

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052924\
 Data File : VU059051.D
 Acq On : 29 May 2024 14:40
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 00:29:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 00:25:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	195670	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	192972	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	96153	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	55587	47.447	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.900%
7) Chloroethane-d5	1.872	69	51706	51.522	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.040%
11) 1,1-Dichloroethene-d2	2.551	63	108786	47.043	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.080%
21) 2-Butanone-d5	4.615	46	124274	112.540	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.540%
24) Chloroform-d	5.052	84	122643	52.586	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.180%
26) 1,2-Dichloroethane-d4	5.689	65	77573	54.267	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.540%
32) Benzene-d6	5.718	84	230662	52.080	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.160%
36) 1,2-Dichloropropane-d6	6.682	67	78350	51.306	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.620%
41) Toluene-d8	7.891	98	194650	51.771	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.540%
43) trans-1,3-Dichloroprop...	8.174	79	34223	55.441	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.880%
47) 2-Hexanone-d5	8.631	63	82577	116.935	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.930%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	144712	55.992	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.980%
66) 1,2-Dichlorobenzene-d4	12.187	152	78003	54.360	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	87836	44.304	ug/L	98
3) Chloromethane	1.515	50	104340	45.537	ug/L	100
5) Vinyl chloride	1.599	62	100814	44.776	ug/L	98
6) Bromomethane	1.824	94	84726	47.037	ug/L	100
8) Chloroethane	1.895	64	68503	48.791	ug/L	98
9) Trichlorofluoromethane	2.110	101	118206	45.117	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	66844	43.850	ug/L	98
12) 1,1-Dichloroethene	2.563	96	65055	47.053	ug/L	93
13) Acetone	2.618	43	101815	78.442	ug/L	99
14) Carbon disulfide	2.776	76	214571	46.081	ug/L	100
15) Methyl Acetate	2.936	43	106363	51.733	ug/L	97
16) Methylene chloride	3.030	84	91315	48.812	ug/L	98
17) trans-1,2-Dichloroethene	3.338	96	71703	48.049	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	250643	51.707	ug/L	99
19) 1,1-Dichloroethane	3.853	63	155062	48.477	ug/L	96
20) cis-1,2-Dichloroethene	4.653	96	84953	49.958	ug/L	98
22) 2-Butanone	4.695	43	146115	92.982	ug/L	99
23) Bromochloromethane	4.962	128	42482	49.320	ug/L	97
25) Chloroform	5.075	83	152098	49.108	ug/L	98

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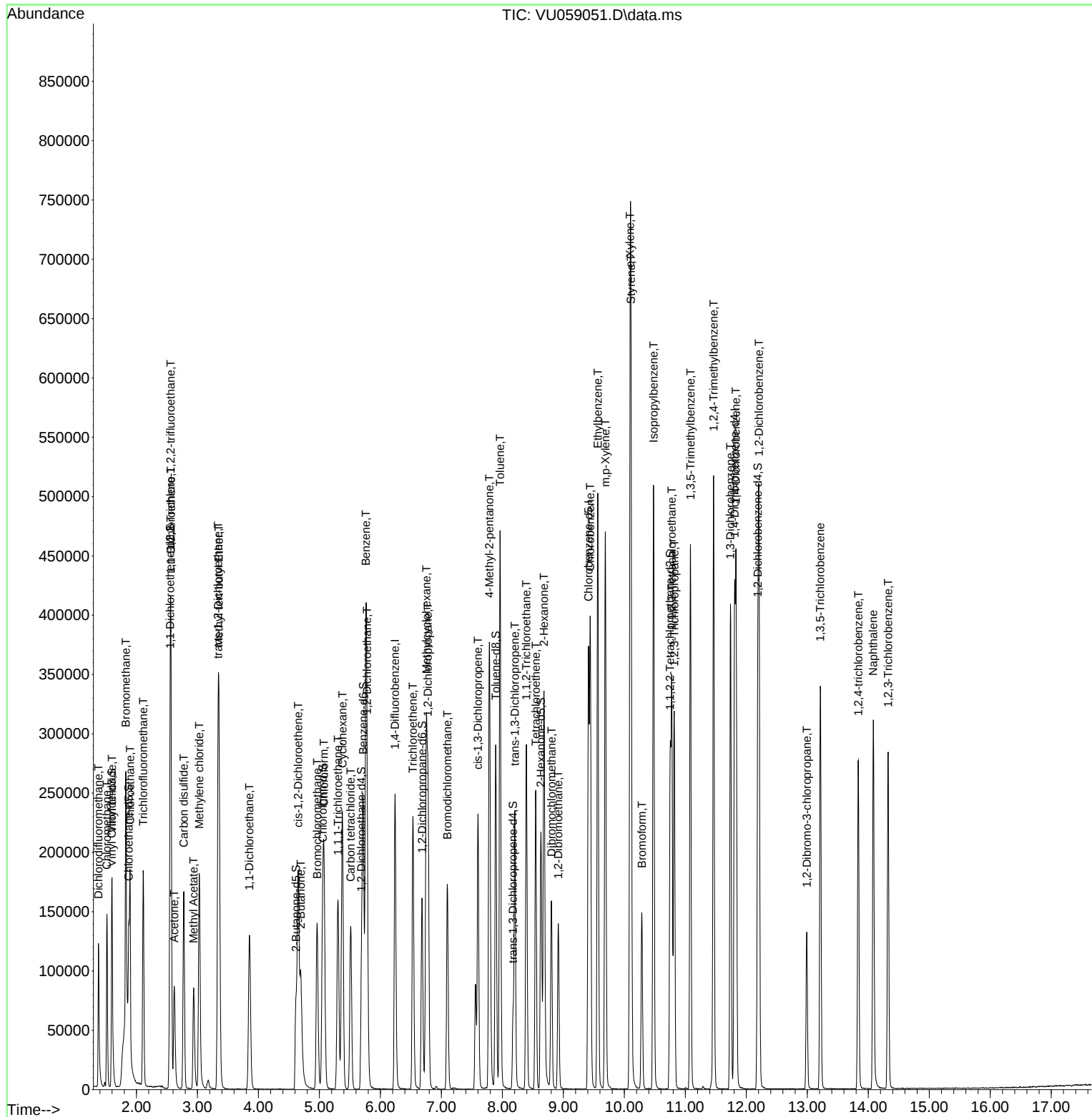
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	130803	49.992	ug/L	99
29) Cyclohexane	5.377	56	118021	45.811	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	115518	46.041	ug/L	99
31) Carbon tetrachloride	5.512	117	92564	45.419	ug/L	100
33) Benzene	5.763	78	341846	49.059	ug/L	100
34) Trichloroethene	6.531	95	81203	47.593	ug/L	98
35) Methylcyclohexane	6.753	83	117298	46.757	ug/L	98
37) 1,2-Dichloropropane	6.779	63	98662	49.863	ug/L	99
38) Bromodichloromethane	7.097	83	113576	49.278	ug/L	98
39) cis-1,3-Dichloropropene	7.599	75	139343	50.898	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	280527	108.144	ug/L	99
42) Toluene	7.962	91	343037	49.044	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	129130	52.101	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	91613	51.496	ug/L	99
46) Tetrachloroethene	8.547	164	52566	46.254	ug/L	93
48) 2-Hexanone	8.682	43	233645	106.796	ug/L	99
49) Dibromochloromethane	8.804	129	82598	51.375	ug/L	99
50) 1,2-Dibromoethane	8.917	107	92980	50.667	ug/L	95
51) Chlorobenzene	9.441	112	205195	48.607	ug/L	99
52) Ethylbenzene	9.563	91	354648	49.183	ug/L	98
53) m,p-Xylene	9.689	106	129720	48.948	ug/L	98
54) o-Xylene	10.094	106	130693	50.886	ug/L	97
55) Styrene	10.110	104	230301	52.752	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	174614	53.880	ug/L	100
59) Bromoform	10.287	173	65863	52.243	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	136879	51.191	ug/L	98
61) Isopropylbenzene	10.479	105	331338	48.981	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	244559	49.897	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	275583	51.868	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	157515	49.821	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	164439	50.361	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	169197	51.202	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	34975	51.595	ug/L	95
69) 1,3,5-Trichlorobenzene	13.213	180	101535	48.627	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	82146	49.257	ug/L	97
71) Naphthalene	14.081	128	258360	48.944	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	85290	50.304	ug/L	99

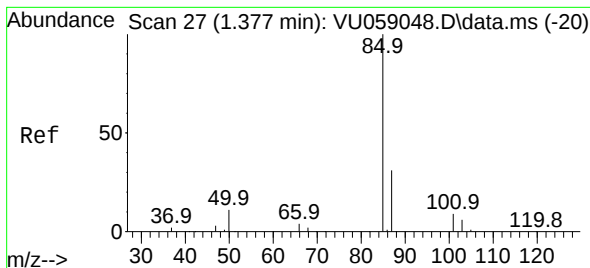
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#2

Dichlorodifluoromethane

Concen: 44.304 ug/L

RT: 1.377 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

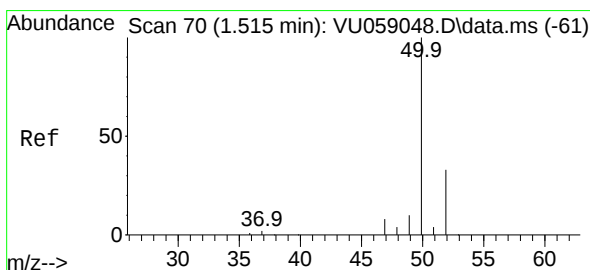
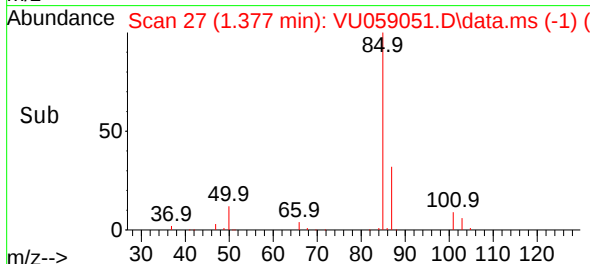
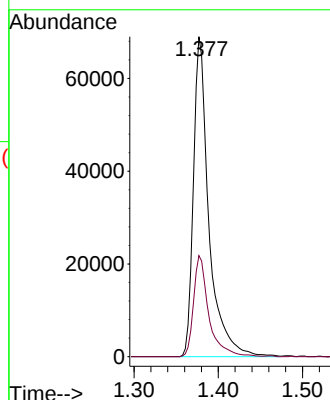
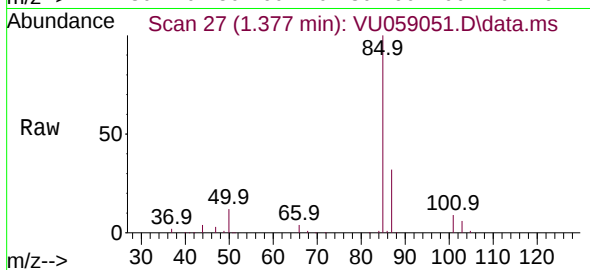
ClientSampleId :

Tgt Ion: 85 Resp: 87836

Ion Ratio Lower Upper

85 100

87 30.9 25.4 38.2



#3

Chloromethane

Concen: 45.537 ug/L

RT: 1.515 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU059051.D

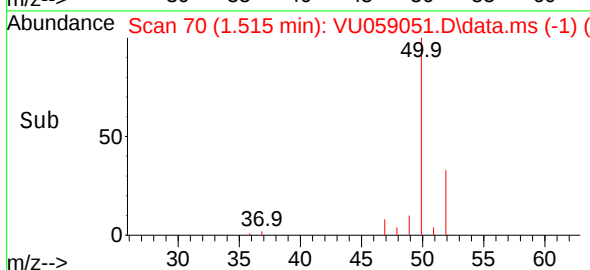
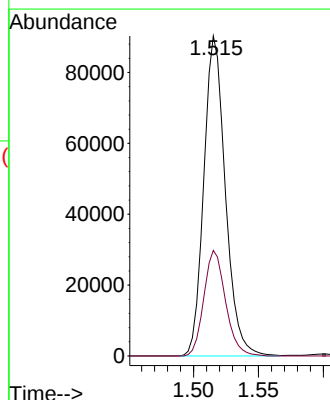
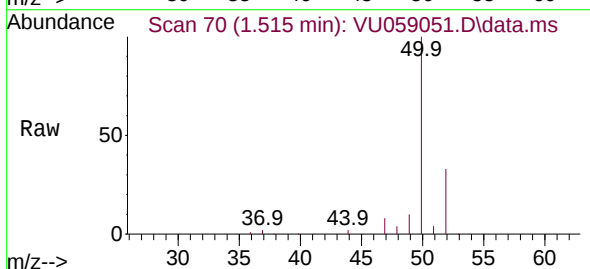
Acq: 29 May 2024 14:40

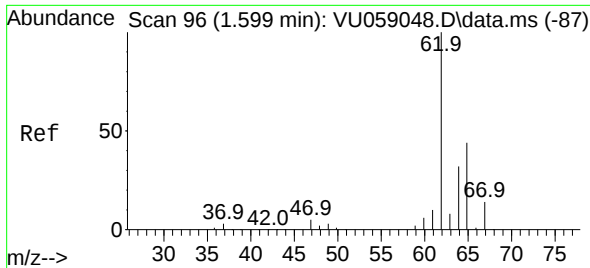
Tgt Ion: 50 Resp: 104340

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.2

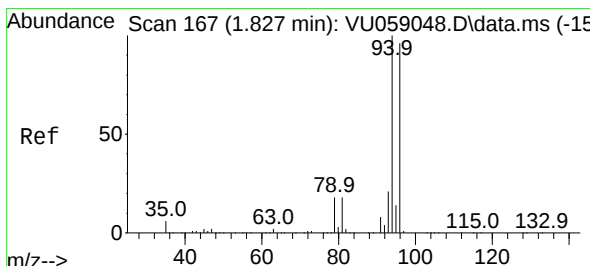
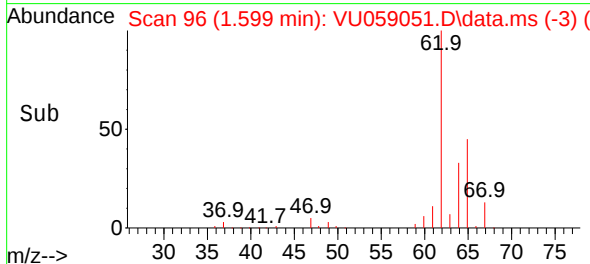
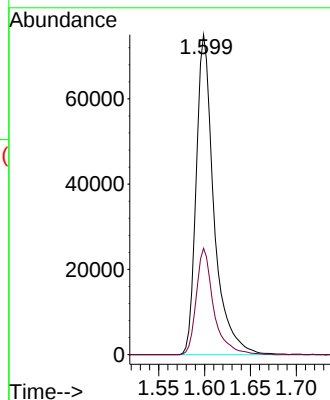
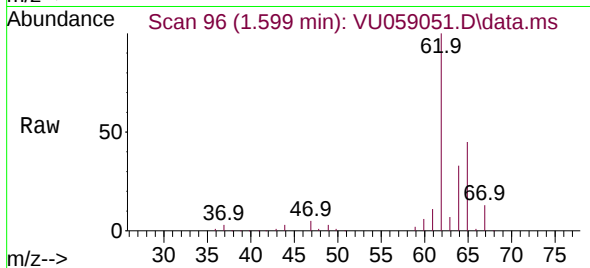




#5
 Vinyl chloride
 Concen: 44.776 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU059051.D
 Acq: 29 May 2024 14:40

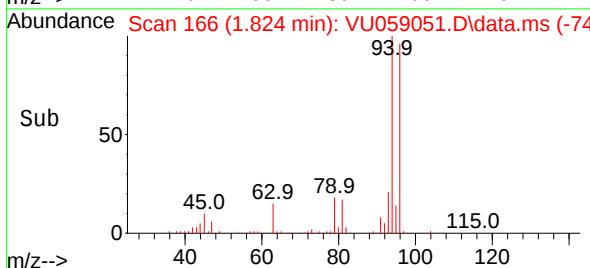
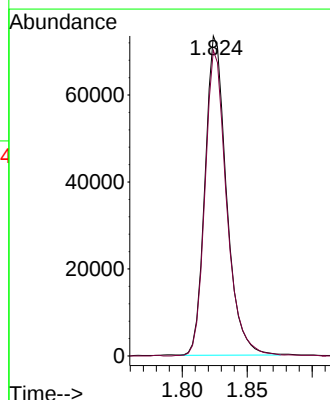
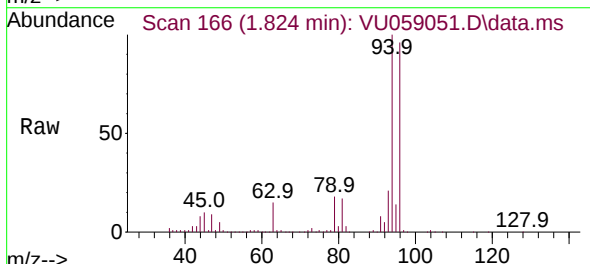
Instrument :
 MSVOA_U
 ClientSampleId :

