

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053124\
 Data File : VU059103.D
 Acq On : 31 May 2024 09:05
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 01:11:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 03:18:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	212303	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	211680	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	108141	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55578	43.723	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.440%
7) Chloroethane-d5	1.907	69	49222	45.204	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.566	63	119569	47.655	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.300%
21) 2-Butanone-d5	4.611	46	110336	92.090	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.090%
24) Chloroform-d	5.055	84	124071	49.030	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.060%
26) 1,2-Dichloroethane-d4	5.695	65	72081	46.474	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.940%
32) Benzene-d6	5.721	84	226485	46.617	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.240%
36) 1,2-Dichloropropane-d6	6.682	67	77149	46.055	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.100%
41) Toluene-d8	7.891	98	199584	48.392	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.780%
43) trans-1,3-Dichloroprop...	8.174	79	33356	49.261	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.520%
47) 2-Hexanone-d5	8.624	63	65722	84.842	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.840%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	124459	43.900	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	73984	45.844	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.680%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.380	85	116514	54.165	ug/L	99
3) Chloromethane	1.518	50	130540	52.508	ug/L	100
5) Vinyl chloride	1.602	62	133708	54.734	ug/L	100
6) Bromomethane	1.853	94	79037	40.441	ug/L	96
8) Chloroethane	1.930	64	79785	52.374	ug/L	100
9) Trichlorofluoromethane	2.136	101	154305	54.281	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	95168	57.540	ug/L	99
12) 1,1-Dichloroethene	2.576	96	84197	56.127	ug/L	89
13) Acetone	2.615	43	146825	104.256	ug/L	100
14) Carbon disulfide	2.788	76	282645	55.945	ug/L	100
15) Methyl Acetate	2.939	43	109209	48.956	ug/L	99
16) Methylene chloride	3.039	84	104209	51.340	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	89893	55.519	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	276210	52.517	ug/L	99
19) 1,1-Dichloroethane	3.859	63	183270	52.807	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	100710	54.584	ug/L	96
22) 2-Butanone	4.689	43	175717	103.059	ug/L	98
23) Bromochloromethane	4.965	128	50630	54.174	ug/L	96
25) Chloroform	5.078	83	182611	54.340	ug/L	99

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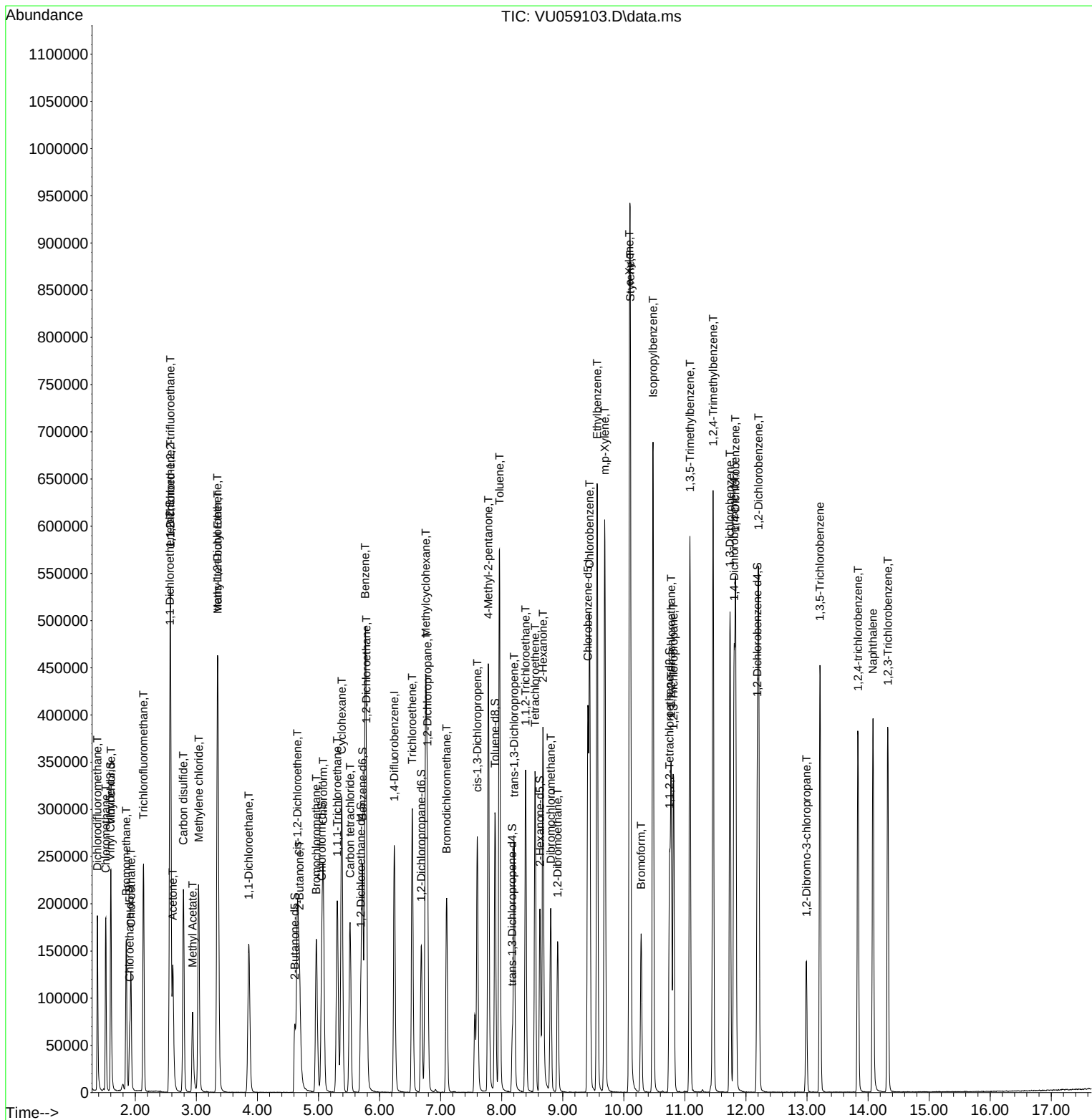
Instrument :
 MSVOA_U
 ClientSampleId :

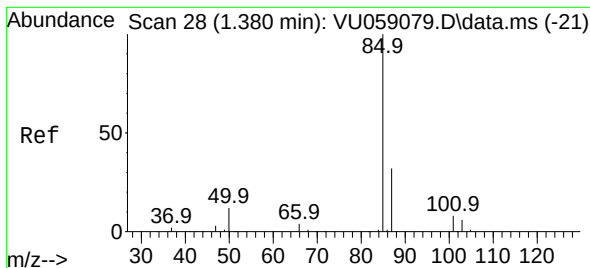
Quant Time: Jun 01 01:11:58 2024
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 Quant Title : VOC Analysis
 QLast Update : Fri May 31 03:18:55 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	147839	52.077	ug/L	99
29) Cyclohexane	5.383	56	155789	55.126	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	149464	54.306	ug/L	98
31) Carbon tetrachloride	5.518	117	123029	55.033	ug/L	99
33) Benzene	5.766	78	412761	54.001	ug/L	100
34) Trichloroethene	6.537	95	106552	56.931	ug/L	99
35) Methylcyclohexane	6.756	83	161601	58.724	ug/L	98
37) 1,2-Dichloropropane	6.785	63	115035	53.000	ug/L	99
38) Bromodichloromethane	7.100	83	136254	53.893	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	158751	52.863	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	286099	100.545	ug/L	99
42) Toluene	7.965	91	429540	55.984	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	152087	55.941	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	104493	53.545	ug/L	98
46) Tetrachloroethene	8.547	164	72918	58.491	ug/L	93
48) 2-Hexanone	8.676	43	240586	100.250	ug/L	98
49) Dibromochloromethane	8.804	129	98527	55.866	ug/L	100
50) 1,2-Dibromoethane	8.917	107	108885	54.090	ug/L	96
51) Chlorobenzene	9.441	112	258451	55.812	ug/L	99
52) Ethylbenzene	9.563	91	455348	57.567	ug/L	99
53) m,p-Xylene	9.688	106	171971	59.156	ug/L	100
54) o-Xylene	10.094	106	161889	57.461	ug/L	99
55) Styrene	10.110	104	286968	59.923	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	176935	49.771	ug/L	98
59) Bromoform	10.283	173	73841	52.078	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	141930	47.196	ug/L	98
61) Isopropylbenzene	10.479	105	434739	57.142	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	311802	56.565	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	346380	57.966	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	198385	55.792	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	201614	54.901	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	193785	52.142	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	37681	49.425	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	132058	56.234	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	113948	60.752	ug/L	98
71) Naphthalene	14.080	128	320531	53.990	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	115642	60.645	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 54.165 ug/L

RT: 1.380 min Scan# 20

Delta R.T. 0.000 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

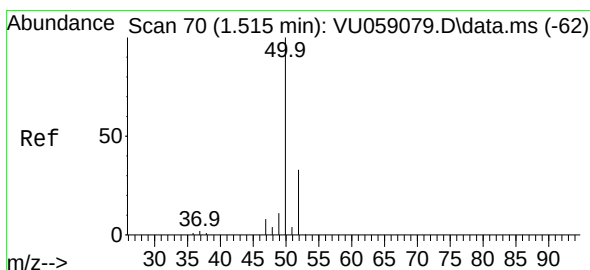
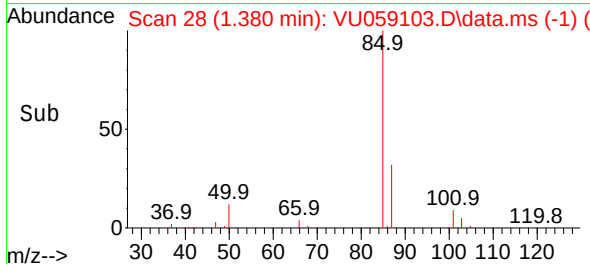
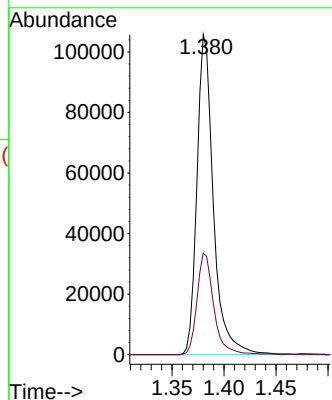
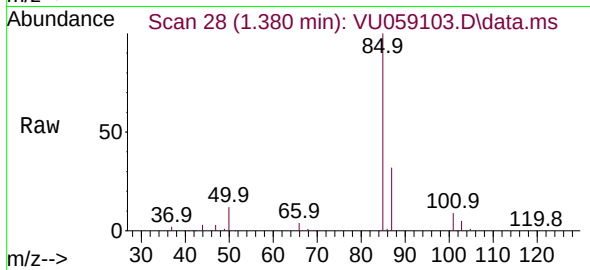
ClientSampleId :

Tgt Ion: 85 Resp: 116514

Ion Ratio Lower Upper

85 100

87 32.2 25.4 38.2



#3

Chloromethane

Concen: 52.508 ug/L

RT: 1.518 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU059103.D

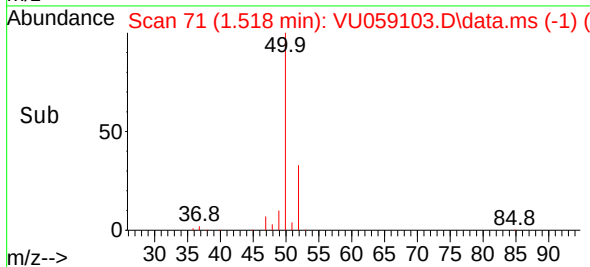
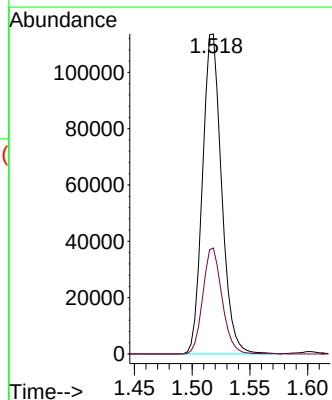
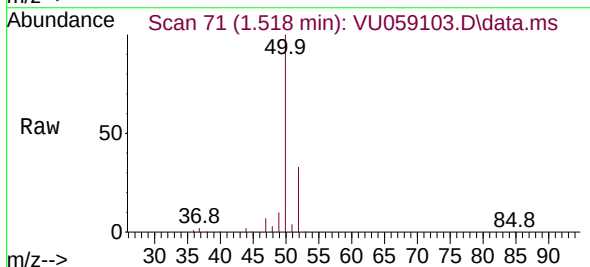
Acq: 31 May 2024 09:05

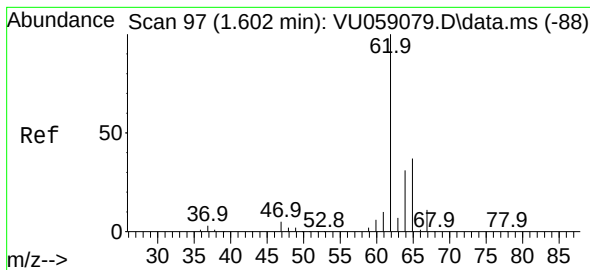
Tgt Ion: 50 Resp: 130540

Ion Ratio Lower Upper

50 100

52 33.1 23.2 43.2





#5

Vinyl chloride

Concen: 54.734 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

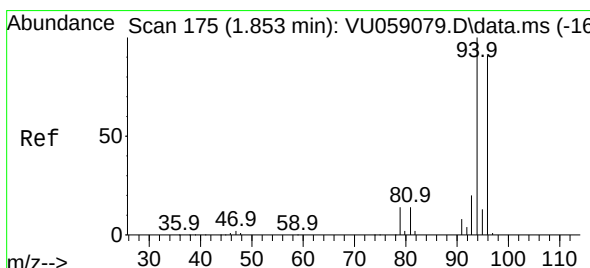
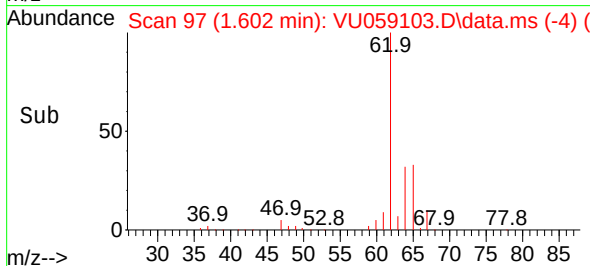
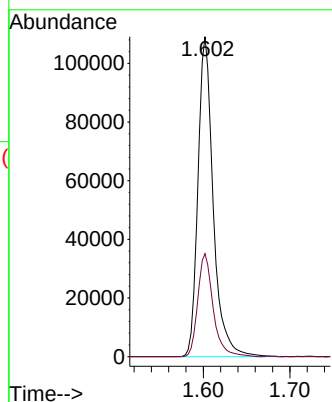
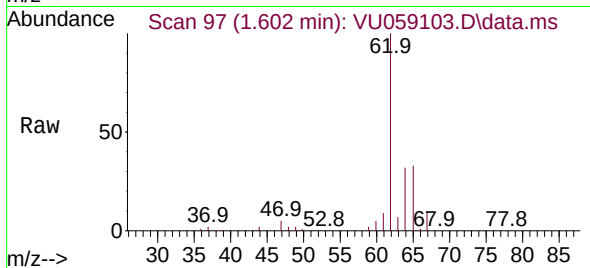
ClientSampleId :

Tgt Ion: 62 Resp: 133708

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.7



#6

Bromomethane

Concen: 40.441 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU059103.D

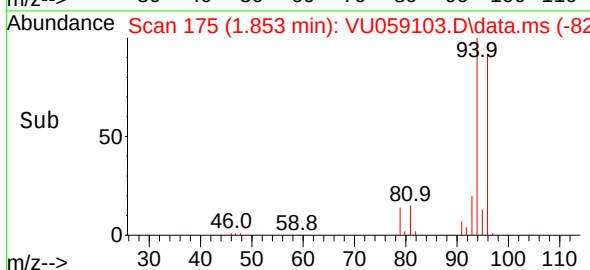
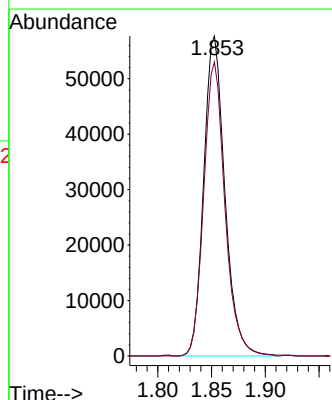
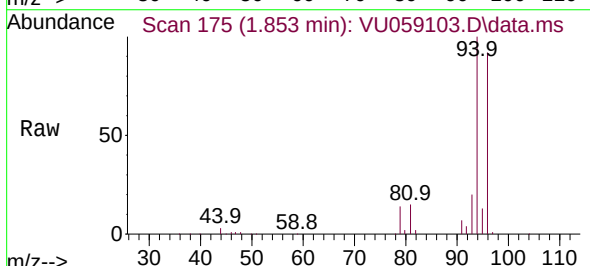
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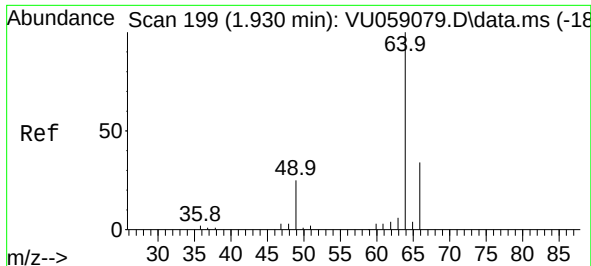
Tgt Ion: 94 Resp: 79037

