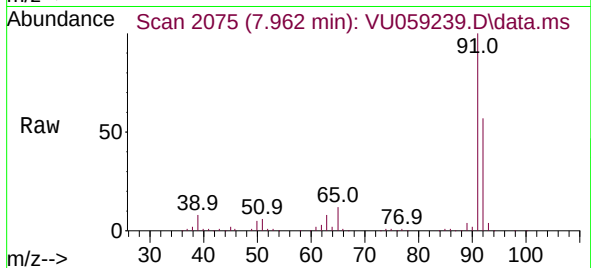
ClientSampleId :

Tgt Ion: 91 Resp: 264962

Ion Ratio Lower Upper

91 100

92 56.8 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 4.707 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU059239.D

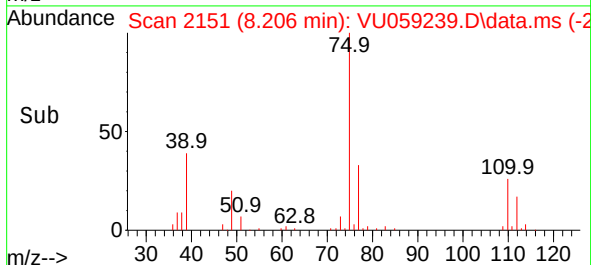
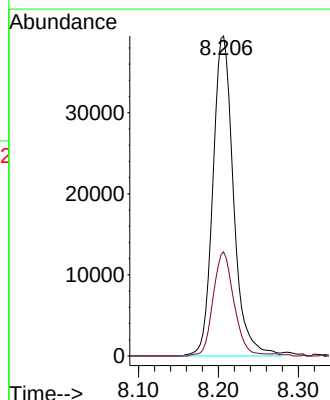
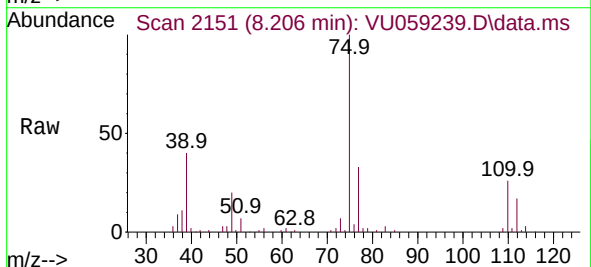
Acq: 13 Jun 2024 16:59

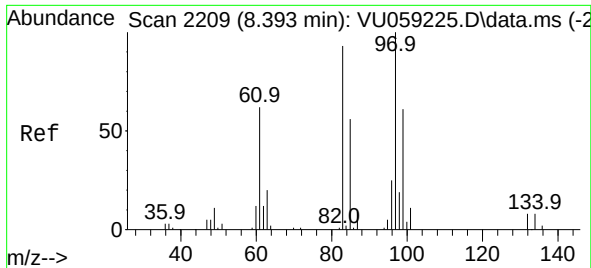
Tgt Ion: 75 Resp: 70560

Ion Ratio Lower Upper

75 100

77 32.5 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 5.324 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 50484

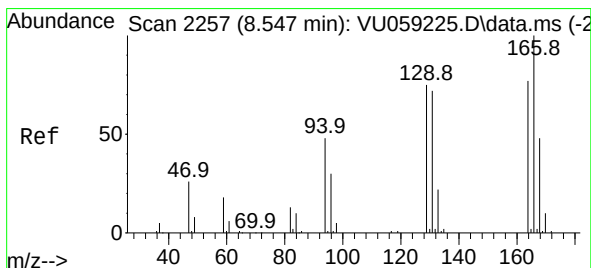
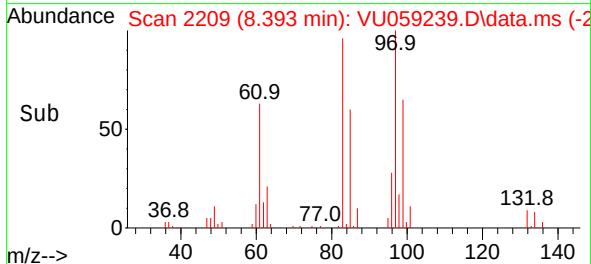
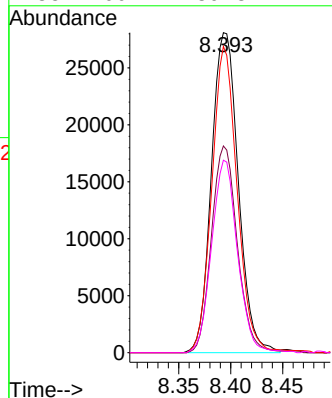
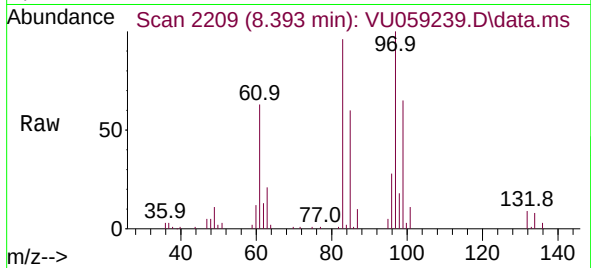
Ion Ratio Lower Upper

97 100

99 64.6 43.3 80.3

83 95.7 62.3 115.7

85 60.2 39.8 74.0



#47

Tetrachloroethene

Concen: 5.055 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Tgt Ion:164 Resp: 45235

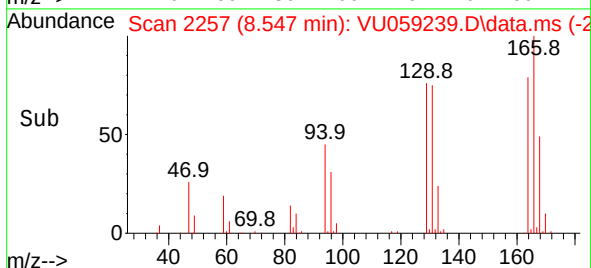
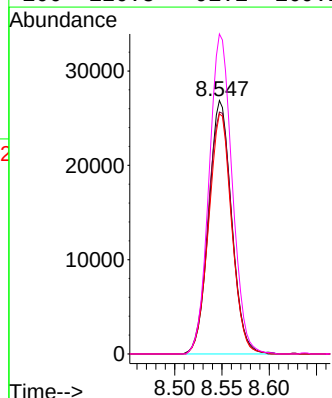
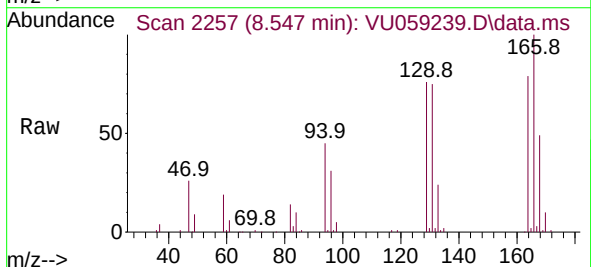
Ion Ratio Lower Upper

