

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052924\
 Data File : VU059077.D
 Acq On : 30 May 2024 01:18
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 02:34:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 00:34:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	214436	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	218146	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	109078	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	62739	48.865	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.740%		
7) Chloroethane-d5	1.908	69	54120	49.208	ug/L	0.03
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.420%		
11) 1,1-Dichloroethene-d2	2.567	63	123682	48.803	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.600%		
21) 2-Butanone-d5	4.608	46	118592	97.996	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.000%		
24) Chloroform-d	5.052	84	127959	50.064	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.120%		
26) 1,2-Dichloroethane-d4	5.692	65	77391	49.402	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.800%		
32) Benzene-d6	5.718	84	241271	48.189	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.380%		
36) 1,2-Dichloropropane-d6	6.682	67	81427	47.168	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.340%		
41) Toluene-d8	7.891	98	209496	49.290	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.580%		
43) trans-1,3-Dichloroprop...	8.174	79	32806	47.013	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.020%		
47) 2-Hexanone-d5	8.624	63	73242	91.747	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.750%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	131082	44.865	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.740%		
66) 1,2-Dichlorobenzene-d4	12.187	152	76037	46.711	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	106329	48.938	ug/L	100
3) Chloromethane	1.518	50	120733	48.080	ug/L	100
5) Vinyl chloride	1.602	62	121913	49.409	ug/L	100
6) Bromomethane	1.850	94	71347	36.143	ug/L	98
8) Chloroethane	1.927	64	73472	47.750	ug/L	99
9) Trichlorofluoromethane	2.133	101	139485	48.579	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	79728	47.725	ug/L	97
12) 1,1-Dichloroethene	2.573	96	75096	49.562	ug/L	98
13) Acetone	2.615	43	93633	65.825	ug/L	99
14) Carbon disulfide	2.789	76	247896	48.579	ug/L	100
15) Methyl Acetate	2.936	43	108403	48.111	ug/L	98
16) Methylene chloride	3.036	84	95078	46.376	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	80568	49.265	ug/L	96
18) Methyl tert-butyl Ether	3.351	73	254226	47.856	ug/L	100
19) 1,1-Dichloroethane	3.859	63	168835	48.164	ug/L	97
20) cis-1,2-Dichloroethene	4.657	96	92183	49.465	ug/L	95
22) 2-Butanone	4.689	43	147499	85.649	ug/L	99
23) Bromochloromethane	4.965	128	45331	48.022	ug/L	95
25) Chloroform	5.078	83	168479	49.636	ug/L	96

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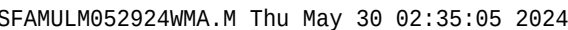
Instrument :
 MSVOA_U
 ClientSampleId :

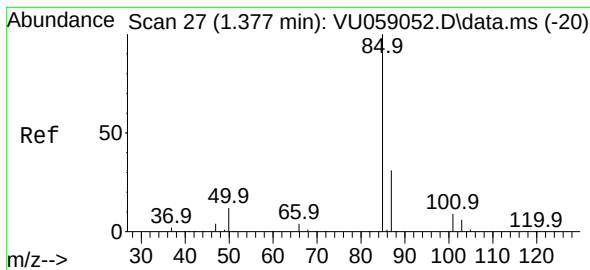
Quant Time: May 30 02:34:56 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	136260	47.520	ug/L	100
29) Cyclohexane	5.380	56	134892	46.317	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	132577	46.742	ug/L	99
31) Carbon tetrachloride	5.518	117	108878	47.259	ug/L	98
33) Benzene	5.766	78	372728	47.318	ug/L	100
34) Trichloroethene	6.534	95	93920	48.694	ug/L	98
35) Methylcyclohexane	6.756	83	133462	47.061	ug/L	100
37) 1,2-Dichloropropane	6.782	63	106280	47.515	ug/L	99
38) Bromodichloromethane	7.097	83	120960	46.425	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	140919	45.534	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	280177	95.545	ug/L	99
42) Toluene	7.962	91	389940	49.317	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	129510	46.224	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	94536	47.007	ug/L	99
46) Tetrachloroethene	8.547	164	62372	48.549	ug/L	92
48) 2-Hexanone	8.676	43	217643	88.002	ug/L	99
49) Dibromochloromethane	8.801	129	85253	46.907	ug/L	99
50) 1,2-Dibromoethane	8.917	107	98598	47.528	ug/L	96
51) Chlorobenzene	9.441	112	232118	48.640	ug/L	99
52) Ethylbenzene	9.563	91	407344	49.972	ug/L	100
53) m,p-Xylene	9.689	106	151345	50.518	ug/L	99
54) o-Xylene	10.094	106	145369	50.068	ug/L	99
55) Styrene	10.107	104	253871	51.441	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	165825	45.264	ug/L	98
59) Bromoform	10.283	173	66094	46.214	ug/L	97
60) 1,2,3-Trichloropropane	10.814	75	131822	43.458	ug/L	99
61) Isopropylbenzene	10.476	105	379903	49.505	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	273210	49.138	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	301454	50.015	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	173194	48.289	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	176427	47.630	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	172229	45.944	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	33843	44.009	ug/L	99
69) 1,3,5-Trichlorobenzene	13.213	180	111542	47.090	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	94217	49.801	ug/L	97
71) Naphthalene	14.081	128	268265	44.798	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	98191	51.051	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 48.938 ug/L

RT: 1.380 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

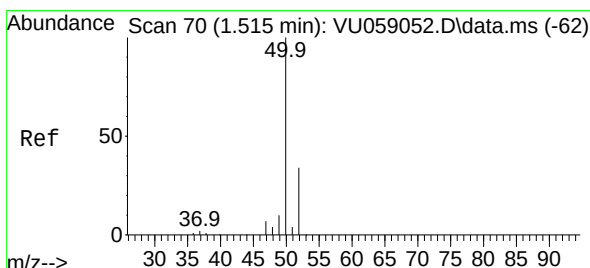
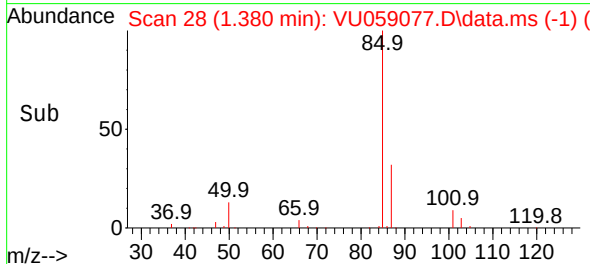
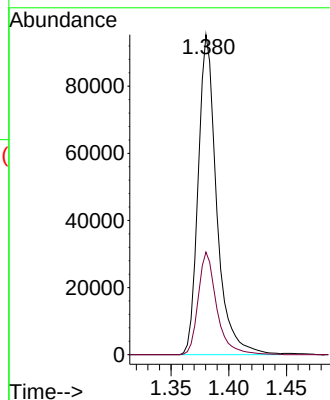
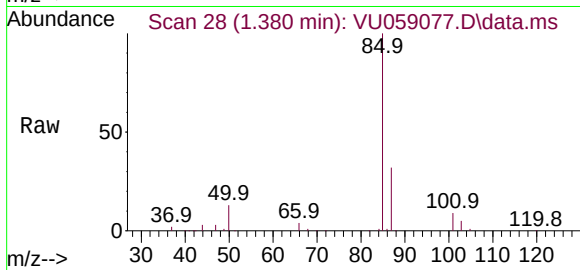
ClientSampleId :

Tgt Ion: 85 Resp: 106329

Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.2



#3

Chloromethane

Concen: 48.080 ug/L

RT: 1.518 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU059077.D

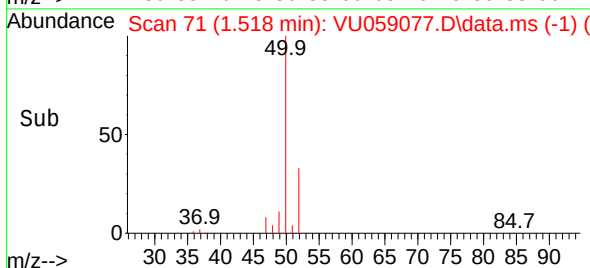
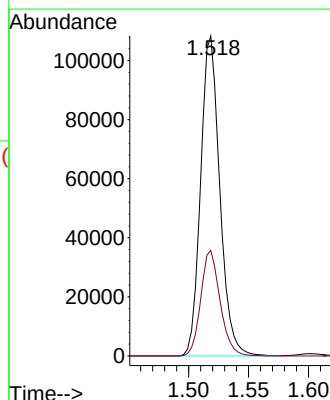
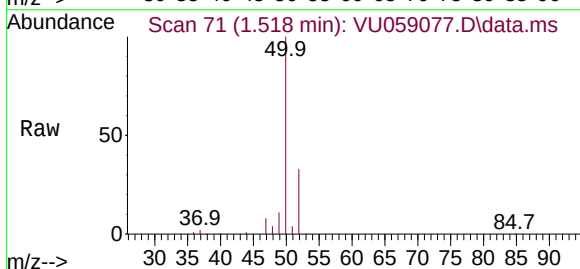
Acq: 30 May 2024 01:18

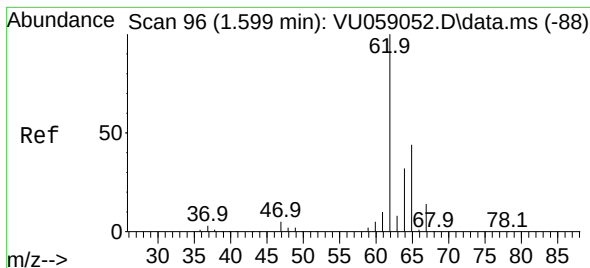
Tgt Ion: 50 Resp: 120733

Ion Ratio Lower Upper

50 100

52 32.9 23.2 43.2





#5

Vinyl chloride

Concen: 49.409 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

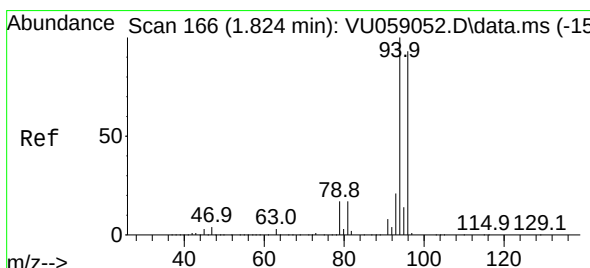
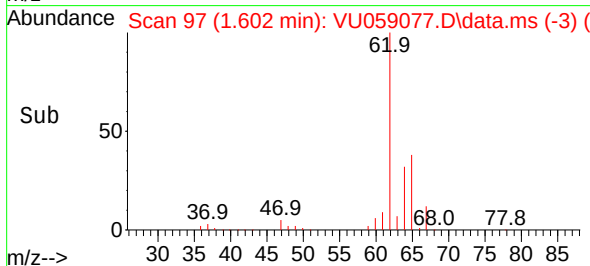
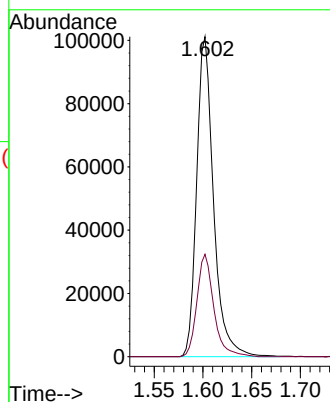
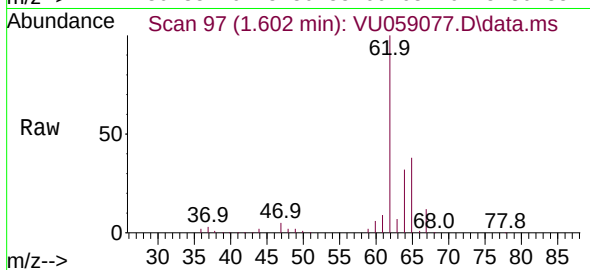
ClientSampleId :

Tgt Ion: 62 Resp: 121913

Ion Ratio Lower Upper

62 100

64 32.0 22.5 41.7



#6

Bromomethane

Concen: 36.143 ug/L

RT: 1.850 min Scan# 174

Delta R.T. 0.026 min

Lab File: VU059077.D

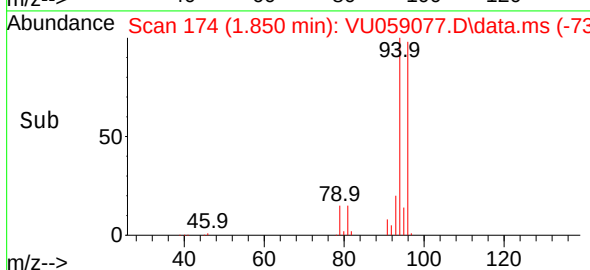
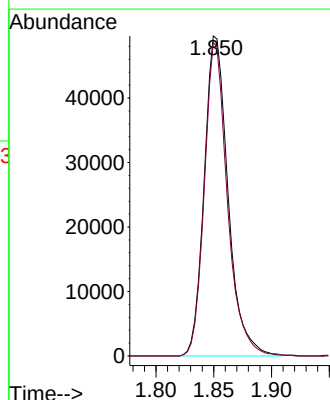
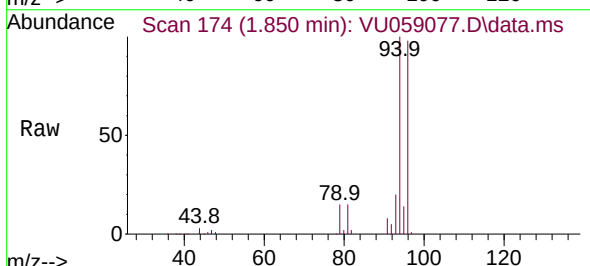
Acq: 30 May 2024 01:18

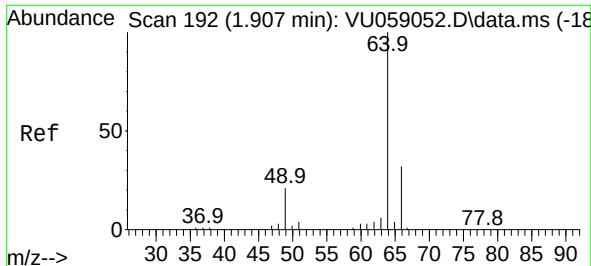
Tgt Ion: 94 Resp: 71347

Ion Ratio Lower Upper

94 100

96 98.0 67.1 124.7

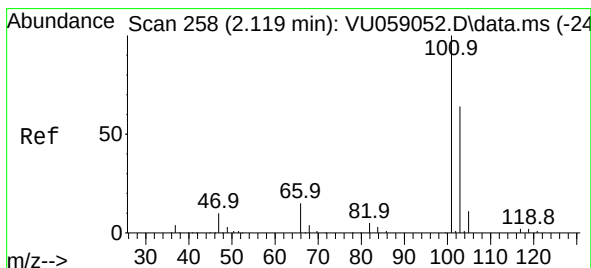
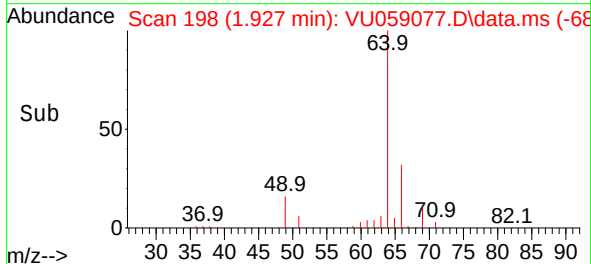
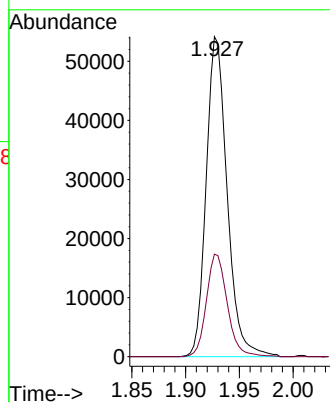
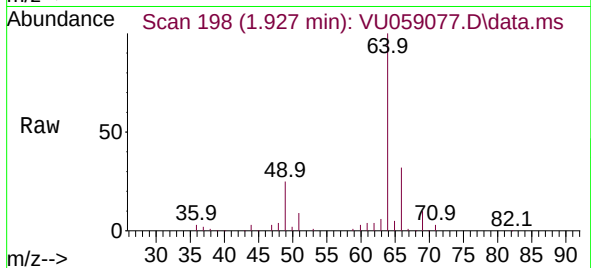




