

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058943.D
 Acq On : 23 May 2024 11:12
 Operator : MD/SY
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 24 06:35:10 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	157240	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	165388	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	82031	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	9138	6.875	ug/L	0.00
7) Chloroethane-d5	1.911	69	6910	6.614	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	13363	5.715	ug/L	0.00
21) 2-Butanone-d5	4.640	46	7377	9.300	ug/L	0.02
24) Chloroform-d	5.058	84	15111	6.445	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.702	65	8866	6.008	ug/L	0.00
32) Benzene-d6	5.721	84	26575	5.163	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	9098	5.582	ug/L	0.00
41) Toluene-d8	7.894	98	22517	4.844	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.181	79	3851	4.923	ug/L	0.00
47) 2-Hexanone-d5	8.637	63	5567	8.263	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	14190	6.468	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	8543	5.361	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	5969	4.586	ug/L	97
3) Chloromethane	1.515	50	6448	5.179	ug/L	93
5) Vinyl chloride	1.602	62	7741	5.817	ug/L	96
6) Bromomethane	1.856	94	4276	5.302	ug/L	84
8) Chloroethane	1.930	64	5150	6.341	ug/L	96
9) Trichlorofluoromethane	2.136	101	10221	5.487	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	7079	6.301	ug/L	99
12) 1,1-Dichloroethene	2.576	96	5467	5.441	ug/L	95
13) Acetone	2.631	43	12363	13.949	ug/L	97
14) Carbon disulfide	2.788	76	10593	3.681	ug/L	96
15) Methyl Acetate	2.956	43	8549	6.924	ug/L #	85
16) Methylene chloride	3.042	84	9891	8.190	ug/L	96
17) trans-1,2-Dichloroethene	3.354	96	5259	5.151	ug/L	85
18) Methyl tert-butyl Ether	3.354	73	19480	5.298	ug/L	99
19) 1,1-Dichloroethane	3.866	63	13647	6.349	ug/L	95
20) cis-1,2-Dichloroethene	4.666	96	6692	5.505	ug/L	87
22) 2-Butanone	4.718	43	9783	9.706	ug/L	97
23) Bromochloromethane	4.975	128	3700	6.147	ug/L	95
25) Chloroform	5.084	83	14407	6.506	ug/L	99
27) 1,2-Dichloroethane	5.792	62	10982	6.067	ug/L	97
29) Cyclohexane	5.380	56	6737	3.404	ug/L	96
30) 1,1,1-Trichloroethane	5.312	97	10588	5.098	ug/L	98
31) Carbon tetrachloride	5.518	117	8660	4.866	ug/L	95
33) Benzene	5.772	78	25560	5.029	ug/L	100
34) Trichloroethene	6.537	95	7020	5.130	ug/L	93
35) Methylcyclohexane	6.756	83	7728	3.732	ug/L	95
37) 1,2-Dichloropropane	6.785	63	8956	6.208	ug/L #	93
38) Bromodichloromethane	7.100	83	10380	5.716	ug/L #	89
39) cis-1,3-Dichloropropene	7.605	75	10222	4.505	ug/L	96
40) 4-Methyl-2-pentanone	7.788	43	21124	11.256	ug/L	97
42) Toluene	7.965	91	26120	4.840	ug/L	92
44) trans-1,3-Dichloropropene	8.209	75	9943	4.725	ug/L	91

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 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

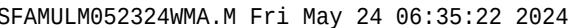
Instrument :
 MSVOA_U
 ClientSampleId :

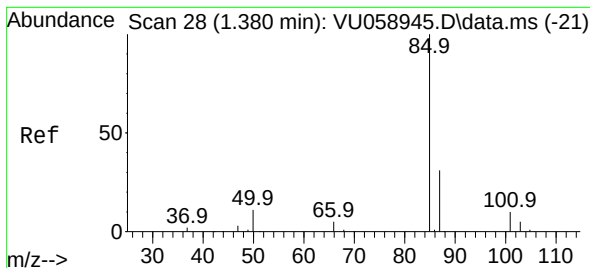
Quant Time: May 24 06:35:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:34:37 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.396	97	8789	6.493	ug/L	98
46) Tetrachloroethene	8.550	164	4713	5.021	ug/L	92
48) 2-Hexanone	8.685	43	16068	9.983	ug/L	98
49) Dibromochloromethane	8.804	129	8030	5.979	ug/L	96
50) 1,2-Dibromoethane	8.920	107	7909	5.595	ug/L	97
51) Chlorobenzene	9.444	112	18052	5.255	ug/L	91
52) Ethylbenzene	9.566	91	26719	4.411	ug/L	98
53) m,p-Xylene	9.692	106	8982	4.062	ug/L	95
54) o-Xylene	10.094	106	9143	4.218	ug/L	78
55) Styrene	10.113	104	14035	3.806	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	14884	6.620	ug/L #	95
59) Bromoform	10.290	173	5705	5.938	ug/L	95
60) 1,2,3-Trichloropropane	10.817	75	11573	6.551	ug/L	97
61) Isopropylbenzene	10.479	105	24364	4.216	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	17925	3.742	ug/L	93
63) 1,2,4-Trimethylbenzene	11.467	105	17765	3.688	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	15069	5.873	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	14805	5.599	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	15020	5.781	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	2651	5.798	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.216	180	9729	5.407	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	7555	4.905	ug/L #	91
71) Naphthalene	14.087	128	17289	4.078	ug/L	95
72) 1,2,3-Trichlorobenzene	14.328	180	7688	5.171	ug/L	92

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

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#2

Dichlorodifluoromethane

Concen: 4.586 ug/L

RT: 1.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

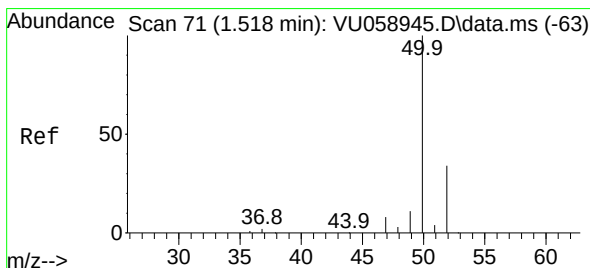
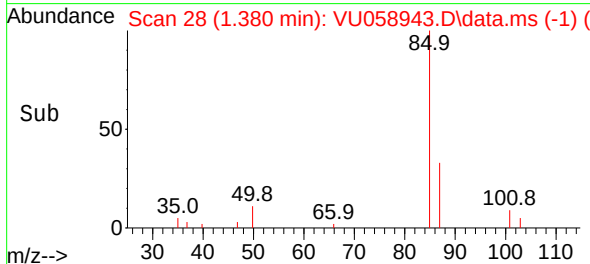
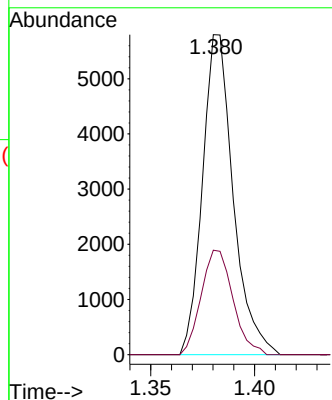
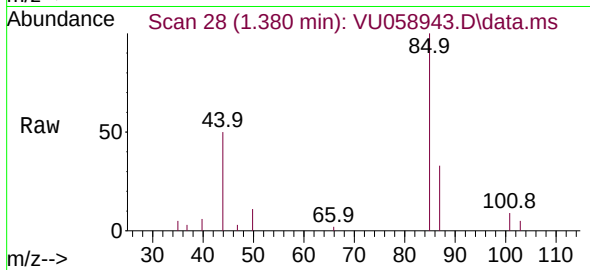
ClientSampleId :

Tgt Ion: 85 Resp: 5969

Ion Ratio Lower Upper

85 100

87 33.7 25.7 38.5



#3

Chloromethane

Concen: 5.179 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU058943.D

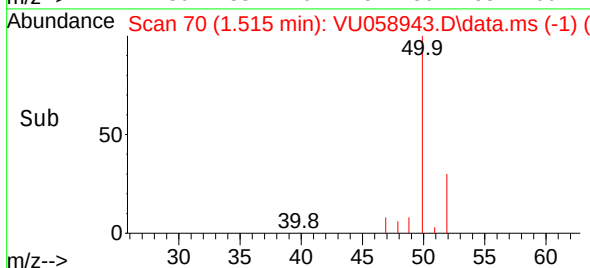
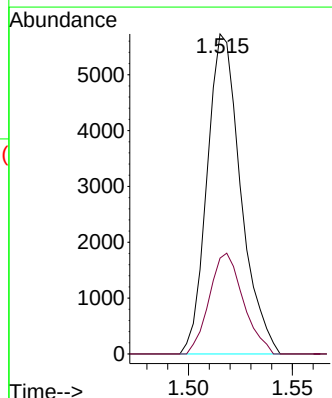
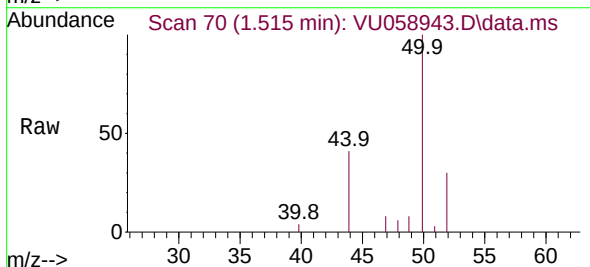
Acq: 23 May 2024 11:12

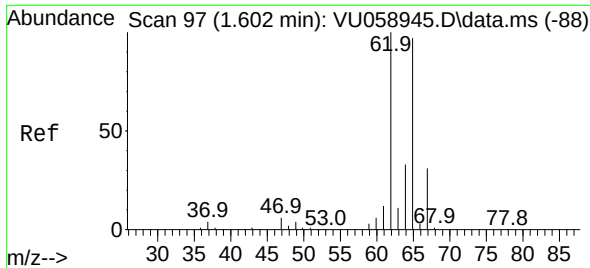
Tgt Ion: 50 Resp: 6448

Ion Ratio Lower Upper

50 100

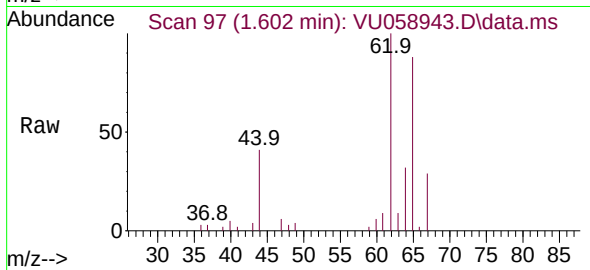
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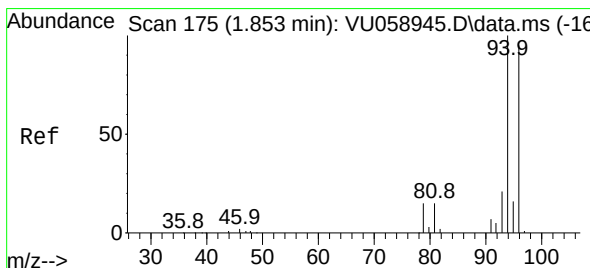
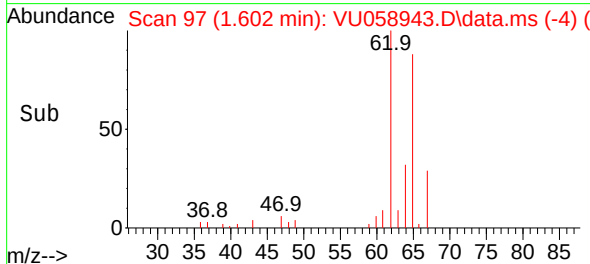
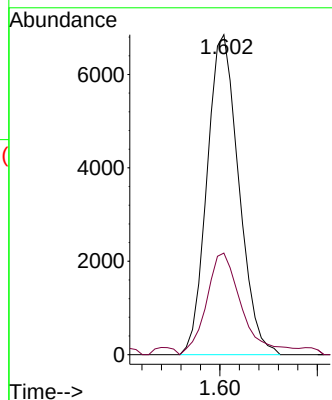


#5
 Vinyl chloride
 Concen: 5.817 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU058943.D
 Acq: 23 May 2024 11:12

Instrument :
 MSVOA_U
 ClientSampleId :

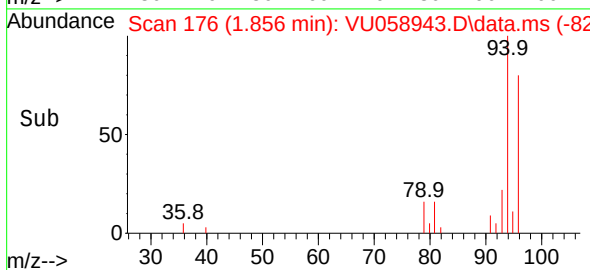
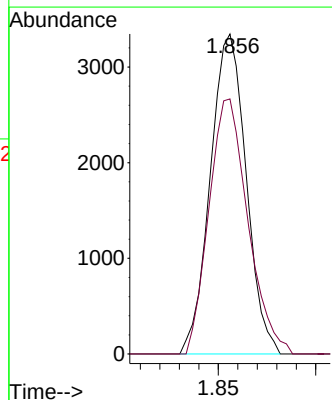
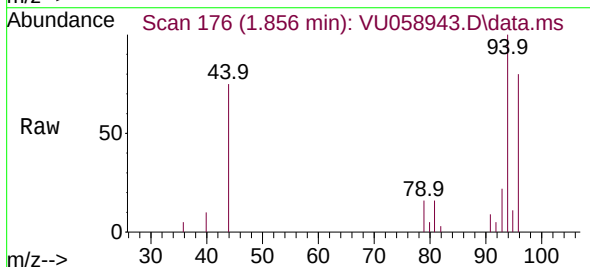


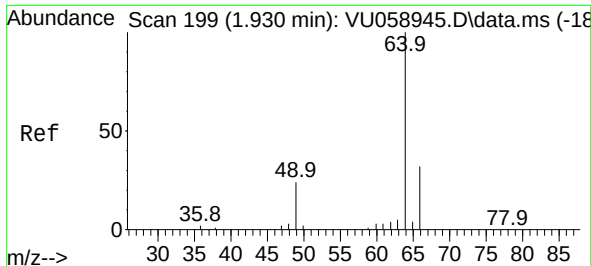
Tgt Ion: 62 Resp: 7741
 Ion Ratio Lower Upper
 62 100
 64 31.7 23.7 43.9



#6
 Bromomethane
 Concen: 5.302 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.003 min
 Lab File: VU058943.D
 Acq: 23 May 2024 11:12

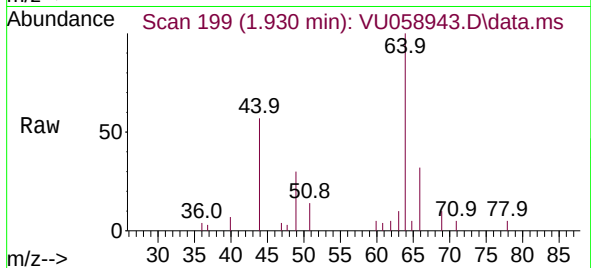
Tgt Ion: 94 Resp: 4276
 Ion Ratio Lower Upper
 94 100
 96 79.7 66.6 123.6



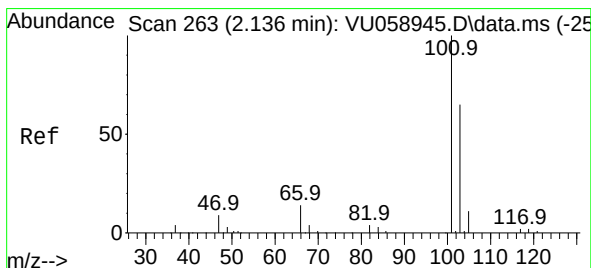
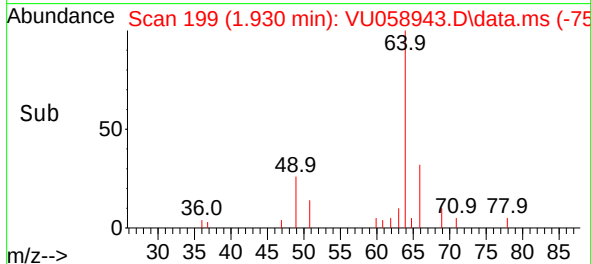
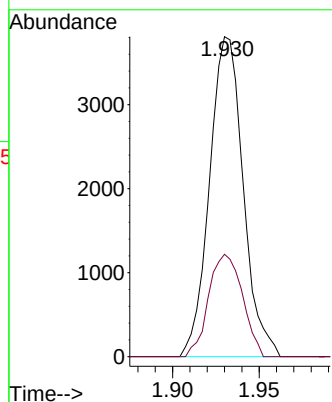


