

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058944.D
 Acq On : 23 May 2024 12:15
 Operator : MD/SY
 Sample : VSTD010
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 24 06:35:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:34:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	151018	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	161460	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	83012	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	15533	12.168	ug/L	0.00
7) Chloroethane-d5	1.911	69	13026	12.982	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	24372	10.854	ug/L	0.00
21) 2-Butanone-d5	4.634	46	16275	21.362	ug/L	0.02
24) Chloroform-d	5.058	84	27155	12.060	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	16989	11.988	ug/L	0.00
32) Benzene-d6	5.724	84	50004	9.950	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	17666	11.103	ug/L	0.00
41) Toluene-d8	7.894	98	44415	9.788	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	7566	9.908	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	11706	17.797	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	25436	11.876	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	16033	9.942	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	10837	8.669	ug/L	99
3) Chloromethane	1.518	50	11787	9.857	ug/L	99
5) Vinyl chloride	1.602	62	13638	10.670	ug/L	98
6) Bromomethane	1.856	94	7934	10.243	ug/L	94
8) Chloroethane	1.930	64	9135	11.711	ug/L	93
9) Trichlorofluoromethane	2.136	101	18204	10.176	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	12474	11.560	ug/L	97
12) 1,1-Dichloroethene	2.576	96	10127	10.494	ug/L	94
13) Acetone	2.631	43	22553	26.495	ug/L	98
14) Carbon disulfide	2.788	76	18593	6.728	ug/L	100
15) Methyl Acetate	2.952	43	15430	13.012	ug/L	100
16) Methylene chloride	3.042	84	19529	16.837	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	9904	10.100	ug/L	94
18) Methyl tert-butyl Ether	3.354	73	37296	10.560	ug/L #	89
19) 1,1-Dichloroethane	3.862	63	25431	12.318	ug/L	95
20) cis-1,2-Dichloroethene	4.663	96	12856	11.012	ug/L	98
22) 2-Butanone	4.711	43	22024	22.751	ug/L	100
23) Bromochloromethane	4.975	128	7015	12.135	ug/L	96
25) Chloroform	5.084	83	27573	12.964	ug/L	98
27) 1,2-Dichloroethane	5.788	62	20929	12.039	ug/L	100
29) Cyclohexane	5.383	56	12085	6.254	ug/L	94
30) 1,1,1-Trichloroethane	5.309	97	19173	9.456	ug/L	99
31) Carbon tetrachloride	5.515	117	15909	9.157	ug/L	99
33) Benzene	5.769	78	48232	9.720	ug/L	100
34) Trichloroethene	6.541	95	13131	9.830	ug/L	96
35) Methylcyclohexane	6.759	83	13732	6.793	ug/L	96
37) 1,2-Dichloropropane	6.785	63	15871	11.268	ug/L	98
38) Bromodichloromethane	7.103	83	20075	11.323	ug/L #	98
39) cis-1,3-Dichloropropene	7.605	75	21144	9.545	ug/L	96
40) 4-Methyl-2-pentanone	7.788	43	41175	22.475	ug/L	99
42) Toluene	7.965	91	50423	9.571	ug/L	94
44) trans-1,3-Dichloropropene	8.206	75	19240	9.365	ug/L	97

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

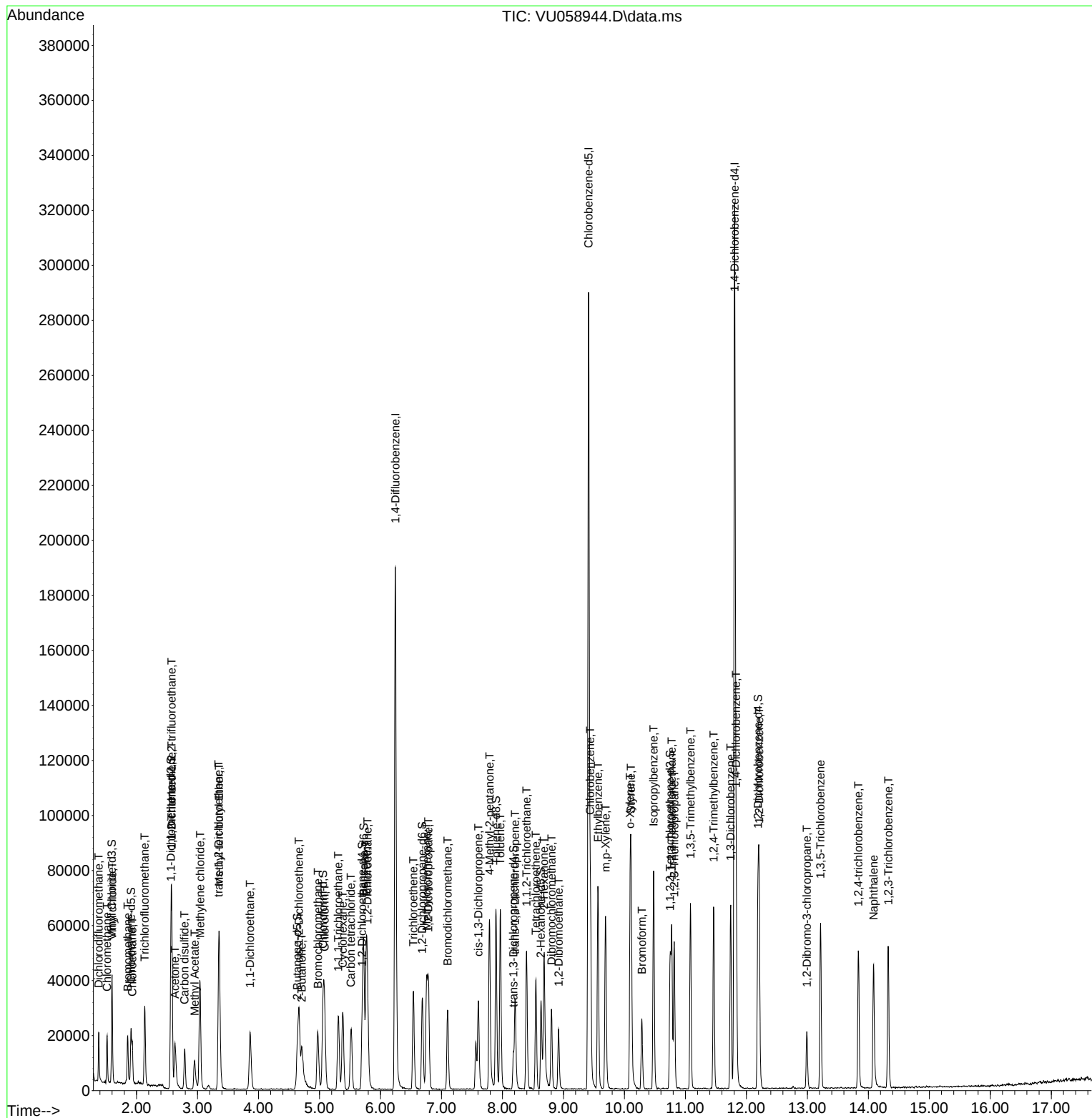
45) 1,1,2-Trichloroethane	8.396	97	15815	11.968	ug/L	98
46) Tetrachloroethene	8.550	164	8941	9.758	ug/L	88
48) 2-Hexanone	8.682	43	34838	22.172	ug/L	94
49) Dibromochloromethane	8.804	129	15086	11.507	ug/L	90
50) 1,2-Dibromoethane	8.923	107	14834	10.749	ug/L	93
51) Chlorobenzene	9.441	112	34620	10.323	ug/L	96
52) Ethylbenzene	9.566	91	52025	8.798	ug/L	97
53) m,p-Xylene	9.692	106	18218	8.440	ug/L	97
54) o-Xylene	10.094	106	18121	8.564	ug/L	97
55) Styrene	10.110	104	30590	8.498	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	27979	12.747	ug/L	93
59) Bromoform	10.287	173	11409	11.735	ug/L	95
60) 1,2,3-Trichloropropane	10.817	75	22493	12.582	ug/L	97
61) Isopropylbenzene	10.479	105	50340	8.608	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	37784	7.795	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	36508	7.489	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	28333	10.913	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	28388	10.608	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	28722	10.925	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.991	75	5810	12.557	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	19886	10.921	ug/L	96
70) 1,2,4-trichlorobenzene	13.836	180	16281	10.444	ug/L	95
71) Naphthalene	14.087	128	40522	9.446	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	16573	11.016	ug/L	100

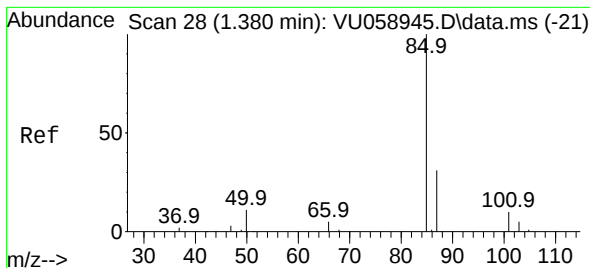
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.669 ug/L

RT: 1.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

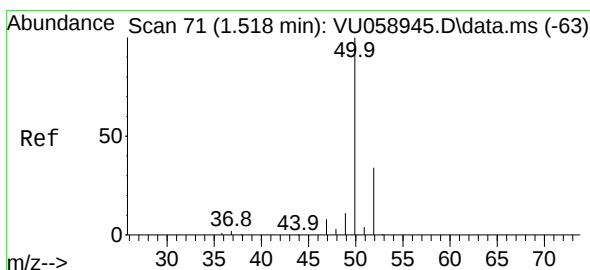
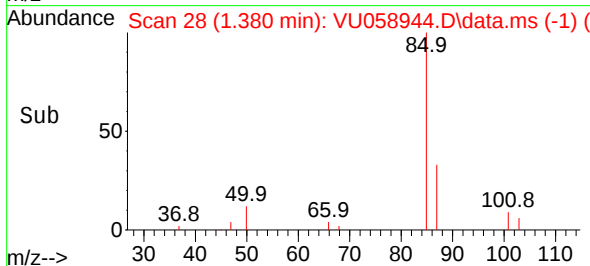
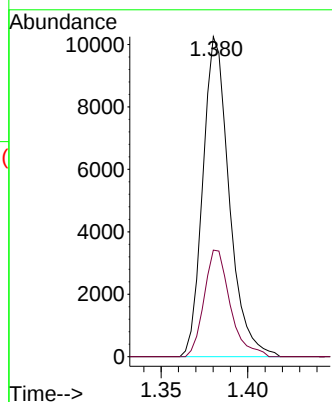
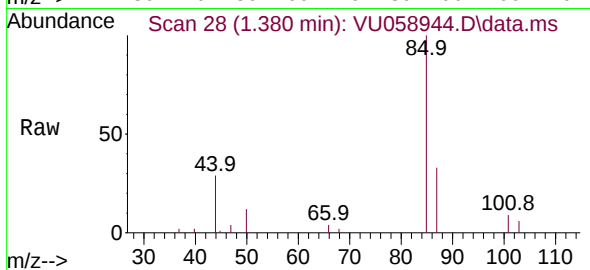
ClientSampleId :

Tgt Ion: 85 Resp: 10837

Ion Ratio Lower Upper

85 100

87 32.9 25.7 38.5



#3

Chloromethane

Concen: 9.857 ug/L

RT: 1.518 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU058944.D

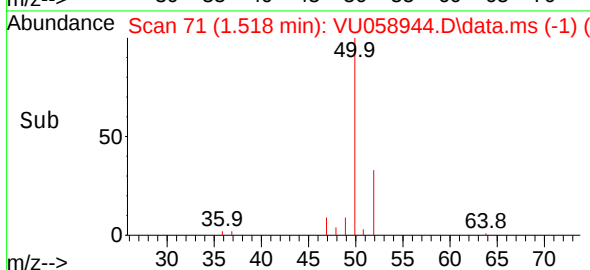
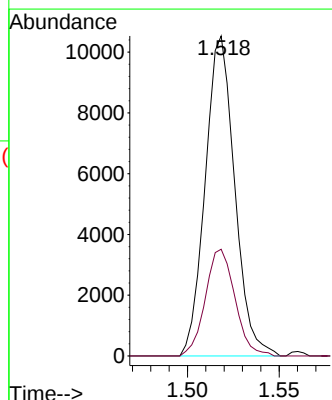
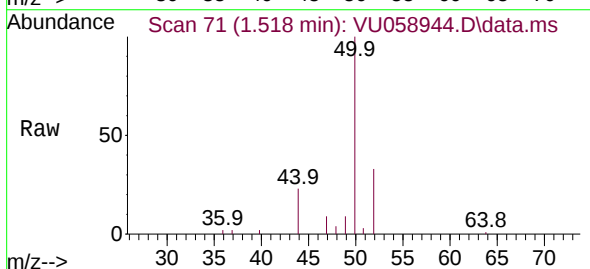
Acq: 23 May 2024 12:15

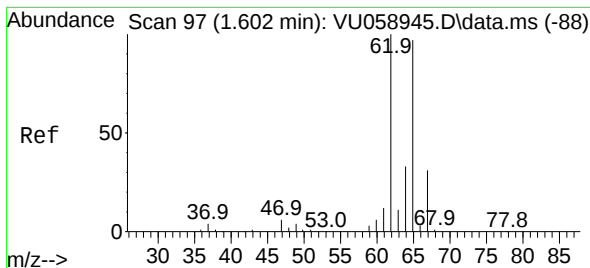
Tgt Ion: 50 Resp: 11787

Ion Ratio Lower Upper

50 100

52 33.4 23.9 44.3





#5

Vinyl chloride

Concen: 10.670 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

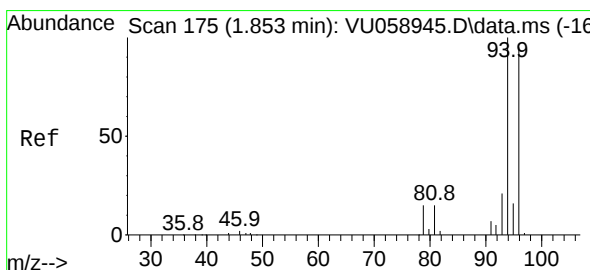
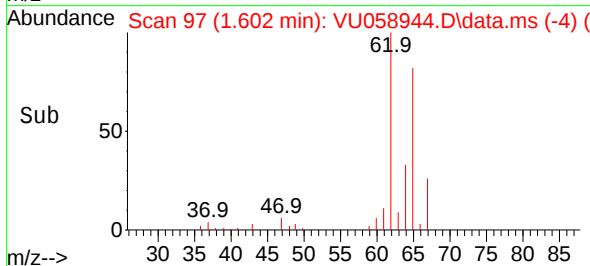
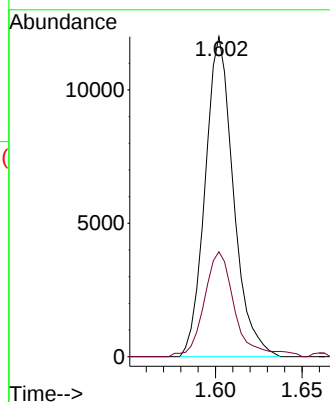
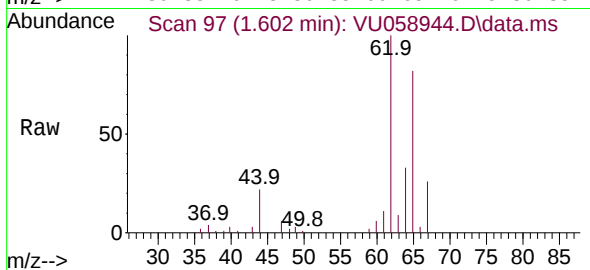
ClientSampleId :

Tgt Ion: 62 Resp: 13638

Ion Ratio Lower Upper

62 100

64 32.8 23.7 43.9



#6

Bromomethane

Concen: 10.243 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.003 min

Lab File: VU058944.D

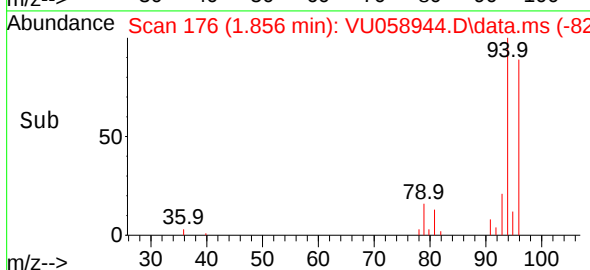
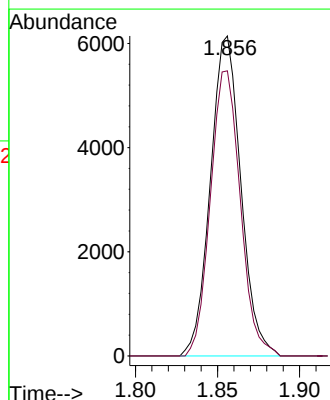
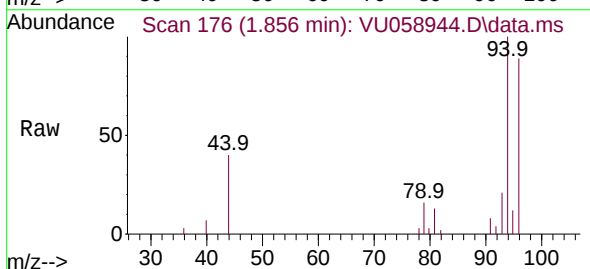
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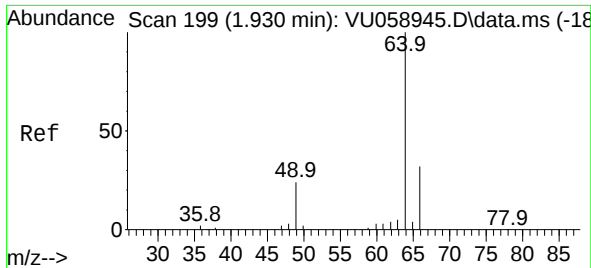
Tgt Ion: 94 Resp: 7934