#8
Chloroethane
Concen: 47.750 ug/L
RT: 1.927 min Scan# 11
Delta R.T. 0.020 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

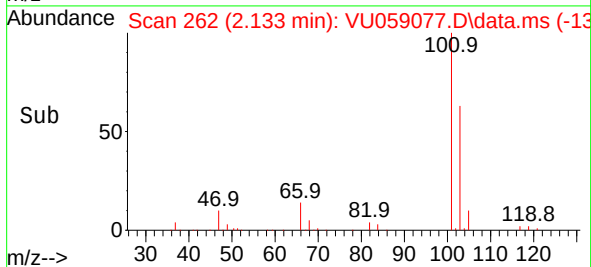
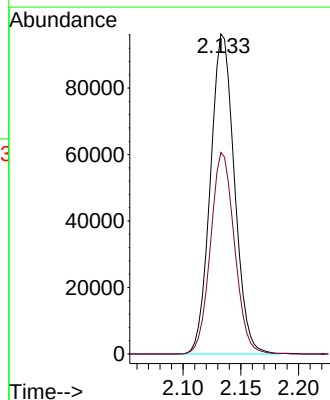
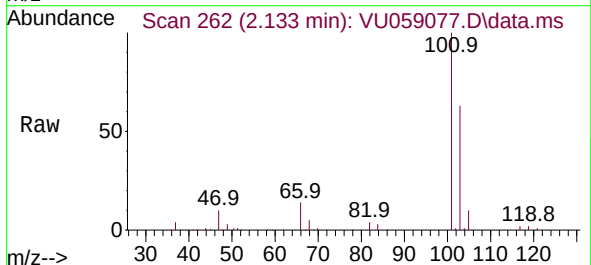
Instrument :
MSVOA_U
ClientSampleId :

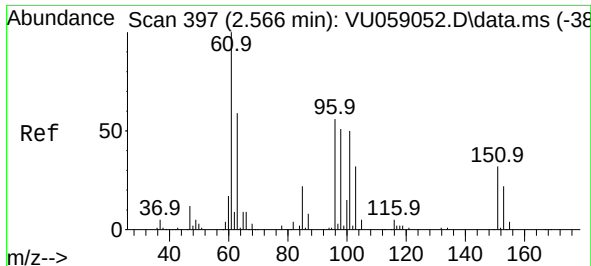
Tgt Ion: 64 Resp: 73472
Ion Ratio Lower Upper
64 100
66 32.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 48.579 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.013 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

Tgt Ion:101 Resp: 139485
Ion Ratio Lower Upper
101 100
103 62.8 51.8 77.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 47.725 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.010 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

ClientSampleId :

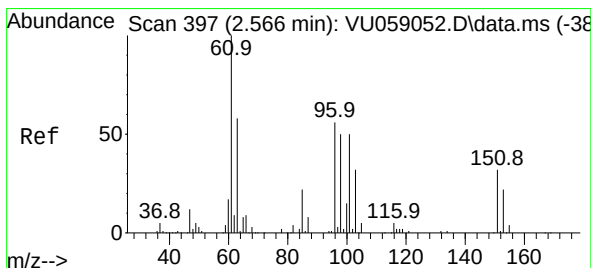
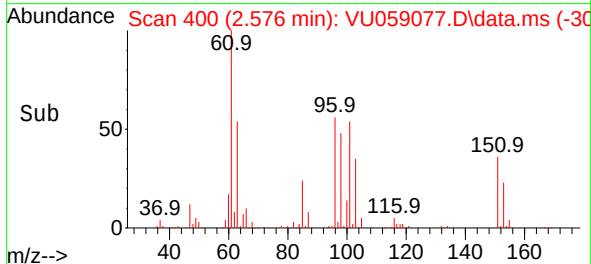
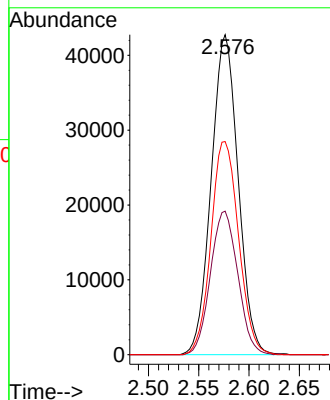
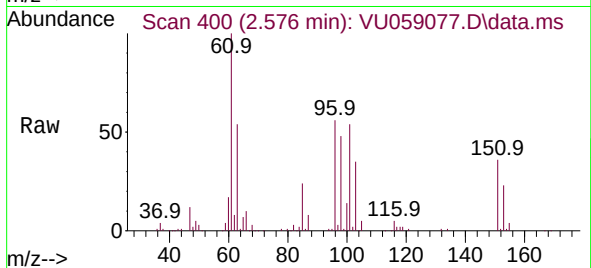
Tgt Ion:101 Resp: 79728

Ion Ratio Lower Upper

101 100

85 45.5 36.7 55.1

151 68.4 52.2 78.2



#12

1,1-Dichloroethene

Concen: 49.562 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.007 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

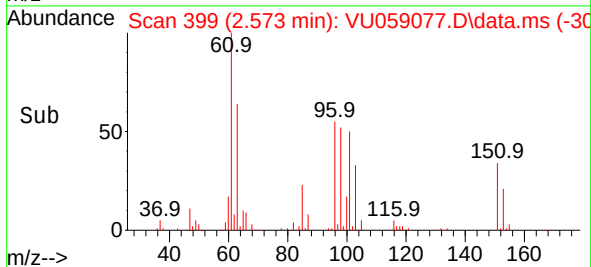
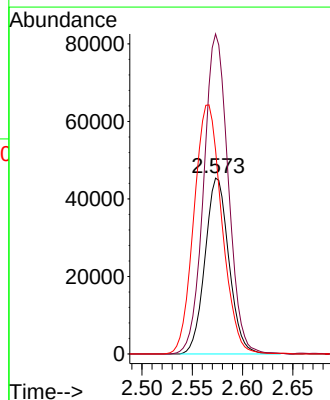
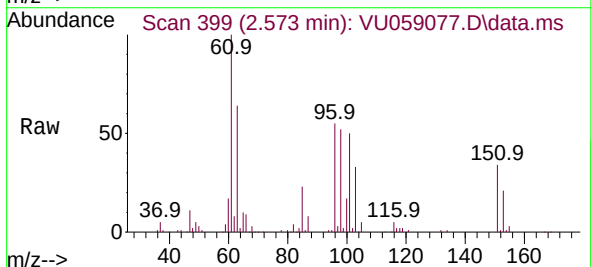
Tgt Ion: 96 Resp: 75096

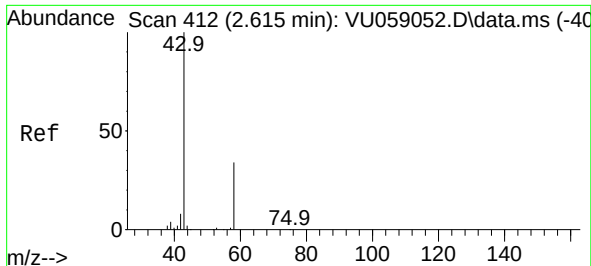
Ion Ratio Lower Upper

96 100

61 181.9 126.3 234.6

63 116.0 78.7 146.1





#13

Acetone

Concen: 65.825 ug/L

RT: 2.615 min Scan# 412

Delta R.T. 0.000 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

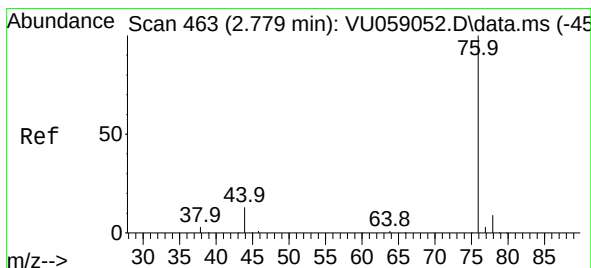
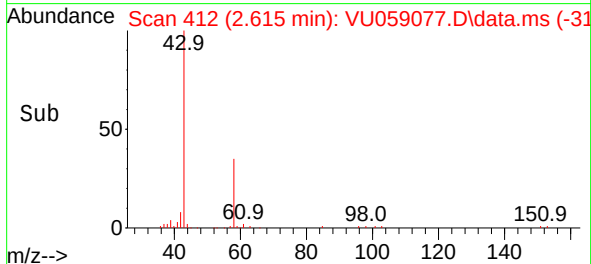
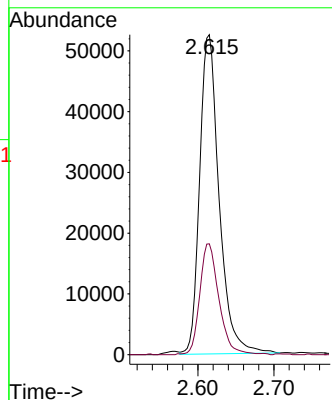
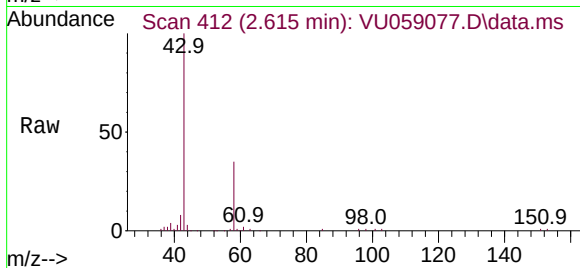
ClientSampleId :

Tgt Ion: 43 Resp: 93633

Ion Ratio Lower Upper

43 100

58 33.5 0.0 68.8



#14

Carbon disulfide

Concen: 48.579 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.010 min

Lab File: VU059077.D

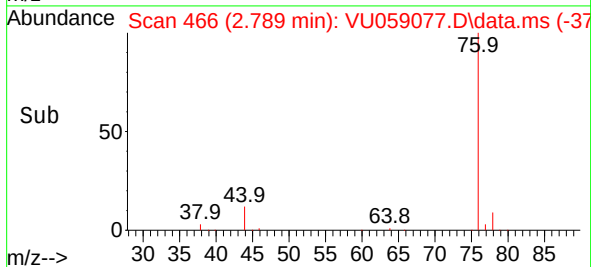
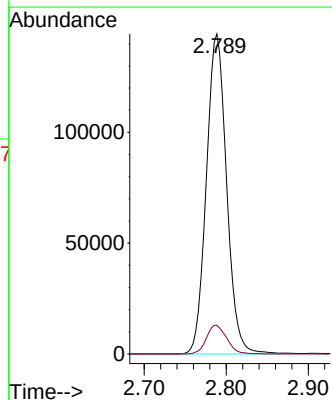
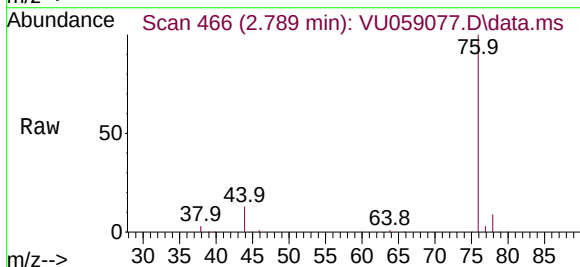
Acq: 30 May 2024 01:18

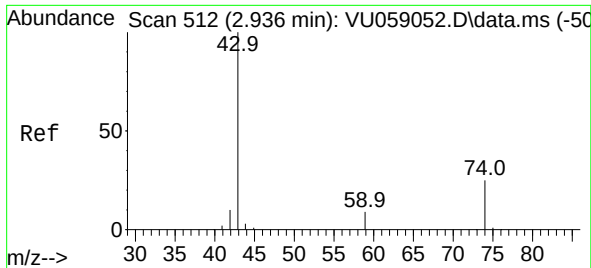
Tgt Ion: 76 Resp: 247896

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8





#15

Methyl Acetate

Concen: 48.111 ug/L

RT: 2.936 min Scan# 512

Delta R.T. 0.000 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

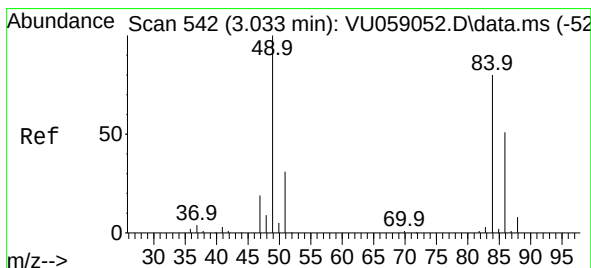
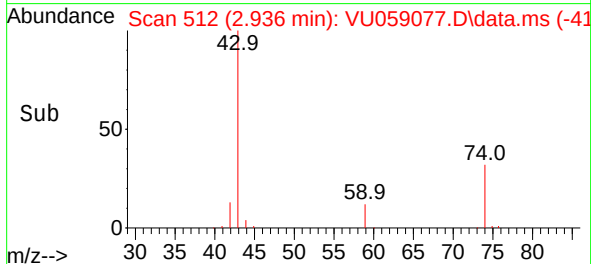
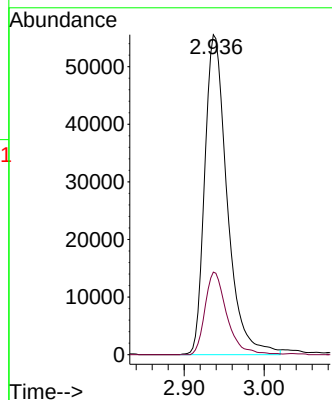
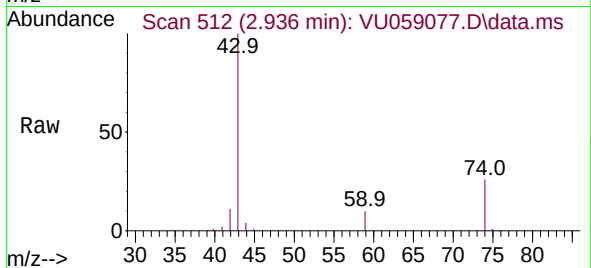
ClientSampleId :

Tgt Ion: 43 Resp: 108403

Ion Ratio Lower Upper

43 100

74 25.0 20.8 31.2



#16

Methylene chloride

Concen: 46.376 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.003 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

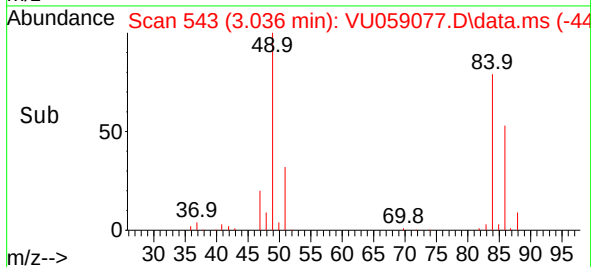
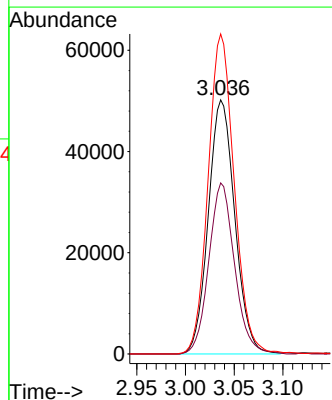
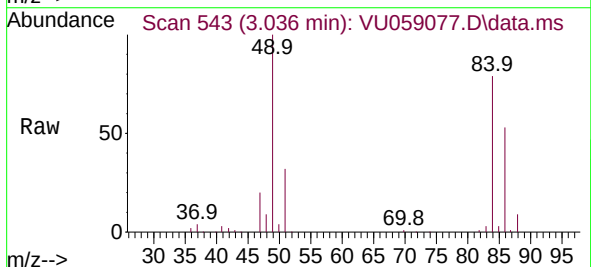
Tgt Ion: 84 Resp: 95078

