

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058946.D
 Acq On : 23 May 2024 13:07
 Operator : MD/SY
 Sample : VSTD100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 24 06:36:54 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	6.242	114	192063	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	194005	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	110821	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	199355	122.795	ug/L	0.00
7) Chloroethane-d5	1.907	69	165577	129.748	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	306213	107.223	ug/L	0.00
21) 2-Butanone-d5	4.611	46	296701	306.220	ug/L	0.00
24) Chloroform-d	5.055	84	344211	120.200	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	212291	117.782	ug/L	0.00
32) Benzene-d6	5.721	84	706577	117.017	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	225248	117.823	ug/L	0.00
41) Toluene-d8	7.891	98	646815	118.626	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	104730	114.145	ug/L	0.00
47) 2-Hexanone-d5	8.624	63	213470	270.106	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	339665	131.981	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	231075	107.337	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	116676	73.389	ug/L	100
3) Chloromethane	1.518	50	129011	84.827	ug/L	100
5) Vinyl chloride	1.602	62	147201	90.554	ug/L	99
6) Bromomethane	1.853	94	90213	91.581	ug/L	98
8) Chloroethane	1.927	64	103383	104.216	ug/L	99
9) Trichlorofluoromethane	2.136	101	200774	88.246	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	134191	97.786	ug/L	98
12) 1,1-Dichloroethene	2.573	96	109632	89.324	ug/L	81
13) Acetone	2.624	43	225951	208.719	ug/L	100
14) Carbon disulfide	2.788	76	205017	58.329	ug/L	100
15) Methyl Acetate	2.939	43	194967	129.280	ug/L	99
16) Methylene chloride	3.036	84	152852	103.619	ug/L	98
17) trans-1,2-Dichloroethene	3.348	96	116080	93.077	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	472425	105.181	ug/L	99
19) 1,1-Dichloroethane	3.859	63	288210	109.770	ug/L	98
20) cis-1,2-Dichloroethene	4.656	96	154446	104.021	ug/L	97
22) 2-Butanone	4.692	43	313552	254.683	ug/L	98
23) Bromochloromethane	4.965	128	77957	106.037	ug/L	96
25) Chloroform	5.078	83	301877	111.598	ug/L	99
27) 1,2-Dichloroethane	5.785	62	231012	104.488	ug/L	100
29) Cyclohexane	5.383	56	173590	74.769	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	231154	94.879	ug/L	98
31) Carbon tetrachloride	5.518	117	182366	87.355	ug/L	100
33) Benzene	5.766	78	592769	99.420	ug/L	100
34) Trichloroethene	6.534	95	151652	94.479	ug/L	99
35) Methylcyclohexane	6.756	83	187534	77.208	ug/L	99
37) 1,2-Dichloropropane	6.782	63	184572	109.060	ug/L	99
38) Bromodichloromethane	7.097	83	232528	109.155	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	277289	104.176	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	583168	264.915	ug/L	99
42) Toluene	7.962	91	641624	101.363	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	261238	105.828	ug/L	97

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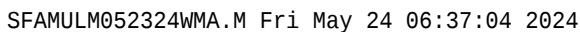
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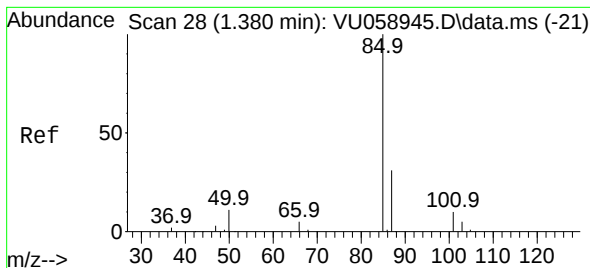
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 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:34:37 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	181816	114.507	ug/L	98
46) Tetrachloroethene	8.547	164	99921	90.755	ug/L	99
48) 2-Hexanone	8.676	43	474837	251.503	ug/L	98
49) Dibromochloromethane	8.801	129	177287	112.541	ug/L	94
50) 1,2-Dibromoethane	8.917	107	178452	107.614	ug/L	98
51) Chlorobenzene	9.441	112	411445	102.103	ug/L	100
52) Ethylbenzene	9.563	91	713779	100.463	ug/L	98
53) m,p-Xylene	9.688	106	270196	104.175	ug/L	98
54) o-Xylene	10.094	106	265205	104.305	ug/L	99
55) Styrene	10.106	104	489376	113.146	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	336951	127.763	ug/L	98
59) Bromoform	10.283	173	140549	108.292	ug/L	97
60) 1,2,3-Trichloropropane	10.814	75	265361	111.187	ug/L	99
61) Isopropylbenzene	10.476	105	731852	93.747	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	600525	92.805	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	614320	94.397	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	347403	100.229	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	355987	99.648	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	357675	101.910	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	76080	123.166	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	251964	103.648	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	231695	111.337	ug/L	97
71) Naphthalene	14.080	128	764878	133.558	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	238758	118.873	ug/L	100

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

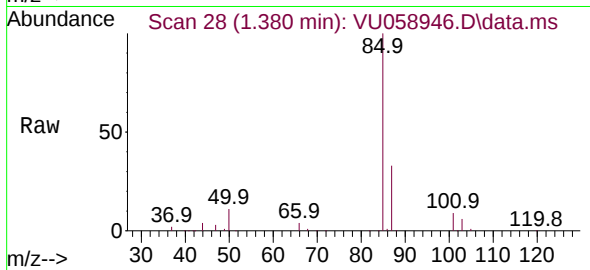
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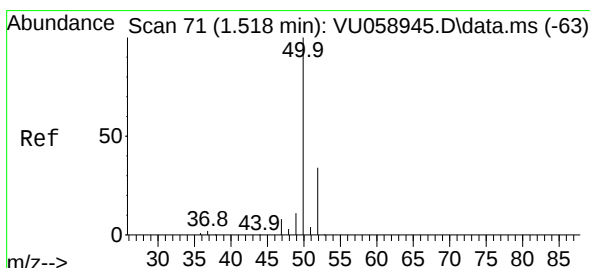
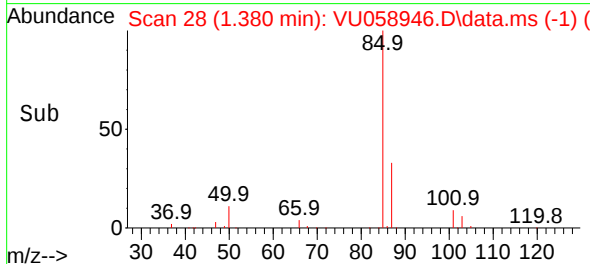
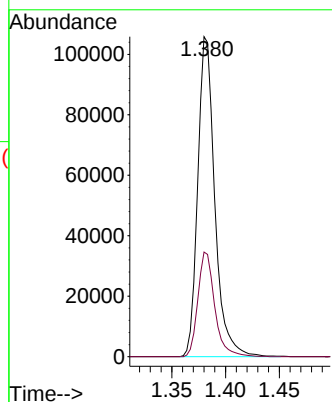


#2
Dichlorodifluoromethane
Concen: 73.389 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

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MSVOA_U
ClientSampleId :

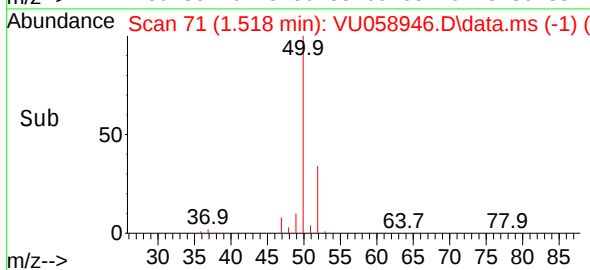
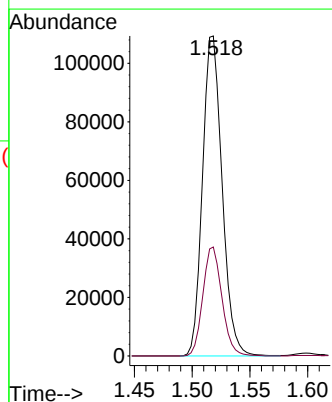
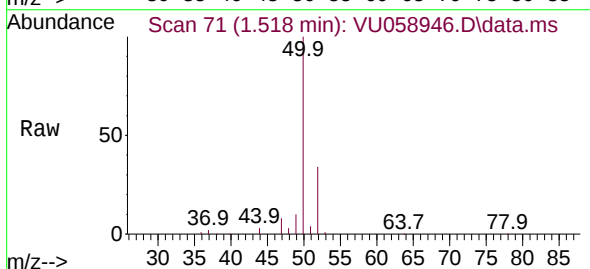


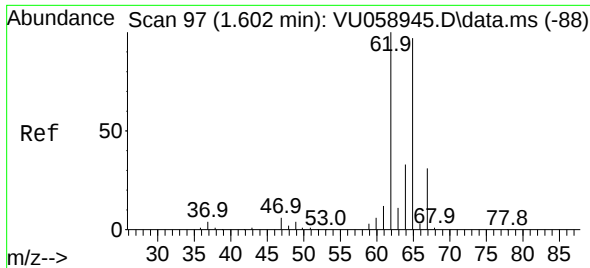
Tgt Ion: 85 Resp: 116676
Ion Ratio Lower Upper
85 100
87 32.3 25.7 38.5



#3
Chloromethane
Concen: 84.827 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

Tgt Ion: 50 Resp: 129011
Ion Ratio Lower Upper
50 100
52 34.0 23.9 44.3

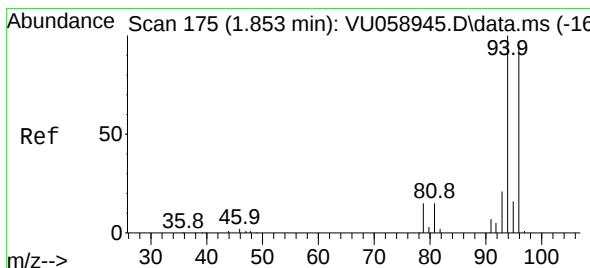
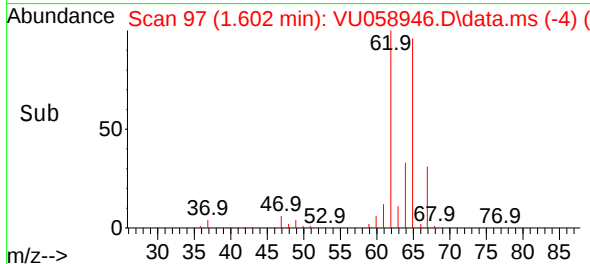
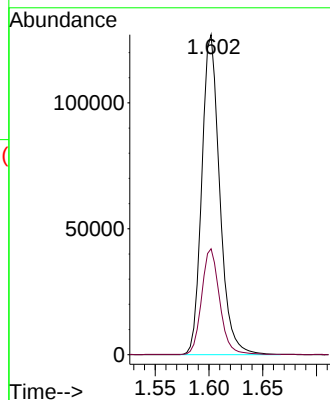
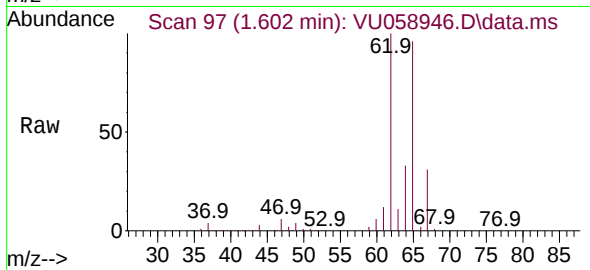




#5
 Vinyl chloride
 Concen: 90.554 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU058946.D
 Acq: 23 May 2024 13:07

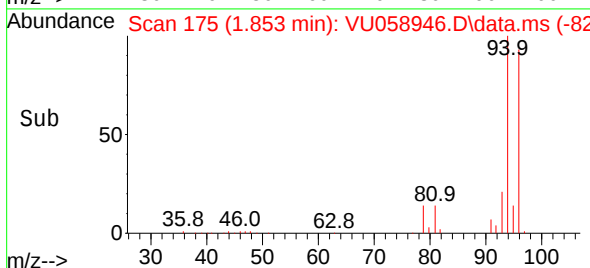
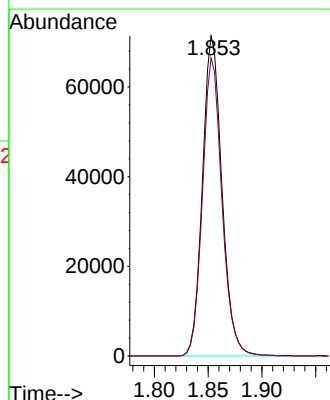
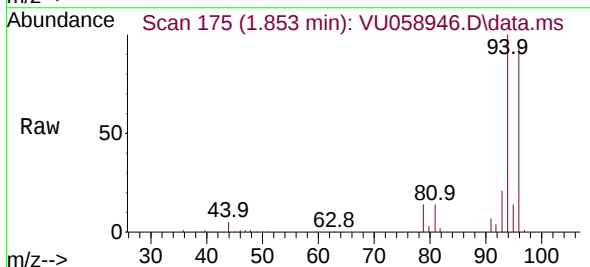
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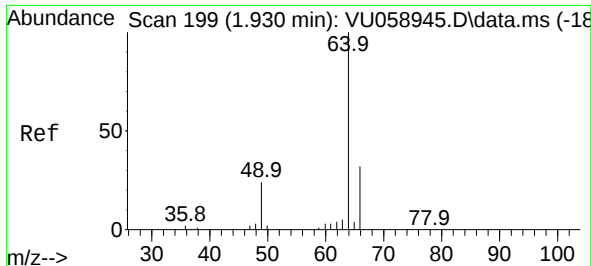
Tgt Ion: 62 Resp: 147201
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.7 43.9



#6
 Bromomethane
 Concen: 91.581 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU058946.D
 Acq: 23 May 2024 13:07

Tgt Ion: 94 Resp: 90213
 Ion Ratio Lower Upper
 94 100
 96 93.1 66.6 123.6

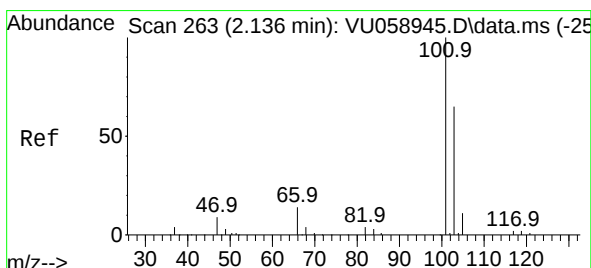
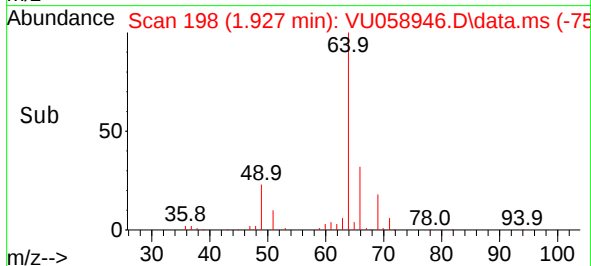
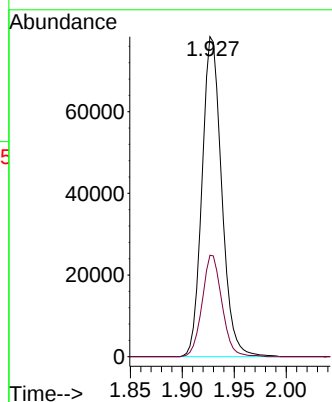
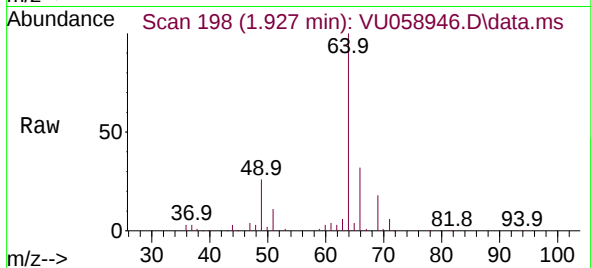




#8
Chloroethane
Concen: 104.216 ug/L
RT: 1.927 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