Ion Ratio Lower Upper

94 100

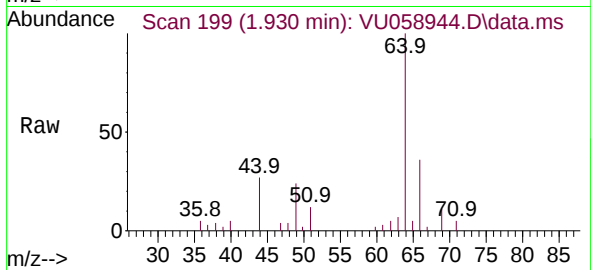
96 89.1 66.6 123.6



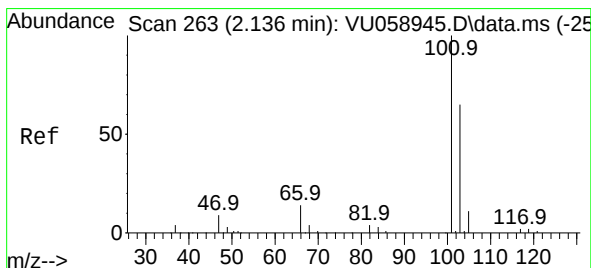
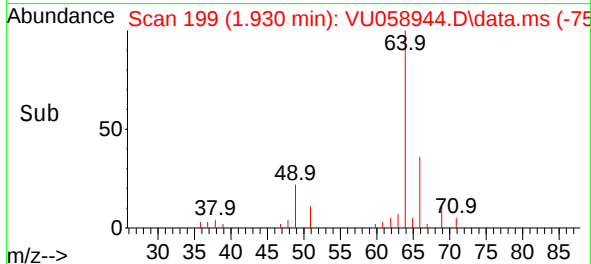
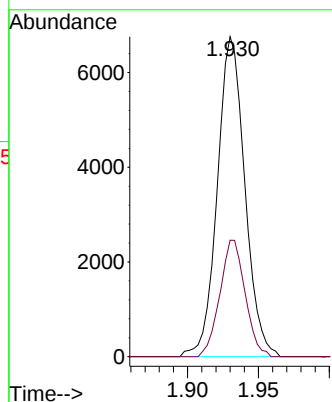


#8
Chloroethane
Concen: 11.711 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Instrument :
MSVOA_U
ClientSampleId :

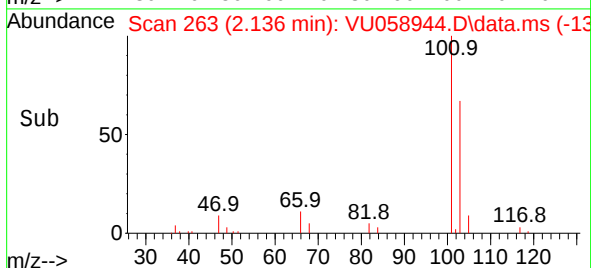
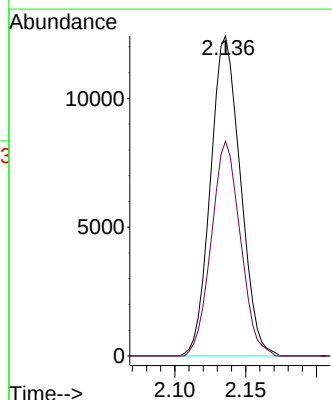
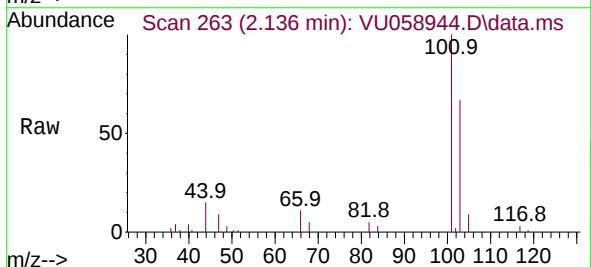


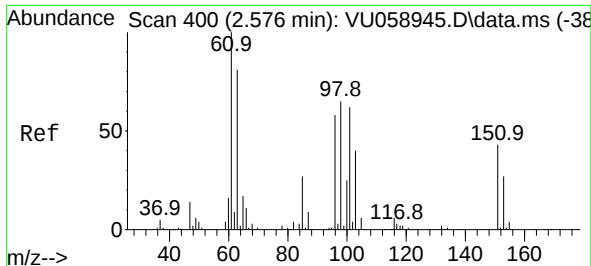
Tgt Ion: 64 Resp: 9135
Ion Ratio Lower Upper
64 100
66 36.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 10.176 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Tgt Ion:101 Resp: 18204
Ion Ratio Lower Upper
101 100
103 65.3 51.6 77.4

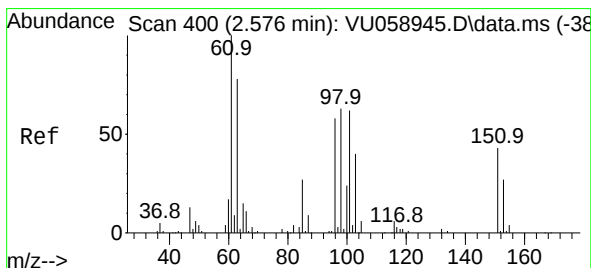
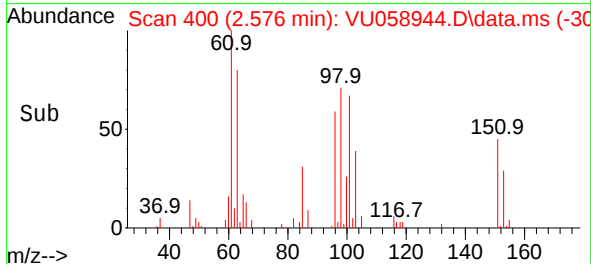
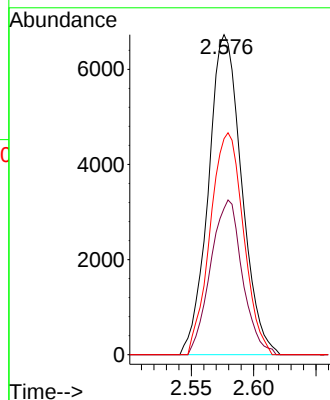
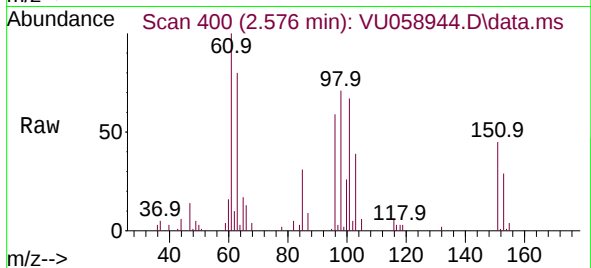




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 11.560 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

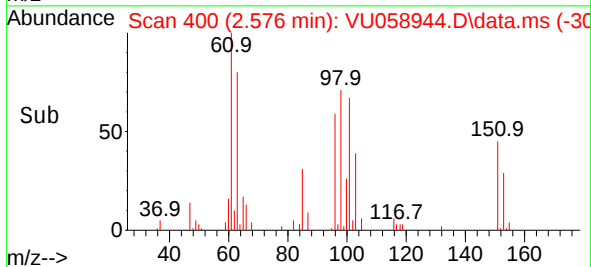
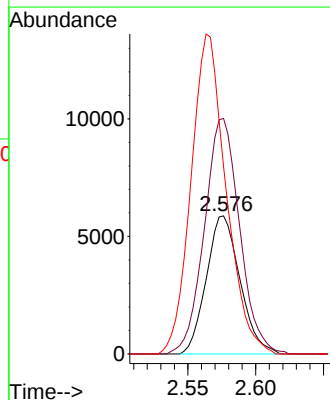
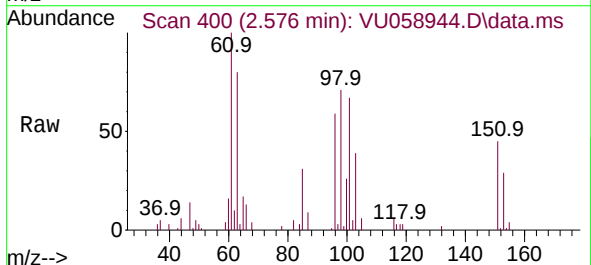
Instrument :
MSVOA_U
ClientSampleId :

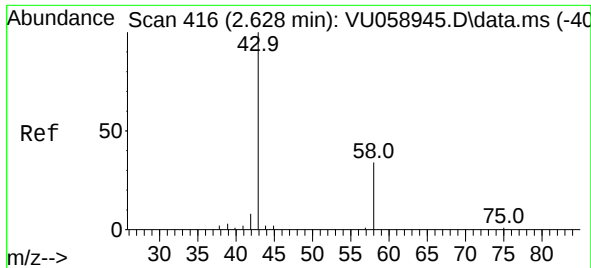
Tgt Ion:101 Resp: 12474
Ion Ratio Lower Upper
101 100
85 46.2 34.9 52.3
151 69.5 54.5 81.7



#12
1,1-Dichloroethene
Concen: 10.494 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Tgt Ion: 96 Resp: 10127
Ion Ratio Lower Upper
96 100
61 170.6 122.2 227.0
63 135.8 102.8 190.8





#13

Acetone

Concen: 26.495 ug/L

RT: 2.631 min Scan# 416

Delta R.T. 0.003 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

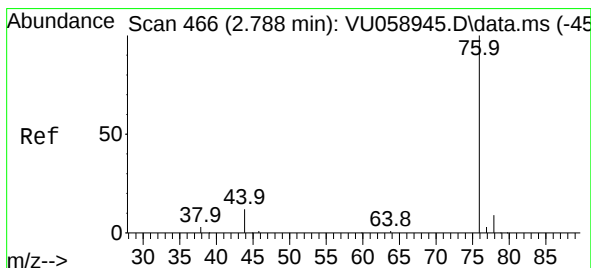
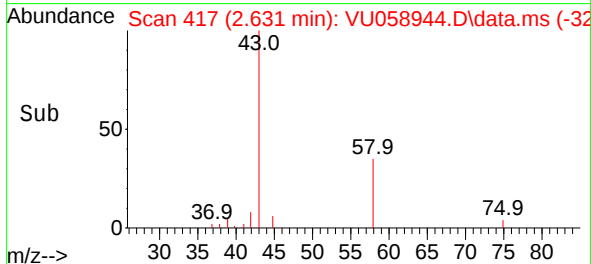
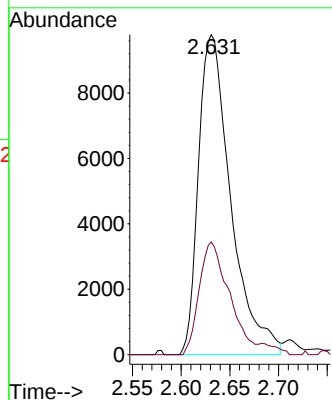
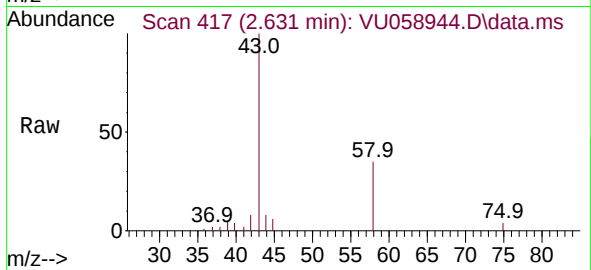
ClientSampleId :

Tgt Ion: 43 Resp: 22553

Ion Ratio Lower Upper

43 100

58 32.7 0.0 67.2



#14

Carbon disulfide

Concen: 6.728 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU058944.D

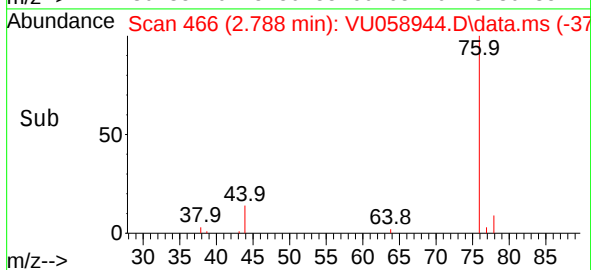
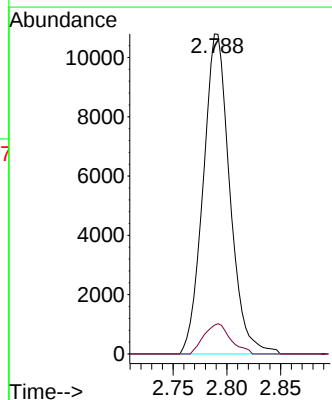
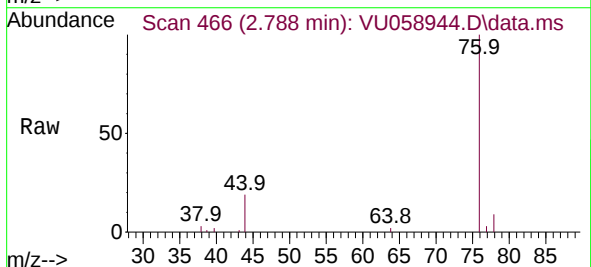
Acq: 23 May 2024 12:15

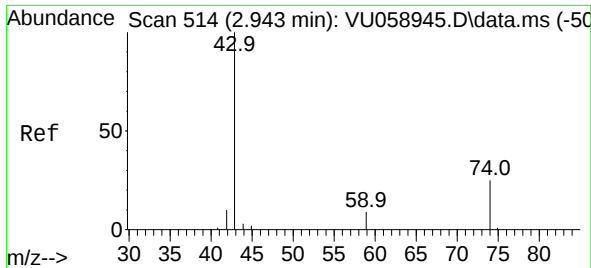
Tgt Ion: 76 Resp: 18593

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7





#15

Methyl Acetate

Concen: 13.012 ug/L

RT: 2.952 min Scan# 51

Delta R.T. 0.010 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

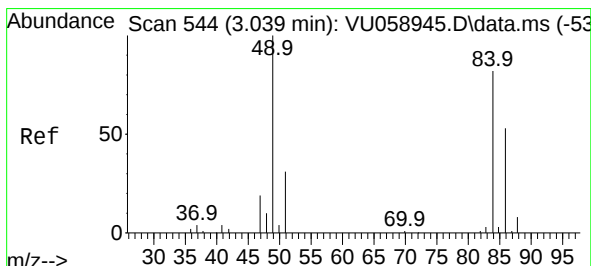
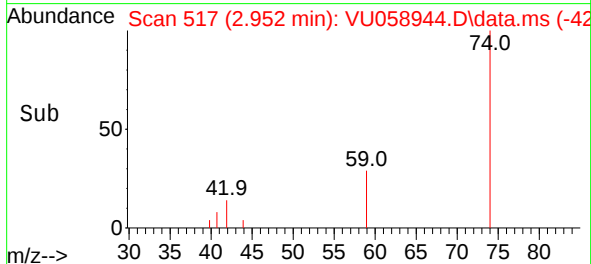
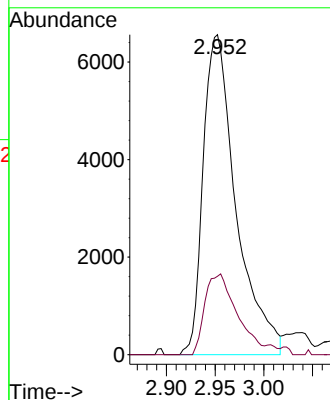
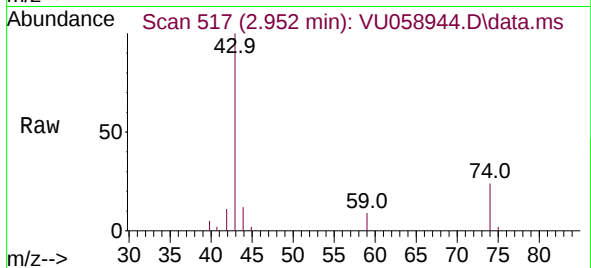
ClientSampleId :