#8
Chloroethane
Concen: 6.341 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Instrument :
MSVOA_U
ClientSampleId :

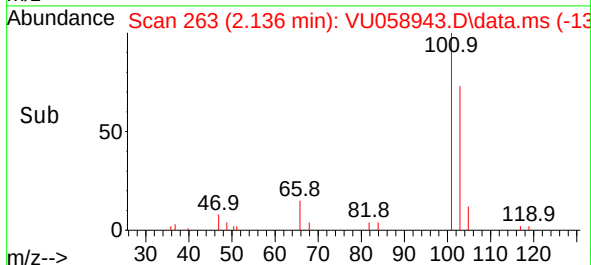
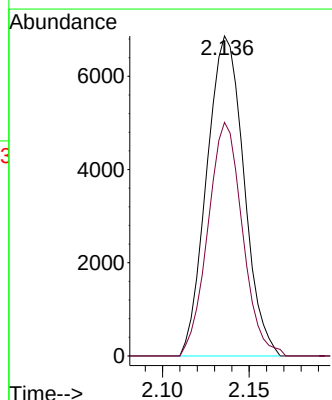
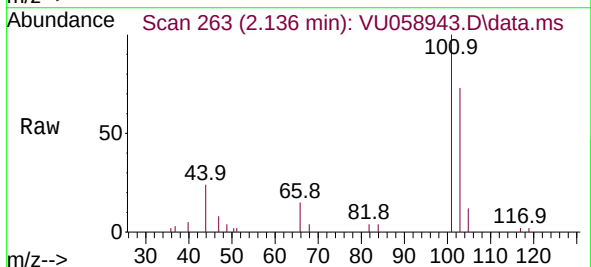


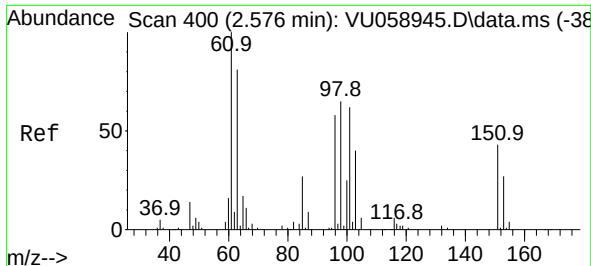
Tgt Ion: 64 Resp: 5150
Ion Ratio Lower Upper
64 100
66 30.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.487 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Tgt Ion:101 Resp: 10221
Ion Ratio Lower Upper
101 100
103 68.0 51.6 77.4

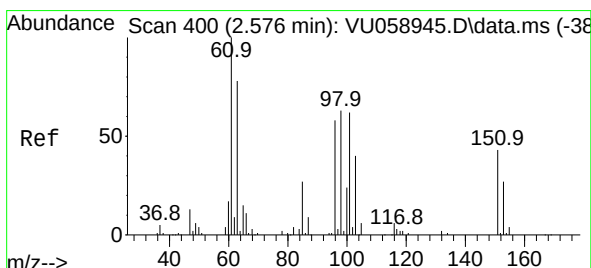
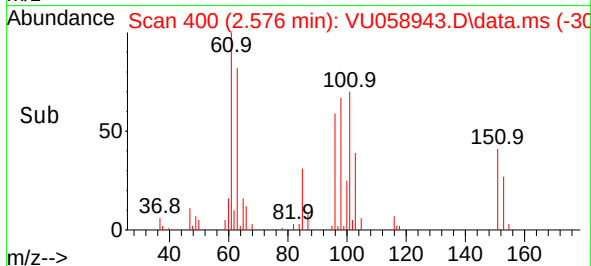
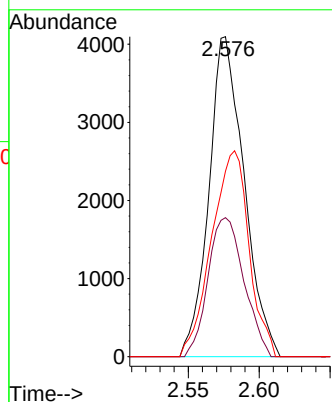
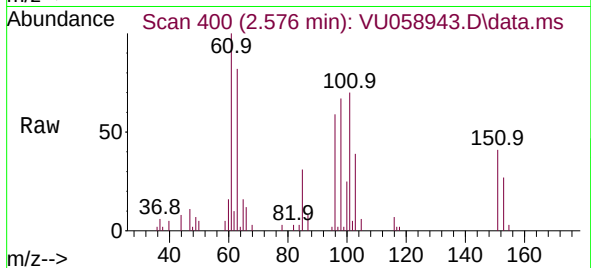




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 6.301 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU058943.D
 Acq: 23 May 2024 11:12

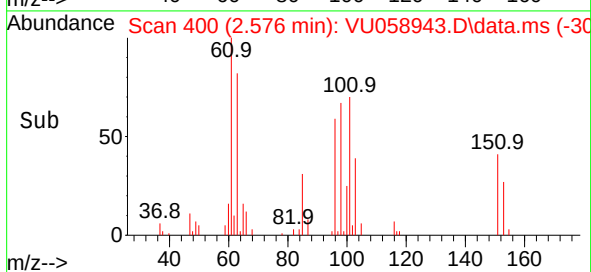
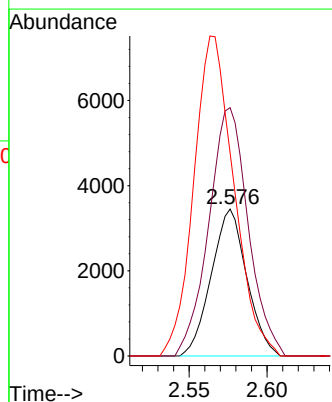
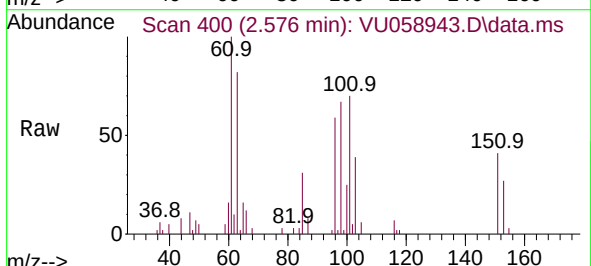
Instrument :
 MSVOA_U
 ClientSampleId :

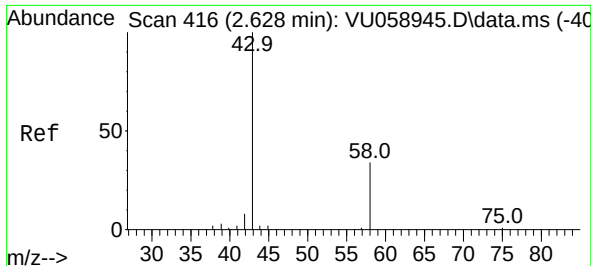
Tgt Ion: 101 Resp: 7079
 Ion Ratio Lower Upper
 101 100
 85 44.4 34.9 52.3
 151 68.4 54.5 81.7



#12
 1,1-Dichloroethene
 Concen: 5.441 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU058943.D
 Acq: 23 May 2024 11:12

Tgt Ion: 96 Resp: 5467
 Ion Ratio Lower Upper
 96 100
 61 169.0 122.2 227.0
 63 138.2 102.8 190.8





#13

Acetone

Concen: 13.949 ug/L

RT: 2.631 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

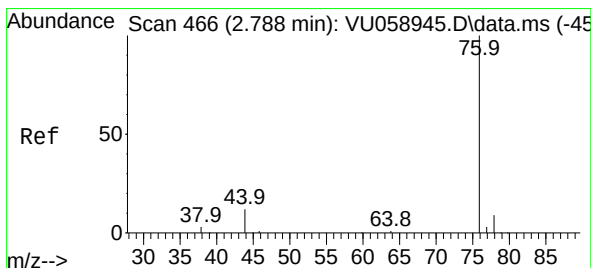
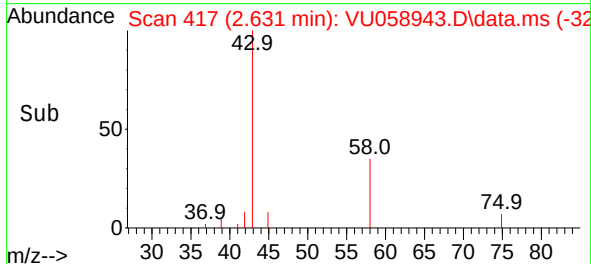
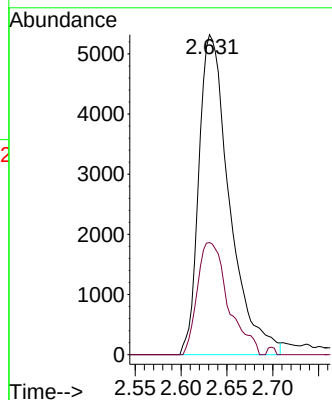
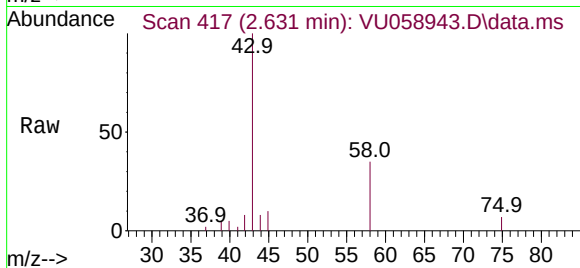
ClientSampleId :

Tgt Ion: 43 Resp: 12363

Ion Ratio Lower Upper

43 100

58 35.3 0.0 67.2



#14

Carbon disulfide

Concen: 3.681 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU058943.D

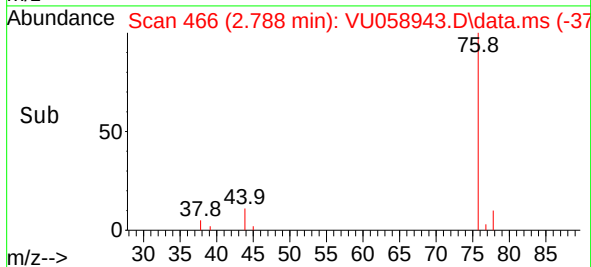
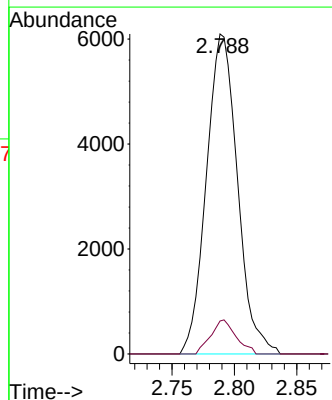
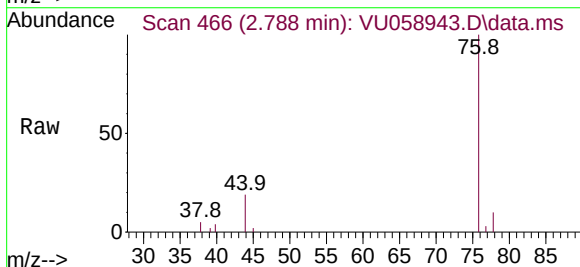
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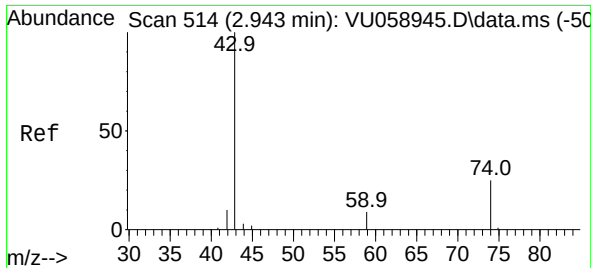
Tgt Ion: 76 Resp: 10593

Ion Ratio Lower Upper

76 100

78 10.3 7.1 10.7





#15

Methyl Acetate

Concen: 6.924 ug/L

RT: 2.956 min Scan# 514

Delta R.T. 0.013 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

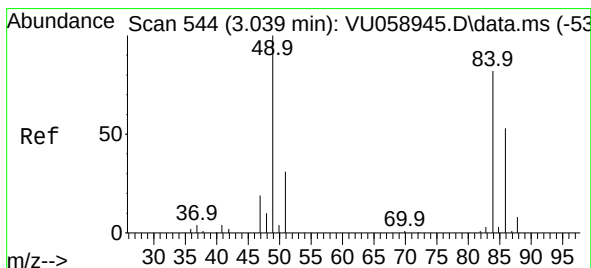
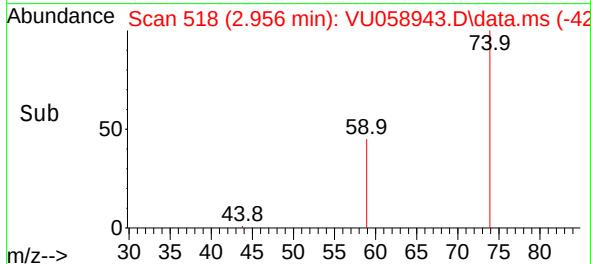
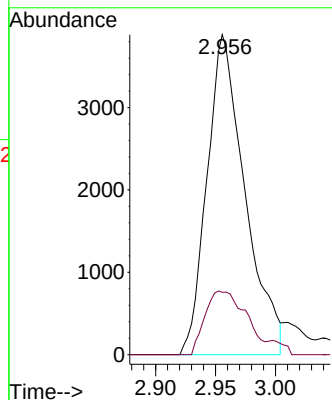
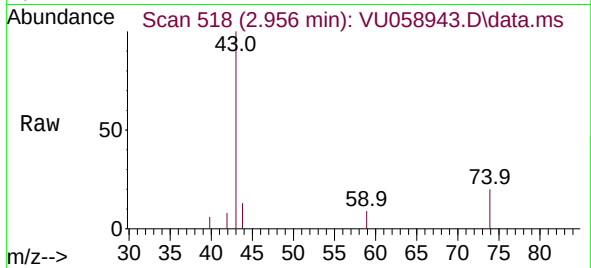
ClientSampleId :

Tgt Ion: 43 Resp: 8549

Ion Ratio Lower Upper

43 100

74 17.1 19.8 29.8#



#16

Methylene chloride

Concen: 8.190 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

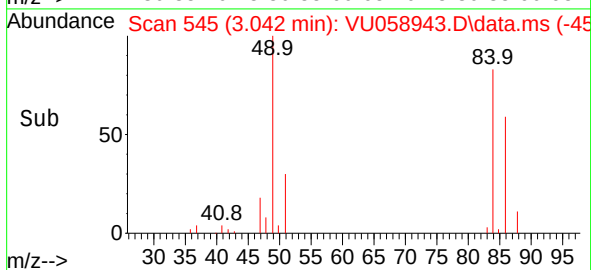
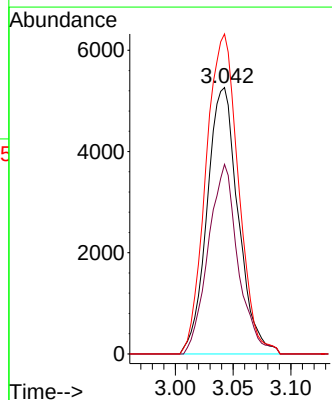
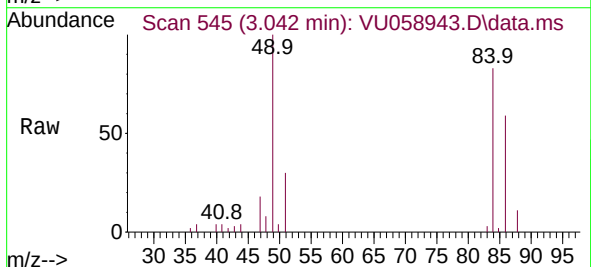
Tgt Ion: 84 Resp: 9891

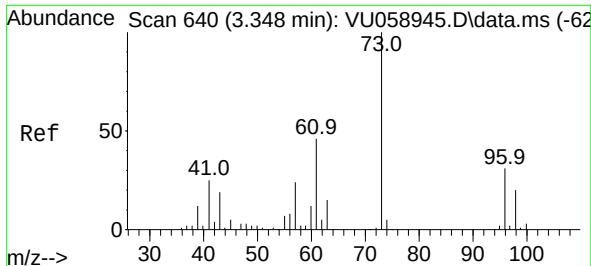
Ion Ratio Lower Upper

84 100

86 71.2 44.9 83.5

49 120.1 85.4 158.6





#17

trans-1,2-Dichloroethene

Concen: 5.151 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.006 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

