

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058964.D
 Acq On : 24 May 2024 10:44
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 24 22:22:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:52:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	183648	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	185312	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	93536	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87508	45.053	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.100%
7) Chloroethane-d5	1.908	69	87015	53.905	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.800%
11) 1,1-Dichloroethene-d2	2.560	63	141885	47.813	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.620%
21) 2-Butanone-d5	4.621	46	134197	100.583	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.580%
24) Chloroform-d	5.052	84	162023	48.632	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.260%
26) 1,2-Dichloroethane-d4	5.692	65	99892	49.026	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.060%
32) Benzene-d6	5.718	84	326038	51.607	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.220%
36) 1,2-Dichloropropane-d6	6.682	67	104927	50.284	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.560%
41) Toluene-d8	7.891	98	290744	51.342	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.680%
43) trans-1,3-Dichloroprop...	8.174	79	45242	48.285	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.560%
47) 2-Hexanone-d5	8.628	63	87956	101.916	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.920%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	157717	50.240	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.480%
66) 1,2-Dichlorobenzene-d4	12.187	152	97207	50.366	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	58682	47.759	ug/L	100
3) Chloromethane	1.515	50	63042	47.882	ug/L	96
5) Vinyl chloride	1.599	62	69311	45.081	ug/L	98
6) Bromomethane	1.853	94	41519	45.560	ug/L	98
8) Chloroethane	1.927	64	61182	58.026	ug/L	99
9) Trichlorofluoromethane	2.126	101	103876	49.674	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	70288	49.446	ug/L	99
12) 1,1-Dichloroethene	2.570	96	53876	47.355	ug/L	89
13) Acetone	2.631	43	102574	87.198	ug/L	99
14) Carbon disulfide	2.785	76	93714	43.782	ug/L	99
15) Methyl Acetate	2.943	43	93604	49.377	ug/L	98
16) Methylene chloride	3.036	84	77284	42.585	ug/L	100
17) trans-1,2-Dichloroethene	3.345	96	53725	47.006	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	228551	50.520	ug/L	100
19) 1,1-Dichloroethane	3.859	63	143546	49.302	ug/L	97
20) cis-1,2-Dichloroethene	4.654	96	74501	49.244	ug/L	97
22) 2-Butanone	4.699	43	142323	92.879	ug/L	99
23) Bromochloromethane	4.965	128	37771	47.892	ug/L	95
25) Chloroform	5.078	83	150826	49.064	ug/L	96

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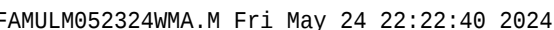
Instrument :
 MSVOA_U
 ClientSampleId :

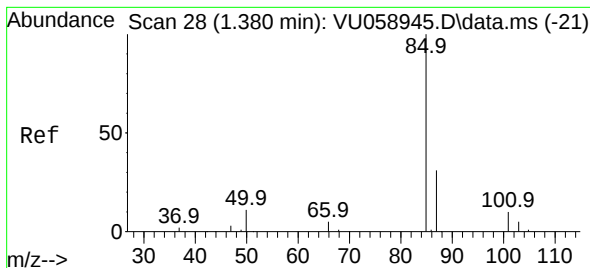
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 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:52:32 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	115455	49.205	ug/L	98
29) Cyclohexane	5.380	56	81035	51.376	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	113943	51.230	ug/L	98
31) Carbon tetrachloride	5.515	117	90079	50.142	ug/L	100
33) Benzene	5.766	78	291558	52.334	ug/L	100
34) Trichloroethene	6.535	95	76434	51.692	ug/L	98
35) Methylcyclohexane	6.756	83	84649	48.843	ug/L	98
37) 1,2-Dichloropropane	6.782	63	92352	51.006	ug/L	99
38) Bromodichloromethane	7.097	83	114558	50.911	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	125060	50.145	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	275399	106.699	ug/L	99
42) Toluene	7.962	91	306872	51.387	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	116783	49.465	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	89530	50.086	ug/L	99
46) Tetrachloroethene	8.547	164	47051	47.725	ug/L	99
48) 2-Hexanone	8.679	43	220302	103.661	ug/L	97
49) Dibromochloromethane	8.801	129	85260	49.913	ug/L	96
50) 1,2-Dibromoethane	8.917	107	84410	49.418	ug/L	98
51) Chlorobenzene	9.441	112	192515	48.773	ug/L	98
52) Ethylbenzene	9.563	91	320063	49.525	ug/L	99
53) m,p-Xylene	9.689	106	117171	50.474	ug/L	100
54) o-Xylene	10.094	106	121220	52.173	ug/L	99
55) Styrene	10.110	104	217560	52.420	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.776	83	166948	51.827	ug/L	97
59) Bromoform	10.284	173	66347	53.517	ug/L	95
60) 1,2,3-Trichloropropane	10.817	75	130784	54.944	ug/L	98
61) Isopropylbenzene	10.480	105	322574	54.006	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	250598	53.255	ug/L	100
63) 1,2,4-Trimethylbenzene	11.464	105	258585	54.489	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	150757	48.617	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	155379	49.610	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	159501	50.571	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.988	75	32851	51.015	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	101578	46.507	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	83135	44.191	ug/L	98
71) Naphthalene	14.081	128	246328	44.892	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	91981	47.735	ug/L	98

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

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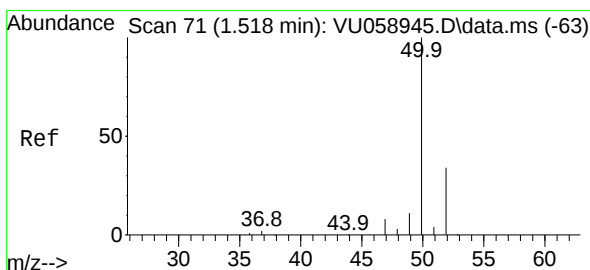
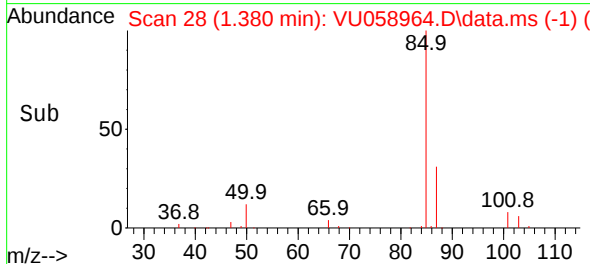
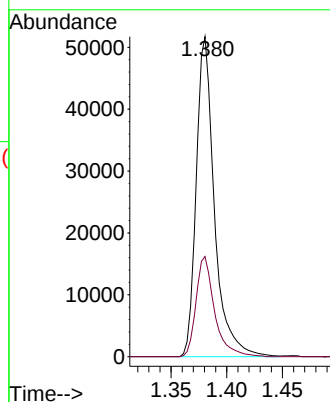
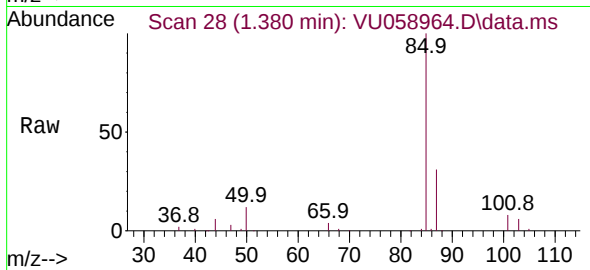




#2
 Dichlorodifluoromethane
 Concen: 47.759 ug/L
 RT: 1.380 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU058964.D
 Acq: 24 May 2024 10:44