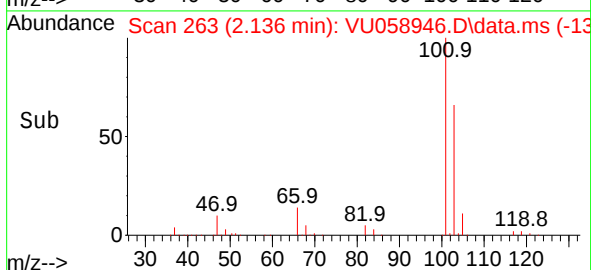
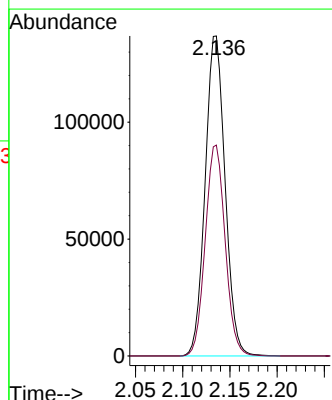
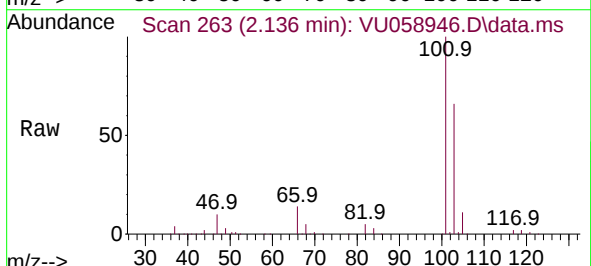
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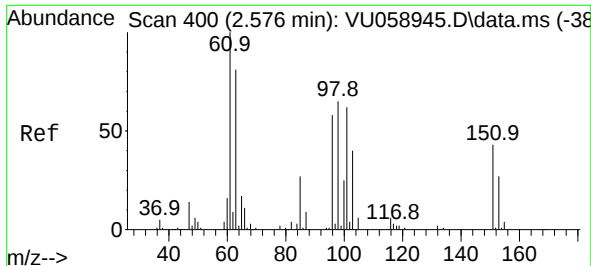
Tgt Ion: 64 Resp: 103383
Ion Ratio Lower Upper
64 100
66 31.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 88.246 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

Tgt Ion:101 Resp: 200774
Ion Ratio Lower Upper
101 100
103 65.8 51.6 77.4

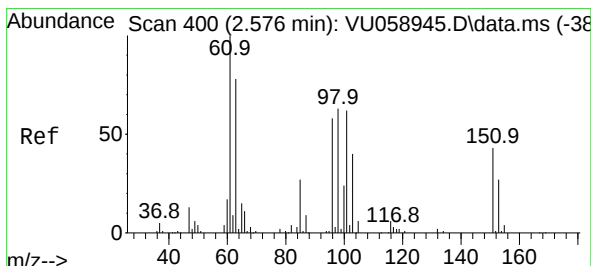
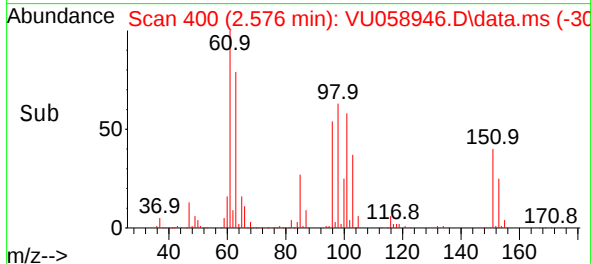
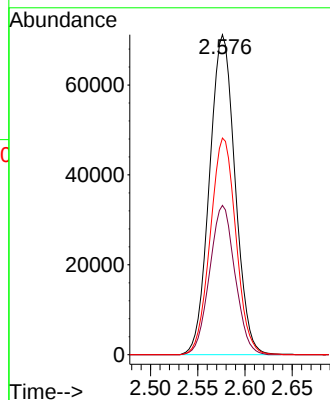
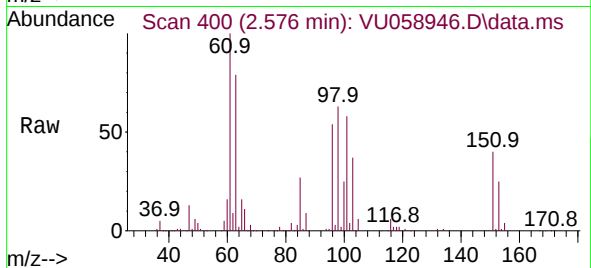




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 97.786 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU058946.D
 Acq: 23 May 2024 13:07

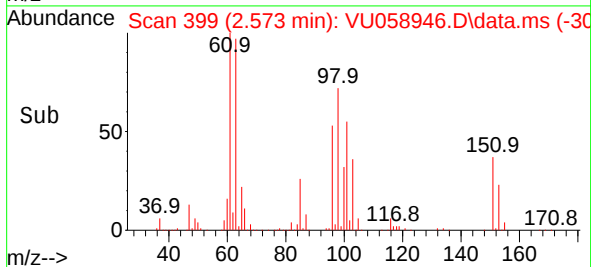
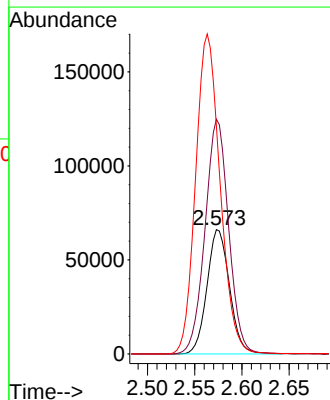
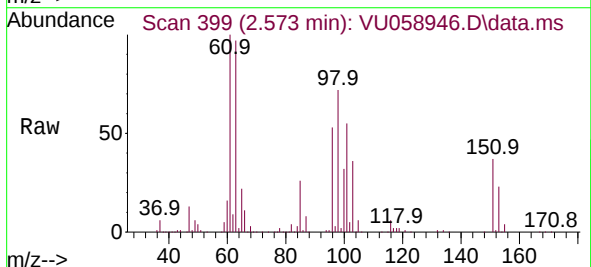
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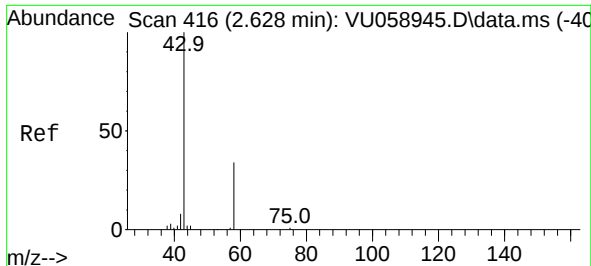
Tgt Ion:101 Resp: 134191
 Ion Ratio Lower Upper
 101 100
 85 46.2 34.9 52.3
 151 67.9 54.5 81.7



#12
 1,1-Dichloroethene
 Concen: 89.324 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU058946.D
 Acq: 23 May 2024 13:07

Tgt Ion: 96 Resp: 109632
 Ion Ratio Lower Upper
 96 100
 61 189.0 122.2 227.0
 63 184.1 102.8 190.8





#13

Acetone

Concen: 208.719 ug/L

RT: 2.624 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

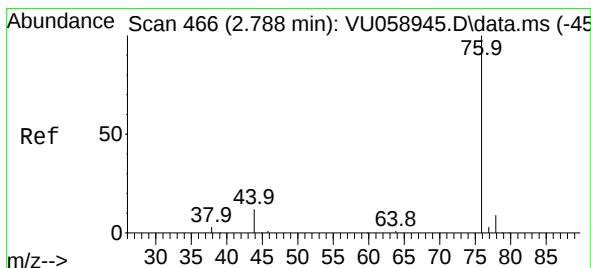
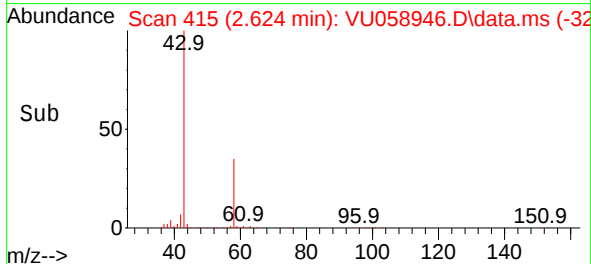
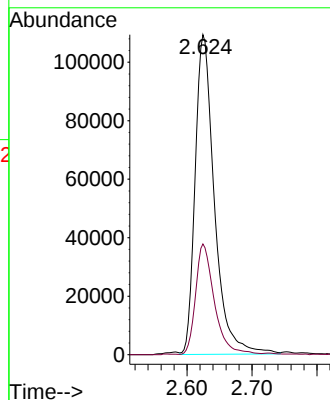
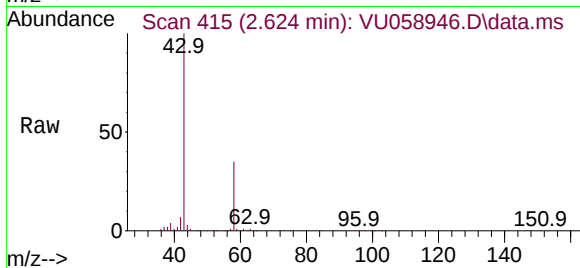
ClientSampleId :

Tgt Ion: 43 Resp: 225951

Ion Ratio Lower Upper

43 100

58 33.6 0.0 67.2



#14

Carbon disulfide

Concen: 58.329 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU058946.D

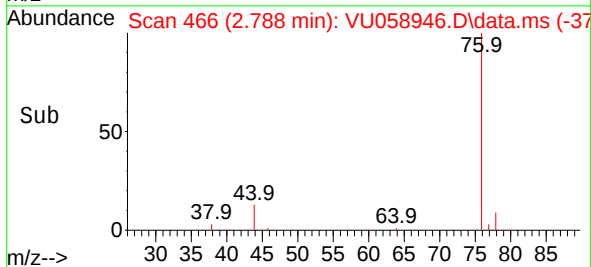
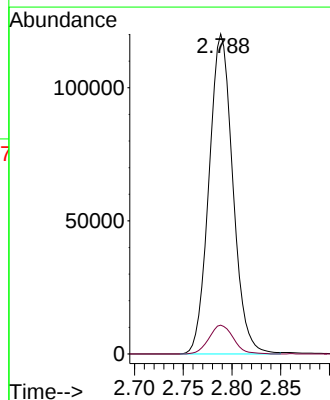
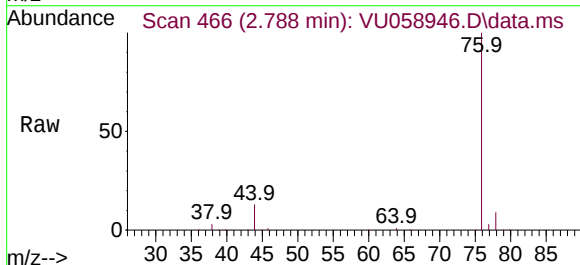
Acq: 23 May 2024 13:07

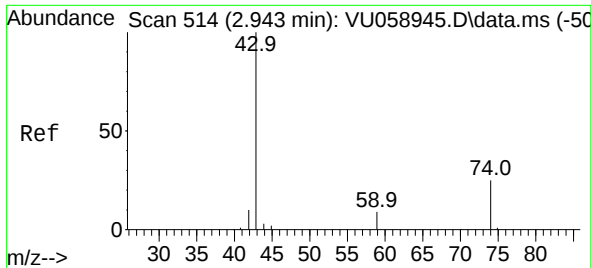
Tgt Ion: 76 Resp: 205017

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7





#15

Methyl Acetate

Concen: 129.280 ug/L

RT: 2.939 min Scan# 51

Delta R.T. -0.003 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

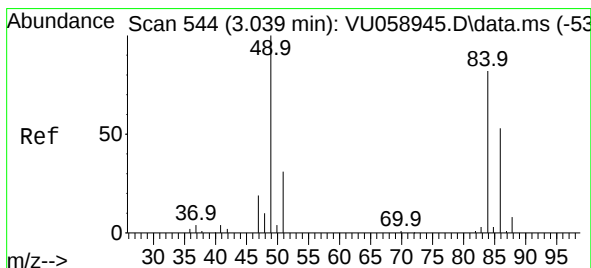
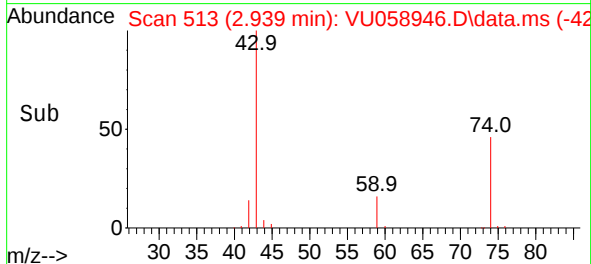
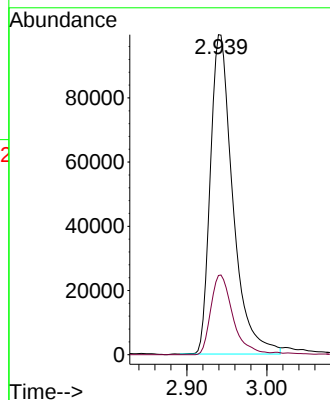
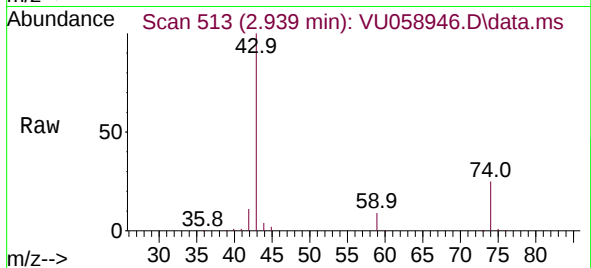
ClientSampleId :

Tgt Ion: 43 Resp: 194967

Ion Ratio Lower Upper

43 100

74 24.4 19.8 29.8



#16

Methylene chloride

Concen: 103.619 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

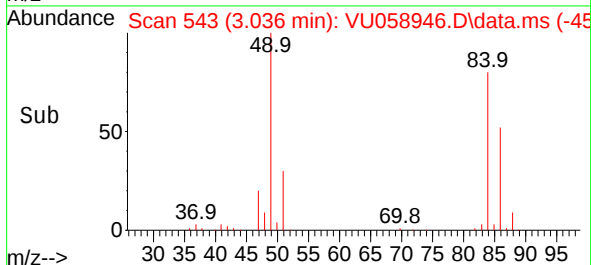
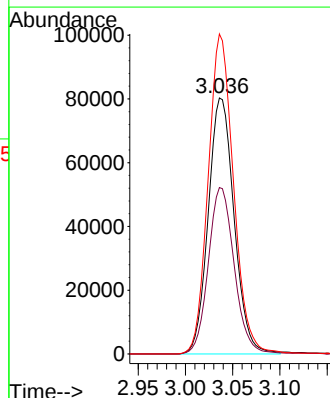
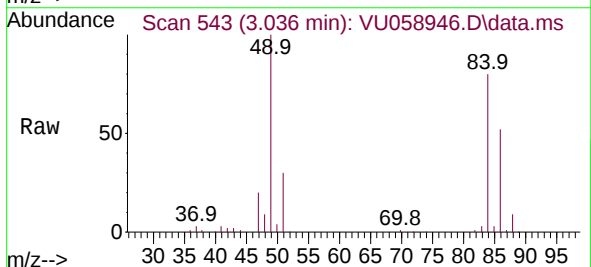
Tgt Ion: 84 Resp: 152852

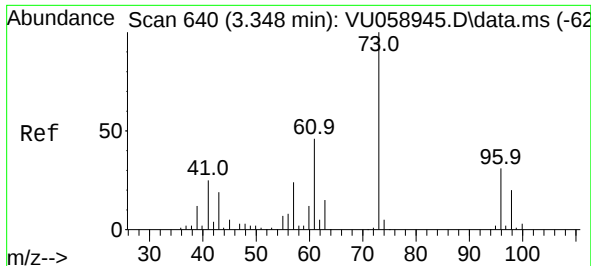
Ion Ratio Lower Upper

84 100

86 65.0 44.9 83.5

49 125.0 85.4 158.6





#17

trans-1,2-Dichloroethene

Concen: 93.077 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

ClientSampleId :