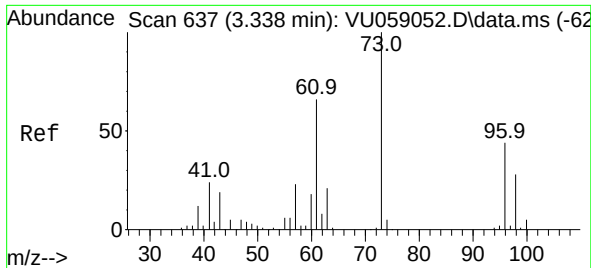
Ion Ratio Lower Upper

84 100

86 67.3 44.9 83.3

49 125.9 87.5 162.5

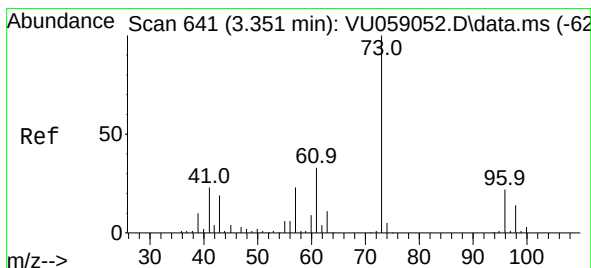
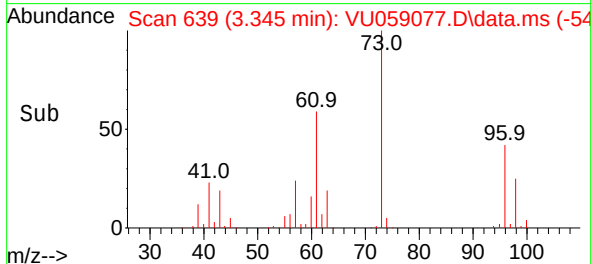
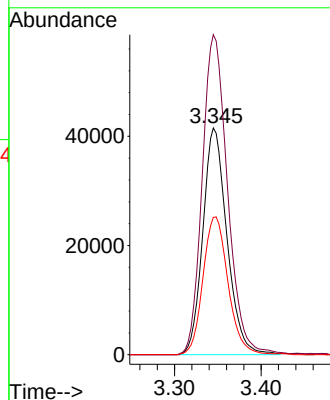
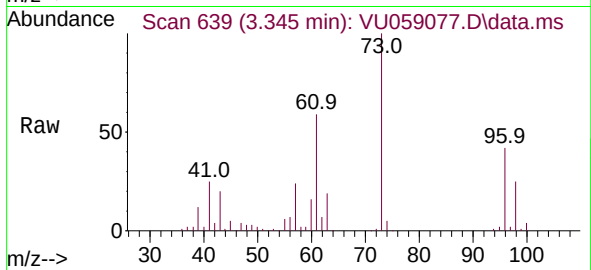




#17
trans-1,2-Dichloroethene
Concen: 49.265 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.007 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

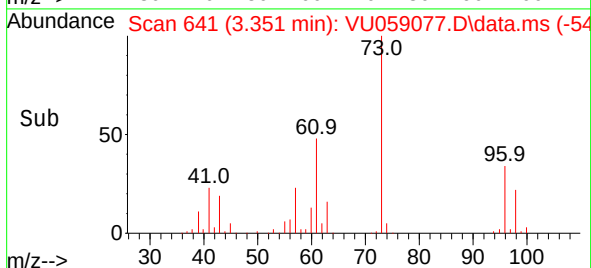
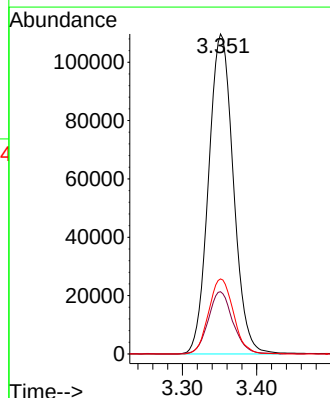
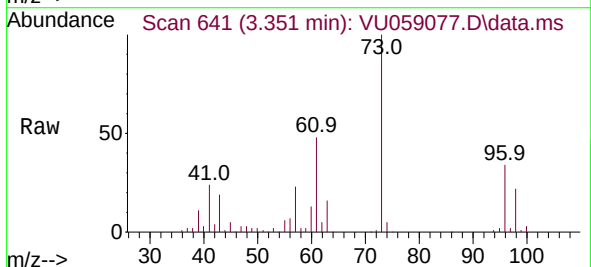
Instrument :
MSVOA_U
ClientSampleId :

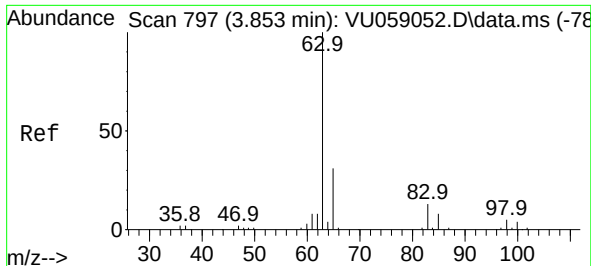
Tgt Ion: 96 Resp: 80568
Ion Ratio Lower Upper
96 100
61 141.2 103.5 192.3
98 60.5 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 47.856 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

Tgt Ion: 73 Resp: 254226
Ion Ratio Lower Upper
73 100
43 19.4 15.6 23.4
57 23.3 18.6 28.0





#19

1,1-Dichloroethane

Concen: 48.164 ug/L

RT: 3.859 min Scan# 797

Delta R.T. 0.007 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

ClientSampleId :

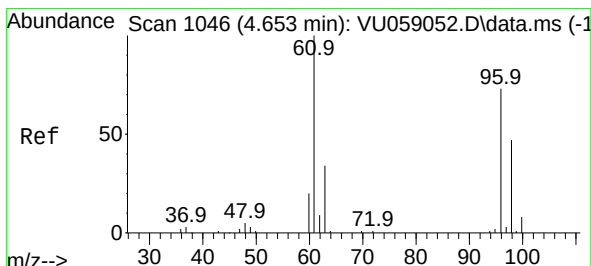
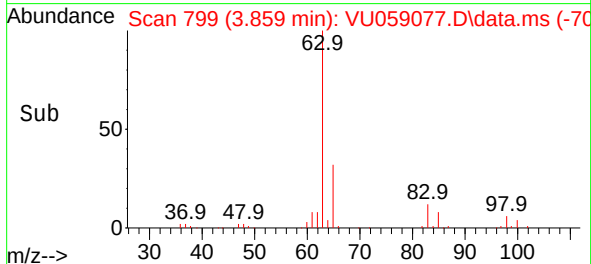
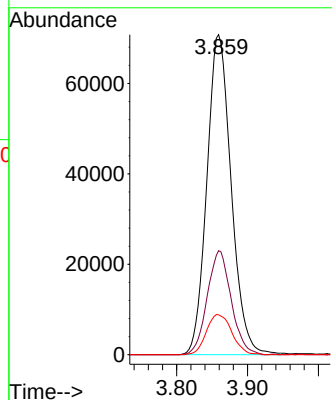
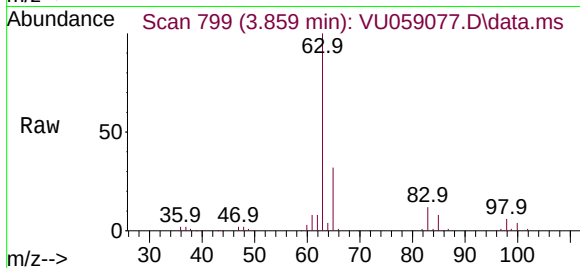
Tgt Ion: 63 Resp: 168835

Ion Ratio Lower Upper

63 100

65 32.5 21.3 39.5

83 12.5 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 49.465 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

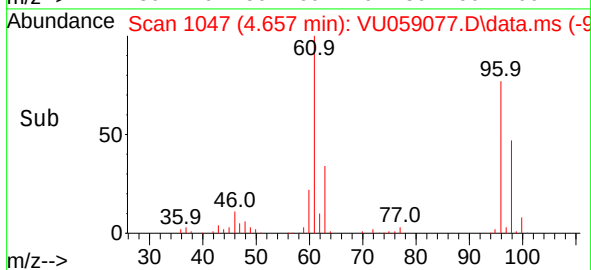
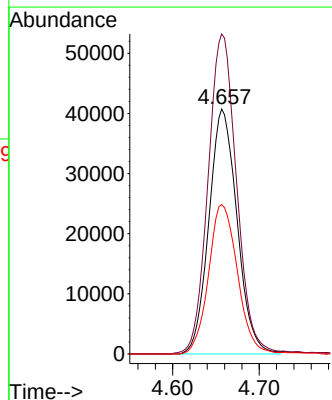
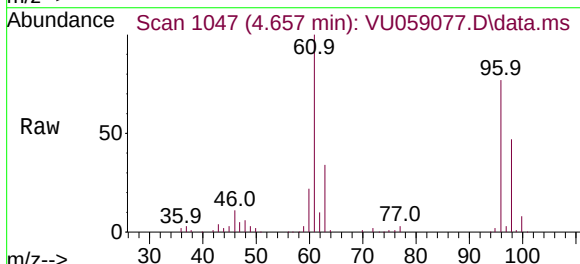
Tgt Ion: 96 Resp: 92183

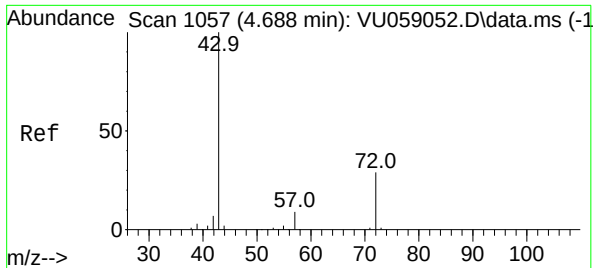
Ion Ratio Lower Upper

96 100

61 130.7 96.2 178.6

98 61.0 45.6 84.6

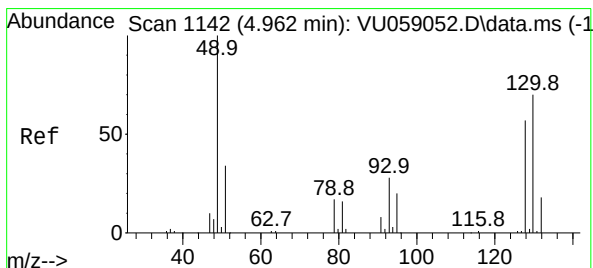
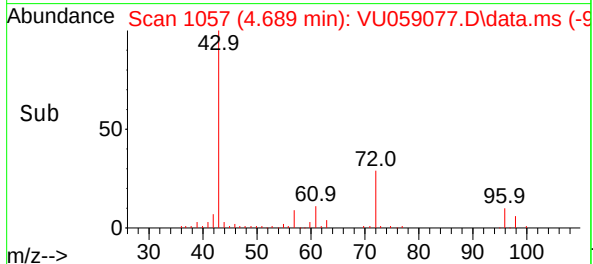
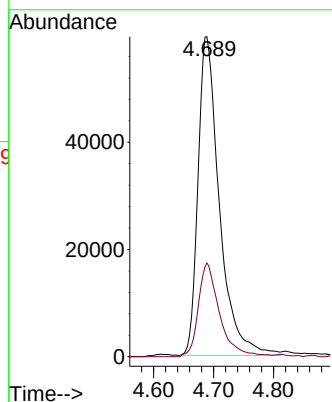
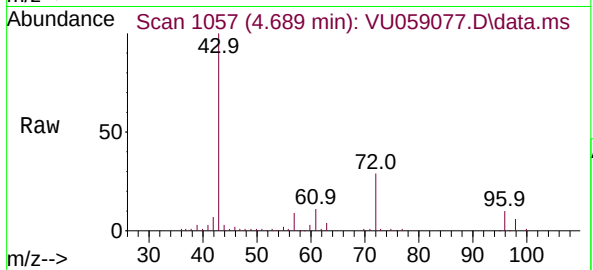




#22
2-Butanone
Concen: 85.649 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

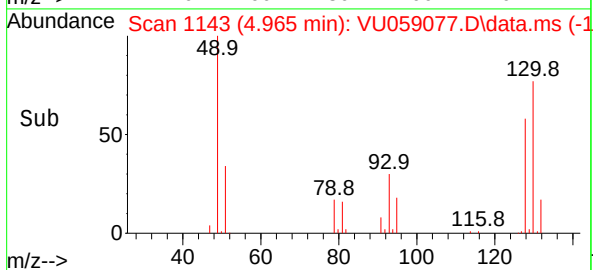
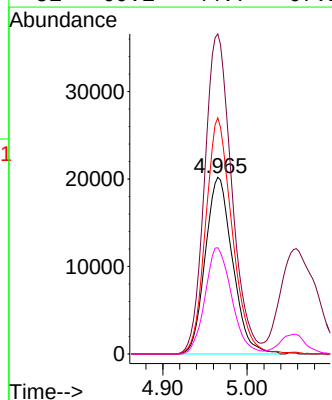
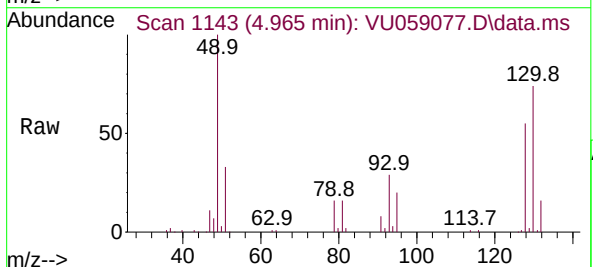
Instrument :
MSVOA_U
ClientSampleId :

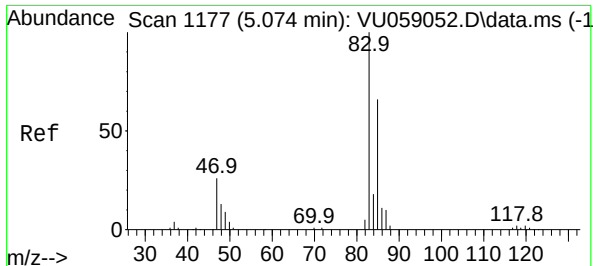
Tgt Ion: 43 Resp: 147499
Ion Ratio Lower Upper
43 100
72 29.0 14.2 42.8



#23
Bromochloromethane
Concen: 48.022 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

Tgt Ion:128 Resp: 45331
Ion Ratio Lower Upper
128 100
49 181.2 128.4 238.4
130 133.7 86.9 161.3
51 60.1 44.7 67.1





#25

Chloroform

Concen: 49.636 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

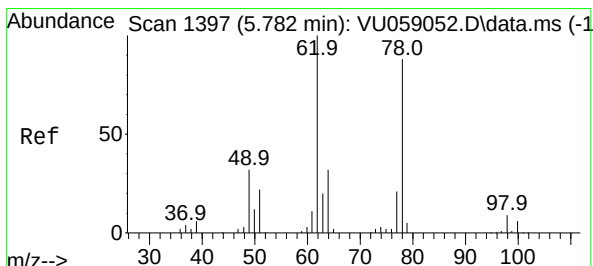
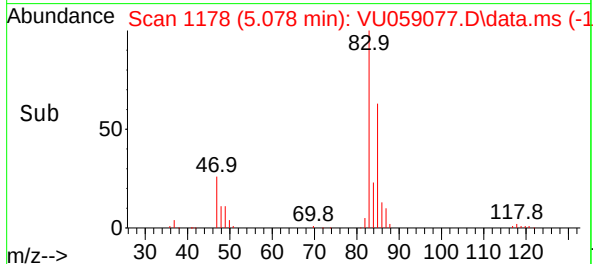
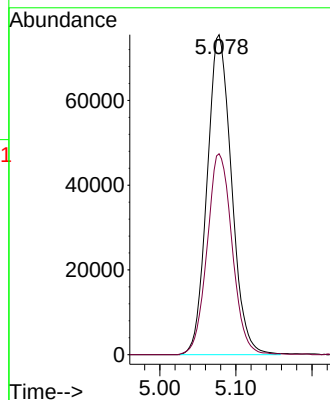
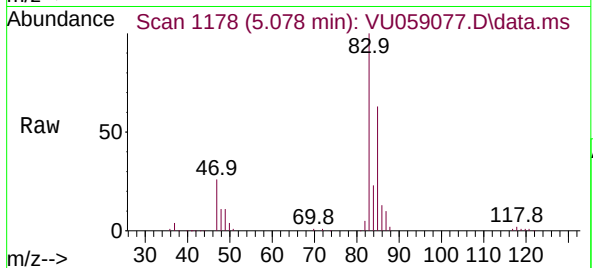
ClientSampleId :