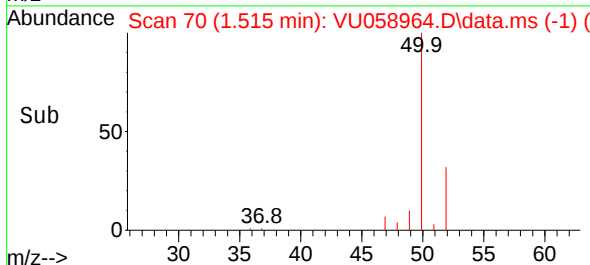
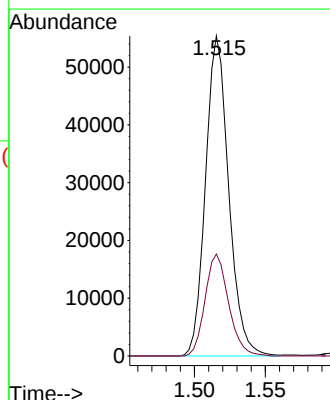
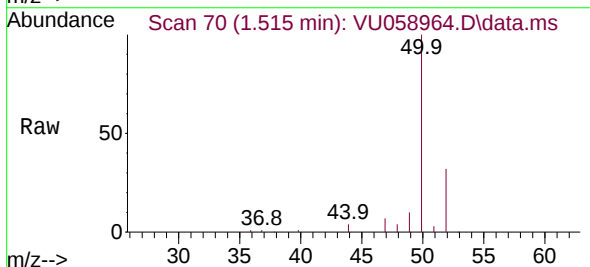
Instrument :
 MSVOA_U
 ClientSampleId :

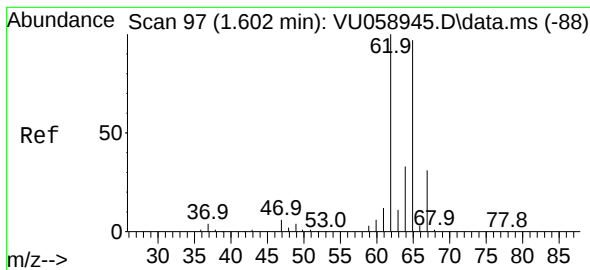
Tgt Ion: 85 Resp: 58682
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.7 38.5



#3
 Chloromethane
 Concen: 47.882 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU058964.D
 Acq: 24 May 2024 10:44

Tgt Ion: 50 Resp: 63042
 Ion Ratio Lower Upper
 50 100
 52 31.9 23.9 44.3





#5

Vinyl chloride

Concen: 45.081 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

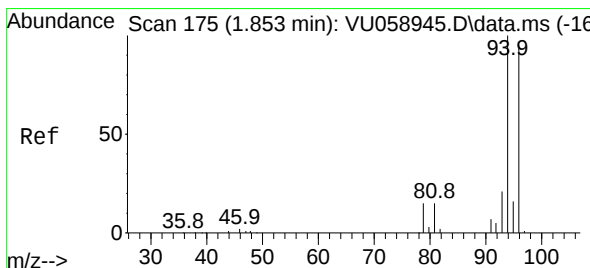
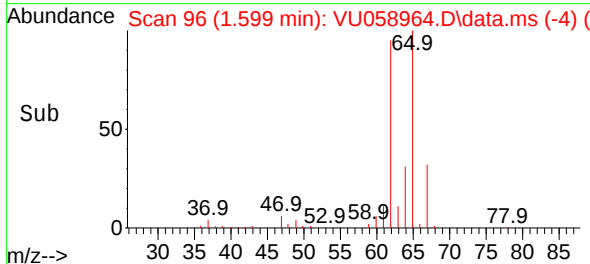
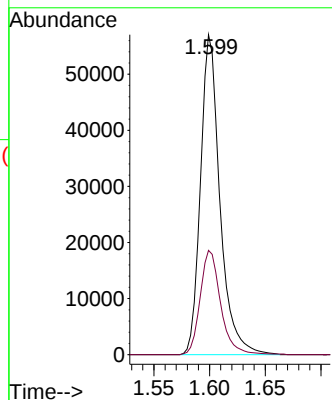
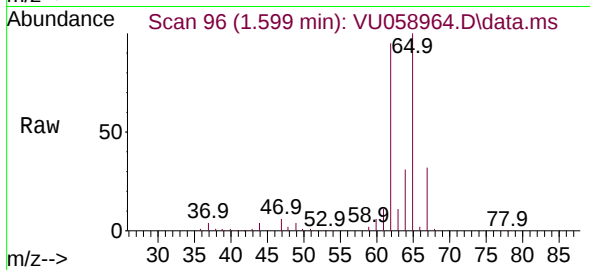
ClientSampleId :

Tgt Ion: 62 Resp: 69311

Ion Ratio Lower Upper

62 100

64 32.6 23.7 43.9



#6

Bromomethane

Concen: 45.560 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU058964.D

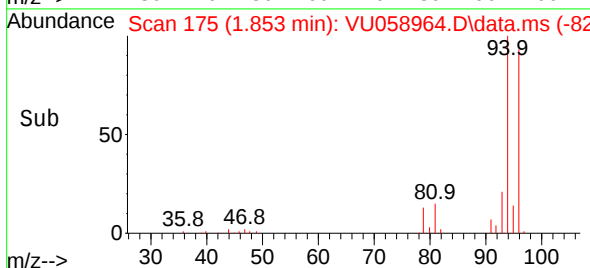
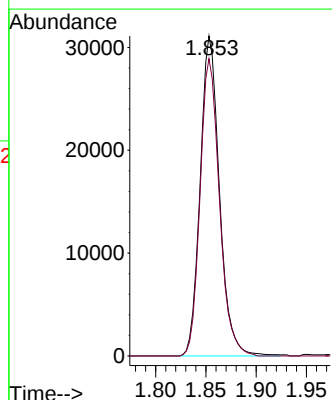
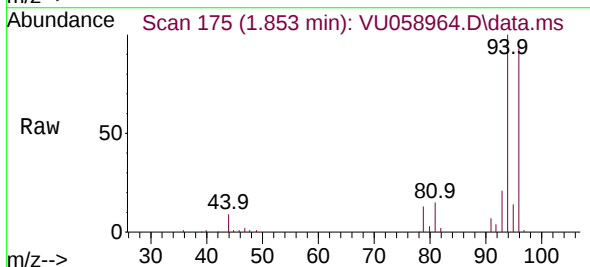
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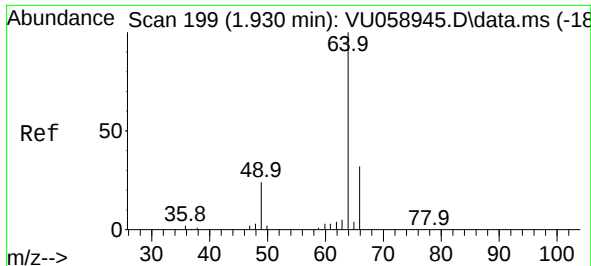
Tgt Ion: 94 Resp: 41519

Ion Ratio Lower Upper

94 100

96 92.9 66.6 123.6

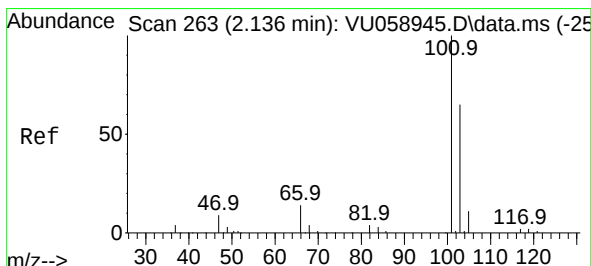
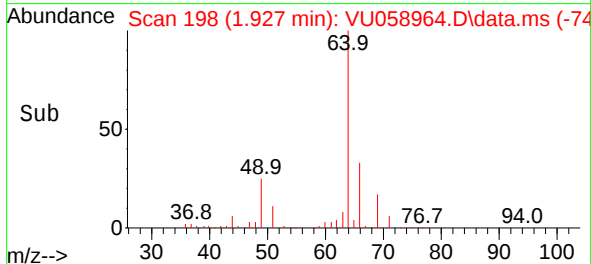
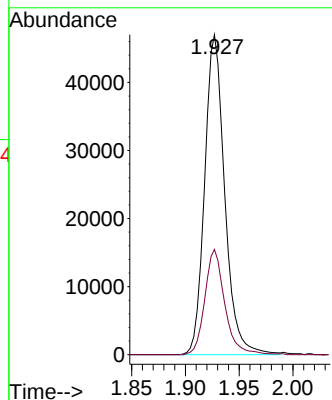
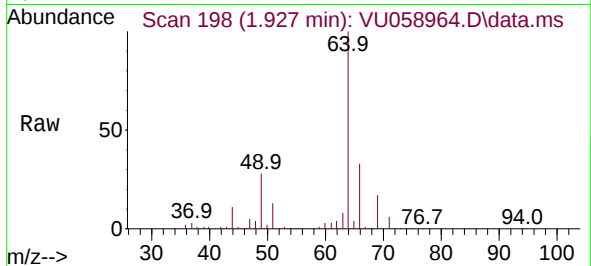