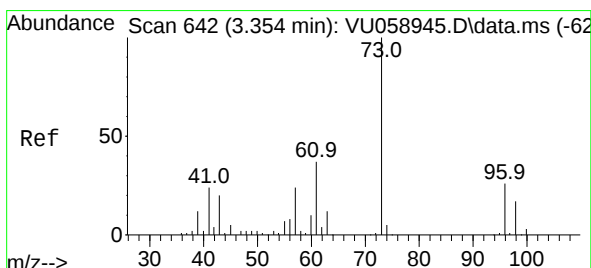
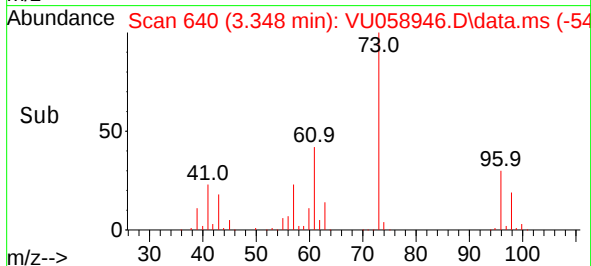
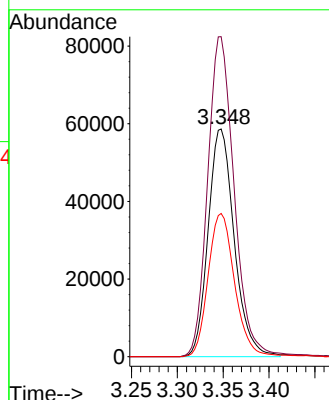
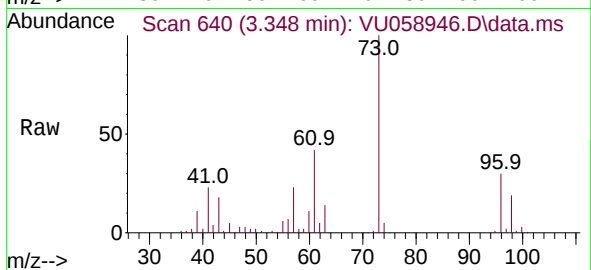
Tgt Ion: 96 Resp: 116080

Ion Ratio Lower Upper

96 100

61 140.6 103.5 192.1

98 62.9 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 105.181 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

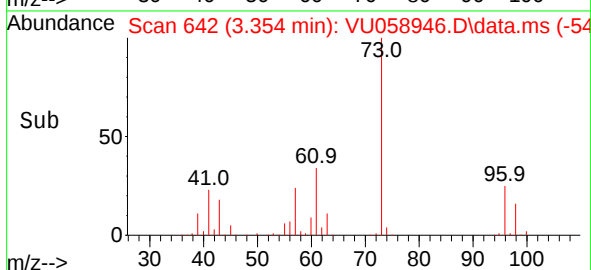
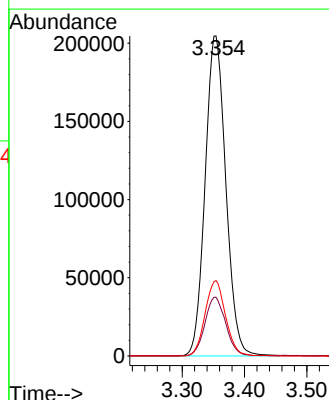
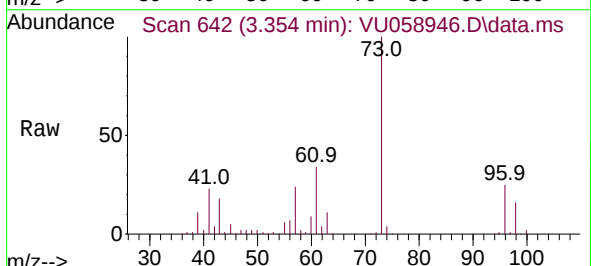
Tgt Ion: 73 Resp: 472425

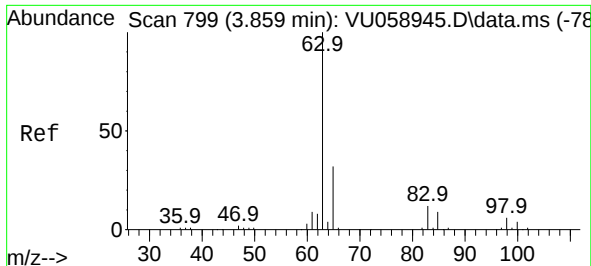
Ion Ratio Lower Upper

73 100

43 18.4 15.4 23.2

57 23.3 18.6 27.8





#19

1,1-Dichloroethane

Concen: 109.770 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

ClientSampleId :

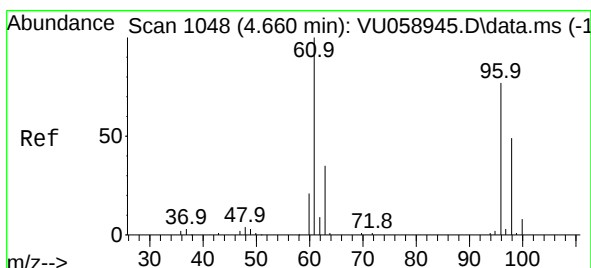
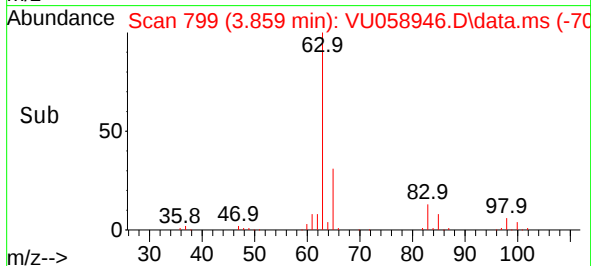
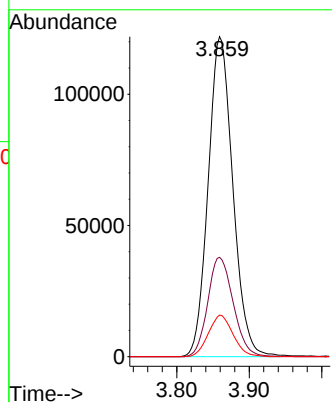
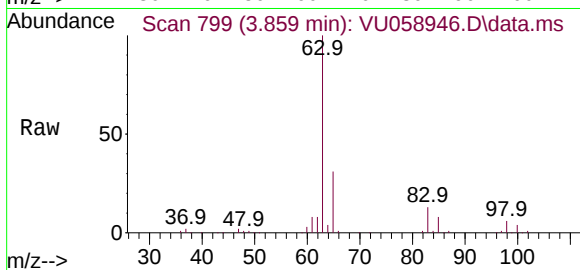
Tgt Ion: 63 Resp: 288210

Ion Ratio Lower Upper

63 100

65 31.1 22.3 41.3

83 13.0 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 104.021 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

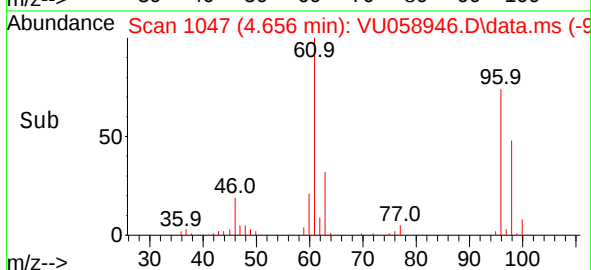
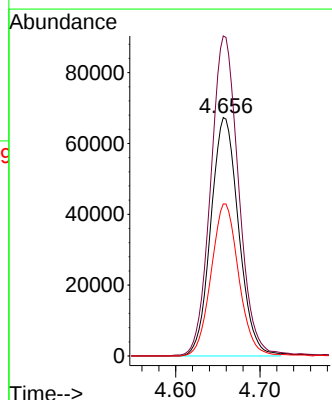
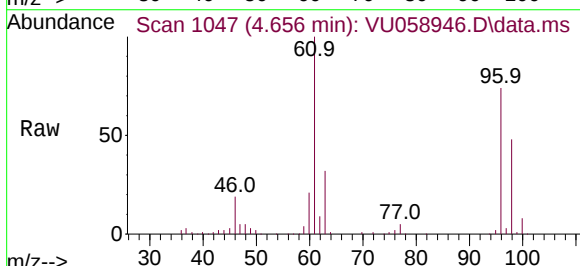
Tgt Ion: 96 Resp: 154446

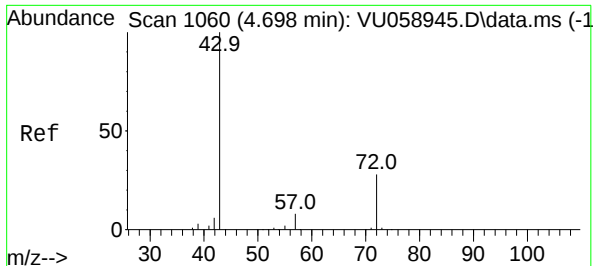
Ion Ratio Lower Upper

96 100

61 134.3 91.1 169.3

98 63.8 44.4 82.4

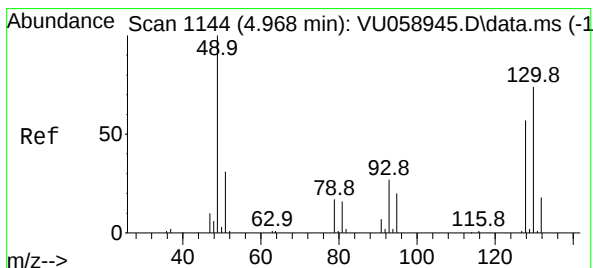
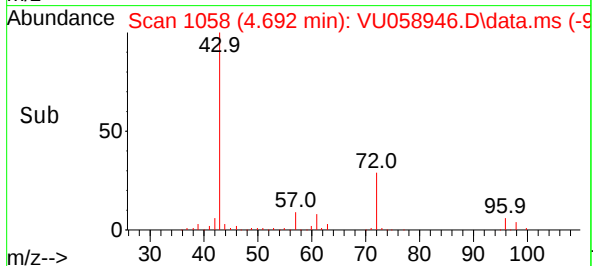
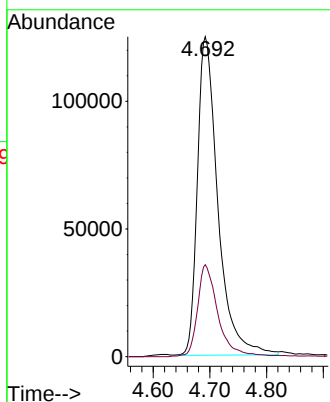
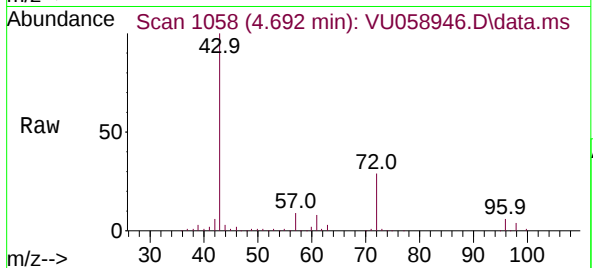




#22
2-Butanone
Concen: 254.683 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. -0.006 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

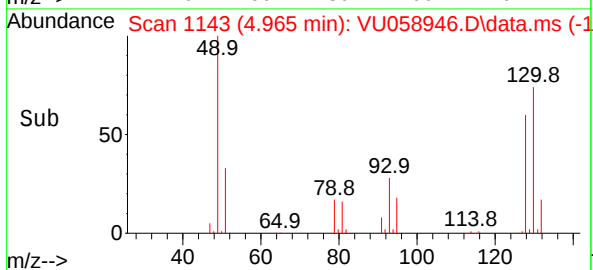
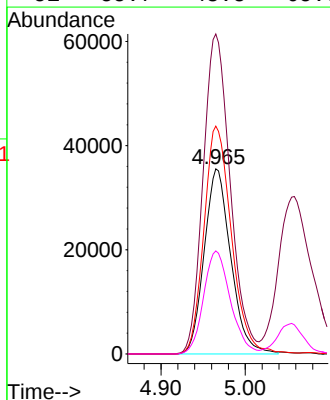
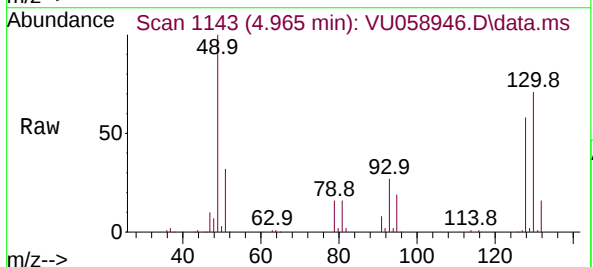
Instrument :
MSVOA_U
ClientSampleId :

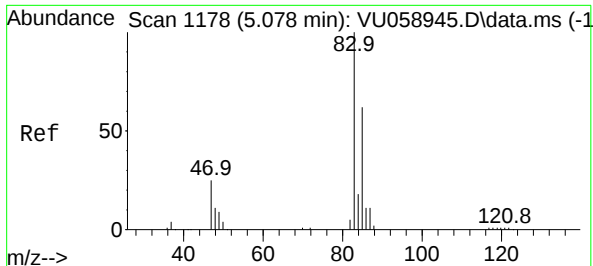
Tgt Ion: 43 Resp: 313552
Ion Ratio Lower Upper
43 100
72 28.7 13.9 41.7



#23
Bromochloromethane
Concen: 106.037 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

Tgt Ion:128 Resp: 77957
Ion Ratio Lower Upper
128 100
49 172.9 123.8 229.8
130 123.1 90.6 168.2
51 55.7 43.8 65.6





#25

Chloroform

Concen: 111.598 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

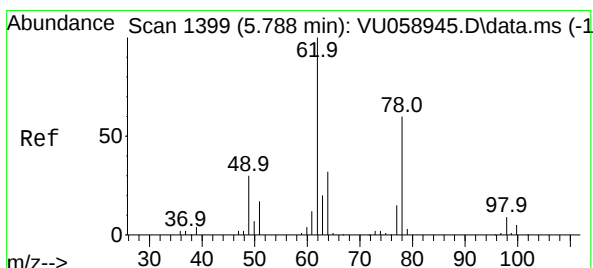
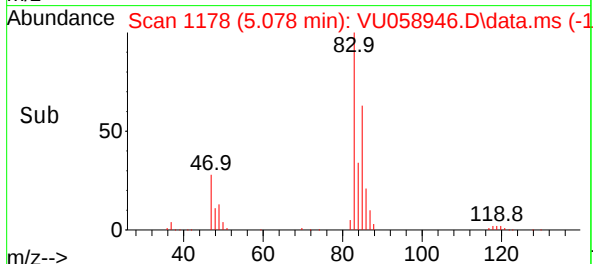
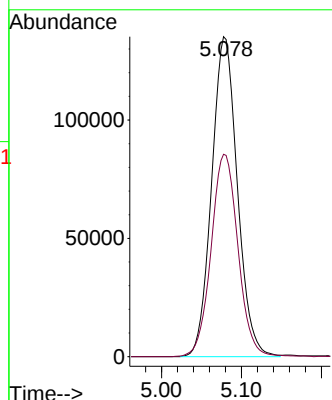
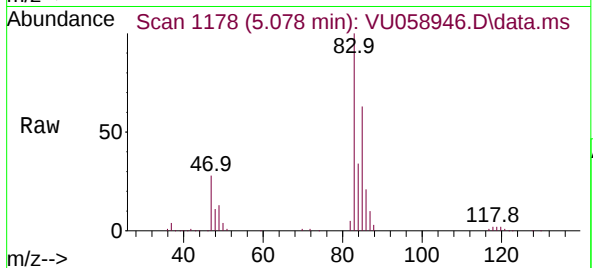
ClientSampleId :