Tgt Ion: 83 Resp: 168479

Ion Ratio Lower Upper

83 100

85 62.8 46.1 85.7



#27

1,2-Dichloroethane

Concen: 47.520 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU059077.D

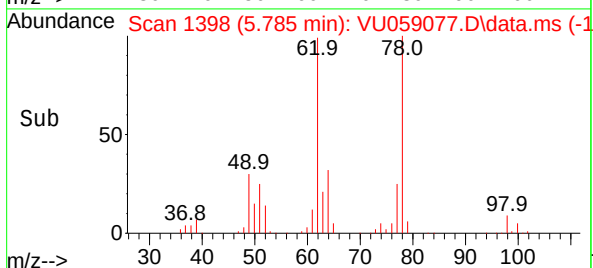
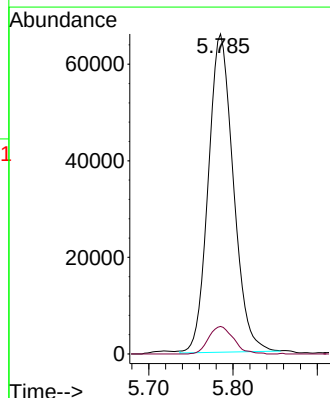
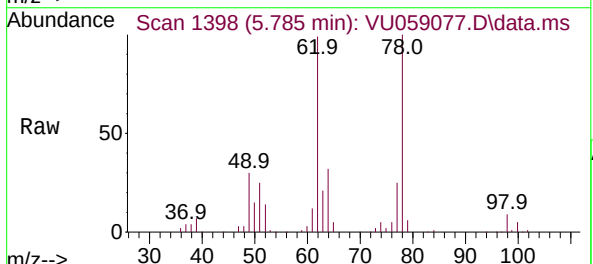
Acq: 30 May 2024 01:18

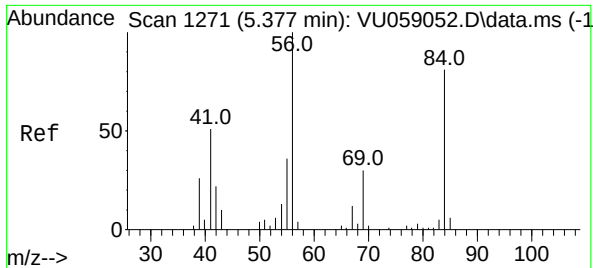
Tgt Ion: 62 Resp: 136260

Ion Ratio Lower Upper

62 100

98 8.6 6.9 10.3

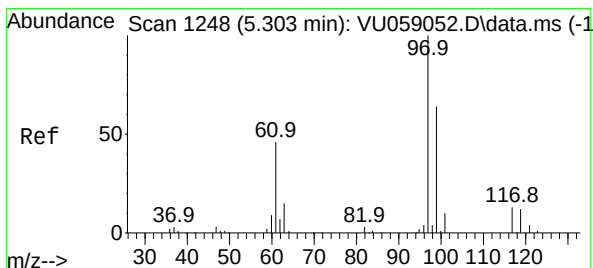
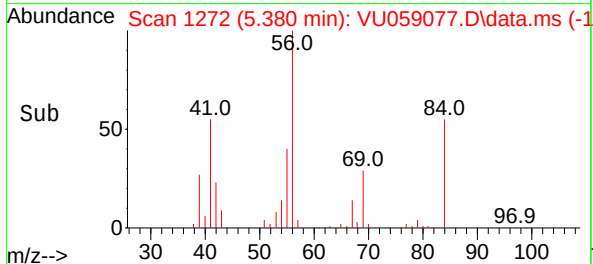
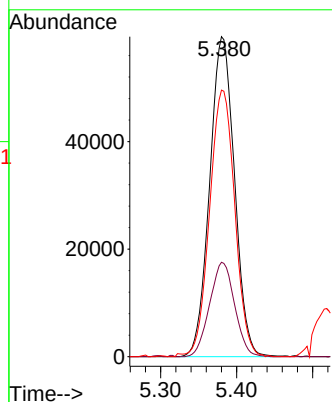
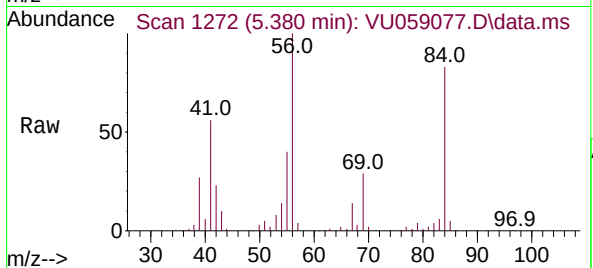




#29
Cyclohexane
Concen: 46.317 ug/L
RT: 5.380 min Scan# 1271
Delta R.T. 0.003 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

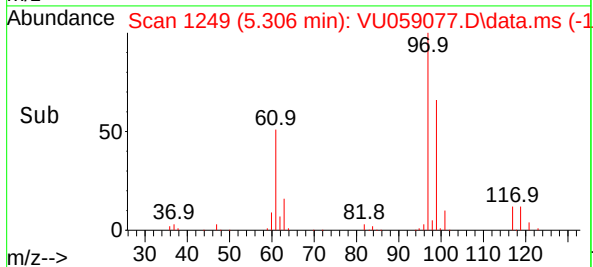
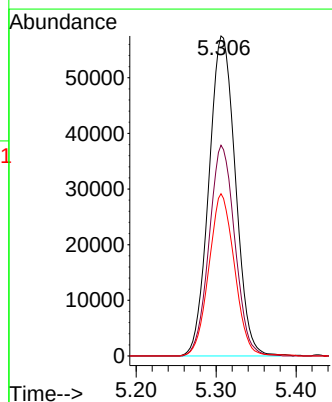
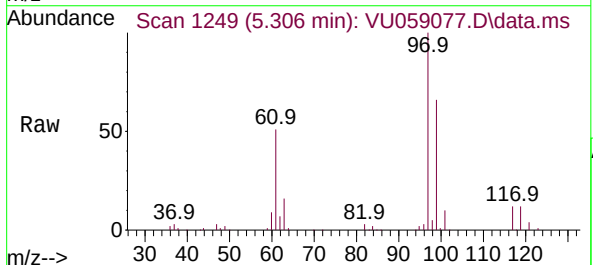
Instrument :
MSVOA_U
ClientSampleId :

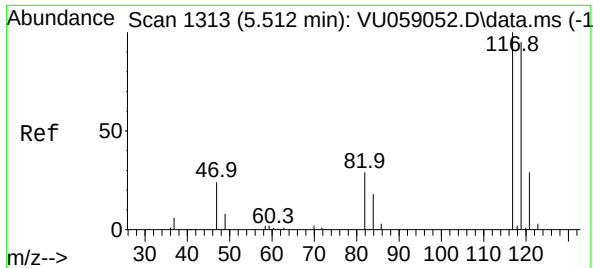
Tgt Ion: 56 Resp: 134892
Ion Ratio Lower Upper
56 100
69 29.7 24.6 37.0
84 84.4 67.4 101.0



#30
1,1,1-Trichloroethane
Concen: 46.742 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

Tgt Ion: 97 Resp: 132577
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 48.8 39.1 58.7

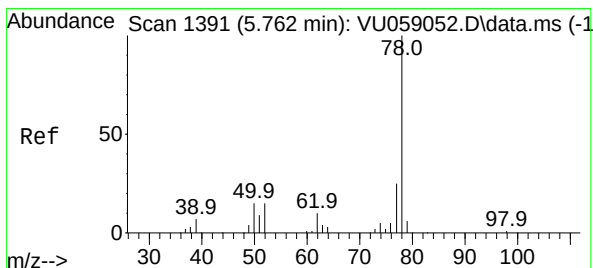
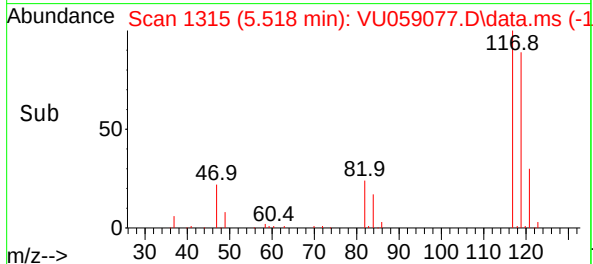
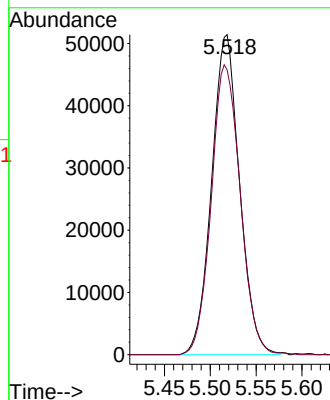
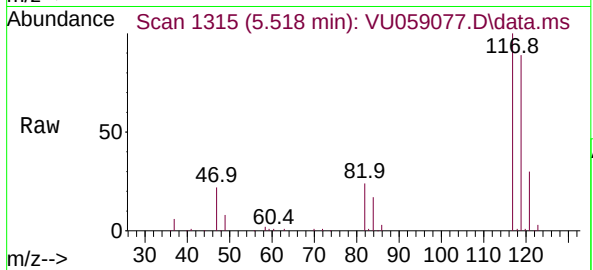




#31
Carbon tetrachloride
Concen: 47.259 ug/L
RT: 5.518 min Scan# 1313
Delta R.T. 0.007 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

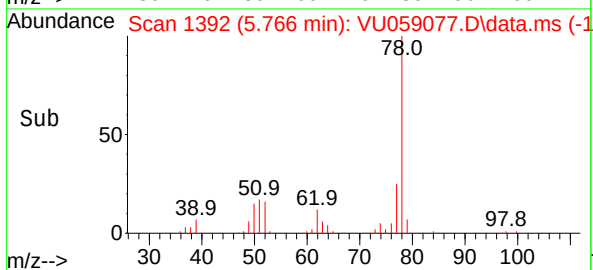
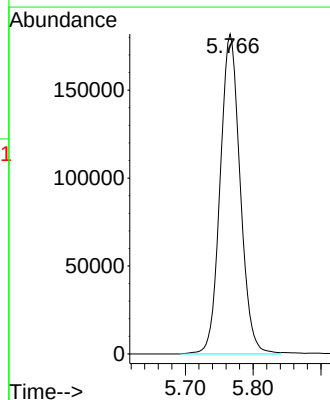
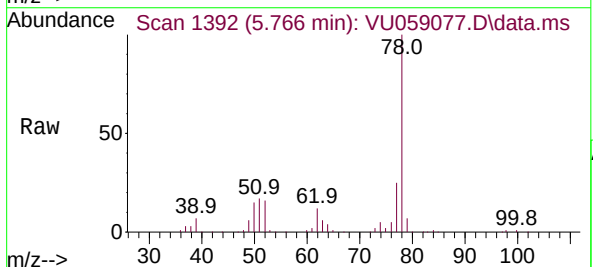
Instrument :
MSVOA_U
ClientSampleId :

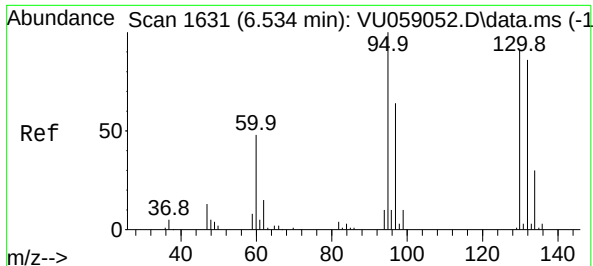
Tgt Ion:117 Resp: 108878
Ion Ratio Lower Upper
117 100
119 93.8 76.9 115.3



#33
Benzene
Concen: 47.318 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

Tgt Ion: 78 Resp: 372728

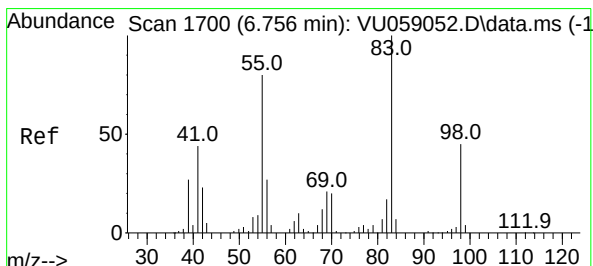
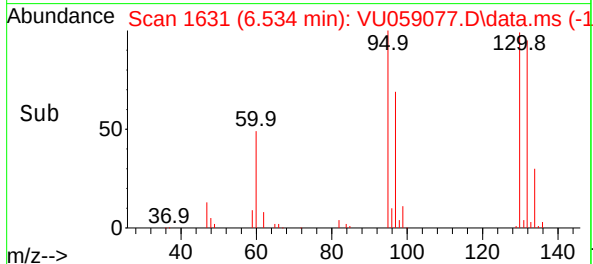
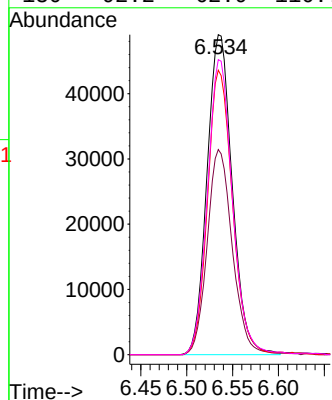
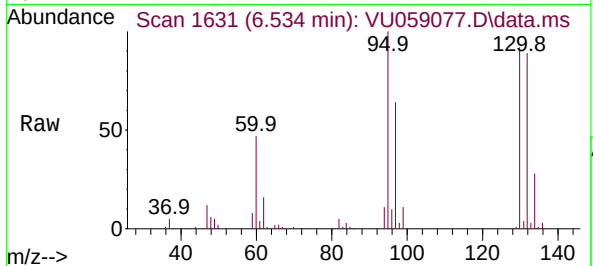




#34
Trichloroethene
Concen: 48.694 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

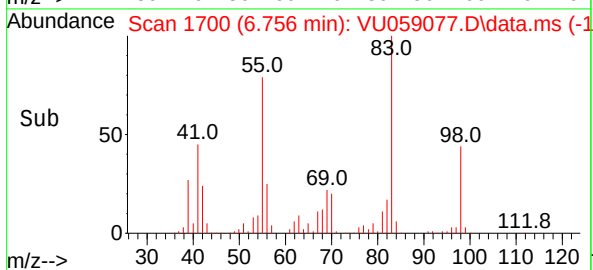
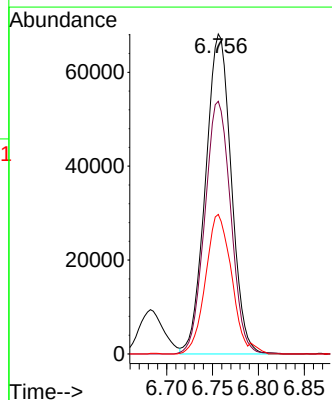
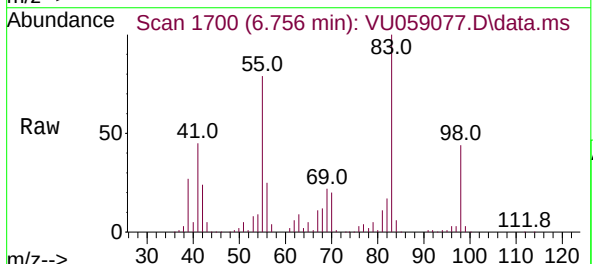
Instrument :
MSVOA_U
ClientSampleId :

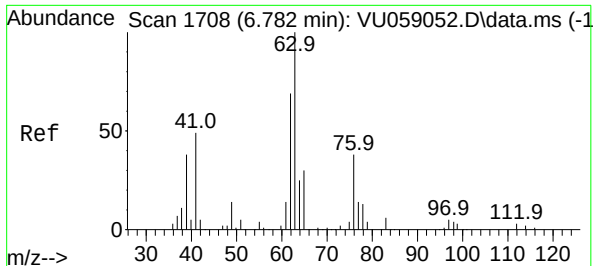
Tgt Ion: 95 Resp: 93920
Ion Ratio Lower Upper
95 100
97 64.1 45.2 84.0
132 88.9 60.6 112.6
130 92.2 62.9 116.7



#35
Methylcyclohexane
Concen: 47.061 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

Tgt Ion: 83 Resp: 133462
Ion Ratio Lower Upper
83 100
55 79.6 63.9 95.9
98 43.3 34.7 52.1