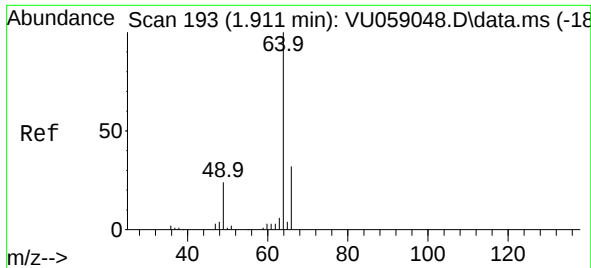
Tgt Ion: 62 Resp: 100814
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.5 41.7



#6
 Bromomethane
 Concen: 47.037 ug/L
 RT: 1.824 min Scan# 166
 Delta R.T. -0.003 min
 Lab File: VU059051.D
 Acq: 29 May 2024 14:40

Tgt Ion: 94 Resp: 84726
 Ion Ratio Lower Upper
 94 100
 96 95.5 67.1 124.7

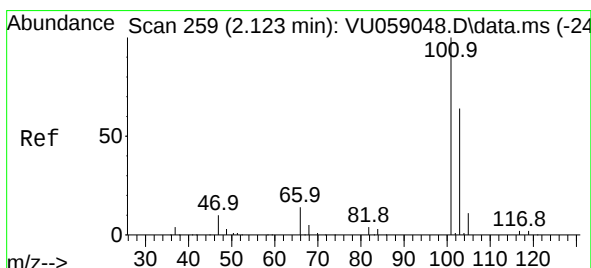
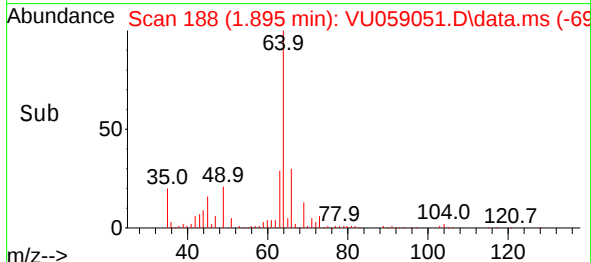
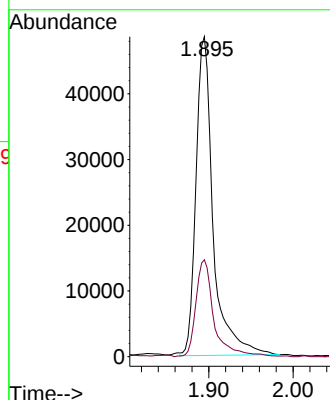
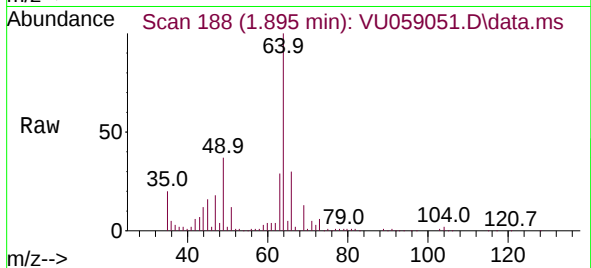




#8
Chloroethane
Concen: 48.791 ug/L
RT: 1.895 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

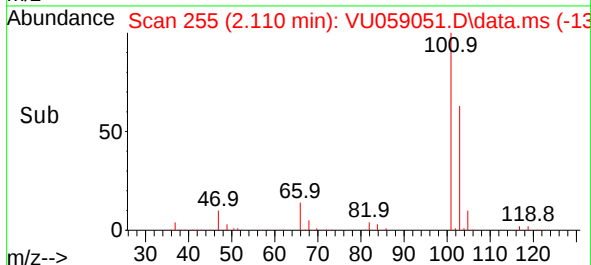
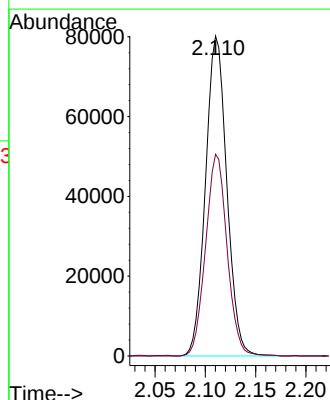
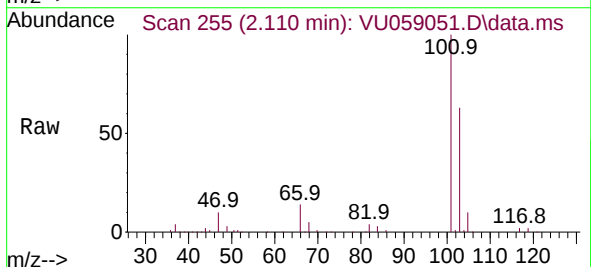
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MSVOA_U
ClientSampleId :

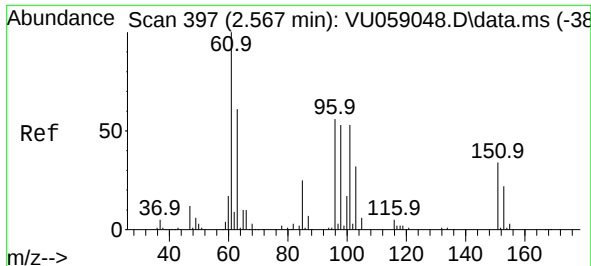
Tgt Ion: 64 Resp: 68503
Ion Ratio Lower Upper
64 100
66 30.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 45.117 ug/L
RT: 2.110 min Scan# 255
Delta R.T. -0.013 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

Tgt Ion:101 Resp: 118206
Ion Ratio Lower Upper
101 100
103 63.6 51.8 77.6

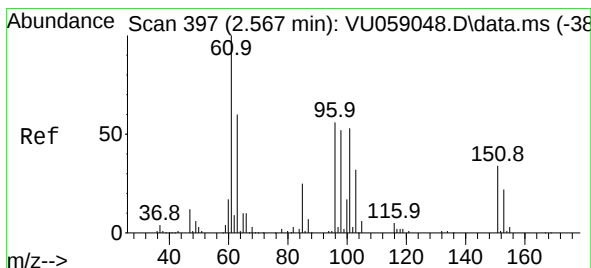
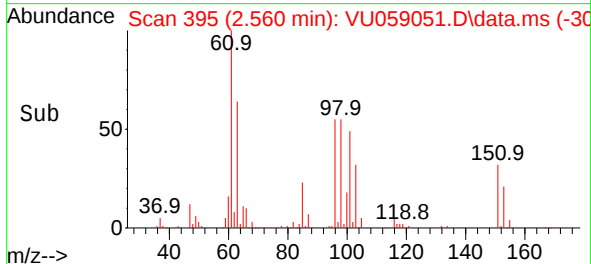
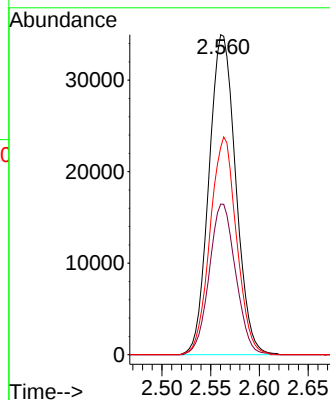
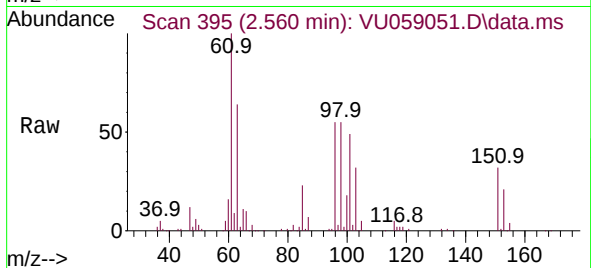




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.850 ug/L
RT: 2.560 min Scan# 395
Delta R.T. -0.006 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

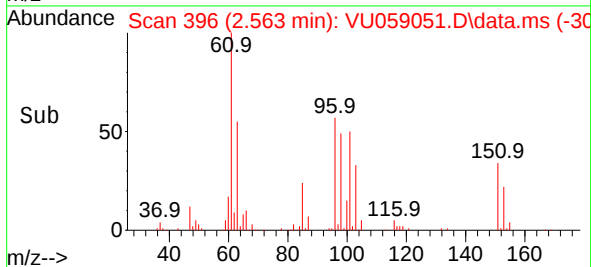
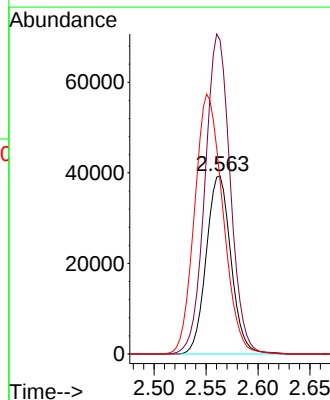
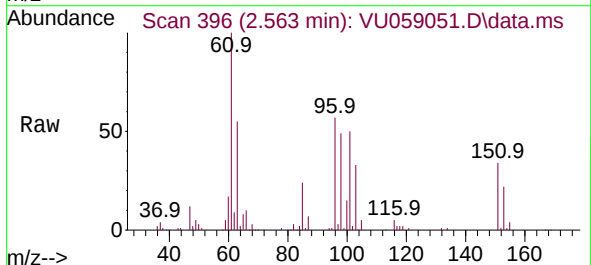
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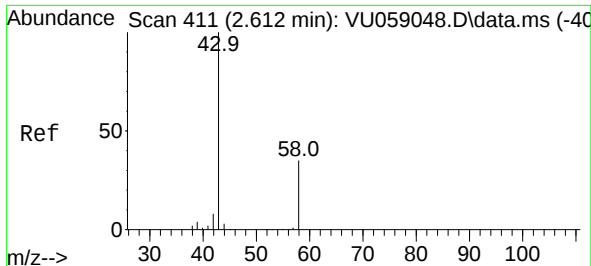
Tgt Ion:101 Resp: 66844
Ion Ratio Lower Upper
101 100
85 46.4 36.7 55.1
151 67.2 52.2 78.2



#12
1,1-Dichloroethene
Concen: 47.053 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.003 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

Tgt Ion: 96 Resp: 65055
Ion Ratio Lower Upper
96 100
61 176.2 126.3 234.6
63 97.4 78.7 146.1





#13

Acetone

Concen: 78.442 ug/L

RT: 2.618 min Scan# 411

Delta R.T. 0.006 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

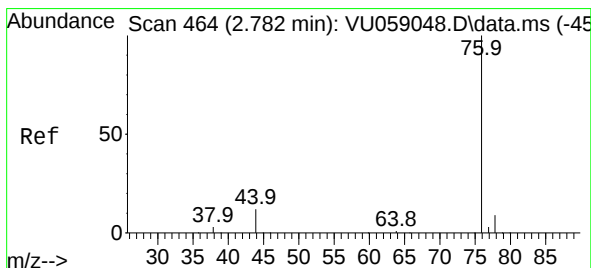
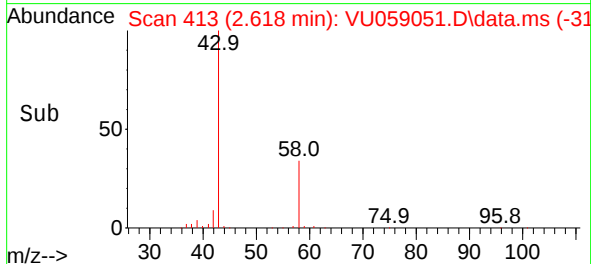
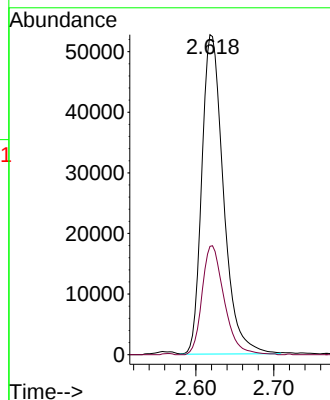
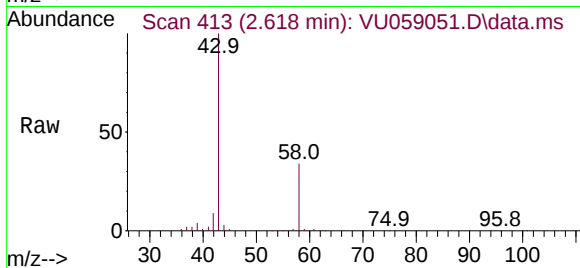
ClientSampleId :

Tgt Ion: 43 Resp: 101815

Ion Ratio Lower Upper

43 100

58 34.7 0.0 68.8



#14

Carbon disulfide

Concen: 46.081 ug/L

RT: 2.776 min Scan# 462

Delta R.T. -0.006 min

Lab File: VU059051.D

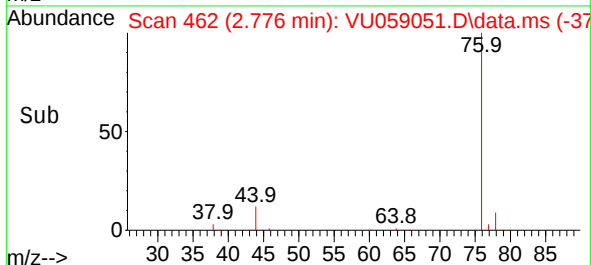
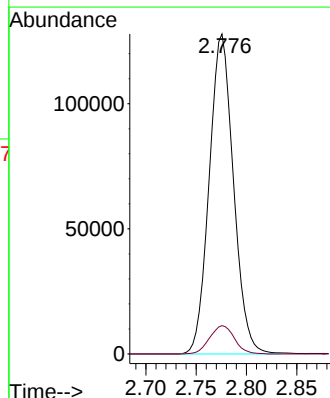
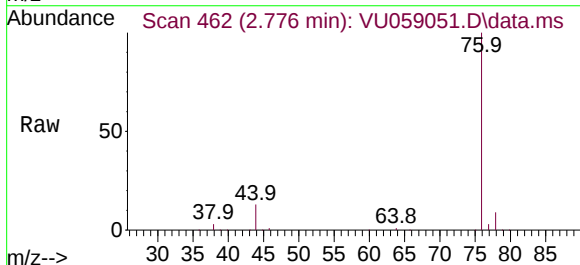
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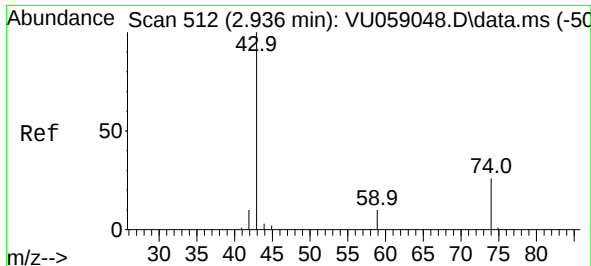
Tgt Ion: 76 Resp: 214571

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8





#15

Methyl Acetate

Concen: 51.733 ug/L

RT: 2.936 min Scan# 51

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

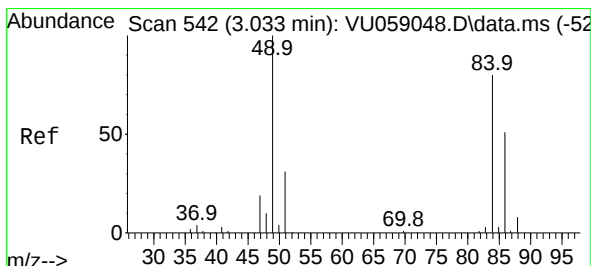
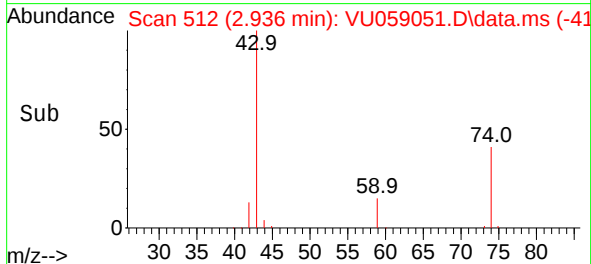
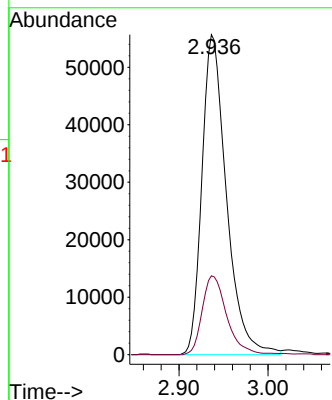
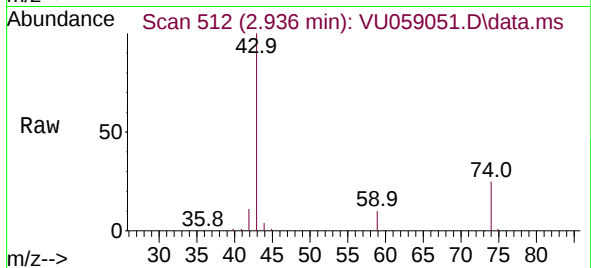
ClientSampleId :