Ion Ratio Lower Upper

94 100

96 91.9 67.1 124.7

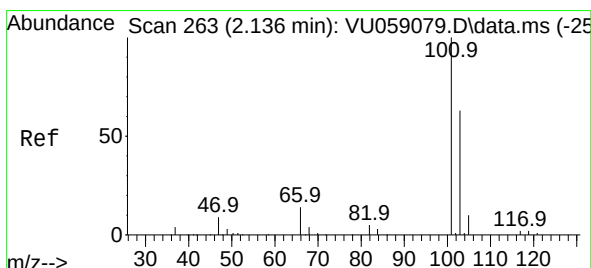
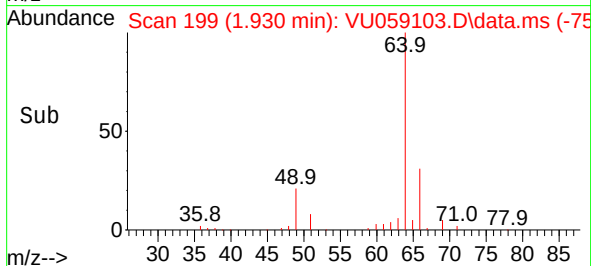
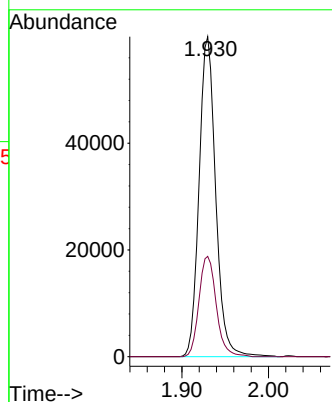
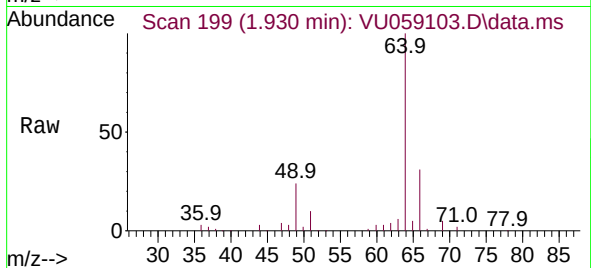




#8
Chloroethane
Concen: 52.374 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

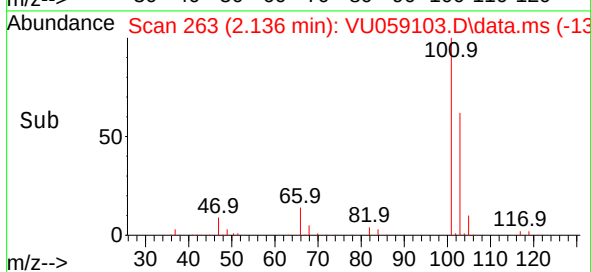
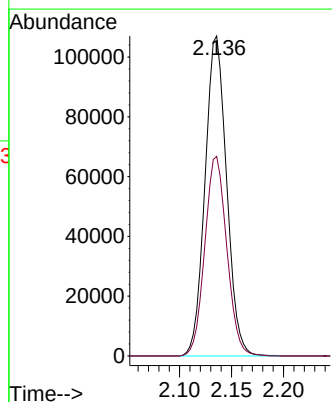
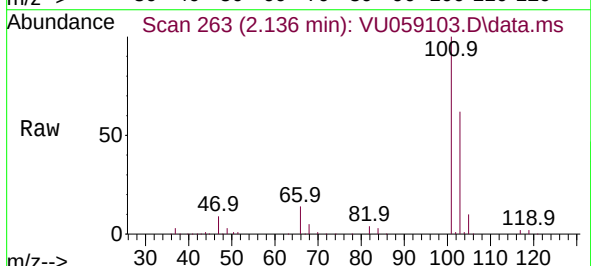
Instrument :
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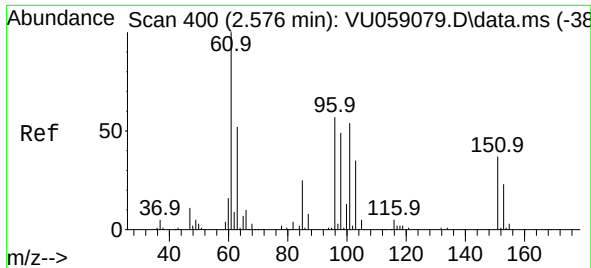
Tgt Ion: 64 Resp: 79785
Ion Ratio Lower Upper
64 100
66 31.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 54.281 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion:101 Resp: 154305
Ion Ratio Lower Upper
101 100
103 63.6 51.8 77.6

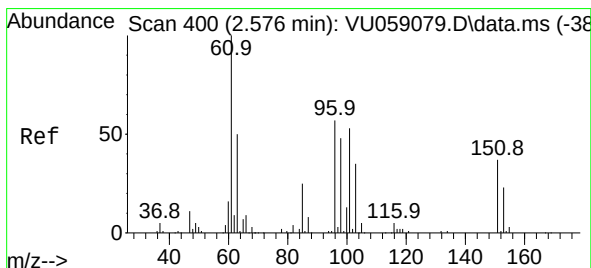
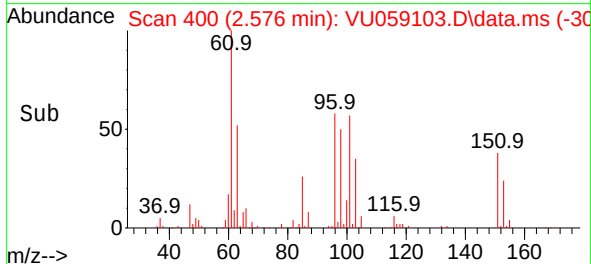
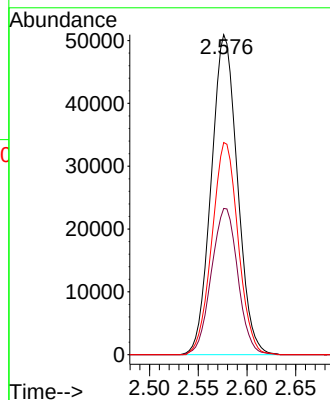
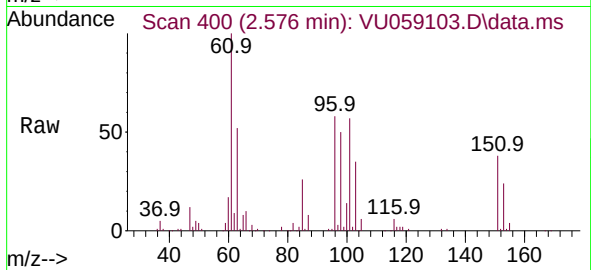




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 57.540 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

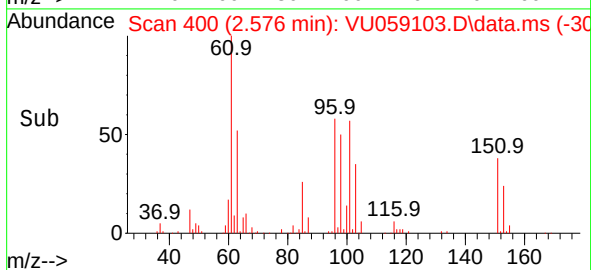
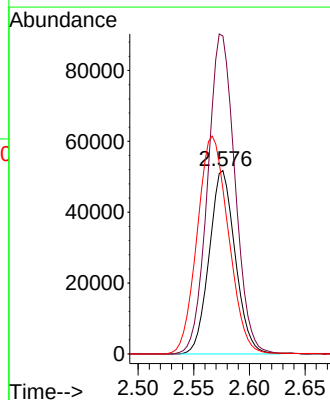
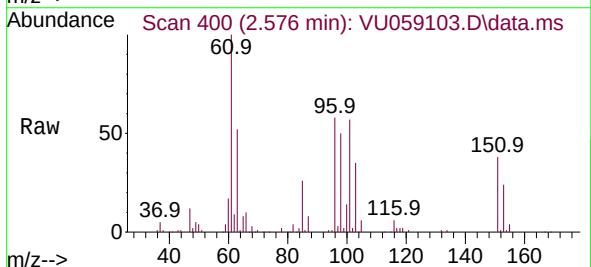
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MSVOA_U
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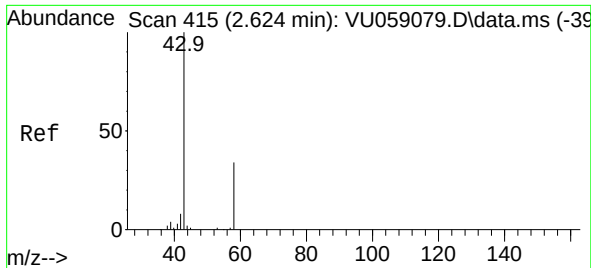
Tgt Ion:101 Resp: 95168
Ion Ratio Lower Upper
101 100
85 46.1 36.7 55.1
151 66.3 52.2 78.2



#12
1,1-Dichloroethene
Concen: 56.127 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion: 96 Resp: 84197
Ion Ratio Lower Upper
96 100
61 173.4 126.3 234.6
63 90.0 78.7 146.1





#13

Acetone

Concen: 104.256 ug/L

RT: 2.615 min Scan# 41

Delta R.T. -0.010 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

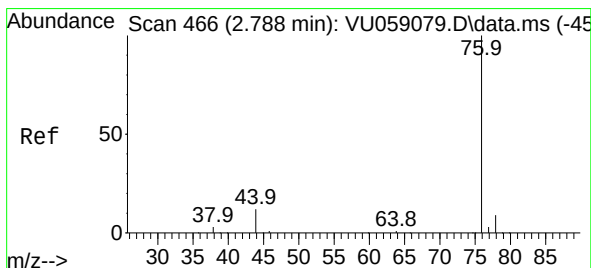
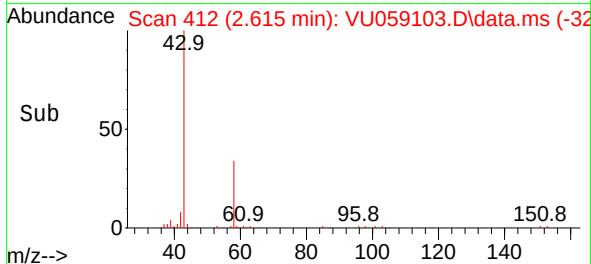
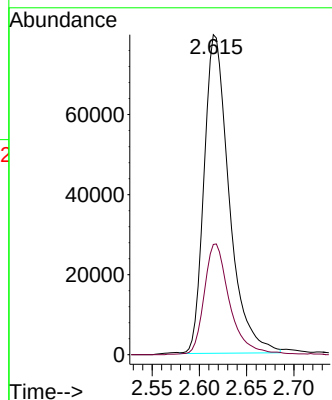
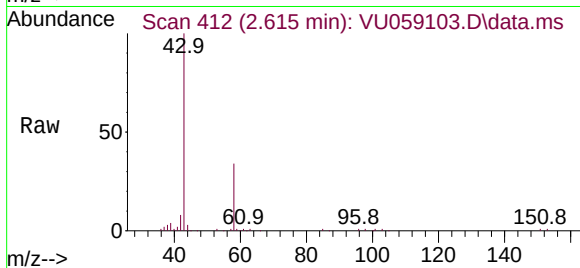
ClientSampleId :

Tgt Ion: 43 Resp: 146825

Ion Ratio Lower Upper

43 100

58 34.6 0.0 68.8



#14

Carbon disulfide

Concen: 55.945 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU059103.D

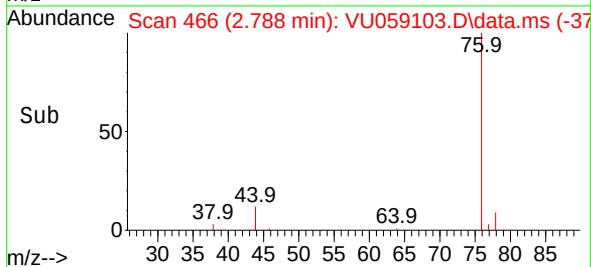
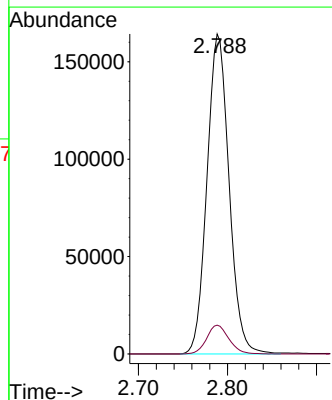
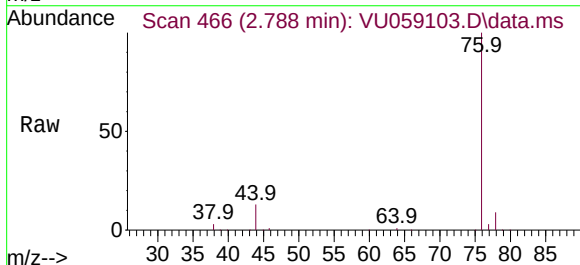
Acq: 31 May 2024 09:05

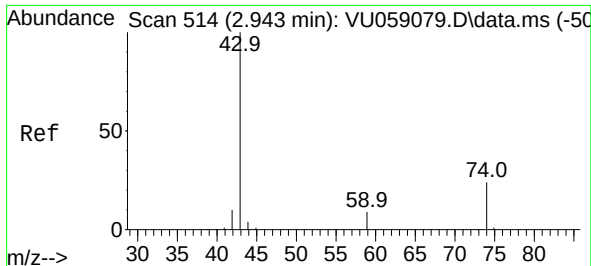
Tgt Ion: 76 Resp: 282645

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

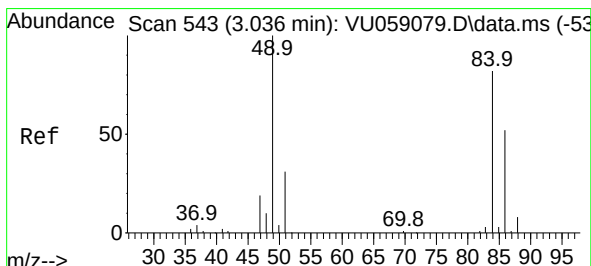
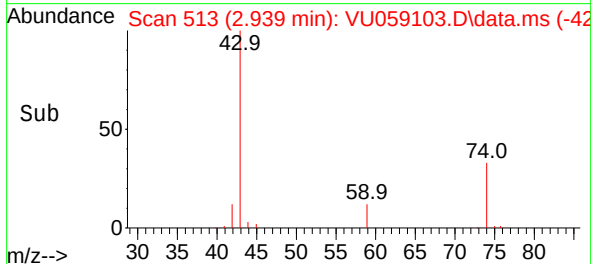
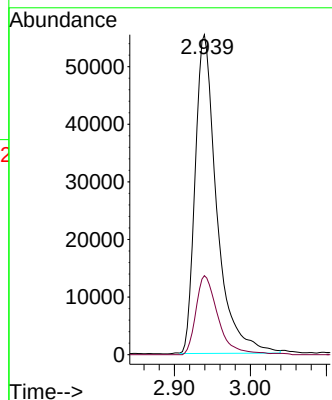
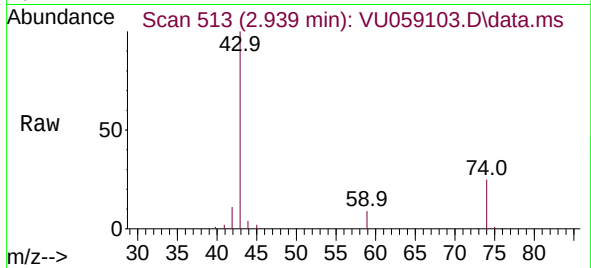




#15
Methyl Acetate
Concen: 48.956 ug/L
RT: 2.939 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