ClientSampleId :

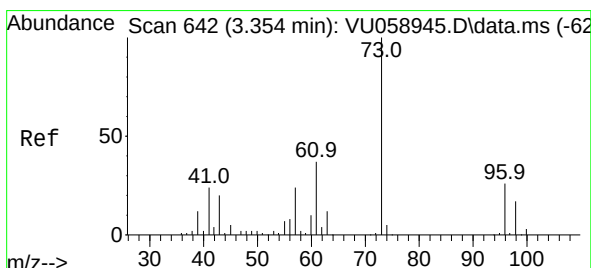
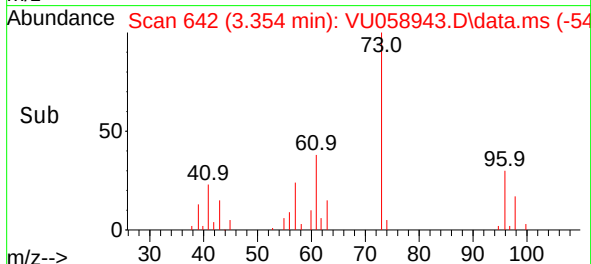
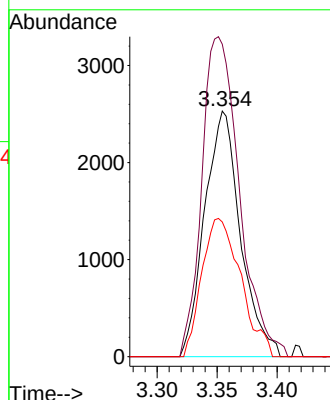
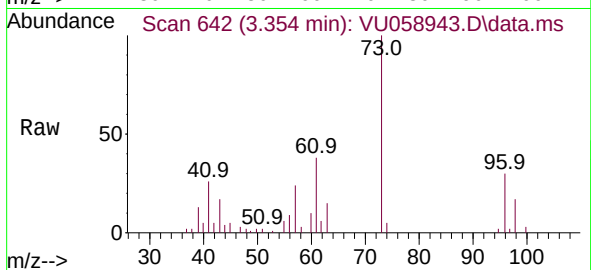
Tgt Ion: 96 Resp: 5259

Ion Ratio Lower Upper

96 100

61 127.2 103.5 192.1

98 54.8 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 5.298 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.000 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

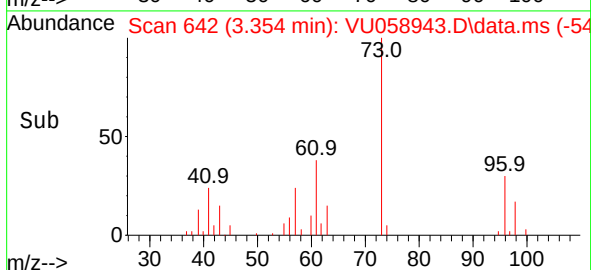
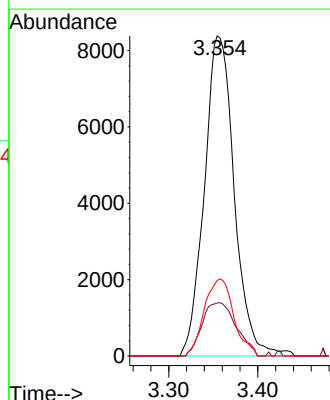
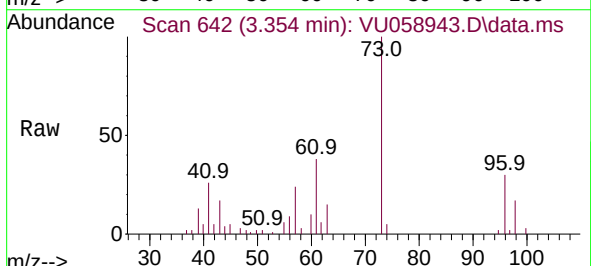
Tgt Ion: 73 Resp: 19480

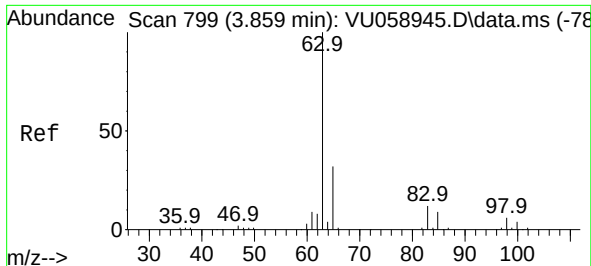
Ion Ratio Lower Upper

73 100

43 19.0 15.4 23.2

57 23.9 18.6 27.8





#19

1,1-Dichloroethane

Concen: 6.349 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.006 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

ClientSampleId :

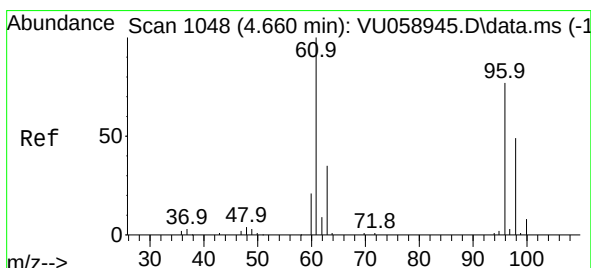
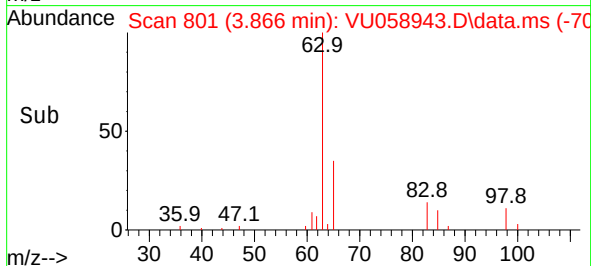
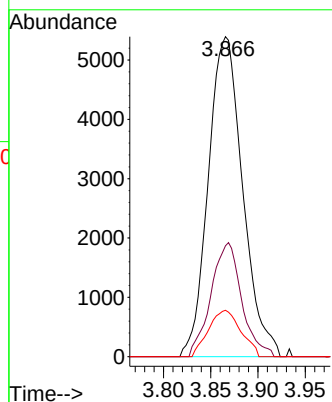
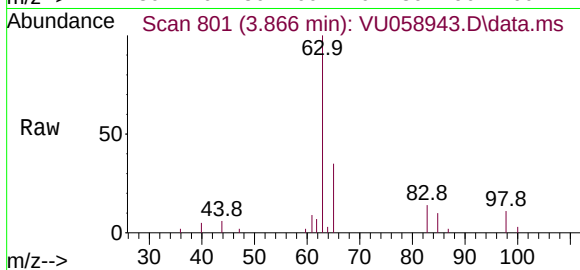
Tgt Ion: 63 Resp: 13647

Ion Ratio Lower Upper

63 100

65 34.7 22.3 41.3

83 14.5 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 5.505 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

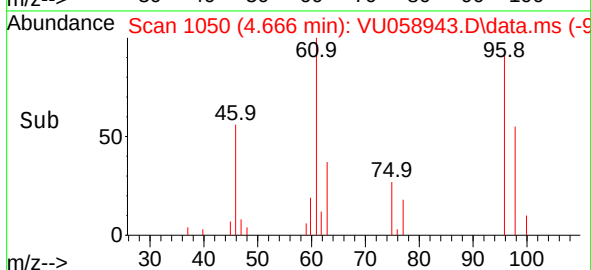
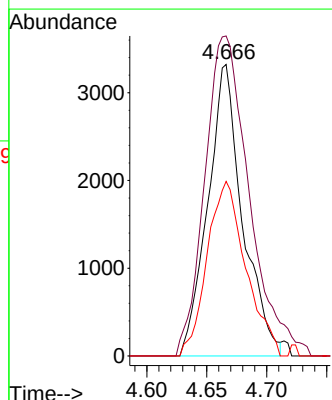
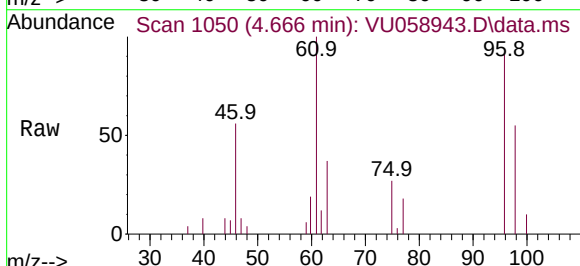
Tgt Ion: 96 Resp: 6692

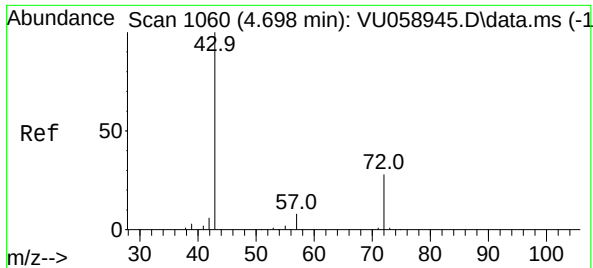
Ion Ratio Lower Upper

96 100

61 109.8 91.1 169.3

98 59.9 44.4 82.4

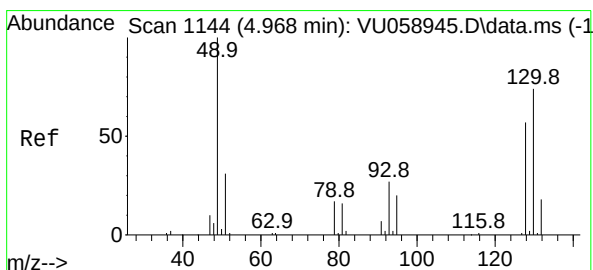
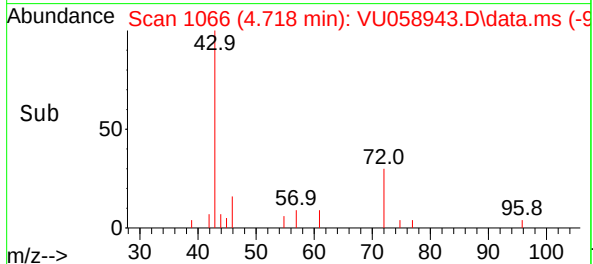
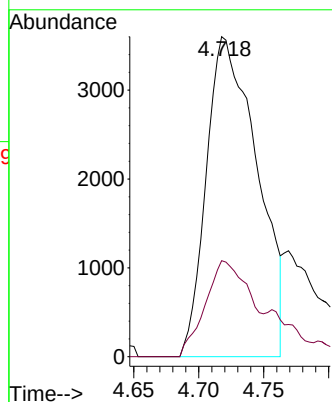
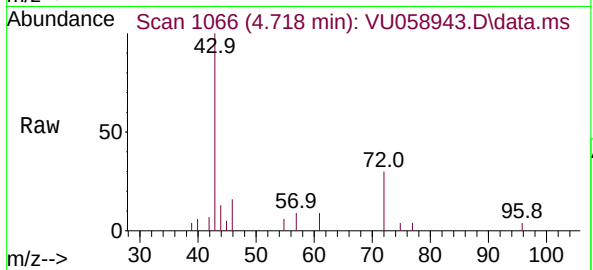




#22
2-Butanone
Concen: 9.706 ug/L
RT: 4.718 min Scan# 1066
Delta R.T. 0.019 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

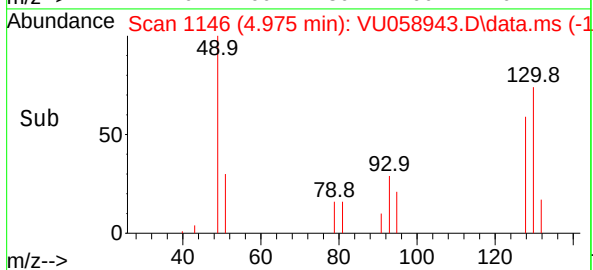
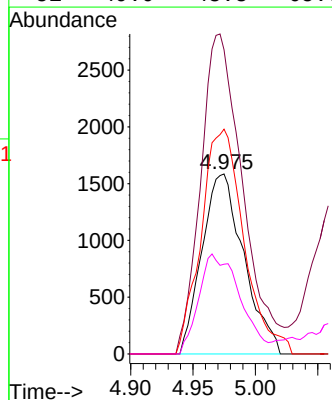
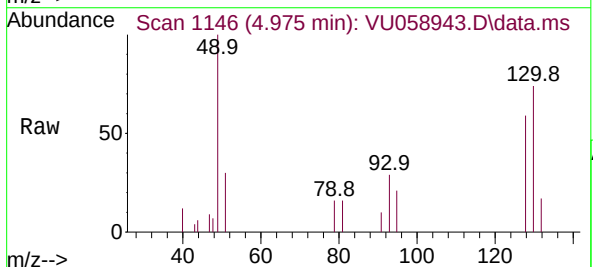
Instrument :
MSVOA_U
ClientSampleId :

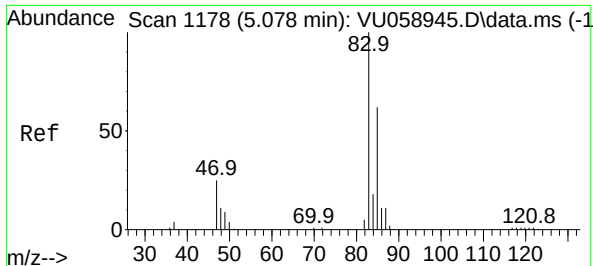
Tgt Ion: 43 Resp: 9783
Ion Ratio Lower Upper
43 100
72 26.4 13.9 41.7



#23
Bromochloromethane
Concen: 6.147 ug/L
RT: 4.975 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Tgt Ion:128 Resp: 3700
Ion Ratio Lower Upper
128 100
49 169.1 123.8 229.8
130 124.9 90.6 168.2
51 49.9 43.8 65.6





#25

Chloroform

Concen: 6.506 ug/L

RT: 5.084 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

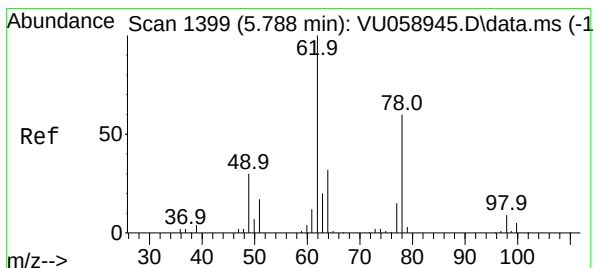
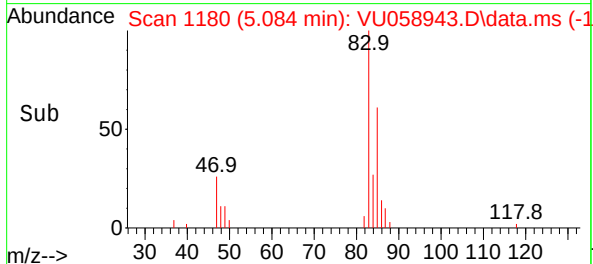
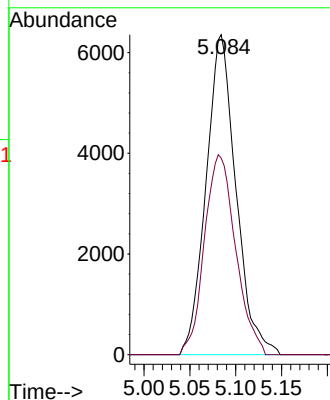
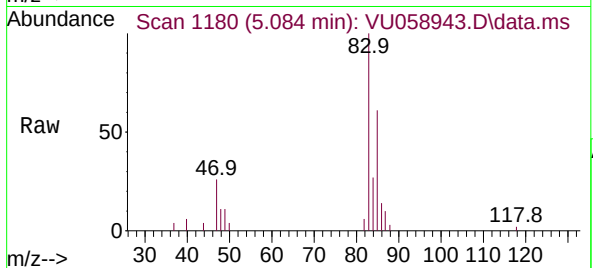
ClientSampleId :