Tgt Ion: 43 Resp: 15430

Ion Ratio Lower Upper

43 100

74 24.6 19.8 29.8



#16

Methylene chloride

Concen: 16.837 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

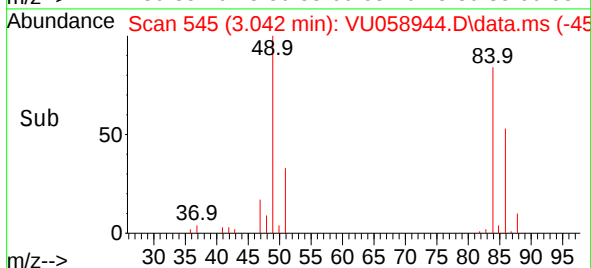
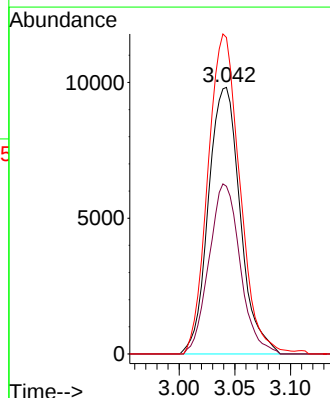
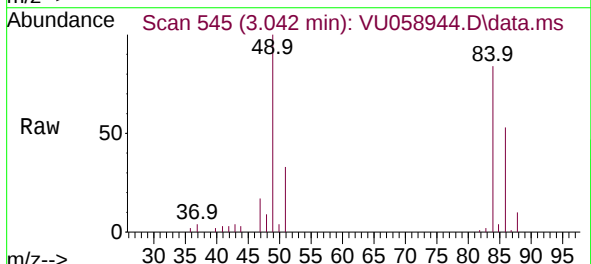
Tgt Ion: 84 Resp: 19529

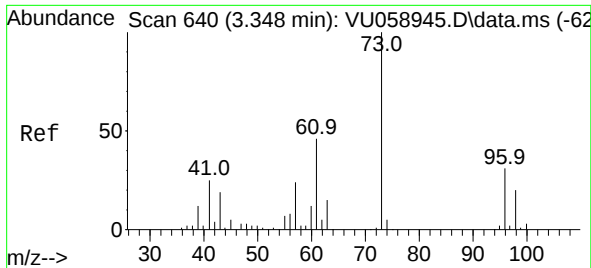
Ion Ratio Lower Upper

84 100

86 62.9 44.9 83.5

49 118.7 85.4 158.6





#17

trans-1,2-Dichloroethene

Concen: 10.100 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

ClientSampleId :

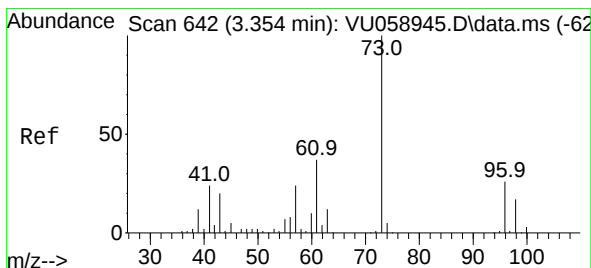
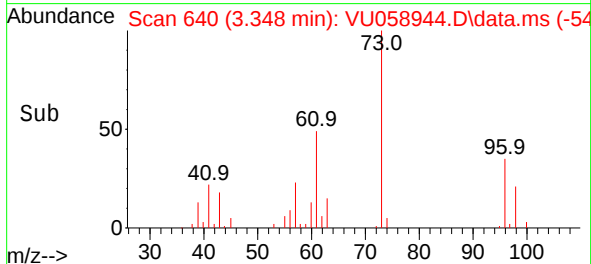
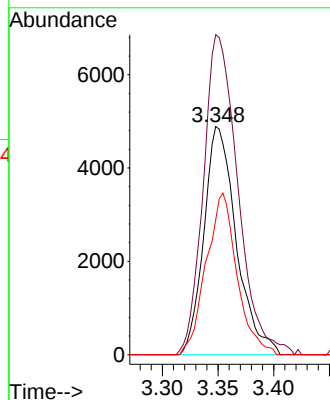
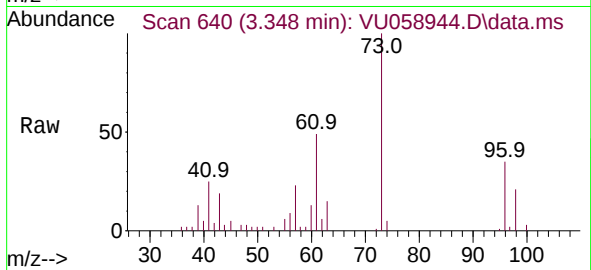
Tgt Ion: 96 Resp: 9904

Ion Ratio Lower Upper

96 100

61 140.2 103.5 192.1

98 59.2 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 10.560 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.000 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

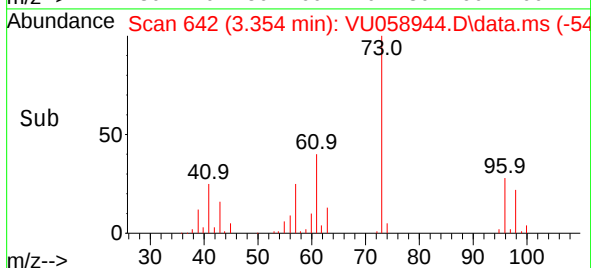
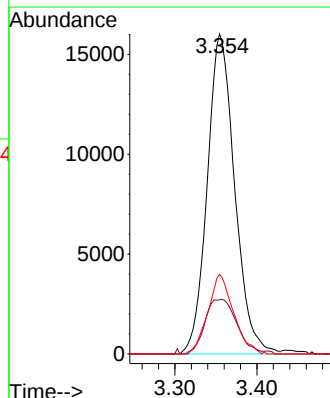
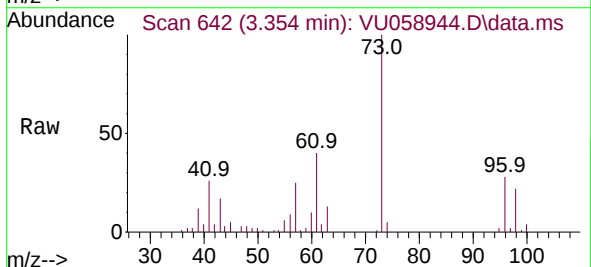
Tgt Ion: 73 Resp: 37296

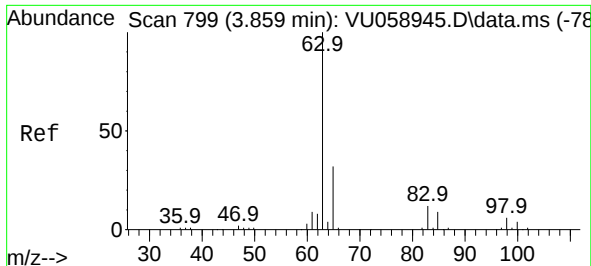
Ion Ratio Lower Upper

73 100

43 8.2 15.4 23.2#

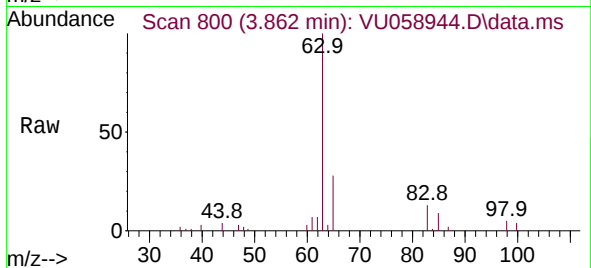
57 23.1 18.6 27.8



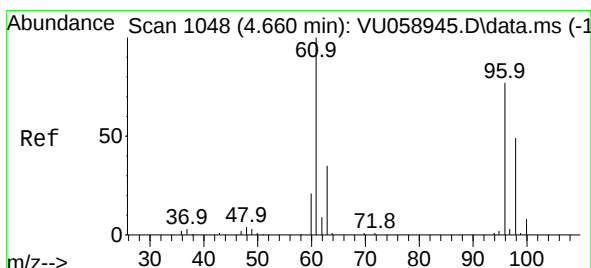
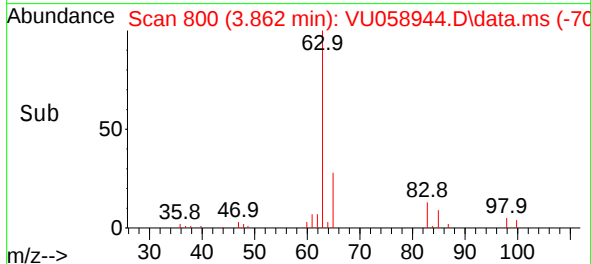
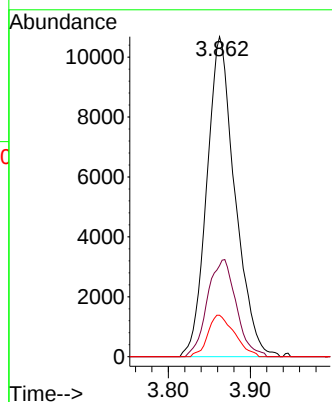


#19
1,1-Dichloroethane
Concen: 12.318 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.003 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Instrument :
MSVOA_U
ClientSampleId :

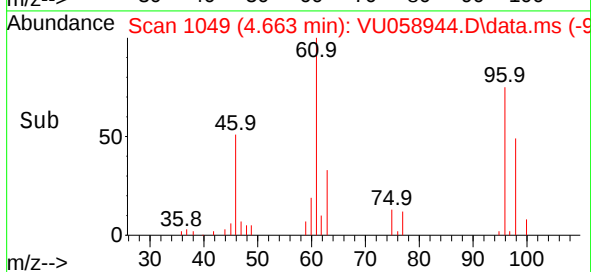
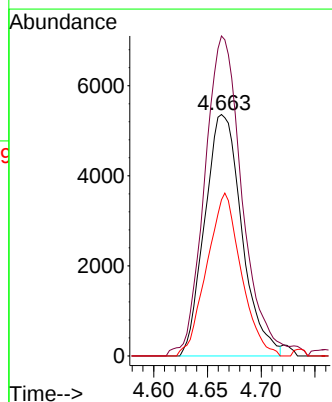
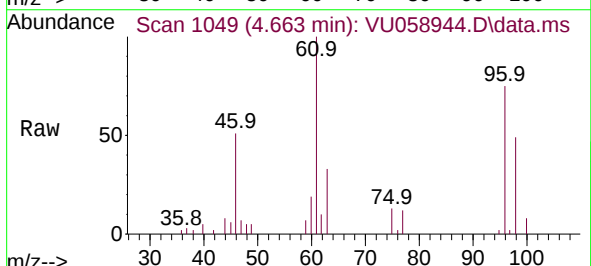


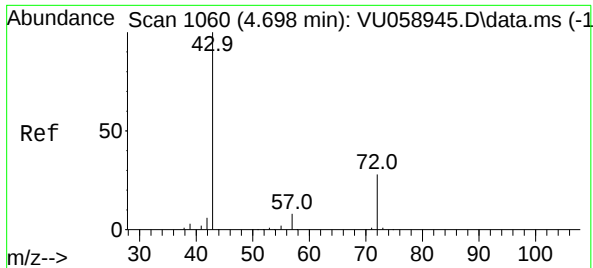
Tgt Ion: 63 Resp: 25431
Ion Ratio Lower Upper
63 100
65 28.4 22.3 41.3
83 13.0 8.5 15.9



#20
cis-1,2-Dichloroethene
Concen: 11.012 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Tgt Ion: 96 Resp: 12856
Ion Ratio Lower Upper
96 100
61 132.6 91.1 169.3
98 64.7 44.4 82.4

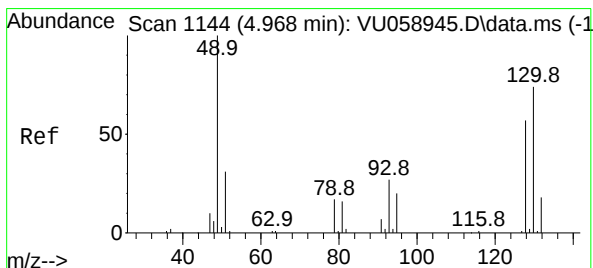
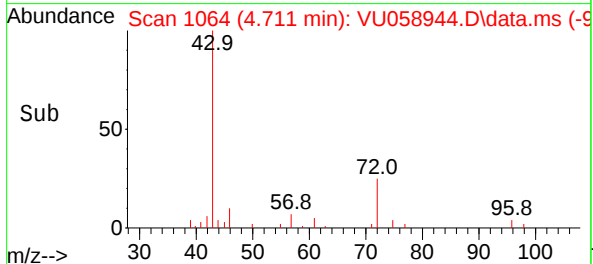
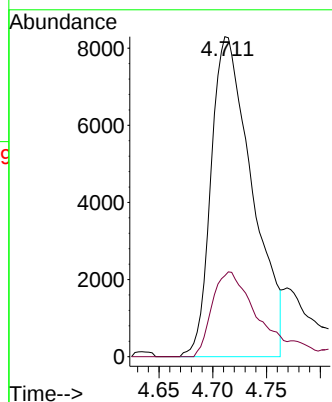
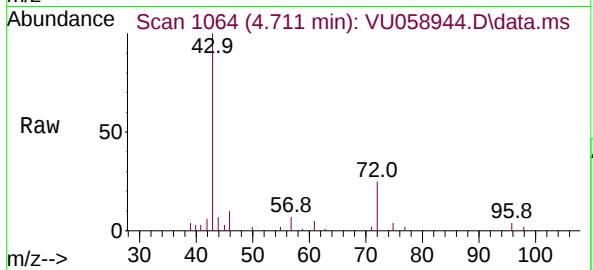




#22
2-Butanone
Concen: 22.751 ug/L
RT: 4.711 min Scan# 1064
Delta R.T. 0.013 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

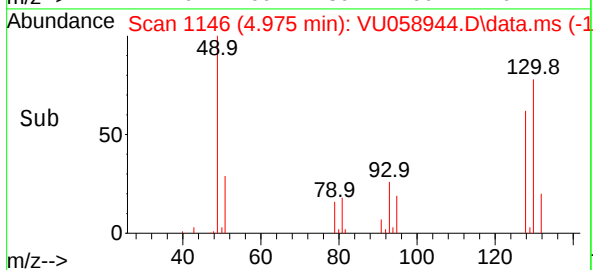
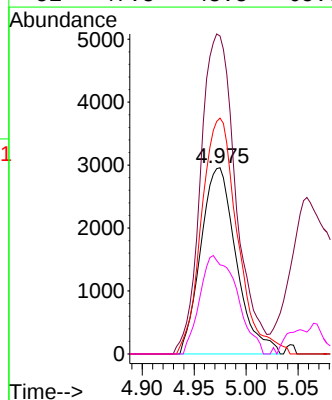
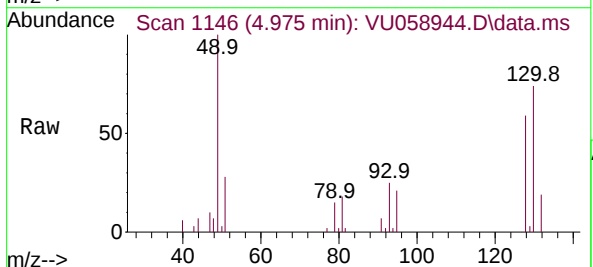
Instrument :
MSVOA_U
ClientSampleId :

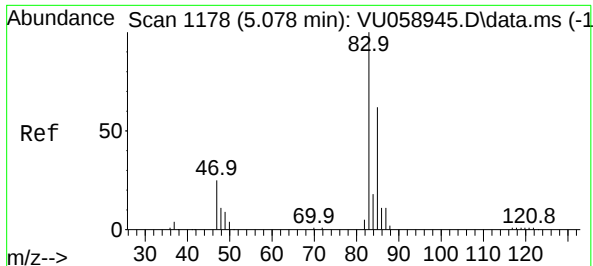
Tgt Ion: 43 Resp: 22024
Ion Ratio Lower Upper
43 100
72 28.1 13.9 41.7



#23
Bromochloromethane
Concen: 12.135 ug/L
RT: 4.975 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Tgt Ion:128 Resp: 7015
Ion Ratio Lower Upper
128 100
49 170.7 123.8 229.8
130 126.6 90.6 168.2
51 47.8 43.8 65.6