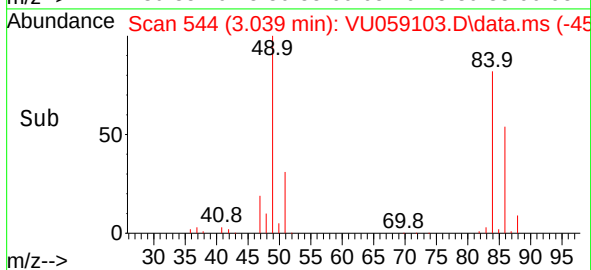
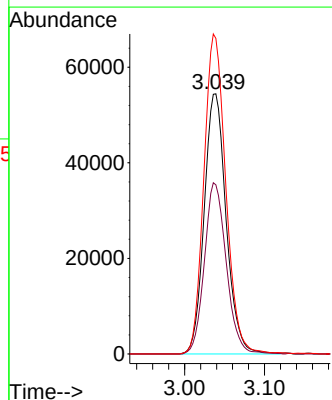
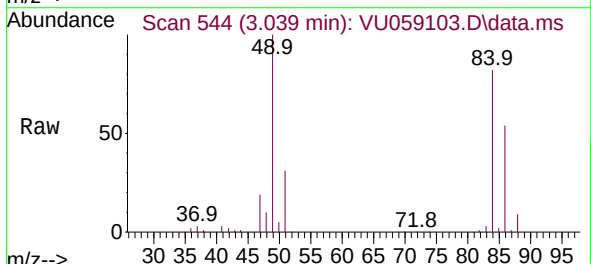
Instrument :
MSVOA_U
ClientSampleId :

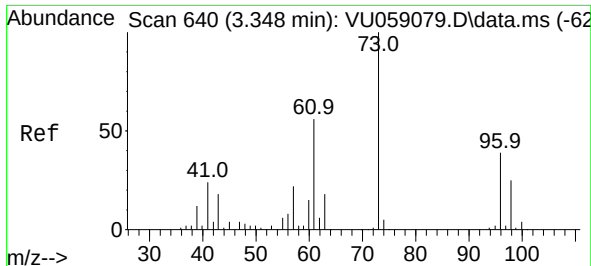
Tgt Ion: 43 Resp: 109209
Ion Ratio Lower Upper
43 100
74 25.3 20.8 31.2



#16
Methylene chloride
Concen: 51.340 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion: 84 Resp: 104209
Ion Ratio Lower Upper
84 100
86 65.0 44.9 83.3
49 121.2 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 55.519 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

ClientSampleId :

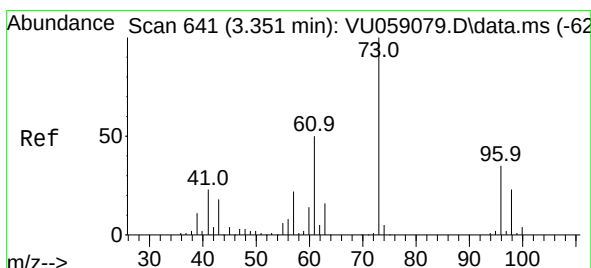
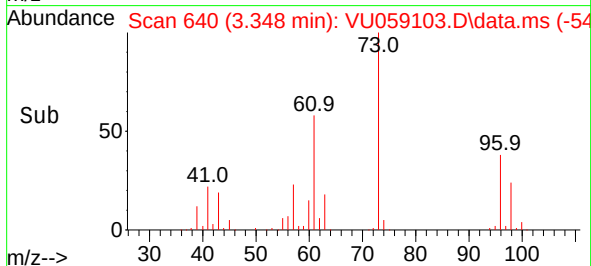
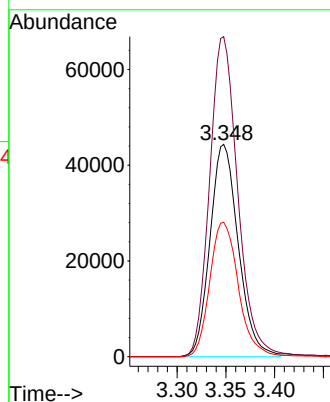
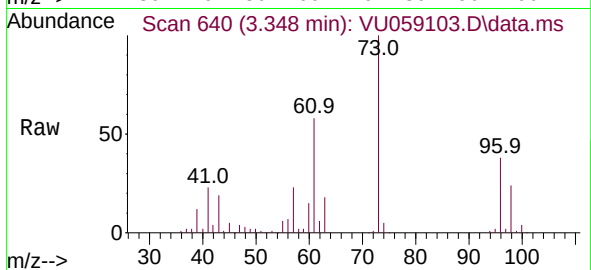
Tgt Ion: 96 Resp: 89893

Ion Ratio Lower Upper

96 100

61 150.7 103.5 192.3

98 63.3 42.4 78.6



#18

Methyl tert-butyl Ether

Concen: 52.517 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

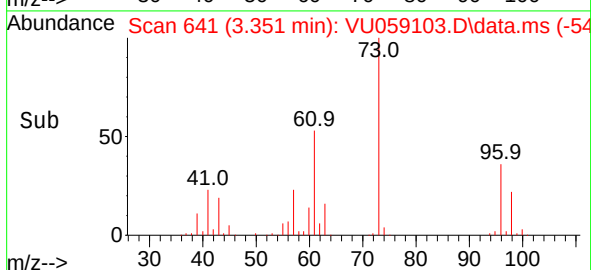
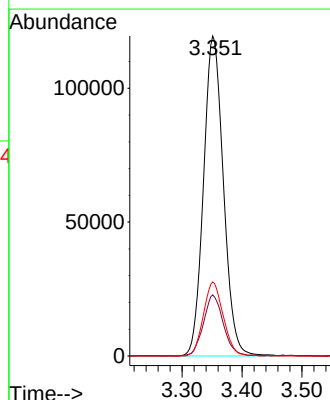
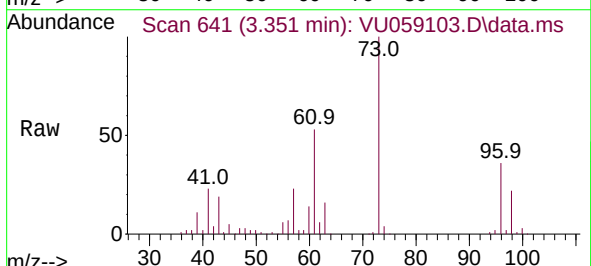
Tgt Ion: 73 Resp: 276210

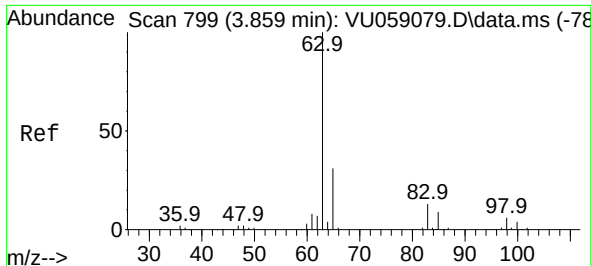
Ion Ratio Lower Upper

73 100

43 19.1 15.6 23.4

57 23.0 18.6 28.0





#19

1,1-Dichloroethane

Concen: 52.807 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

ClientSampleId :

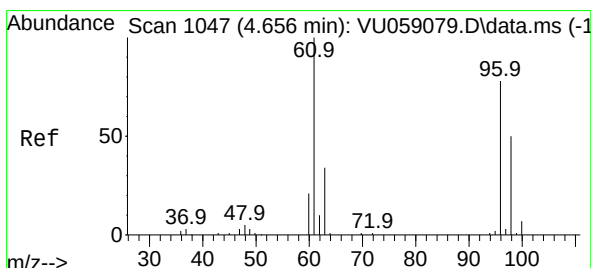
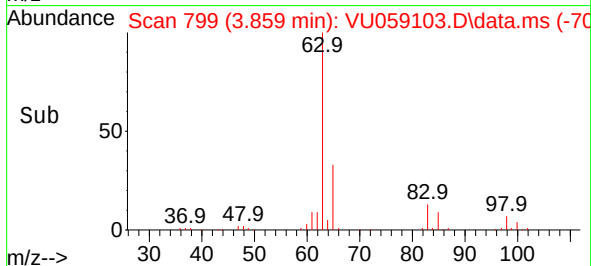
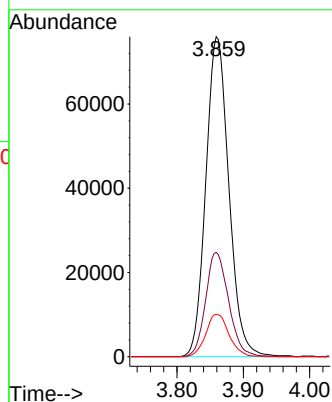
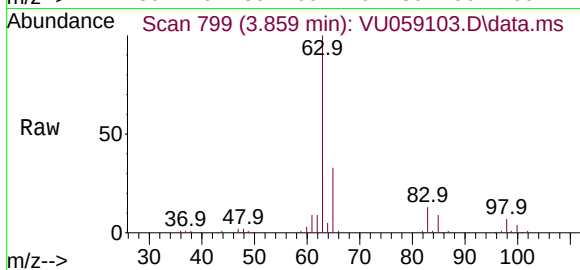
Tgt Ion: 63 Resp: 183270

Ion Ratio Lower Upper

63 100

65 32.6 21.3 39.5

83 13.2 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 54.584 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

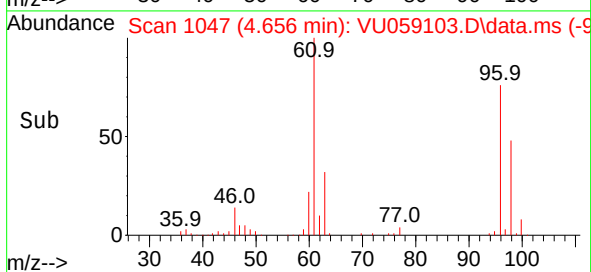
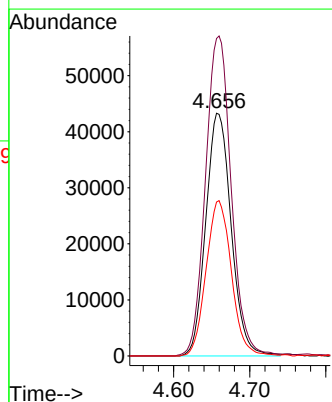
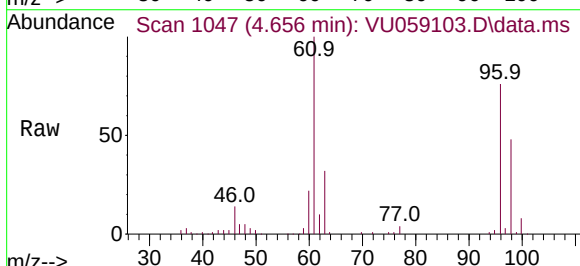
Tgt Ion: 96 Resp: 100710

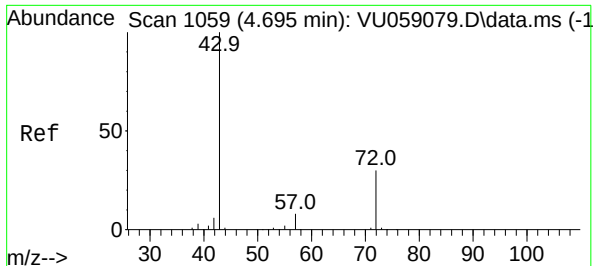
Ion Ratio Lower Upper

96 100

61 130.8 96.2 178.6

98 63.4 45.6 84.6

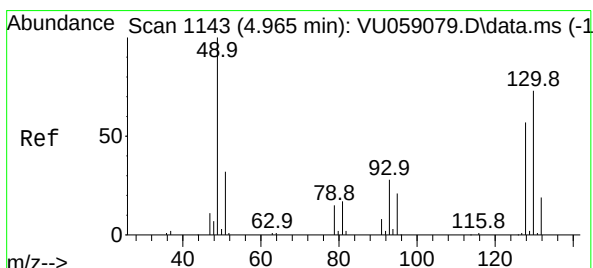
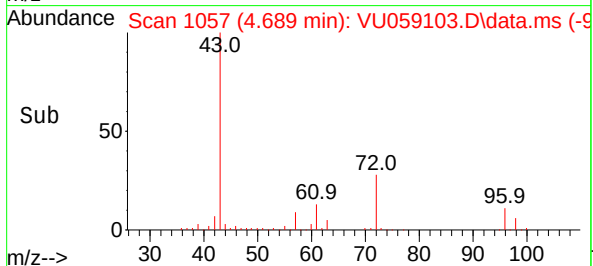
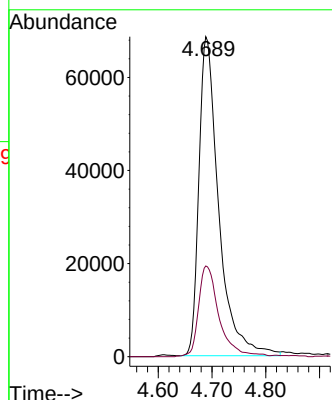
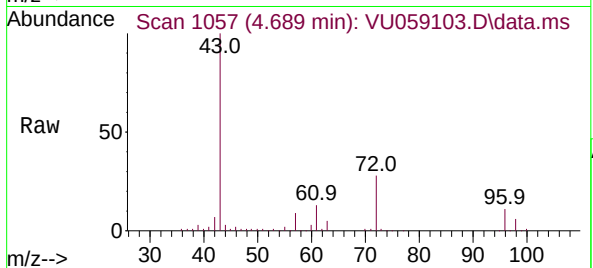




#22
2-Butanone
Concen: 103.059 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

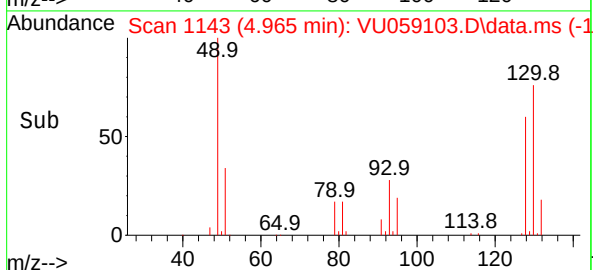
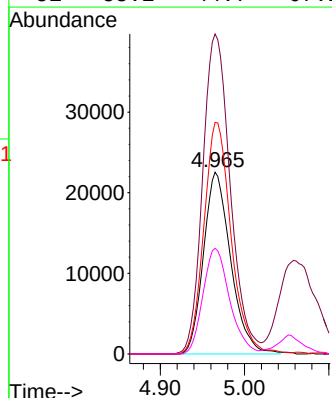
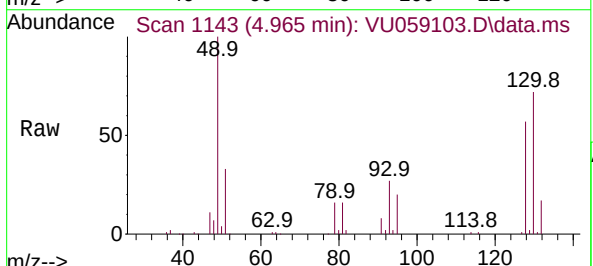
Instrument :
MSVOA_U
ClientSampleId :

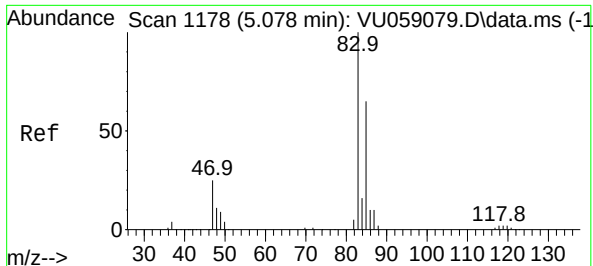
Tgt Ion: 43 Resp: 175717
Ion Ratio Lower Upper
43 100
72 29.4 14.2 42.8



#23
Bromochloromethane
Concen: 54.174 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion:128 Resp: 50630
Ion Ratio Lower Upper
128 100
49 176.1 128.4 238.4
130 127.4 86.9 161.3
51 58.2 44.7 67.1