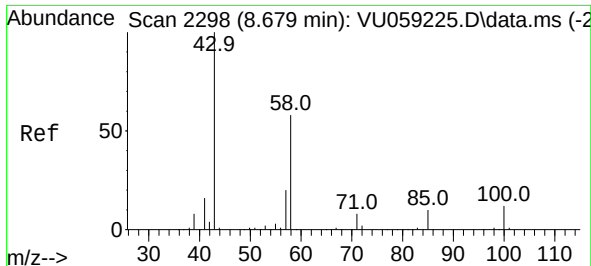
164 100

129 95.4 70.8 131.4

131 94.7 64.8 120.3

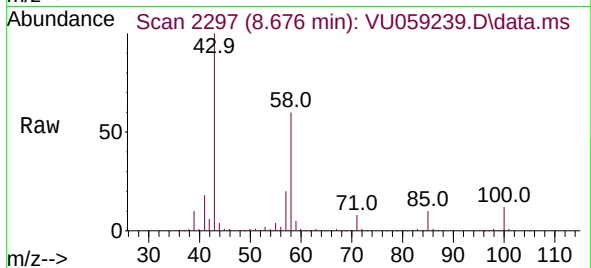
166 126.3 91.1 169.1



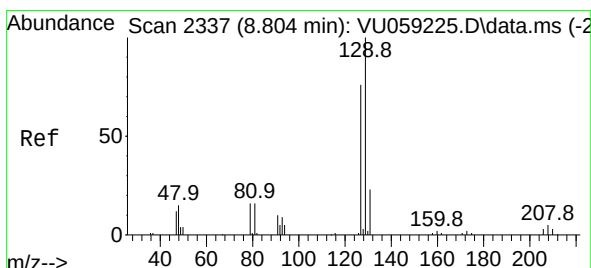
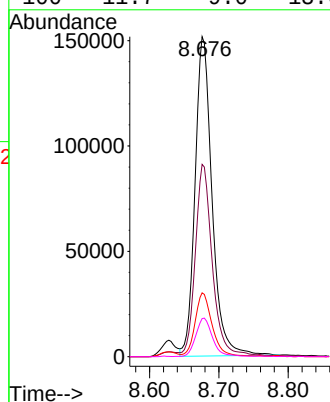
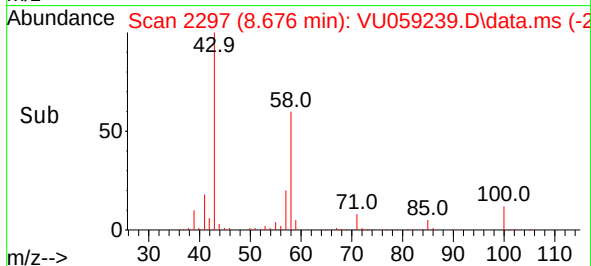


#48
2-Hexanone
Concen: 51.736 ug/L
RT: 8.676 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Instrument :
MSVOA_U
ClientSampleId :

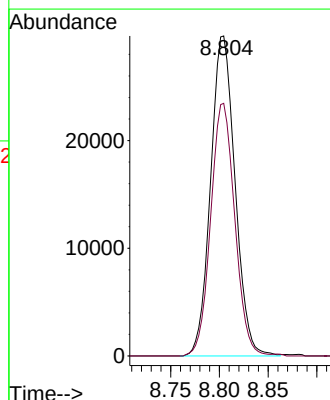
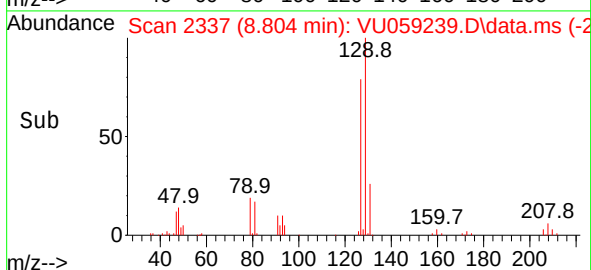
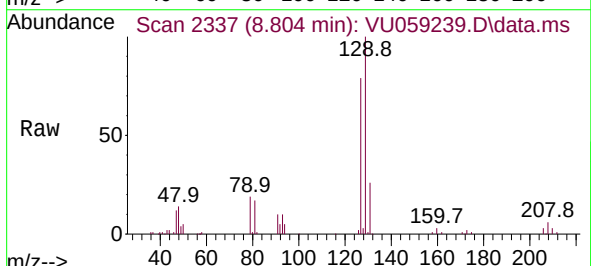


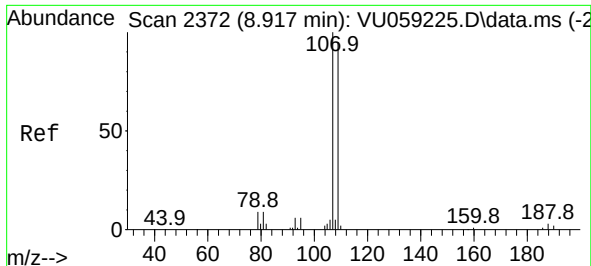
Tgt Ion: 43 Resp: 259750
Ion Ratio Lower Upper
43 100
58 59.6 46.1 69.1
57 19.7 15.5 23.3
100 11.7 9.0 13.6



#49
Dibromochloromethane
Concen: 5.185 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion: 129 Resp: 51843
Ion Ratio Lower Upper
129 100
127 79.0 52.5 97.5

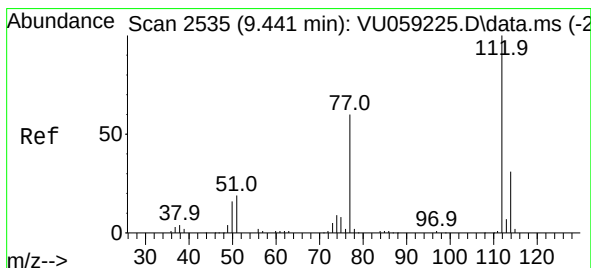
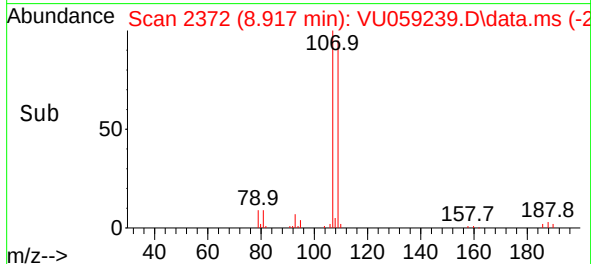
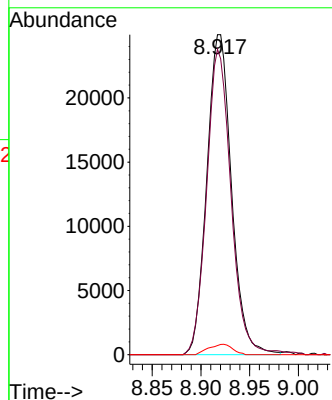
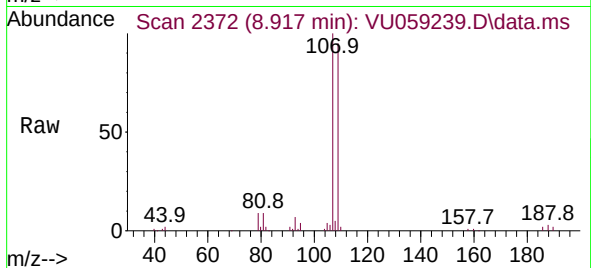