#25

Chloroform

Concen: 12.964 ug/L

RT: 5.084 min Scan# 1178

Delta R.T. 0.006 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

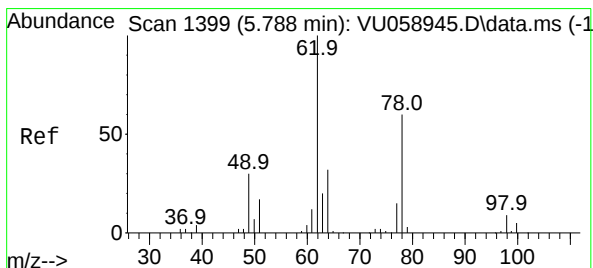
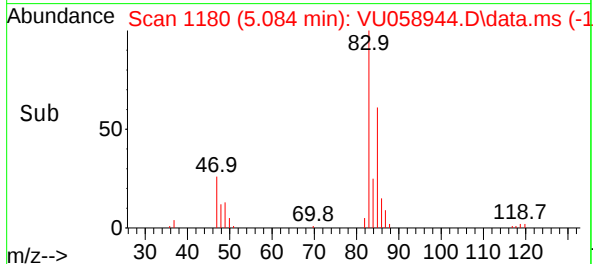
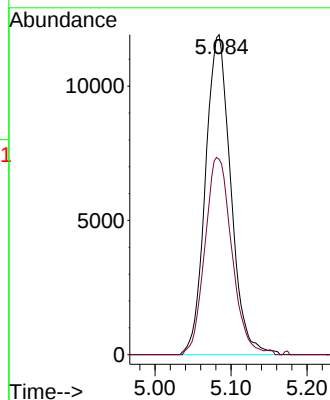
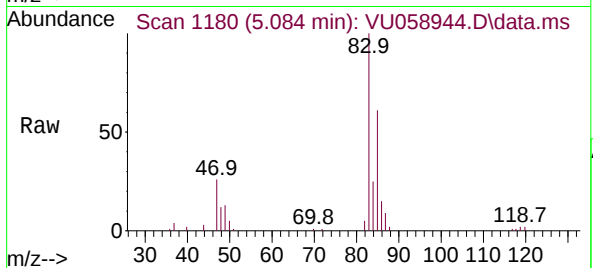
ClientSampleId :

Tgt Ion: 83 Resp: 27573

Ion Ratio Lower Upper

83 100

85 61.0 43.8 81.3



#27

1,2-Dichloroethane

Concen: 12.039 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU058944.D

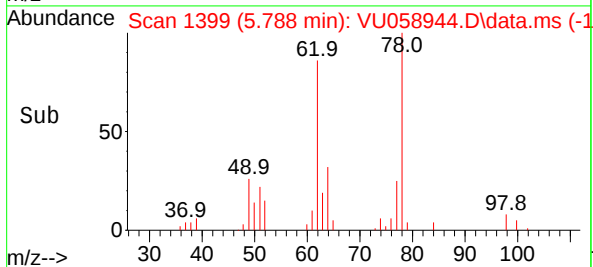
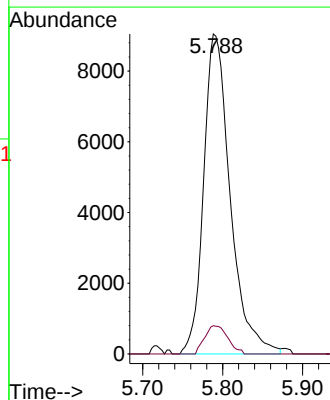
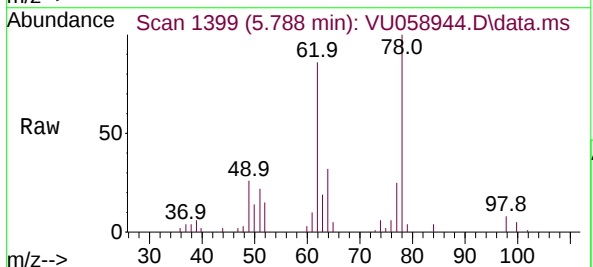
Acq: 23 May 2024 12:15

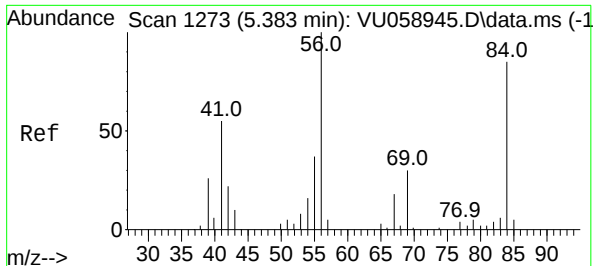
Tgt Ion: 62 Resp: 20929

Ion Ratio Lower Upper

62 100

98 8.9 7.0 10.4

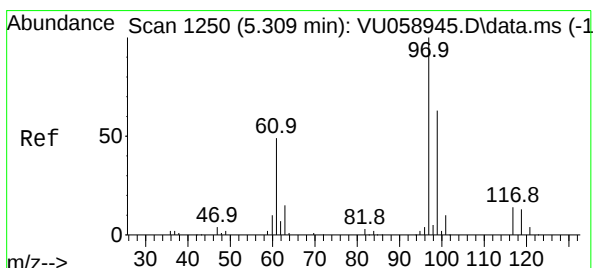
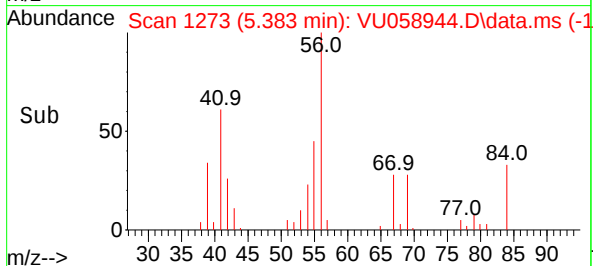
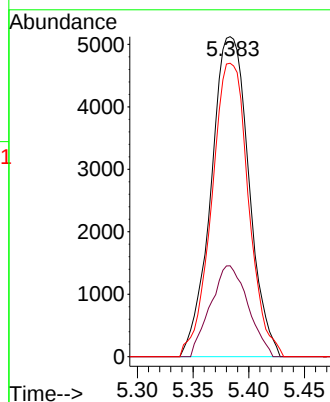
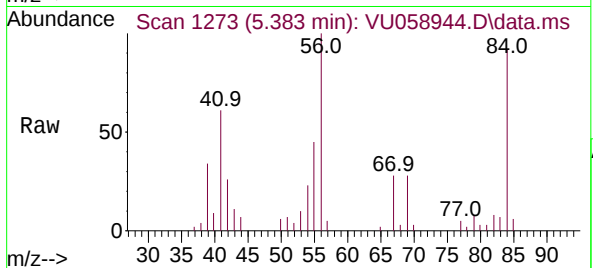




#29
Cyclohexane
Concen: 6.254 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

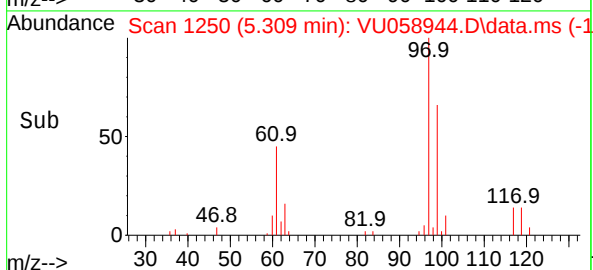
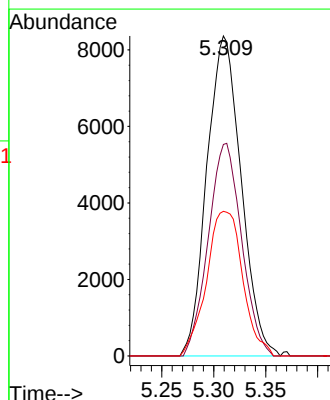
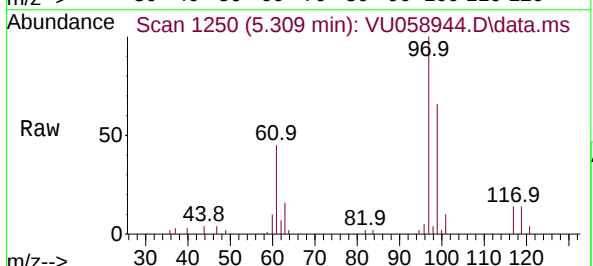
Instrument :
MSVOA_U
ClientSampleId :

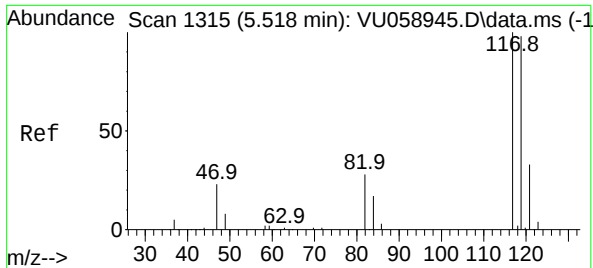
Tgt Ion: 56 Resp: 12085
Ion Ratio Lower Upper
56 100
69 28.1 24.3 36.5
84 89.1 66.7 100.1



#30
1,1,1-Trichloroethane
Concen: 9.456 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Tgt Ion: 97 Resp: 19173
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.8
61 47.7 38.9 58.3

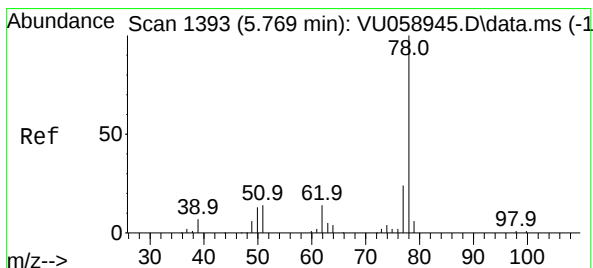
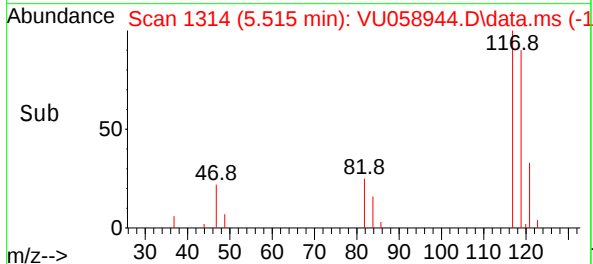
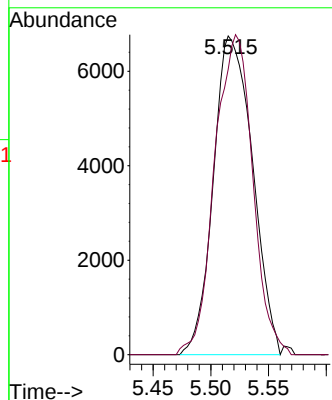
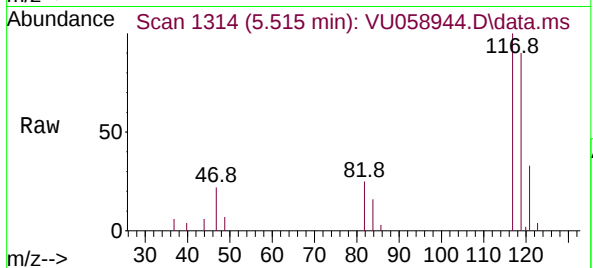




#31
Carbon tetrachloride
Concen: 9.157 ug/L
RT: 5.515 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

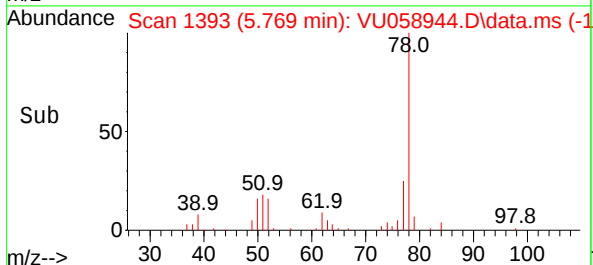
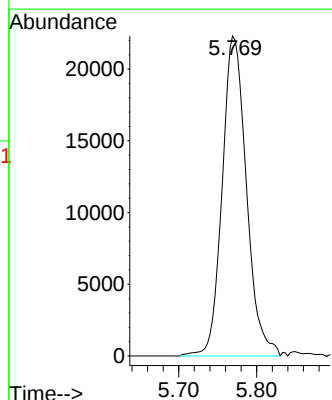
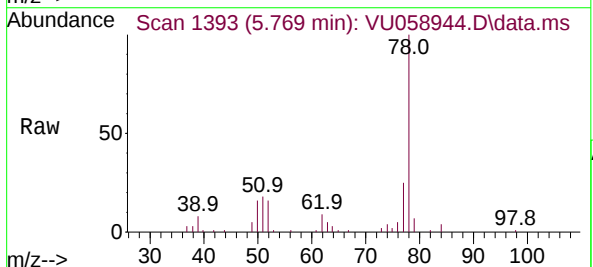
Instrument :
MSVOA_U
ClientSampleId :

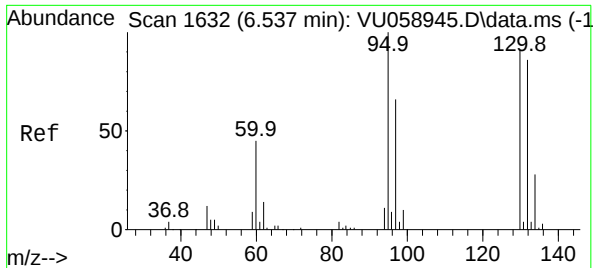
Tgt Ion:117 Resp: 15909
Ion Ratio Lower Upper
117 100
119 97.3 77.4 116.0



#33
Benzene
Concen: 9.720 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Tgt Ion: 78 Resp: 48232





#34

Trichloroethene

Concen: 9.830 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 13131

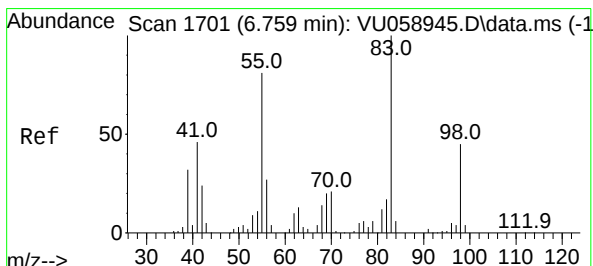
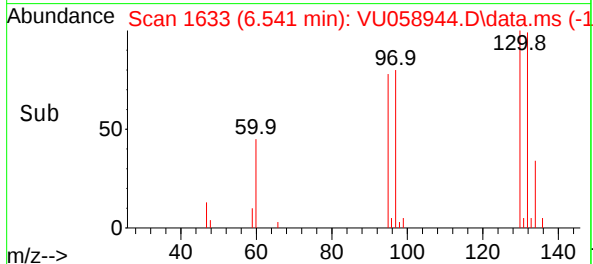
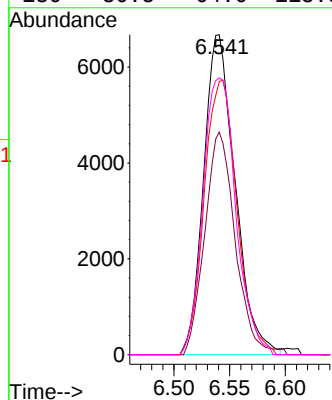
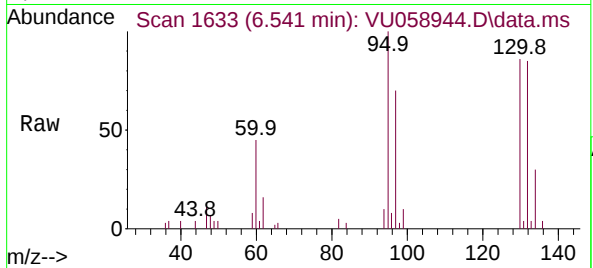
Ion Ratio Lower Upper

95 100

97 69.6 45.9 85.3

132 85.3 60.5 112.5

130 86.5 64.0 118.8



#35

Methylcyclohexane

Concen: 6.793 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

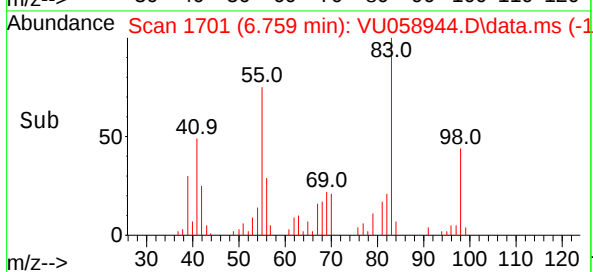
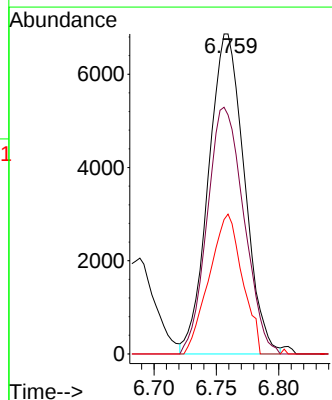
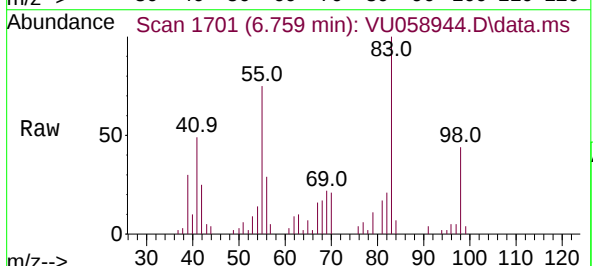
Tgt Ion: 83 Resp: 13732