#25

Chloroform

Concen: 54.340 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

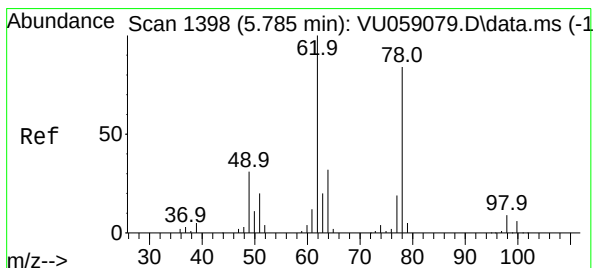
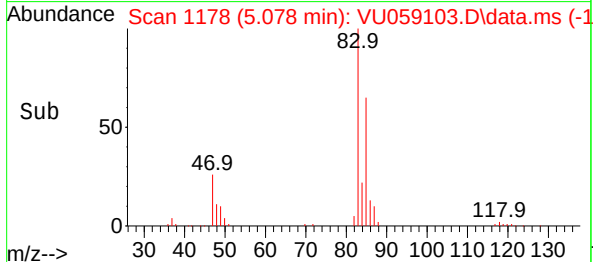
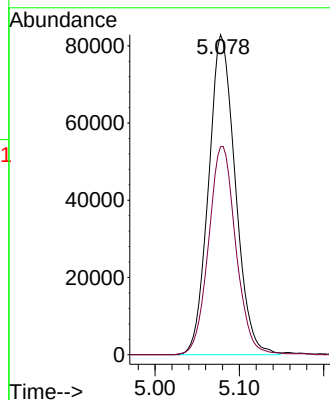
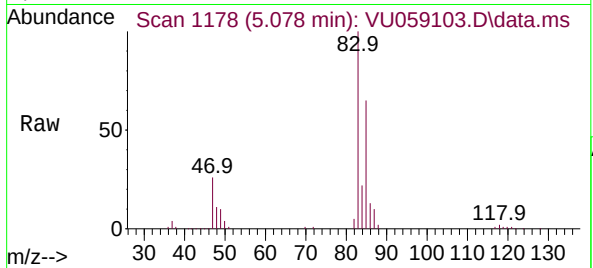
ClientSampleId :

Tgt Ion: 83 Resp: 182611

Ion Ratio Lower Upper

83 100

85 65.0 46.1 85.7



#27

1,2-Dichloroethane

Concen: 52.077 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU059103.D

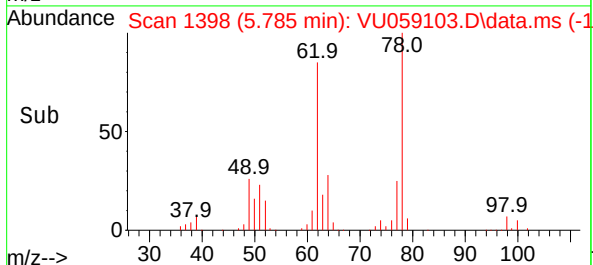
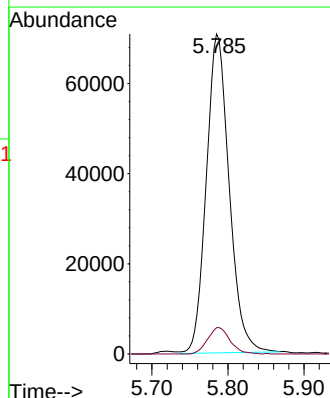
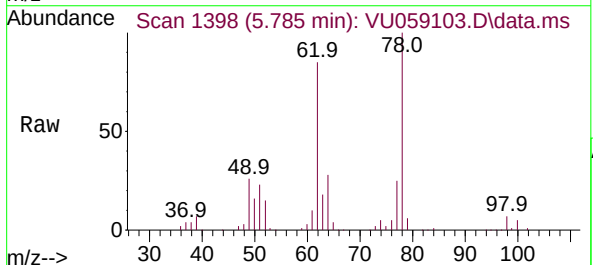
Acq: 31 May 2024 09:05

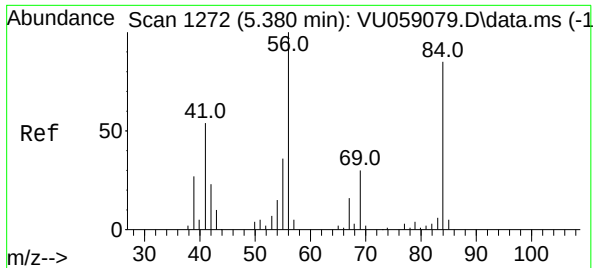
Tgt Ion: 62 Resp: 147839

Ion Ratio Lower Upper

62 100

98 8.2 6.9 10.3

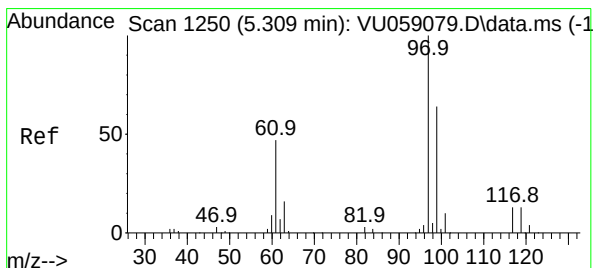
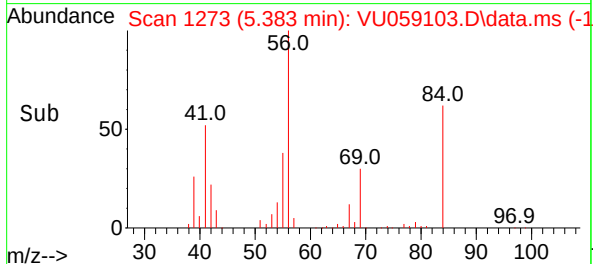
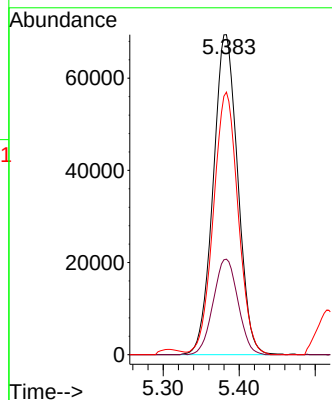
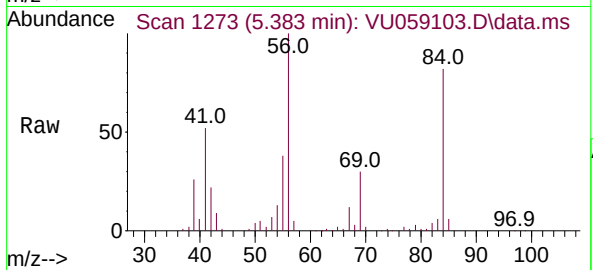




#29
Cyclohexane
Concen: 55.126 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.003 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

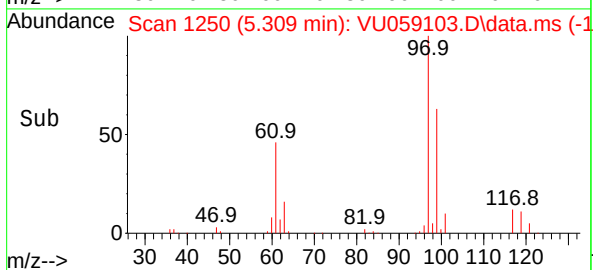
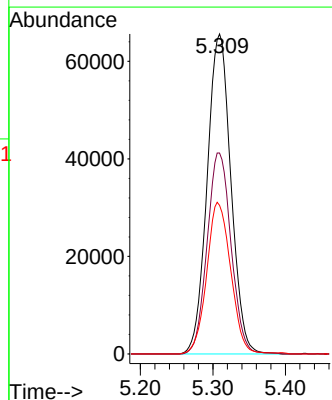
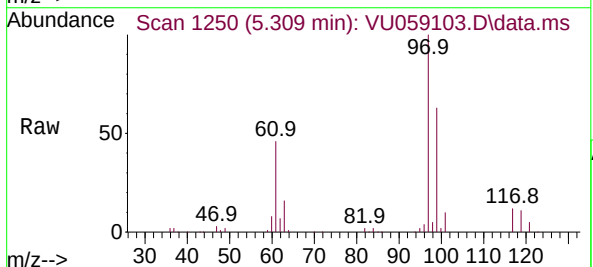
Instrument :
MSVOA_U
ClientSampleId :

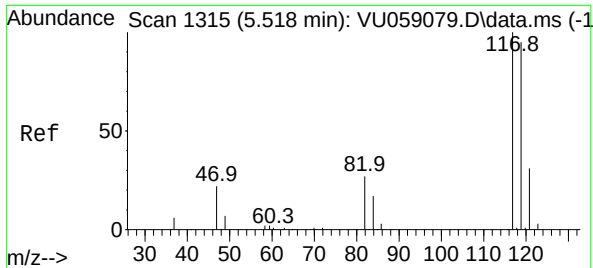
Tgt Ion: 56 Resp: 155789
Ion Ratio Lower Upper
56 100
69 30.1 24.6 37.0
84 82.6 67.4 101.0



#30
1,1,1-Trichloroethane
Concen: 54.306 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion: 97 Resp: 149464
Ion Ratio Lower Upper
97 100
99 63.2 51.6 77.4
61 47.8 39.1 58.7

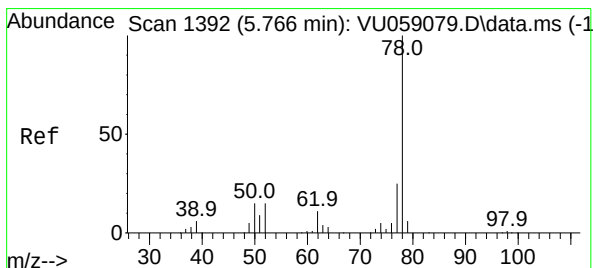
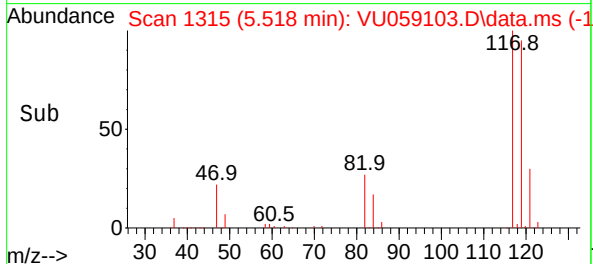
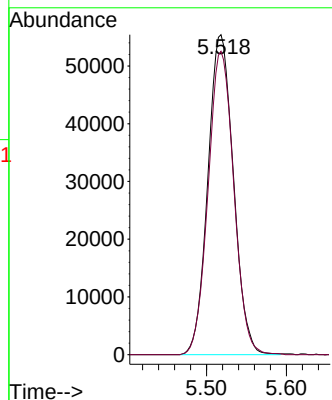
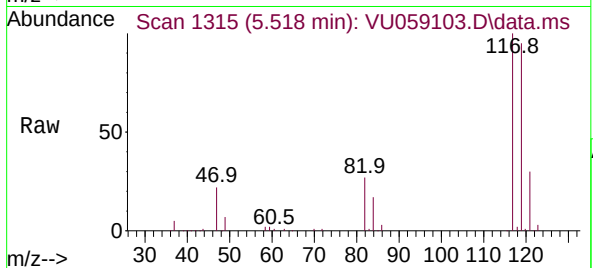




#31
Carbon tetrachloride
Concen: 55.033 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

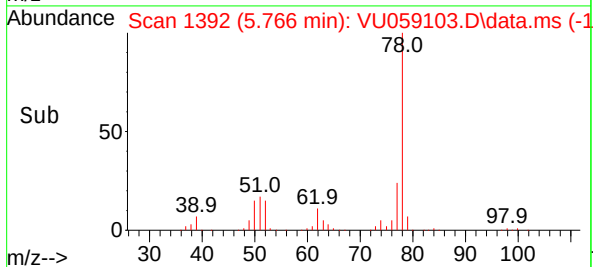
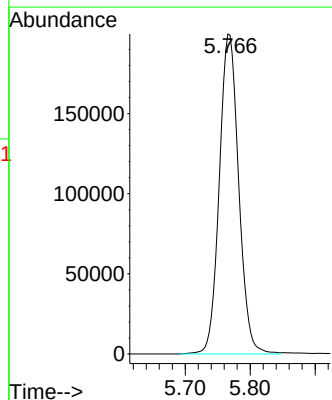
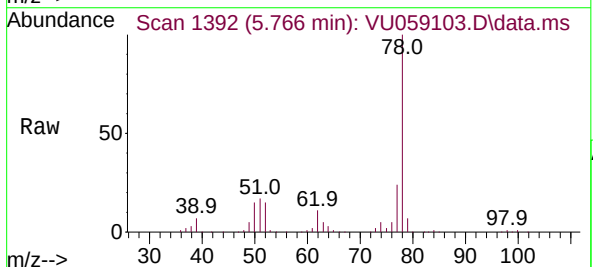
Instrument :
MSVOA_U
ClientSampleId :

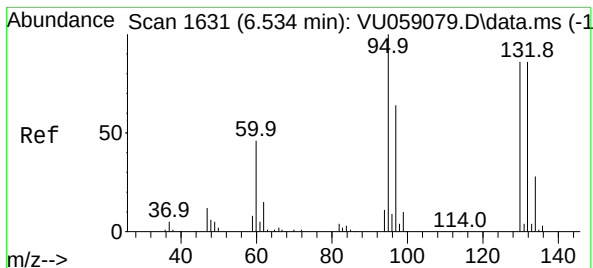
Tgt Ion:117 Resp: 123029
Ion Ratio Lower Upper
117 100
119 95.3 76.9 115.3



#33
Benzene
Concen: 54.001 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion: 78 Resp: 412761





#34

Trichloroethene

Concen: 56.931 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 106552

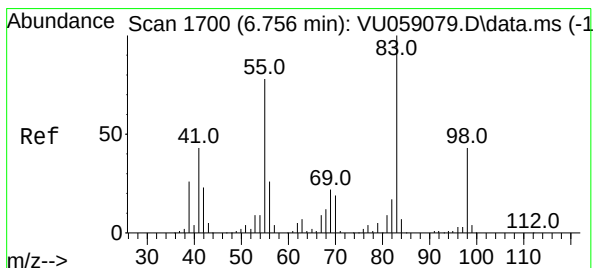
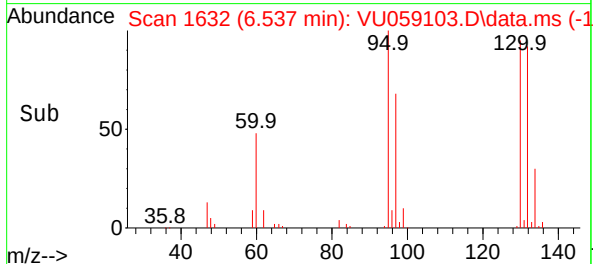
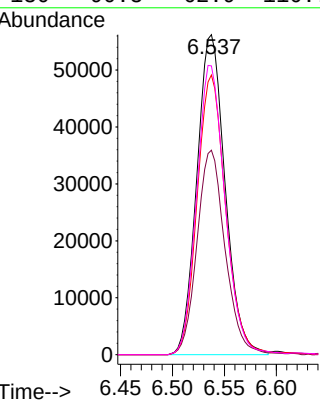
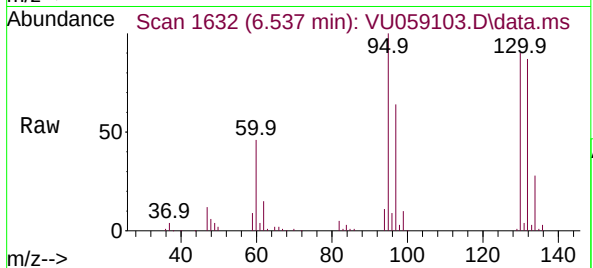
Ion Ratio Lower Upper

95 100

97 63.9 45.2 84.0

132 87.4 60.6 112.6

130 90.3 62.9 116.7



#35

Methylcyclohexane

Concen: 58.724 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

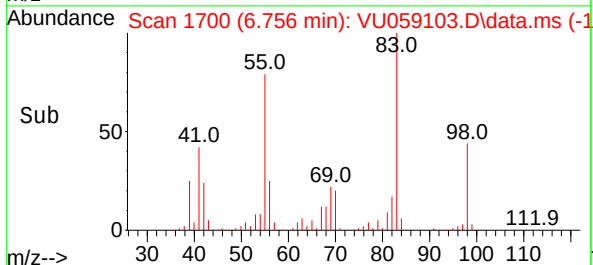
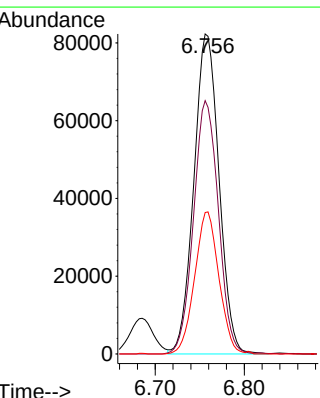
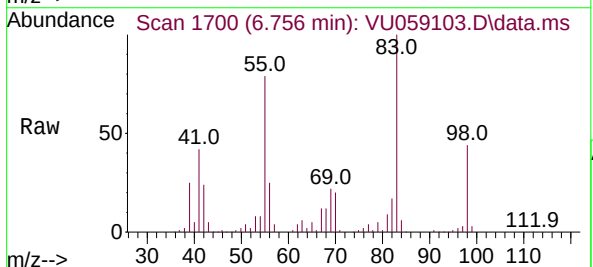
Tgt Ion: 83 Resp: 161601