#50
1,2-Dibromoethane
Concen: 5.253 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

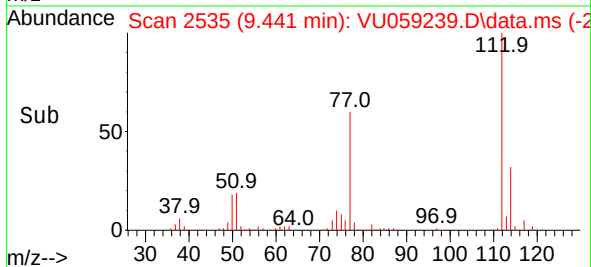
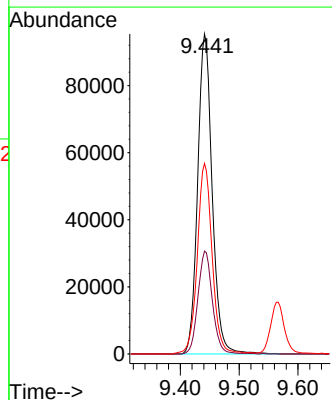
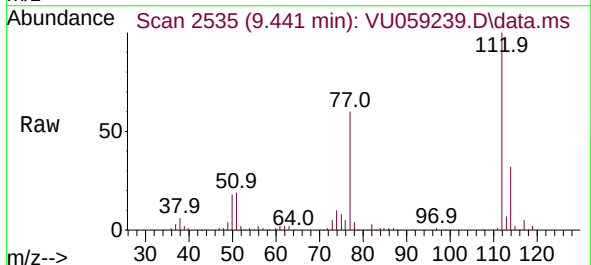
Instrument :
MSVOA_U
ClientSampleId :

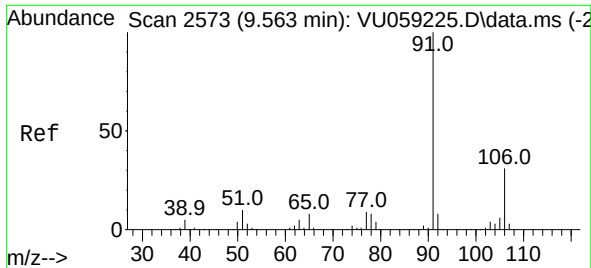
Tgt Ion:107 Resp: 44013
Ion Ratio Lower Upper
107 100
109 95.5 66.9 124.3
188 2.8 2.7 4.1



#51
Chlorobenzene
Concen: 5.183 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion:112 Resp: 163576
Ion Ratio Lower Upper
112 100
114 32.1 22.4 41.6
77 59.5 49.1 73.7

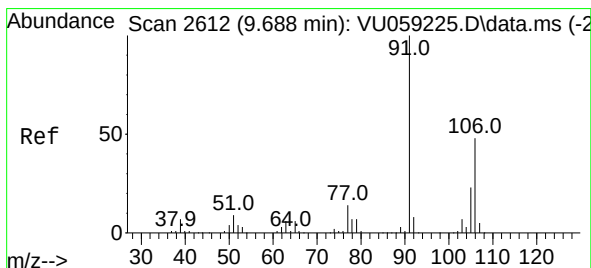
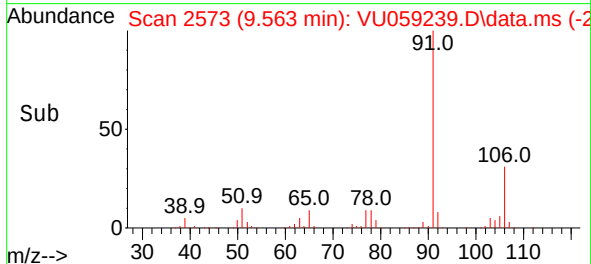
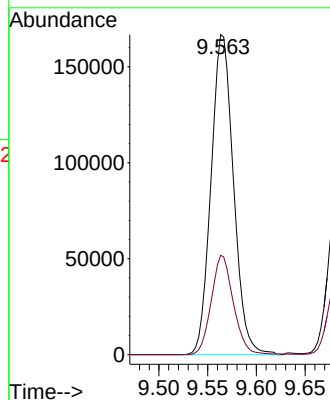
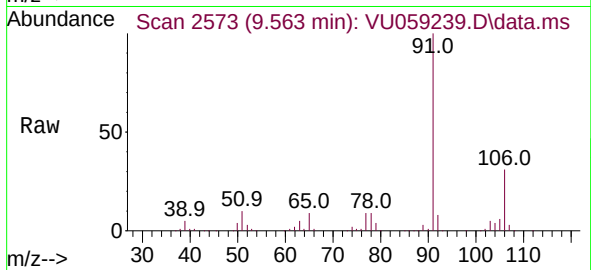




#52
Ethylbenzene
Concen: 5.006 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

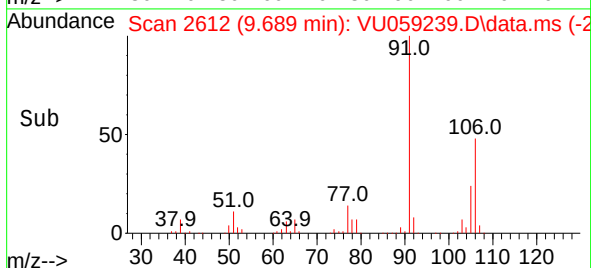
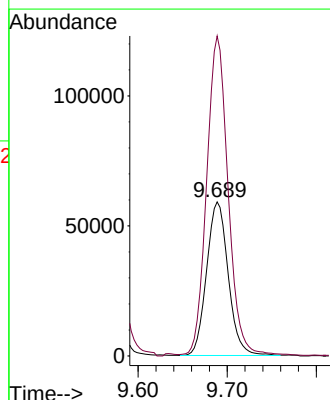
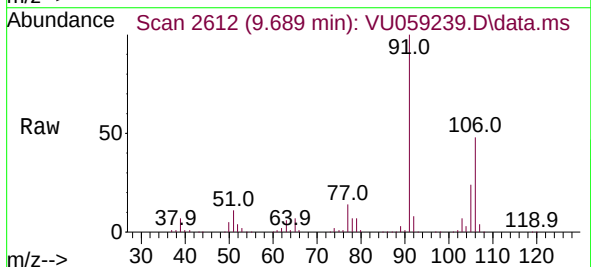
Instrument :
MSVOA_U
ClientSampleId :