Tgt Ion: 43 Resp: 106363

Ion Ratio Lower Upper

43 100

74 24.5 20.8 31.2



#16

Methylene chloride

Concen: 48.812 ug/L

RT: 3.030 min Scan# 541

Delta R.T. -0.003 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

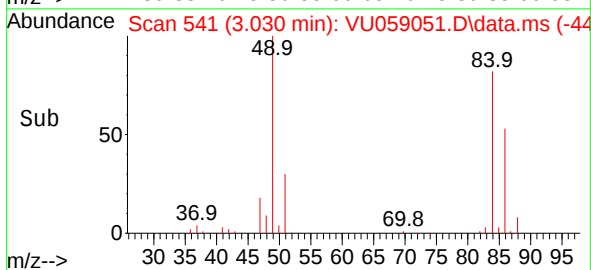
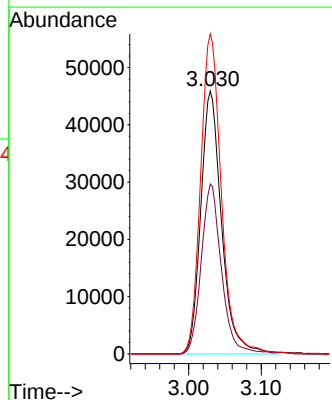
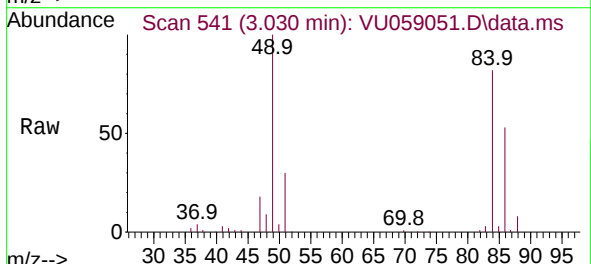
Tgt Ion: 84 Resp: 91315

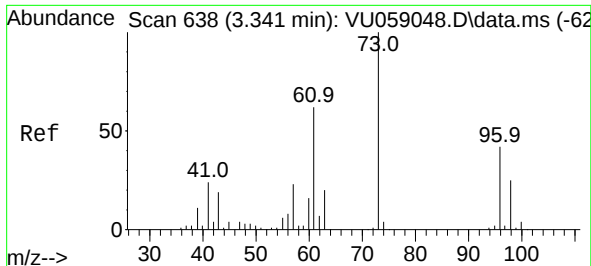
Ion Ratio Lower Upper

84 100

86 64.6 44.9 83.3

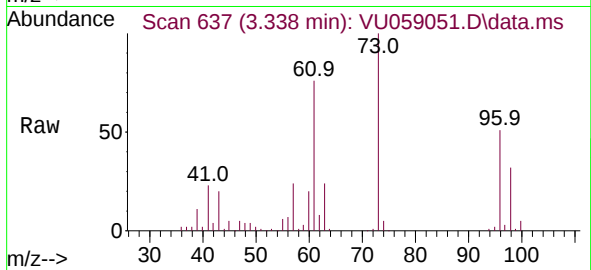
49 121.7 87.5 162.5



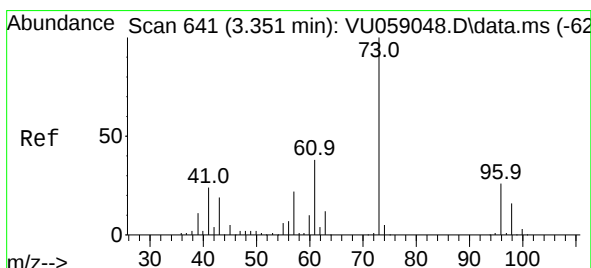
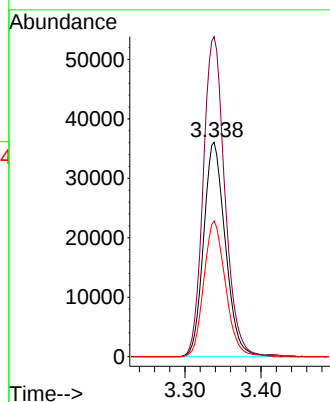
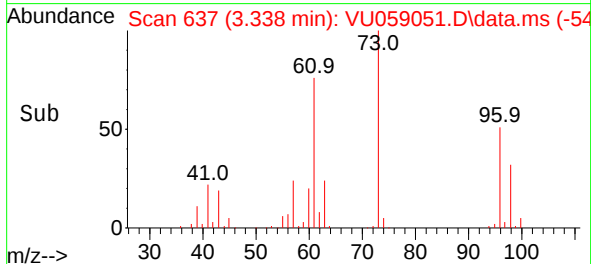


#17
trans-1,2-Dichloroethene
Concen: 48.049 ug/L
RT: 3.338 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

Instrument :
MSVOA_U
ClientSampleId :

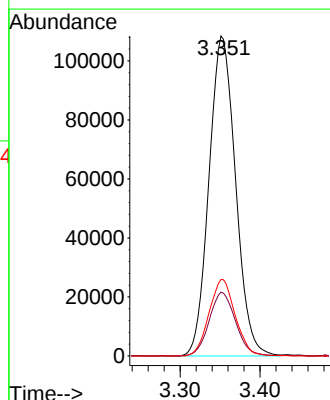
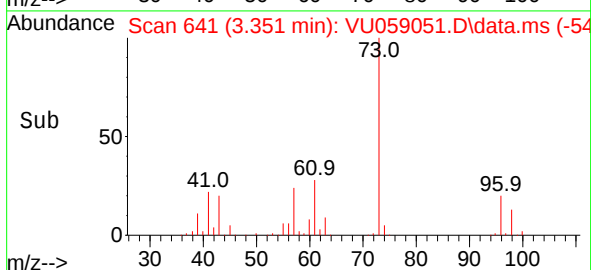
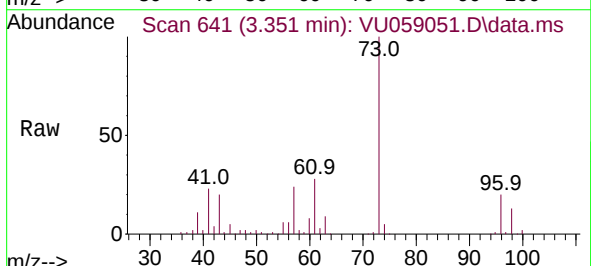


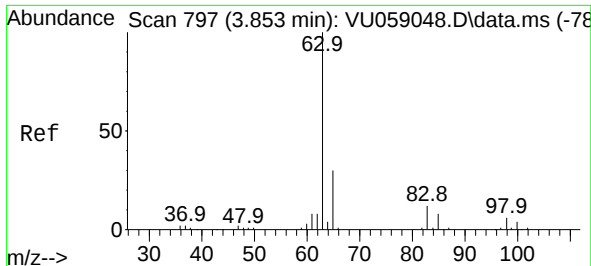
Tgt Ion: 96 Resp: 71703
Ion Ratio Lower Upper
96 100
61 149.3 103.5 192.3
98 63.3 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 51.707 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

Tgt Ion: 73 Resp: 250643
Ion Ratio Lower Upper
73 100
43 19.8 15.6 23.4
57 23.5 18.6 28.0





#19

1,1-Dichloroethane

Concen: 48.477 ug/L

RT: 3.853 min Scan# 797

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

ClientSampleId :

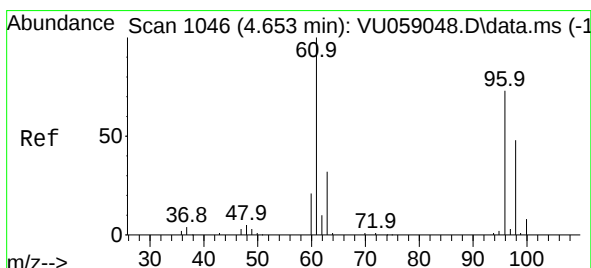
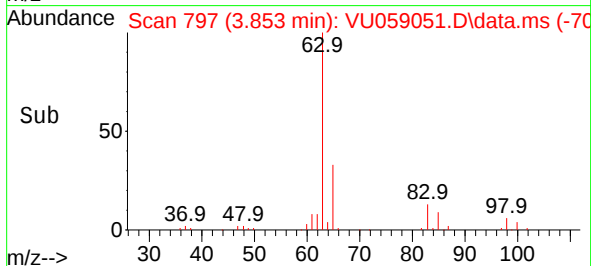
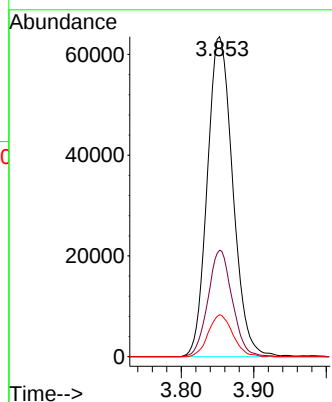
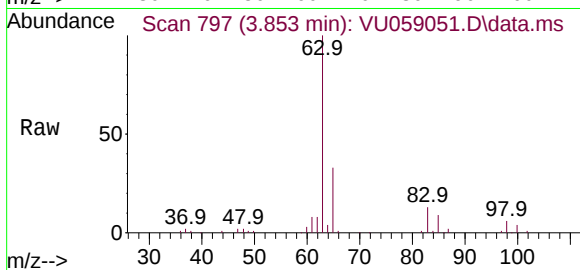
Tgt Ion: 63 Resp: 155062

Ion Ratio Lower Upper

63 100

65 33.2 21.3 39.5

83 13.1 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 49.958 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

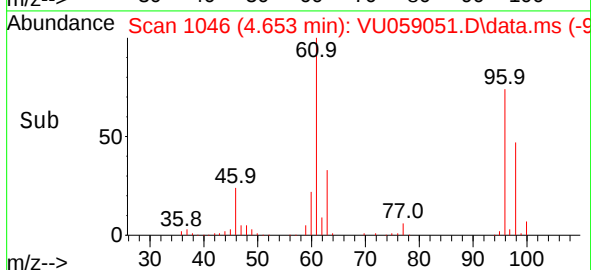
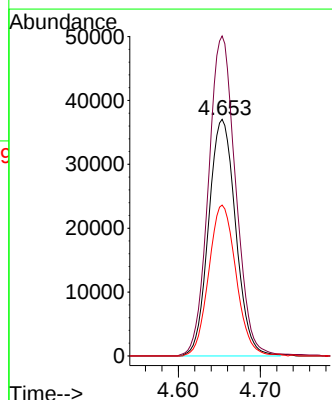
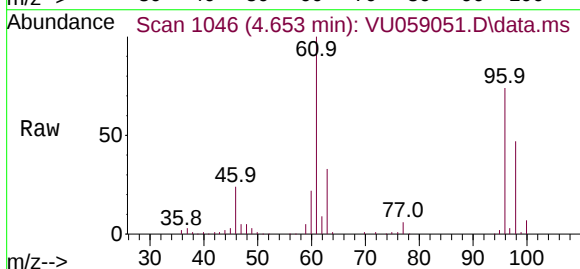
Tgt Ion: 96 Resp: 84953

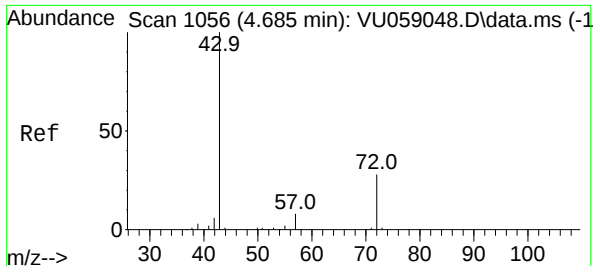
Ion Ratio Lower Upper

96 100

61 135.2 96.2 178.6

98 63.8 45.6 84.6

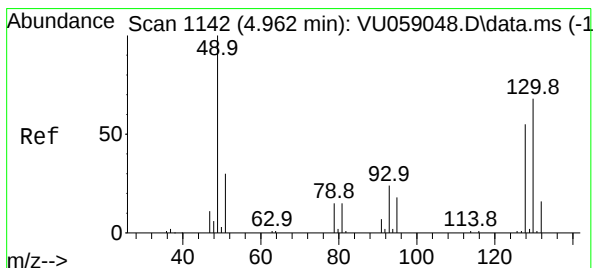
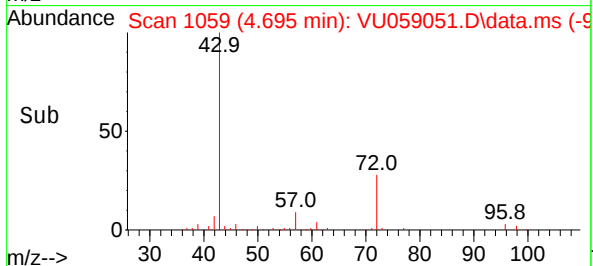
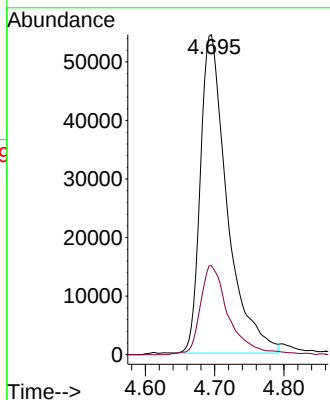
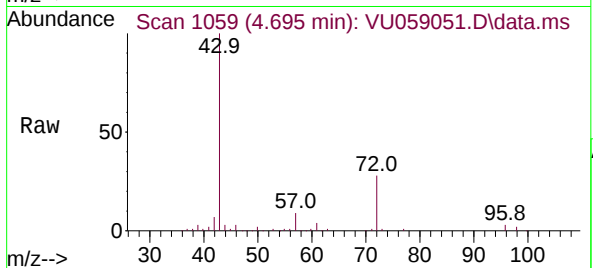




#22
2-Butanone
Concen: 92.982 ug/L
RT: 4.695 min Scan# 1056
Delta R.T. 0.010 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

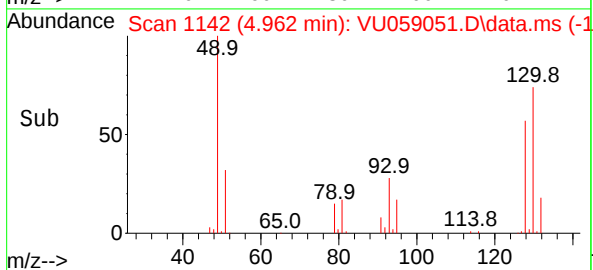
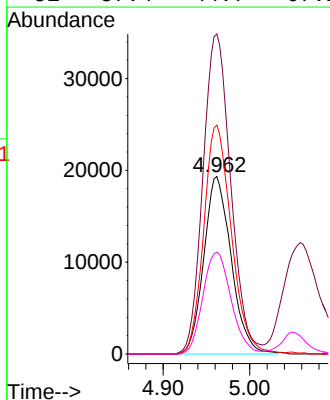
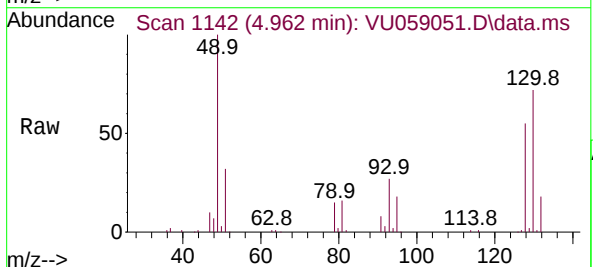
Instrument :
MSVOA_U
ClientSampleId :

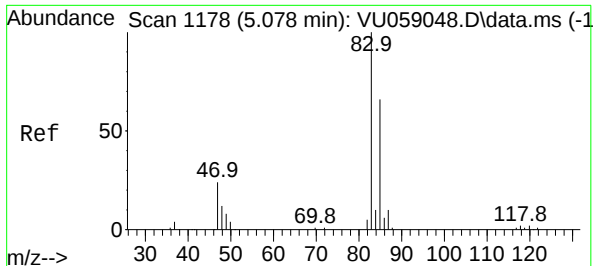
Tgt Ion: 43 Resp: 146115
Ion Ratio Lower Upper
43 100
72 28.9 14.2 42.8



#23
Bromochloromethane
Concen: 49.320 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

Tgt Ion:128 Resp: 42482
Ion Ratio Lower Upper
128 100
49 180.4 128.4 238.4
130 129.0 86.9 161.3
51 57.4 44.7 67.1