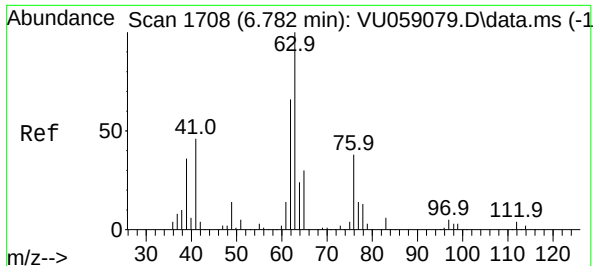
Ion Ratio Lower Upper

83 100

55 78.1 63.9 95.9

98 42.7 34.7 52.1





#37

1,2-Dichloropropane

Concen: 53.000 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

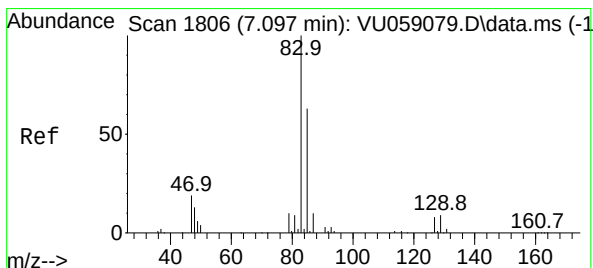
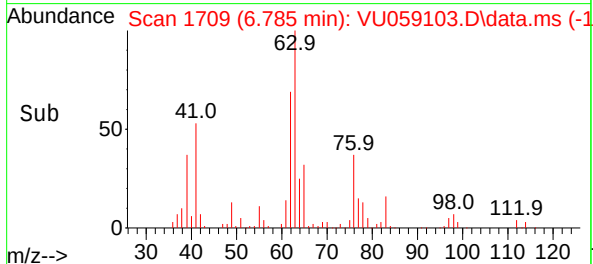
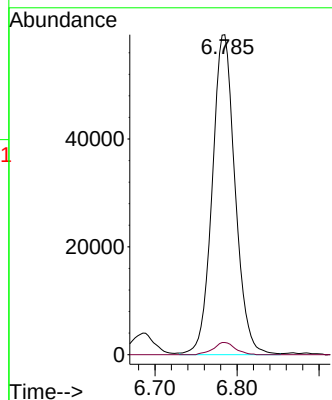
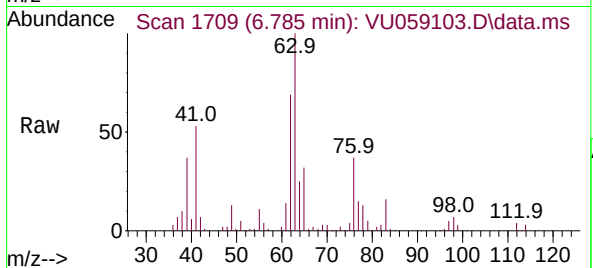
ClientSampleId :

Tgt Ion: 63 Resp: 115035

Ion Ratio Lower Upper

63 100

112 3.6 2.6 4.0



#38

Bromodichloromethane

Concen: 53.893 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.003 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

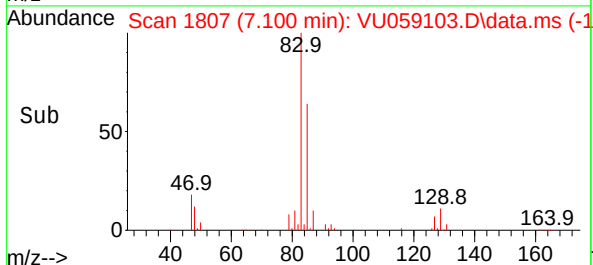
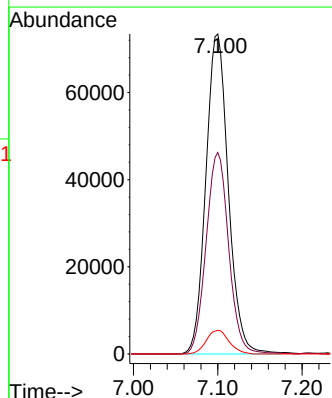
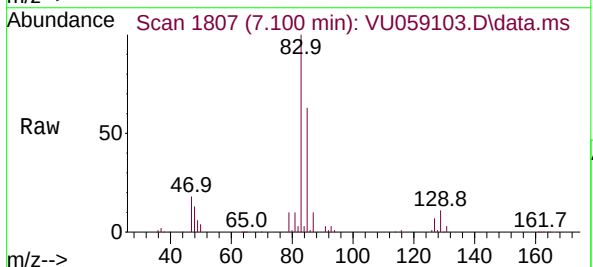
Tgt Ion: 83 Resp: 136254

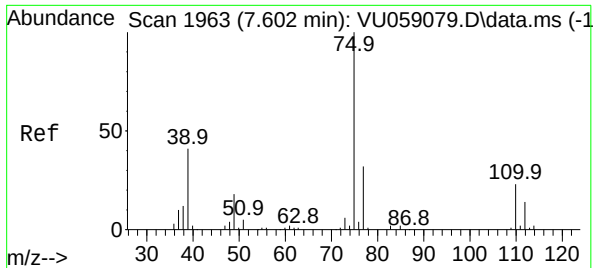
Ion Ratio Lower Upper

83 100

85 63.0 44.0 81.6

127 7.4 7.0 10.6

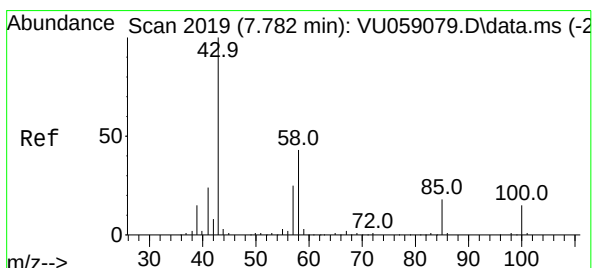
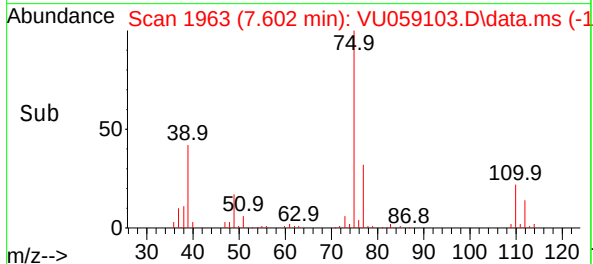
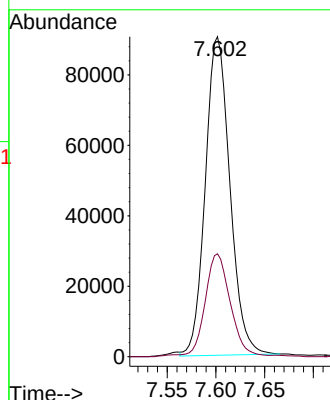
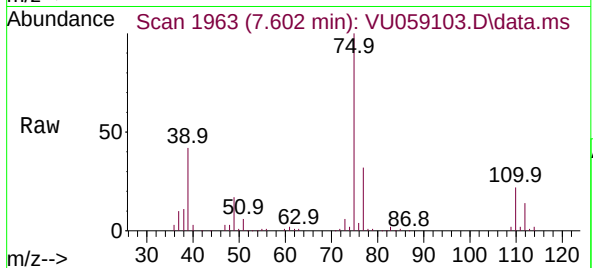




#39
 cis-1,3-Dichloropropene
 Concen: 52.863 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU059103.D
 Acq: 31 May 2024 09:05

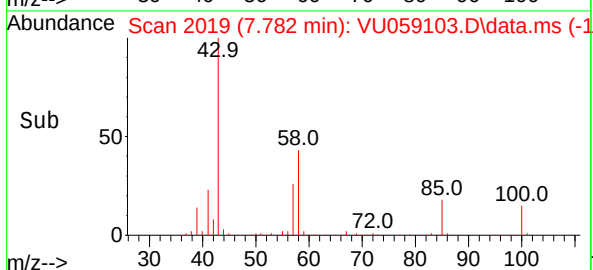
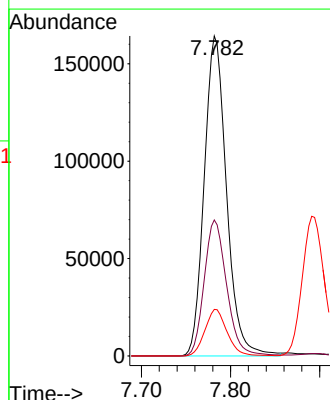
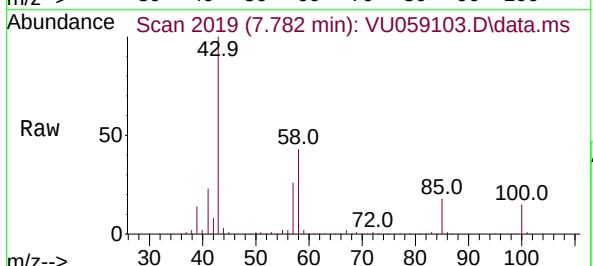
Instrument :
 MSVOA_U
 ClientSampleId :

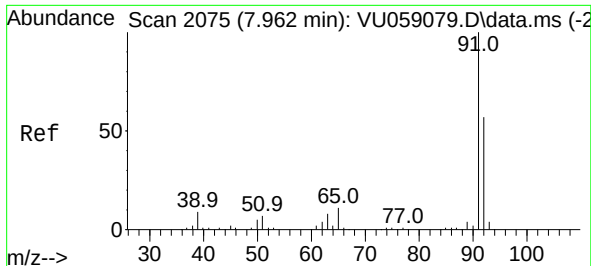
Tgt Ion: 75 Resp: 158751
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 100.545 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU059103.D
 Acq: 31 May 2024 09:05

Tgt Ion: 43 Resp: 286099
 Ion Ratio Lower Upper
 43 100
 58 42.8 33.7 50.5
 100 14.5 11.4 17.0





#42

Toluene

Concen: 55.984 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

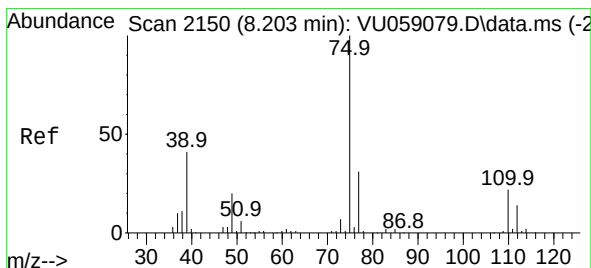
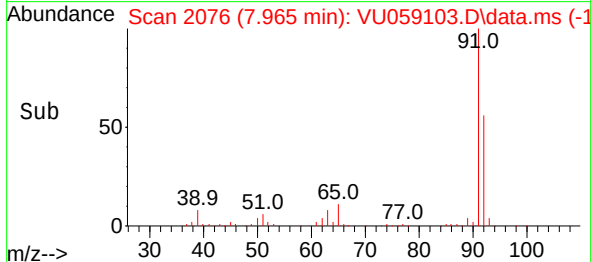
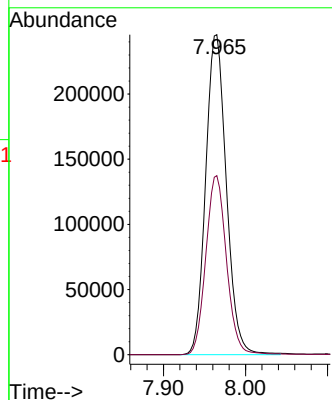
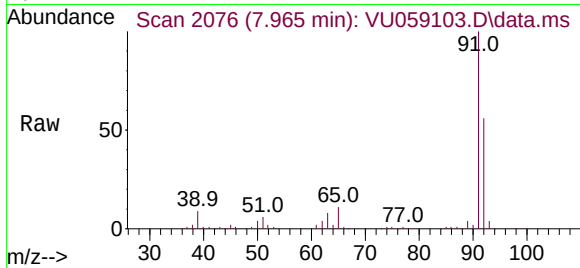
ClientSampleId :

Tgt Ion: 91 Resp: 429540

Ion Ratio Lower Upper

91 100

92 56.0 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 55.941 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059103.D

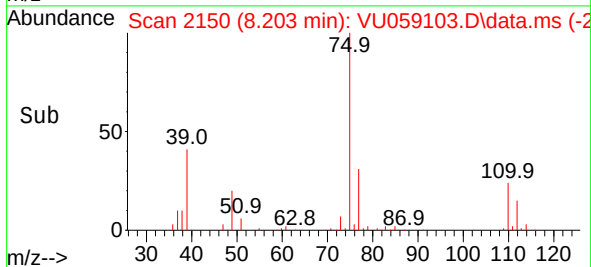
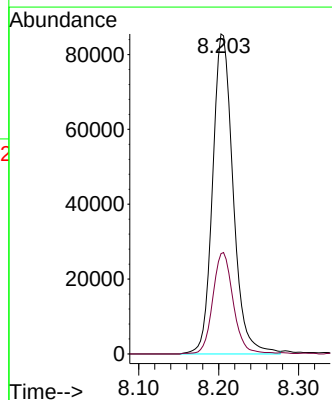
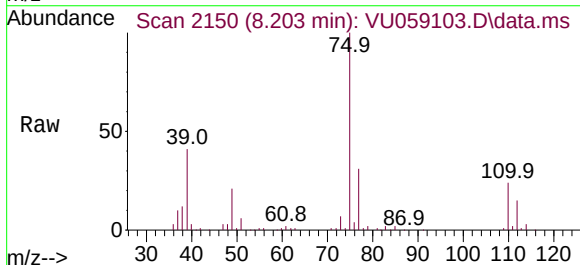
Acq: 31 May 2024 09:05

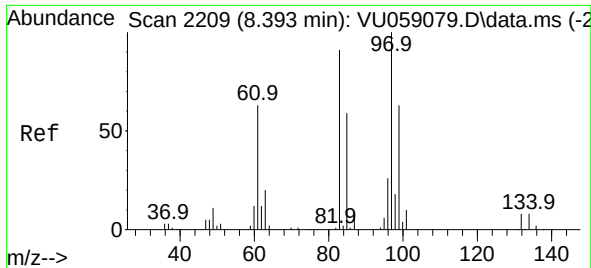
Tgt Ion: 75 Resp: 152087

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8

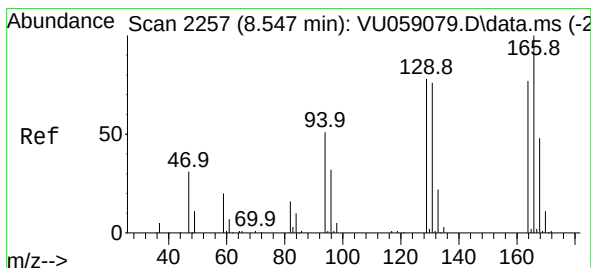
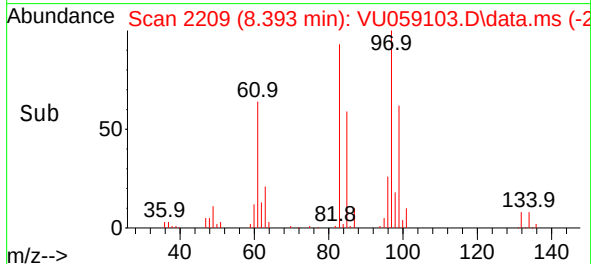
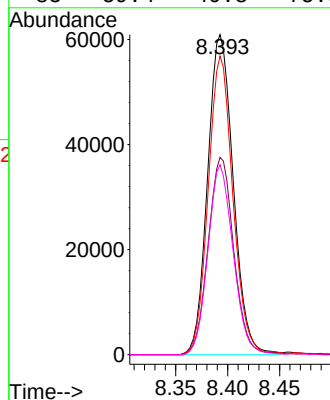
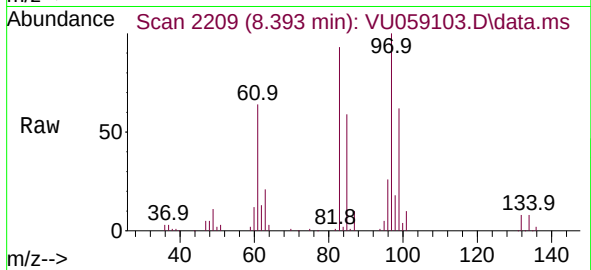