Tgt Ion: 83 Resp: 14407

Ion Ratio Lower Upper

83 100

85 61.4 43.8 81.3



#27

1,2-Dichloroethane

Concen: 6.067 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU058943.D

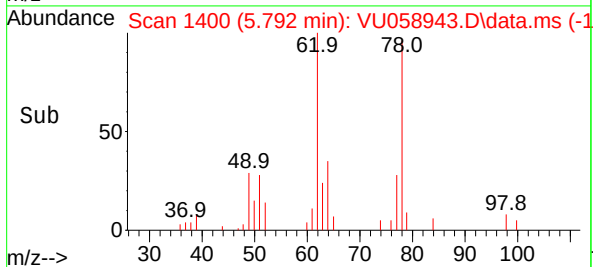
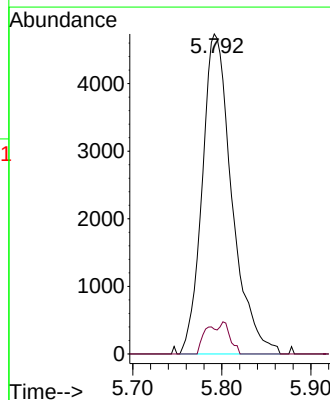
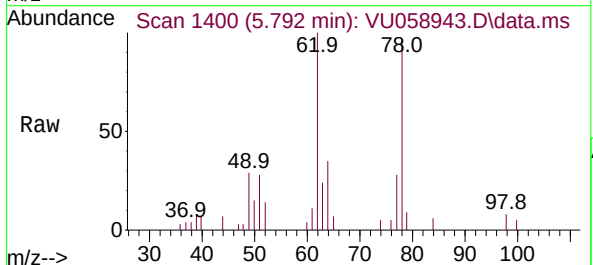
Acq: 23 May 2024 11:12

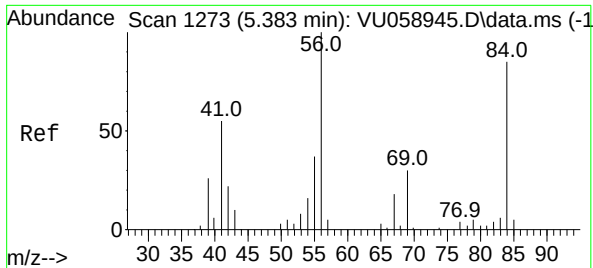
Tgt Ion: 62 Resp: 10982

Ion Ratio Lower Upper

62 100

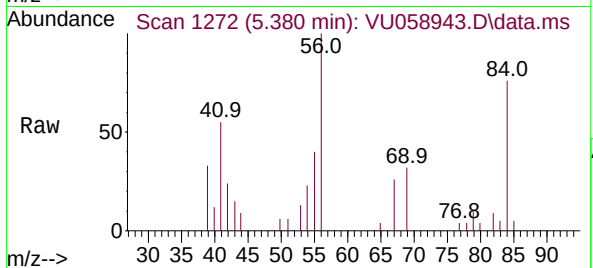
98 7.8 7.0 10.4



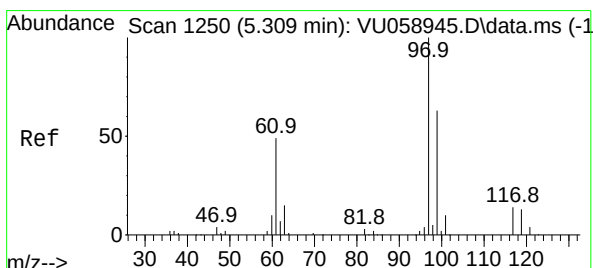
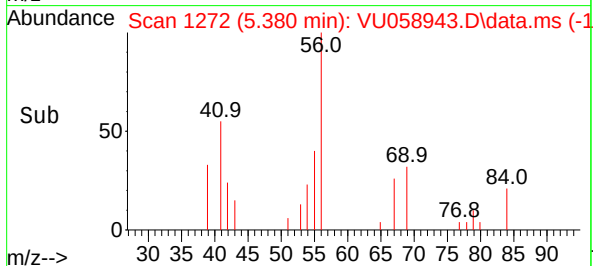
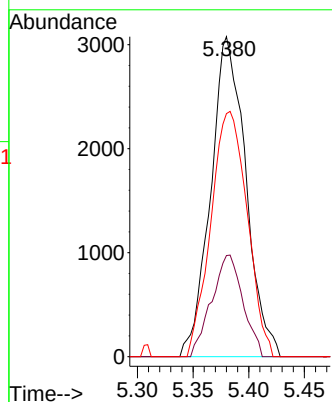


#29
Cyclohexane
Concen: 3.404 ug/L
RT: 5.380 min Scan# 1273
Delta R.T. -0.003 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Instrument :
MSVOA_U
ClientSampleId :

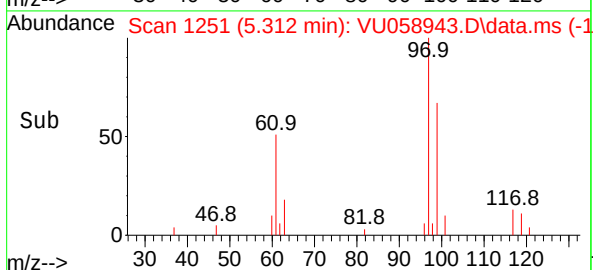
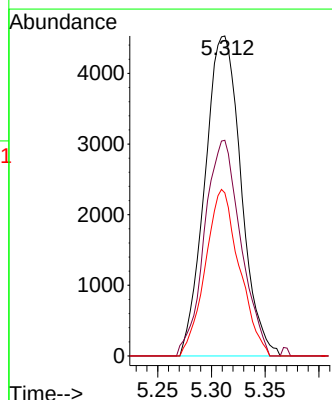
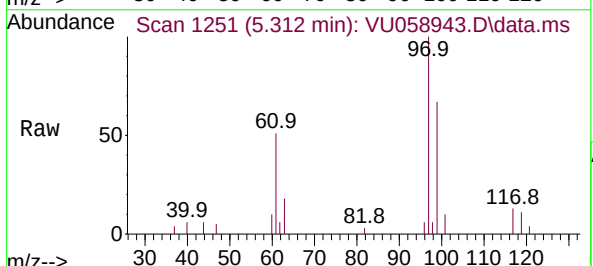


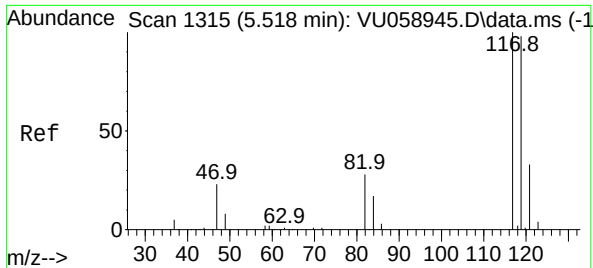
Tgt Ion:	56	Resp:	6737
Ion Ratio	Lower	Upper	
56	100		
69	28.3	24.3	36.5
84	79.5	66.7	100.1



#30
1,1,1-Trichloroethane
Concen: 5.098 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. 0.003 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Tgt Ion:	97	Resp:	10588
Ion Ratio	Lower	Upper	
97	100		
99	67.5	51.8	77.8
61	49.0	38.9	58.3

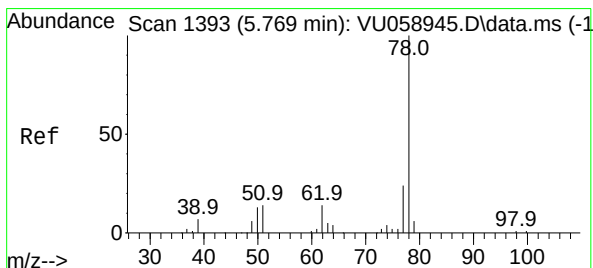
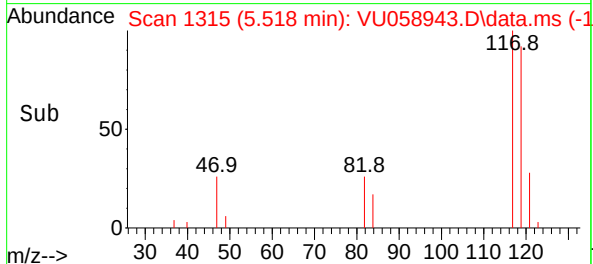
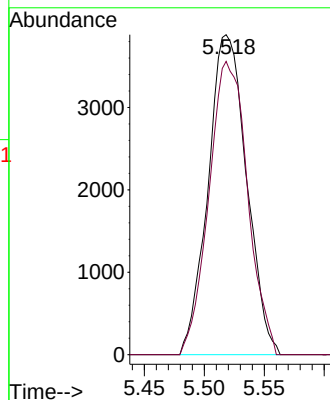
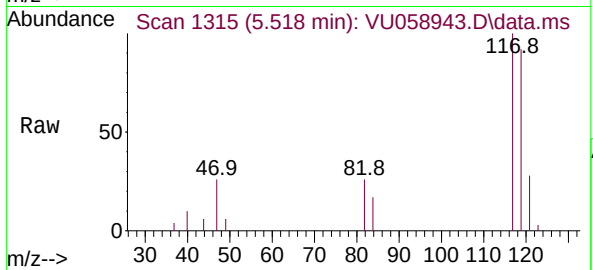




#31
Carbon tetrachloride
Concen: 4.866 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

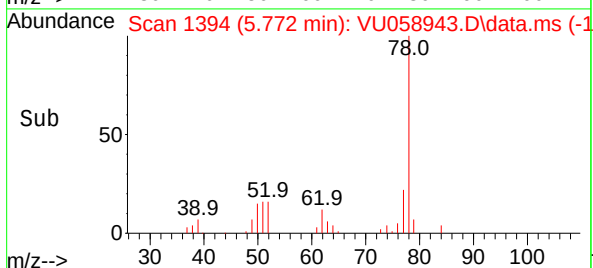
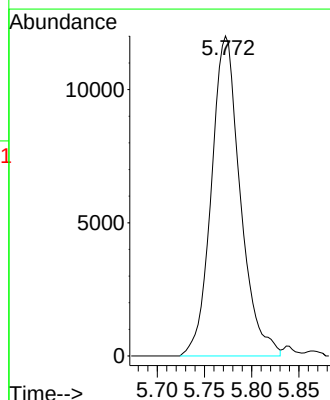
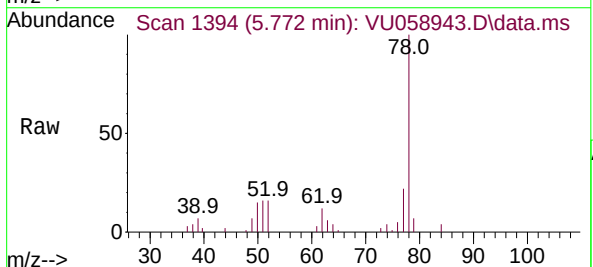
Instrument :
MSVOA_U
ClientSampleId :

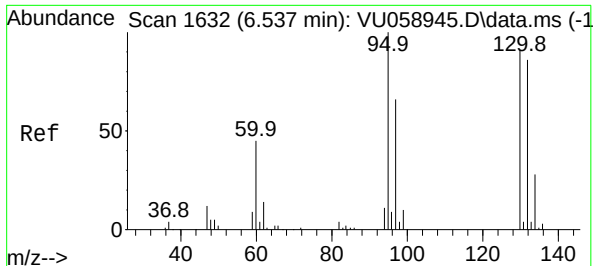
Tgt Ion:117 Resp: 8660
Ion Ratio Lower Upper
117 100
119 92.3 77.4 116.0



#33
Benzene
Concen: 5.029 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Tgt Ion: 78 Resp: 25560





#34

Trichloroethene

Concen: 5.130 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 7020

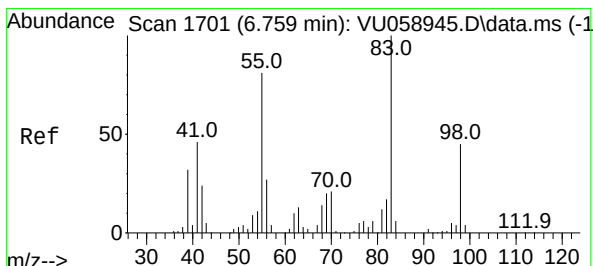
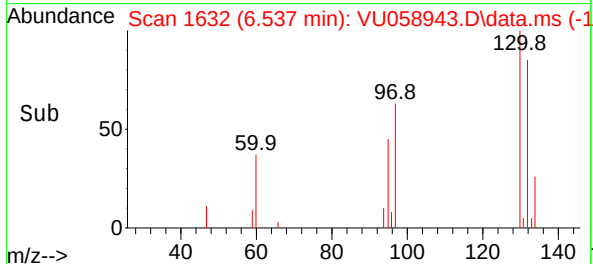
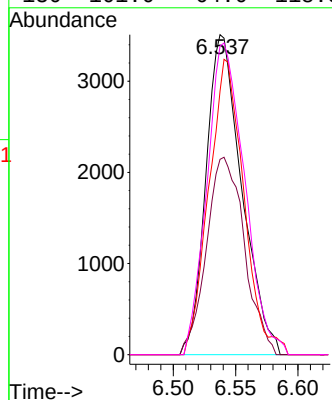
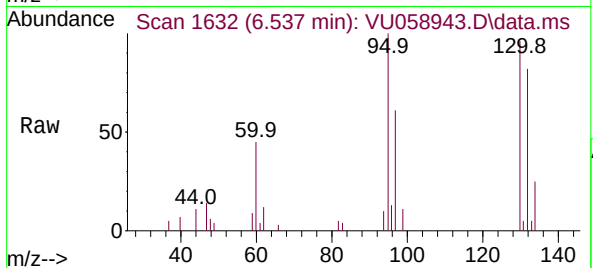
Ion Ratio Lower Upper

95 100

97 61.1 45.9 85.3

132 82.3 60.5 112.5

130 101.0 64.0 118.8



#35

Methylcyclohexane

Concen: 3.732 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

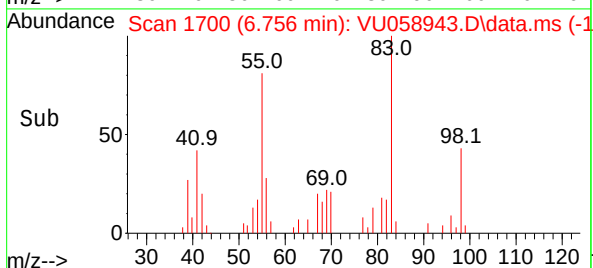
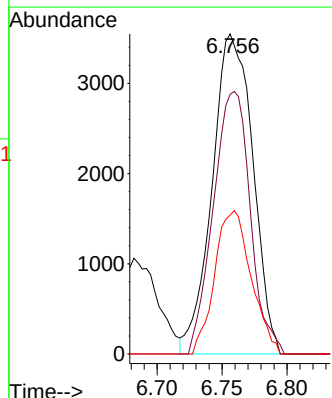
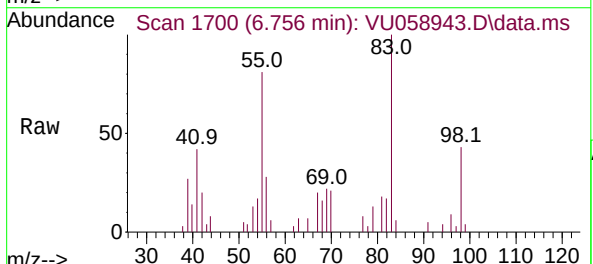
Tgt Ion: 83 Resp: 7728

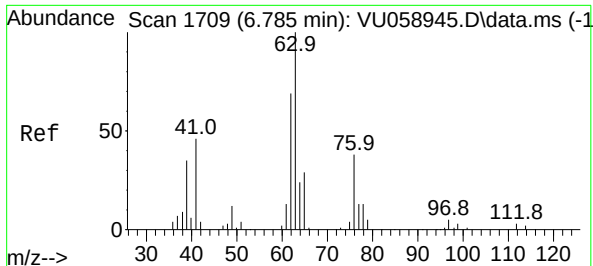
Ion Ratio Lower Upper

83 100

55 74.6 61.5 92.3

98 40.1 36.2 54.2

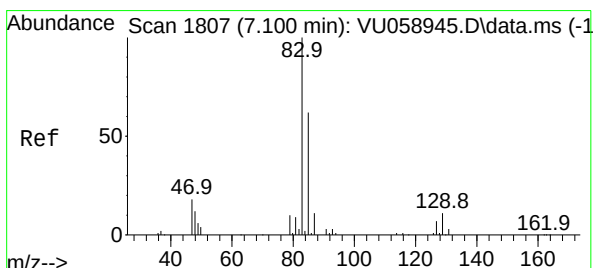
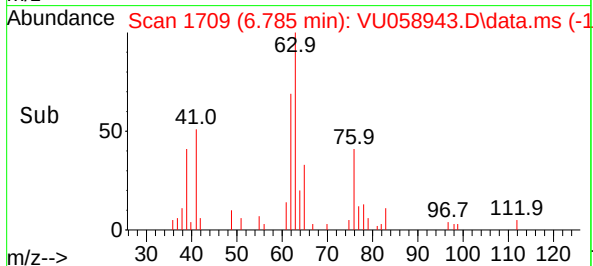
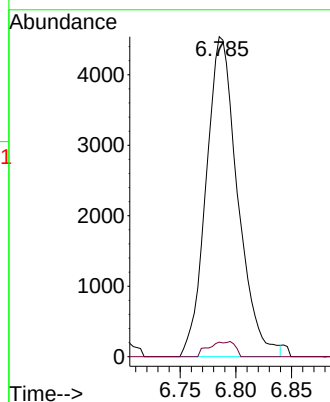
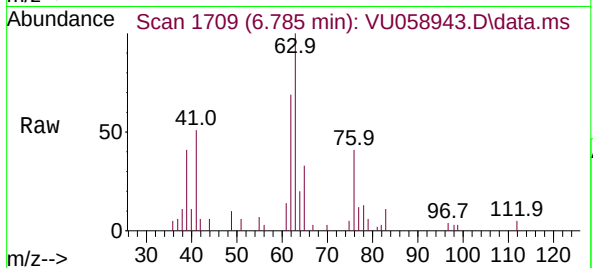