#8
Chloroethane
Concen: 58.026 ug/L
RT: 1.927 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

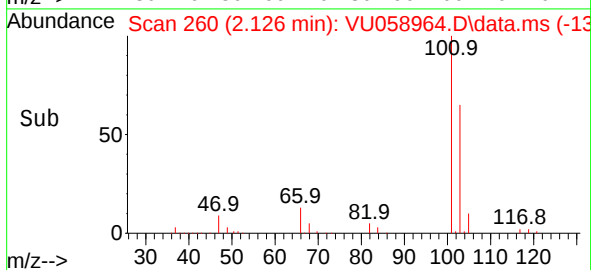
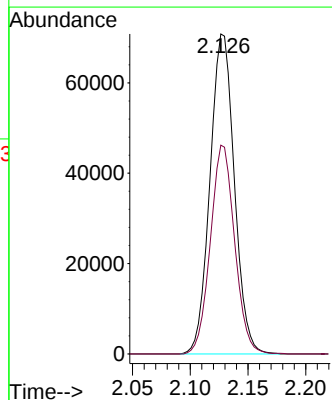
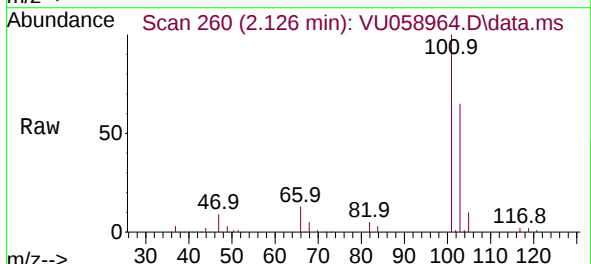
Instrument :
MSVOA_U
ClientSampleId :

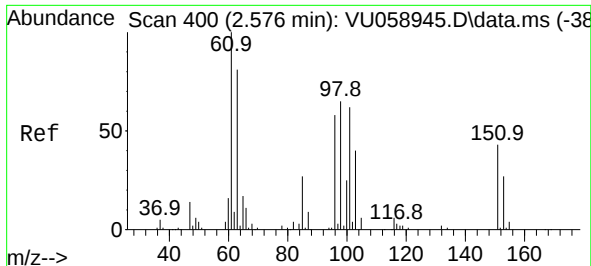
Tgt Ion: 64 Resp: 61182
Ion Ratio Lower Upper
64 100
66 32.9 22.7 42.1



#9
Trichlorofluoromethane
Concen: 49.674 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.009 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

Tgt Ion:101 Resp: 103876
Ion Ratio Lower Upper
101 100
103 64.9 51.6 77.4

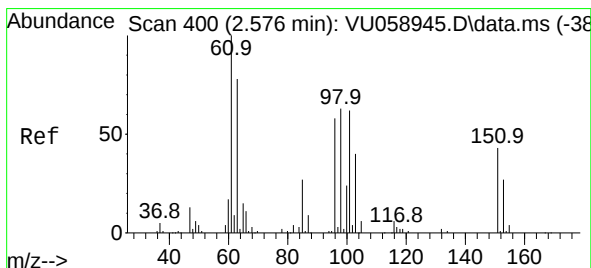
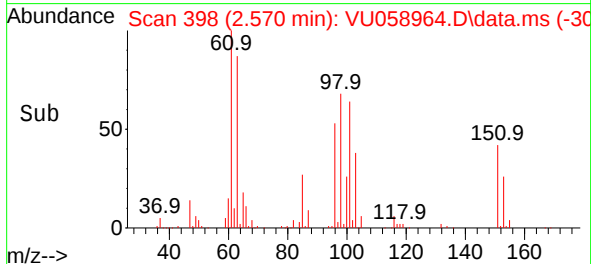
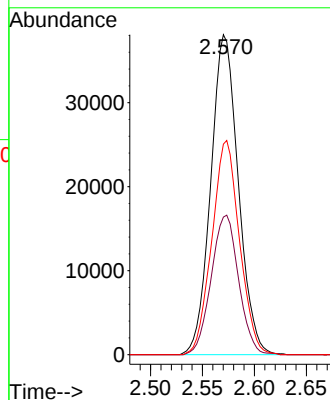
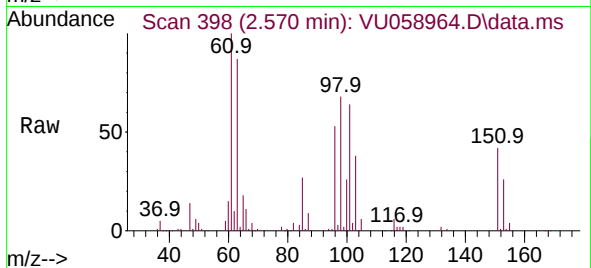




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.446 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.006 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

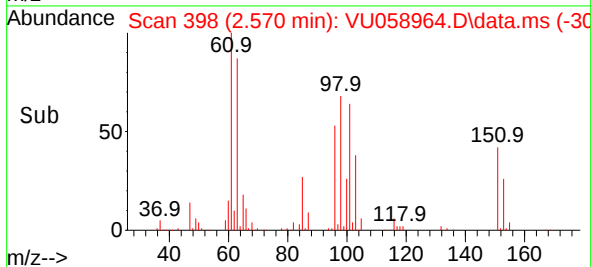
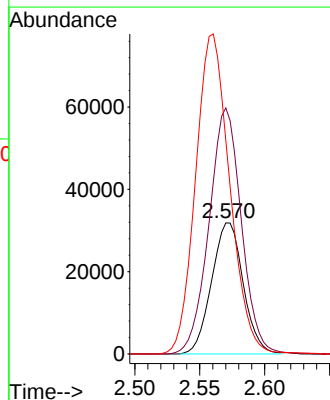
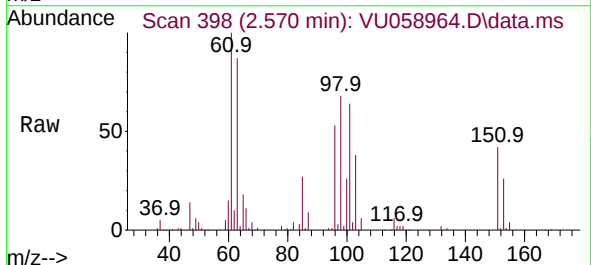
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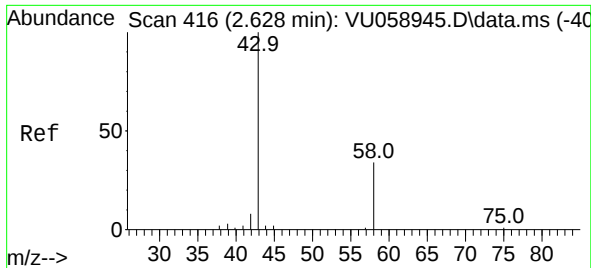
Tgt Ion:101 Resp: 70288
Ion Ratio Lower Upper
101 100
85 43.4 34.9 52.3
151 67.2 54.5 81.7