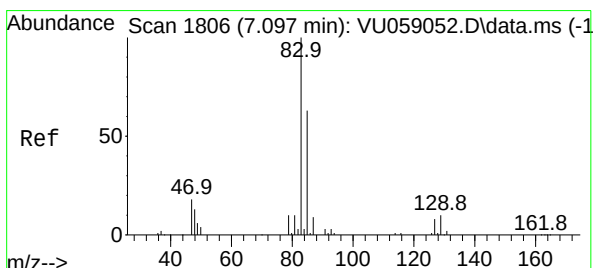
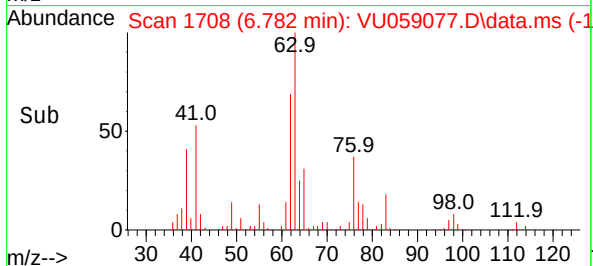
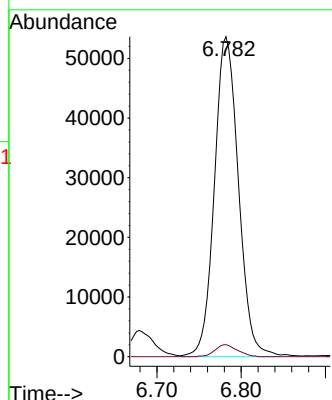
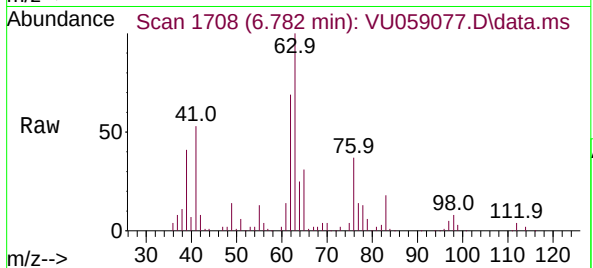




#37
1,2-Dichloropropane
Concen: 47.515 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

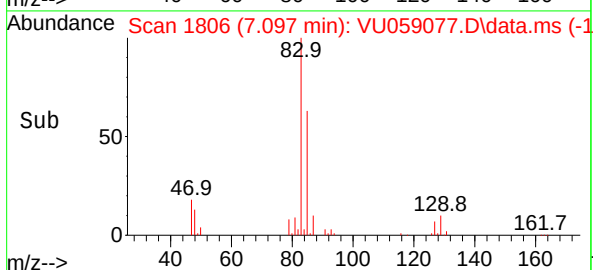
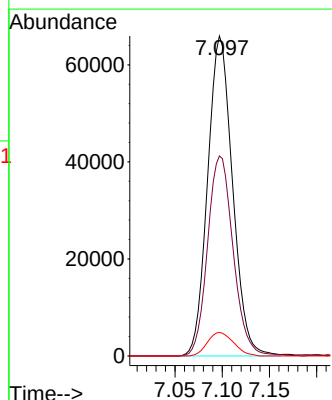
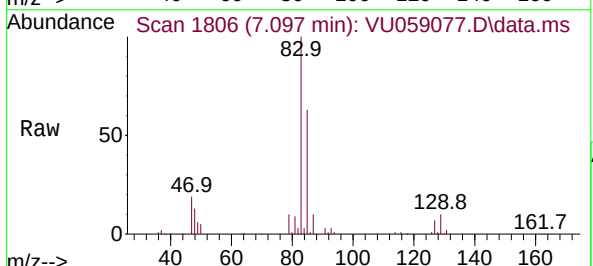
Instrument :
MSVOA_U
ClientSampleId :

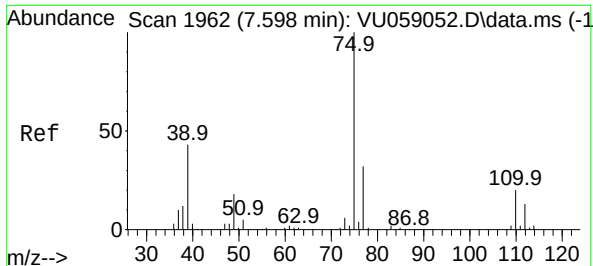
Tgt Ion: 63 Resp: 106280
Ion Ratio Lower Upper
63 100
112 3.5 2.6 4.0



#38
Bromodichloromethane
Concen: 46.425 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

Tgt Ion: 83 Resp: 120960
Ion Ratio Lower Upper
83 100
85 62.5 44.0 81.6
127 7.3 7.0 10.6

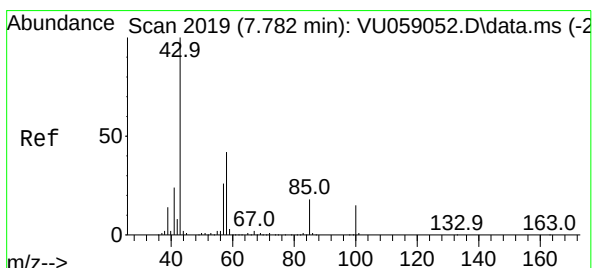
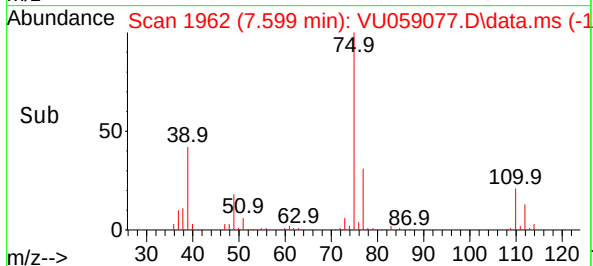
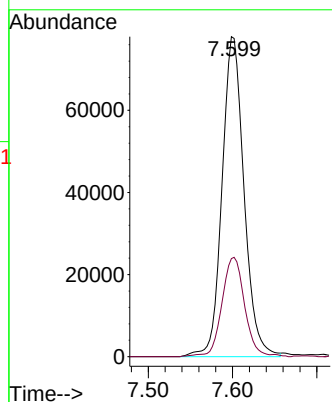
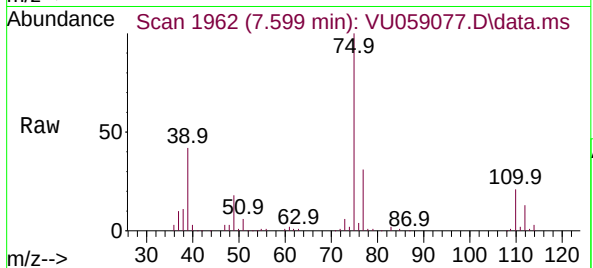




#39
 cis-1,3-Dichloropropene
 Concen: 45.534 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VU059077.D
 Acq: 30 May 2024 01:18

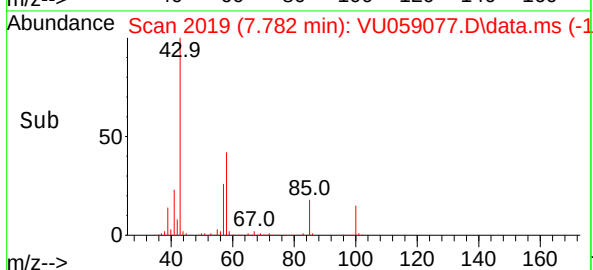
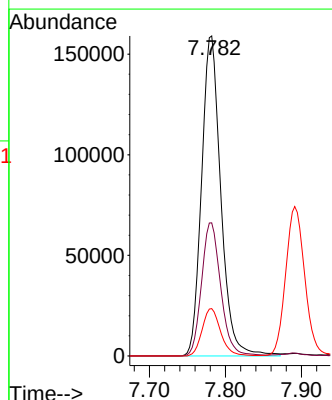
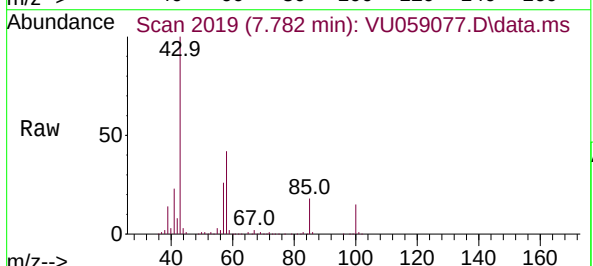
Instrument :
 MSVOA_U
 ClientSampleId :

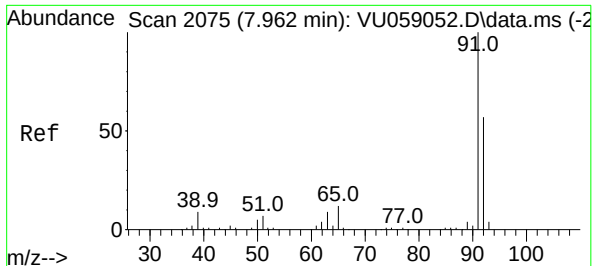
Tgt Ion: 75 Resp: 140919
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 95.545 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU059077.D
 Acq: 30 May 2024 01:18

Tgt Ion: 43 Resp: 280177
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.7 50.5
 100 14.2 11.4 17.0





#42

Toluene

Concen: 49.317 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

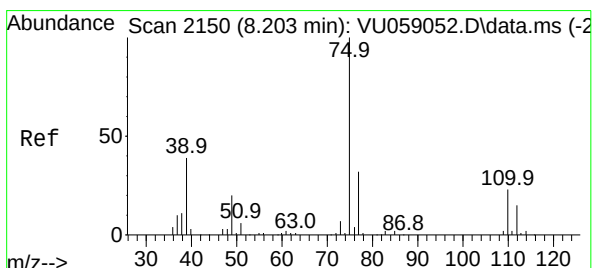
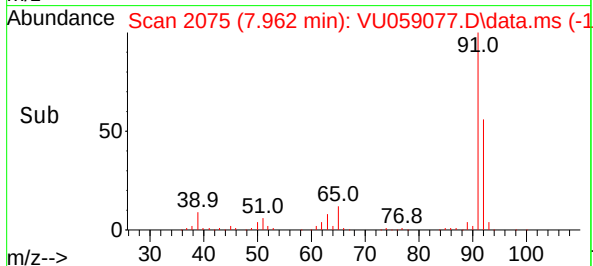
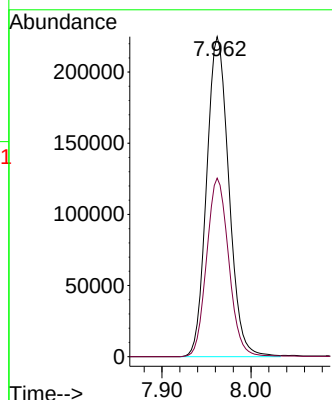
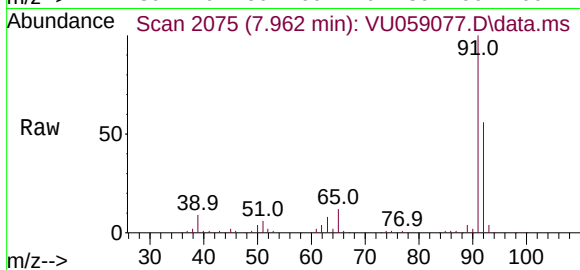
ClientSampleId :

Tgt Ion: 91 Resp: 389940

Ion Ratio Lower Upper

91 100

92 55.8 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 46.224 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059077.D

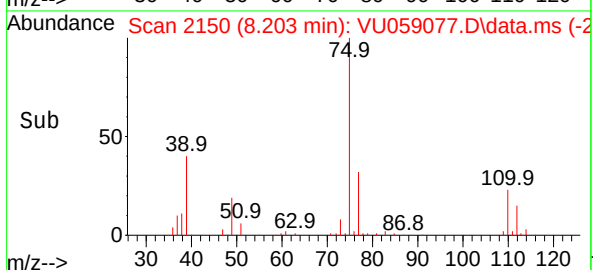
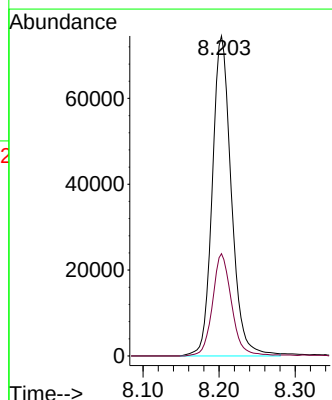
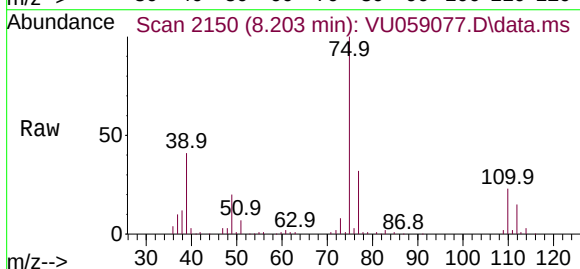
Acq: 30 May 2024 01:18

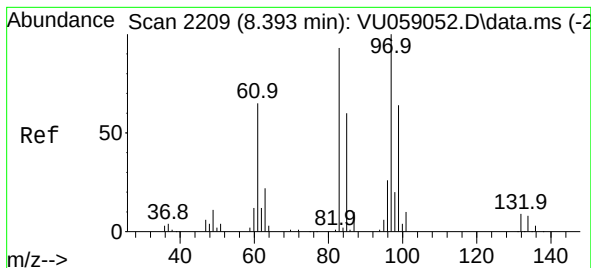
Tgt Ion: 75 Resp: 129510

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 47.007 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 94536

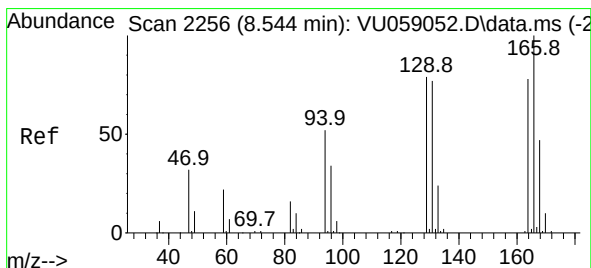
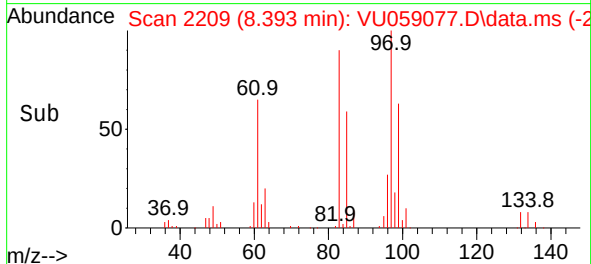
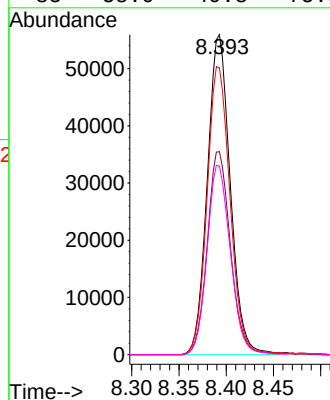
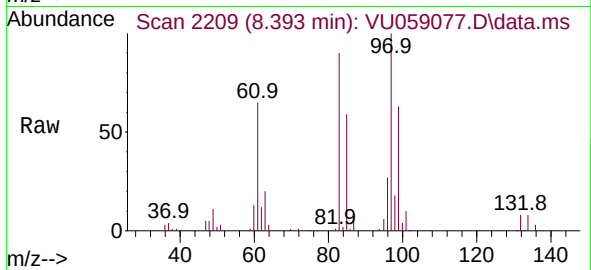
Ion Ratio Lower Upper

97 100

99 63.4 44.0 81.6

83 89.7 63.6 118.2

85 58.9 40.8 75.8



#46

Tetrachloroethene

Concen: 48.549 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Tgt Ion:164 Resp: 62372

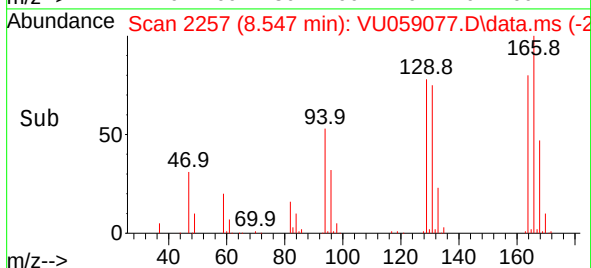
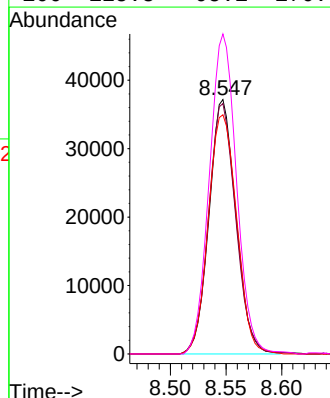
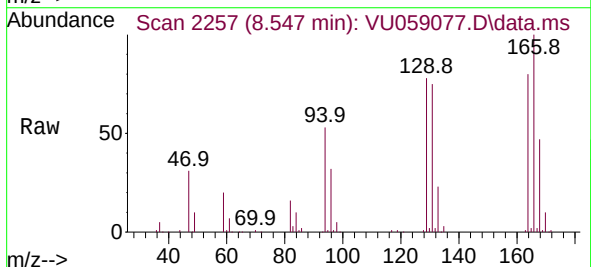
Ion Ratio Lower Upper