#37
1,2-Dichloropropane
Concen: 6.208 ug/L
RT: 6.785 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

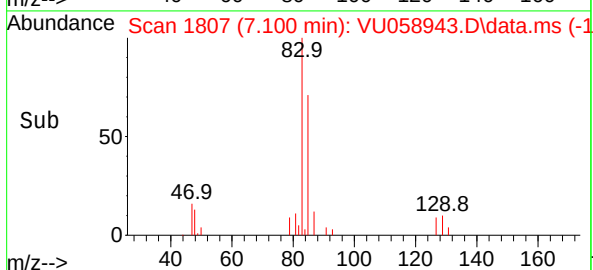
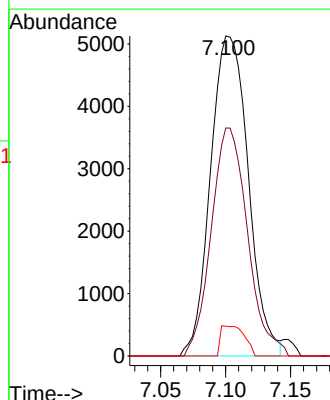
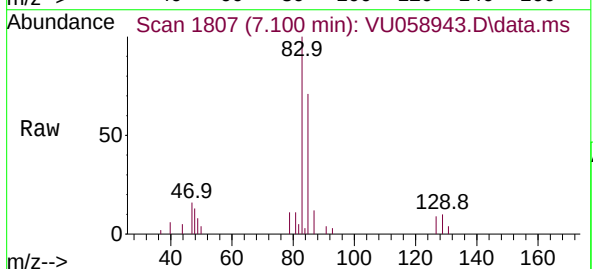
Instrument :
MSVOA_U
ClientSampleId :

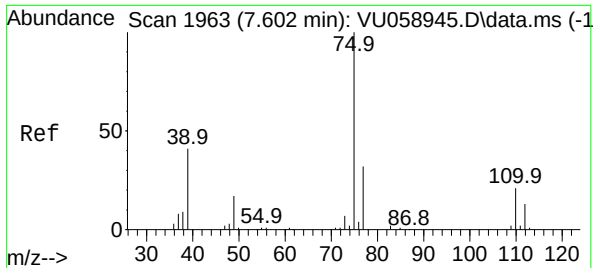
Tgt Ion: 63 Resp: 8956
Ion Ratio Lower Upper
63 100
112 0.7 2.5 3.7#



#38
Bromodichloromethane
Concen: 5.716 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Tgt Ion: 83 Resp: 10380
Ion Ratio Lower Upper
83 100
85 71.3 43.5 80.9
127 9.3 5.8 8.6#

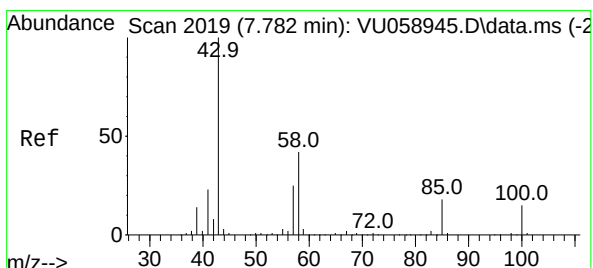
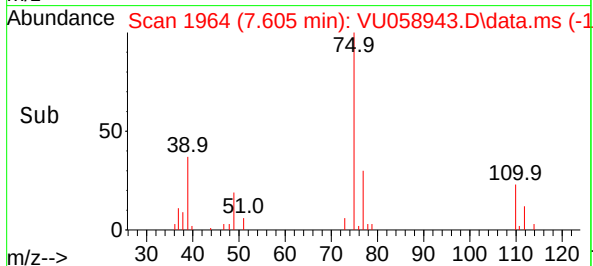
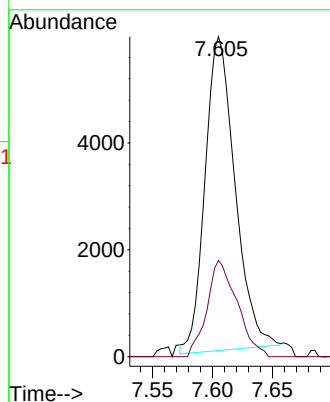
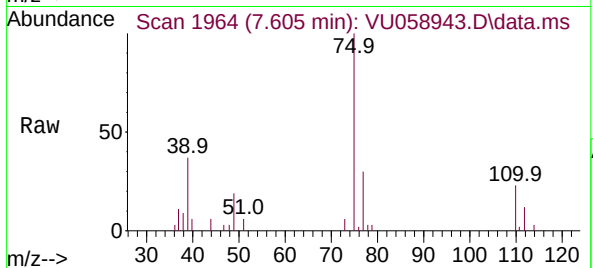




#39
 cis-1,3-Dichloropropene
 Concen: 4.505 ug/L
 RT: 7.605 min Scan# 1963
 Delta R.T. 0.003 min
 Lab File: VU058943.D
 Acq: 23 May 2024 11:12

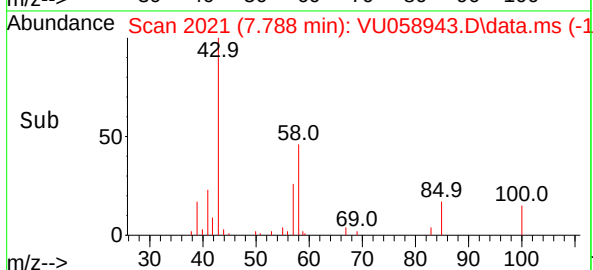
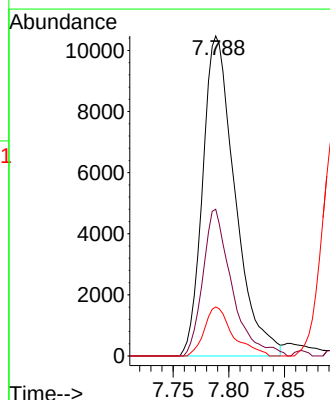
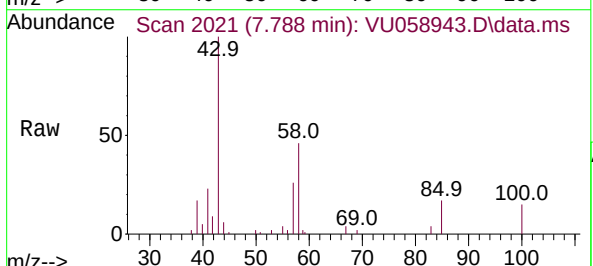
Instrument :
 MSVOA_U
 ClientSampleId :

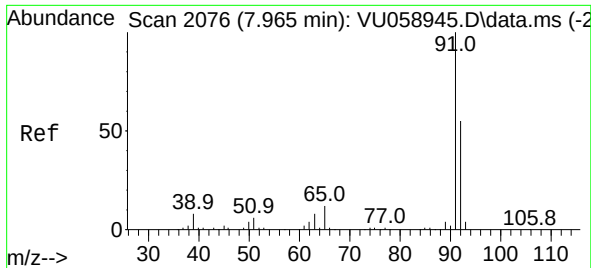
Tgt Ion: 75 Resp: 10222
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 11.256 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: VU058943.D
 Acq: 23 May 2024 11:12

Tgt Ion: 43 Resp: 21124
 Ion Ratio Lower Upper
 43 100
 58 40.2 33.5 50.3
 100 13.5 11.8 17.8





#42

Toluene

Concen: 4.840 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

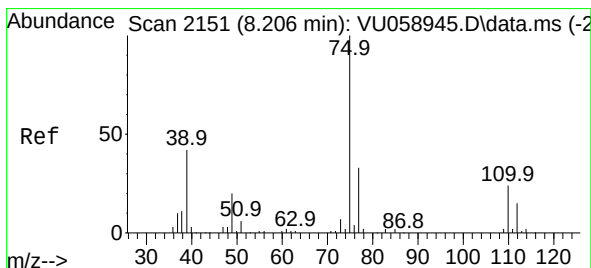
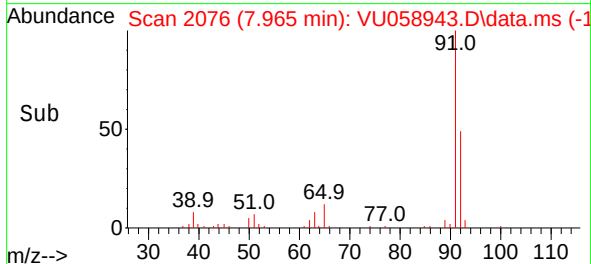
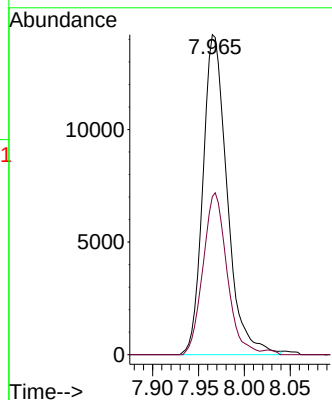
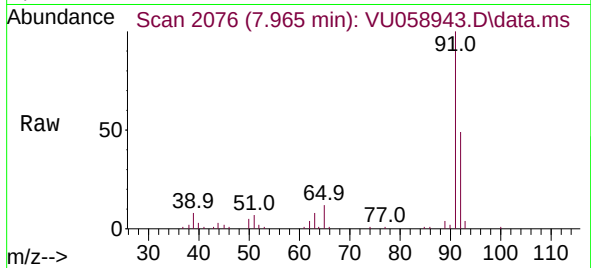
ClientSampleId :

Tgt Ion: 91 Resp: 26120

Ion Ratio Lower Upper

91 100

92 49.4 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 4.725 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU058943.D

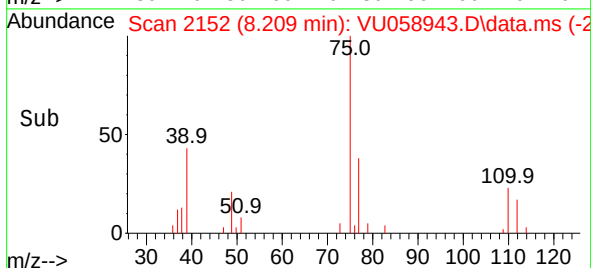
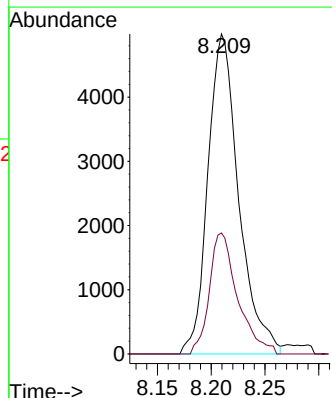
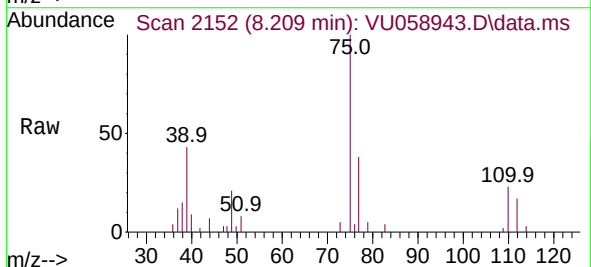
Acq: 23 May 2024 11:12

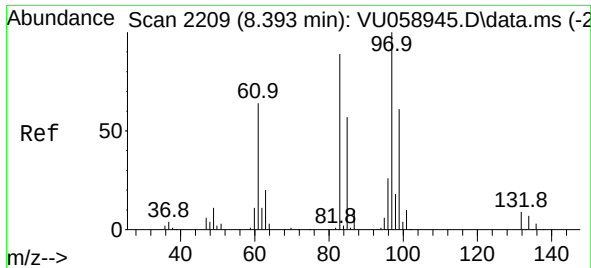
Tgt Ion: 75 Resp: 9943

Ion Ratio Lower Upper

75 100

77 37.8 23.0 42.8

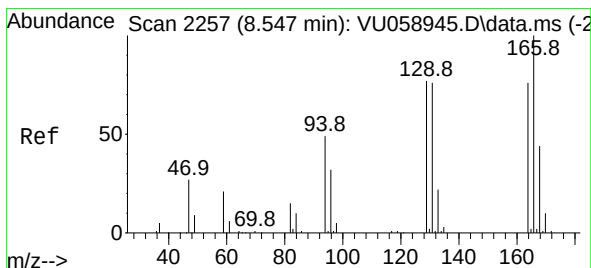
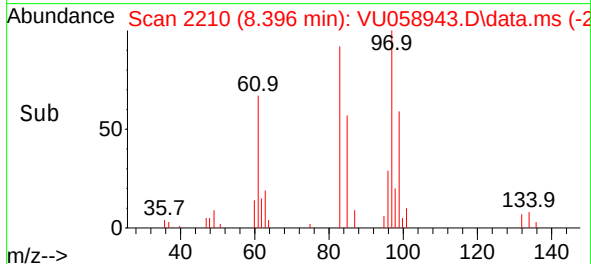
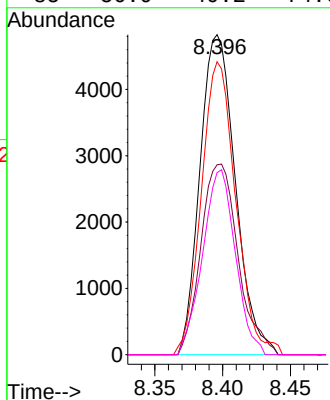
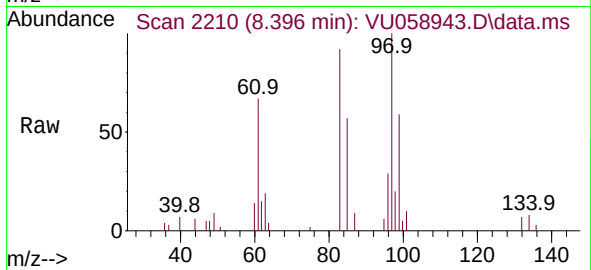




#45
1,1,2-Trichloroethane
Concen: 6.493 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

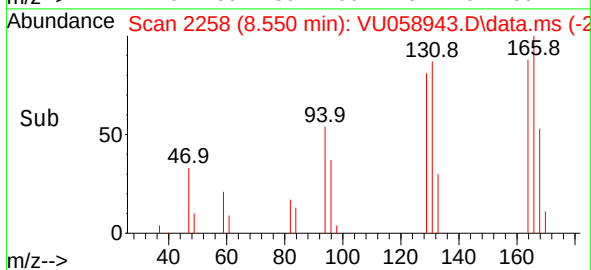
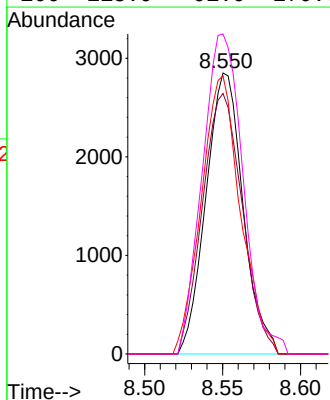
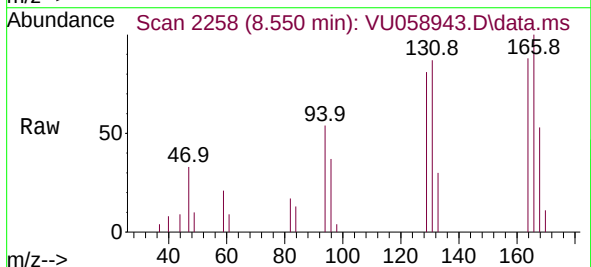
Instrument :
MSVOA_U
ClientSampleId :