Tgt Ion: 83 Resp: 301877

Ion Ratio Lower Upper

83 100

85 63.3 43.8 81.3



#27

1,2-Dichloroethane

Concen: 104.488 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU058946.D

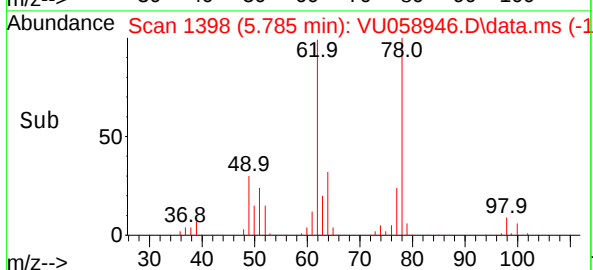
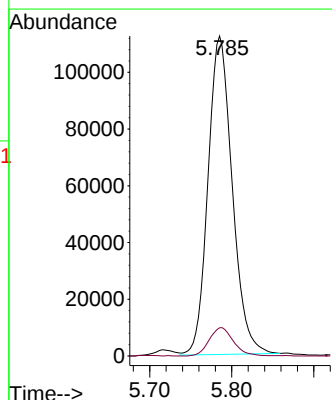
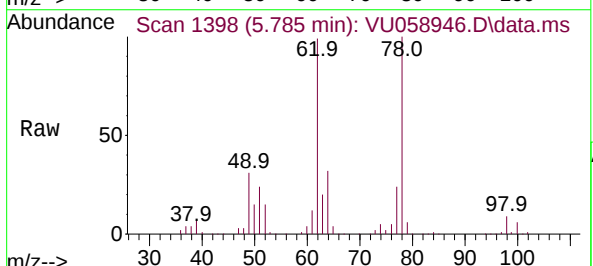
Acq: 23 May 2024 13:07

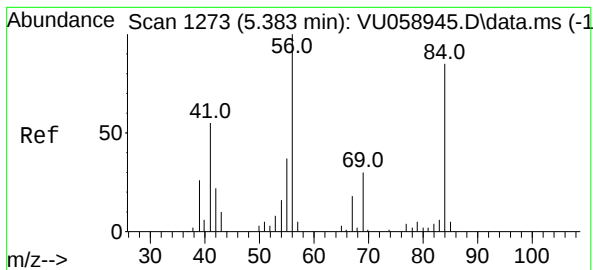
Tgt Ion: 62 Resp: 231012

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.4





#29

Cyclohexane

Concen: 74.769 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

ClientSampleId :

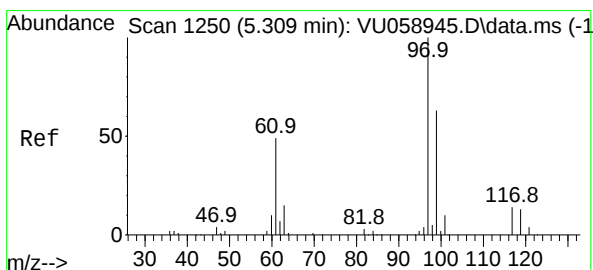
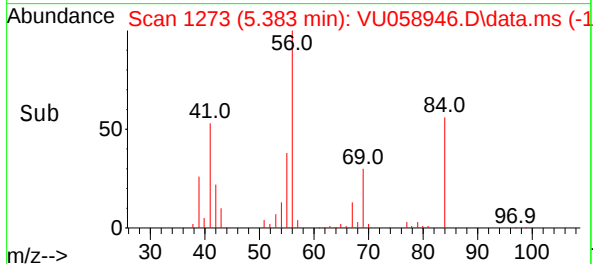
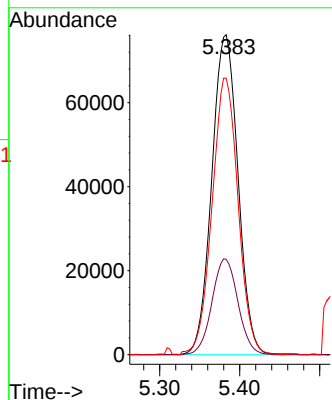
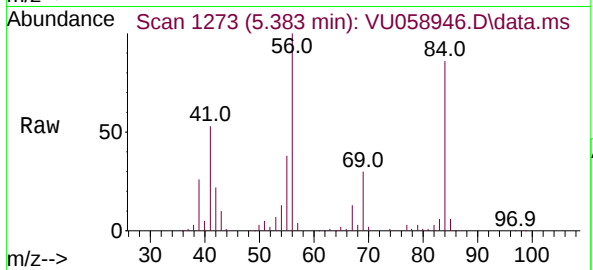
Tgt Ion: 56 Resp: 173590

Ion Ratio Lower Upper

56 100

69 29.6 24.3 36.5

84 85.8 66.7 100.1



#30

1,1,1-Trichloroethane

Concen: 94.879 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

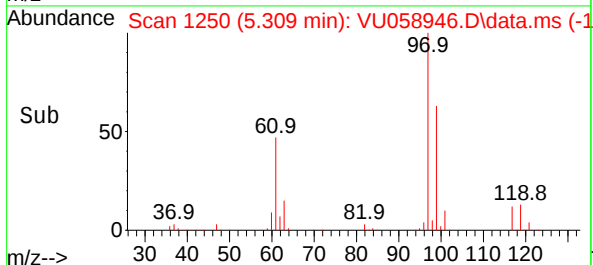
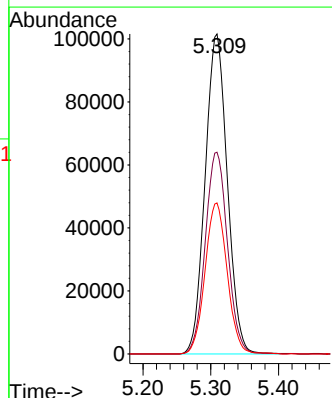
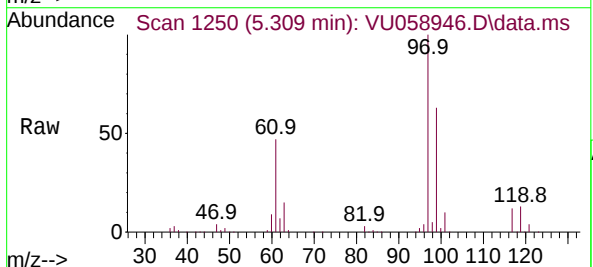
Tgt Ion: 97 Resp: 231154

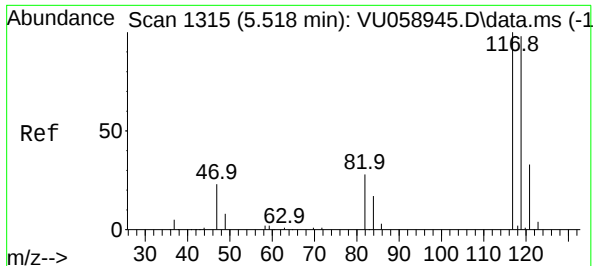
Ion Ratio Lower Upper

97 100

99 63.2 51.8 77.8

61 47.0 38.9 58.3

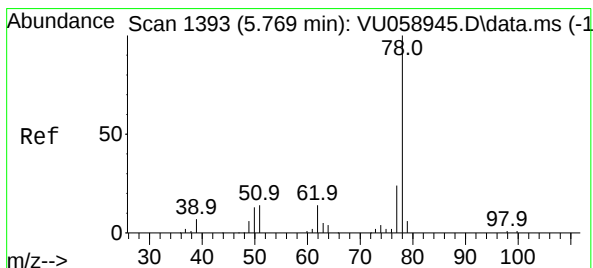
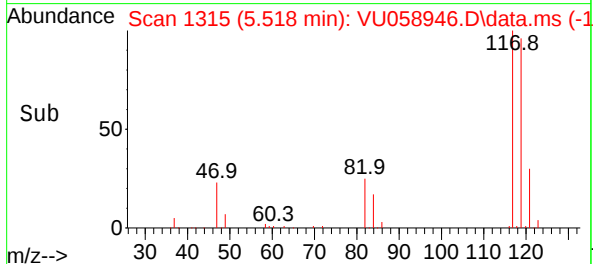
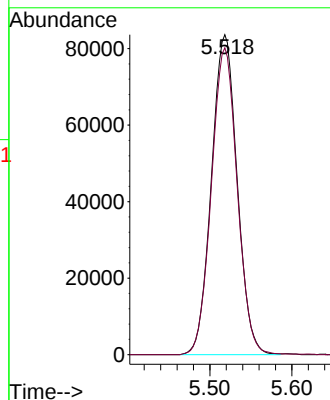
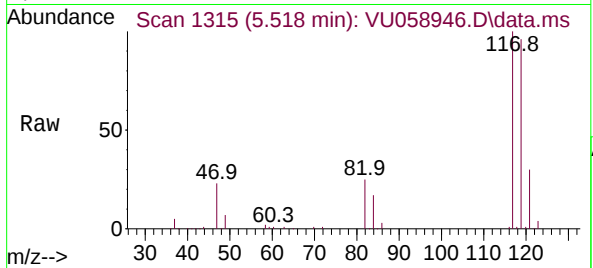




#31
Carbon tetrachloride
Concen: 87.355 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

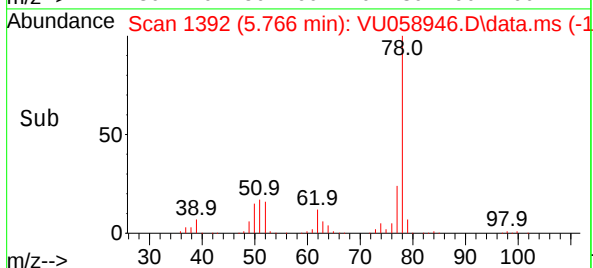
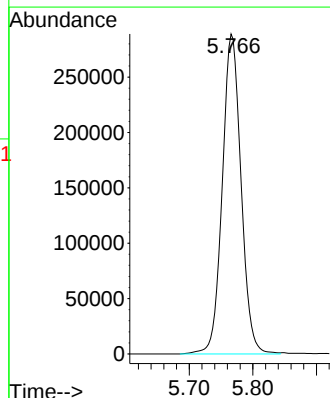
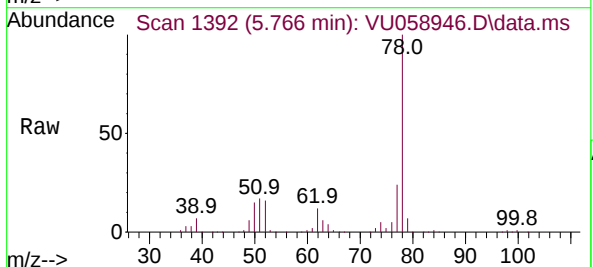
Instrument :
MSVOA_U
ClientSampleId :

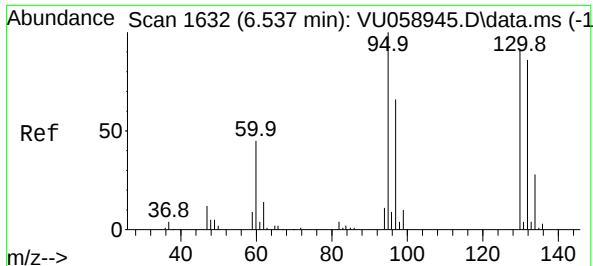
Tgt Ion:117 Resp: 182366
Ion Ratio Lower Upper
117 100
119 96.4 77.4 116.0



#33
Benzene
Concen: 99.420 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

Tgt Ion: 78 Resp: 592769





#34

Trichloroethene

Concen: 94.479 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 151652

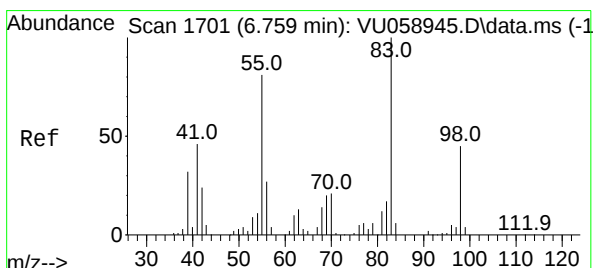
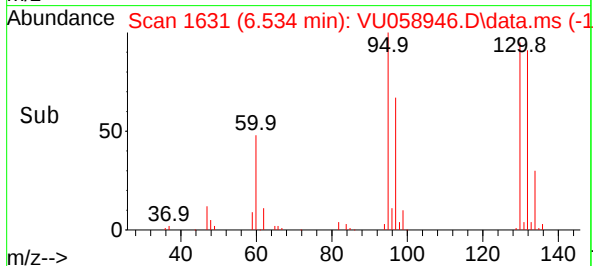
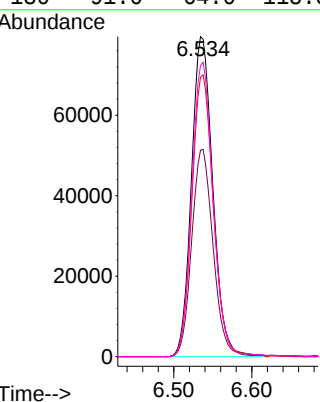
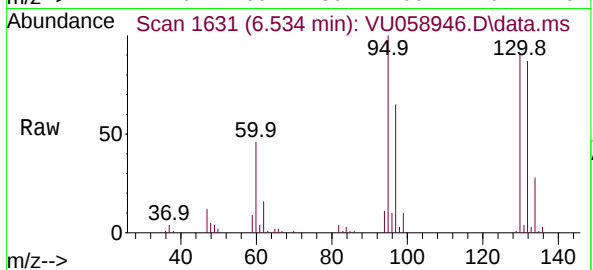
Ion Ratio Lower Upper

95 100

97 64.5 45.9 85.3

132 87.3 60.5 112.5

130 91.0 64.0 118.8



#35

Methylcyclohexane

Concen: 77.208 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

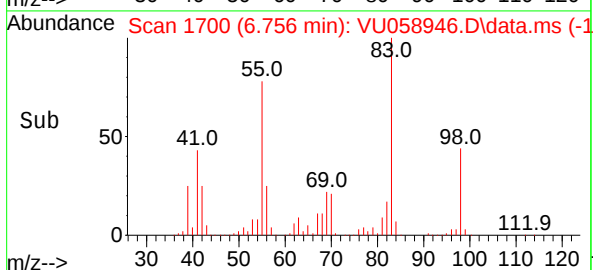
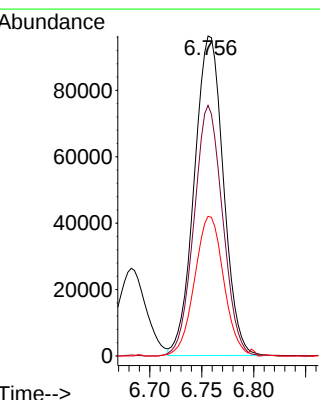
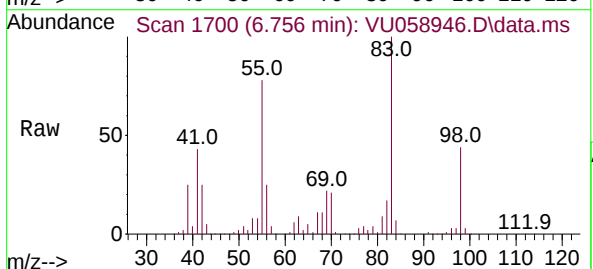
Tgt Ion: 83 Resp: 187534

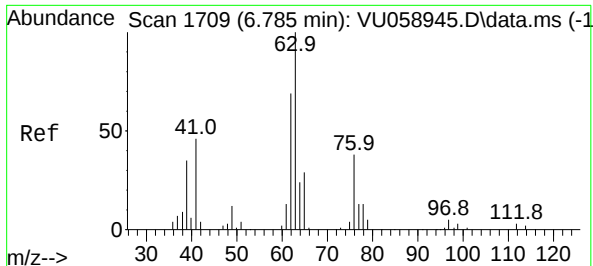
Ion Ratio Lower Upper

83 100

55 77.2 61.5 92.3

98 43.6 36.2 54.2





#37

1,2-Dichloropropane

Concen: 109.060 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

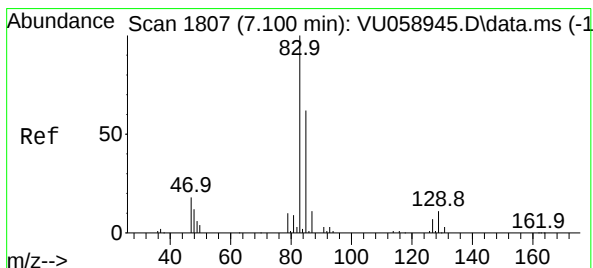
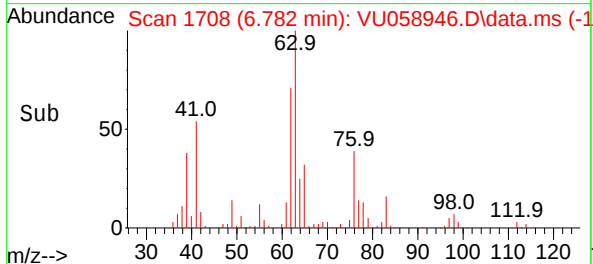
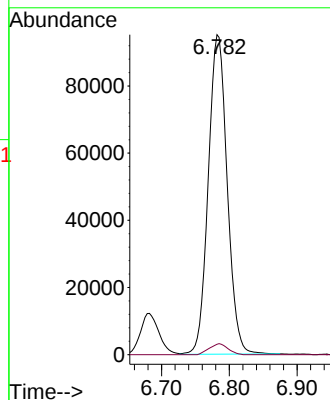
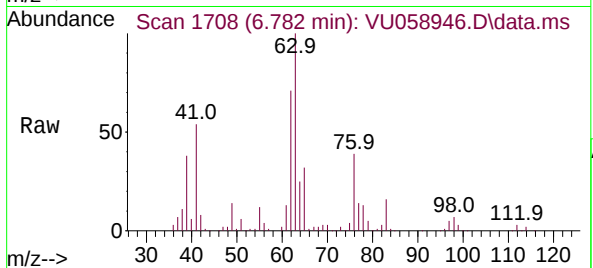
ClientSampleId :