#45
1,1,2-Trichloroethane
Concen: 53.545 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

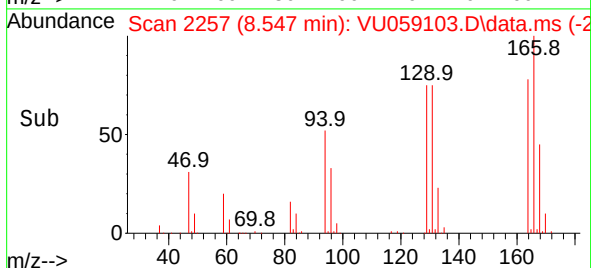
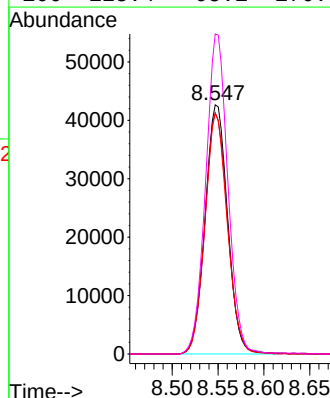
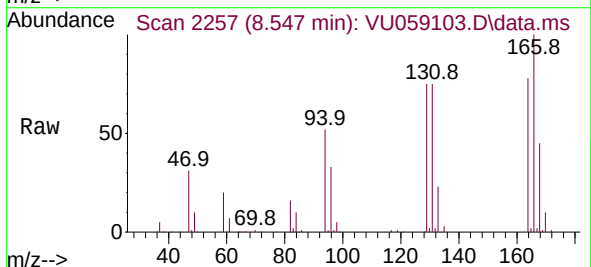
Instrument :
MSVOA_U
ClientSampleId :

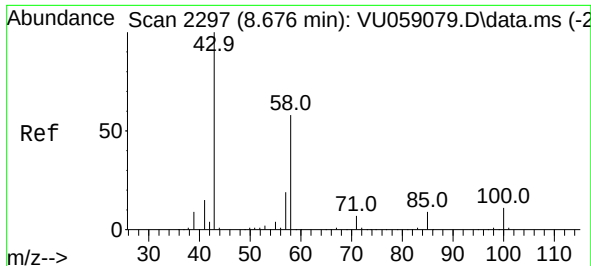
Tgt Ion: 97	Resp: 104493
Ion Ratio	Lower Upper
97 100	
99 61.6	44.0 81.6
83 93.4	63.6 118.2
85 59.4	40.8 75.8



#46
Tetrachloroethene
Concen: 58.491 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt	Ion:164	Resp:	72918
Ion	Ratio	Lower	Upper
164	100		
129	96.7	74.5	138.5
131	96.7	70.6	131.0
166	128.4	95.1	176.7



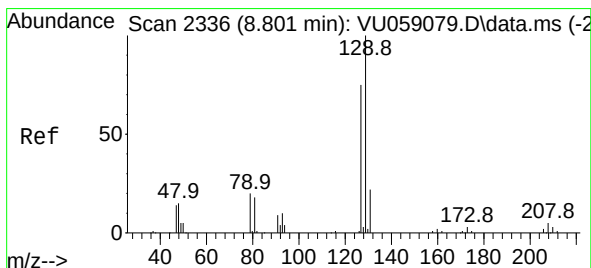
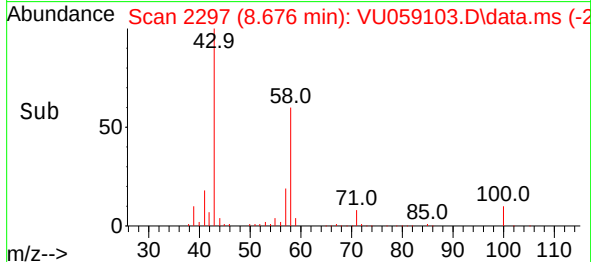
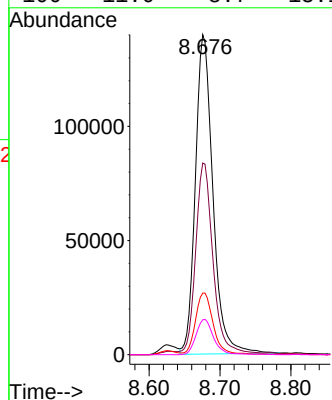
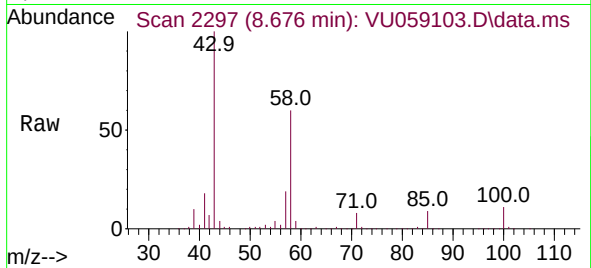


#48
2-Hexanone
Concen: 100.250 ug/L
RT: 8.676 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 240586

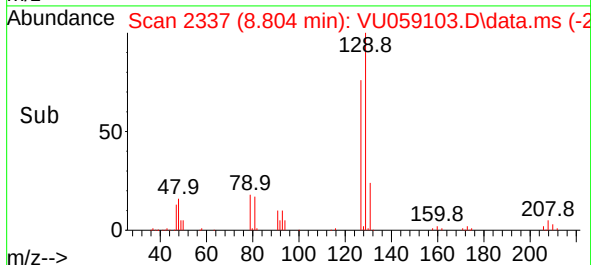
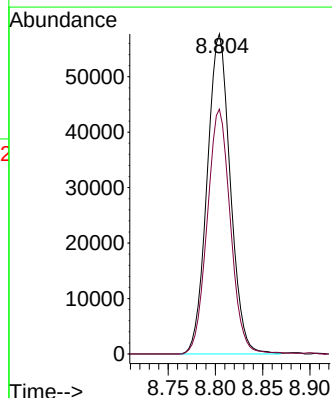
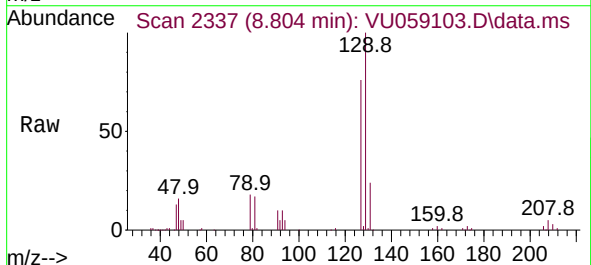
Ion	Ratio	Lower	Upper
43	100		
58	58.5	45.9	68.9
57	19.0	16.3	24.5
100	11.0	8.7	13.1

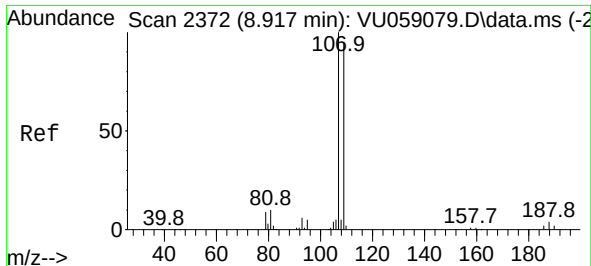


#49
Dibromochloromethane
Concen: 55.866 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion: 129 Resp: 98527

Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.3	98.9

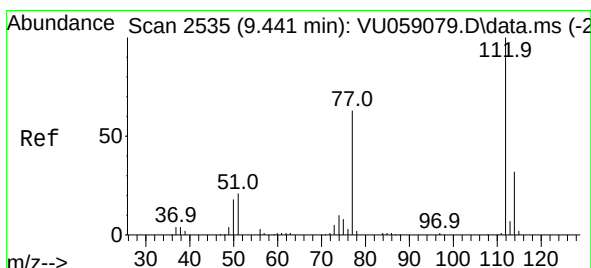
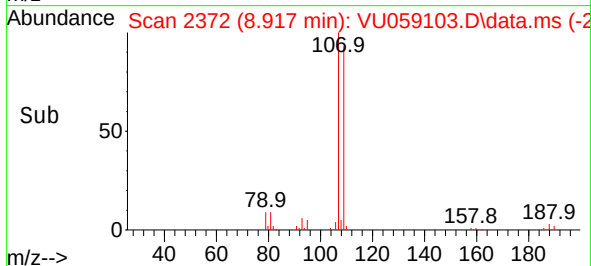
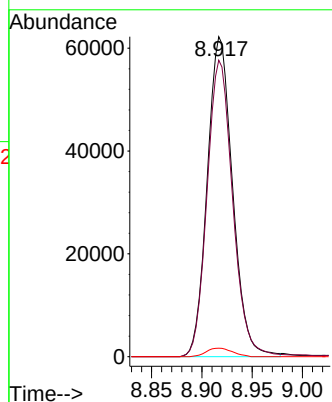
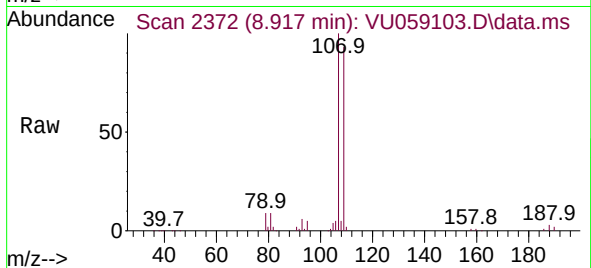




#50
1,2-Dibromoethane
Concen: 54.090 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

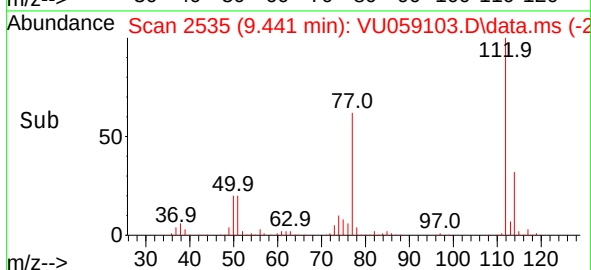
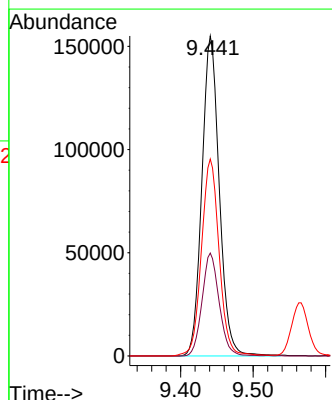
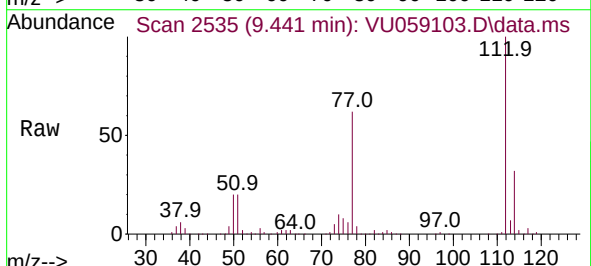
Instrument :
MSVOA_U
ClientSampleId :

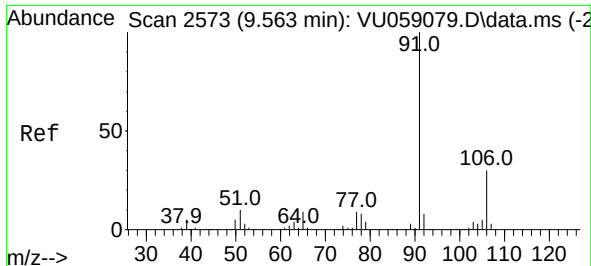
Tgt Ion:107 Resp: 108885
Ion Ratio Lower Upper
107 100
109 92.7 67.8 125.8
188 2.7 2.5 3.7



#51
Chlorobenzene
Concen: 55.812 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion:112 Resp: 258451
Ion Ratio Lower Upper
112 100
114 32.2 22.1 41.1
77 61.6 49.8 74.6

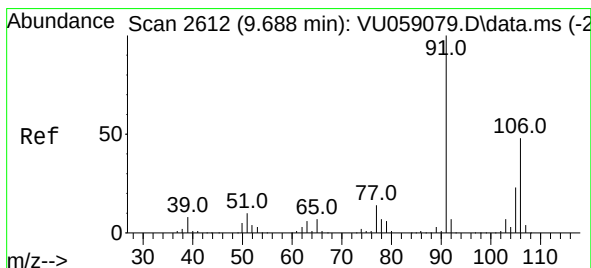
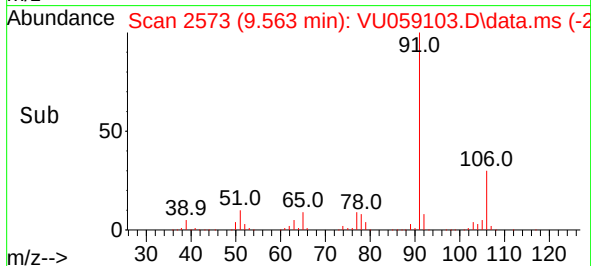
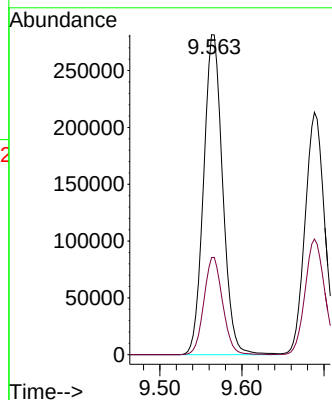
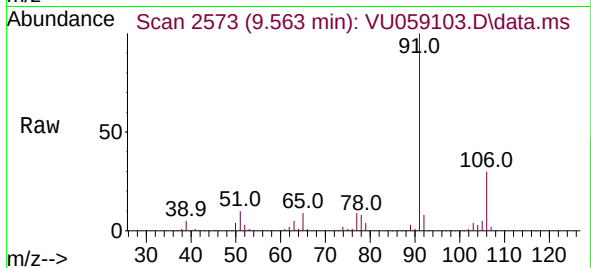




#52
Ethylbenzene
Concen: 57.567 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

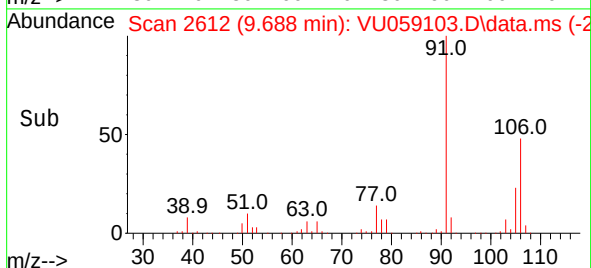
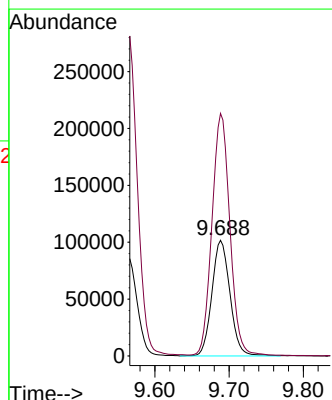
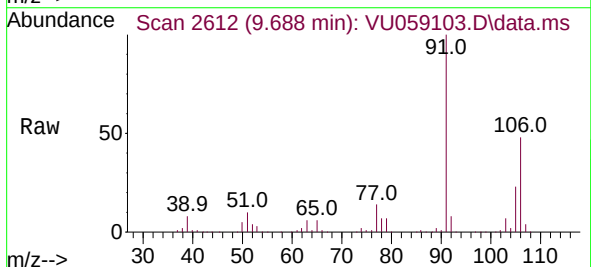
Instrument :
MSVOA_U
ClientSampleId :

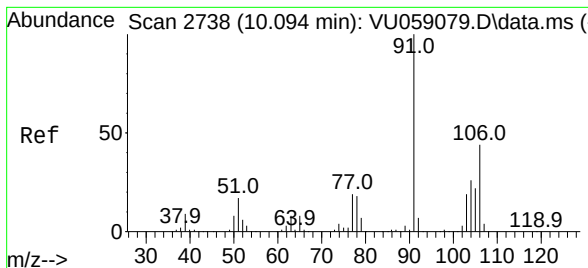
Tgt Ion: 91 Resp: 455348
Ion Ratio Lower Upper
91 100
106 30.3 21.0 39.0



#53
m,p-Xylene
Concen: 59.156 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion:106 Resp: 171971
Ion Ratio Lower Upper
106 100
91 209.6 146.4 272.0