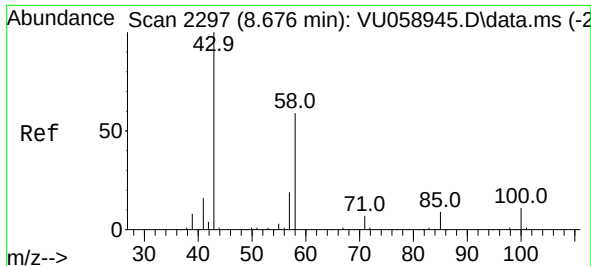
Tgt Ion:	97	Resp:	8789
Ion	Ratio	Lower	Upper
97	100		
99	59.3	42.6	79.2
83	91.6	62.2	115.6
85	56.9	40.2	74.6



#46
Tetrachloroethene
Concen: 5.021 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Tgt Ion:	164	Resp:	4713
Ion	Ratio	Lower	Upper
164	100		
129	92.7	70.6	131.0
131	99.1	69.2	128.6
166	113.9	91.9	170.7





#48

2-Hexanone

Concen: 9.983 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.010 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 16068

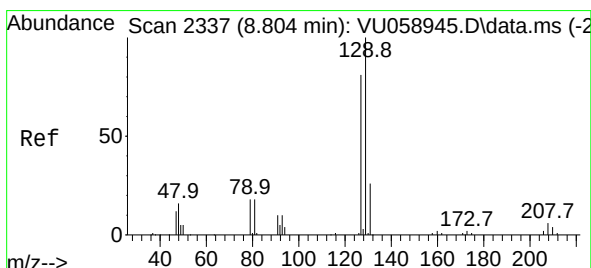
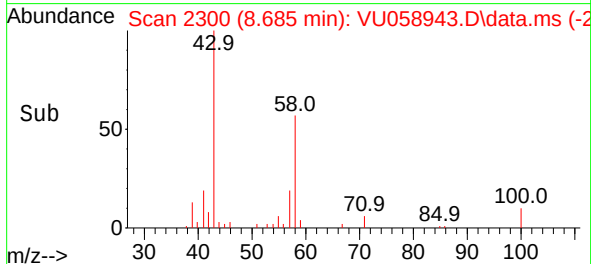
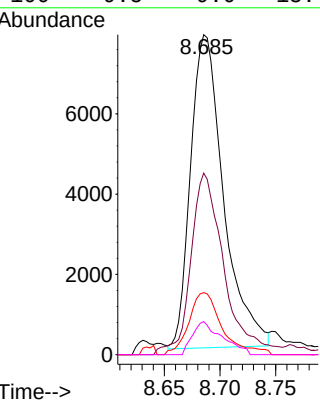
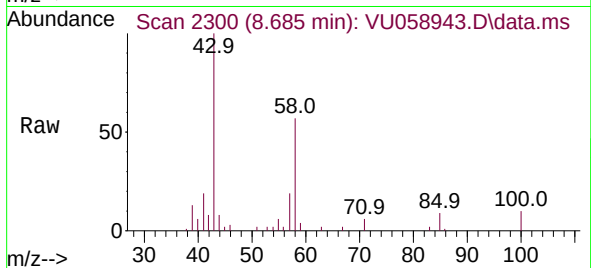
Ion Ratio Lower Upper

43 100

58 58.5 47.8 71.6

57 19.2 15.7 23.5

100 9.5 9.0 13.4



#49

Dibromochloromethane

Concen: 5.979 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VU058943.D

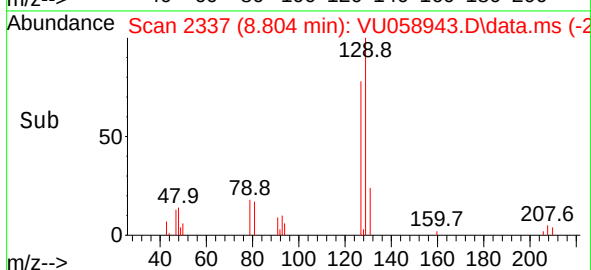
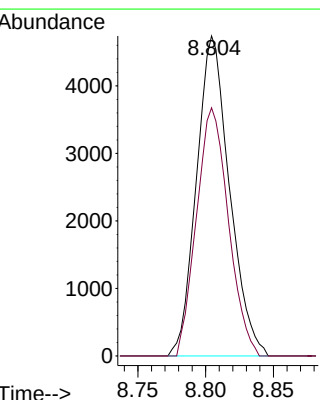
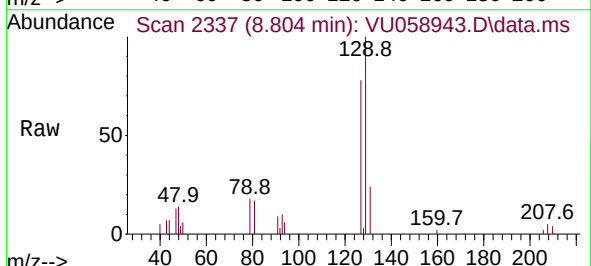
Acq: 23 May 2024 11:12

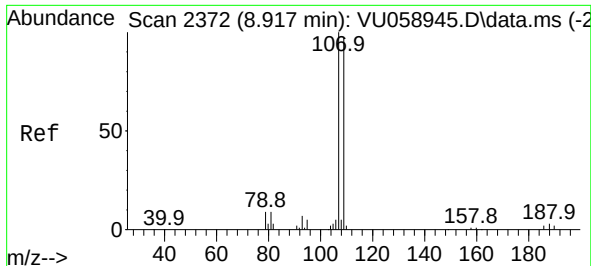
Tgt Ion: 129 Resp: 8030

Ion Ratio Lower Upper

129 100

127 77.6 56.8 105.4

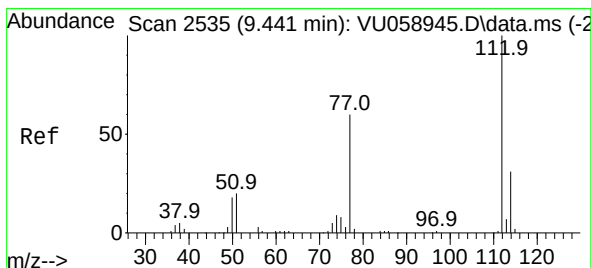
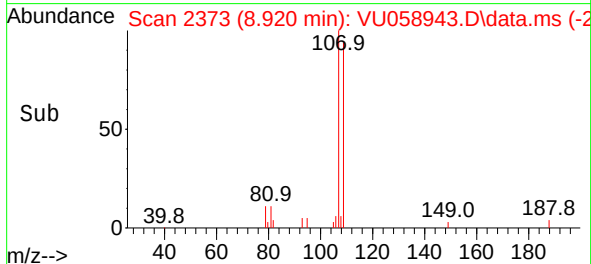
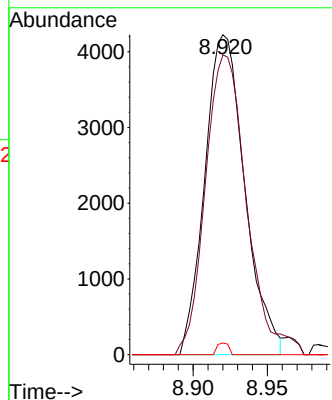
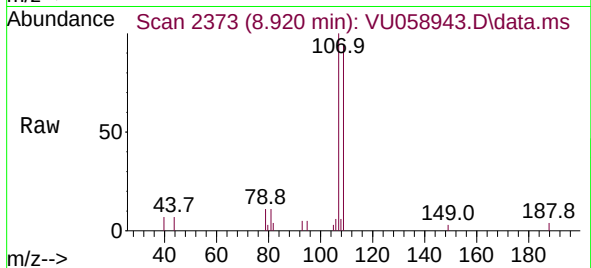




#50
1,2-Dibromoethane
Concen: 5.595 ug/L
RT: 8.920 min Scan# 24
Delta R.T. 0.003 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

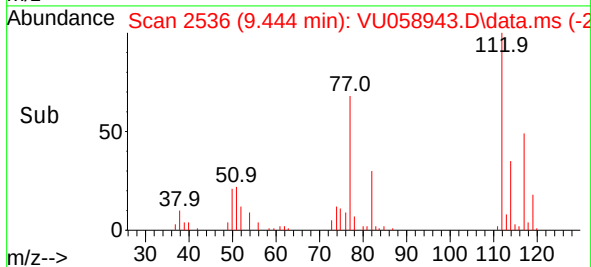
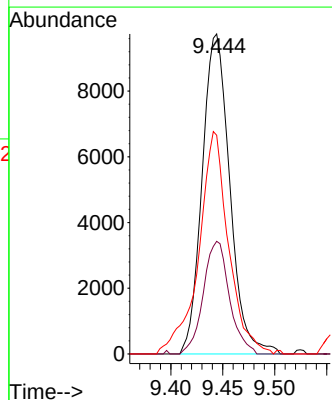
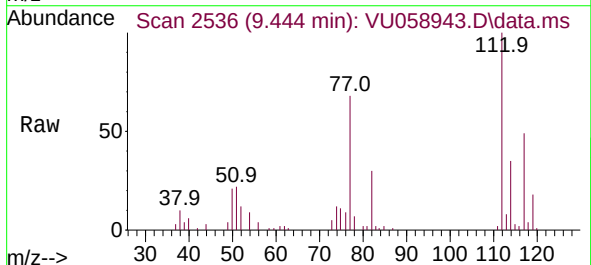
Instrument :
MSVOA_U
ClientSampleId :

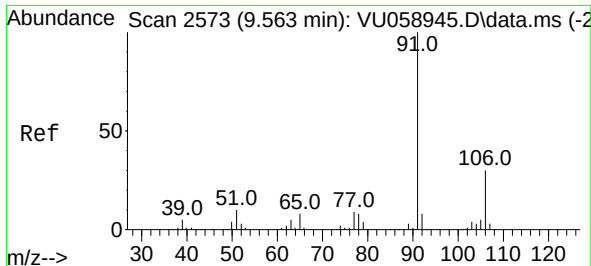
Tgt Ion:107 Resp: 7909
Ion Ratio Lower Upper
107 100
109 93.7 68.0 126.2
188 3.6 2.6 3.8



#51
Chlorobenzene
Concen: 5.255 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Tgt Ion:112 Resp: 18052
Ion Ratio Lower Upper
112 100
114 35.2 21.8 40.6
77 68.4 48.8 73.2

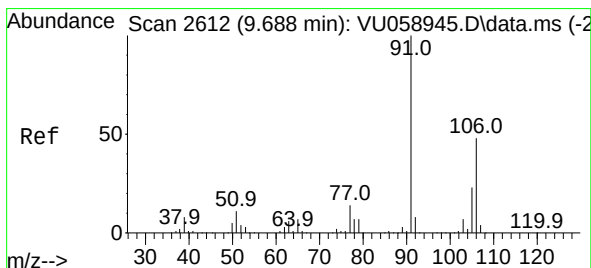
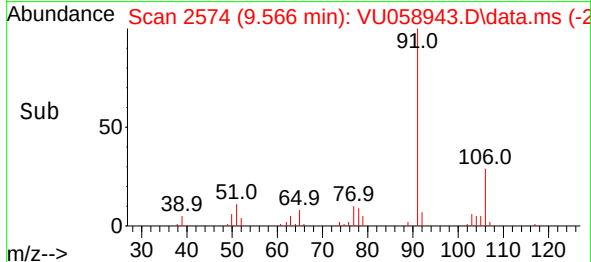
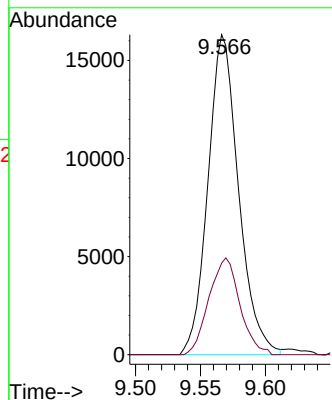
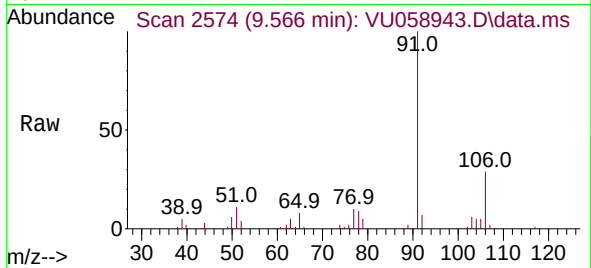




#52
Ethylbenzene
Concen: 4.411 ug/L
RT: 9.566 min Scan# 2573
Delta R.T. 0.003 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

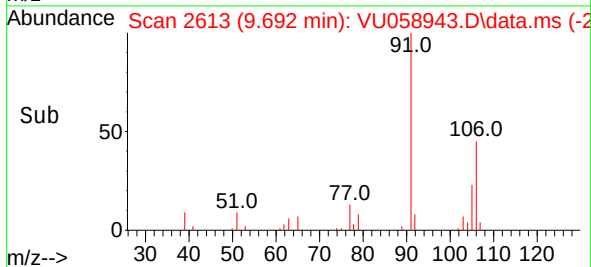
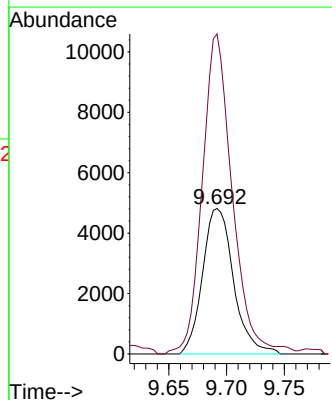
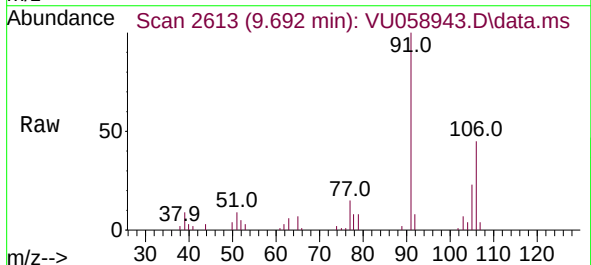
Instrument :
MSVOA_U
ClientSampleId :

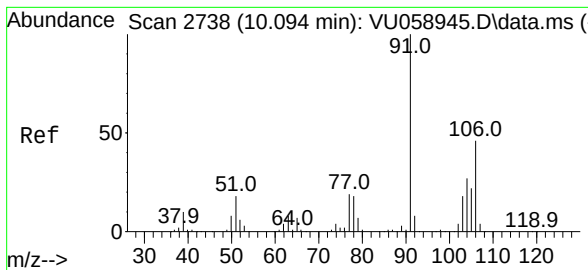
Tgt Ion: 91 Resp: 26719
Ion Ratio Lower Upper
91 100
106 28.6 20.8 38.6



#53
m,p-Xylene
Concen: 4.062 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Tgt Ion: 106 Resp: 8982
Ion Ratio Lower Upper
106 100
91 200.7 145.7 270.7

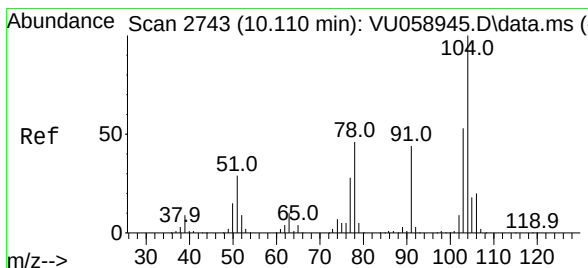
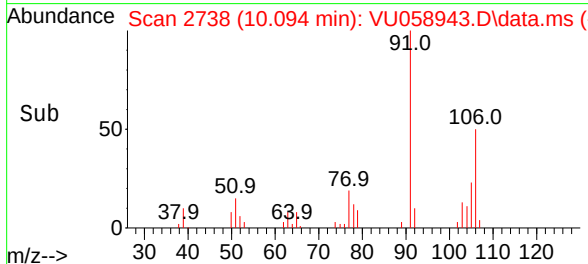
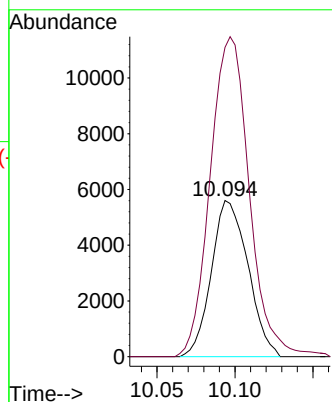
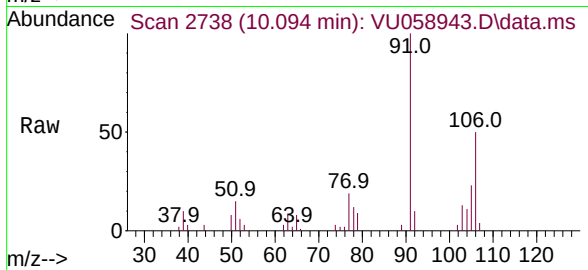