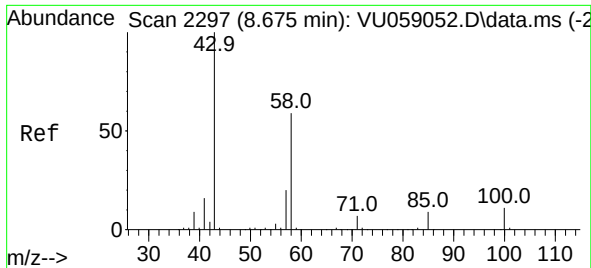
164 100

129 98.4 74.5 138.5

131 94.0 70.6 131.0

166 125.8 95.1 176.7



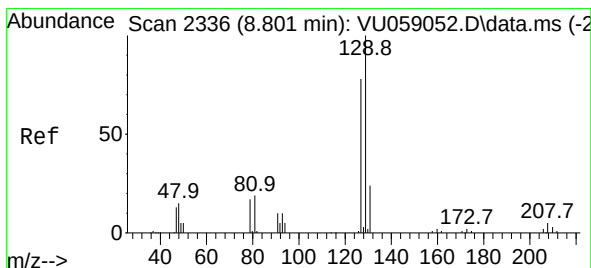
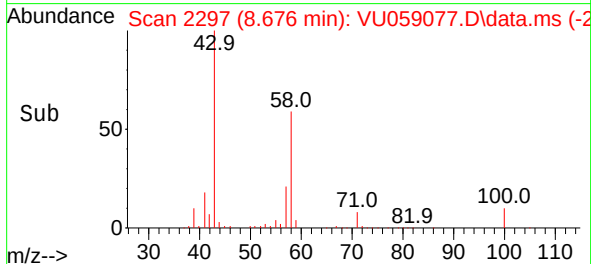
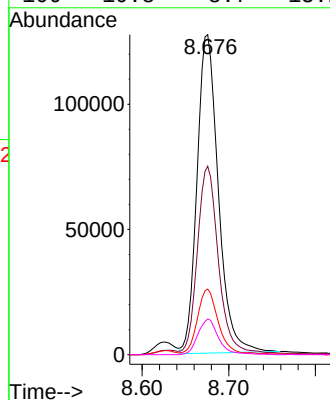
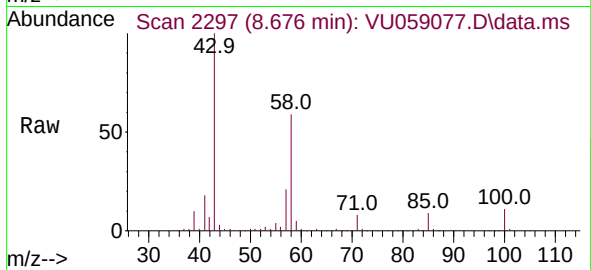


#48
2-Hexanone
Concen: 88.002 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 217643

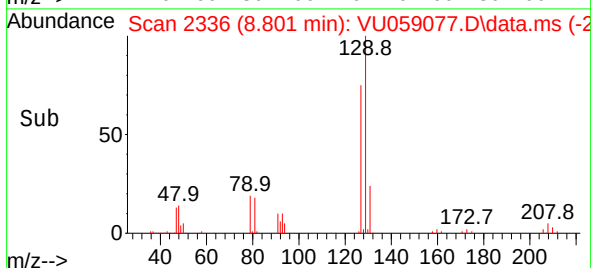
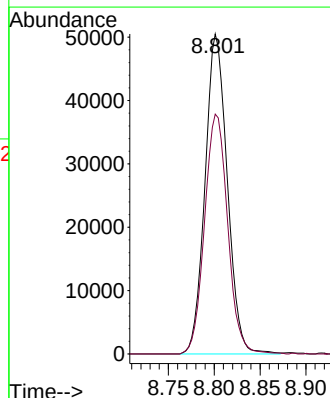
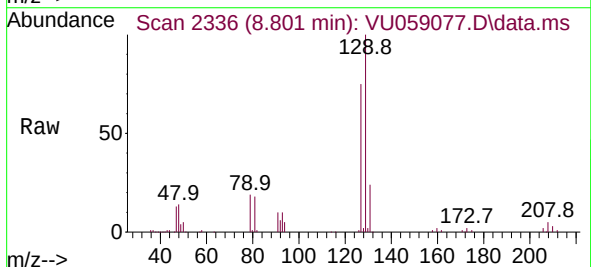
Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.9	68.9
57	19.0	16.3	24.5
100	10.8	8.7	13.1

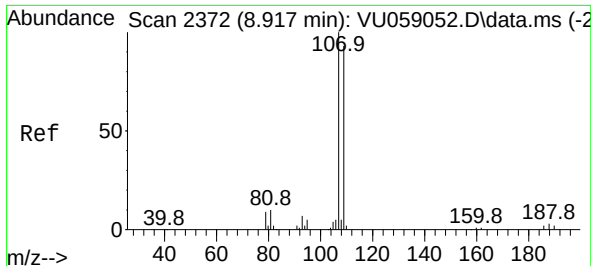


#49
Dibromochloromethane
Concen: 46.907 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

Tgt Ion: 129 Resp: 85253

Ion	Ratio	Lower	Upper
129	100		
127	74.9	53.3	98.9

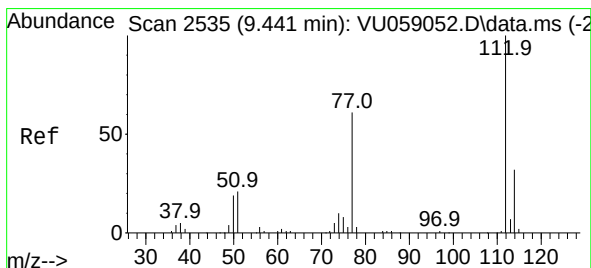
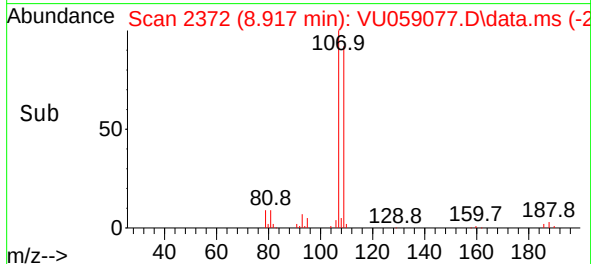
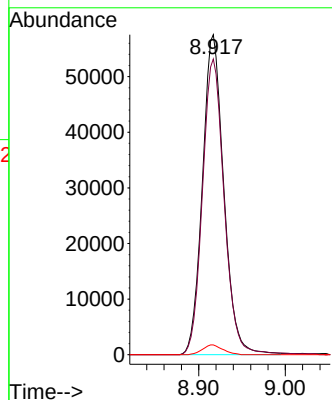
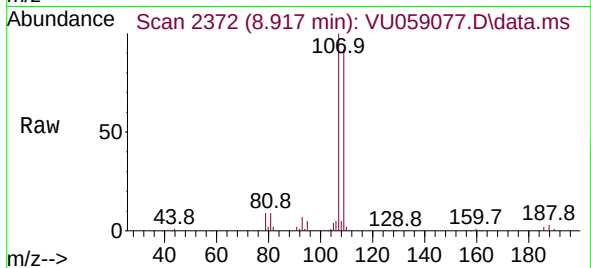




#50
1,2-Dibromoethane
Concen: 47.528 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

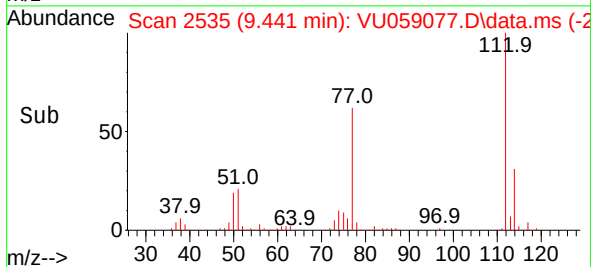
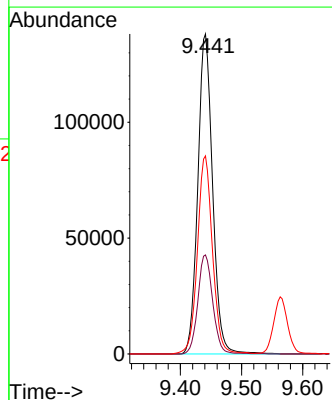
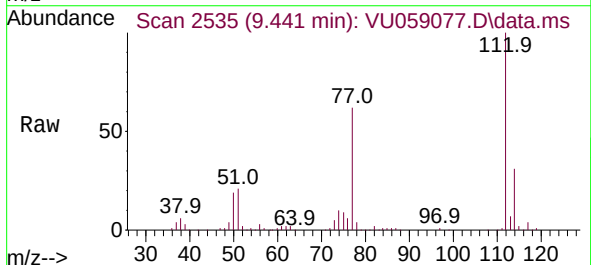
Instrument :
MSVOA_U
ClientSampleId :

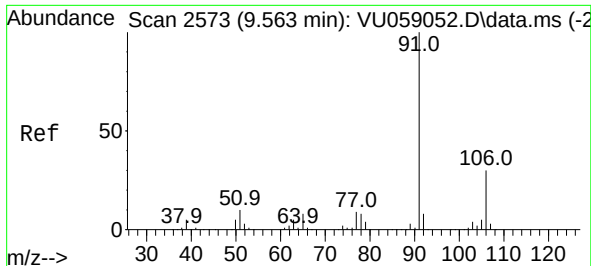
Tgt Ion:107 Resp: 98598
Ion Ratio Lower Upper
107 100
109 92.4 67.8 125.8
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 48.640 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

Tgt Ion:112 Resp: 232118
Ion Ratio Lower Upper
112 100
114 30.9 22.1 41.1
77 61.9 49.8 74.6





#52

Ethylbenzene

Concen: 49.972 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

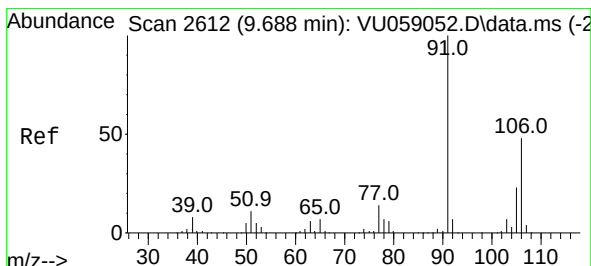
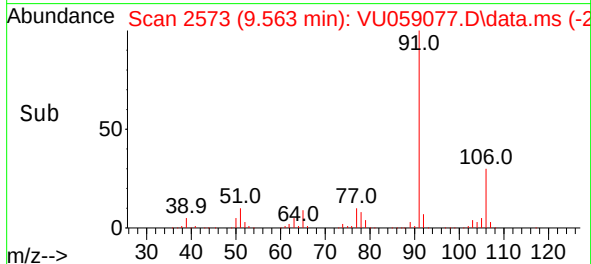
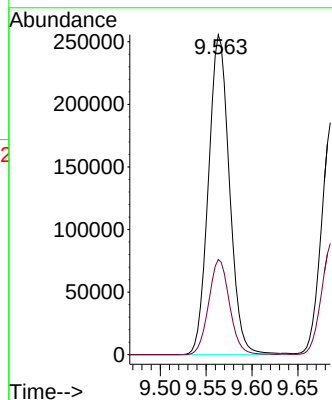
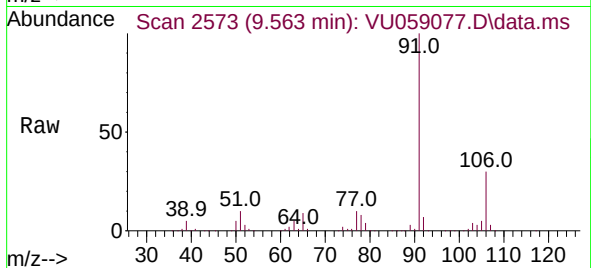
ClientSampleId :

Tgt Ion: 91 Resp: 407344

Ion Ratio Lower Upper

91 100

106 29.8 21.0 39.0



#53

m,p-Xylene

Concen: 50.518 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU059077.D

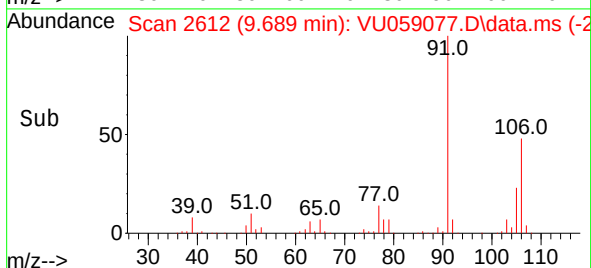
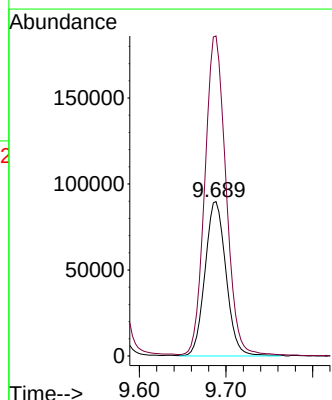
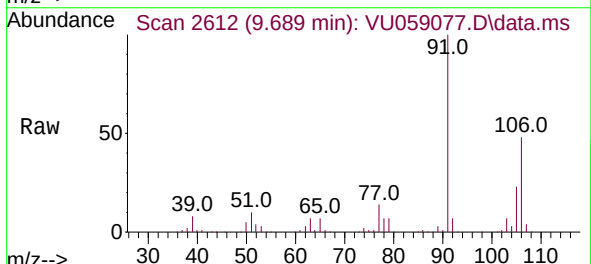
Acq: 30 May 2024 01:18

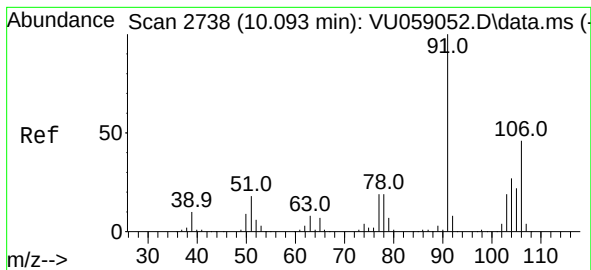
Tgt Ion:106 Resp: 151345

Ion Ratio Lower Upper

106 100

91 207.2 146.4 272.0





#54

o-Xylene

Concen: 50.068 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

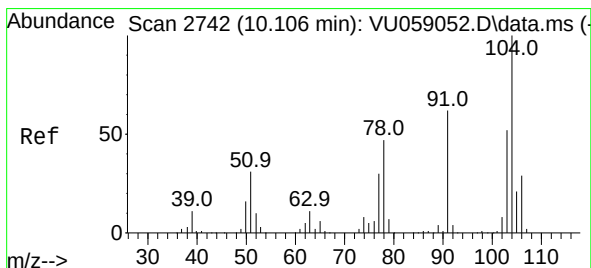
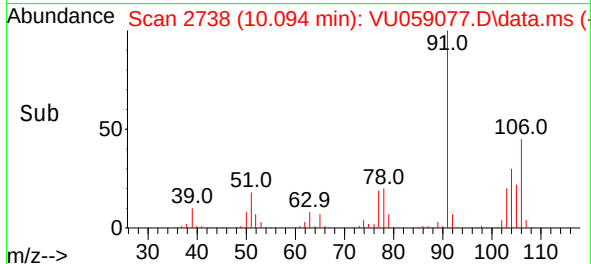
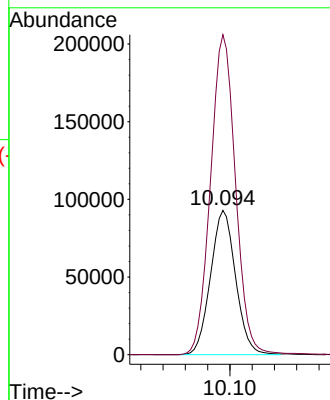
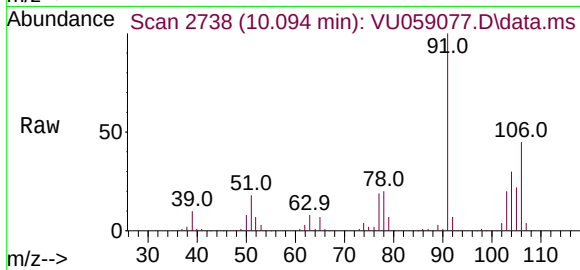
ClientSampleId :