#12
1,1-Dichloroethene
Concen: 47.355 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.006 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

Tgt Ion: 96 Resp: 53876
Ion Ratio Lower Upper
96 100
61 187.7 122.2 227.0
63 163.0 102.8 190.8





#13

Acetone

Concen: 87.198 ug/L

RT: 2.631 min Scan# 41

Delta R.T. 0.004 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

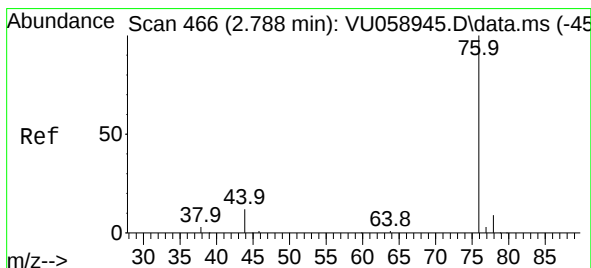
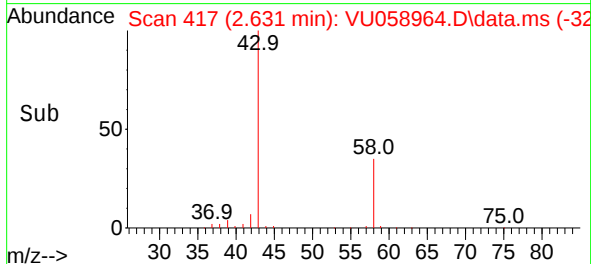
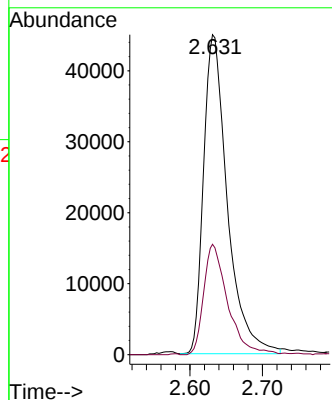
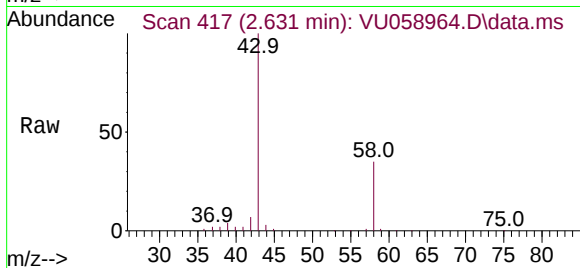
ClientSampleId :

Tgt Ion: 43 Resp: 102574

Ion Ratio Lower Upper

43 100

58 34.1 0.0 67.2



#14

Carbon disulfide

Concen: 43.782 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU058964.D

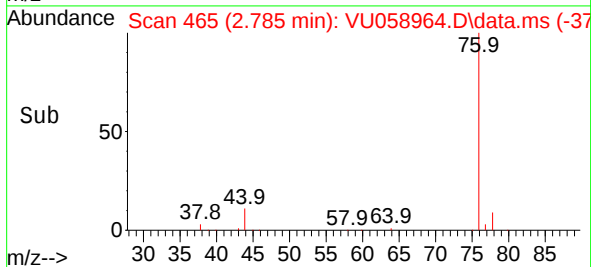
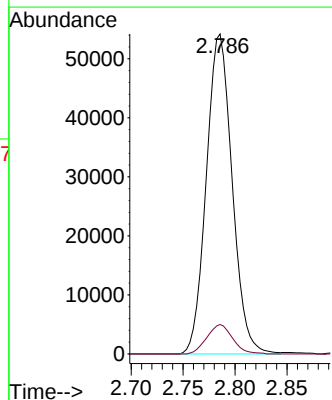
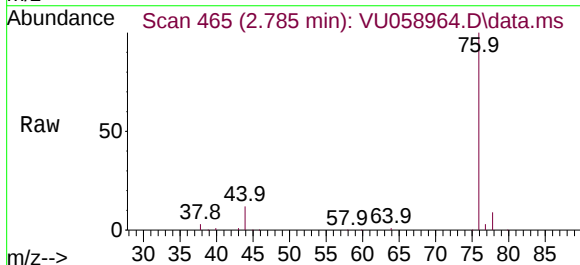
Acq: 24 May 2024 10:44

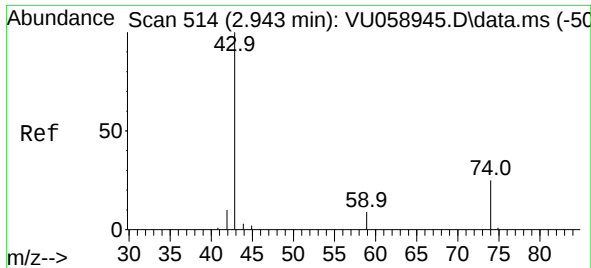
Tgt Ion: 76 Resp: 93714

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#15

Methyl Acetate

Concen: 49.377 ug/L

RT: 2.943 min Scan# 514

Delta R.T. 0.000 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

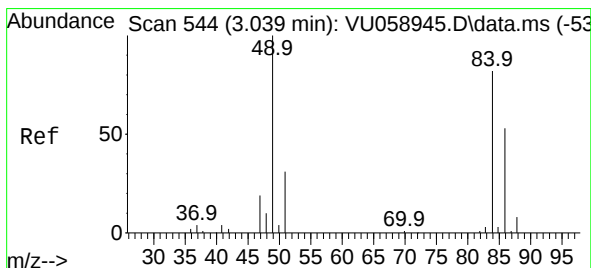
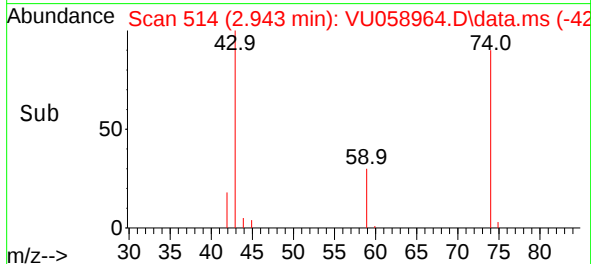
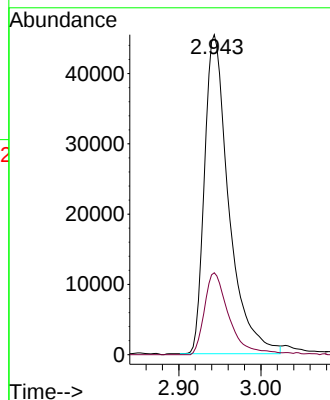
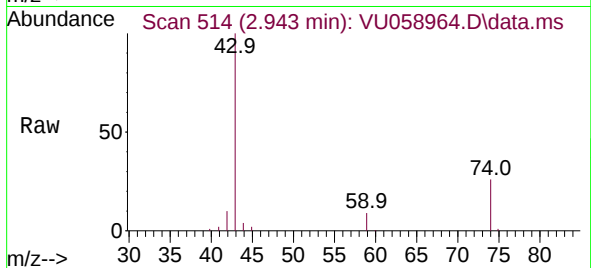
ClientSampleId :