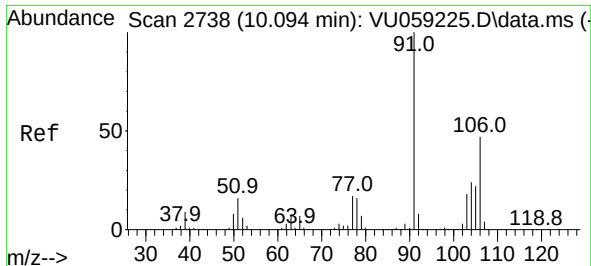
Tgt Ion: 91 Resp: 267672
Ion Ratio Lower Upper
91 100
106 31.0 20.9 38.7



#53
m,p-Xylene
Concen: 5.082 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion:106 Resp: 99454
Ion Ratio Lower Upper
106 100
91 207.7 142.0 263.8

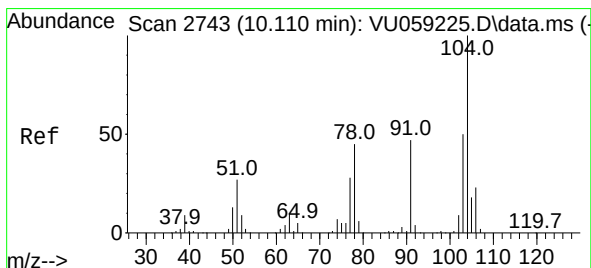
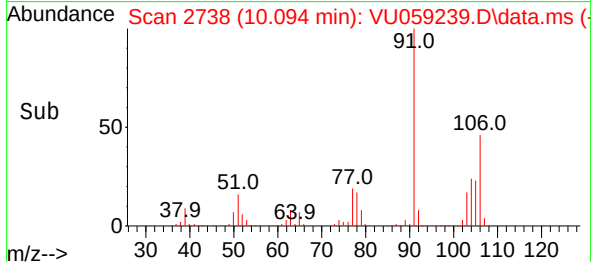
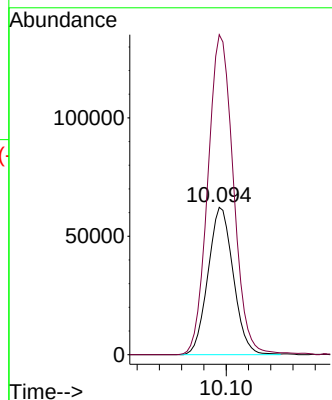
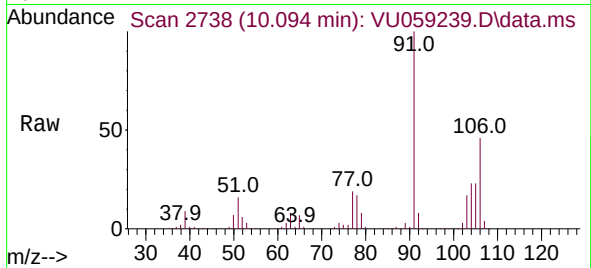




#54
o-Xylene
Concen: 5.118 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

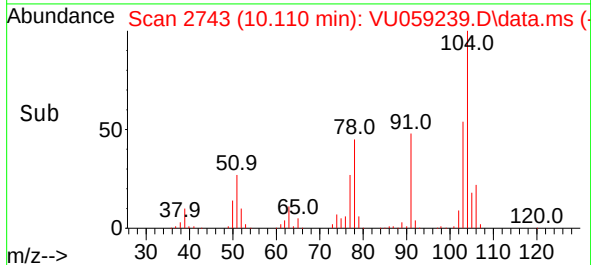
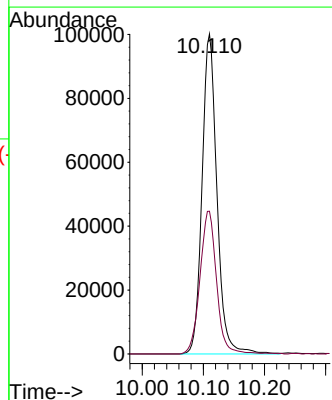
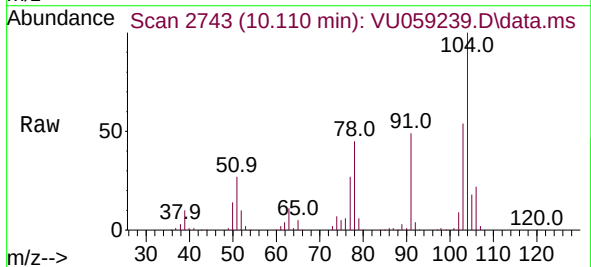
Instrument :
MSVOA_U
ClientSampleId :

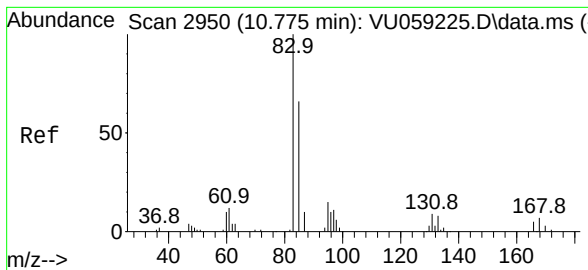
Tgt Ion:106 Resp: 97965
Ion Ratio Lower Upper
106 100
91 217.0 151.6 281.6



#55
Styrene
Concen: 5.261 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion:104 Resp: 169405
Ion Ratio Lower Upper
104 100
78 44.6 32.3 60.1

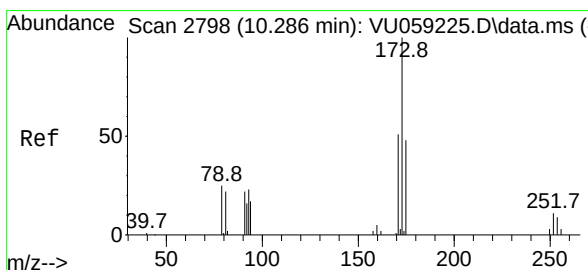
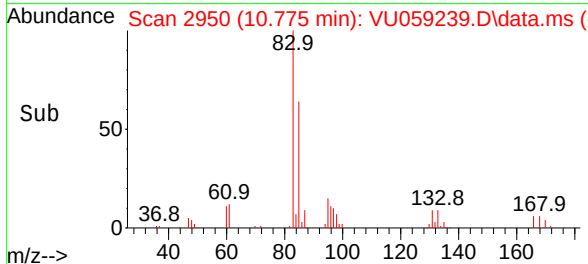
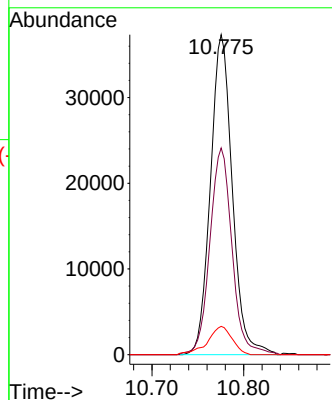
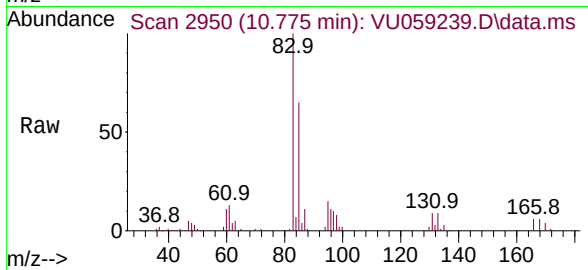