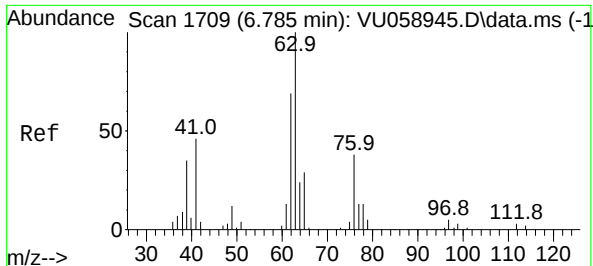
Ion Ratio Lower Upper

83 100

55 78.8 61.5 92.3

98 40.3 36.2 54.2

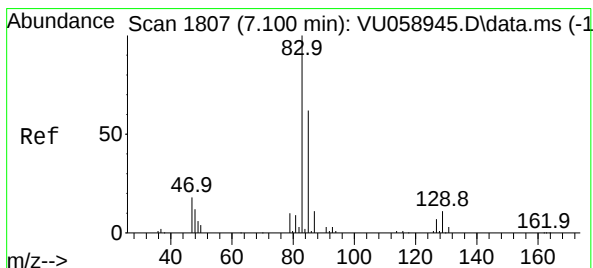
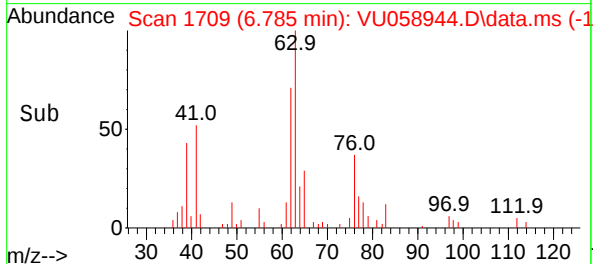
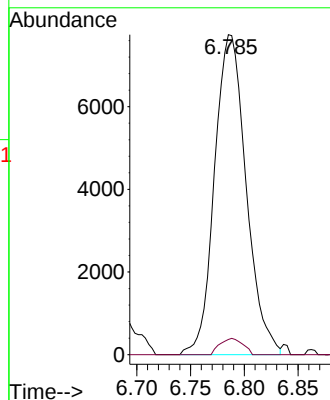
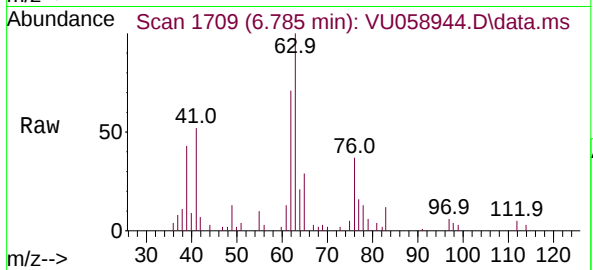




#37
1,2-Dichloropropane
Concen: 11.268 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

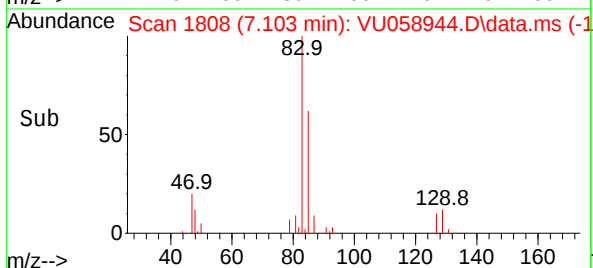
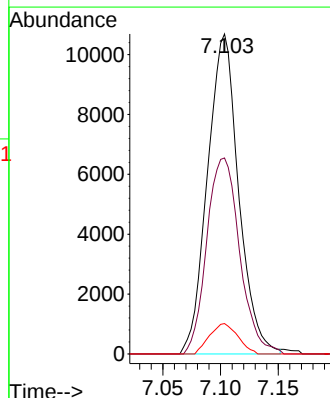
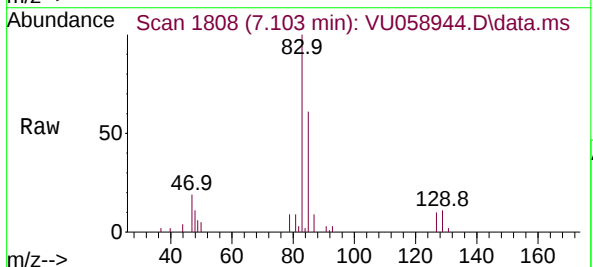
Instrument :
MSVOA_U
ClientSampleId :

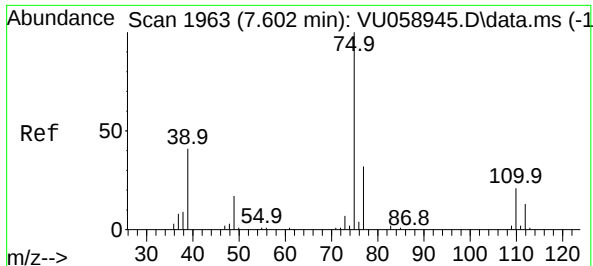
Tgt Ion: 63 Resp: 15871
Ion Ratio Lower Upper
63 100
112 3.7 2.5 3.7



#38
Bromodichloromethane
Concen: 11.323 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Tgt Ion: 83 Resp: 20075
Ion Ratio Lower Upper
83 100
85 61.3 43.5 80.9
127 9.5 5.8 8.6#

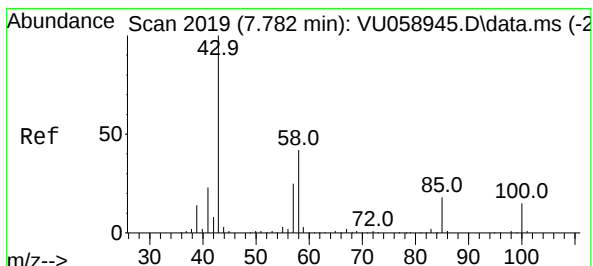
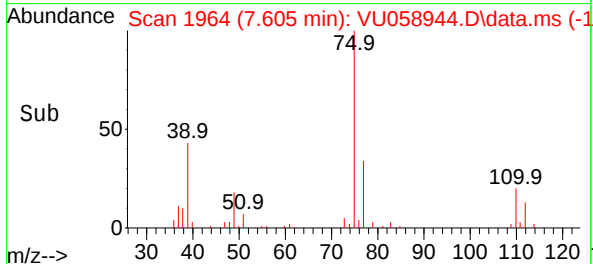
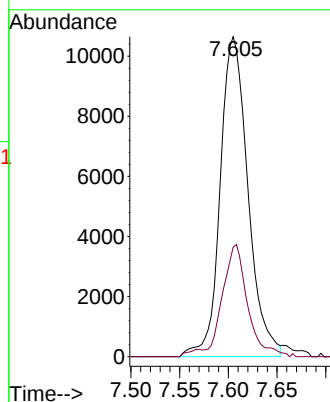
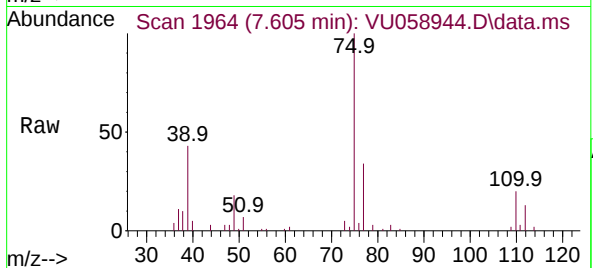




#39
 cis-1,3-Dichloropropene
 Concen: 9.545 ug/L
 RT: 7.605 min Scan# 1963
 Delta R.T. 0.003 min
 Lab File: VU058944.D
 Acq: 23 May 2024 12:15

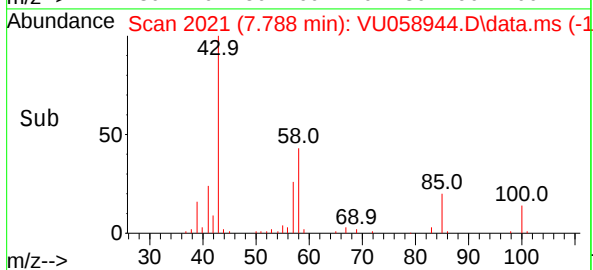
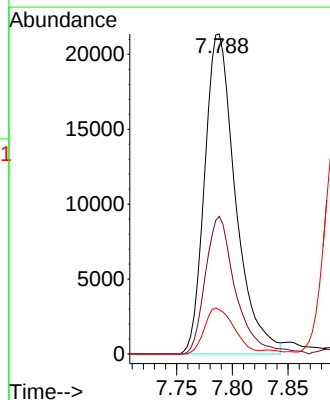
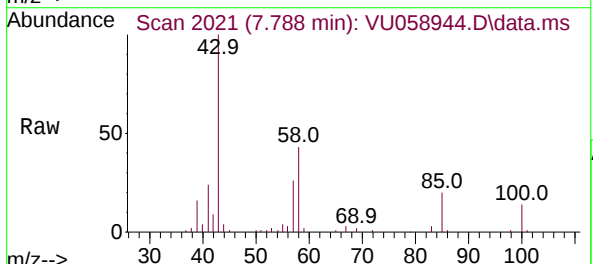
Instrument :
 MSVOA_U
 ClientSampleId :

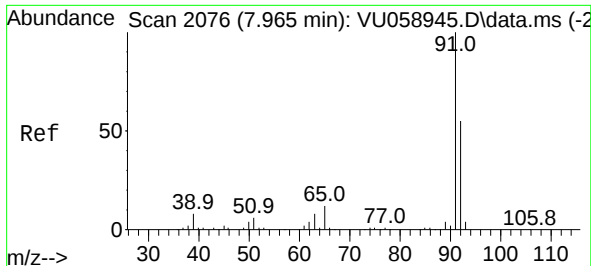
Tgt Ion: 75 Resp: 21144
 Ion Ratio Lower Upper
 75 100
 77 34.2 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 22.475 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: VU058944.D
 Acq: 23 May 2024 12:15

Tgt Ion: 43 Resp: 41175
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.5 50.3
 100 13.8 11.8 17.8





#42

Toluene

Concen: 9.571 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

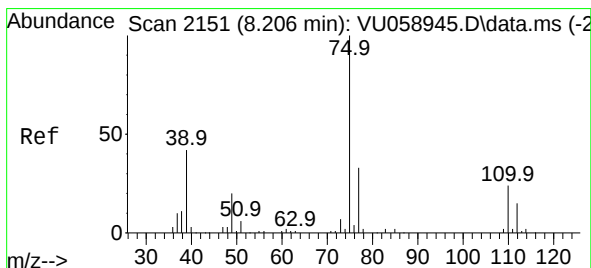
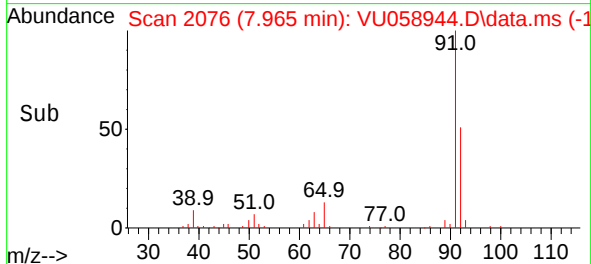
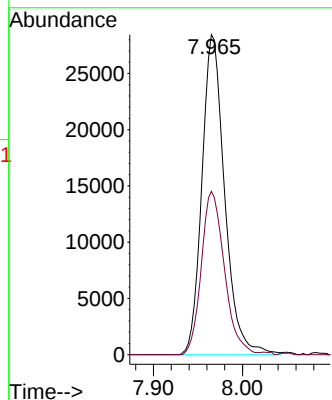
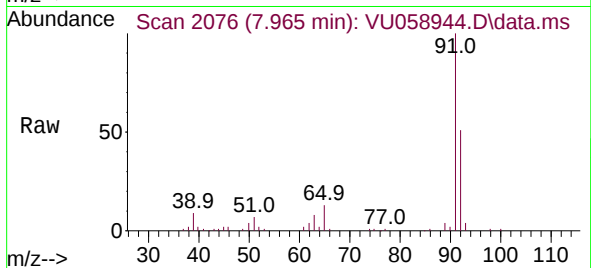
ClientSampleId :

Tgt Ion: 91 Resp: 50423

Ion Ratio Lower Upper

91 100

92 51.1 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 9.365 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU058944.D

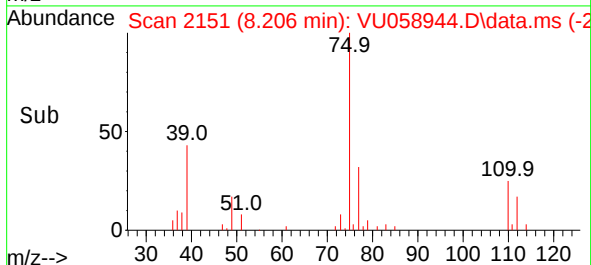
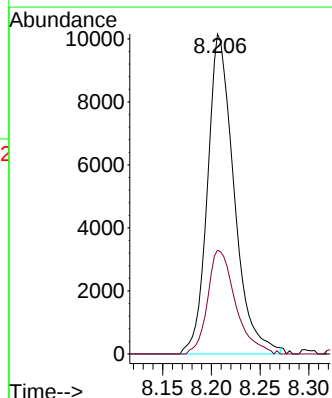
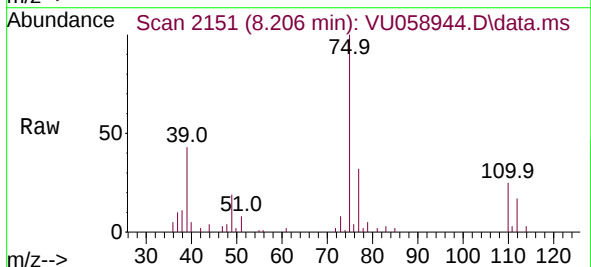
Acq: 23 May 2024 12:15

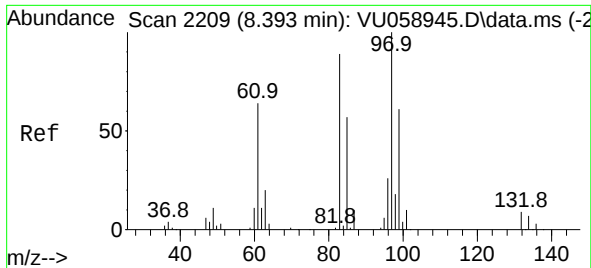
Tgt Ion: 75 Resp: 19240

Ion Ratio Lower Upper

75 100

77 31.2 23.0 42.8

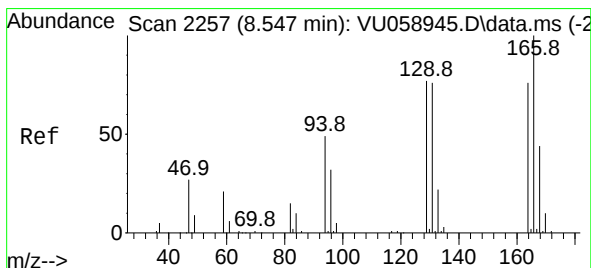
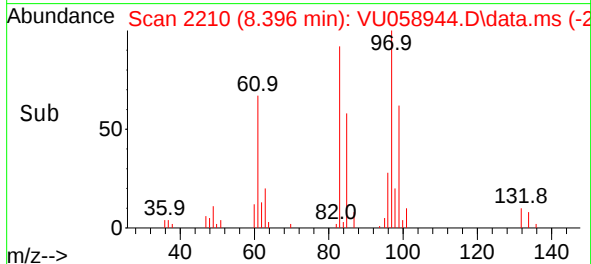
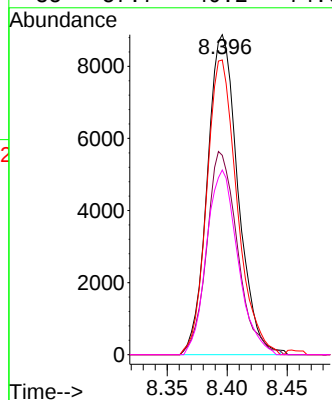
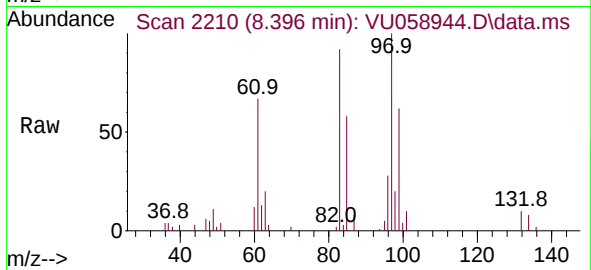




#45
1,1,2-Trichloroethane
Concen: 11.968 ug/L
RT: 8.396 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