#25

Chloroform

Concen: 49.108 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

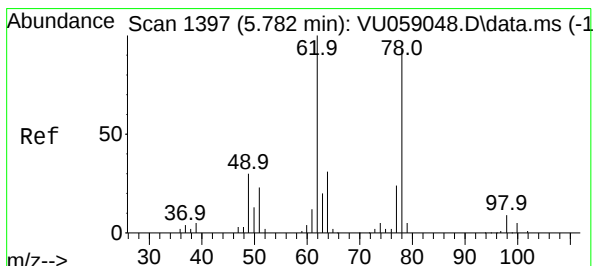
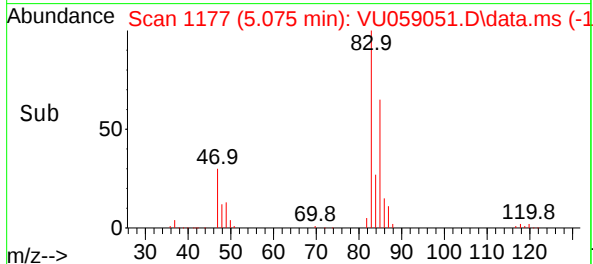
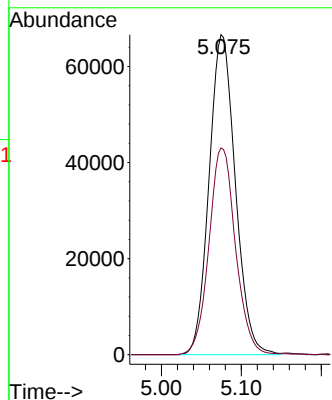
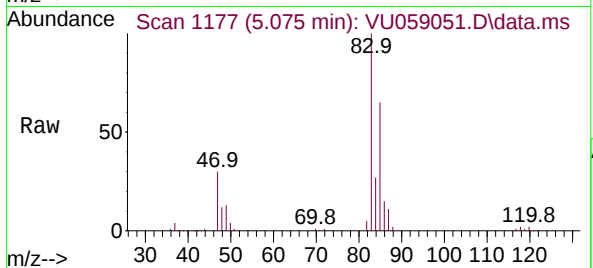
ClientSampleId :

Tgt Ion: 83 Resp: 152098

Ion Ratio Lower Upper

83 100

85 64.6 46.1 85.7



#27

1,2-Dichloroethane

Concen: 49.992 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU059051.D

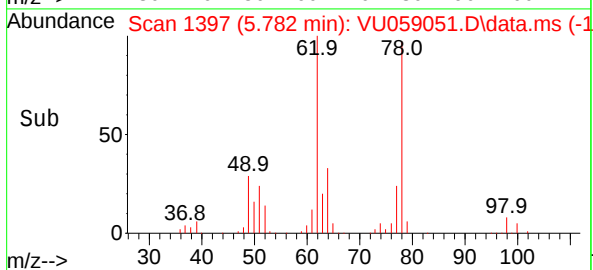
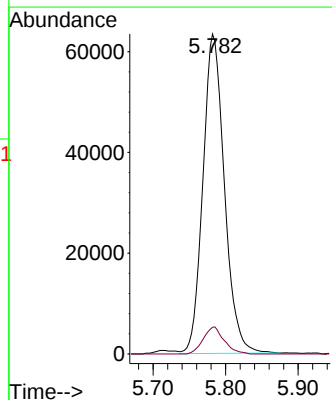
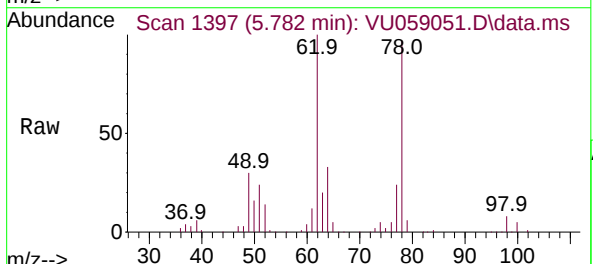
Acq: 29 May 2024 14:40

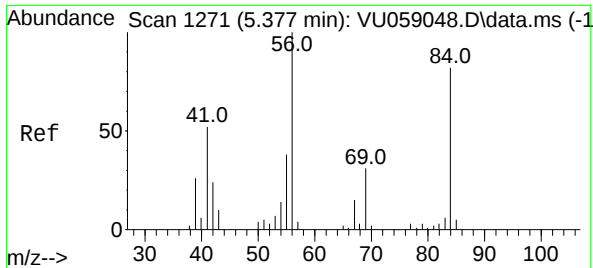
Tgt Ion: 62 Resp: 130803

Ion Ratio Lower Upper

62 100

98 8.4 6.9 10.3

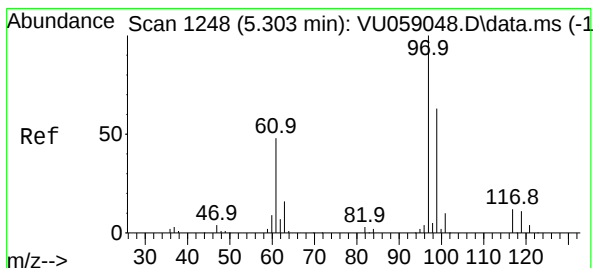
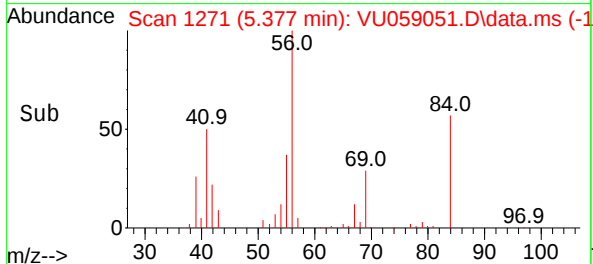
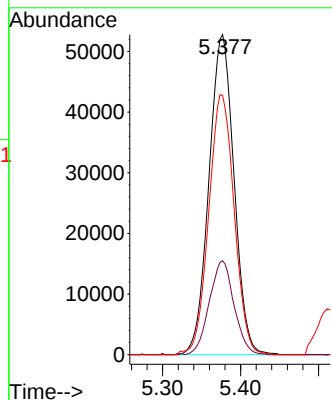
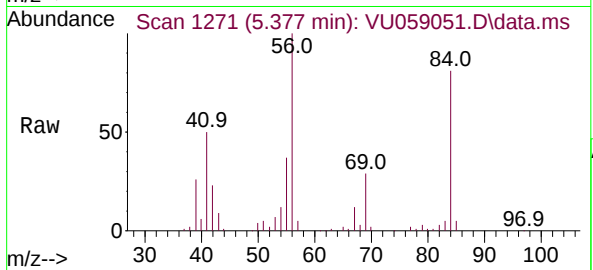




#29
Cyclohexane
Concen: 45.811 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. 0.000 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

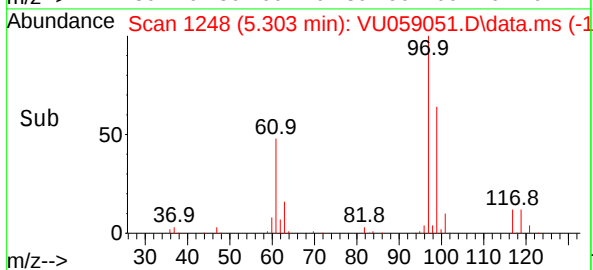
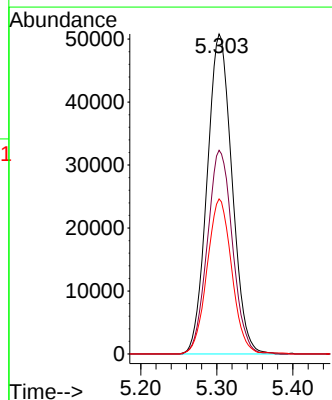
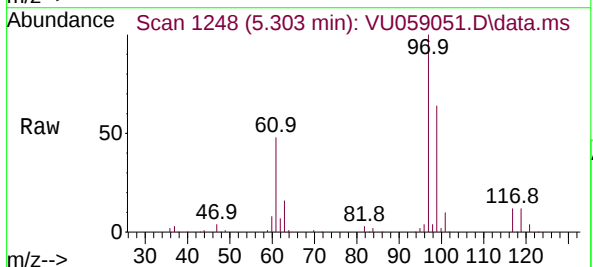
Instrument :
MSVOA_U
ClientSampleId :

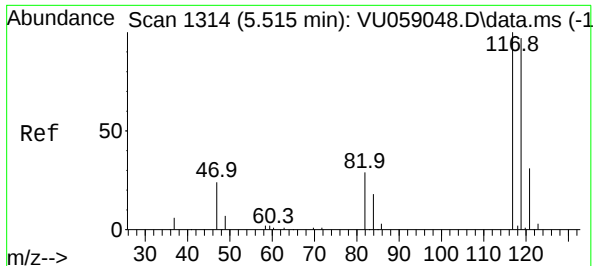
Tgt Ion: 56 Resp: 118021
Ion Ratio Lower Upper
56 100
69 28.9 24.6 37.0
84 82.3 67.4 101.0



#30
1,1,1-Trichloroethane
Concen: 46.041 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

Tgt Ion: 97 Resp: 115518
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 47.9 39.1 58.7





#31

Carbon tetrachloride

Concen: 45.419 ug/L

RT: 5.512 min Scan# 1314

Delta R.T. -0.003 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

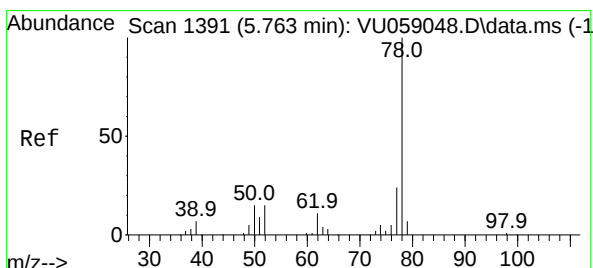
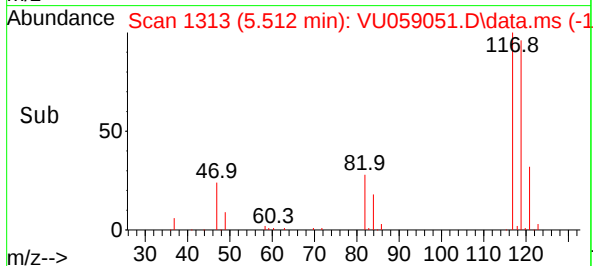
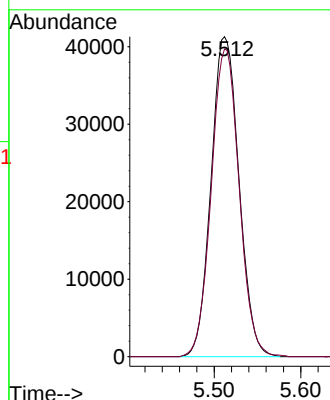
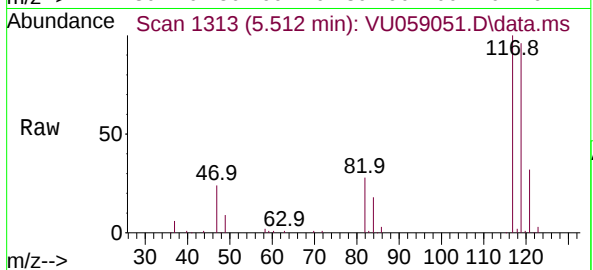
ClientSampleId :

Tgt Ion:117 Resp: 92564

Ion Ratio Lower Upper

117 100

119 96.1 76.9 115.3



#33

Benzene

Concen: 49.059 ug/L

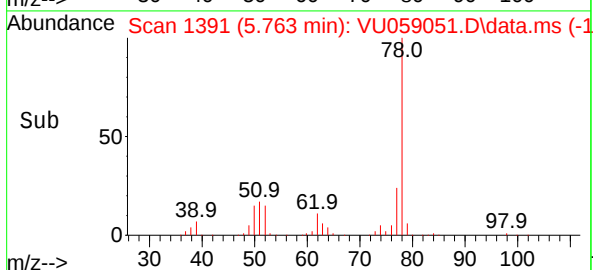
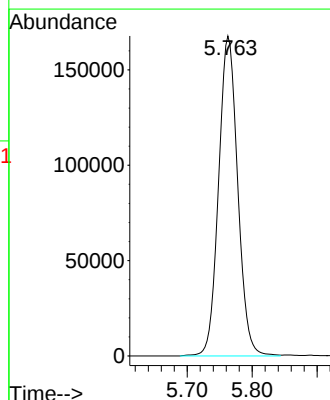
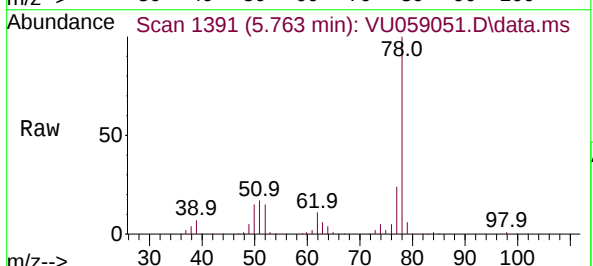
RT: 5.763 min Scan# 1391

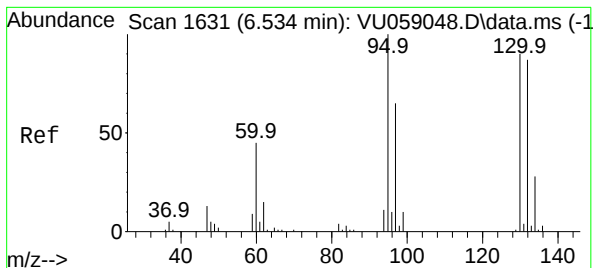
Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Tgt Ion: 78 Resp: 341846





#34

Trichloroethene

Concen: 47.593 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 81203

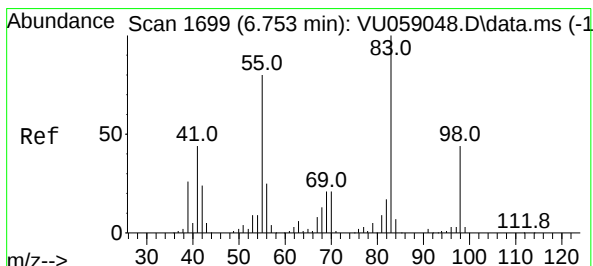
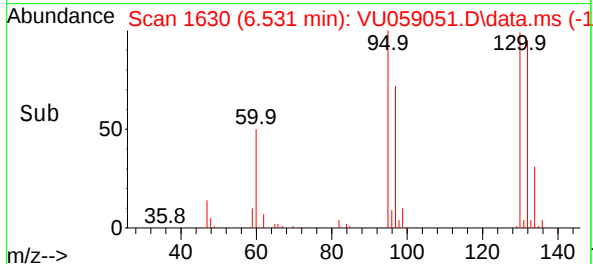
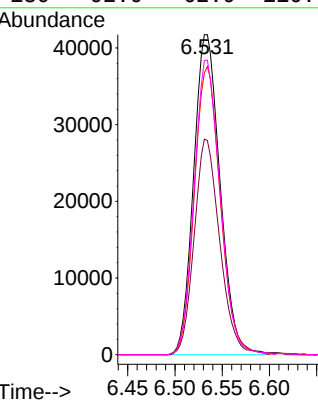
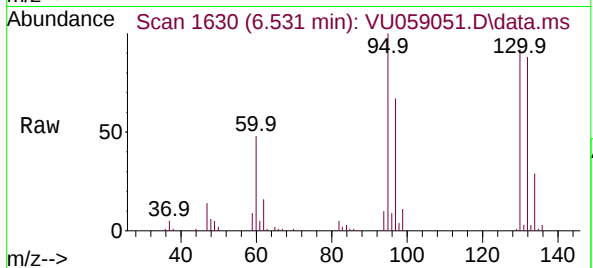
Ion Ratio Lower Upper

95 100

97 67.3 45.2 84.0

132 88.1 60.6 112.6

130 92.0 62.9 116.7



#35

Methylcyclohexane

Concen: 46.757 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

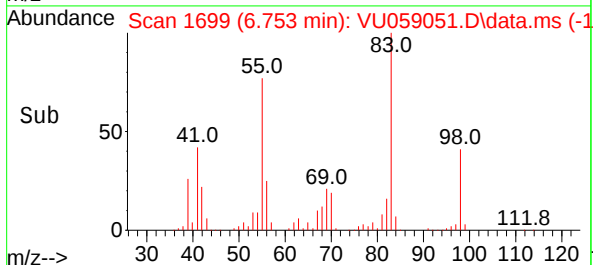
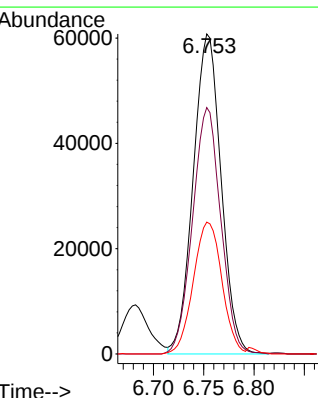
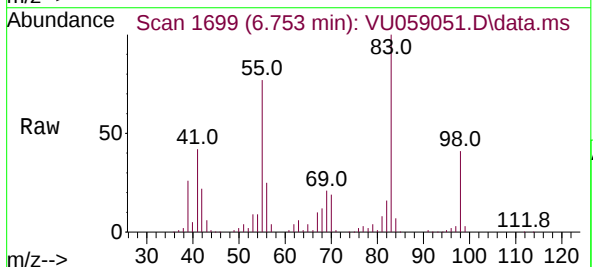
Tgt Ion: 83 Resp: 117298