#57
1,1,2,2-Tetrachloroethane
Concen: 5.147 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

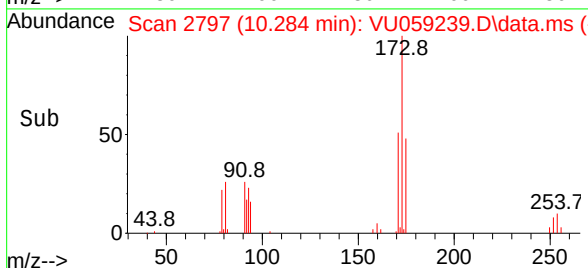
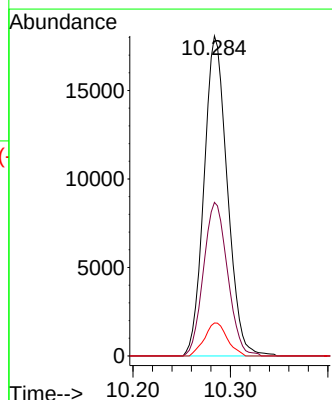
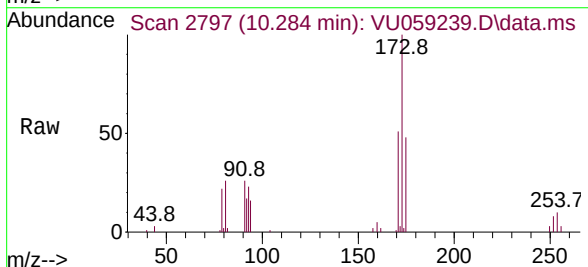
Instrument :
MSVOA_U
ClientSampleId :

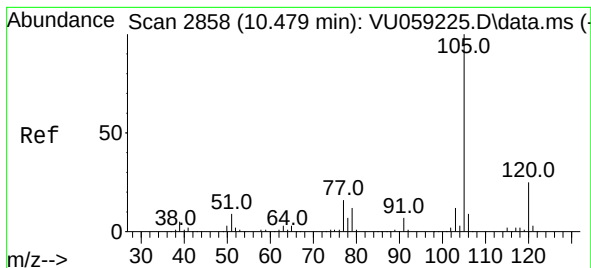
Tgt Ion: 83 Resp: 61872
Ion Ratio Lower Upper
83 100
85 64.6 44.7 82.9
131 8.9 6.9 10.3



#59
Bromoform
Concen: 5.063 ug/L
RT: 10.284 min Scan# 2797
Delta R.T. -0.003 min
Lab File: VU059239.D
Acq: 13 Jun 2024 16:59

Tgt Ion:173 Resp: 29934
Ion Ratio Lower Upper
173 100
175 49.7 39.4 59.2
254 10.1 7.4 11.2





#60

Isopropylbenzene

Concen: 5.050 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Instrument :

MSVOA_U

ClientSampleId :

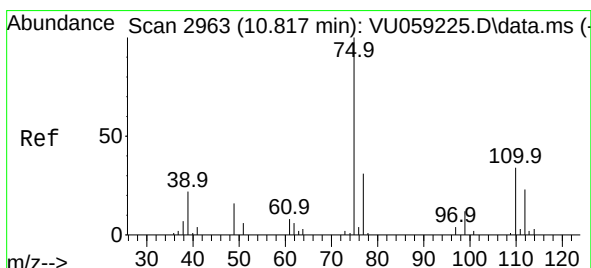
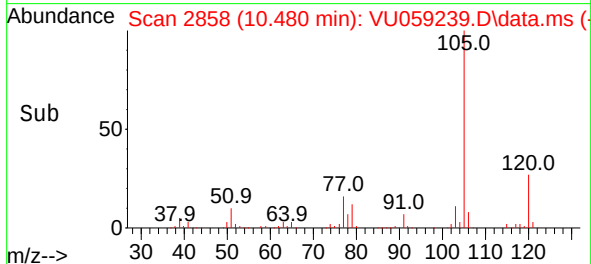
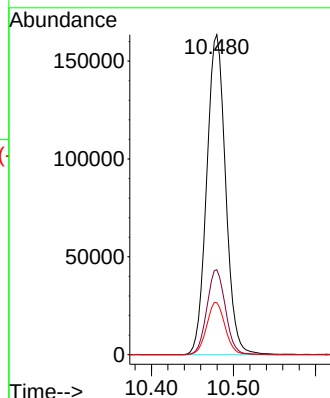
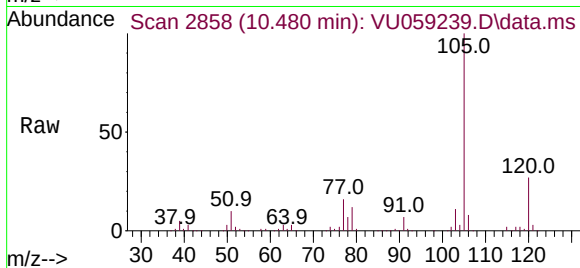
Tgt Ion:105 Resp: 261587

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

77 16.0 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 5.028 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

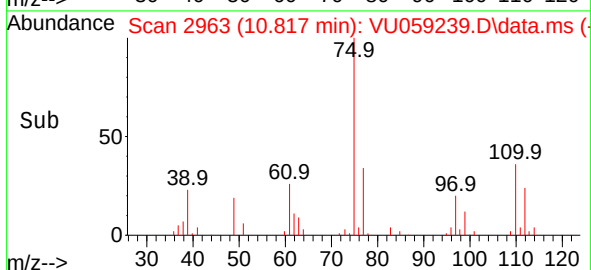
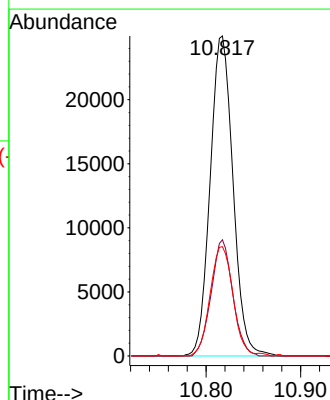
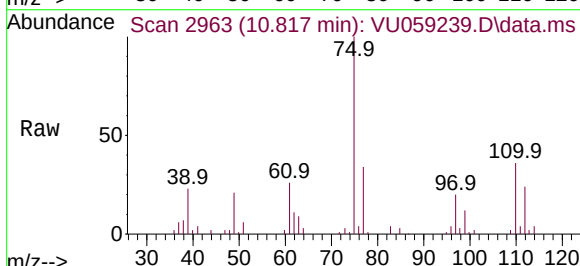
Tgt Ion: 75 Resp: 41898