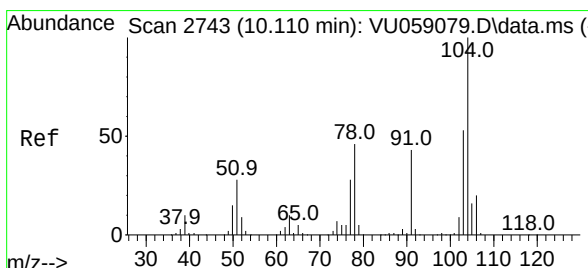
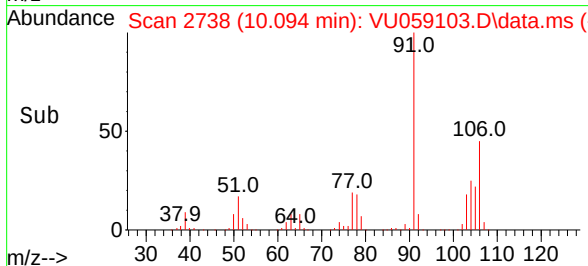
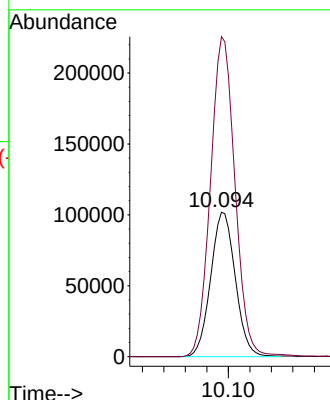
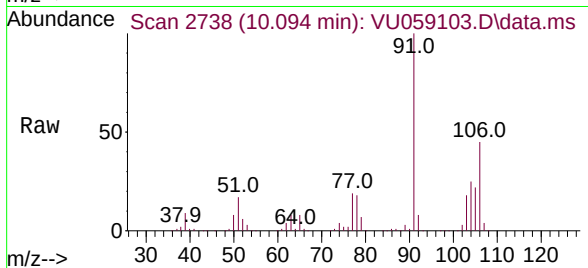




#54
o-Xylene
Concen: 57.461 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

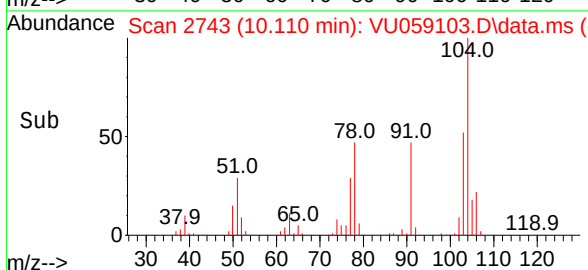
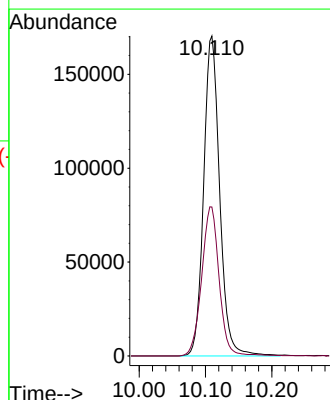
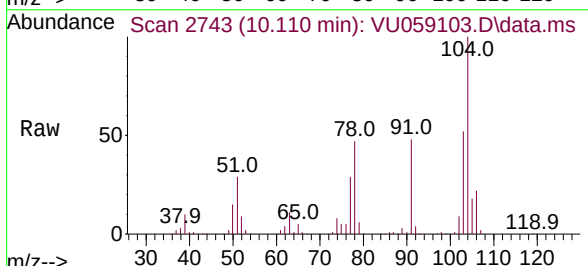
Instrument :
MSVOA_U
ClientSampleId :

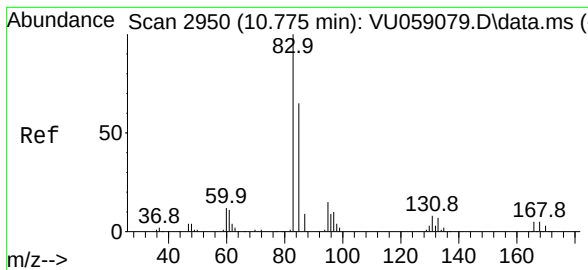
Tgt Ion:106 Resp: 161889
Ion Ratio Lower Upper
106 100
91 221.4 156.7 290.9



#55
Styrene
Concen: 59.923 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion:104 Resp: 286968
Ion Ratio Lower Upper
104 100
78 46.6 34.7 64.5

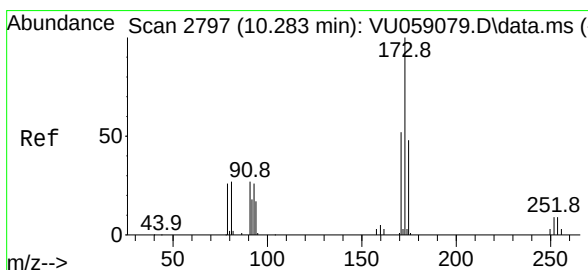
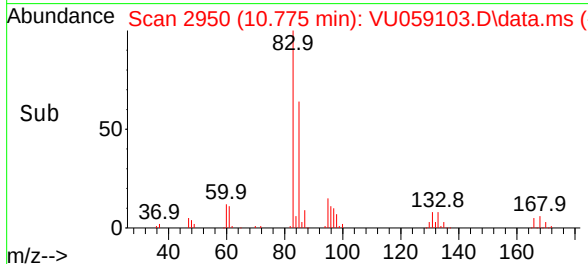
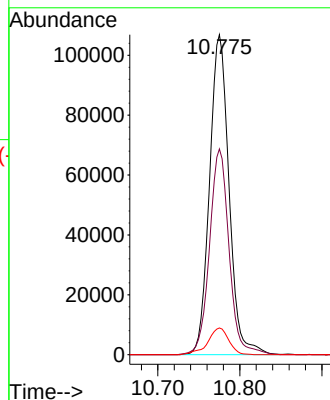
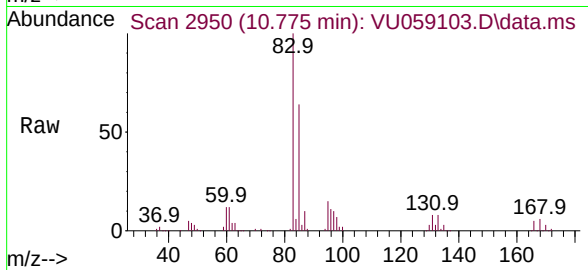




#57
1,1,2,2-Tetrachloroethane
Concen: 49.771 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

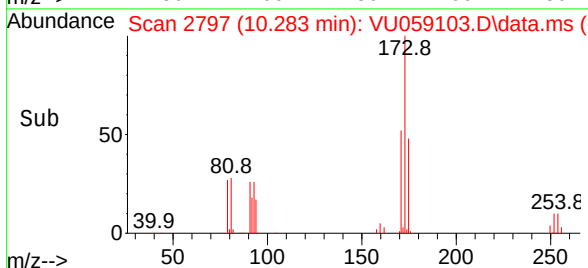
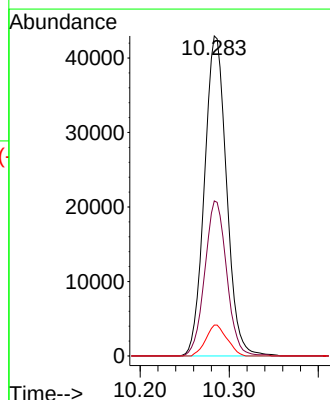
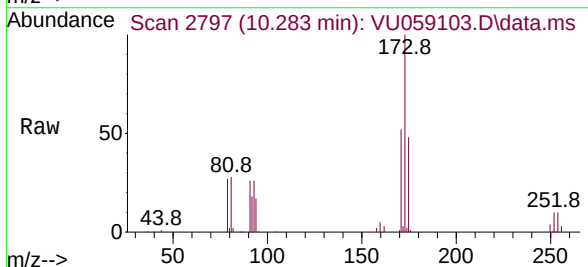
Instrument :
MSVOA_U
ClientSampleId :

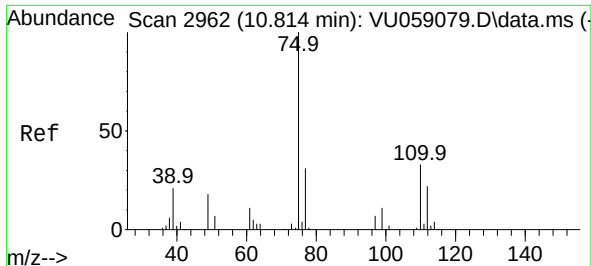
Tgt Ion: 83 Resp: 176935
Ion Ratio Lower Upper
83 100
85 64.3 46.1 85.7
131 8.3 7.0 10.4



#59
Bromoform
Concen: 52.078 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion:173 Resp: 73841
Ion Ratio Lower Upper
173 100
175 48.0 39.0 58.6
254 9.2 7.5 11.3





#60

1,2,3-Trichloropropane

Concen: 47.196 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

ClientSampleId :

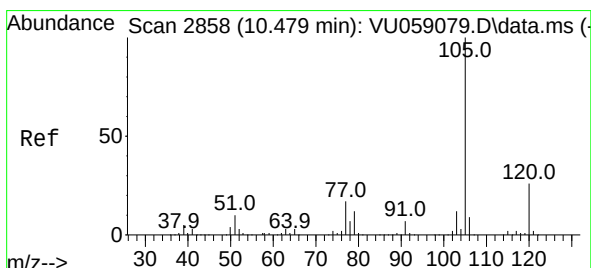
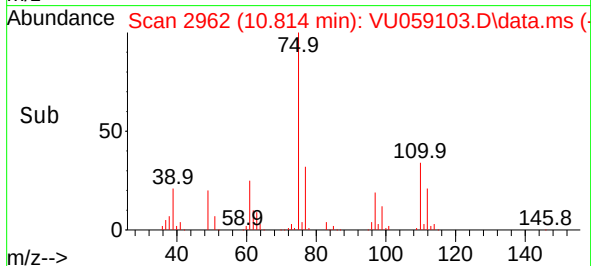
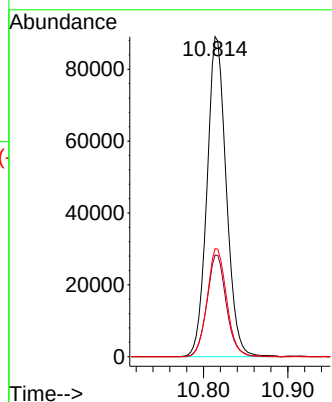
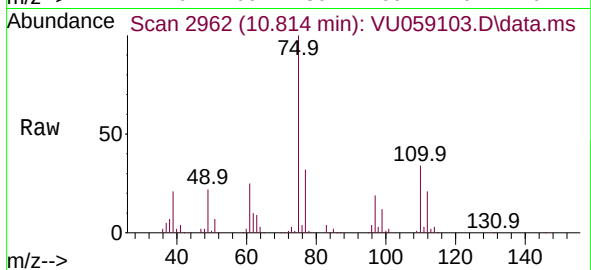
Tgt Ion: 75 Resp: 141930

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

110 34.1 28.4 42.6



#61

Isopropylbenzene

Concen: 57.142 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

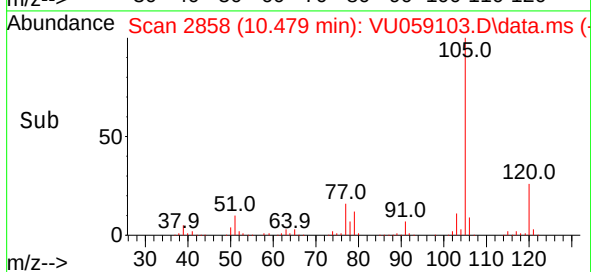
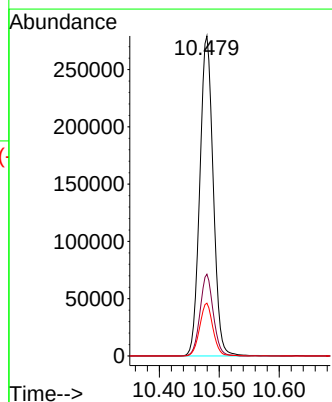
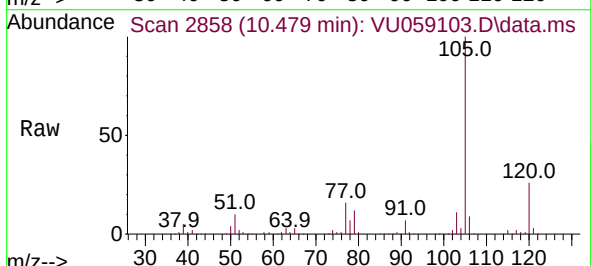
Tgt Ion:105 Resp: 434739

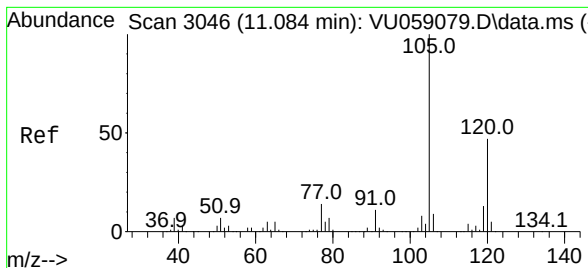
Ion Ratio Lower Upper

105 100

120 25.2 20.3 30.5

77 16.4 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 56.565 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

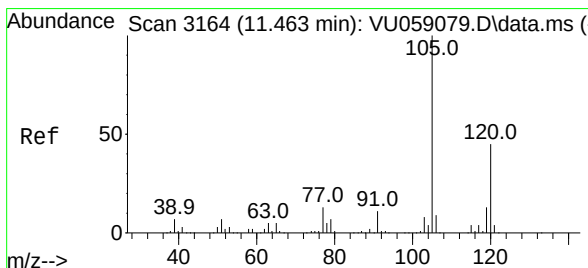
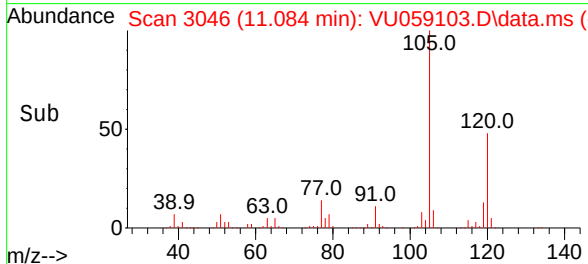
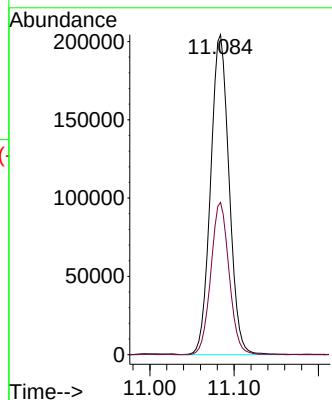
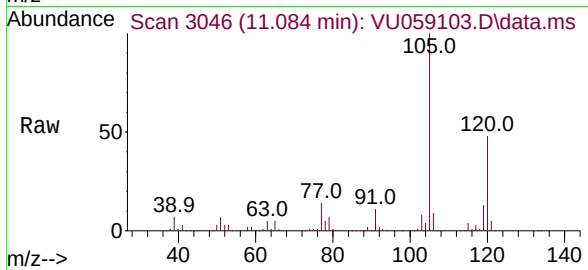
ClientSampleId :

Tgt Ion:105 Resp: 311802

Ion Ratio Lower Upper

105 100

120 46.9 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 57.966 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU059103.D

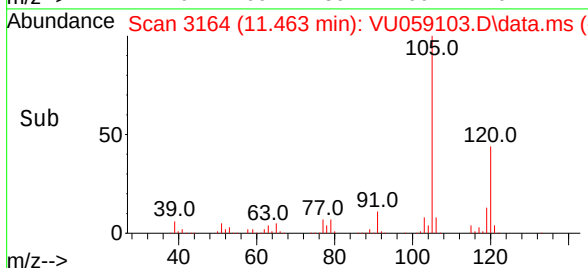
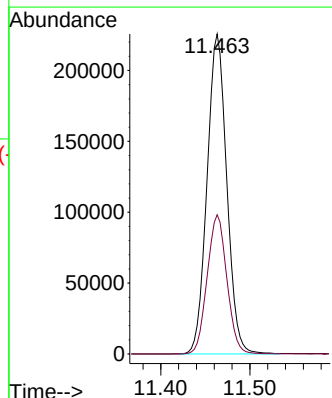
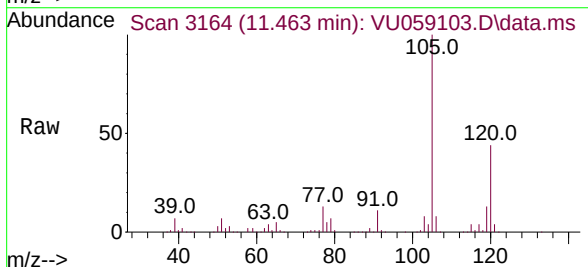
Acq: 31 May 2024 09:05