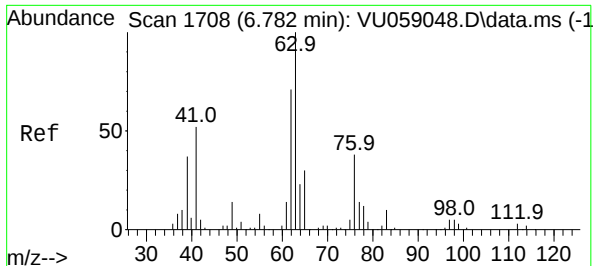
Ion Ratio Lower Upper

83 100

55 77.7 63.9 95.9

98 42.1 34.7 52.1

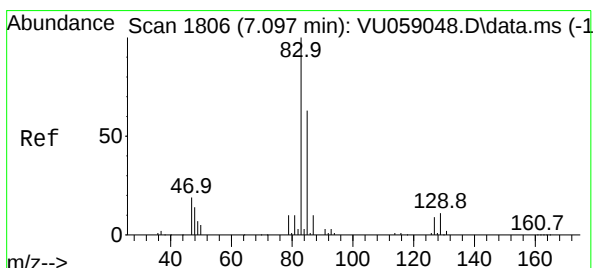
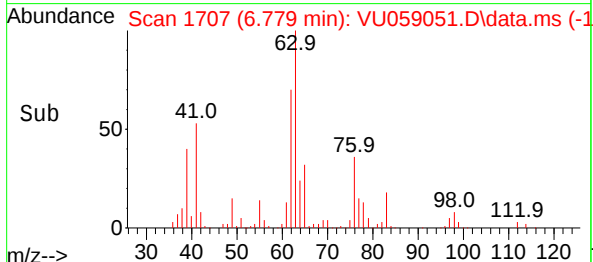
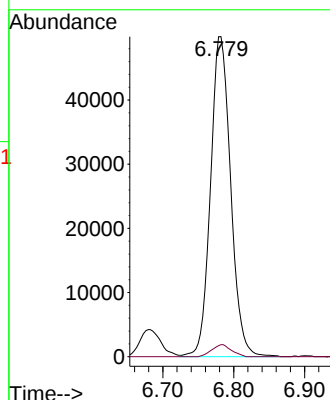
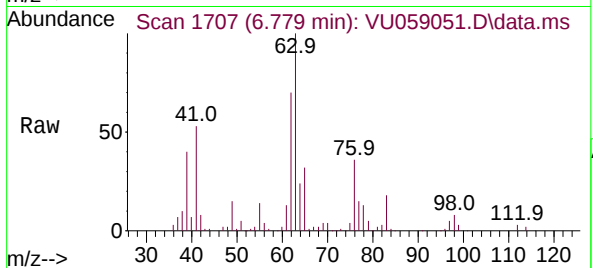




#37
1,2-Dichloropropane
Concen: 49.863 ug/L
RT: 6.779 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

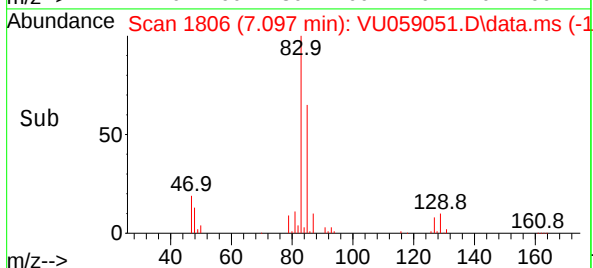
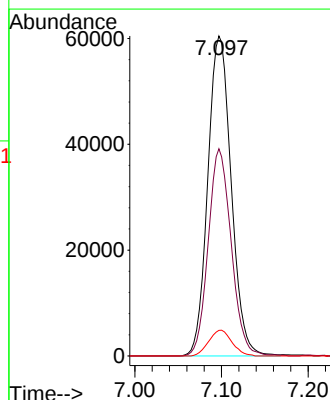
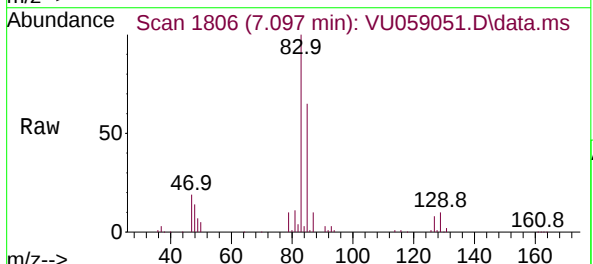
Instrument :
MSVOA_U
ClientSampleId :

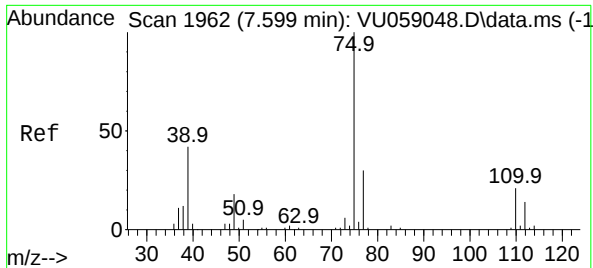
Tgt Ion: 63 Resp: 98662
Ion Ratio Lower Upper
63 100
112 3.6 2.6 4.0



#38
Bromodichloromethane
Concen: 49.278 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

Tgt Ion: 83 Resp: 113576
Ion Ratio Lower Upper
83 100
85 64.8 44.0 81.6
127 9.0 7.0 10.6

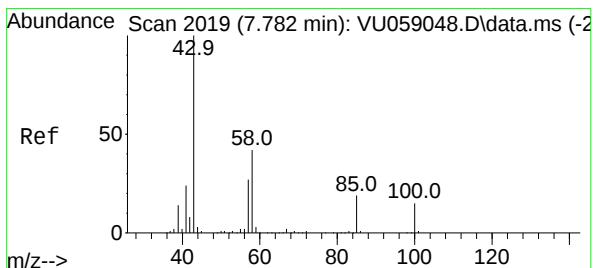
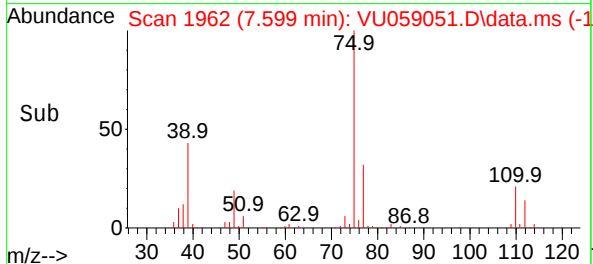
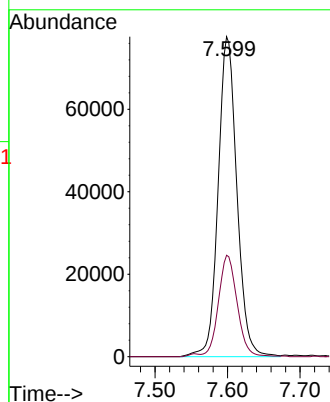
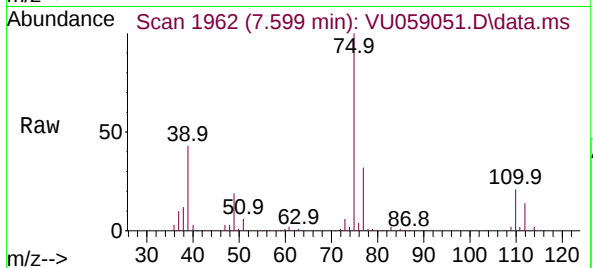




#39
 cis-1,3-Dichloropropene
 Concen: 50.898 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VU059051.D
 Acq: 29 May 2024 14:40

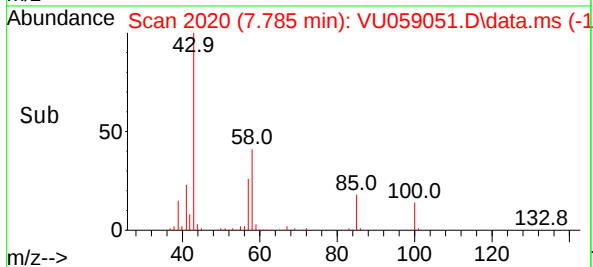
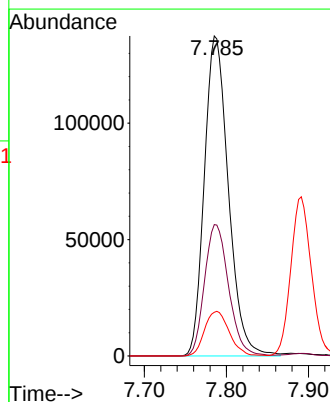
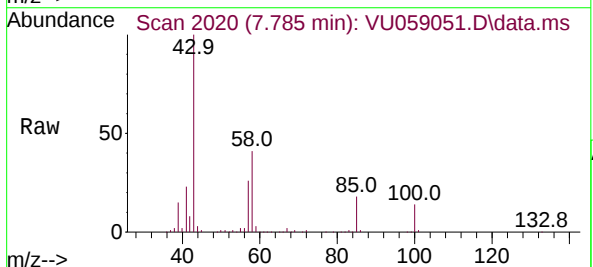
Instrument :
 MSVOA_U
 ClientSampleId :

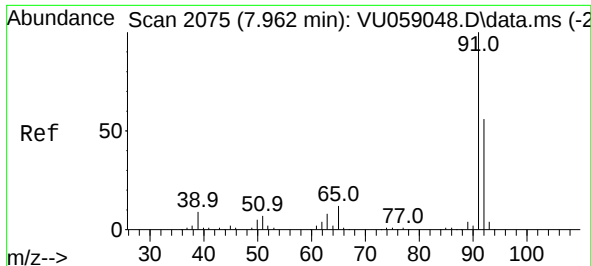
Tgt Ion: 75 Resp: 139343
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 108.144 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.003 min
 Lab File: VU059051.D
 Acq: 29 May 2024 14:40

Tgt Ion: 43 Resp: 280527
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.7 50.5
 100 14.4 11.4 17.0





#42

Toluene

Concen: 49.044 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

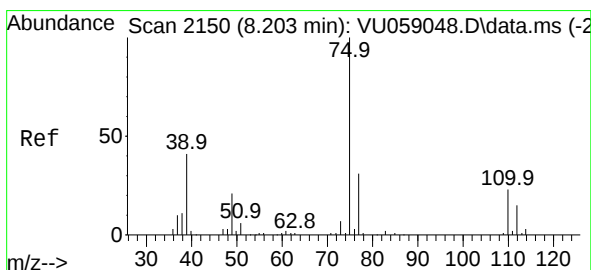
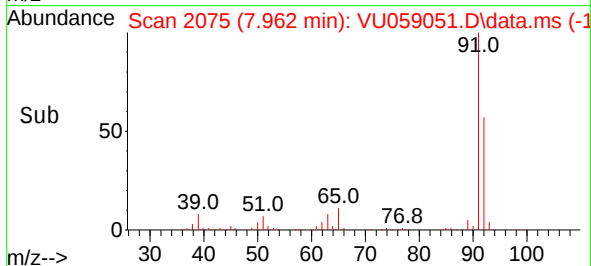
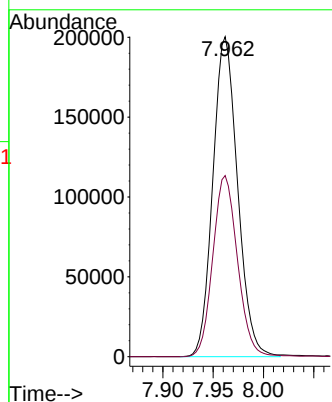
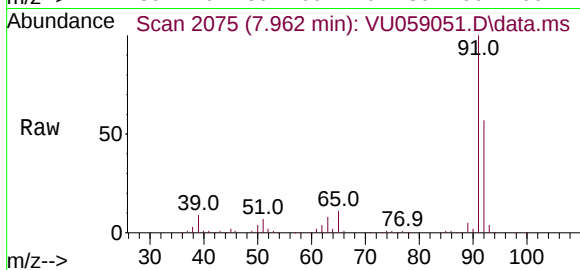
ClientSampleId :

Tgt Ion: 91 Resp: 343037

Ion Ratio Lower Upper

91 100

92 56.6 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 52.101 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059051.D

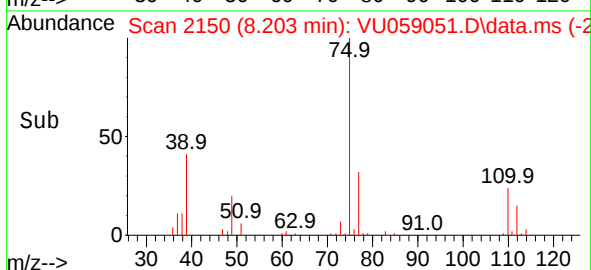
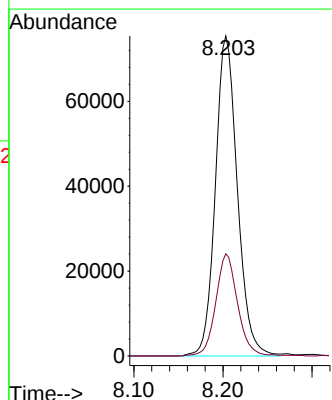
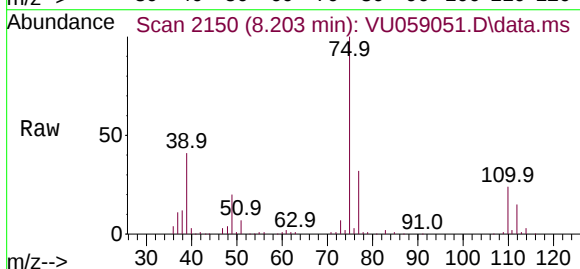
Acq: 29 May 2024 14:40

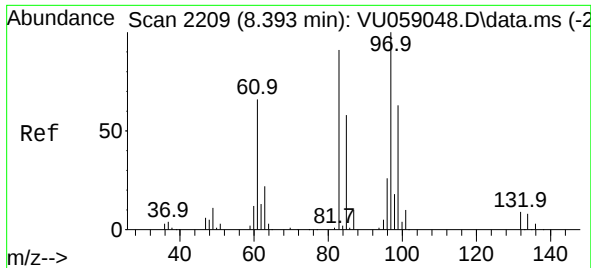
Tgt Ion: 75 Resp: 129130

Ion Ratio Lower Upper

75 100

77 31.9 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 51.496 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 91613

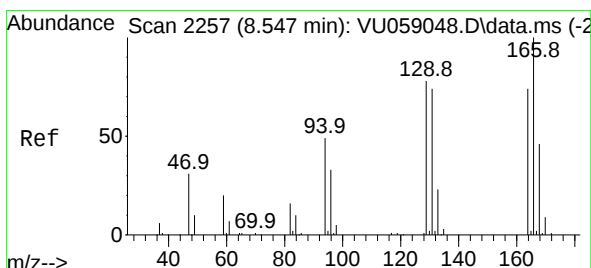
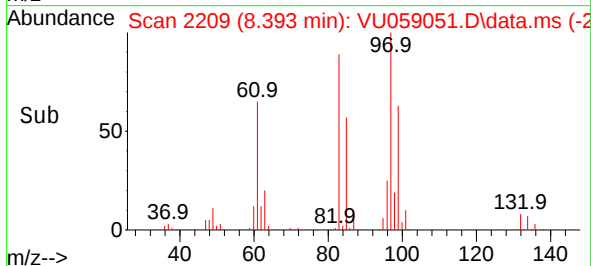
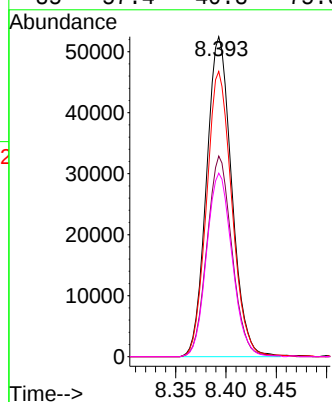
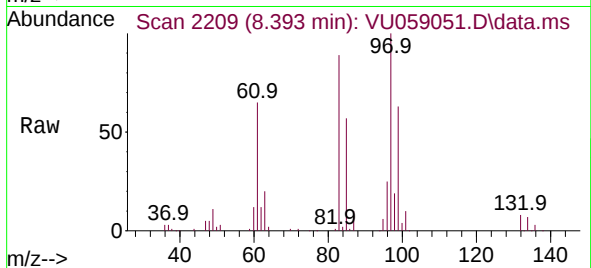
Ion Ratio Lower Upper