Tgt Ion: 43 Resp: 93604

Ion Ratio Lower Upper

43 100

74 25.8 19.8 29.8



#16

Methylene chloride

Concen: 42.585 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

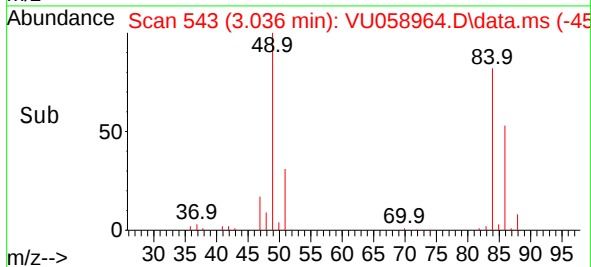
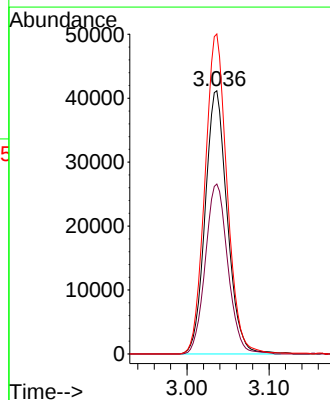
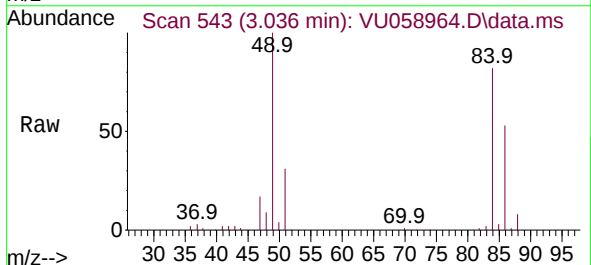
Tgt Ion: 84 Resp: 77284

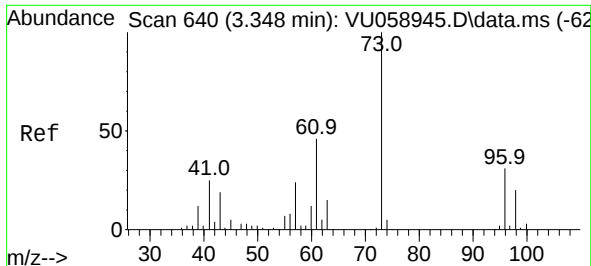
Ion Ratio Lower Upper

84 100

86 64.6 44.9 83.5

49 121.6 85.4 158.6





#17

trans-1,2-Dichloroethene

Concen: 47.006 ug/L

RT: 3.345 min Scan# 640

Delta R.T. -0.003 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

ClientSampleId :

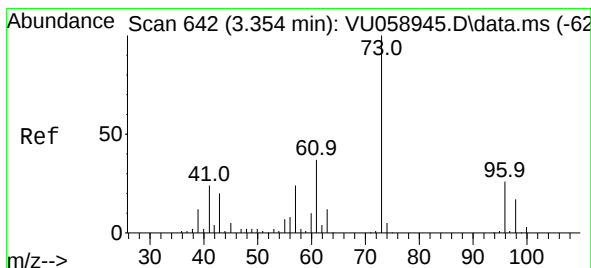
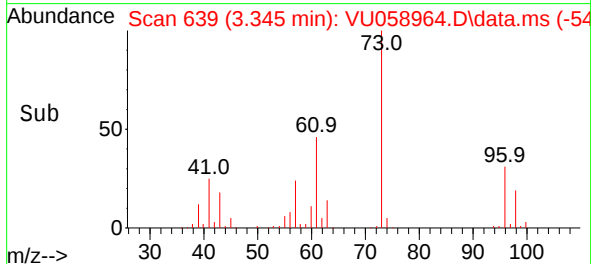
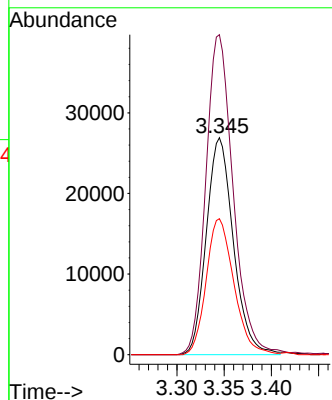
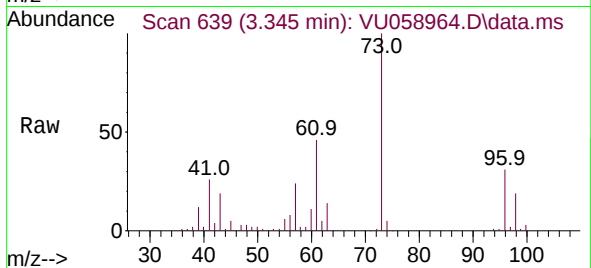
Tgt Ion: 96 Resp: 53725

Ion Ratio Lower Upper

96 100

61 147.5 103.5 192.1

98 62.7 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 50.520 ug/L

RT: 3.351 min Scan# 641

Delta R.T. -0.003 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

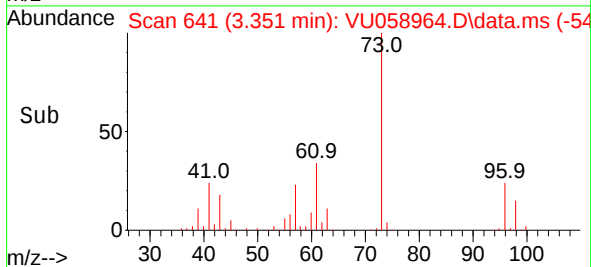
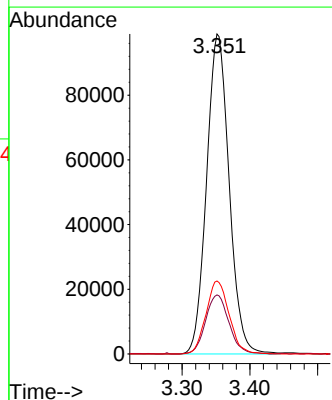
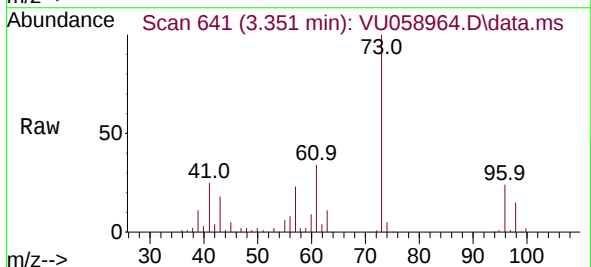
Tgt Ion: 73 Resp: 228551

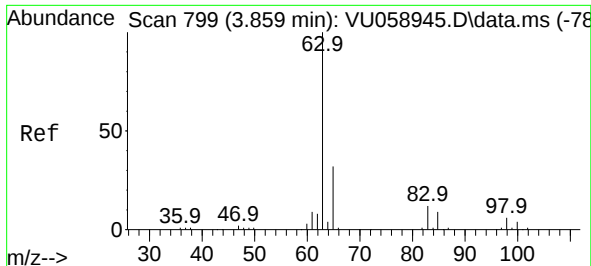
Ion Ratio Lower Upper

73 100

43 19.1 15.4 23.2

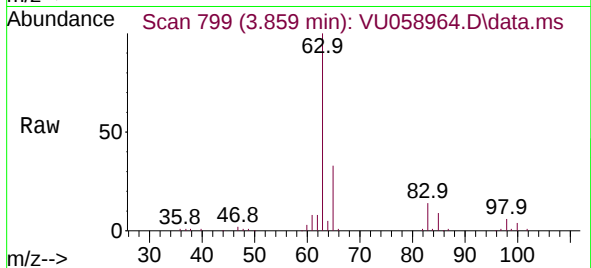
57 23.4 18.6 27.8



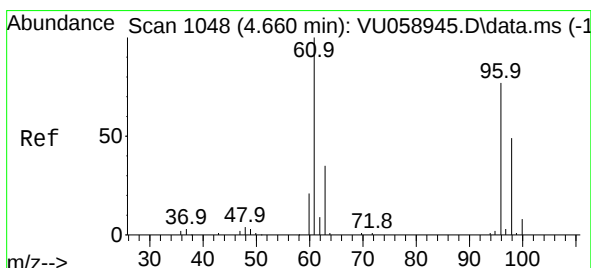
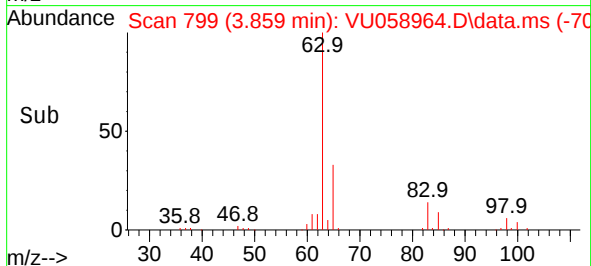
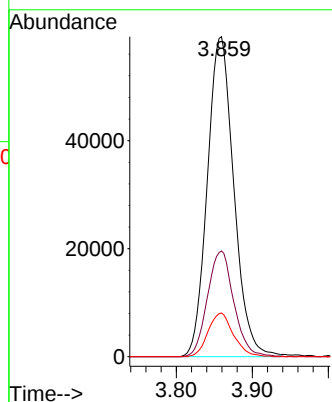