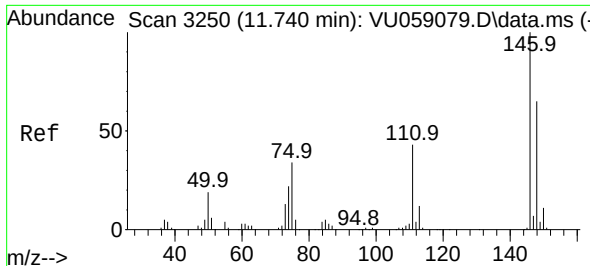
Tgt Ion:105 Resp: 346380

Ion Ratio Lower Upper

105 100

120 43.5 35.0 52.6

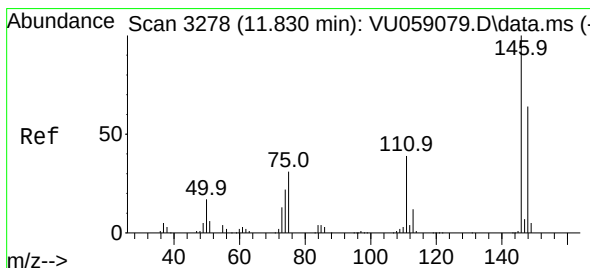
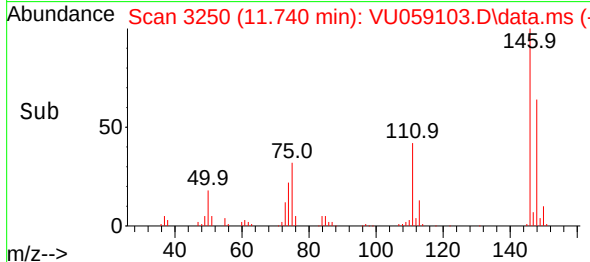
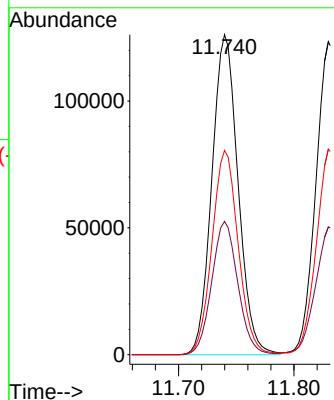
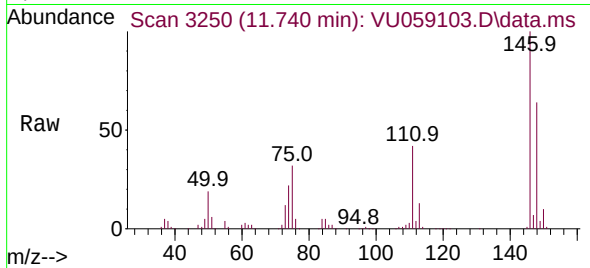




#64
1,3-Dichlorobenzene
Concen: 55.792 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

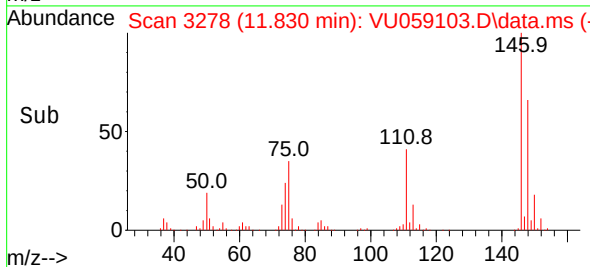
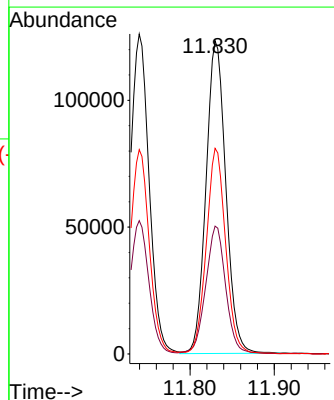
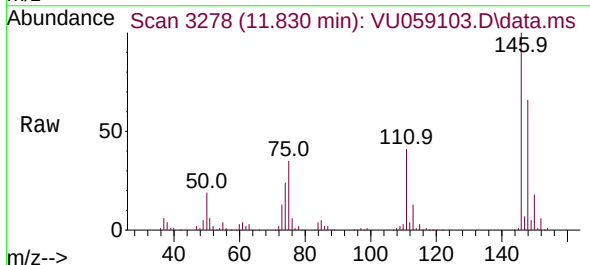
Instrument :
MSVOA_U
ClientSampleId :

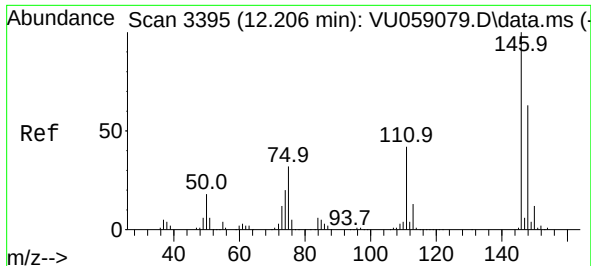
Tgt Ion:146 Resp: 198385
Ion Ratio Lower Upper
146 100
111 41.7 28.7 53.3
148 63.9 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 54.901 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion:146 Resp: 201614
Ion Ratio Lower Upper
146 100
111 40.8 27.9 51.9
148 65.6 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 52.142 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

ClientSampleId :

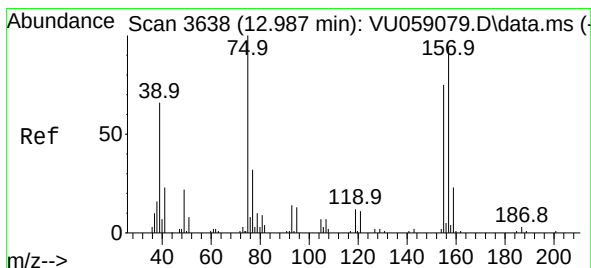
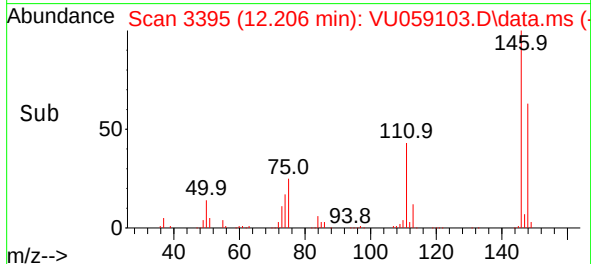
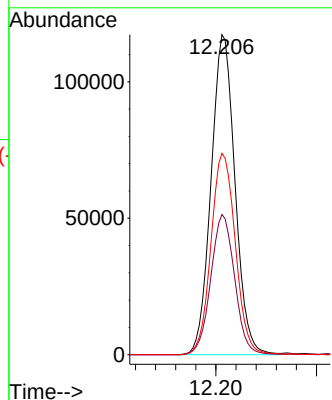
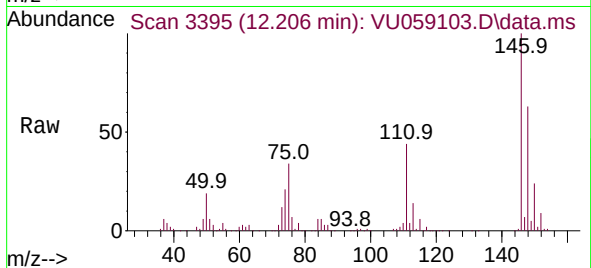
Tgt Ion:146 Resp: 193785

Ion Ratio Lower Upper

146 100

111 43.8 33.4 50.2

148 62.9 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 49.425 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

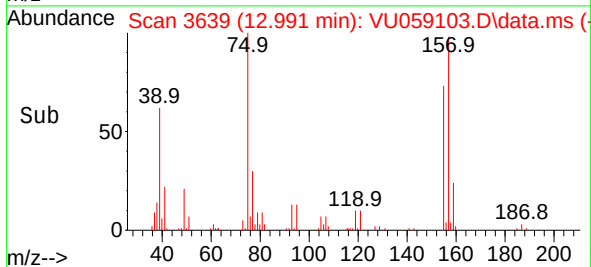
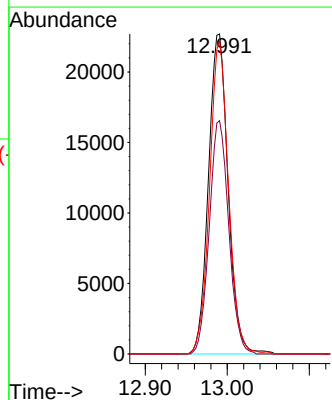
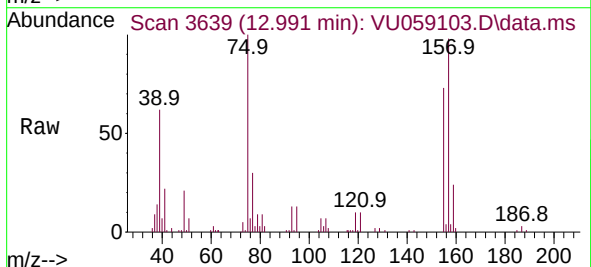
Tgt Ion: 75 Resp: 37681

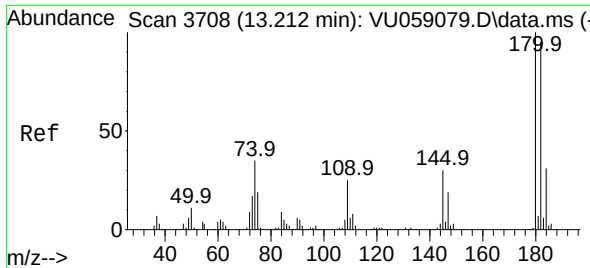
Ion Ratio Lower Upper

75 100

155 72.9 57.5 86.3

157 101.7 73.4 110.2





#69

1,3,5-Trichlorobenzene

Concen: 56.234 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

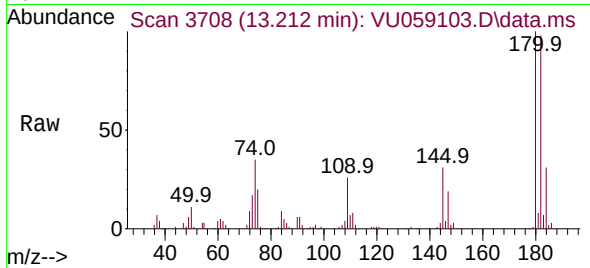
Lab File: VU059103.D

Acq: 31 May 2024 09:05

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 132058

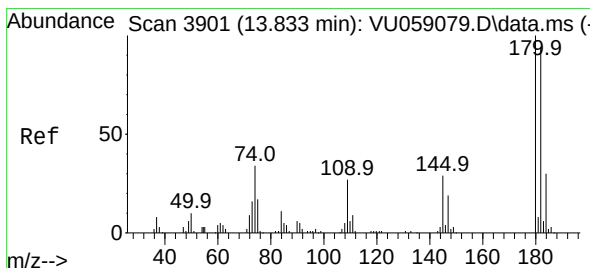
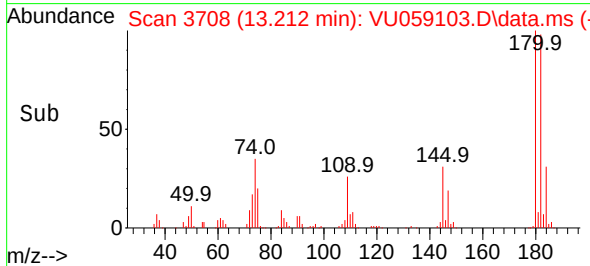
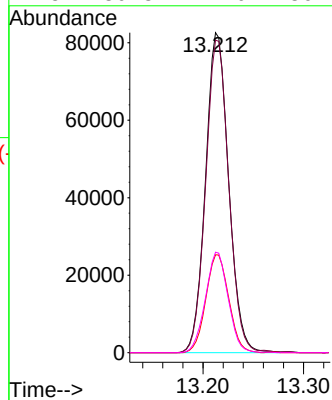
Ion Ratio Lower Upper

180 100

182 97.2 75.6 113.4

184 30.3 24.2 36.2

145 30.8 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 60.752 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU059103.D

Acq: 31 May 2024 09:05

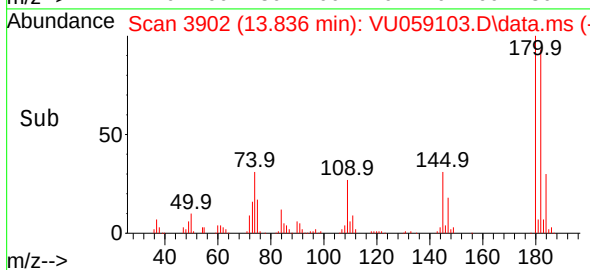
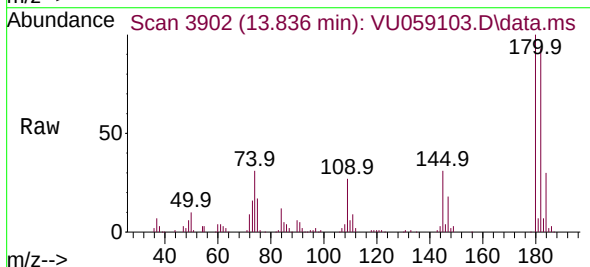
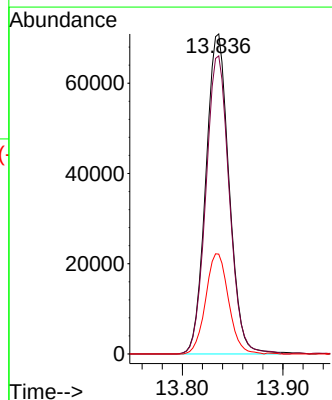
Tgt Ion:180 Resp: 113948

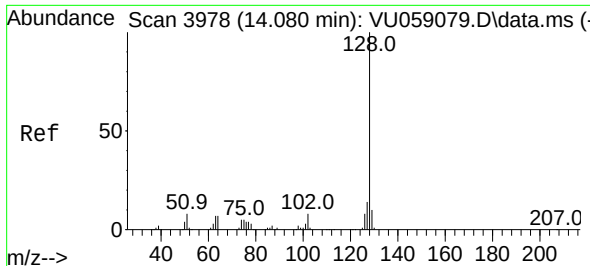
Ion Ratio Lower Upper

180 100

182 93.8 77.4 116.2

145 30.8 24.8 37.2

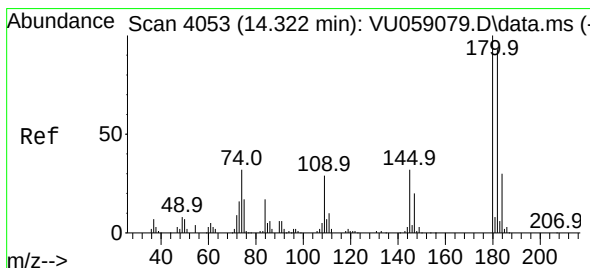
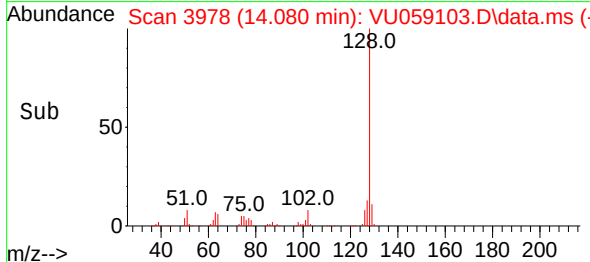
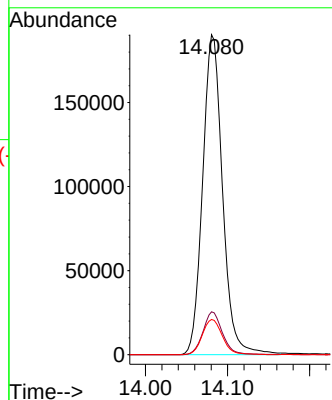
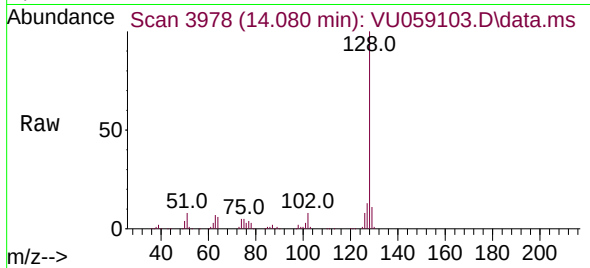




#71
Naphthalene
Concen: 53.990 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	320531
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 60.645 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU059103.D
Acq: 31 May 2024 09:05

Tgt Ion:	180	Resp:	115642
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.2	114.4
145	31.4	26.4	39.6