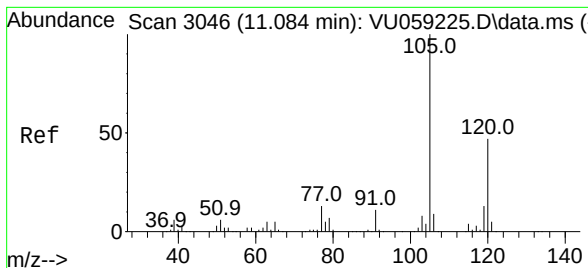
Ion Ratio Lower Upper

75 100

110 34.3 27.1 40.7

77 34.2 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 4.862 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Instrument :

MSVOA_U

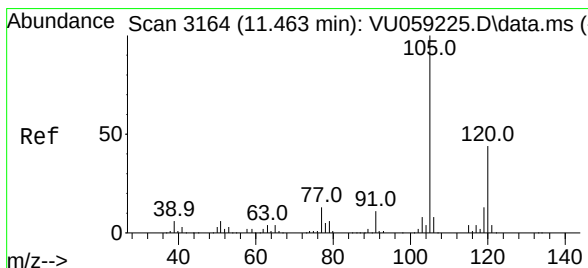
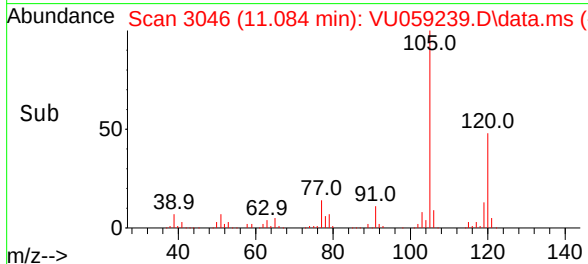
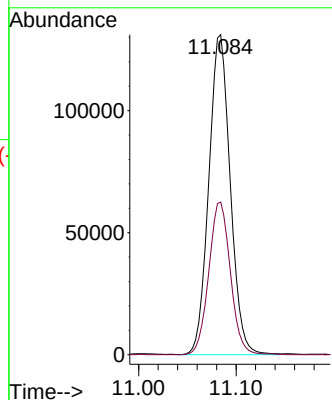
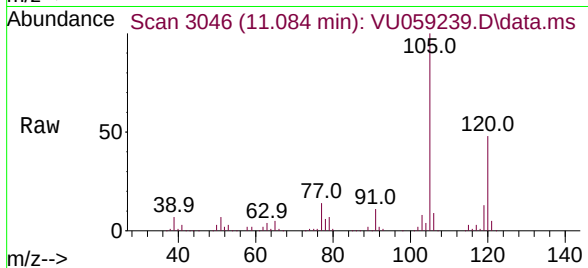
ClientSampleId :

Tgt Ion:105 Resp: 200745

Ion Ratio Lower Upper

105 100

120 48.0 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 4.845 ug/L

RT: 11.464 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU059239.D

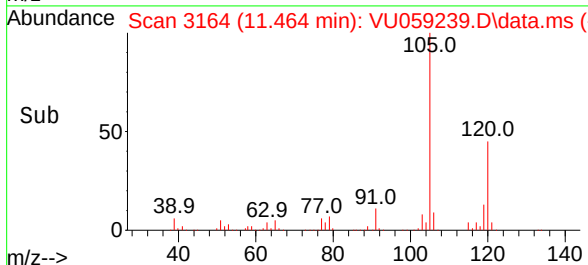
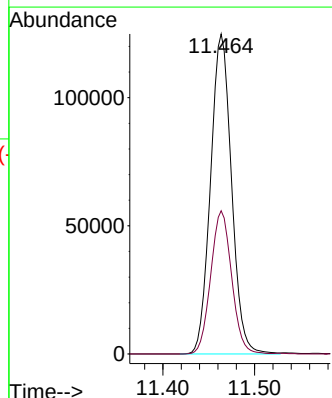
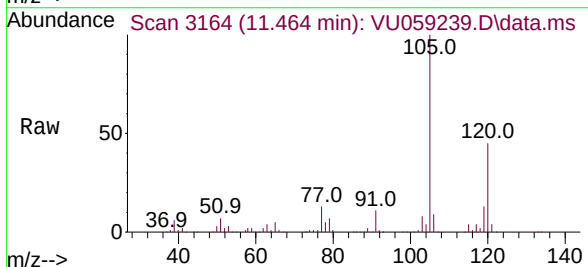
Acq: 13 Jun 2024 16:59

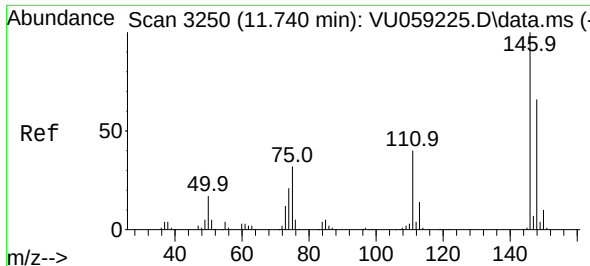
Tgt Ion:105 Resp: 198326

Ion Ratio Lower Upper

105 100

120 44.6 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 4.885 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Instrument :

MSVOA_U

ClientSampleId :

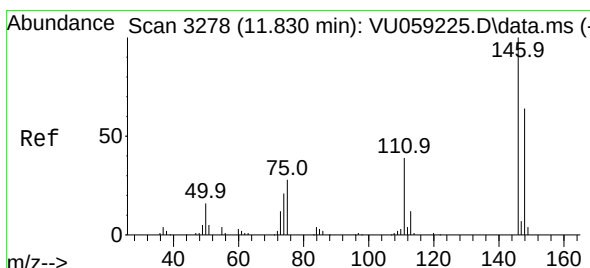
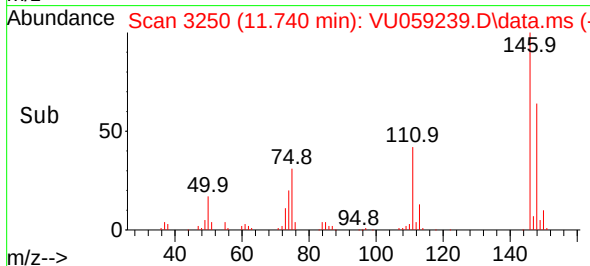
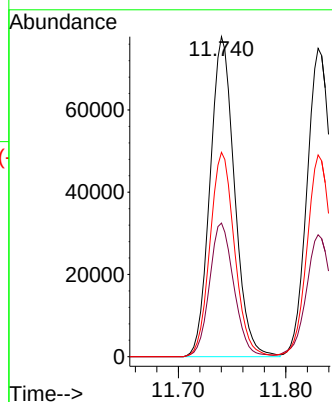
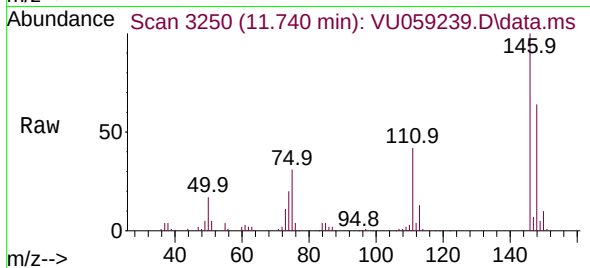
Tgt Ion:146 Resp: 123117