#19
1,1-Dichloroethane
Concen: 49.302 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

Instrument :
MSVOA_U
ClientSampleId :

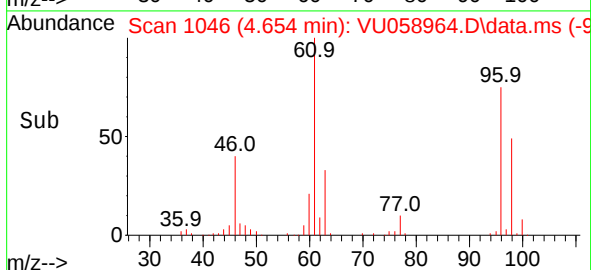
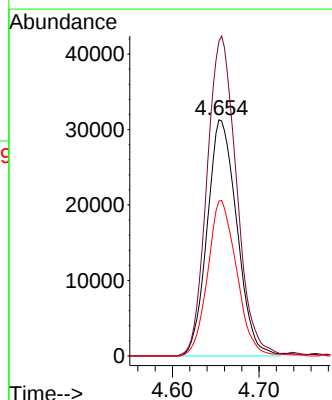
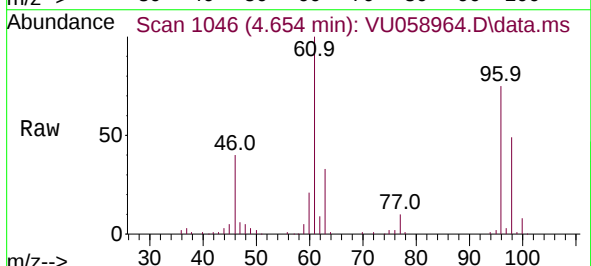


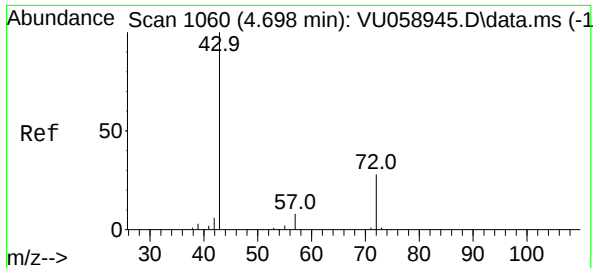
Tgt Ion: 63 Resp: 143546
Ion Ratio Lower Upper
63 100
65 33.0 22.3 41.3
83 13.6 8.5 15.9



#20
cis-1,2-Dichloroethene
Concen: 49.244 ug/L
RT: 4.654 min Scan# 1046
Delta R.T. -0.006 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

Tgt Ion: 96 Resp: 74501
Ion Ratio Lower Upper
96 100
61 133.2 91.1 169.3
98 65.6 44.4 82.4

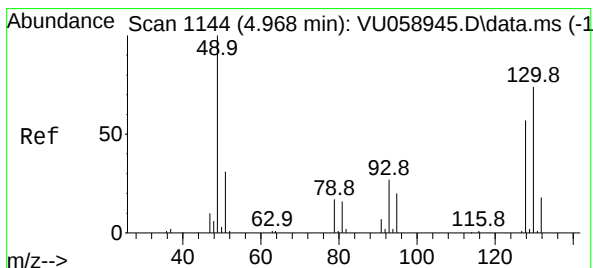
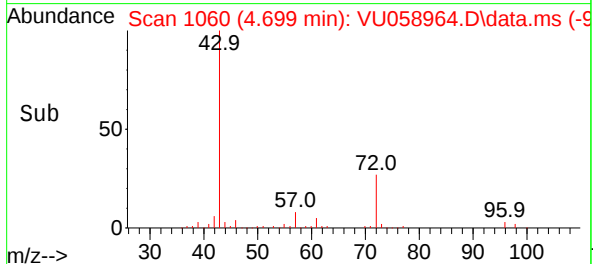
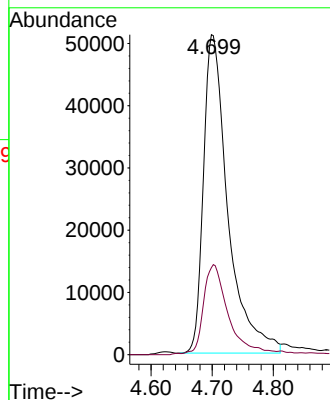
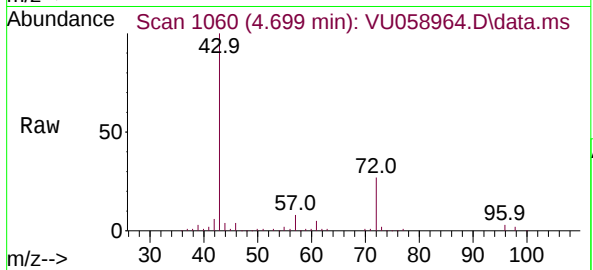




#22
2-Butanone
Concen: 92.879 ug/L
RT: 4.699 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

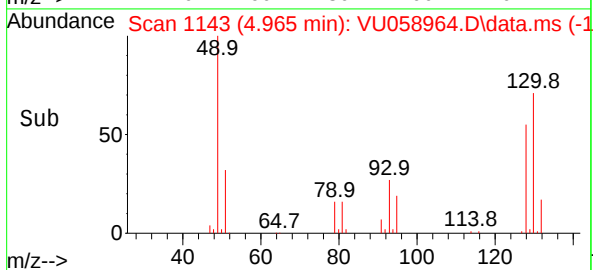
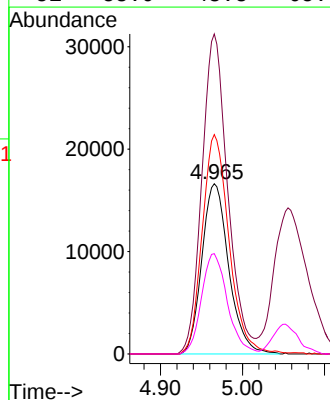
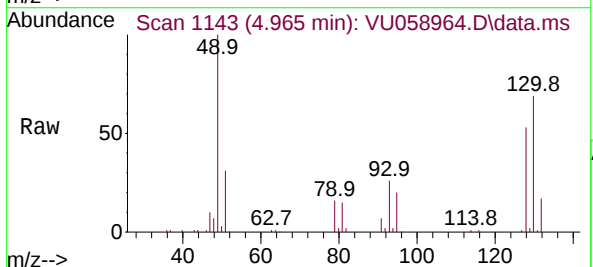
Instrument :
MSVOA_U
ClientSampleId :

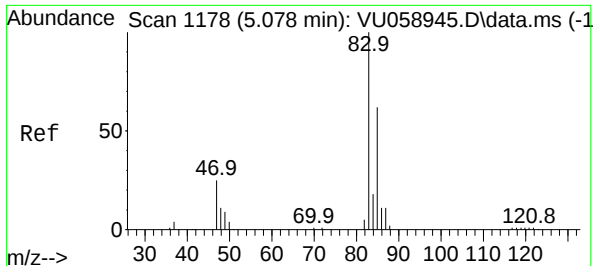
Tgt Ion: 43 Resp: 142323
Ion Ratio Lower Upper
43 100
72 27.5 13.9 41.7



#23
Bromochloromethane
Concen: 47.892 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