Tgt Ion:106 Resp: 145369

Ion Ratio Lower Upper

106 100

91 221.6 156.7 290.9



#55

Styrene

Concen: 51.441 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU059077.D

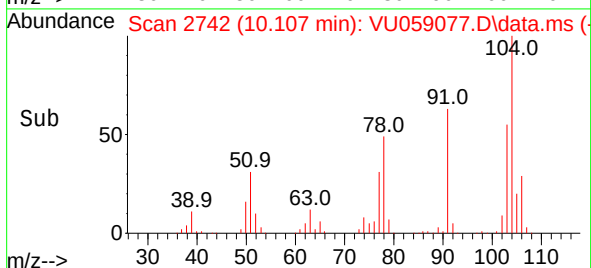
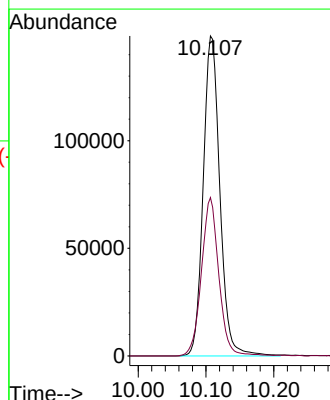
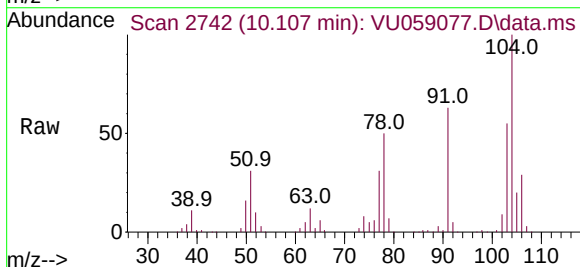
Acq: 30 May 2024 01:18

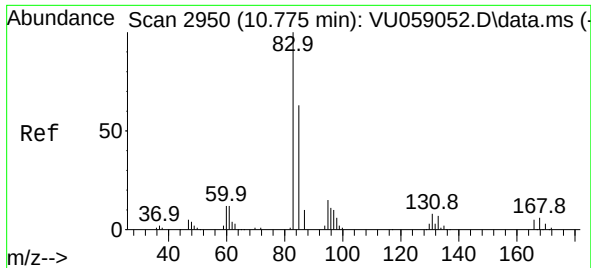
Tgt Ion:104 Resp: 253871

Ion Ratio Lower Upper

104 100

78 49.5 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 45.264 ug/L

RT: 10.772 min Scan# 2950

Delta R.T. -0.003 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

ClientSampleId :

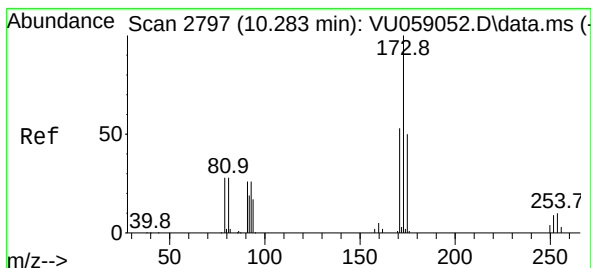
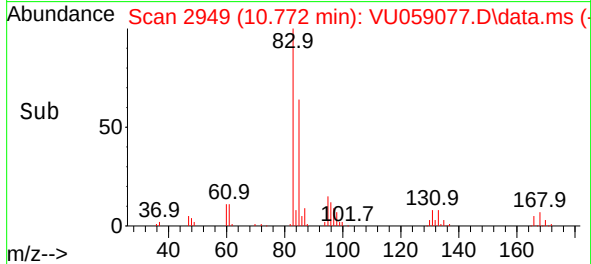
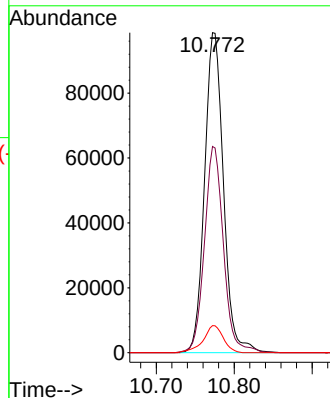
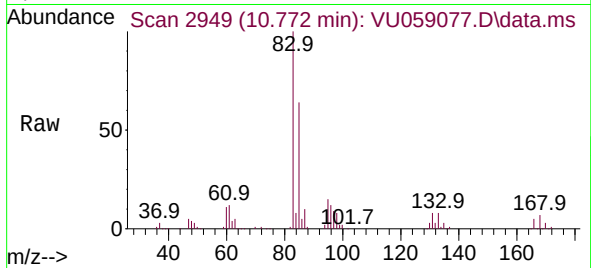
Tgt Ion: 83 Resp: 165825

Ion Ratio Lower Upper

83 100

85 64.4 46.1 85.7

131 8.5 7.0 10.4



#59

Bromoform

Concen: 46.214 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

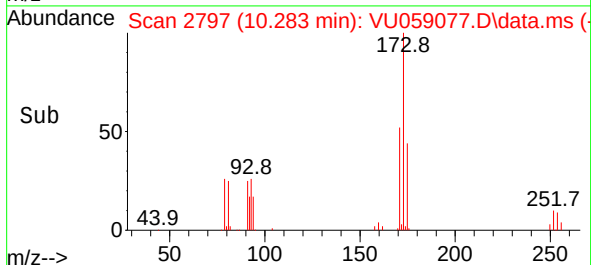
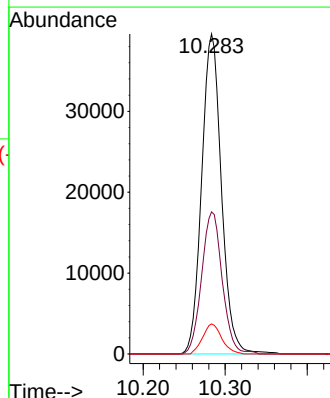
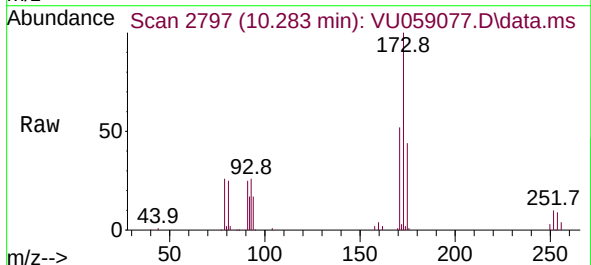
Tgt Ion:173 Resp: 66094

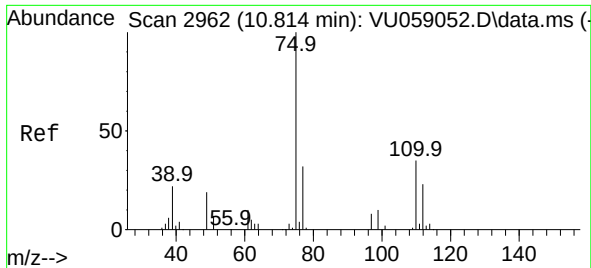
Ion Ratio Lower Upper

173 100

175 46.2 39.0 58.6

254 9.1 7.5 11.3

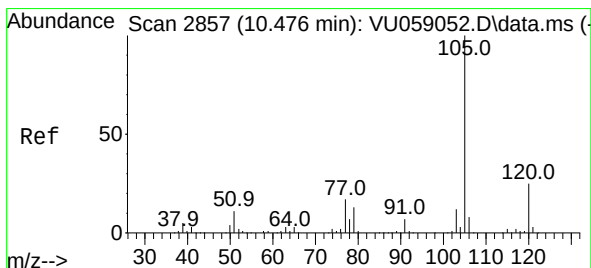
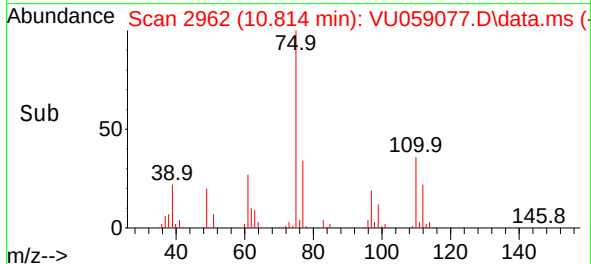
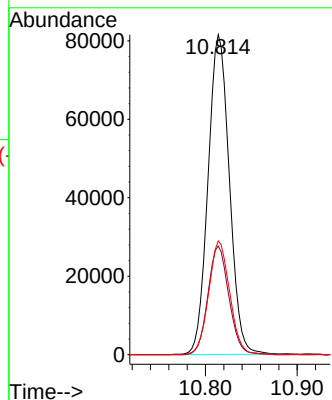
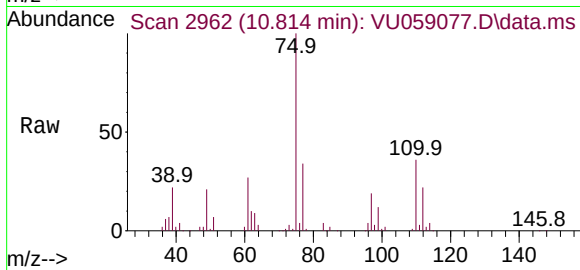




#60
1,2,3-Trichloropropane
Concen: 43.458 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

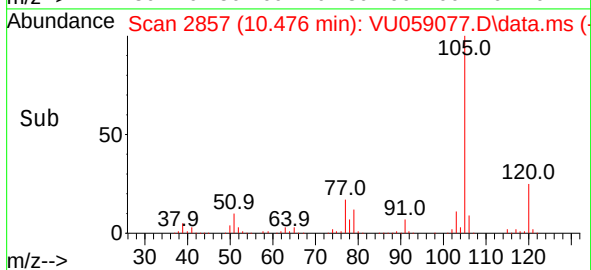
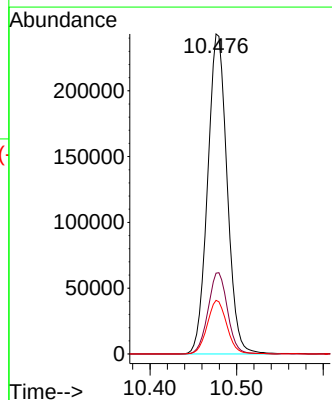
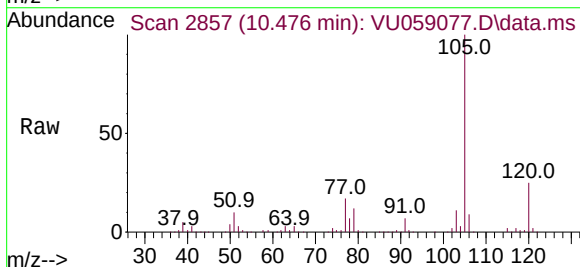
Instrument :
MSVOA_U
ClientSampleId :

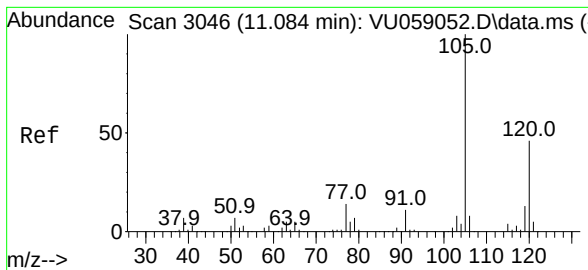
Tgt Ion: 75 Resp: 131822
Ion Ratio Lower Upper
75 100
77 33.4 26.2 39.2
110 35.1 28.4 42.6



#61
Isopropylbenzene
Concen: 49.505 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

Tgt Ion:105 Resp: 379903
Ion Ratio Lower Upper
105 100
120 25.4 20.3 30.5
77 16.8 13.4 20.0

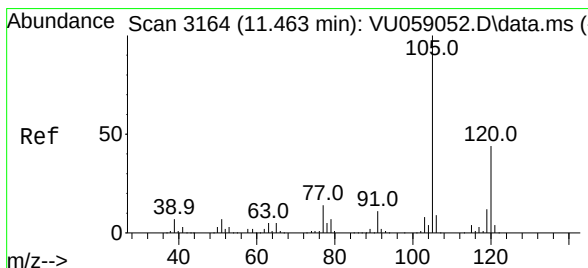
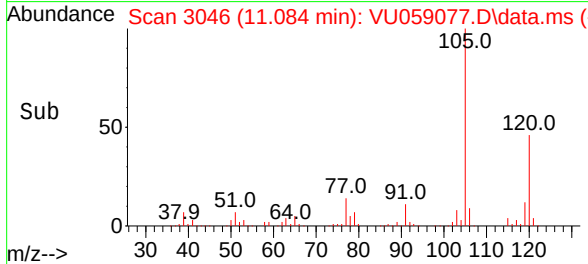
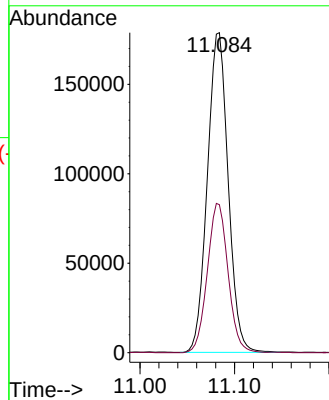
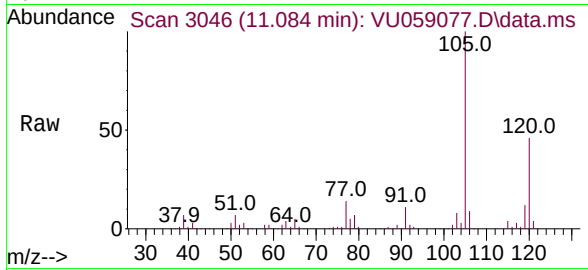




#62
 1,3,5-Trimethylbenzene
 Concen: 49.138 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU059077.D
 Acq: 30 May 2024 01:18

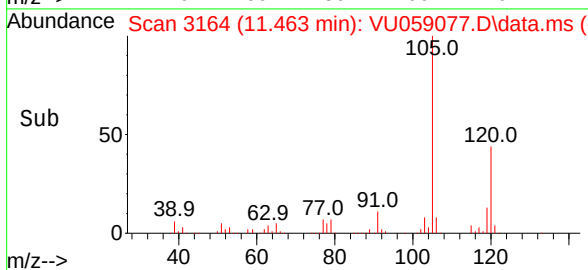
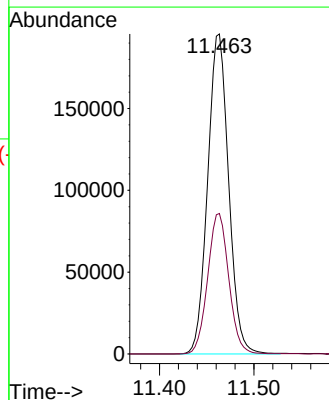
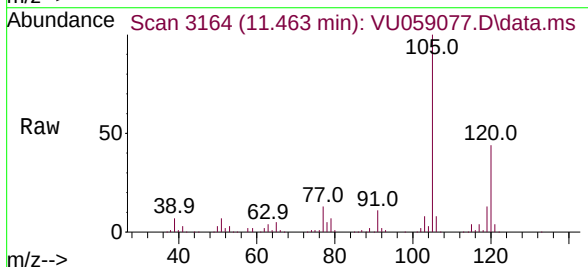
Instrument :
 MSVOA_U
 ClientSampleId :

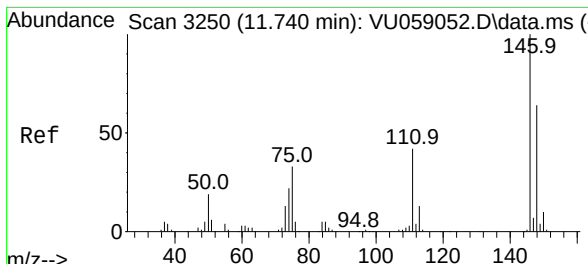
Tgt Ion:105 Resp: 273210
 Ion Ratio Lower Upper
 105 100
 120 46.5 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 50.015 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU059077.D
 Acq: 30 May 2024 01:18