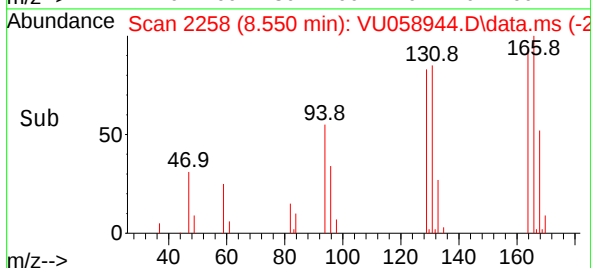
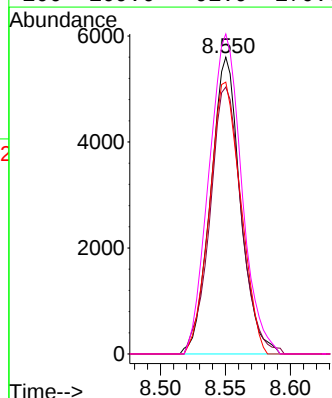
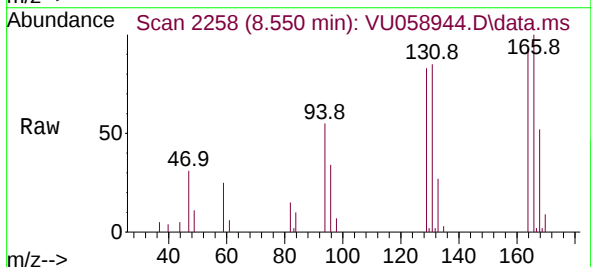
Instrument :
MSVOA_U
ClientSampleId :

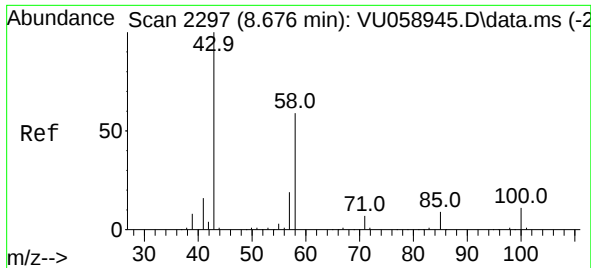
Tgt Ion:	97	Resp:	15815
Ion	Ratio	Lower	Upper
97	100		
99	62.3	42.6	79.2
83	92.1	62.2	115.6
85	57.7	40.2	74.6



#46
Tetrachloroethene
Concen: 9.758 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

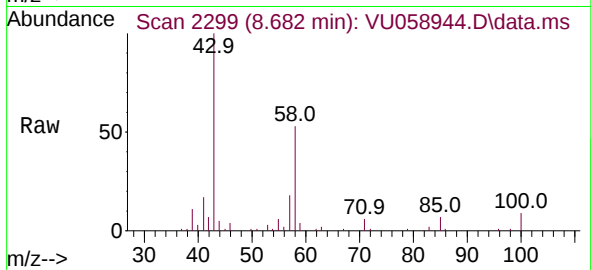
Tgt Ion:	164	Resp:	8941
Ion	Ratio	Lower	Upper
164	100		
129	92.5	70.6	131.0
131	91.6	69.2	128.6
166	109.6	91.9	170.7





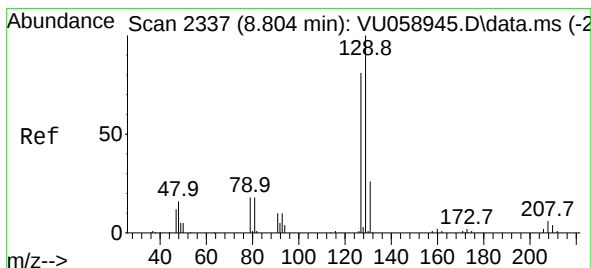
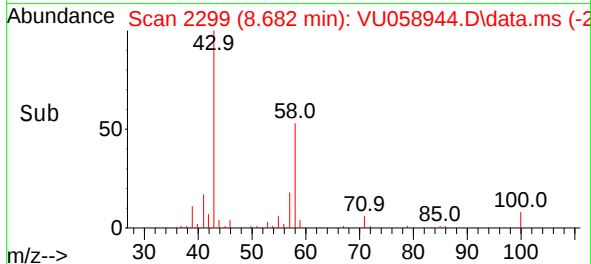
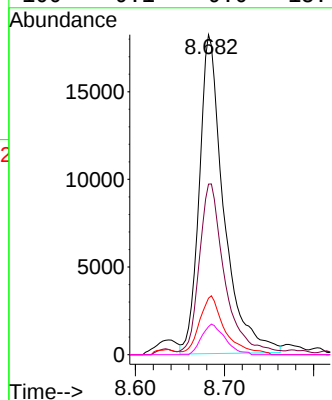
#48
2-Hexanone
Concen: 22.172 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 34838

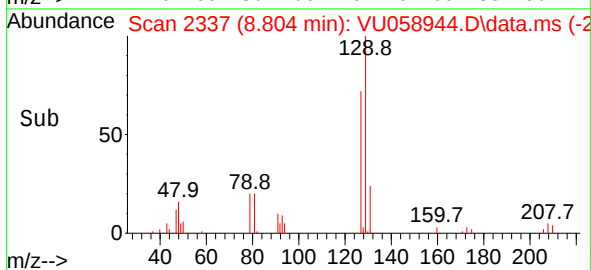
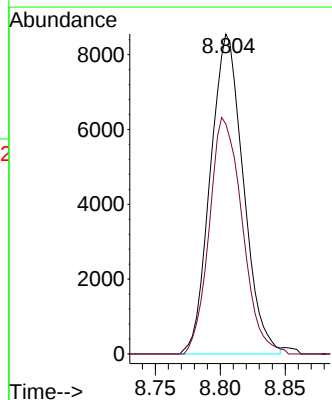
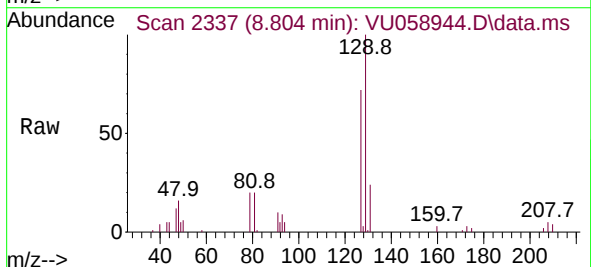
Ion	Ratio	Lower	Upper
43	100		
58	54.0	47.8	71.6
57	19.2	15.7	23.5
100	9.1	9.0	13.4

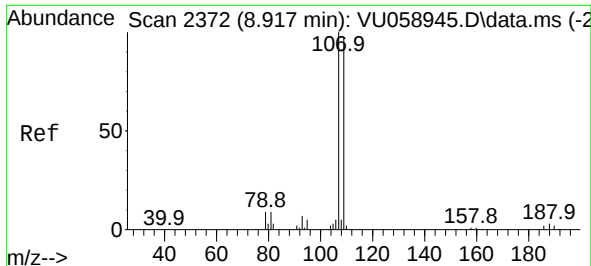


#49
Dibromochloromethane
Concen: 11.507 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Tgt Ion: 129 Resp: 15086

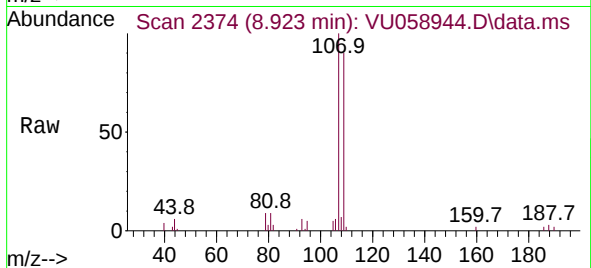
Ion	Ratio	Lower	Upper
129	100		
127	71.9	56.8	105.4



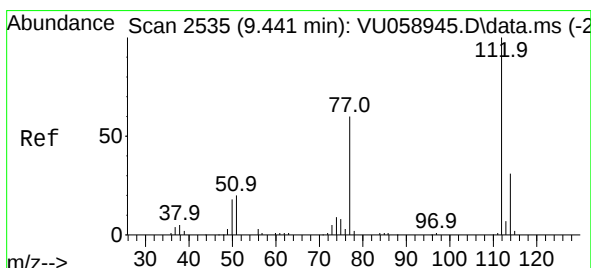
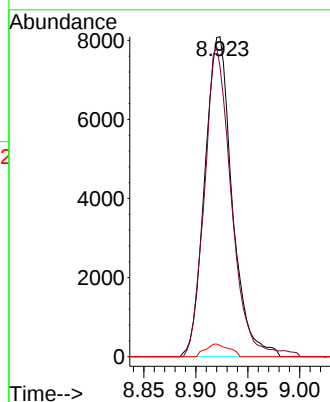
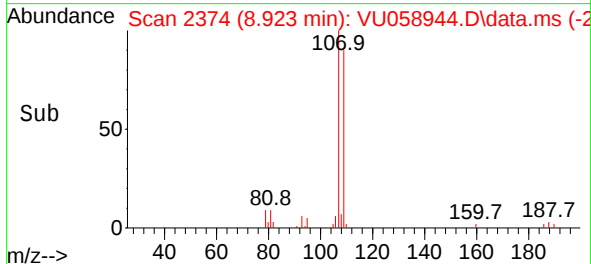


#50
1,2-Dibromoethane
Concen: 10.749 ug/L
RT: 8.923 min Scan# 2374
Delta R.T. 0.007 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Instrument :
MSVOA_U
ClientSampleId :

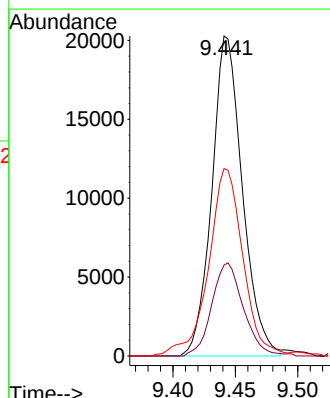
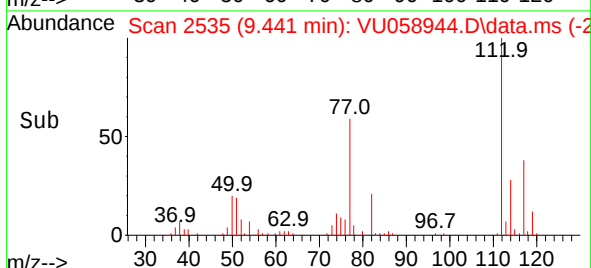
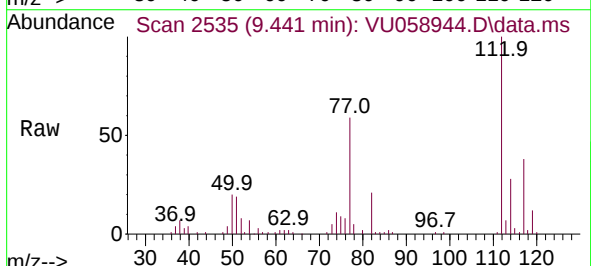


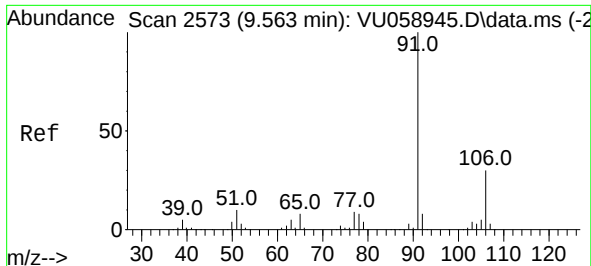
Tgt Ion:107 Resp: 14834
Ion Ratio Lower Upper
107 100
109 90.4 68.0 126.2
188 3.5 2.6 3.8



#51
Chlorobenzene
Concen: 10.323 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Tgt Ion:112 Resp: 34620
Ion Ratio Lower Upper
112 100
114 28.4 21.8 40.6
77 58.6 48.8 73.2





#52

Ethylbenzene

Concen: 8.798 ug/L

RT: 9.566 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

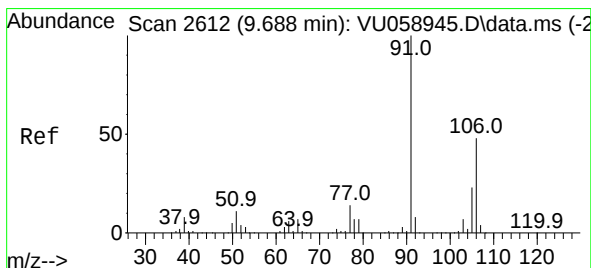
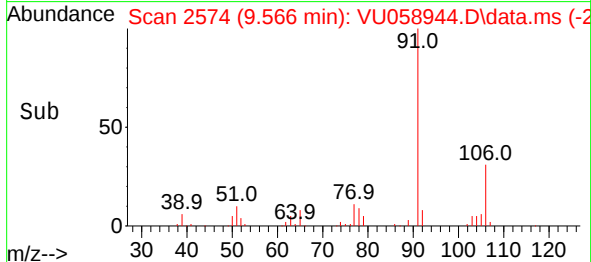
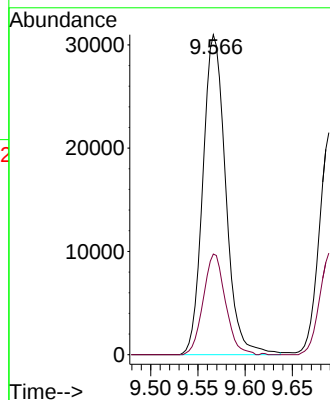
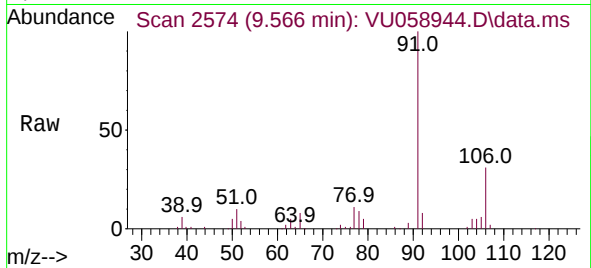
ClientSampleId :

Tgt Ion: 91 Resp: 52025

Ion Ratio Lower Upper

91 100

106 31.5 20.8 38.6



#53

m,p-Xylene

Concen: 8.440 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.003 min

Lab File: VU058944.D

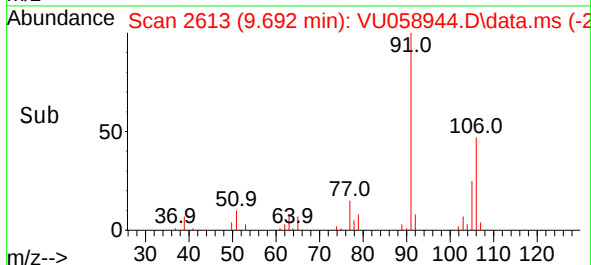
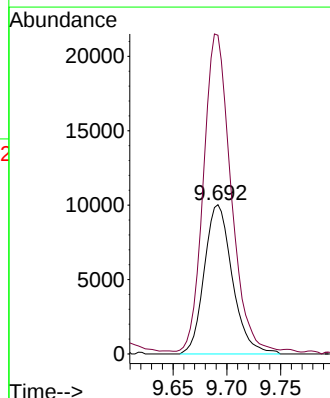
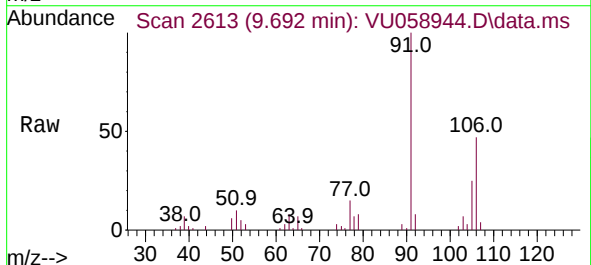
Acq: 23 May 2024 12:15