Tgt Ion:128 Resp: 37771
Ion Ratio Lower Upper
128 100
49 187.9 123.8 229.8
130 128.8 90.6 168.2
51 58.9 43.8 65.6





#25

Chloroform

Concen: 49.064 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

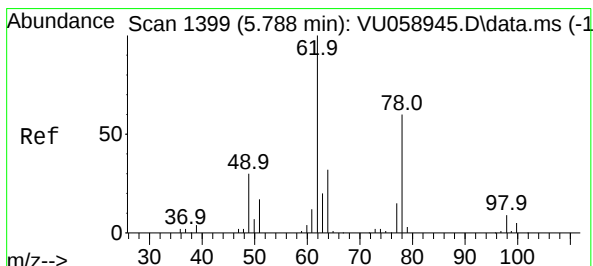
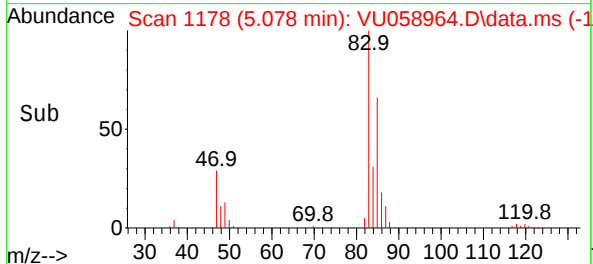
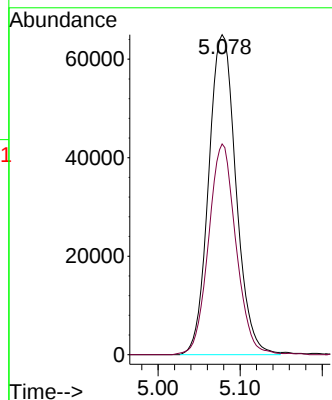
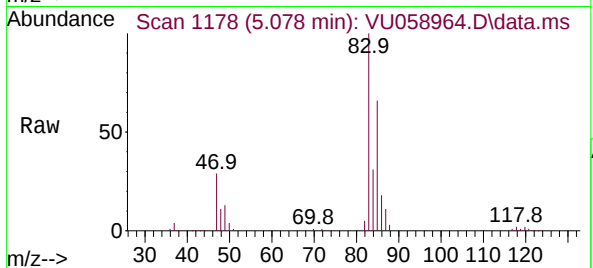
ClientSampleId :

Tgt Ion: 83 Resp: 150826

Ion Ratio Lower Upper

83 100

85 65.9 43.8 81.3



#27

1,2-Dichloroethane

Concen: 49.205 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU058964.D

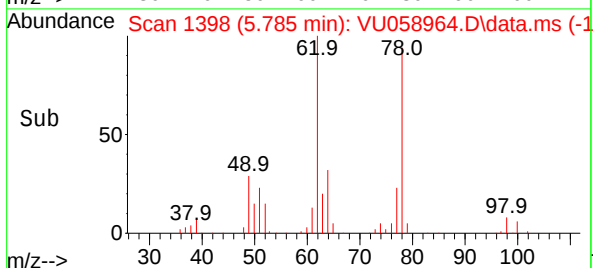
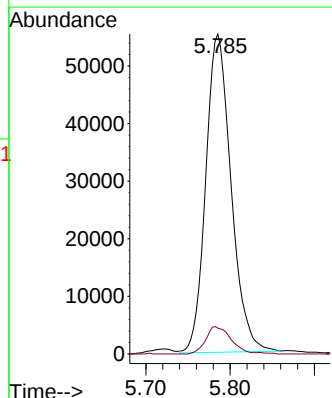
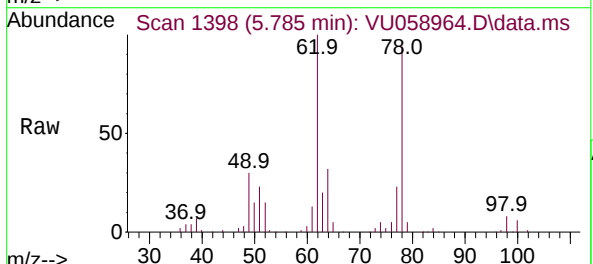
Acq: 24 May 2024 10:44

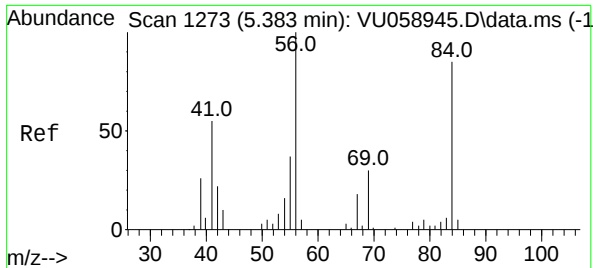
Tgt Ion: 62 Resp: 115455

Ion Ratio Lower Upper

62 100

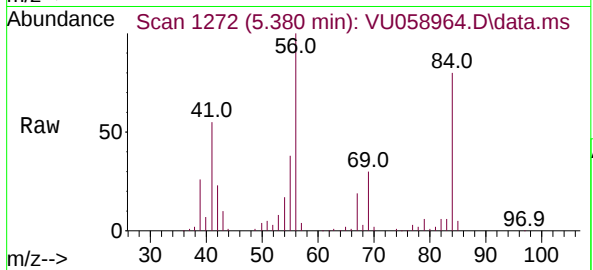
98 8.1 7.0 10.4



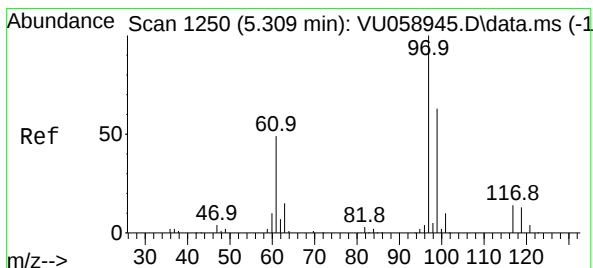
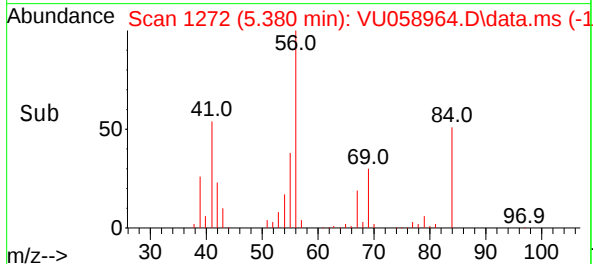
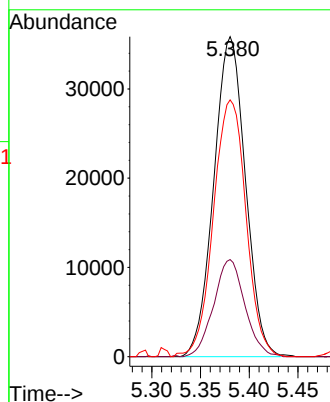


#29
Cyclohexane
Concen: 51.376 ug/L
RT: 5.380 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

Instrument :
MSVOA_U
ClientSampleId :

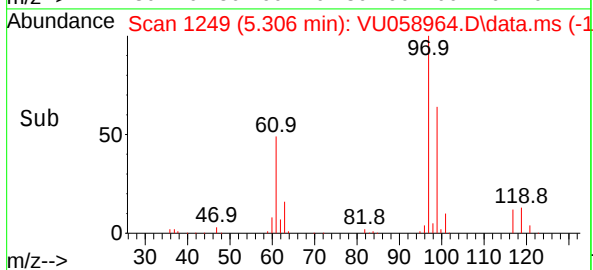
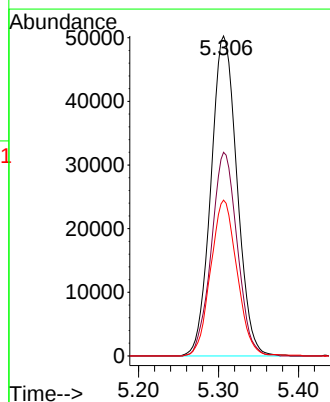
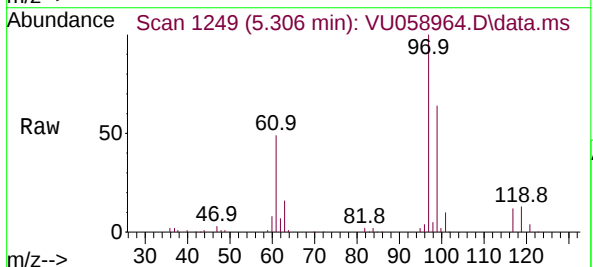