Ion Ratio Lower Upper

146 100

111 41.7 27.4 51.0

148 63.8 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 4.916 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

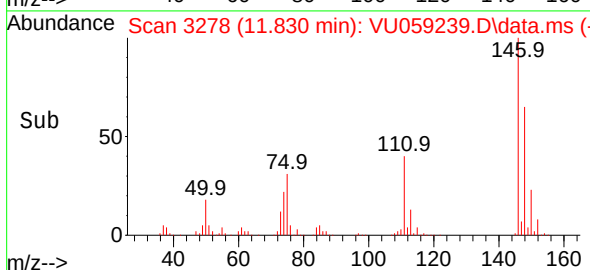
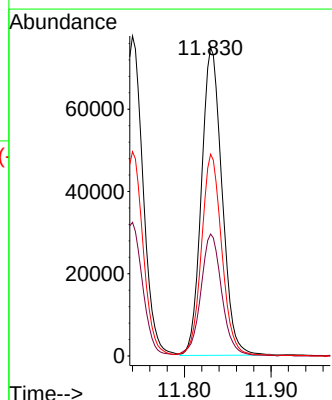
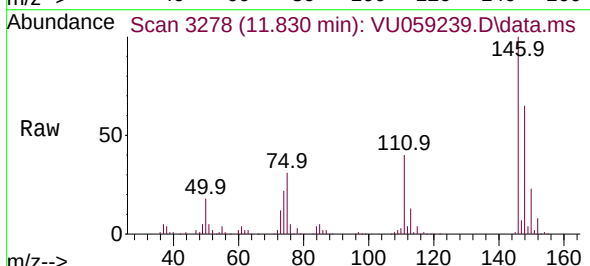
Tgt Ion:146 Resp: 123677

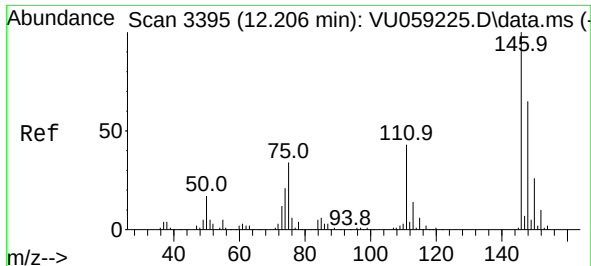
Ion Ratio Lower Upper

146 100

111 39.5 26.9 50.1

148 65.4 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 5.015 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Instrument :

MSVOA_U

ClientSampleId :

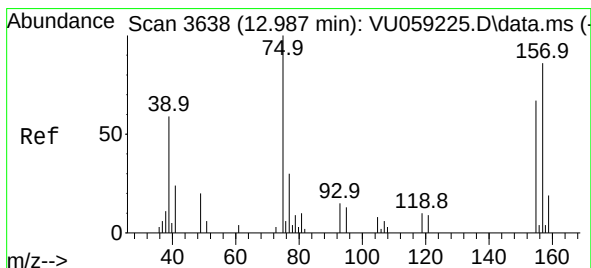
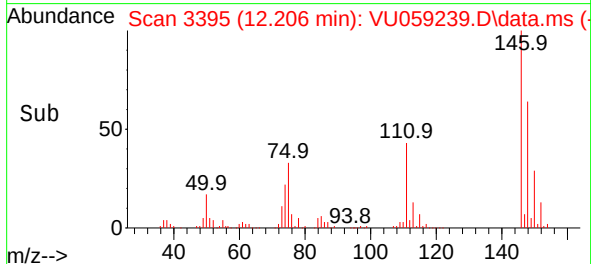
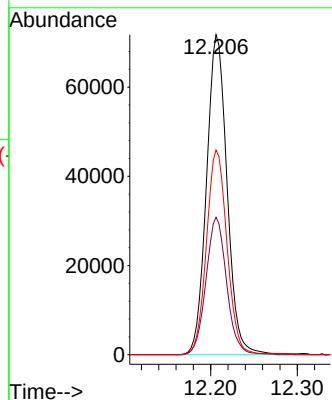
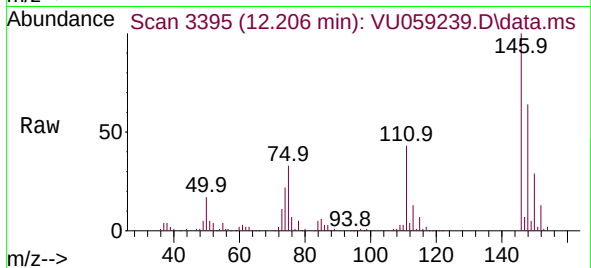
Tgt Ion:146 Resp: 118143

Ion Ratio Lower Upper

146 100

111 42.9 33.4 50.0

148 63.9 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 4.834 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

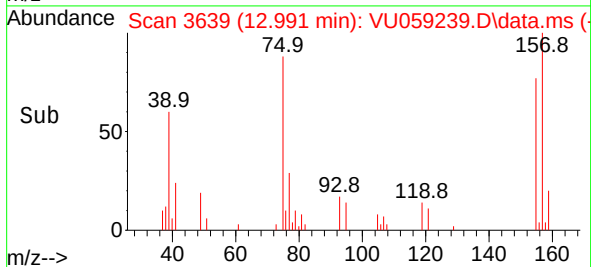
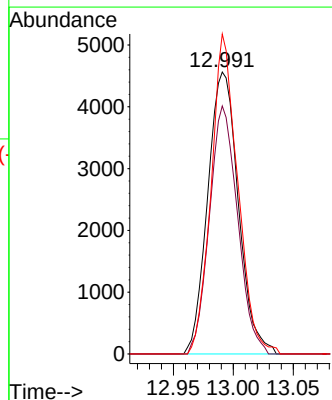
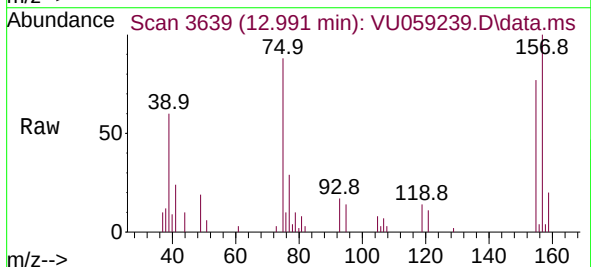
Tgt Ion: 75 Resp: 8103

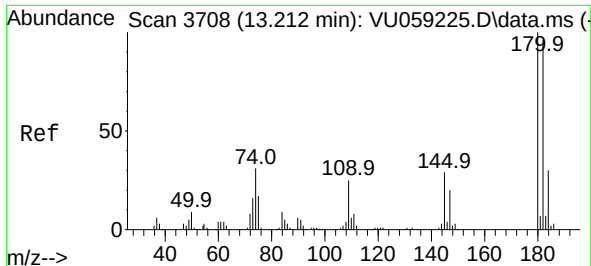
Ion Ratio Lower Upper

75 100

155 87.9 58.2 87.2#

157 113.5 80.0 120.0





#69

1,3,5-Trichlorobenzene

Concen: 4.535 ug/L

RT: 13.213 min Scan# 31

Delta R.T. 0.000 min

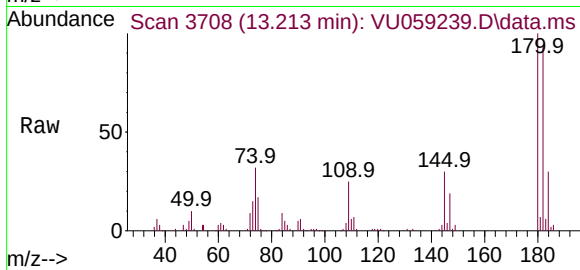
Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 85704