#54
o-Xylene
Concen: 4.218 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

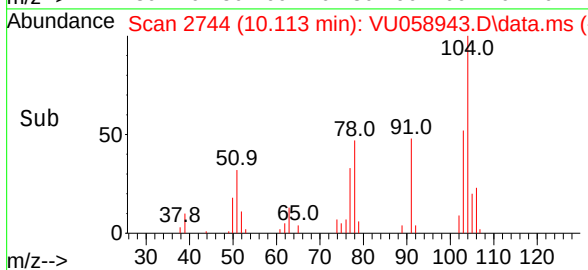
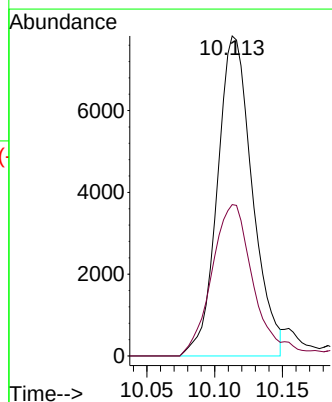
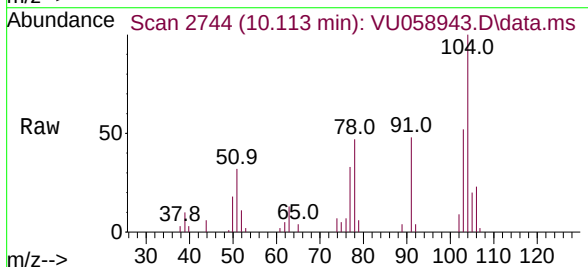
Instrument :
MSVOA_U
ClientSampleId :

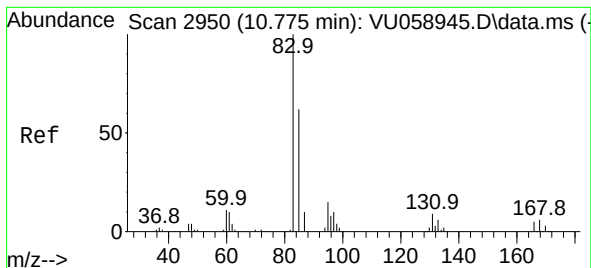
Tgt Ion:106 Resp: 9143
Ion Ratio Lower Upper
106 100
91 184.7 154.0 286.0



#55
Styrene
Concen: 3.806 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Tgt Ion:104 Resp: 14035
Ion Ratio Lower Upper
104 100
78 47.3 32.3 59.9

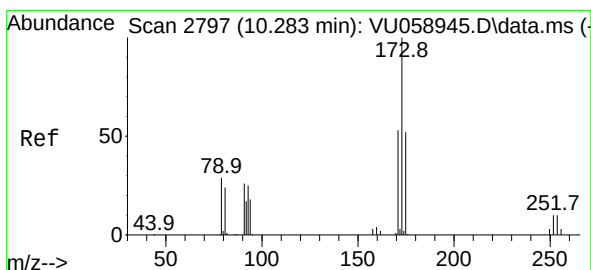
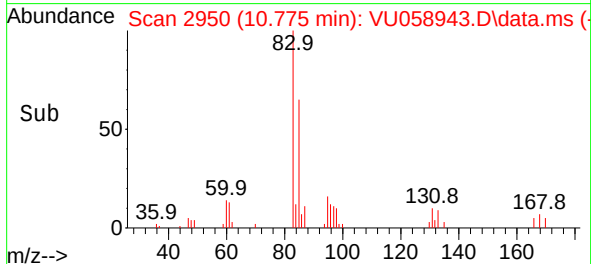
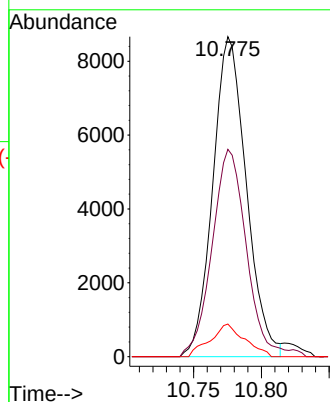
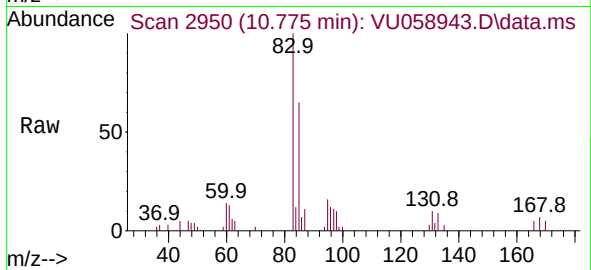




#57
1,1,2,2-Tetrachloroethane
Concen: 6.620 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

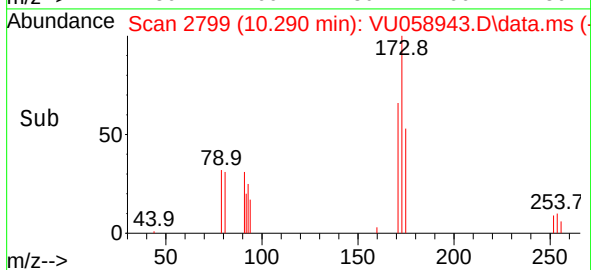
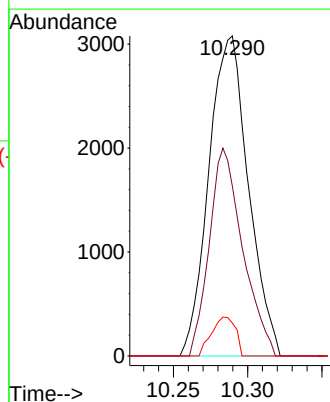
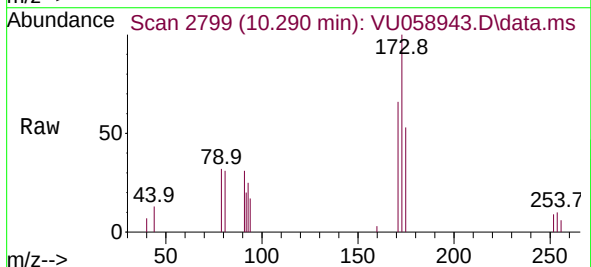
Instrument :
MSVOA_U
ClientSampleId :

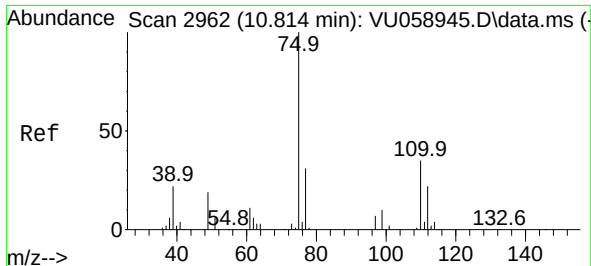
Tgt Ion:	83	Resp:	14884
Ion	Ratio	Lower	Upper
83	100		
85	64.8	43.5	80.9
131	14.2	7.1	10.7#



#59
Bromoform
Concen: 5.938 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.006 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Tgt Ion:	173	Resp:	5705
Ion	Ratio	Lower	Upper
173	100		
175	54.7	40.6	61.0
254	7.4	7.3	10.9





#60

1,2,3-Trichloropropane

Concen: 6.551 ug/L

RT: 10.817 min Scan# 2962

Delta R.T. 0.003 min

Lab File: VU058943.D

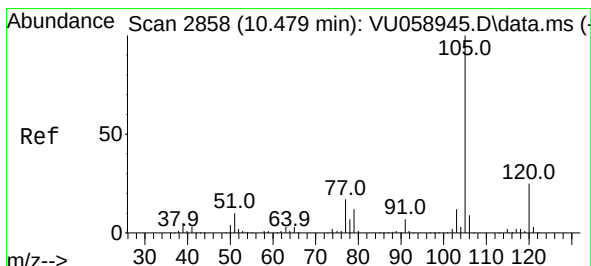
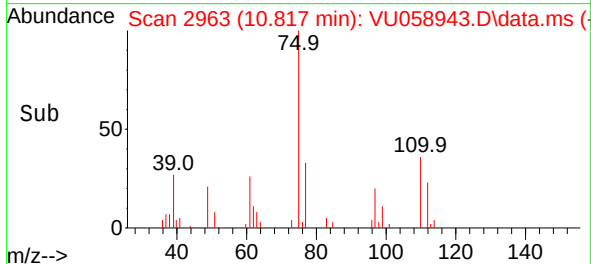
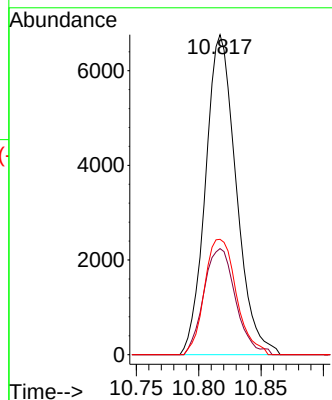
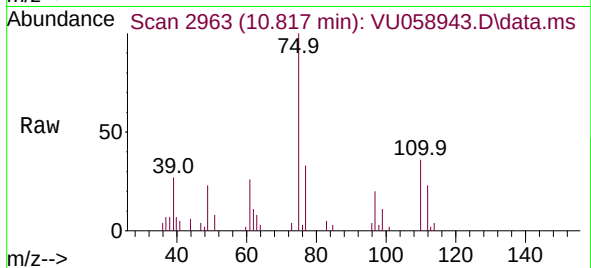
Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	75	Resp:	11573
Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.8	38.6
110	37.4	28.3	42.5



#61

Isopropylbenzene

Concen: 4.216 ug/L

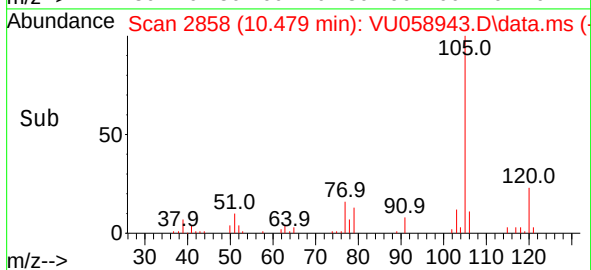
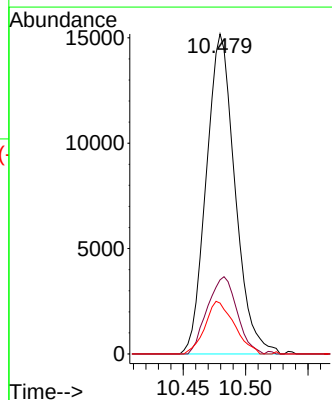
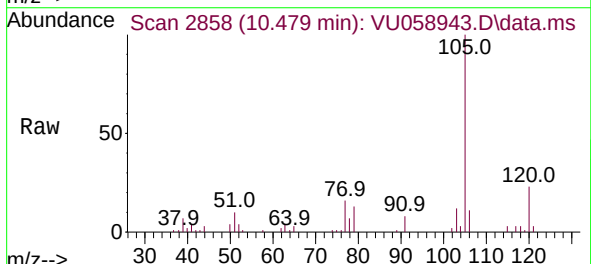
RT: 10.479 min Scan# 2858

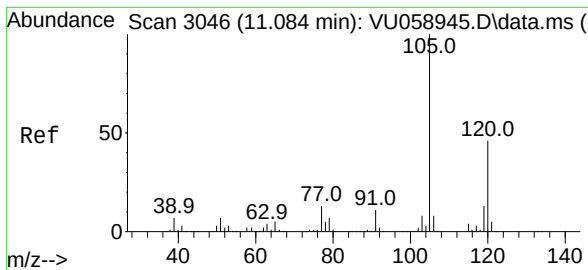
Delta R.T. 0.000 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

Tgt Ion:	105	Resp:	24364
Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.0	30.0
77	16.7	13.4	20.0

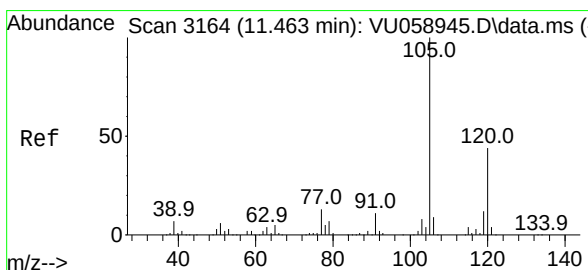
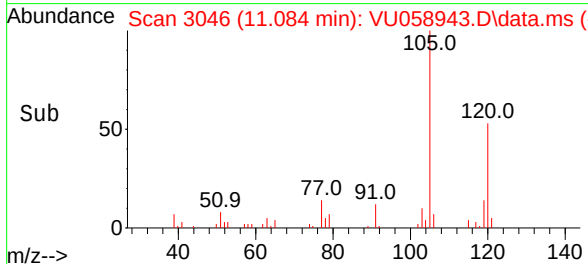
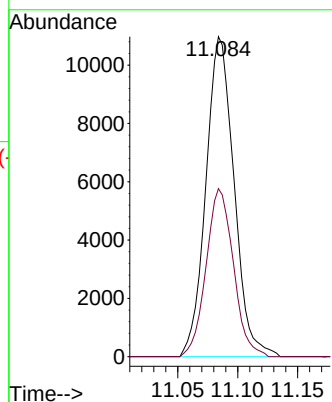
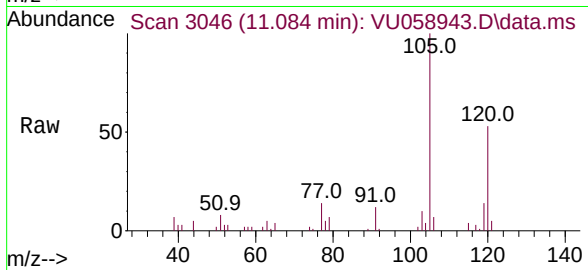




#62
1,3,5-Trimethylbenzene
Concen: 3.742 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

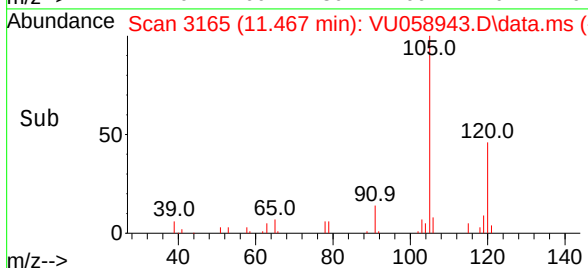
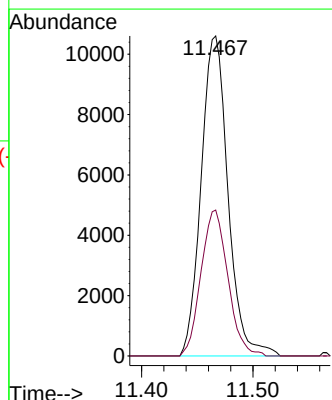
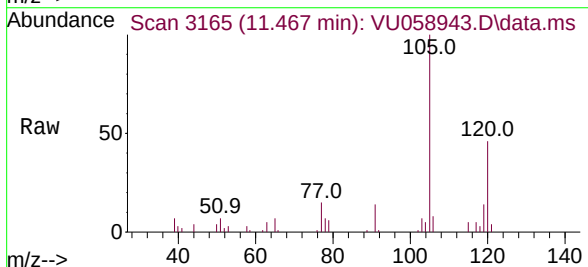
Instrument :
MSVOA_U
ClientSampleId :

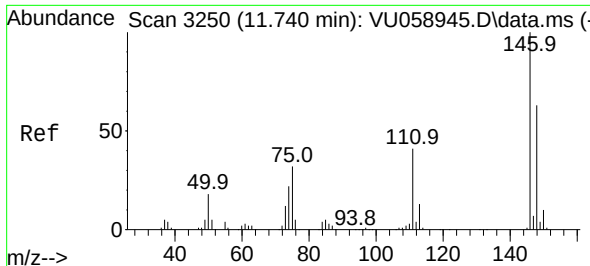
Tgt Ion:105 Resp: 17925
Ion Ratio Lower Upper
105 100
120 50.9 36.9 55.3