Tgt Ion: 63 Resp: 184572

Ion Ratio Lower Upper

63 100

112 3.4 2.5 3.7



#38

Bromodichloromethane

Concen: 109.155 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.003 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

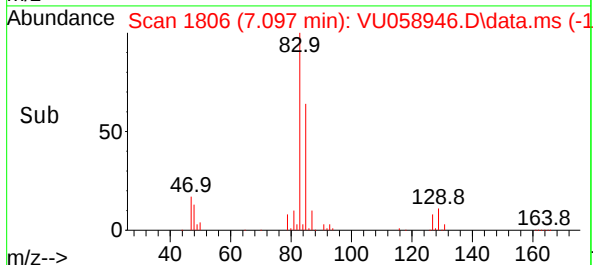
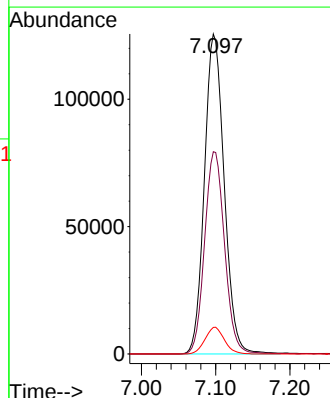
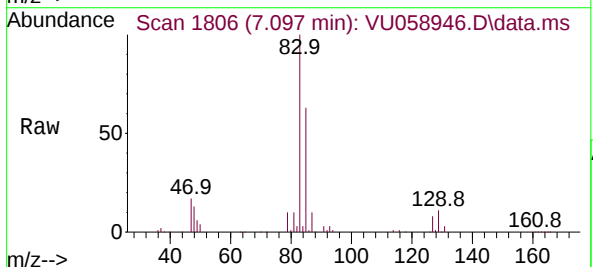
Tgt Ion: 83 Resp: 232528

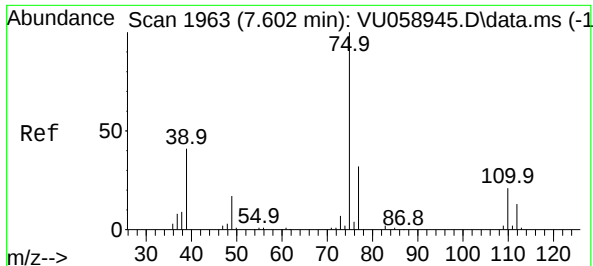
Ion Ratio Lower Upper

83 100

85 63.2 43.5 80.9

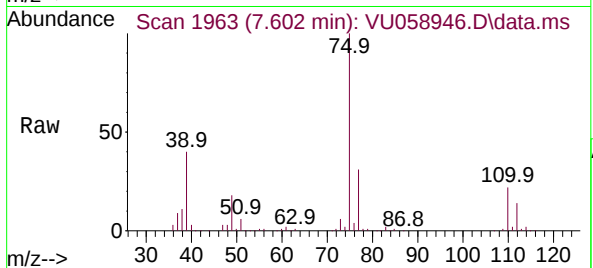
127 8.3 5.8 8.6



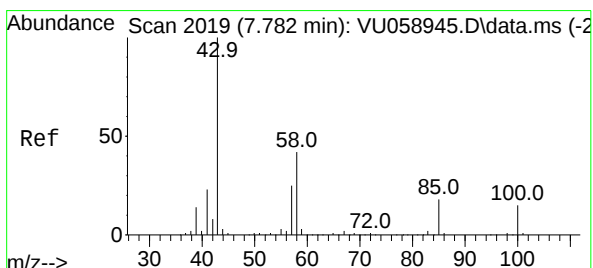
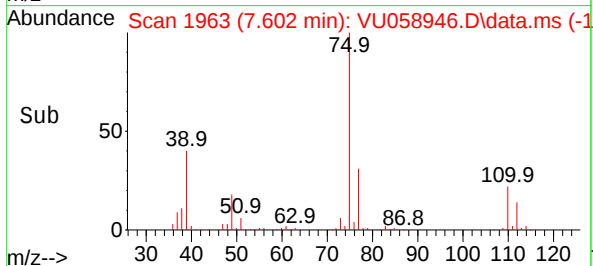
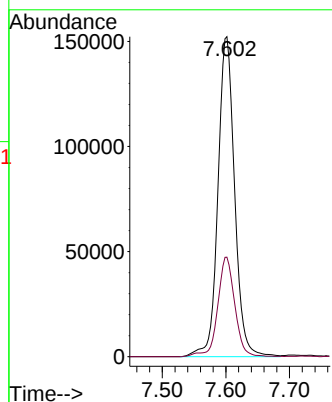


#39
cis-1,3-Dichloropropene
Concen: 104.176 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. -0.000 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

Instrument :
MSVOA_U
ClientSampleId :

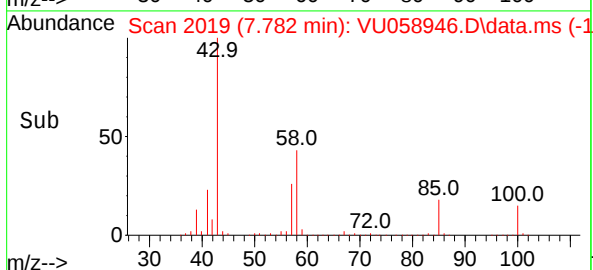
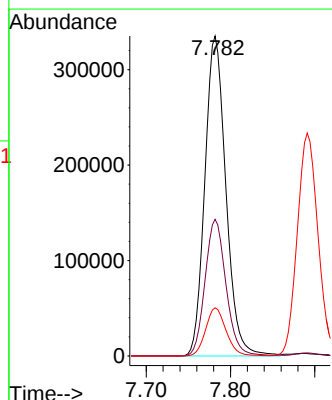
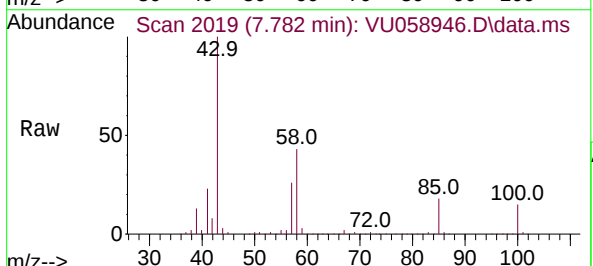


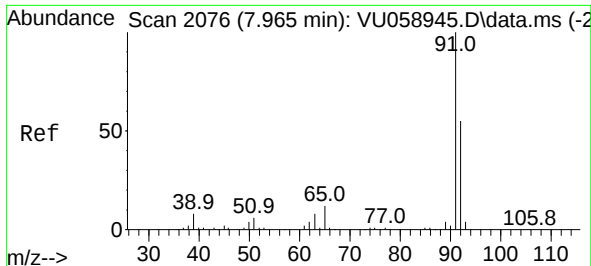
Tgt Ion: 75 Resp: 277289
Ion Ratio Lower Upper
75 100
77 31.1 22.5 41.7



#40
4-Methyl-2-pentanone
Concen: 264.915 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

Tgt Ion: 43 Resp: 583168
Ion Ratio Lower Upper
43 100
58 42.5 33.5 50.3
100 14.7 11.8 17.8





#42

Toluene

Concen: 101.363 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

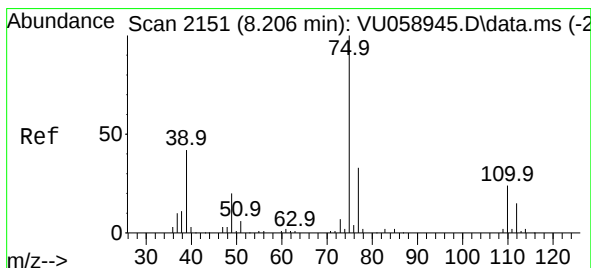
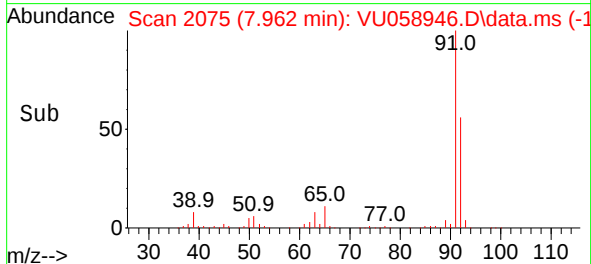
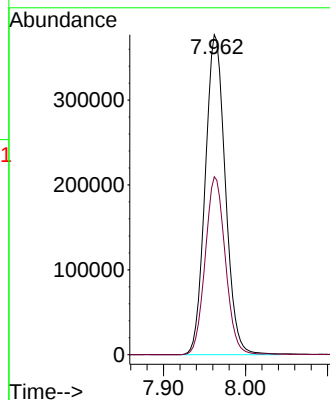
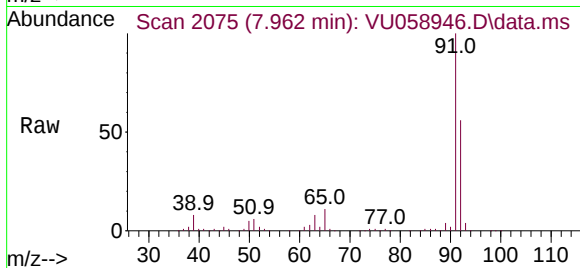
ClientSampleId :

Tgt Ion: 91 Resp: 641624

Ion Ratio Lower Upper

91 100

92 55.6 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 105.828 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU058946.D

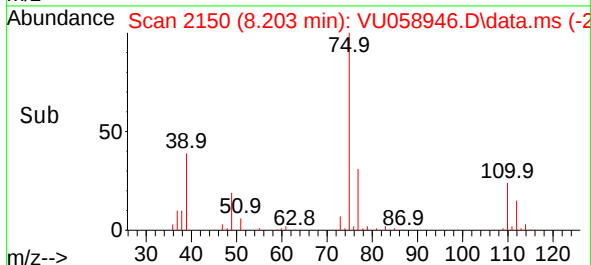
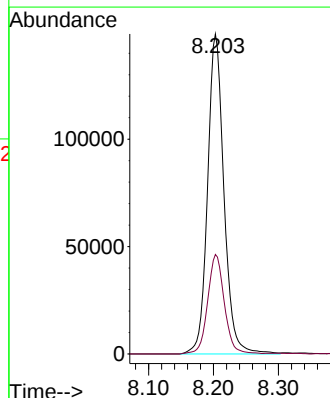
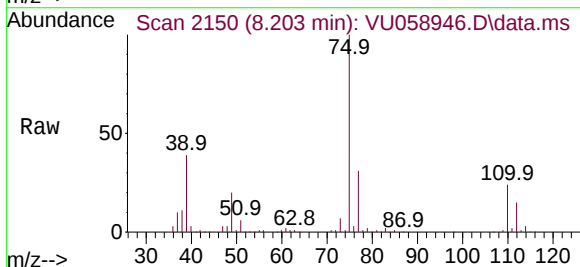
Acq: 23 May 2024 13:07

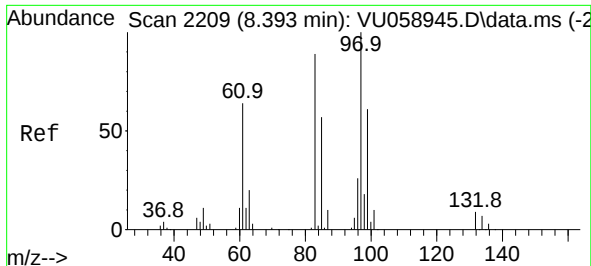
Tgt Ion: 75 Resp: 261238

Ion Ratio Lower Upper

75 100

77 31.1 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 114.507 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

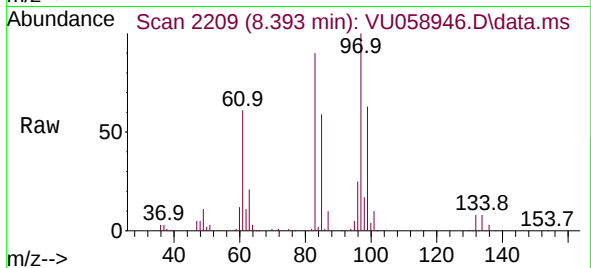
Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 181816

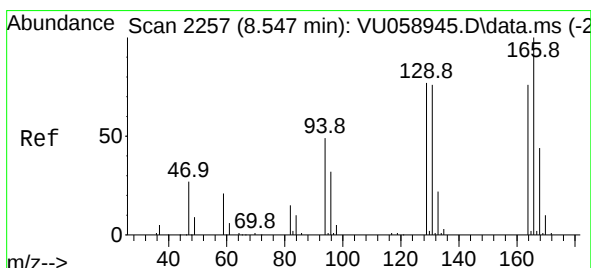
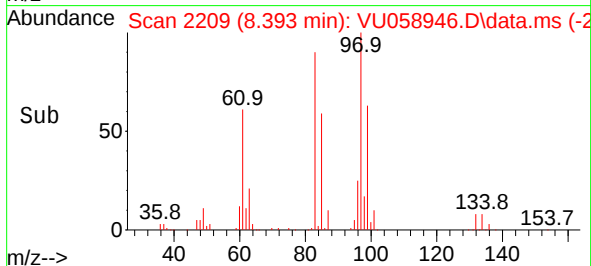
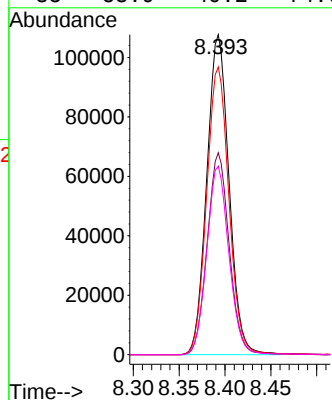
Ion Ratio Lower Upper

97 100

99 63.1 42.6 79.2

83 89.9 62.2 115.6

85 58.9 40.2 74.6



#46

Tetrachloroethene

Concen: 90.755 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Tgt Ion:164 Resp: 99921

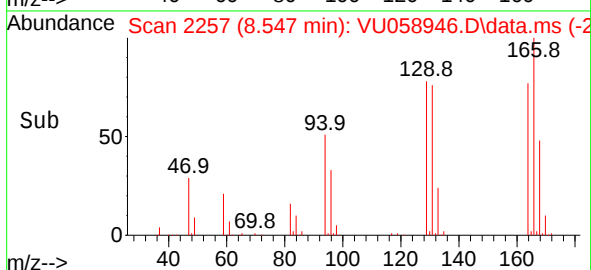
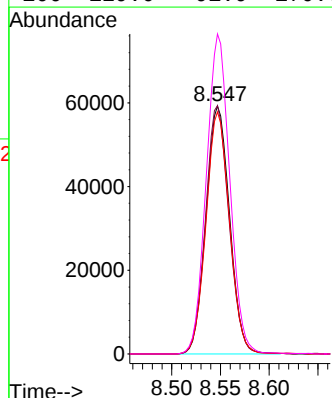
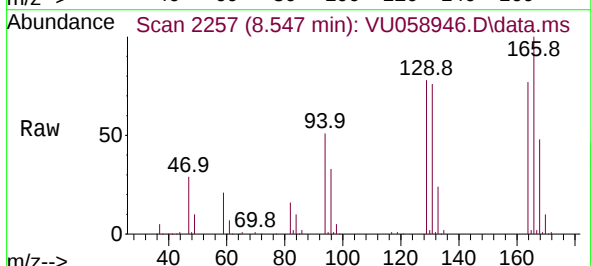
Ion Ratio Lower Upper