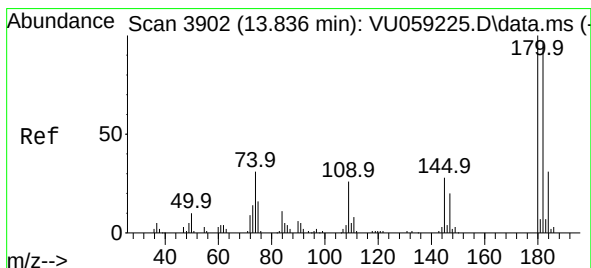
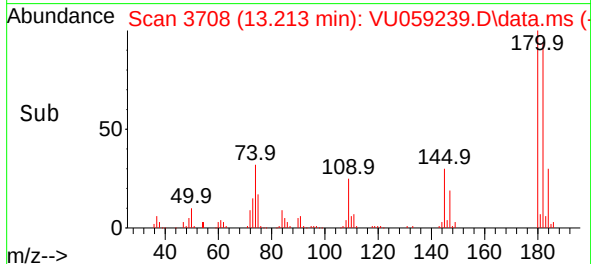
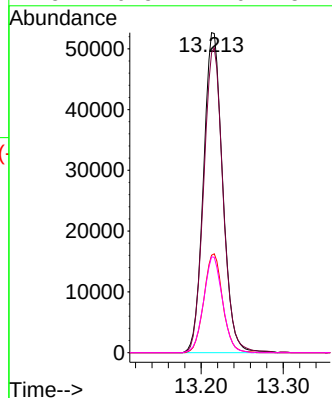
Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.0

184 30.2 23.0 34.6

145 29.5 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 4.149 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

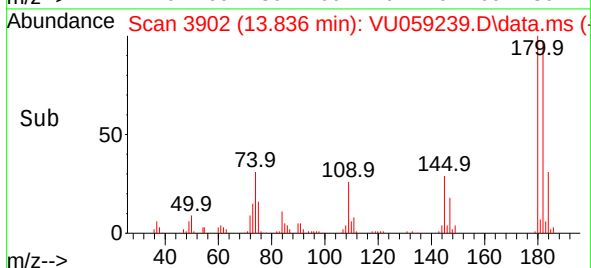
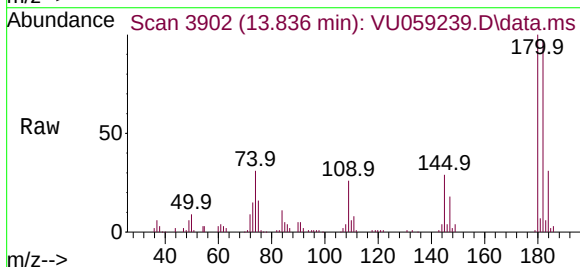
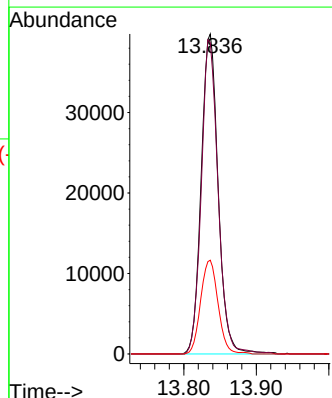
Tgt Ion:180 Resp: 64707

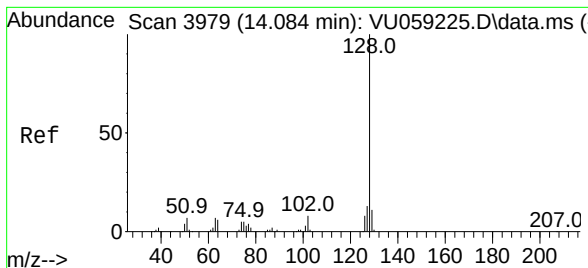
Ion Ratio Lower Upper

180 100

182 96.9 74.9 112.3

145 30.1 23.9 35.9





#71

Naphthalene

Concen: 4.142 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Instrument :

MSVOA_U

ClientSampleId :

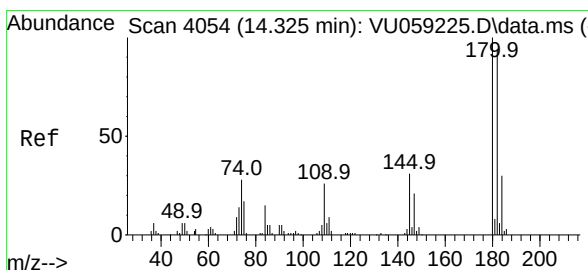
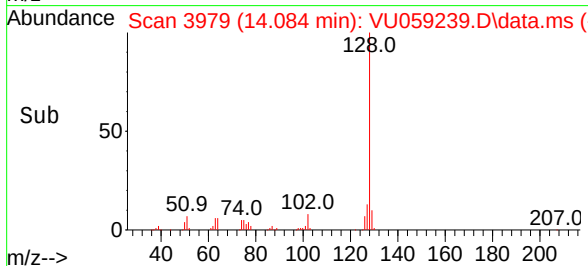
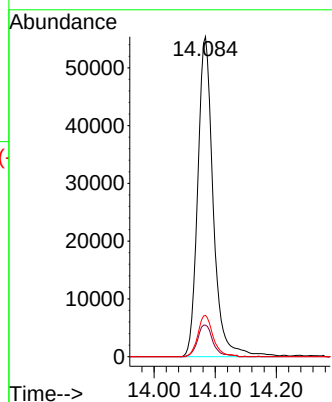
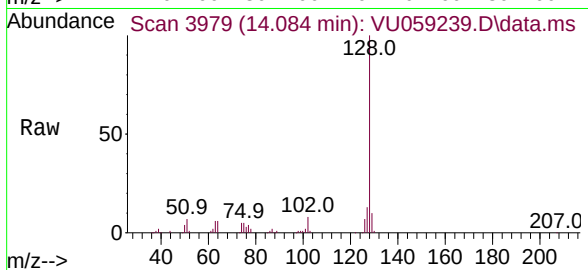
Tgt Ion:128 Resp: 97357

Ion Ratio Lower Upper

128 100

129 9.9 8.2 12.4

127 12.8 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.452 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU059239.D

Acq: 13 Jun 2024 16:59

Tgt Ion:180 Resp: 60929

Ion Ratio Lower Upper

180 100

182 96.9 77.0 115.6

145 32.0 26.2 39.4