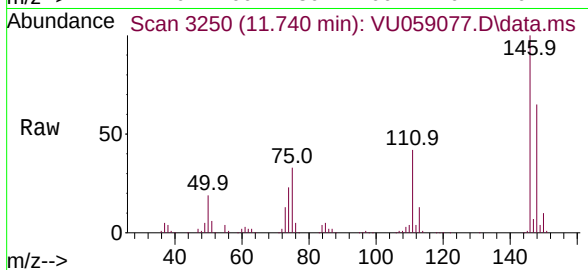
Tgt Ion:105 Resp: 301454
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.0 52.6



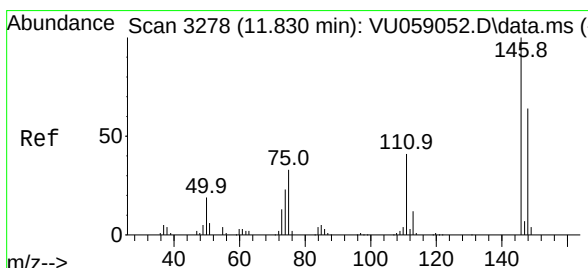
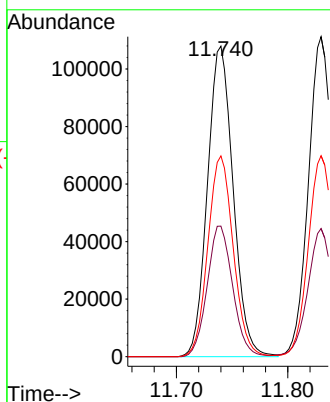
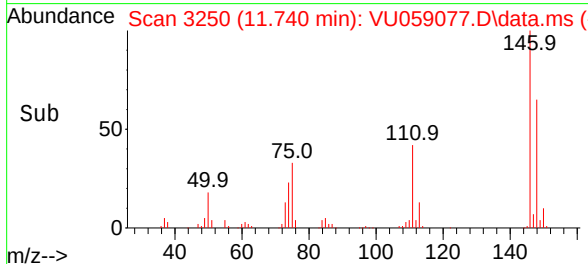


#64
1,3-Dichlorobenzene
Concen: 48.289 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18

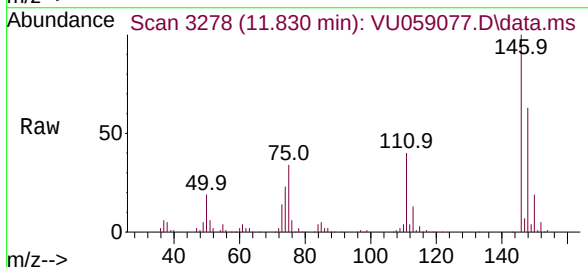
Instrument :
MSVOA_U
ClientSampleId :



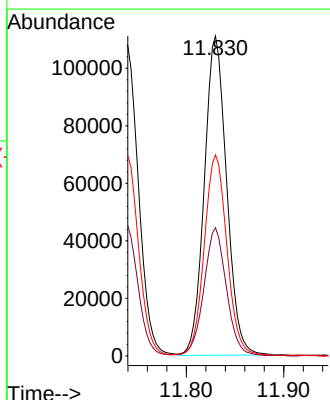
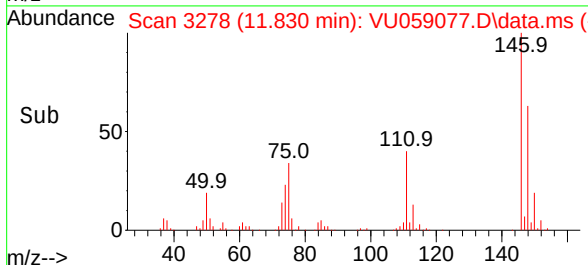
Tgt Ion:146 Resp: 173194
Ion Ratio Lower Upper
146 100
111 42.0 28.7 53.3
148 64.6 44.9 83.5

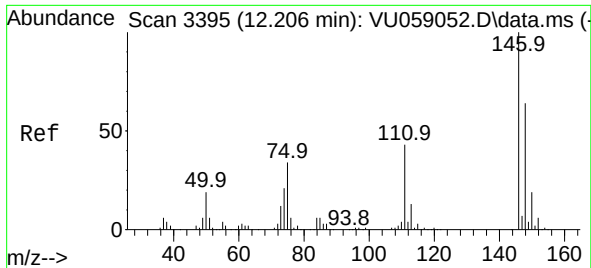


#65
1,4-Dichlorobenzene
Concen: 47.630 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU059077.D
Acq: 30 May 2024 01:18



Tgt Ion:146 Resp: 176427
Ion Ratio Lower Upper
146 100
111 40.0 27.9 51.9
148 62.8 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 45.944 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

ClientSampleId :

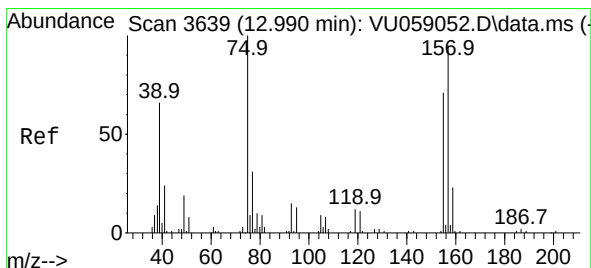
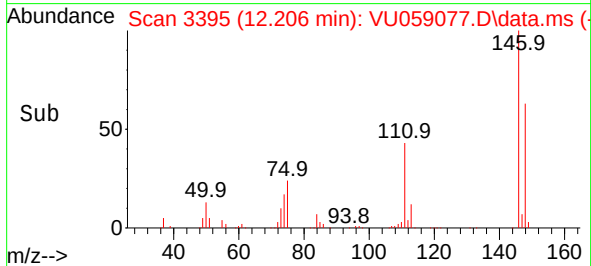
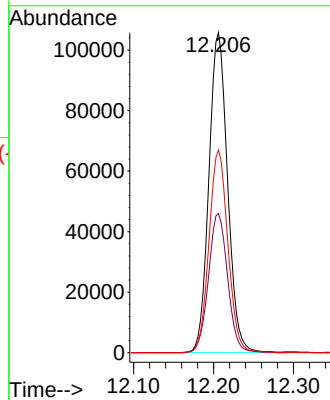
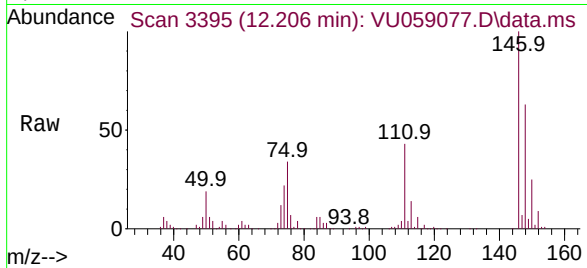
Tgt Ion:146 Resp: 172229

Ion Ratio Lower Upper

146 100

111 43.5 33.4 50.2

148 63.4 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 44.009 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

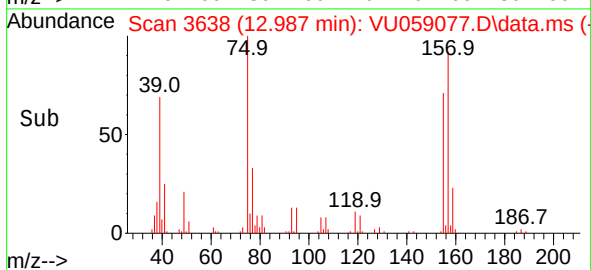
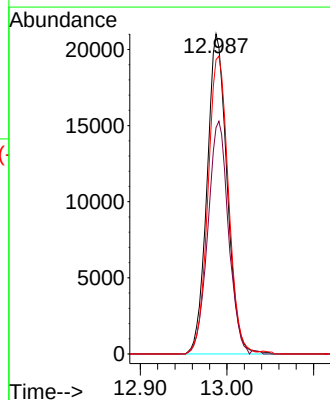
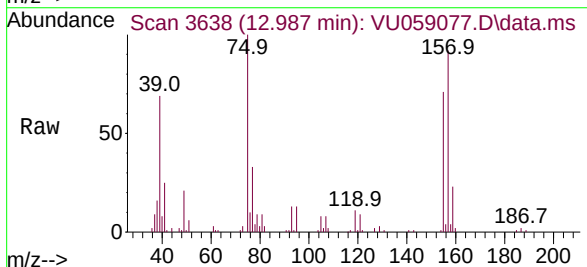
Tgt Ion: 75 Resp: 33843

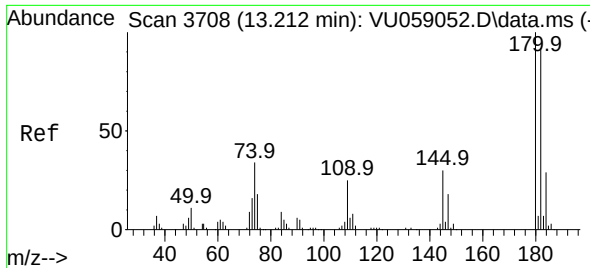
Ion Ratio Lower Upper

75 100

155 70.8 57.5 86.3

157 92.0 73.4 110.2





#69

1,3,5-Trichlorobenzene

Concen: 47.090 ug/L

RT: 13.213 min Scan# 3

Delta R.T. 0.000 min

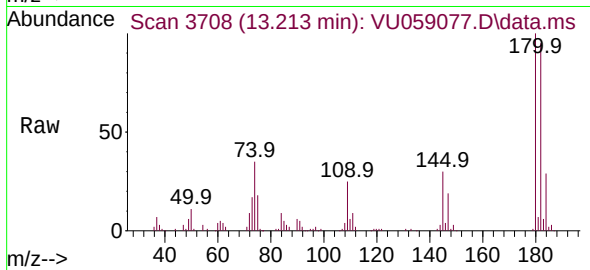
Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 111542

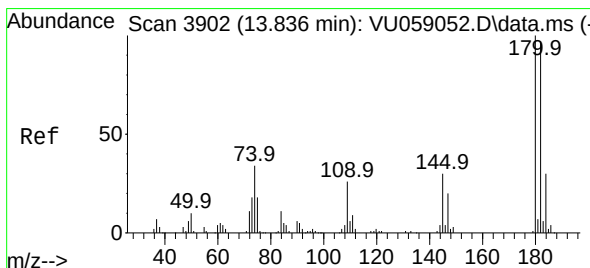
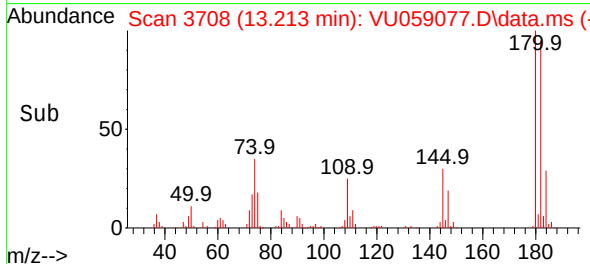
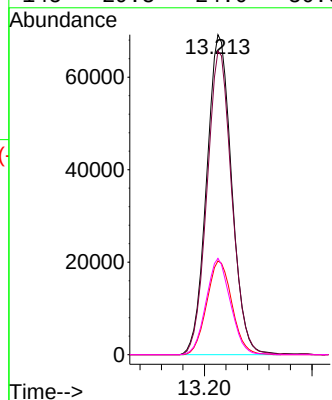
Ion Ratio Lower Upper

180 100

182 94.0 75.6 113.4

184 29.5 24.2 36.2

145 29.3 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 49.801 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

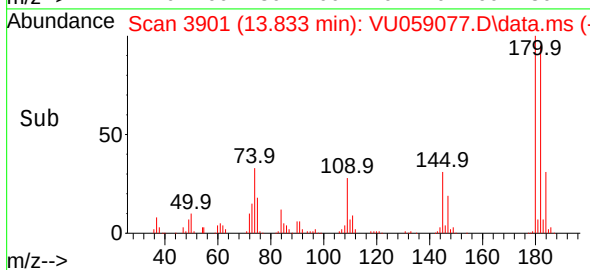
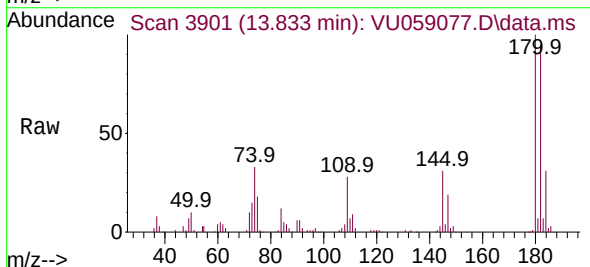
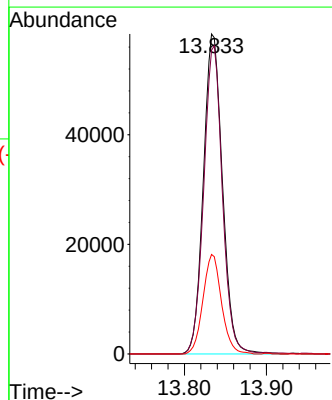
Tgt Ion:180 Resp: 94217

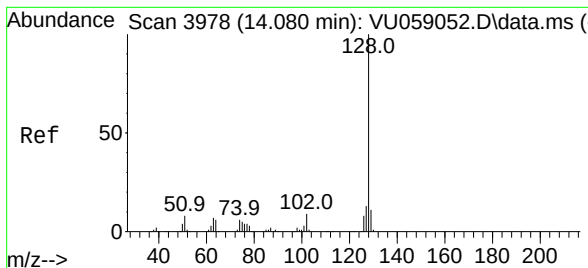
Ion Ratio Lower Upper

180 100

182 93.9 77.4 116.2

145 30.2 24.8 37.2





#71

Naphthalene

Concen: 44.798 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Instrument :

MSVOA_U

ClientSampleId :

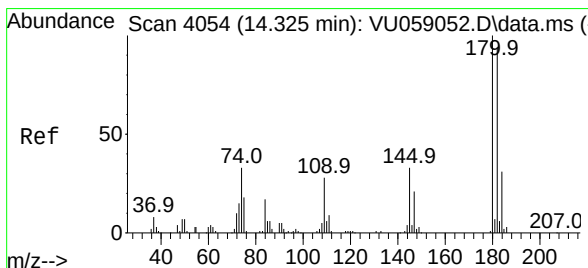
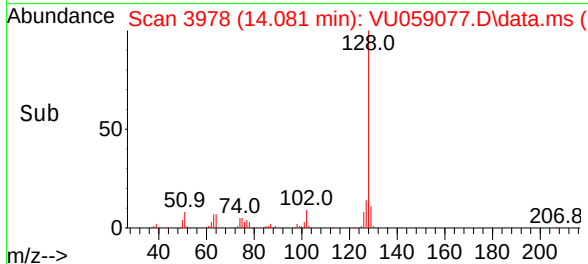
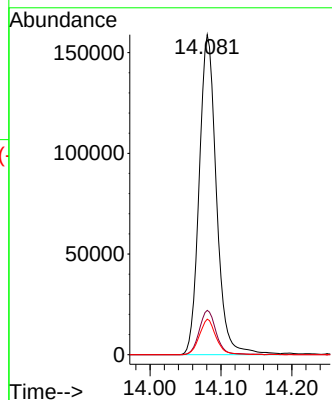
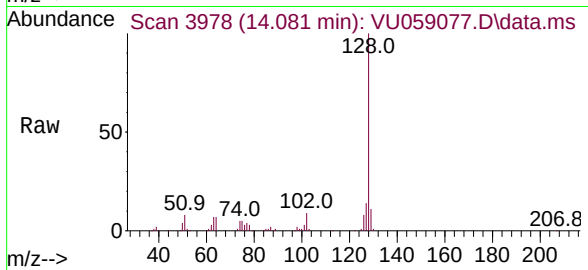
Tgt Ion:128 Resp: 268265

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.6 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 51.051 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU059077.D

Acq: 30 May 2024 01:18

Tgt Ion:180 Resp: 98191

Ion Ratio Lower Upper

180 100

182 93.2 76.2 114.4

145 31.7 26.4 39.6