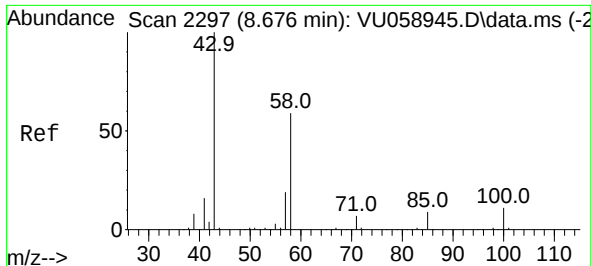
164 100

129 100.1 70.6 131.0

131 97.6 69.2 128.6

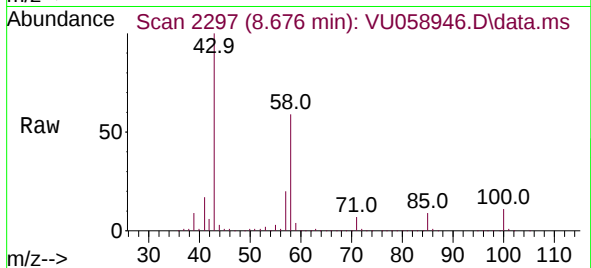
166 129.0 91.9 170.7



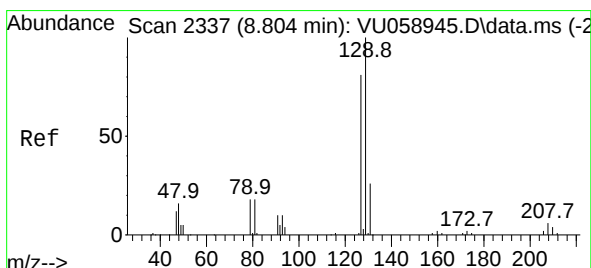
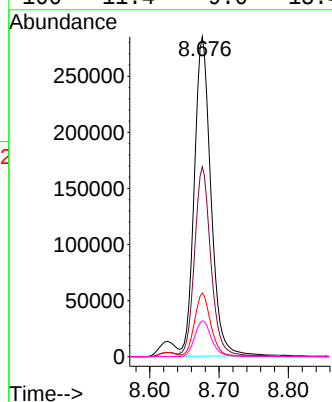
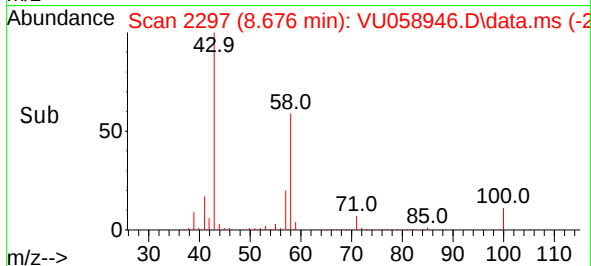


#48
2-Hexanone
Concen: 251.503 ug/L
RT: 8.676 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

Instrument :
MSVOA_U
ClientSampleId :

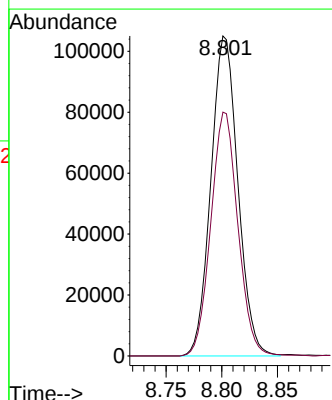
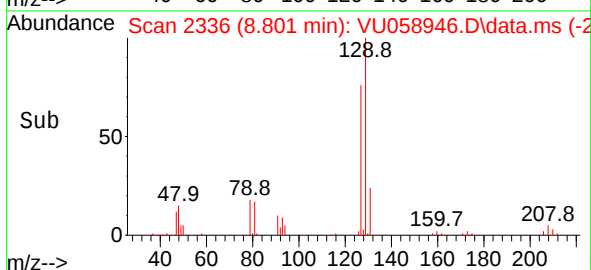
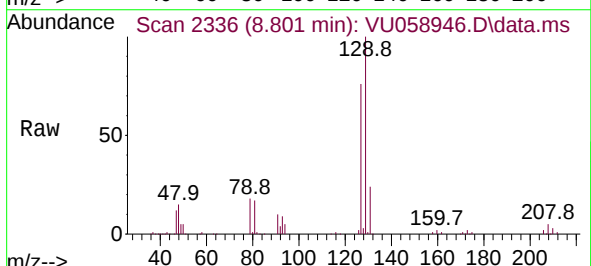


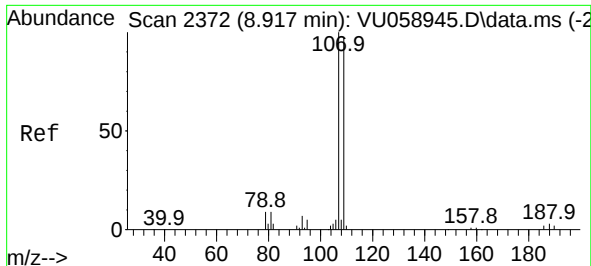
Tgt Ion:	43	Resp:	474837
Ion	Ratio	Lower	Upper
43	100		
58	58.1	47.8	71.6
57	19.4	15.7	23.5
100	11.4	9.0	13.4



#49
Dibromochloromethane
Concen: 112.541 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

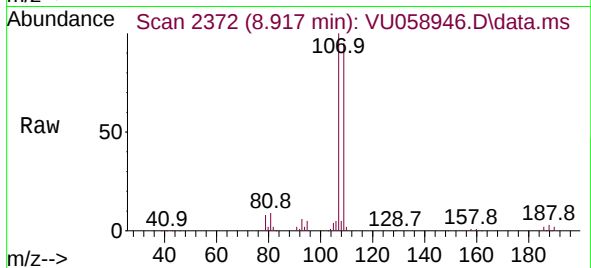
Tgt Ion:	129	Resp:	177287
Ion	Ratio	Lower	Upper
129	100		
127	76.2	56.8	105.4



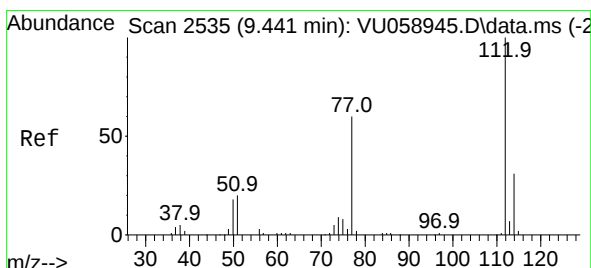
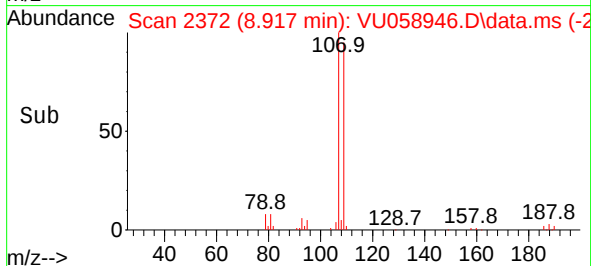
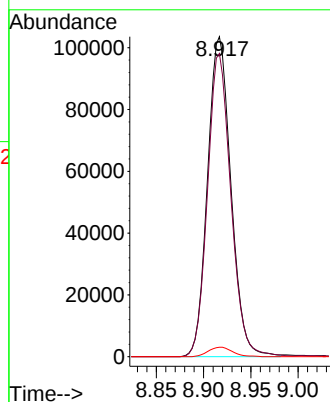


#50
1,2-Dibromoethane
Concen: 107.614 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

Instrument :
MSVOA_U
ClientSampleId :

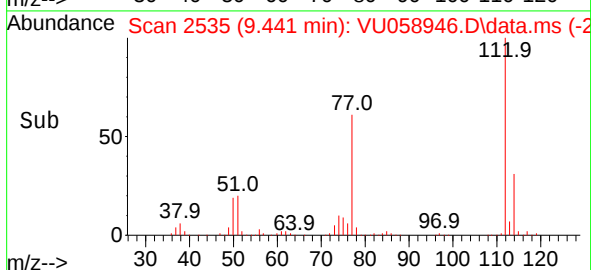
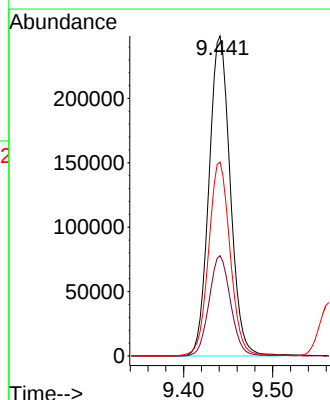
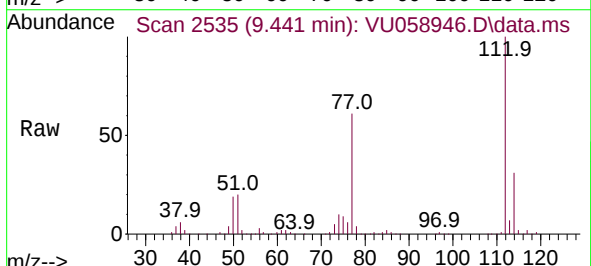


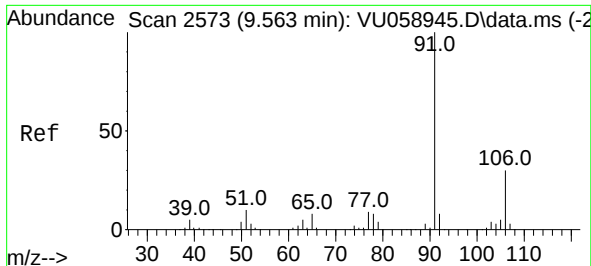
Tgt Ion:107 Resp: 178452
Ion Ratio Lower Upper
107 100
109 94.7 68.0 126.2
188 3.0 2.6 3.8



#51
Chlorobenzene
Concen: 102.103 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

Tgt Ion:112 Resp: 411445
Ion Ratio Lower Upper
112 100
114 31.3 21.8 40.6
77 60.6 48.8 73.2

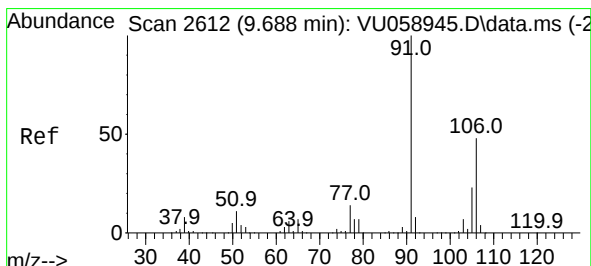
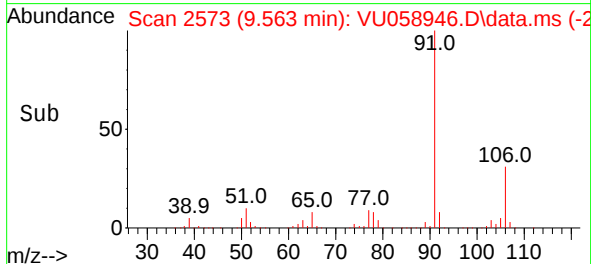
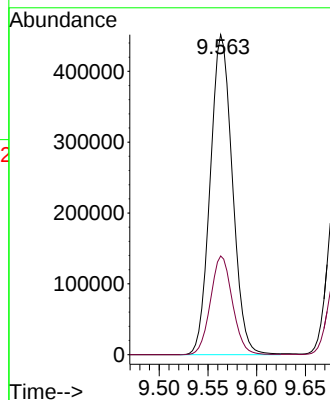
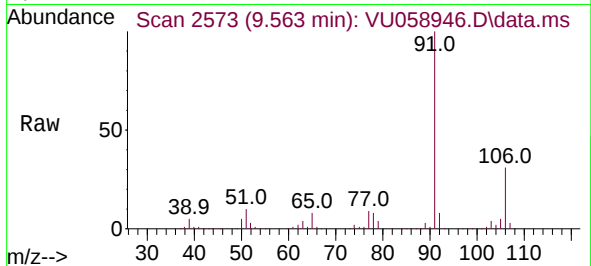




#52
Ethylbenzene
Concen: 100.463 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

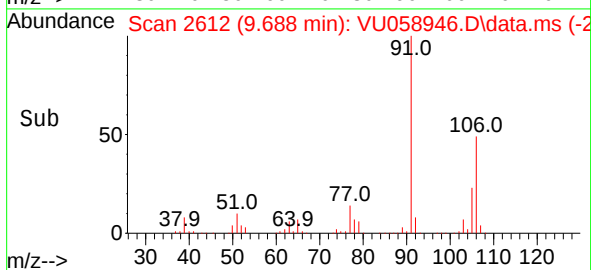
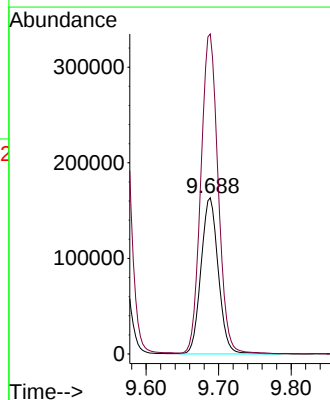
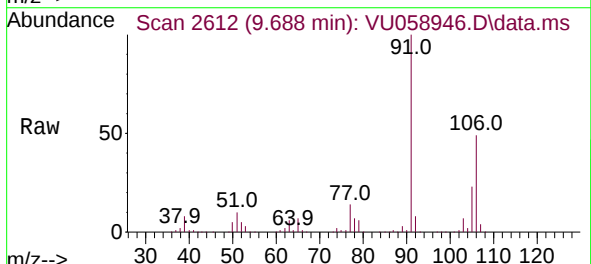
Instrument :
MSVOA_U
ClientSampleId :

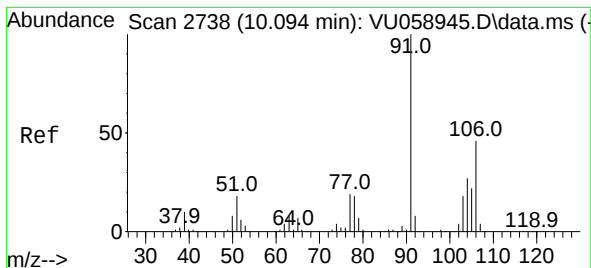
Tgt Ion: 91 Resp: 713779
Ion Ratio Lower Upper
91 100
106 30.8 20.8 38.6



#53
m,p-Xylene
Concen: 104.175 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

Tgt Ion:106 Resp: 270196
Ion Ratio Lower Upper
106 100
91 205.0 145.7 270.7





#54

o-Xylene

Concen: 104.305 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

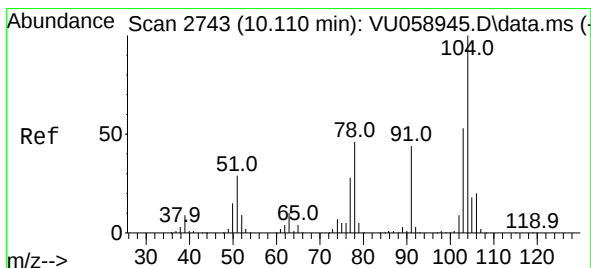
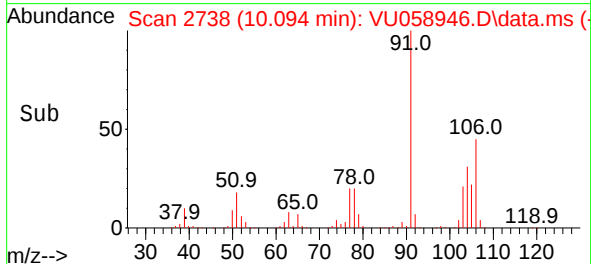
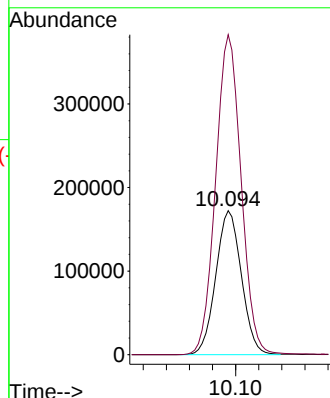
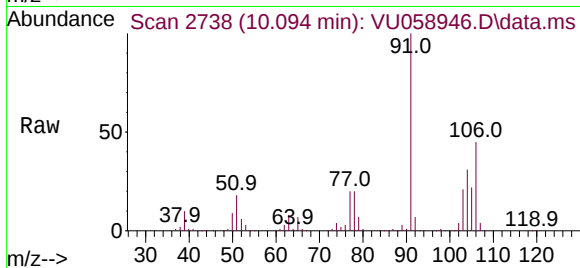
ClientSampleId :