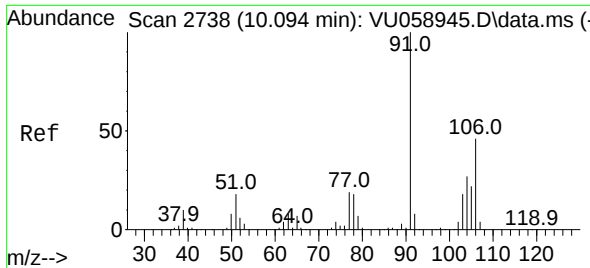
Tgt Ion:106 Resp: 18218

Ion Ratio Lower Upper

106 100

91 213.5 145.7 270.7

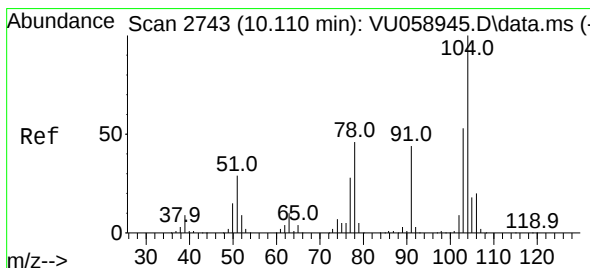
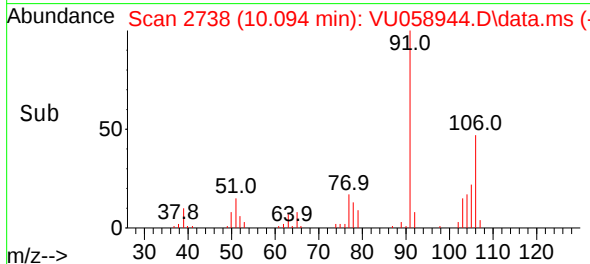
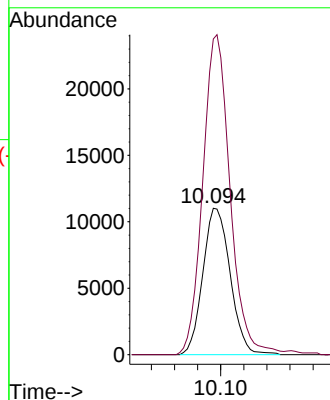
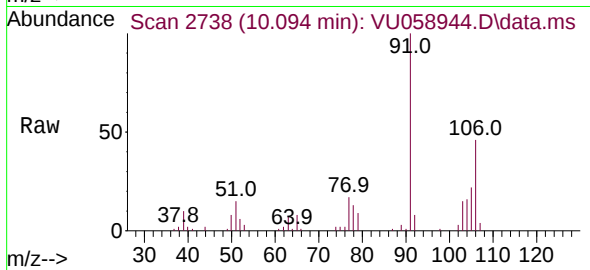




#54
o-Xylene
Concen: 8.564 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

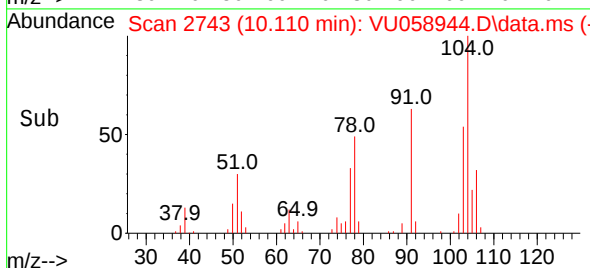
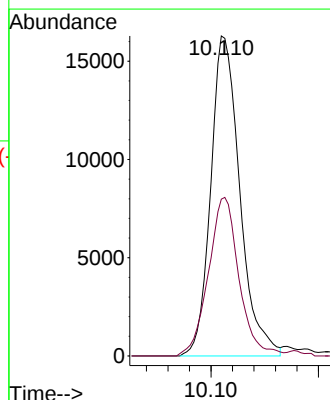
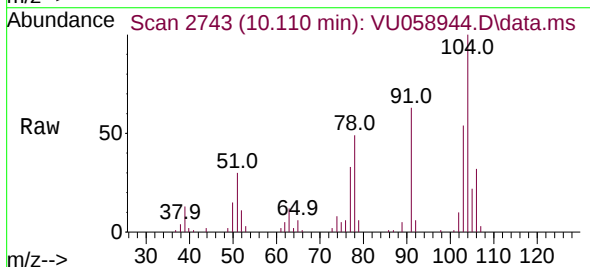
Instrument :
MSVOA_U
ClientSampleId :

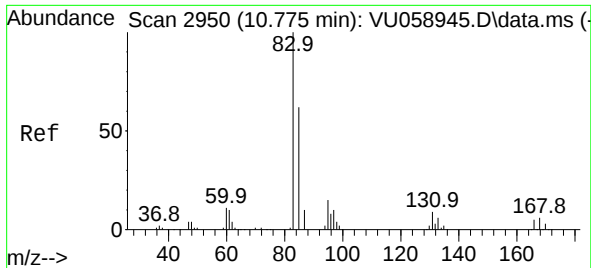
Tgt Ion:106 Resp: 18121
Ion Ratio Lower Upper
106 100
91 215.6 154.0 286.0



#55
Styrene
Concen: 8.498 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Tgt Ion:104 Resp: 30590
Ion Ratio Lower Upper
104 100
78 49.0 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 12.747 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

ClientSampleId :

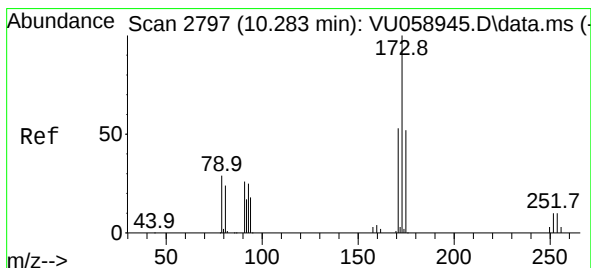
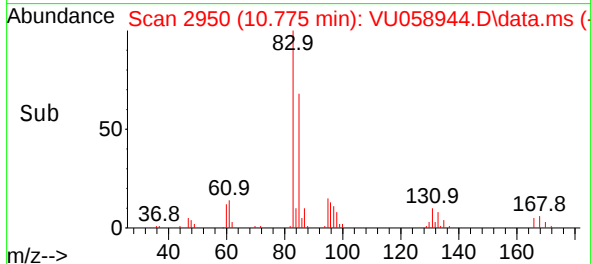
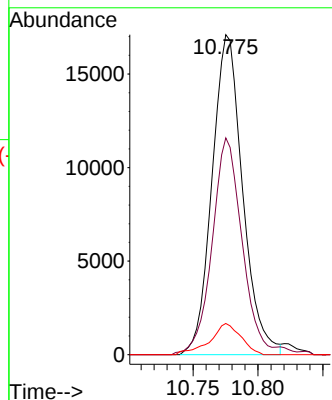
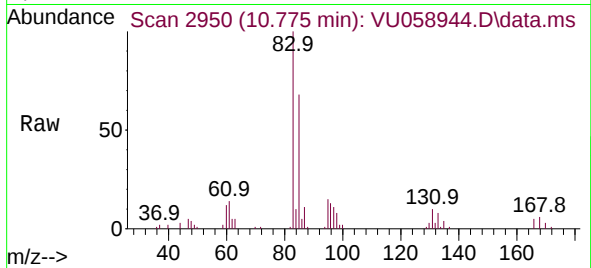
Tgt Ion: 83 Resp: 27979

Ion Ratio Lower Upper

83 100

85 67.8 43.5 80.9

131 9.8 7.1 10.7



#59

Bromoform

Concen: 11.735 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

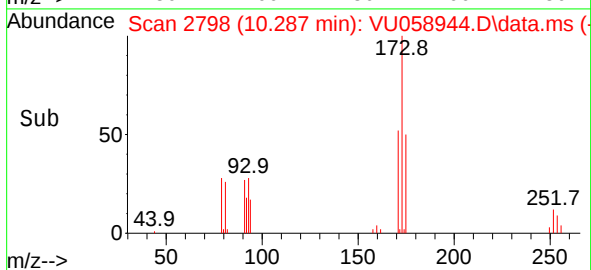
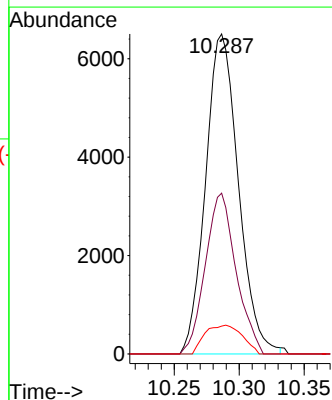
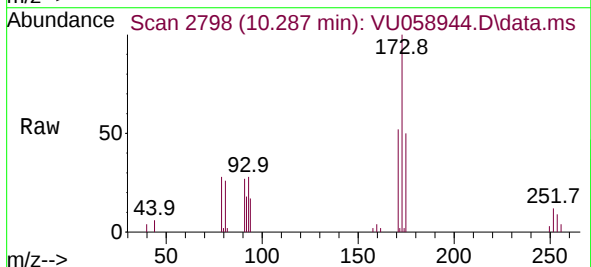
Tgt Ion:173 Resp: 11409

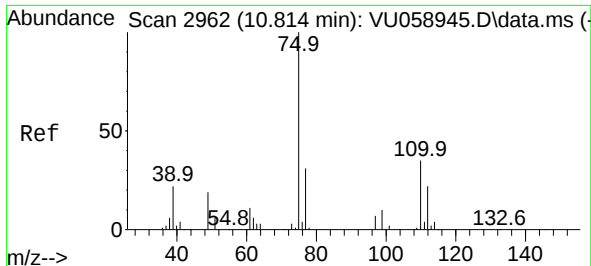
Ion Ratio Lower Upper

173 100

175 47.1 40.6 61.0

254 10.3 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 12.582 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.003 min

Lab File: VU058944.D

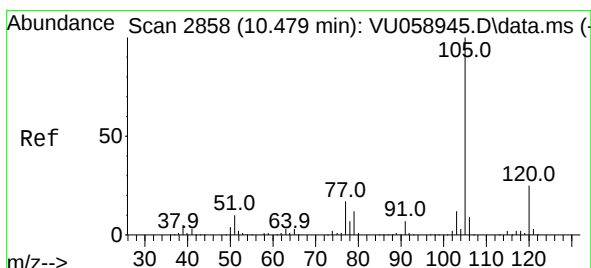
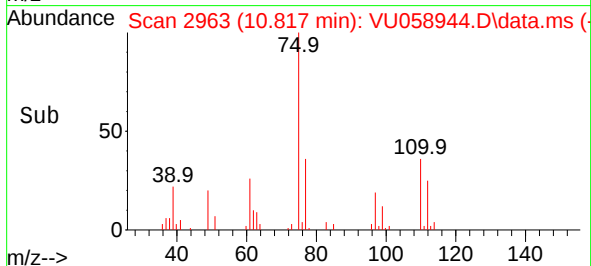
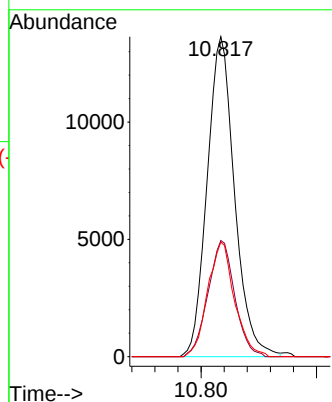
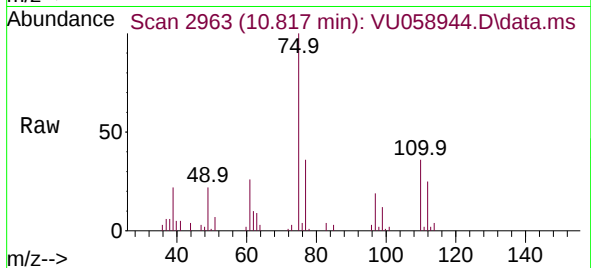
Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 75	Resp: 22493
Ion Ratio	Lower Upper
75	100
77	35.3 25.8 38.6
110	35.0 28.3 42.5



#61

Isopropylbenzene

Concen: 8.608 ug/L

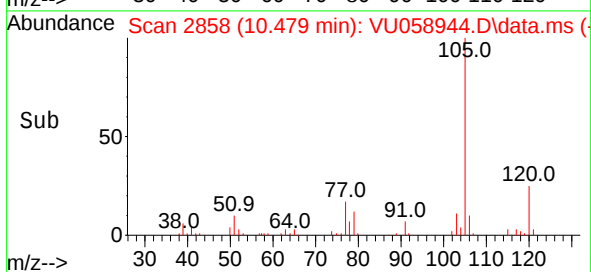
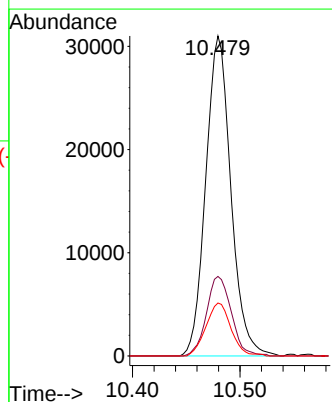
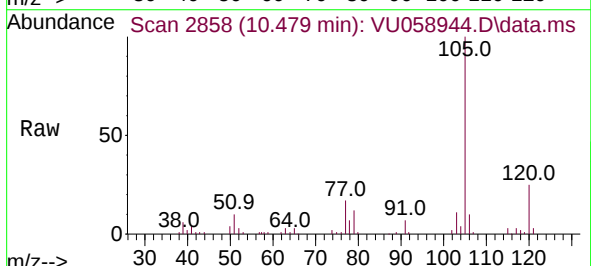
RT: 10.479 min Scan# 2858

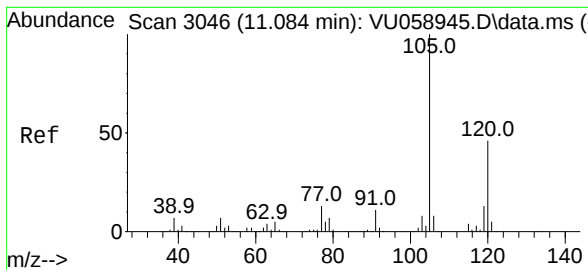
Delta R.T. 0.000 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Tgt Ion: 105	Resp: 50340
Ion Ratio	Lower Upper
105	100
120	24.5 20.0 30.0
77	16.3 13.4 20.0

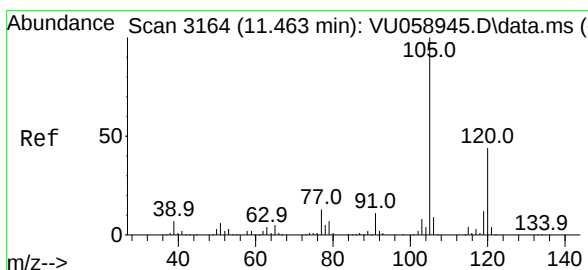
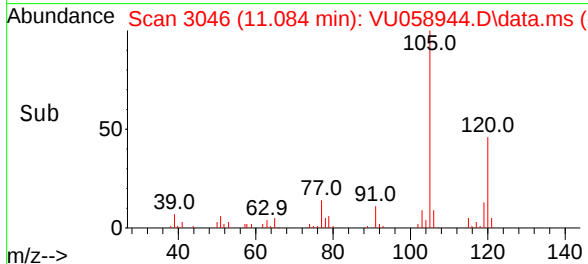
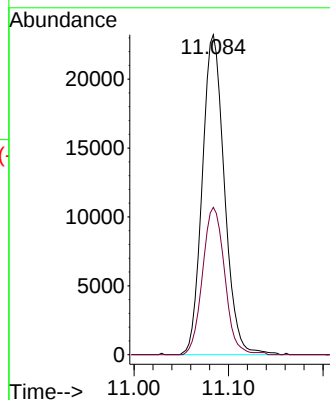
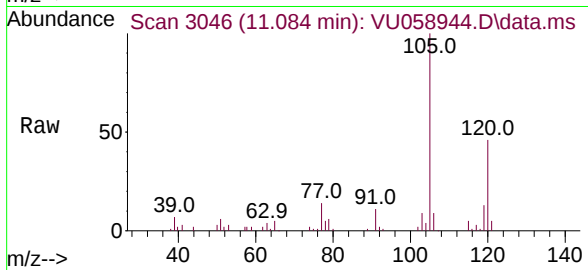




#62
1,3,5-Trimethylbenzene
Concen: 7.795 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

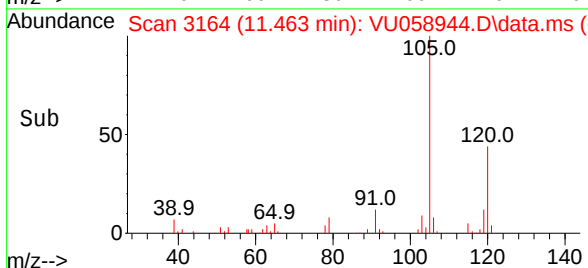
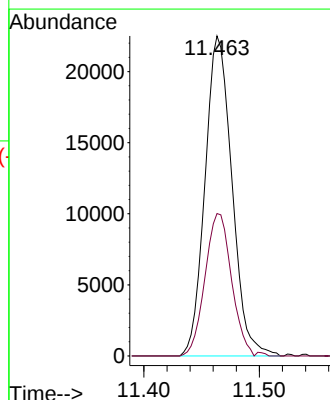
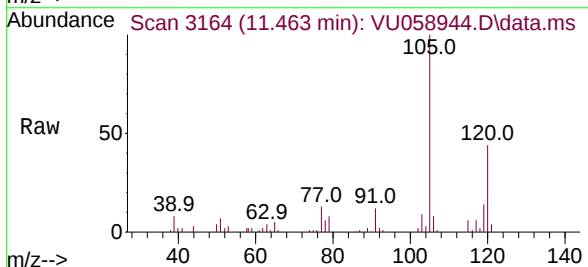
Instrument :
MSVOA_U
ClientSampleId :