#63
1,2,4-Trimethylbenzene
Concen: 3.688 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

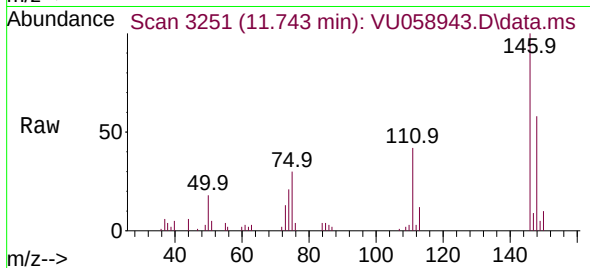
Tgt Ion:105 Resp: 17765
Ion Ratio Lower Upper
105 100
120 45.7 35.3 52.9



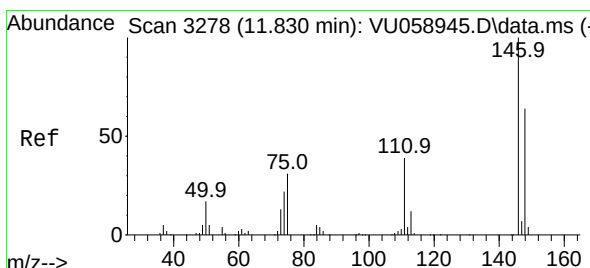
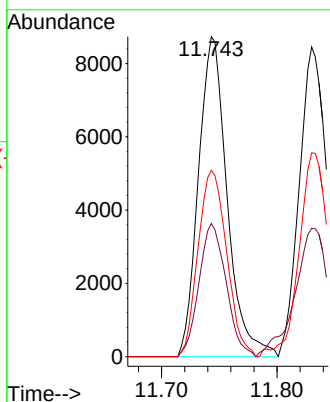
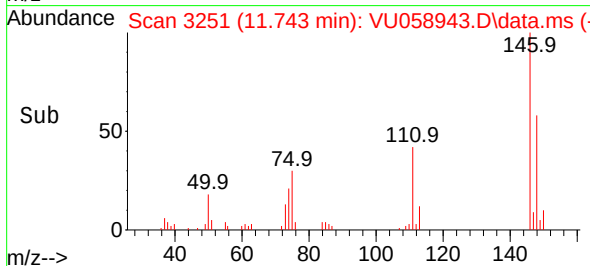


#64
1,3-Dichlorobenzene
Concen: 5.873 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Instrument :
MSVOA_U
ClientSampleId :

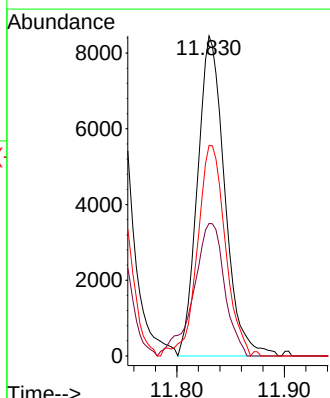
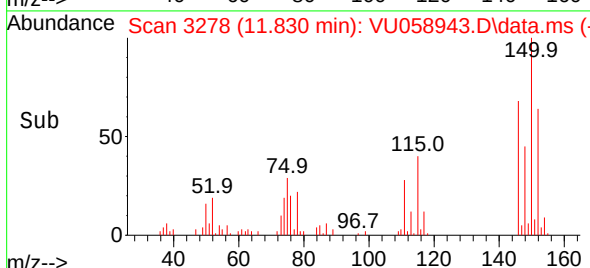
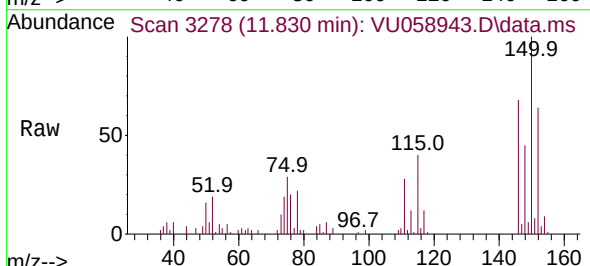


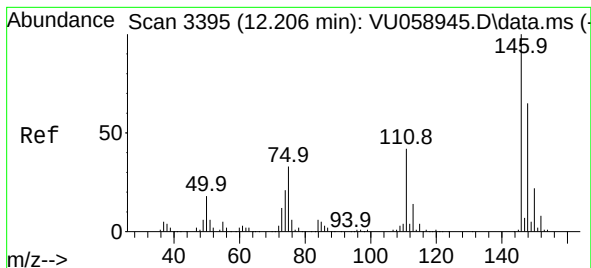
Tgt Ion:146 Resp: 15069
Ion Ratio Lower Upper
146 100
111 41.6 28.6 53.0
148 58.2 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 5.599 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU058943.D
Acq: 23 May 2024 11:12

Tgt Ion:146 Resp: 14805
Ion Ratio Lower Upper
146 100
111 43.7 27.3 50.7
148 65.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.781 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

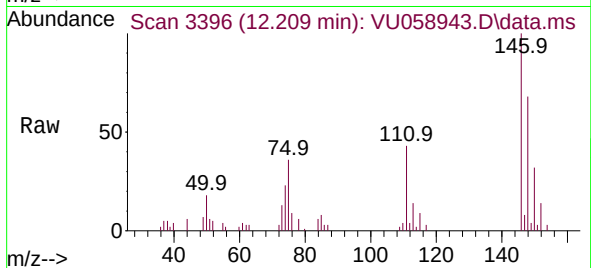
Lab File: VU058943.D

Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

ClientSampleId :



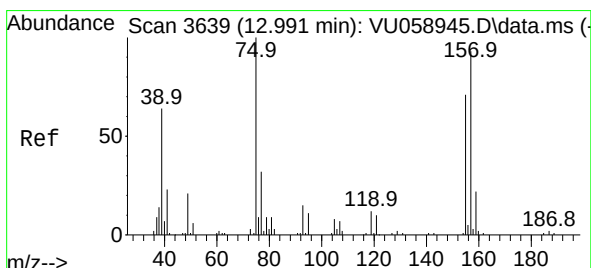
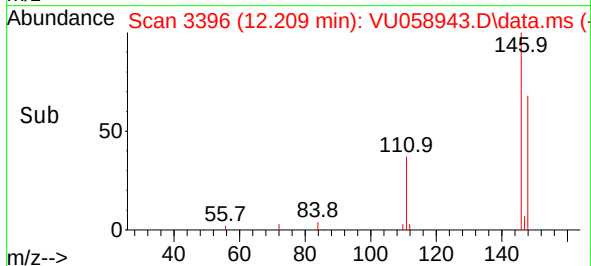
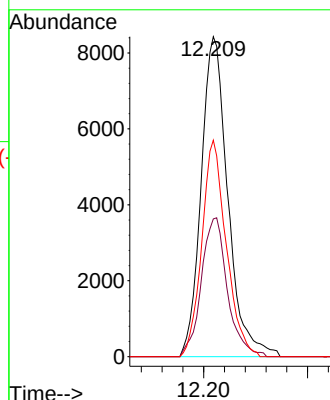
Tgt Ion:146 Resp: 15020

Ion Ratio Lower Upper

146 100

111 43.0 34.1 51.1

148 67.7 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.798 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

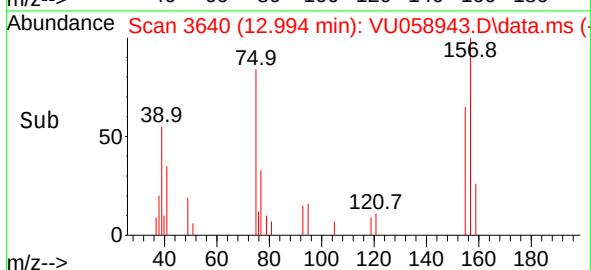
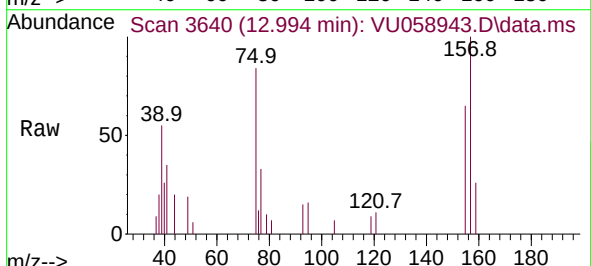
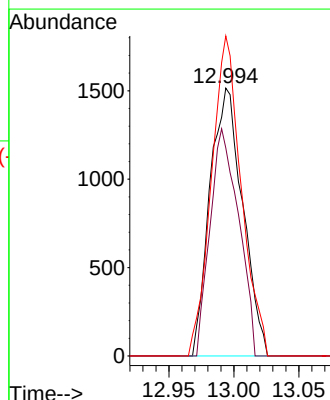
Tgt Ion: 75 Resp: 2651

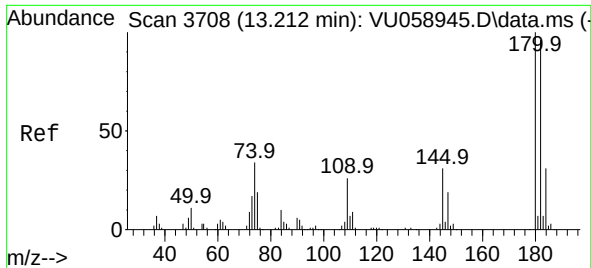
Ion Ratio Lower Upper

75 100

155 77.7 60.2 90.4

157 119.5 77.2 115.8#





#69

1,3,5-Trichlorobenzene

Concen: 5.407 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

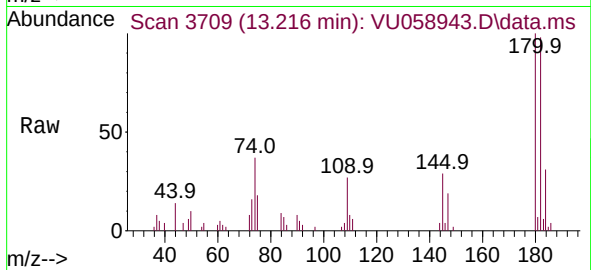
Lab File: VU058943.D

Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 9729

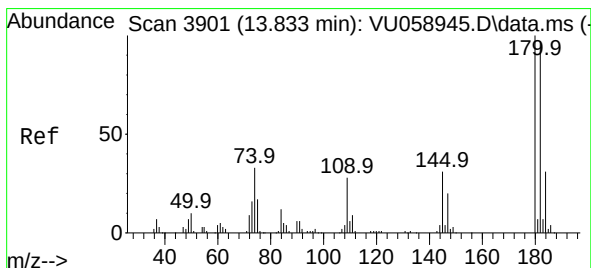
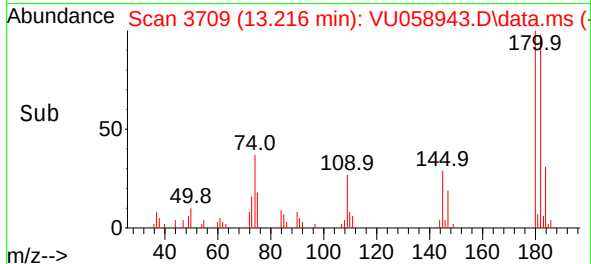
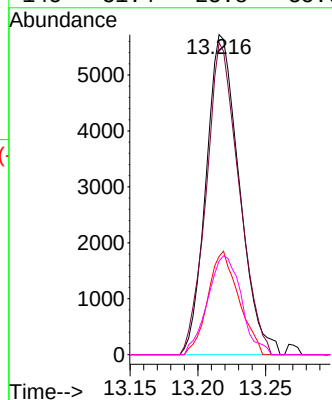
Ion Ratio Lower Upper

180 100

182 95.9 75.7 113.5

184 30.1 24.3 36.5

145 31.4 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 4.905 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.007 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

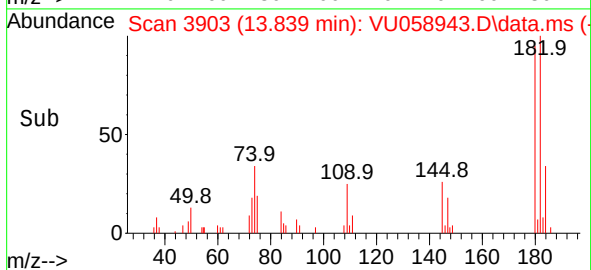
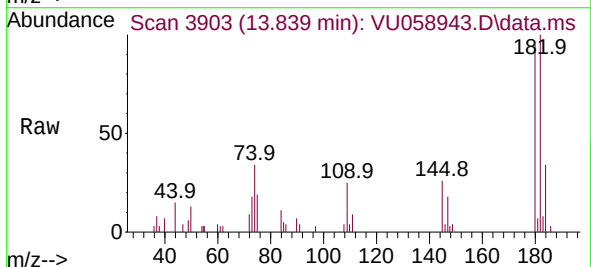
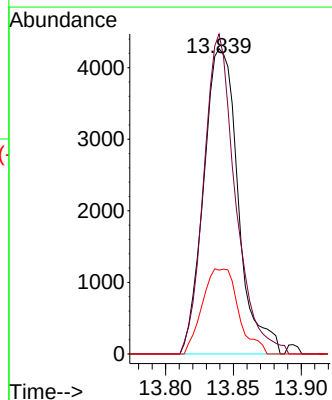
Tgt Ion:180 Resp: 7555

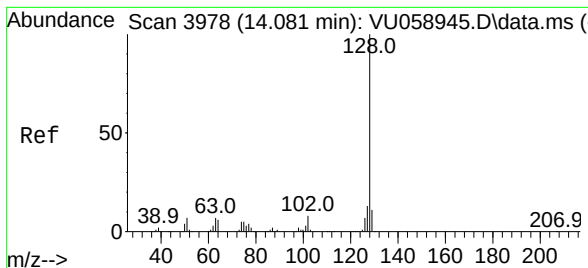
Ion Ratio Lower Upper

180 100

182 96.1 78.6 117.8

145 15.0 24.6 37.0#





#71

Naphthalene

Concen: 4.078 ug/L

RT: 14.087 min Scan# 3978

Delta R.T. 0.007 min

Lab File: VU058943.D

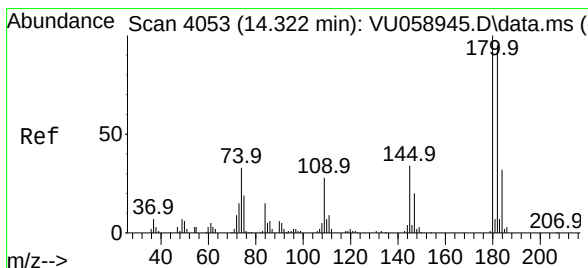
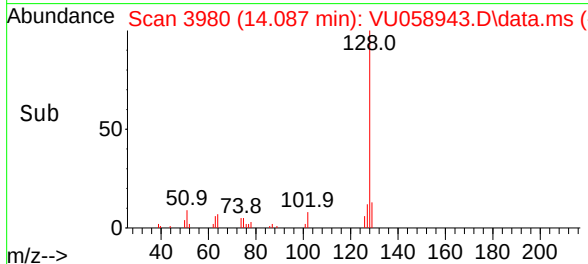
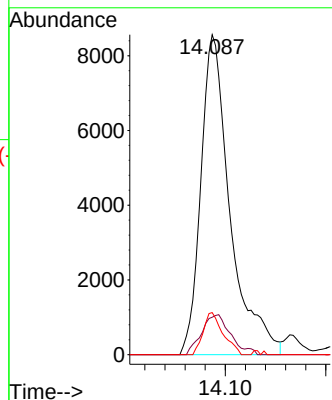
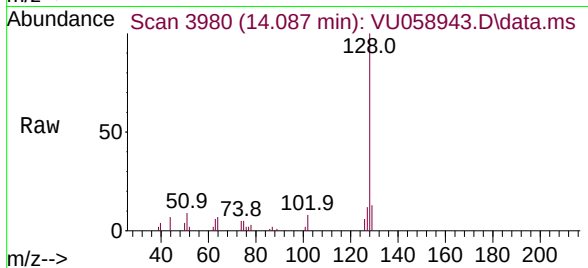
Acq: 23 May 2024 11:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp:	17289
Ion Ratio	Lower	Upper
128	100	
127	11.8	10.8 16.2
129	8.9	8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 5.171 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VU058943.D

Acq: 23 May 2024 11:12

Tgt Ion:180	Resp:	7688
Ion Ratio	Lower	Upper
180	100	
182	85.8	76.1 114.1
145	30.8	26.2 39.2