Tgt Ion:106 Resp: 265205

Ion Ratio Lower Upper

106 100

91 222.2 154.0 286.0



#55

Styrene

Concen: 113.146 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.003 min

Lab File: VU058946.D

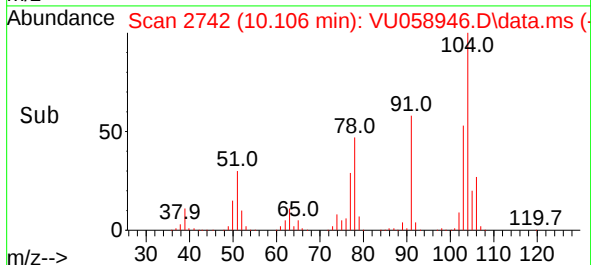
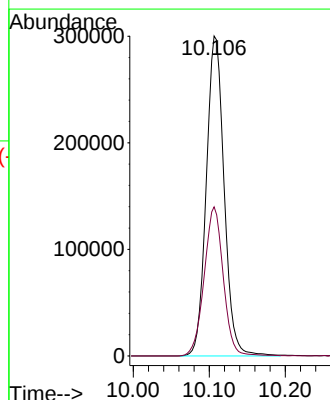
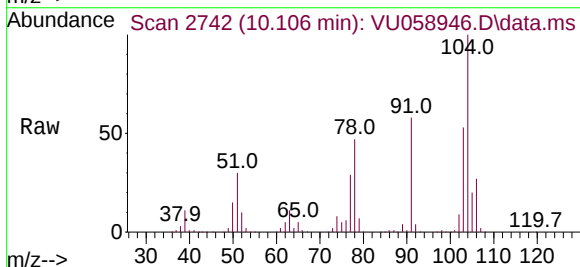
Acq: 23 May 2024 13:07

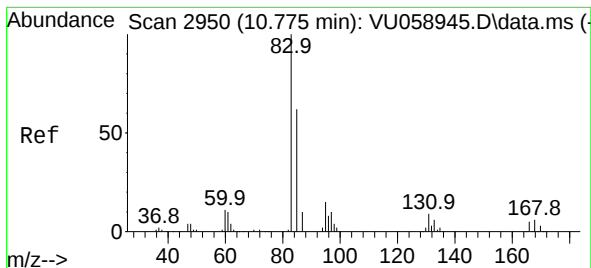
Tgt Ion:104 Resp: 489376

Ion Ratio Lower Upper

104 100

78 46.6 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 127.763 ug/L

RT: 10.772 min Scan# 2950

Delta R.T. -0.003 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

ClientSampleId :

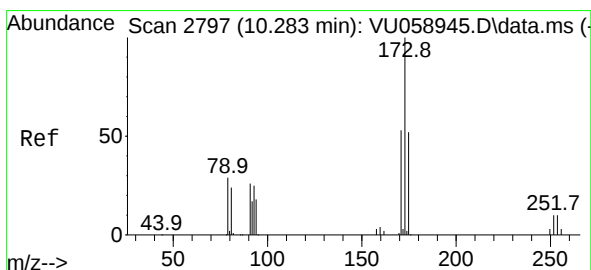
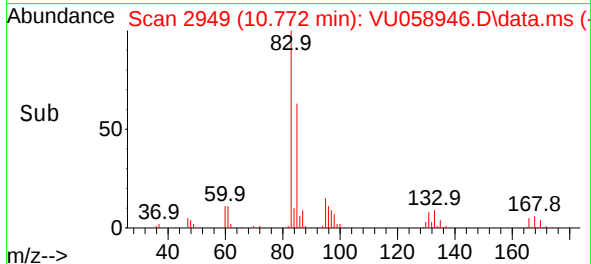
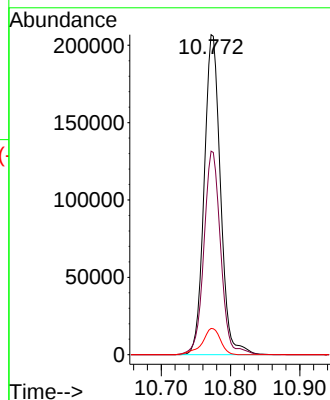
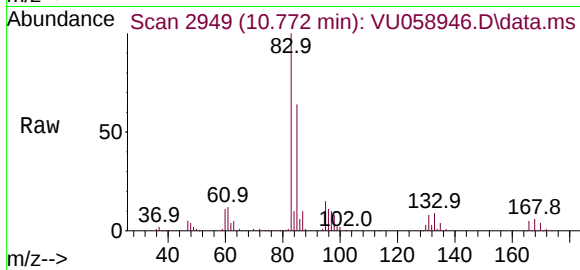
Tgt Ion: 83 Resp: 336951

Ion Ratio Lower Upper

83 100

85 63.6 43.5 80.9

131 8.2 7.1 10.7



#59

Bromoform

Concen: 108.292 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

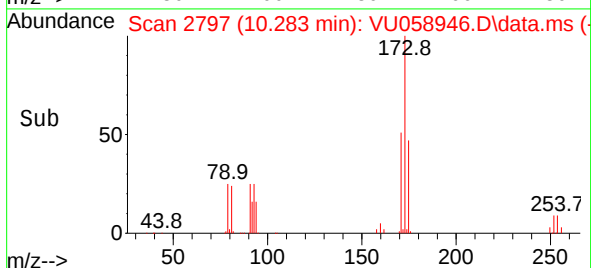
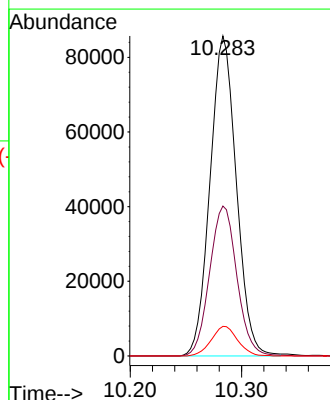
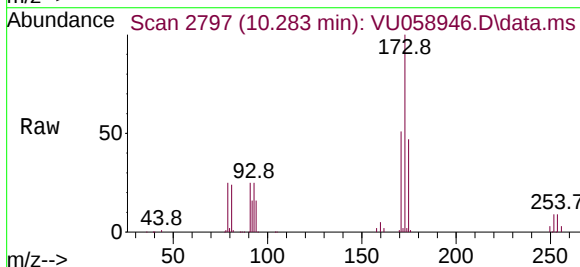
Tgt Ion:173 Resp: 140549

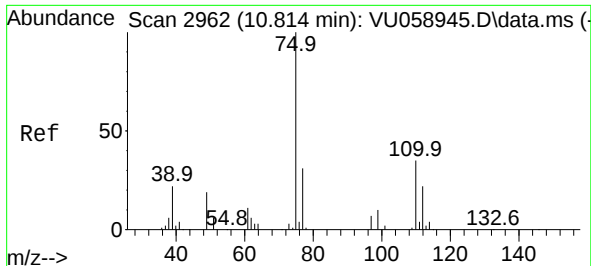
Ion Ratio Lower Upper

173 100

175 48.5 40.6 61.0

254 9.3 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 111.187 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

ClientSampleId :

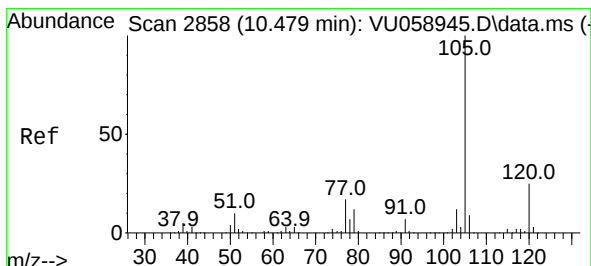
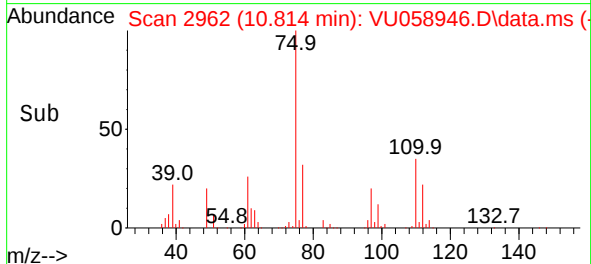
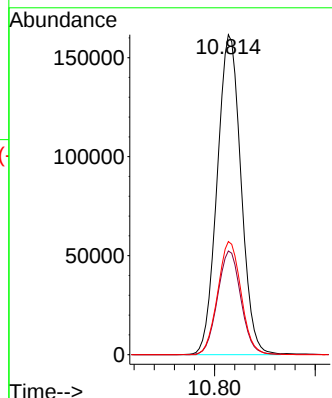
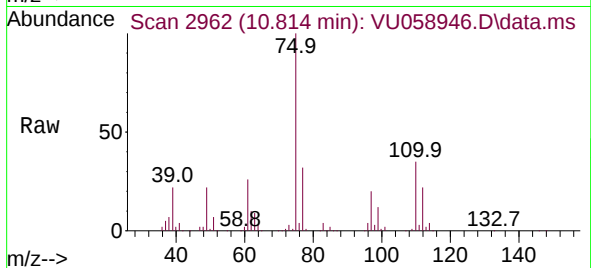
Tgt Ion: 75 Resp: 265361

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

110 34.8 28.3 42.5



#61

Isopropylbenzene

Concen: 93.747 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

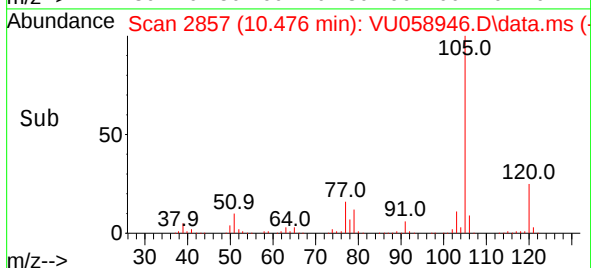
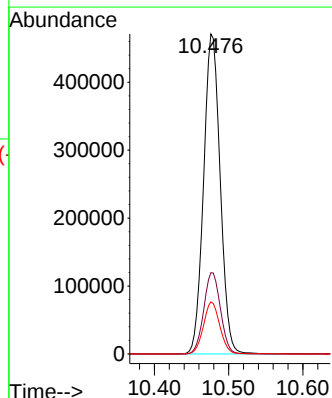
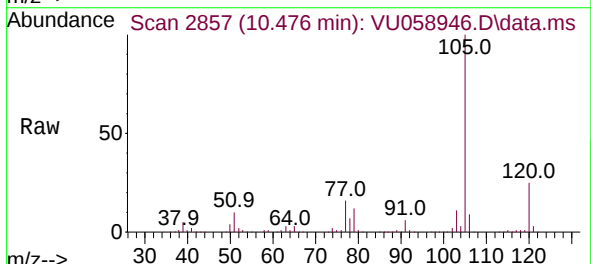
Tgt Ion:105 Resp: 731852

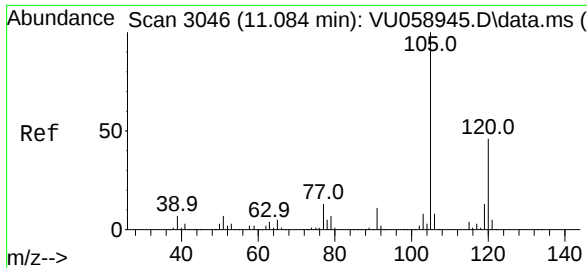
Ion Ratio Lower Upper

105 100

120 25.6 20.0 30.0

77 16.0 13.4 20.0

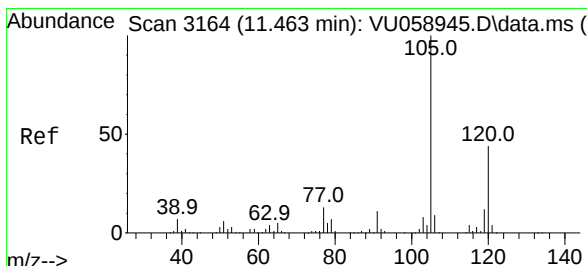
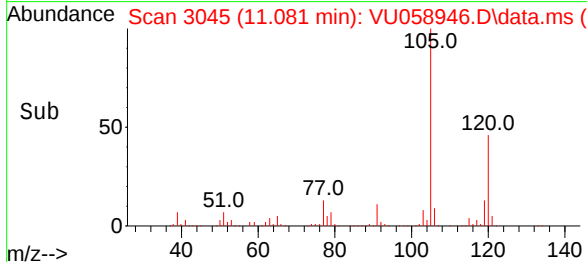
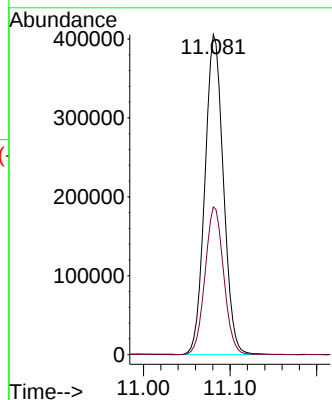
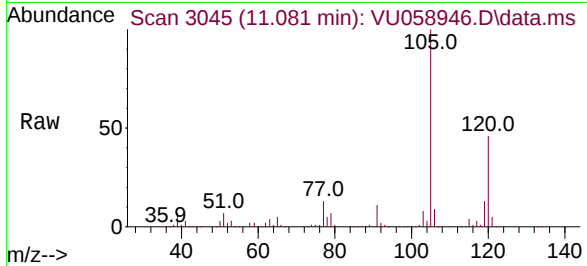




#62
1,3,5-Trimethylbenzene
Concen: 92.805 ug/L
RT: 11.081 min Scan# 3046
Delta R.T. -0.003 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

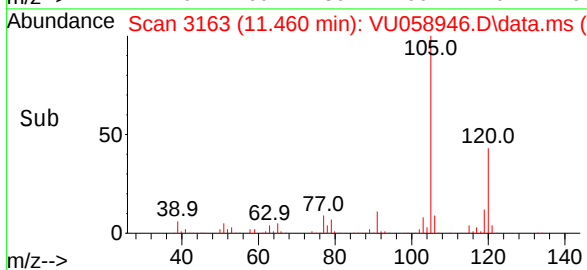
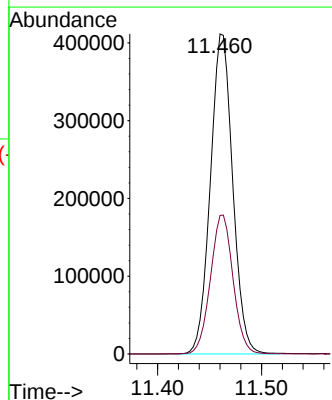
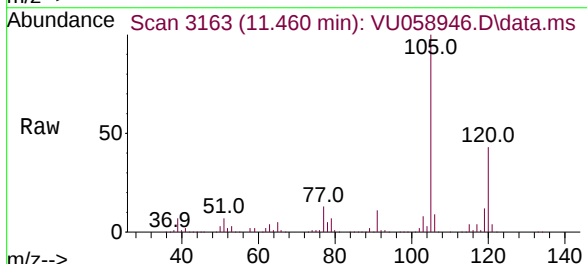
Instrument :
MSVOA_U
ClientSampleId :

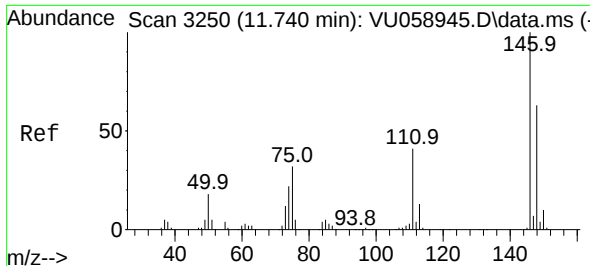
Tgt Ion:105 Resp: 600525
Ion Ratio Lower Upper
105 100
120 46.7 36.9 55.3