97 100

99 62.7 44.0 81.6

83 89.1 63.6 118.2

85 57.4 40.8 75.8



#46

Tetrachloroethene

Concen: 46.254 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Tgt Ion:164 Resp: 52566

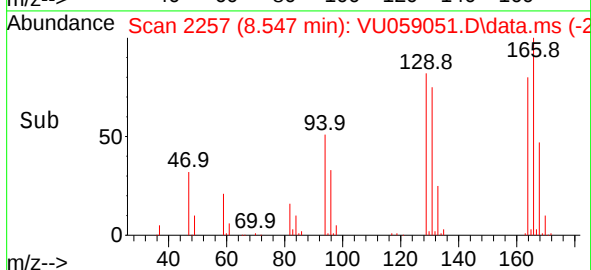
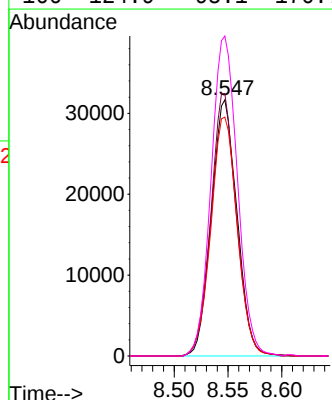
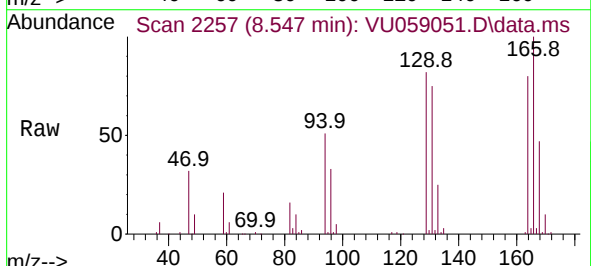
Ion Ratio Lower Upper

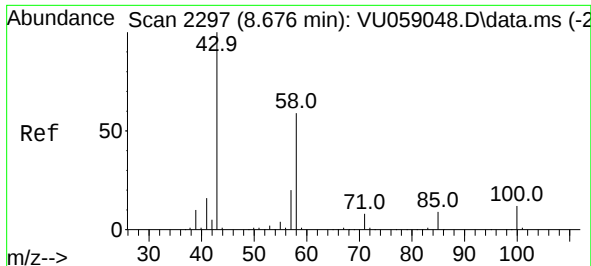
164 100

129 102.4 74.5 138.5

131 93.3 70.6 131.0

166 124.9 95.1 176.7

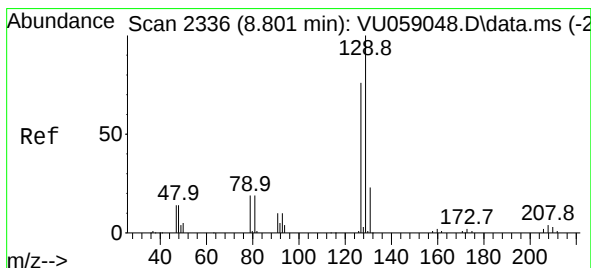
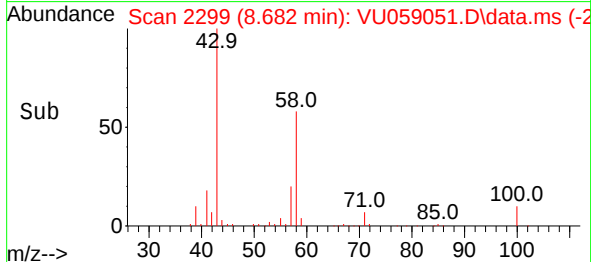
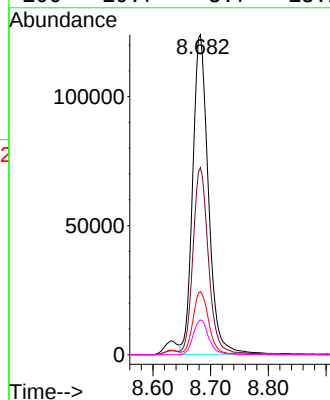
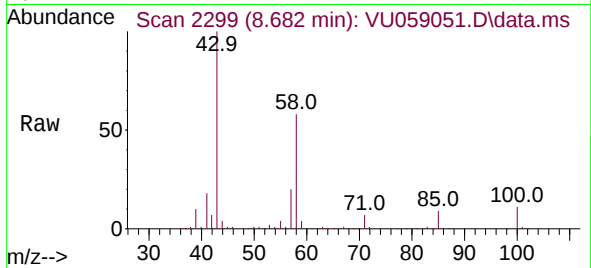




#48
2-Hexanone
Concen: 106.796 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

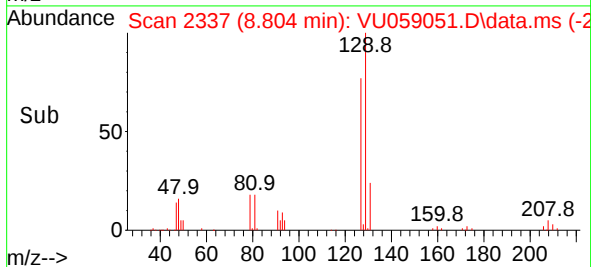
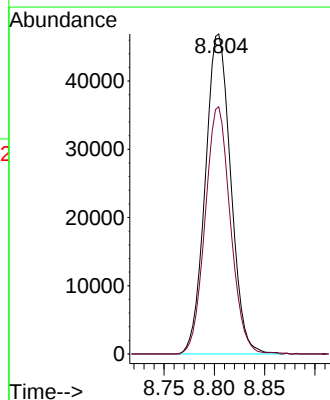
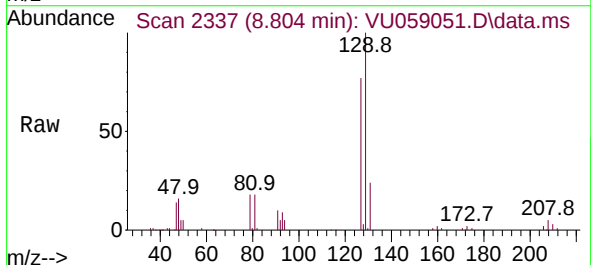
Instrument :
MSVOA_U
ClientSampleId :

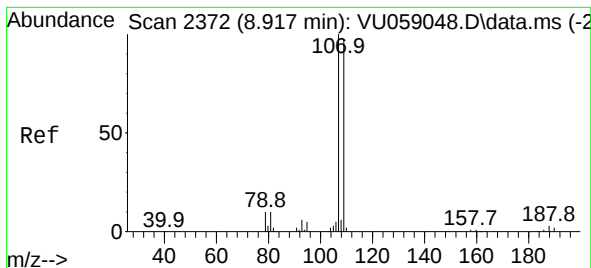
Tgt Ion: 43 Resp: 233645
Ion Ratio Lower Upper
43 100
58 57.3 45.9 68.9
57 19.0 16.3 24.5
100 10.7 8.7 13.1



#49
Dibromochloromethane
Concen: 51.375 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

Tgt Ion:129 Resp: 82598
Ion Ratio Lower Upper
129 100
127 77.3 53.3 98.9





#50

1,2-Dibromoethane

Concen: 50.667 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

ClientSampleId :

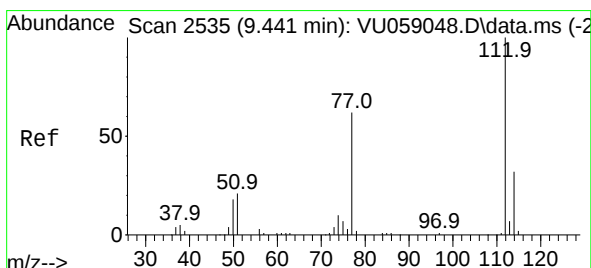
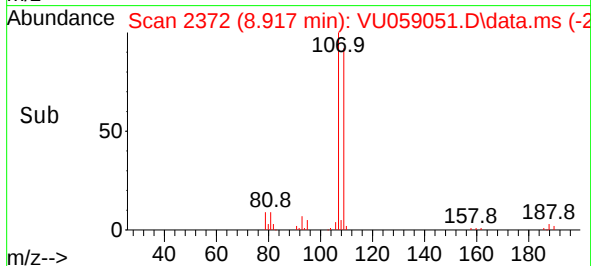
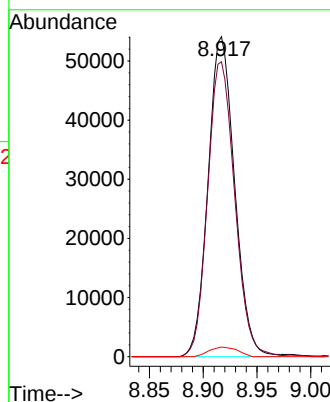
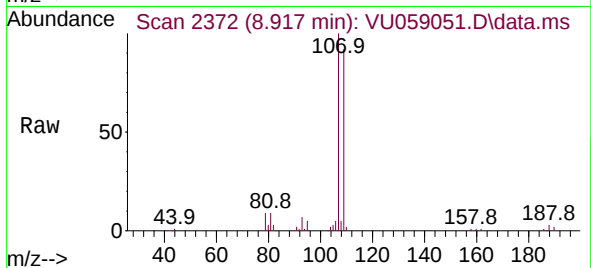
Tgt Ion:107 Resp: 92980

Ion Ratio Lower Upper

107 100

109 92.2 67.8 125.8

188 3.0 2.5 3.7



#51

Chlorobenzene

Concen: 48.607 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

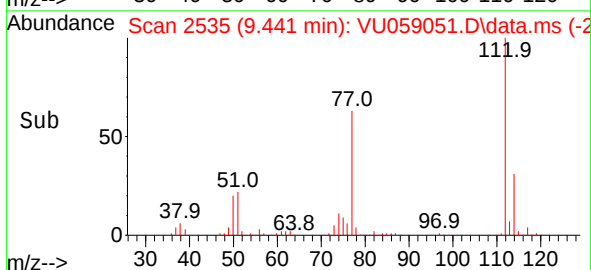
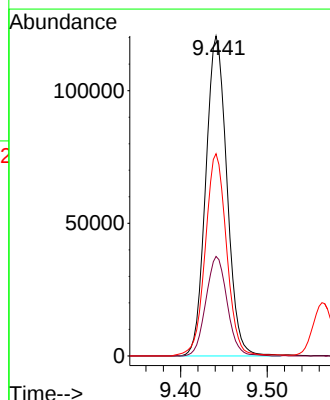
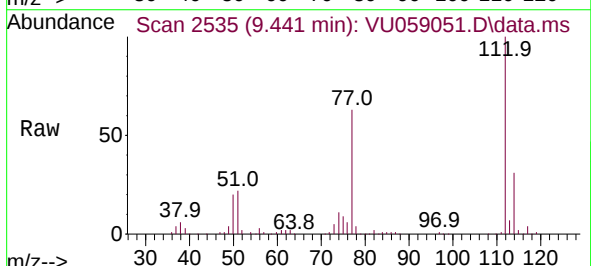
Tgt Ion:112 Resp: 205195

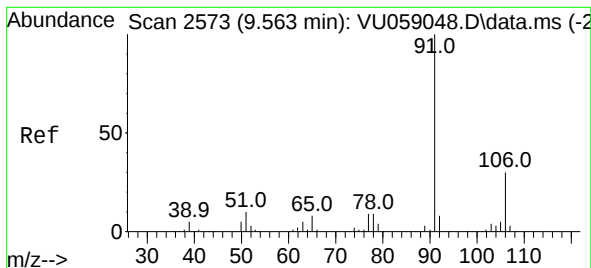
Ion Ratio Lower Upper

112 100

114 31.1 22.1 41.1

77 63.2 49.8 74.6





#52

Ethylbenzene

Concen: 49.183 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

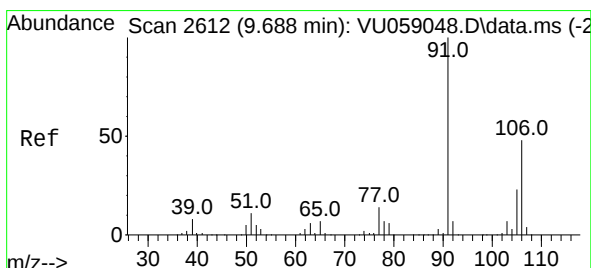
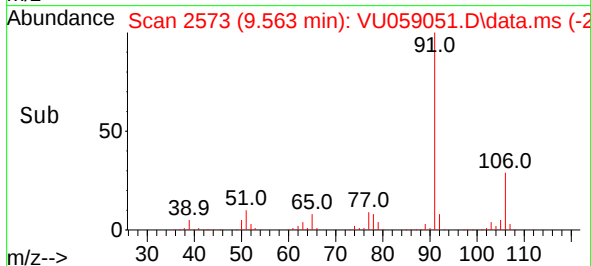
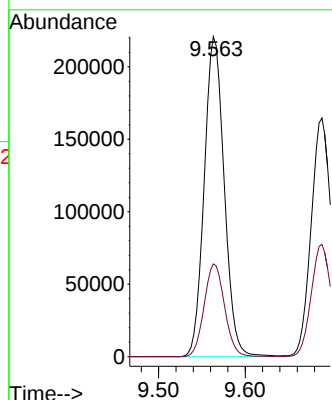
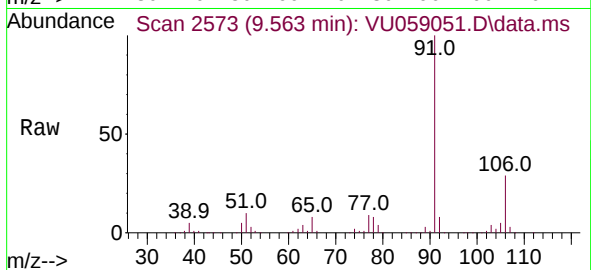
ClientSampleId :

Tgt Ion: 91 Resp: 354648

Ion Ratio Lower Upper

91 100

106 29.0 21.0 39.0



#53

m,p-Xylene

Concen: 48.948 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU059051.D

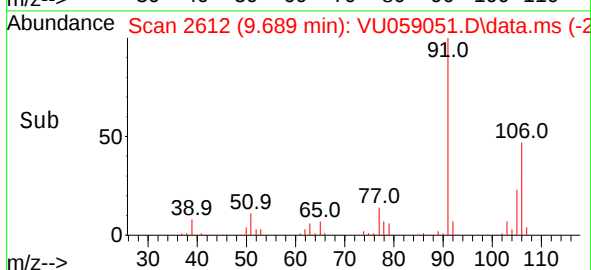
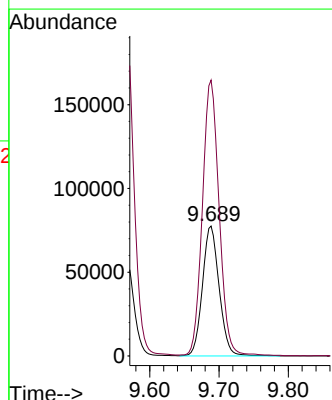
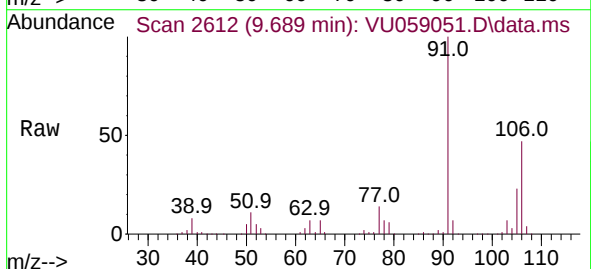
Acq: 29 May 2024 14:40