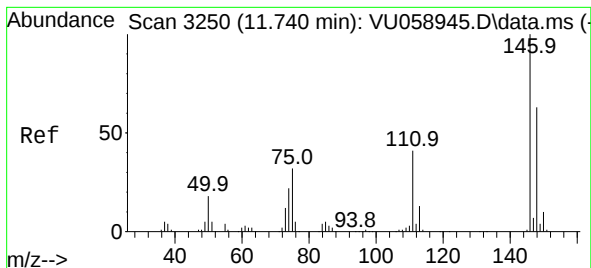
Tgt Ion:105 Resp: 37784
Ion Ratio Lower Upper
105 100
120 46.0 36.9 55.3



#63
1,2,4-Trimethylbenzene
Concen: 7.489 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU058944.D
Acq: 23 May 2024 12:15

Tgt Ion:105 Resp: 36508
Ion Ratio Lower Upper
105 100
120 43.5 35.3 52.9





#64

1,3-Dichlorobenzene

Concen: 10.913 ug/L

RT: 11.743 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

ClientSampleId :

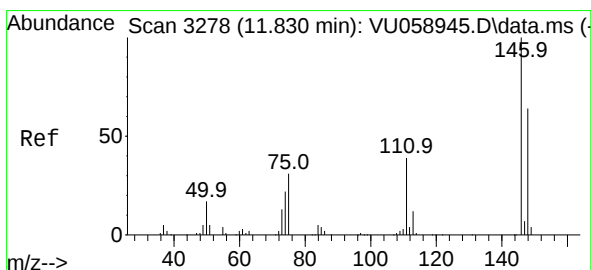
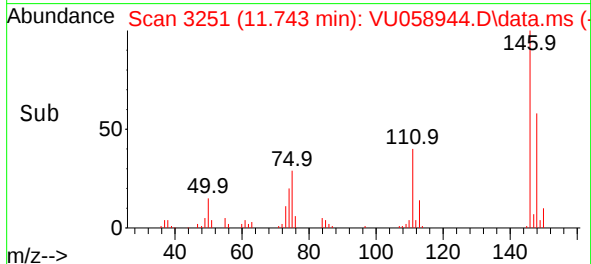
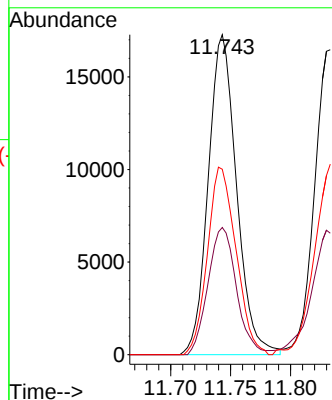
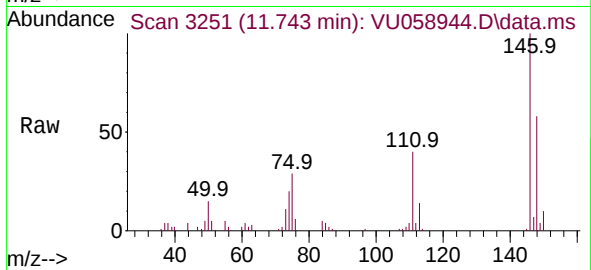
Tgt Ion:146 Resp: 28333

Ion Ratio Lower Upper

146 100

111 43.3 28.6 53.0

148 58.0 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 10.608 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

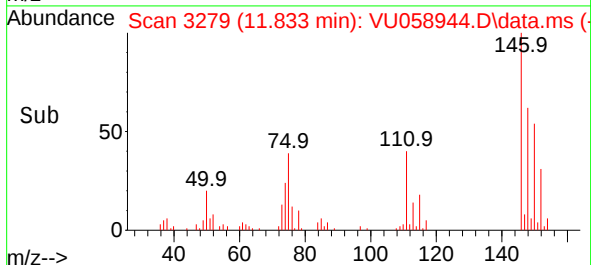
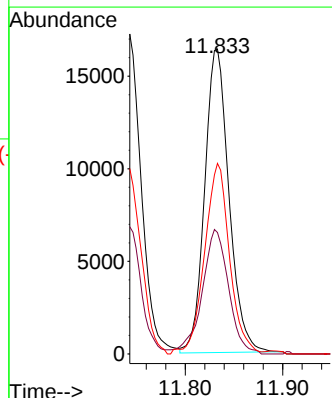
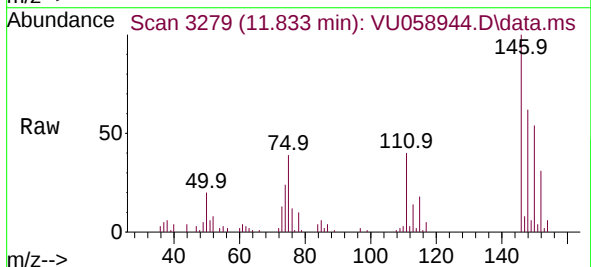
Tgt Ion:146 Resp: 28388

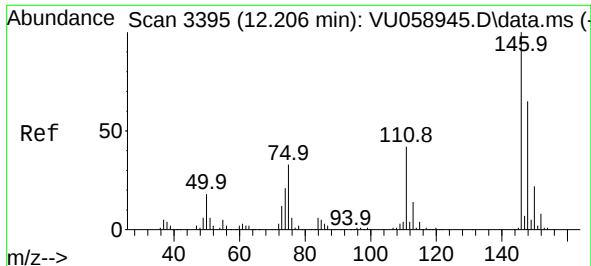
Ion Ratio Lower Upper

146 100

111 39.8 27.3 50.7

148 62.5 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 10.925 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

ClientSampleId :

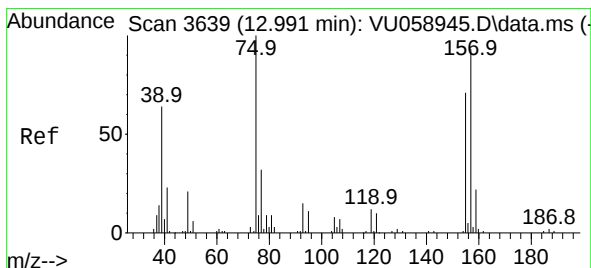
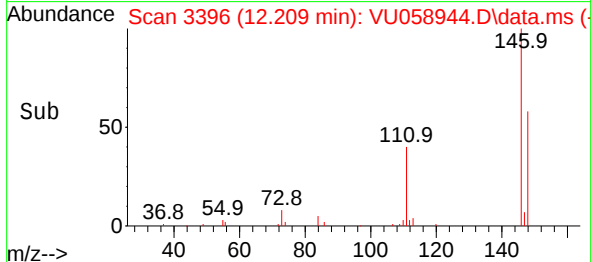
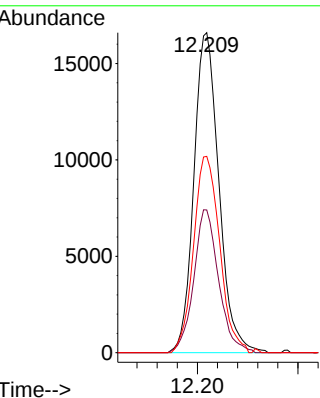
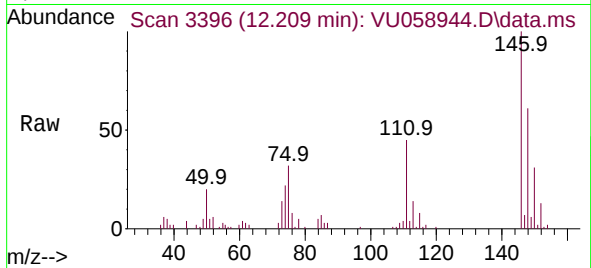
Tgt Ion:146 Resp: 28722

Ion Ratio Lower Upper

146 100

111 44.6 34.1 51.1

148 61.3 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 12.557 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

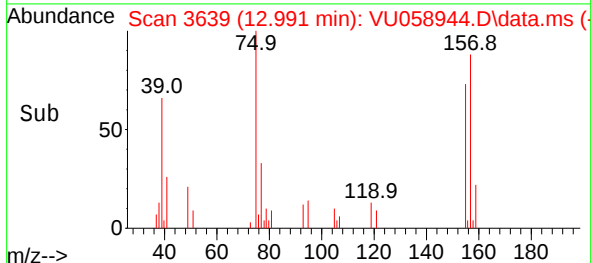
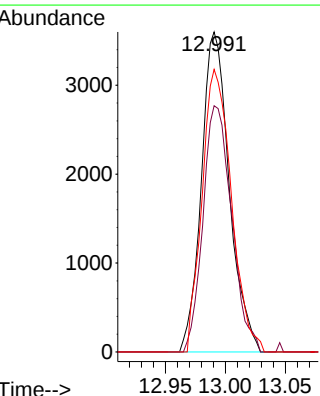
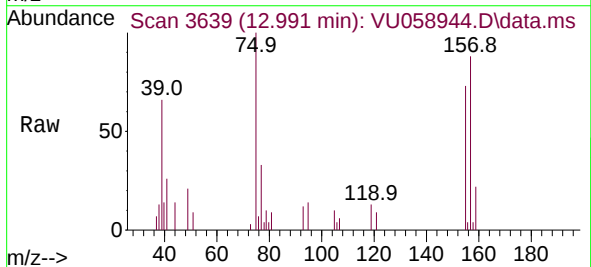
Tgt Ion: 75 Resp: 5810

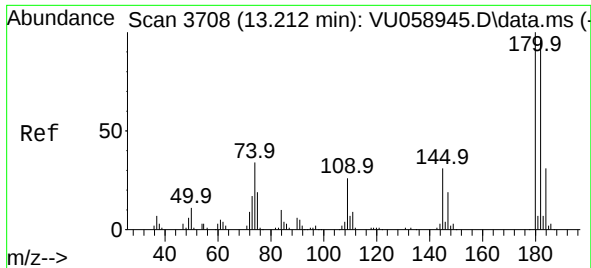
Ion Ratio Lower Upper

75 100

155 77.0 60.2 90.4

157 92.0 77.2 115.8





#69

1,3,5-Trichlorobenzene

Concen: 10.921 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.003 min

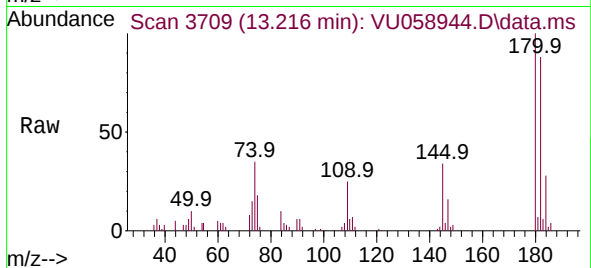
Lab File: VU058944.D

Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 19886

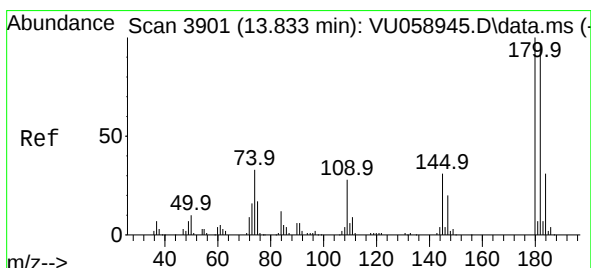
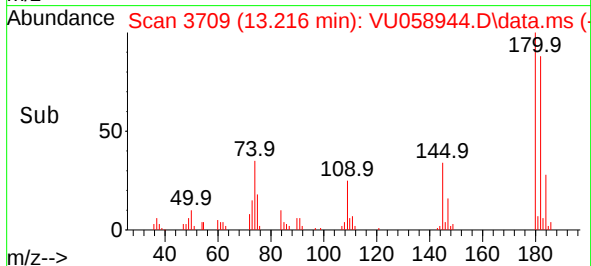
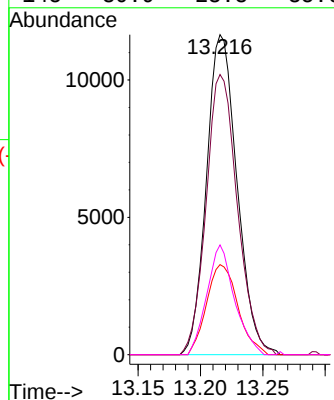
Ion Ratio Lower Upper

180 100

182 89.5 75.7 113.5

184 28.8 24.3 36.5

145 30.9 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 10.444 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

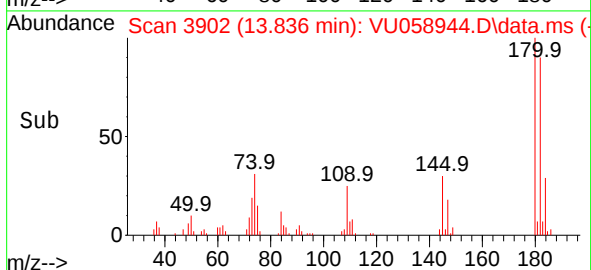
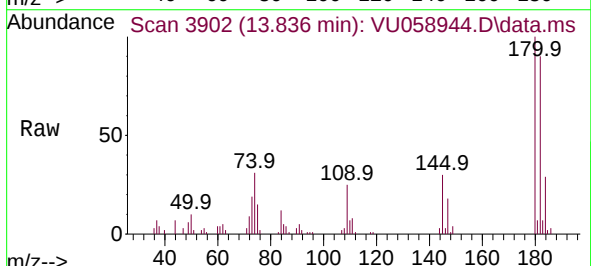
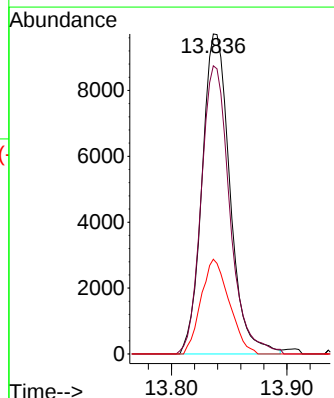
Tgt Ion:180 Resp: 16281

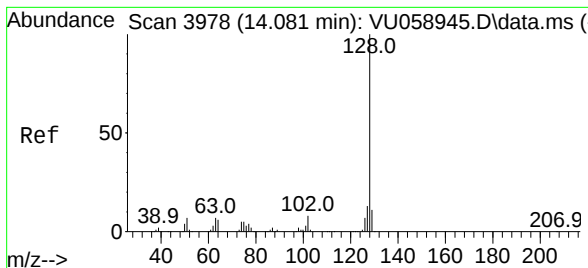
Ion Ratio Lower Upper

180 100

182 91.8 78.6 117.8

145 29.9 24.6 37.0





#71

Naphthalene

Concen: 9.446 ug/L

RT: 14.087 min Scan# 3978

Delta R.T. 0.006 min

Lab File: VU058944.D

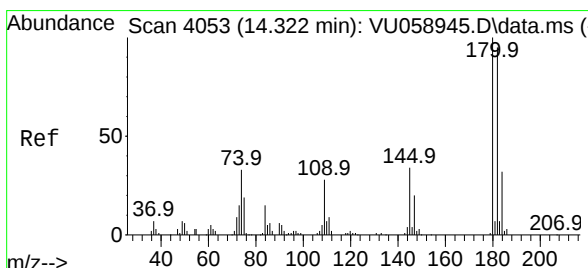
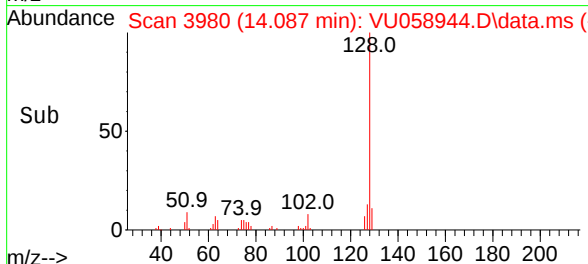
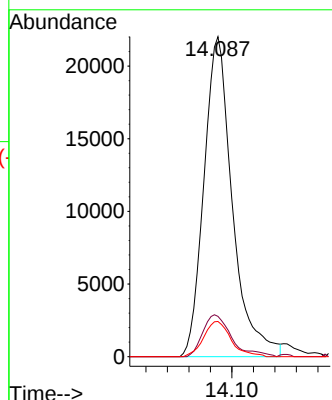
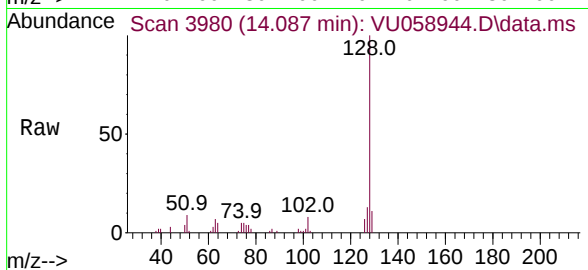
Acq: 23 May 2024 12:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	128	Resp:	40522
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.8	16.2
129	10.6	8.8	13.2



#72

1,2,3-Trichlorobenzene

Concen: 11.016 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VU058944.D

Acq: 23 May 2024 12:15

Tgt Ion:	180	Resp:	16573
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.1	114.1
145	32.5	26.2	39.2