#63
1,2,4-Trimethylbenzene
Concen: 94.397 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VU058946.D
Acq: 23 May 2024 13:07

Tgt Ion:105 Resp: 614320
Ion Ratio Lower Upper
105 100
120 44.1 35.3 52.9





#64

1,3-Dichlorobenzene

Concen: 100.229 ug/L

RT: 11.740 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

ClientSampleId :

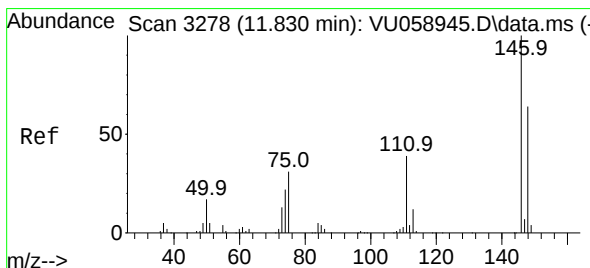
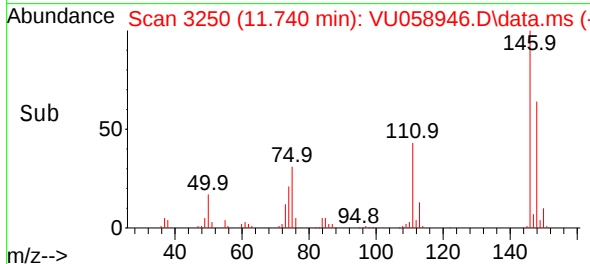
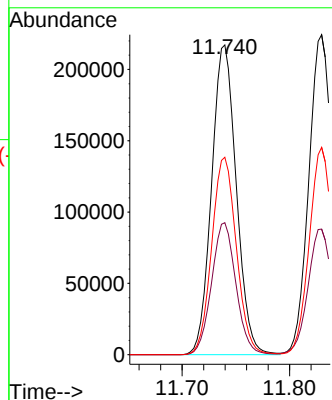
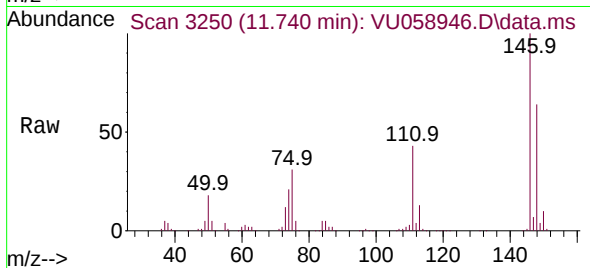
Tgt Ion:146 Resp: 347403

Ion Ratio Lower Upper

146 100

111 42.6 28.6 53.0

148 63.8 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 99.648 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

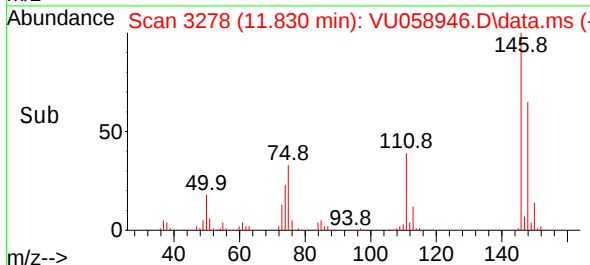
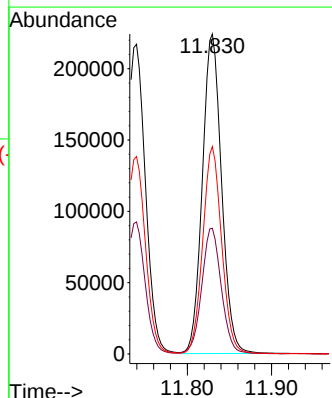
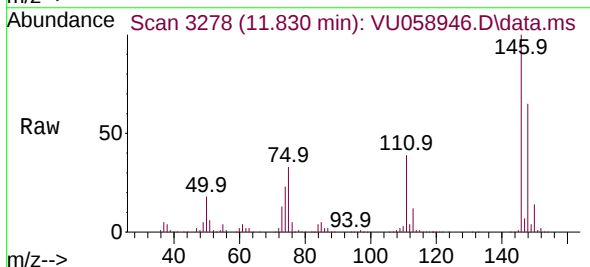
Tgt Ion:146 Resp: 355987

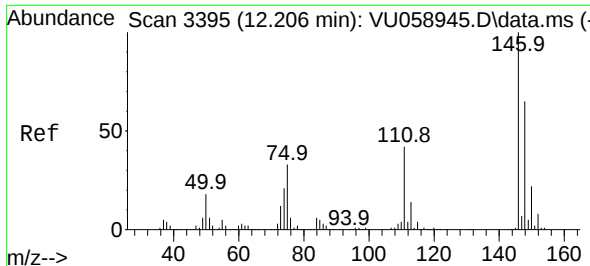
Ion Ratio Lower Upper

146 100

111 39.2 27.3 50.7

148 64.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 101.910 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

ClientSampleId :

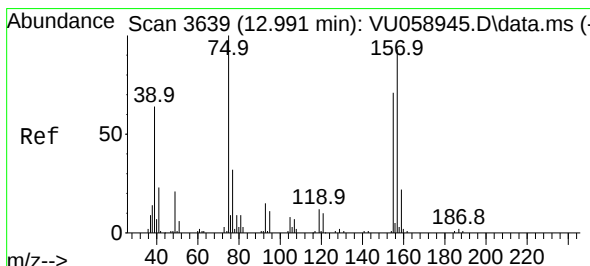
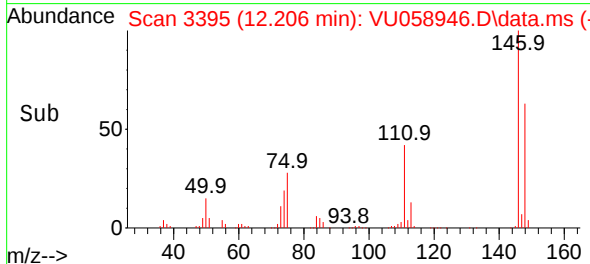
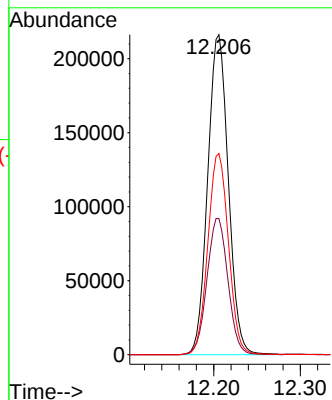
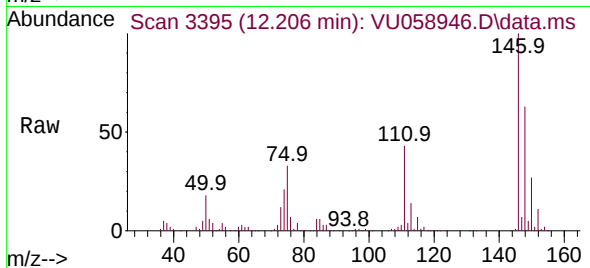
Tgt Ion:146 Resp: 357675

Ion Ratio Lower Upper

146 100

111 42.6 34.1 51.1

148 62.8 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 123.166 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

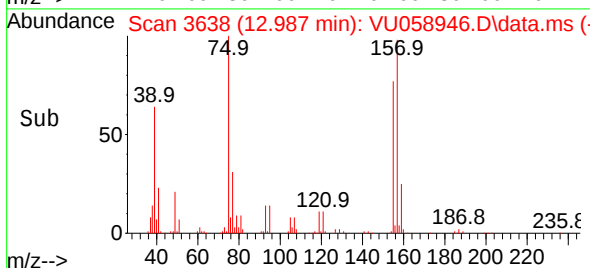
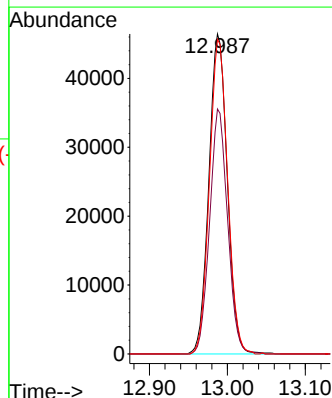
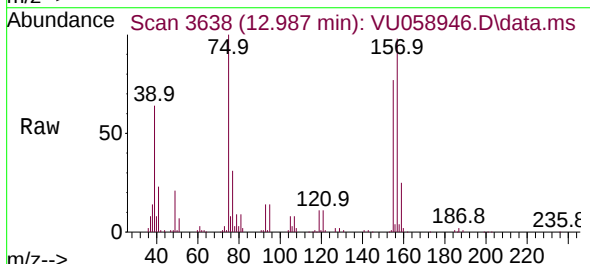
Tgt Ion: 75 Resp: 76080

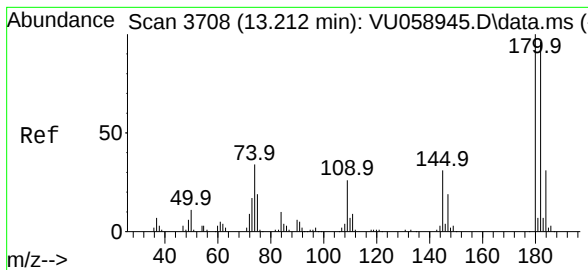
Ion Ratio Lower Upper

75 100

155 80.4 60.2 90.4

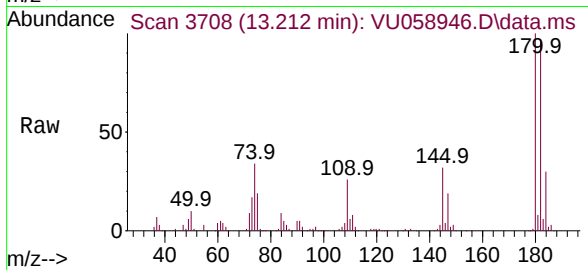
157 102.2 77.2 115.8



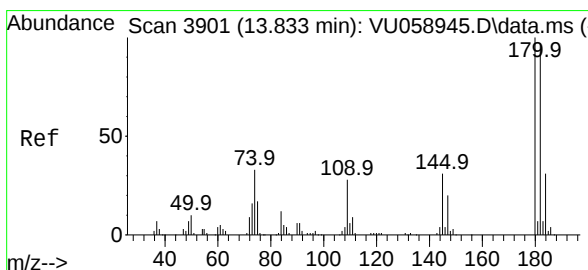
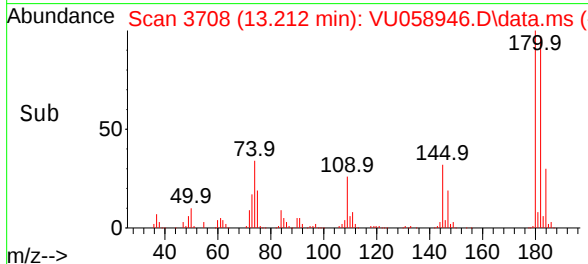
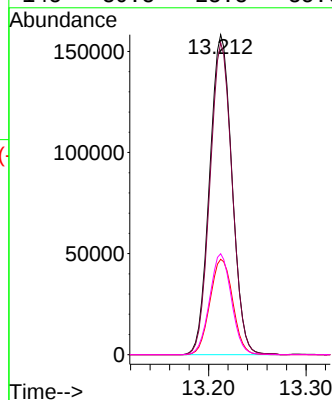


#69
 1,3,5-Trichlorobenzene
 Concen: 103.648 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU058946.D
 Acq: 23 May 2024 13:07

Instrument :
 MSVOA_U
 ClientSampleId :

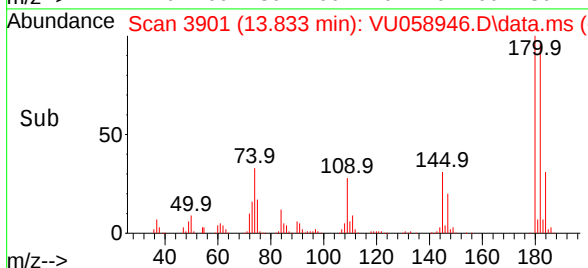
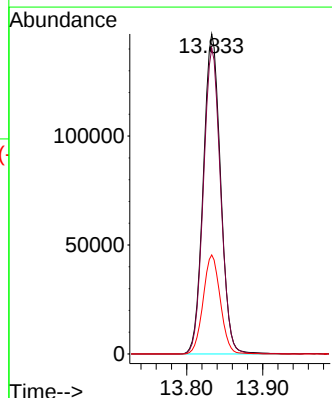
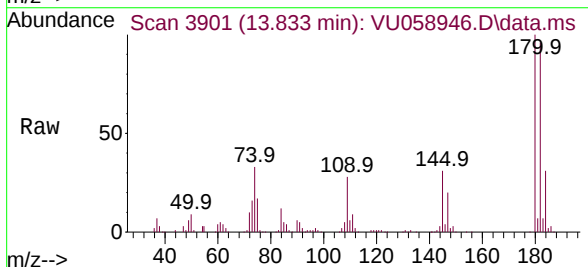


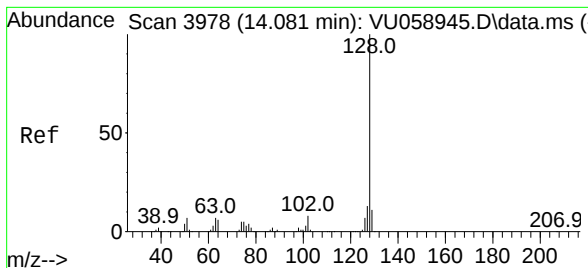
Tgt Ion:180 Resp: 251964
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.7 113.5
 184 30.3 24.3 36.5
 145 30.8 23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 111.337 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.000 min
 Lab File: VU058946.D
 Acq: 23 May 2024 13:07

Tgt Ion:180 Resp: 231695
 Ion Ratio Lower Upper
 180 100
 182 95.0 78.6 117.8
 145 30.7 24.6 37.0





#71

Naphthalene

Concen: 133.558 ug/L

RT: 14.080 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Instrument :

MSVOA_U

ClientSampleId :

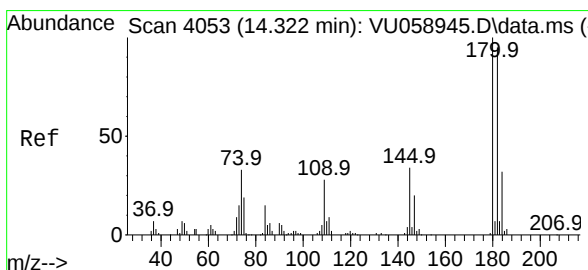
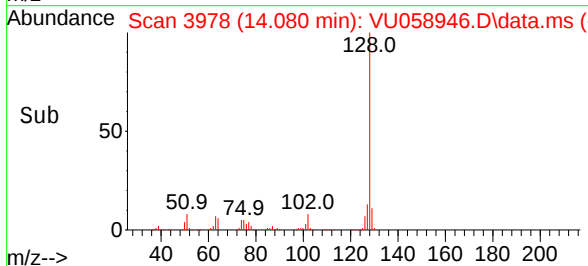
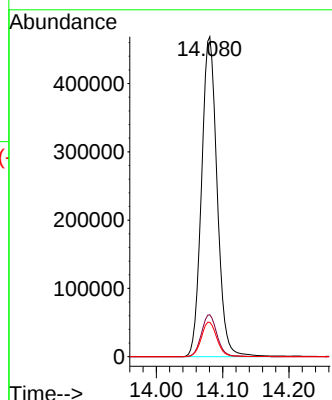
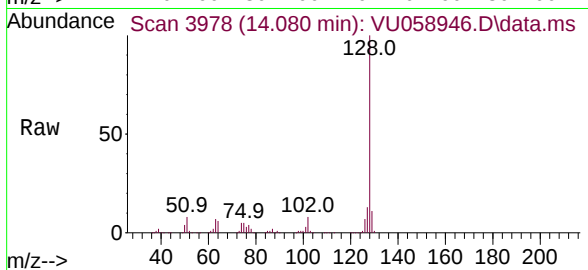
Tgt Ion:128 Resp: 764878

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 118.873 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU058946.D

Acq: 23 May 2024 13:07

Tgt Ion:180 Resp: 238758

Ion Ratio Lower Upper

180 100

182 95.4 76.1 114.1

145 32.9 26.2 39.2