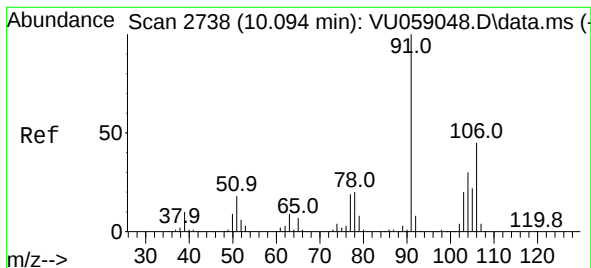
Tgt Ion:106 Resp: 129720

Ion Ratio Lower Upper

106 100

91 212.4 146.4 272.0





#54

o-Xylene

Concen: 50.886 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

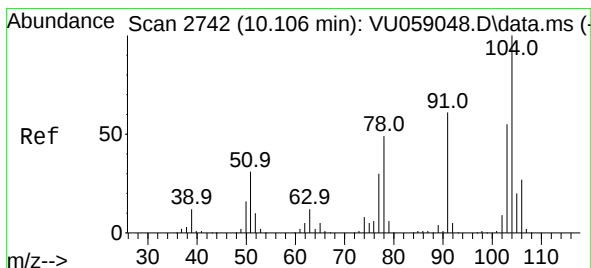
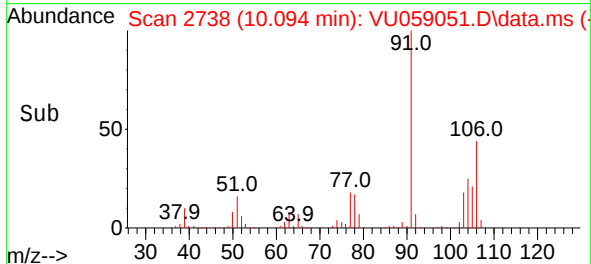
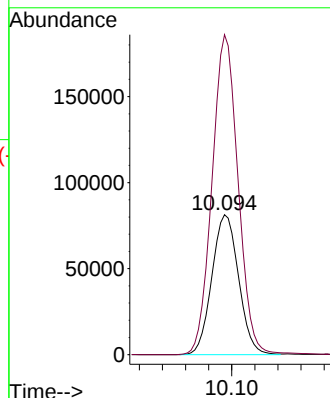
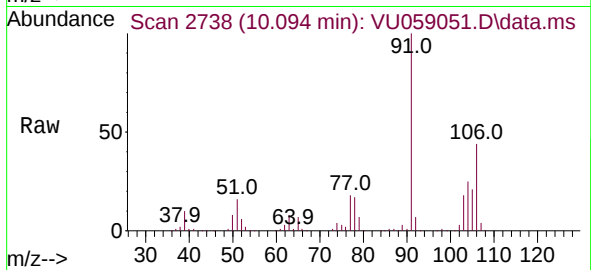
ClientSampleId :

Tgt Ion:106 Resp: 130693

Ion Ratio Lower Upper

106 100

91 228.6 156.7 290.9



#55

Styrene

Concen: 52.752 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.003 min

Lab File: VU059051.D

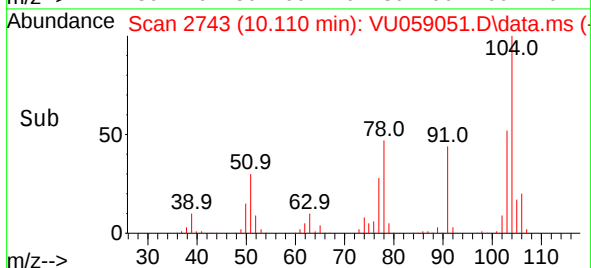
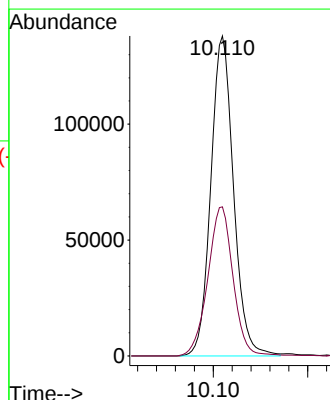
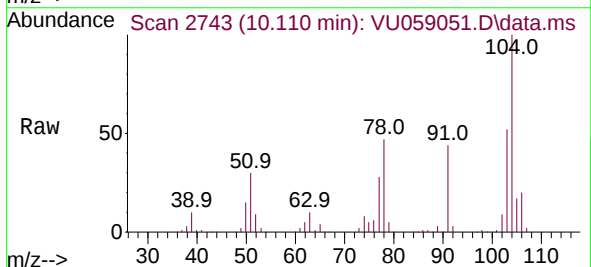
Acq: 29 May 2024 14:40

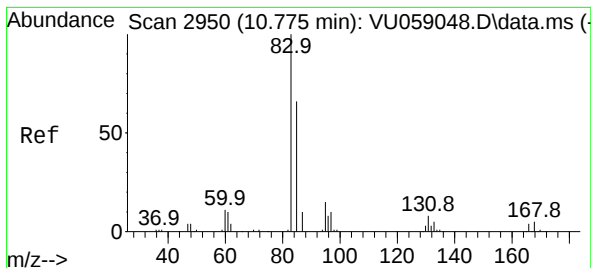
Tgt Ion:104 Resp: 230301

Ion Ratio Lower Upper

104 100

78 46.6 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 53.880 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

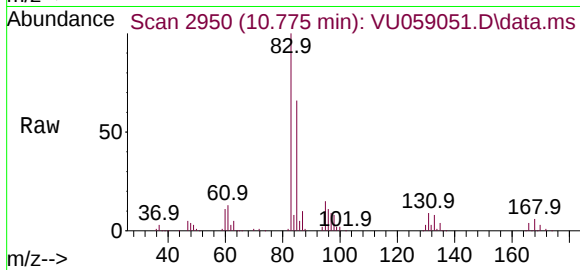
Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

ClientSampleId :



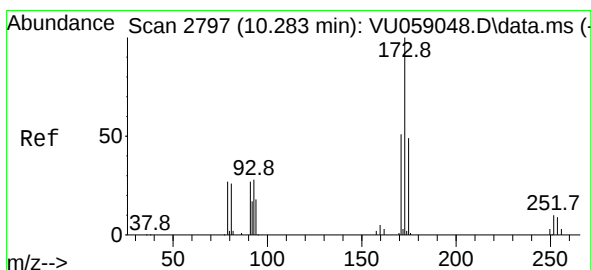
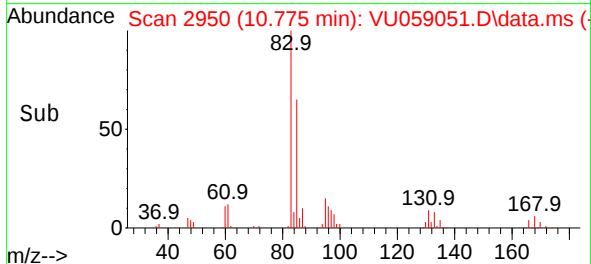
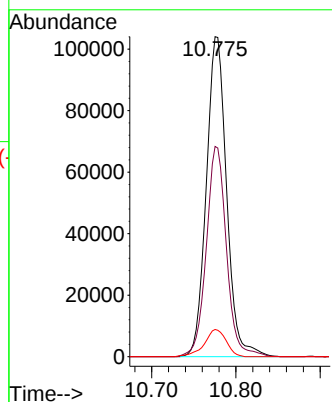
Tgt Ion: 83 Resp: 174614

Ion Ratio Lower Upper

83 100

85 65.7 46.1 85.7

131 8.5 7.0 10.4



#59

Bromoform

Concen: 52.243 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

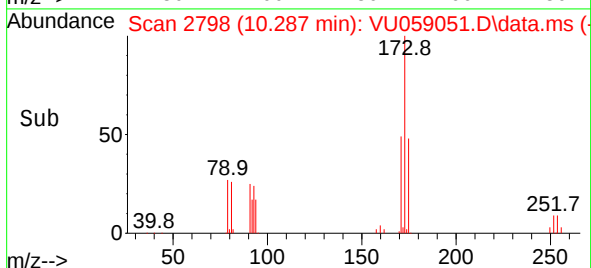
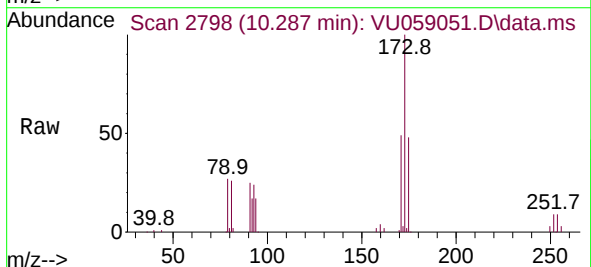
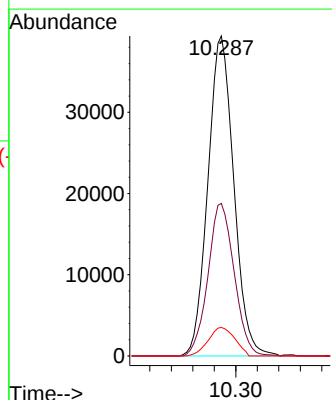
Tgt Ion:173 Resp: 65863

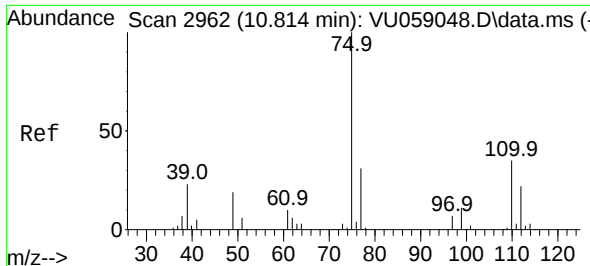
Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.6

254 9.1 7.5 11.3

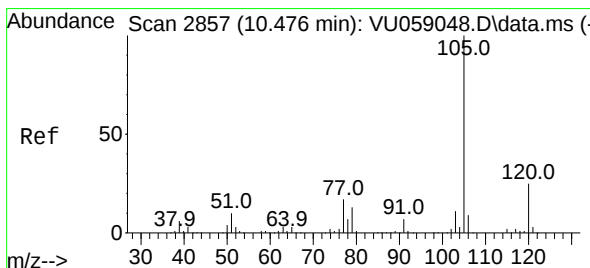
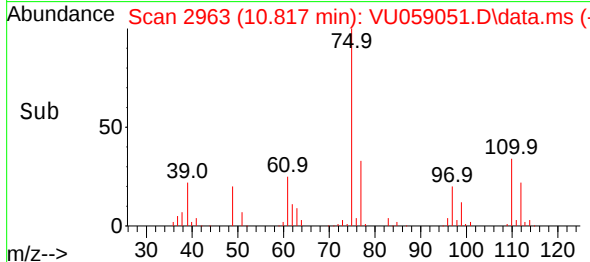
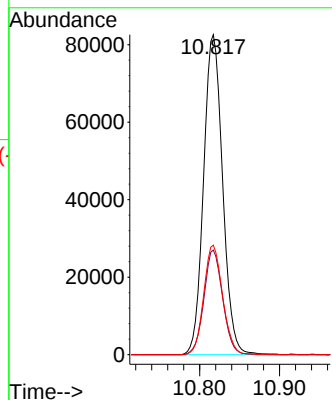
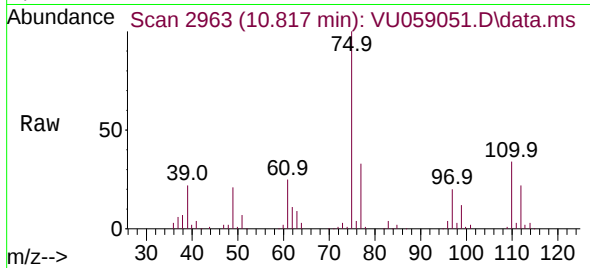




#60
1,2,3-Trichloropropane
Concen: 51.191 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

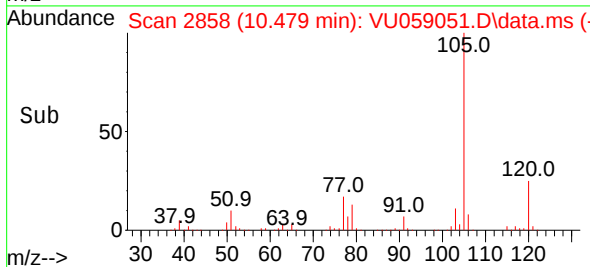
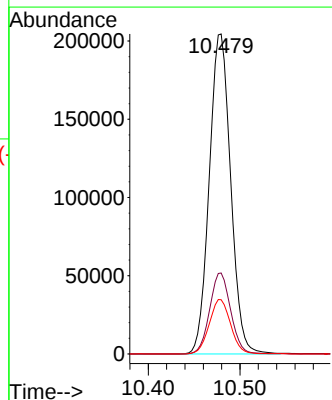
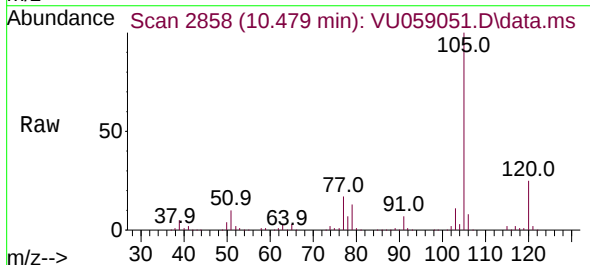
Instrument :
MSVOA_U
ClientSampleId :

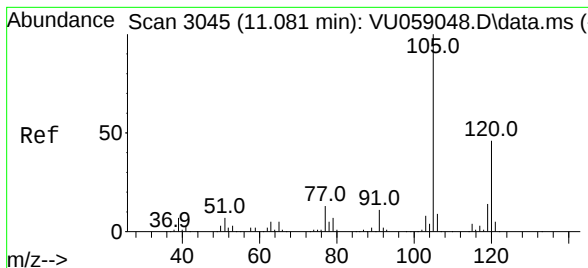
Tgt Ion: 75 Resp: 136879
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
110 33.9 28.4 42.6



#61
Isopropylbenzene
Concen: 48.981 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.003 min
Lab File: VU059051.D
Acq: 29 May 2024 14:40

Tgt Ion:105 Resp: 331338
Ion Ratio Lower Upper
105 100
120 24.8 20.3 30.5
77 16.9 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 49.897 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

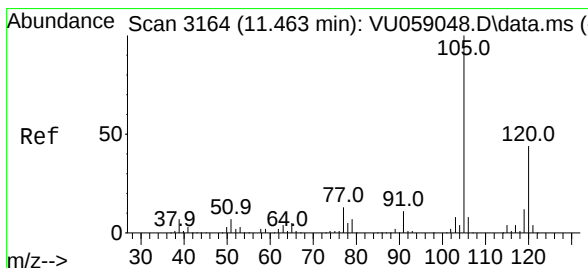
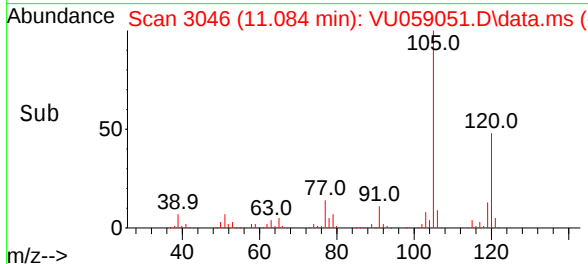
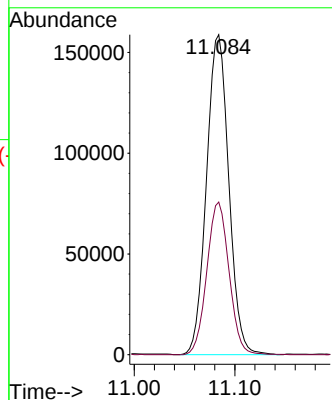
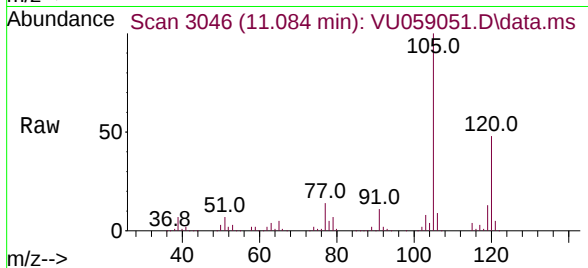
ClientSampleId :

Tgt Ion:105 Resp: 244559

Ion Ratio Lower Upper

105 100

120 47.4 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 51.868 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU059051.D

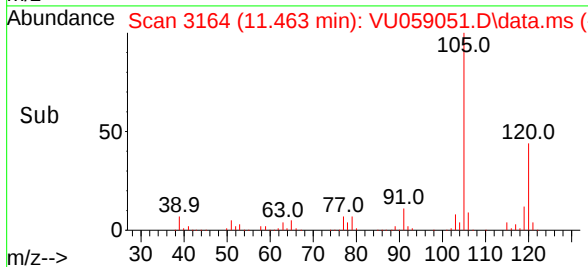
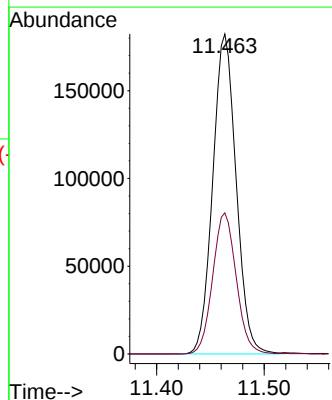
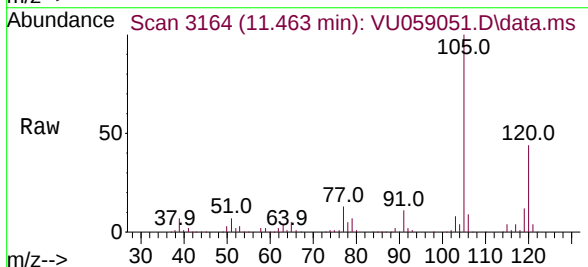
Acq: 29 May 2024 14:40

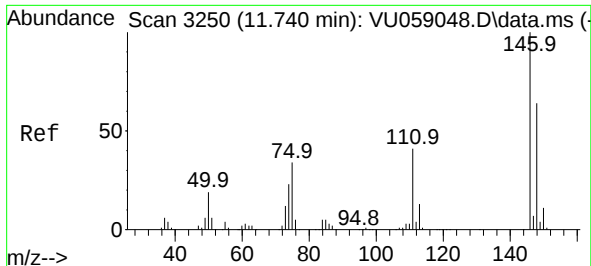
Tgt Ion:105 Resp: 275583

Ion Ratio Lower Upper

105 100

120 44.4 35.0 52.6





#64

1,3-Dichlorobenzene

Concen: 49.821 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

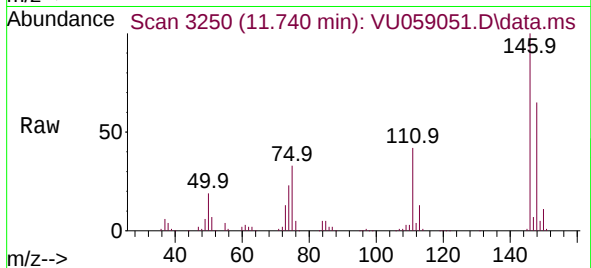
Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

ClientSampleId :



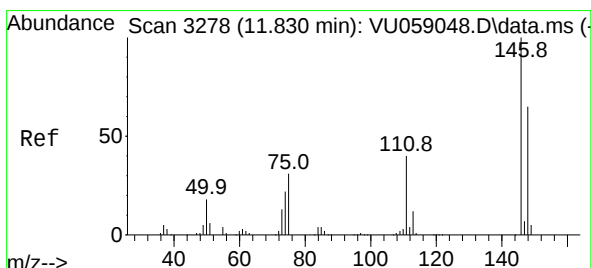
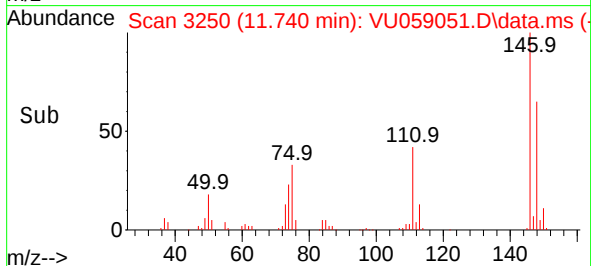
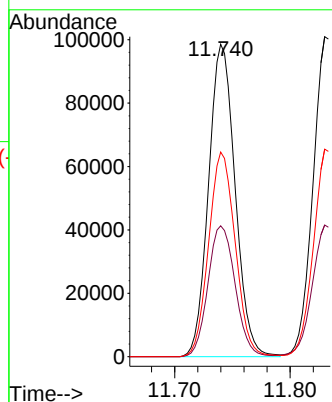
Tgt Ion:146 Resp: 157515

Ion Ratio Lower Upper

146 100

111 41.9 28.7 53.3

148 65.5 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 50.361 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

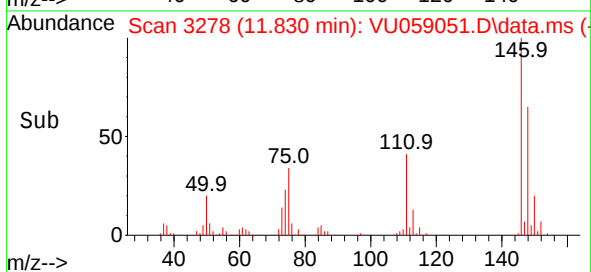
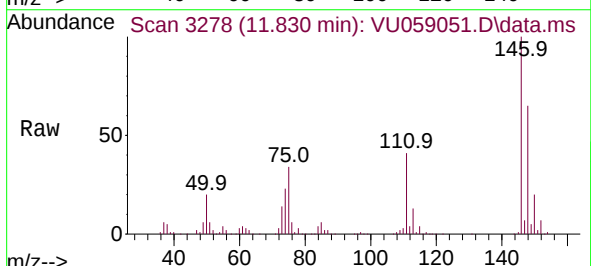
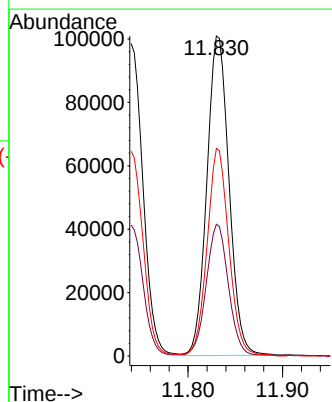
Tgt Ion:146 Resp: 164439

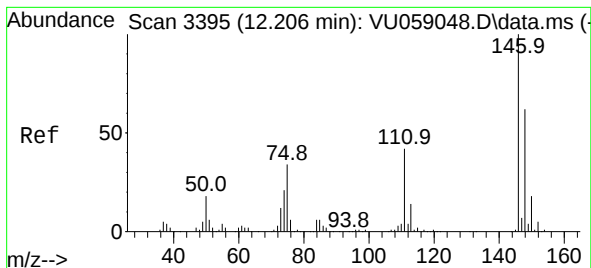
Ion Ratio Lower Upper

146 100

111 41.1 27.9 51.9

148 64.9 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 51.202 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

ClientSampleId :

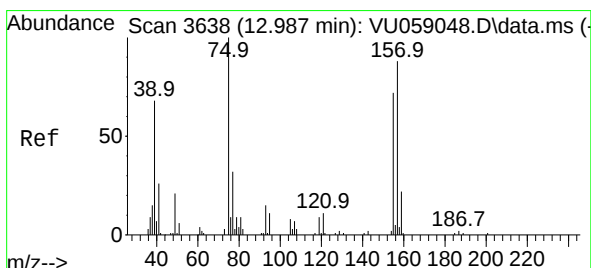
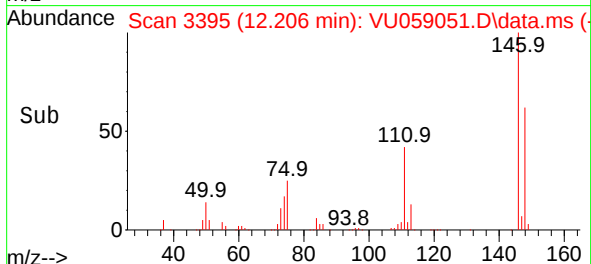
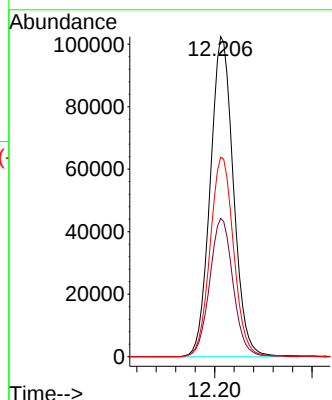
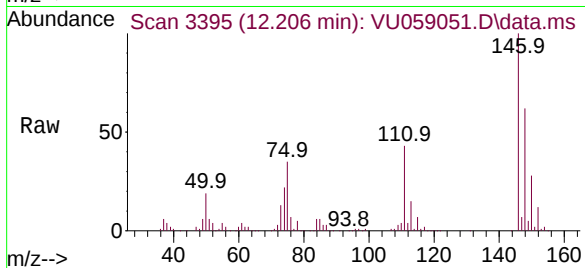
Tgt Ion:146 Resp: 169197

Ion Ratio Lower Upper

146 100

111 43.2 33.4 50.2

148 62.4 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 51.595 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

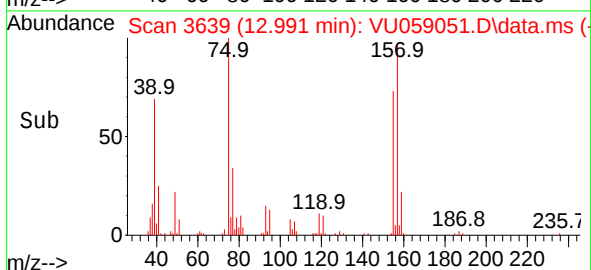
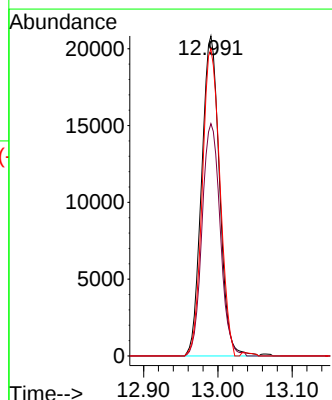
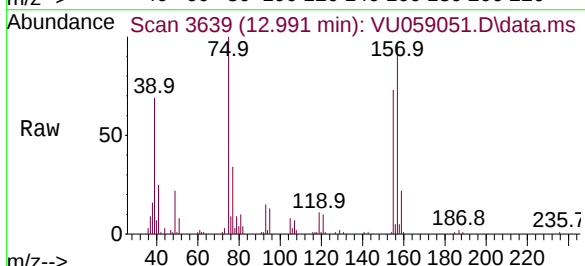
Tgt Ion: 75 Resp: 34975

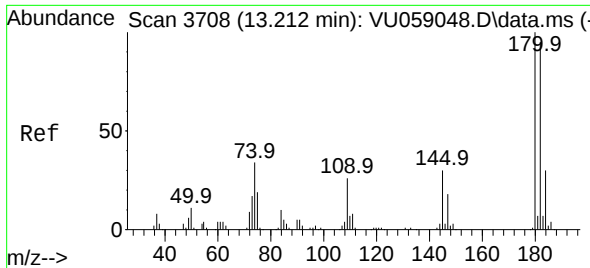
Ion Ratio Lower Upper

75 100

155 72.6 57.5 86.3

157 100.5 73.4 110.2





#69

1,3,5-Trichlorobenzene

Concen: 48.627 ug/L

RT: 13.213 min Scan# 3708

Delta R.T. 0.000 min

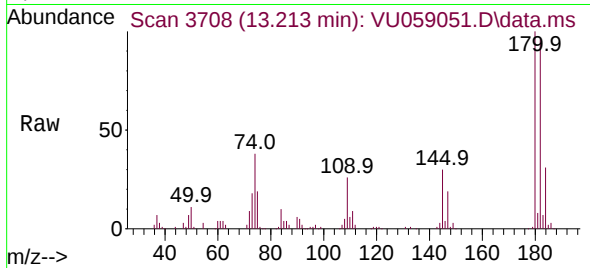
Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 101535

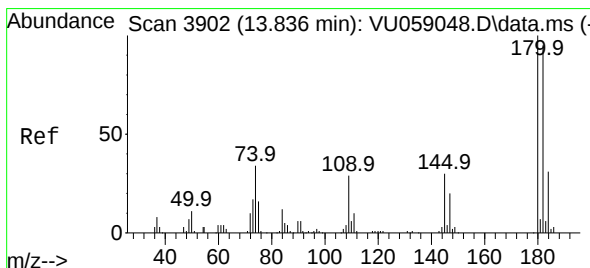
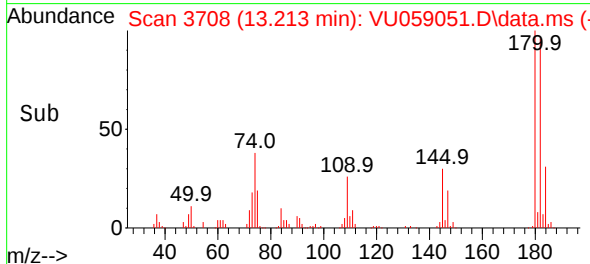
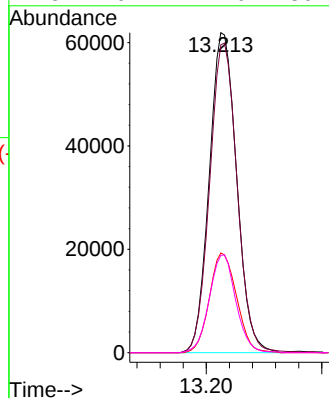
Ion Ratio Lower Upper

180 100

182 96.8 75.6 113.4

184 31.0 24.2 36.2

145 29.7 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 49.257 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

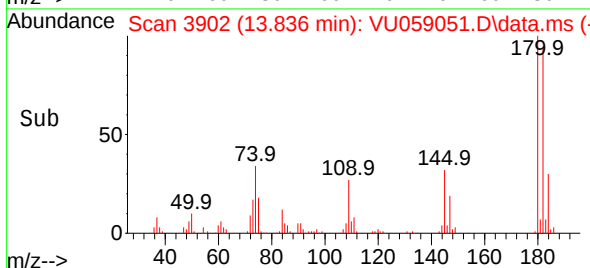
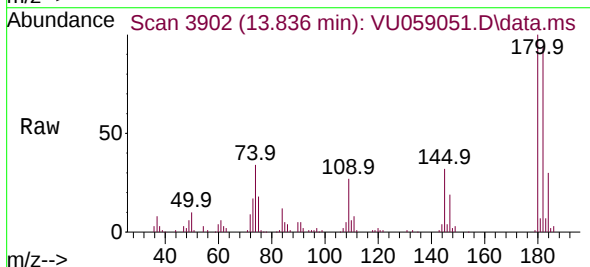
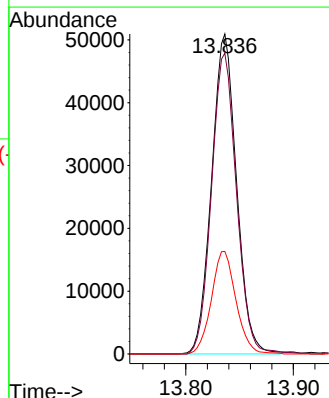
Tgt Ion:180 Resp: 82146

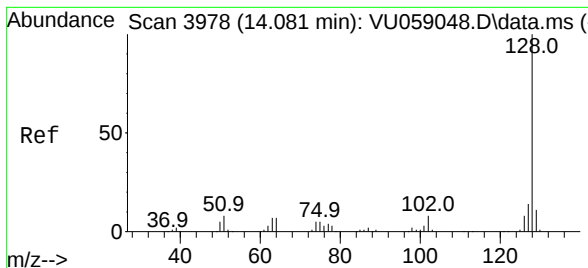
Ion Ratio Lower Upper

180 100

182 93.8 77.4 116.2

145 31.6 24.8 37.2





#71

Naphthalene

Concen: 48.944 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_U

ClientSampleId :

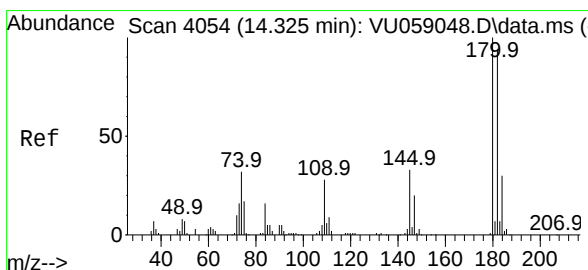
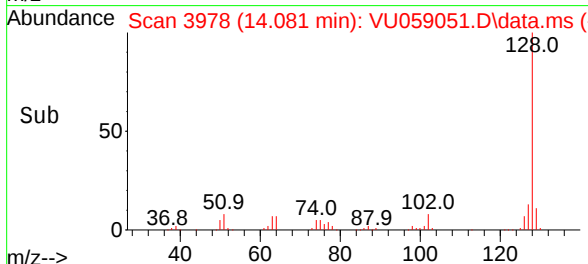
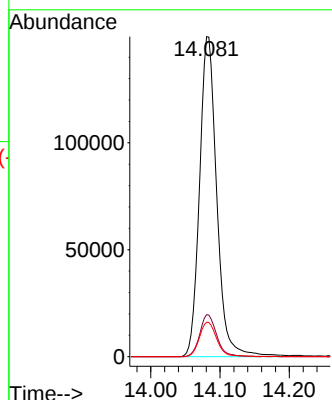
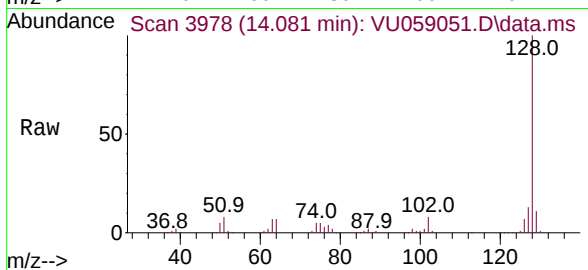
Tgt Ion:128 Resp: 258360

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 50.304 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU059051.D

Acq: 29 May 2024 14:40

Tgt Ion:180 Resp: 85290

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.4

145 32.2 26.4 39.6