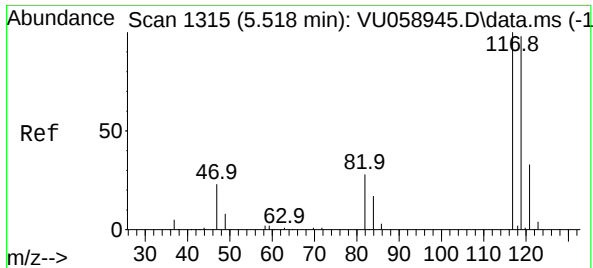
Tgt Ion: 56 Resp: 81035
Ion Ratio Lower Upper
56 100
69 29.9 24.3 36.5
84 82.2 66.7 100.1



#30
1,1,1-Trichloroethane
Concen: 51.230 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

Tgt Ion: 97 Resp: 113943
Ion Ratio Lower Upper
97 100
99 63.0 51.8 77.8
61 49.0 38.9 58.3

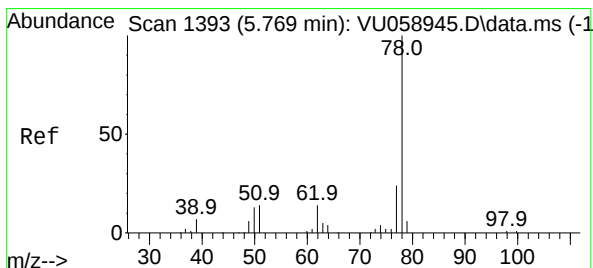
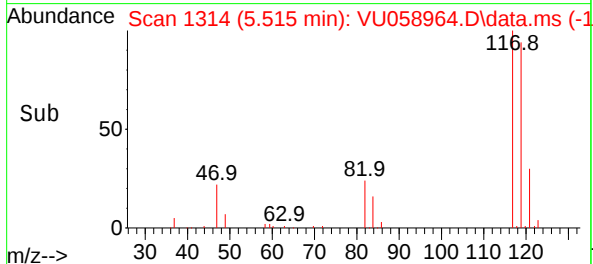
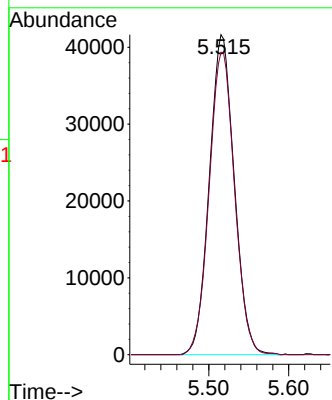
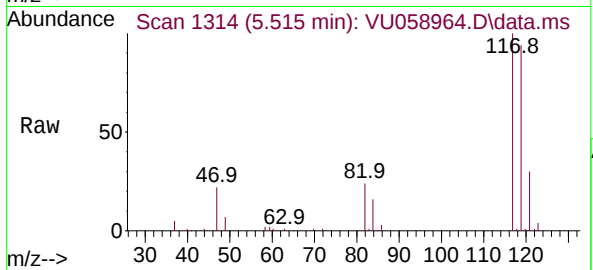




#31
Carbon tetrachloride
Concen: 50.142 ug/L
RT: 5.515 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

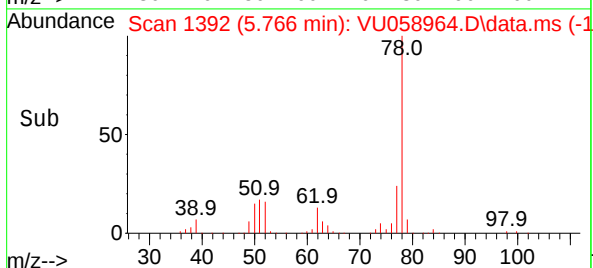
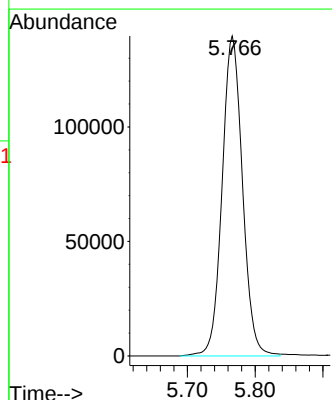
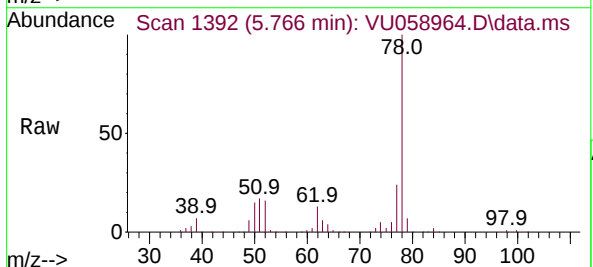
Instrument :
MSVOA_U
ClientSampleId :

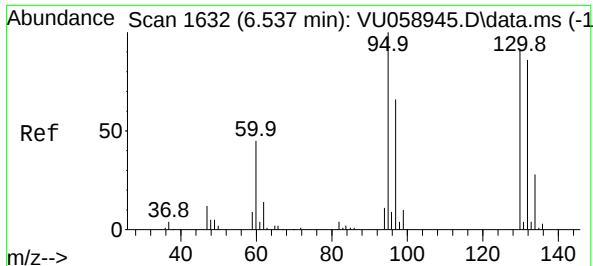
Tgt Ion:117 Resp: 90079
Ion Ratio Lower Upper
117 100
119 96.4 77.4 116.0



#33
Benzene
Concen: 52.334 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

Tgt Ion: 78 Resp: 291558





#34

Trichloroethene

Concen: 51.692 ug/L

RT: 6.535 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 76434

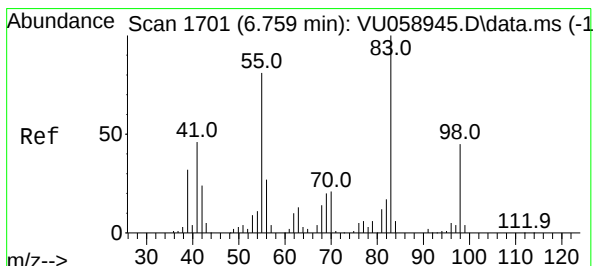
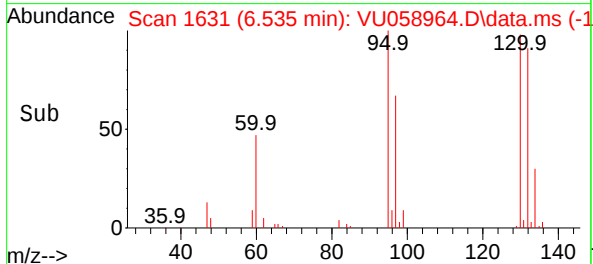
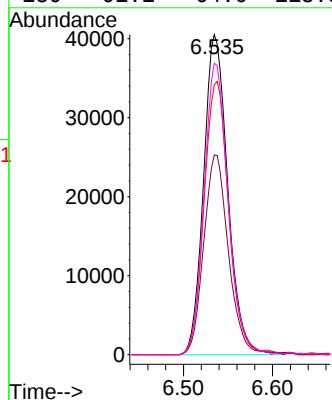
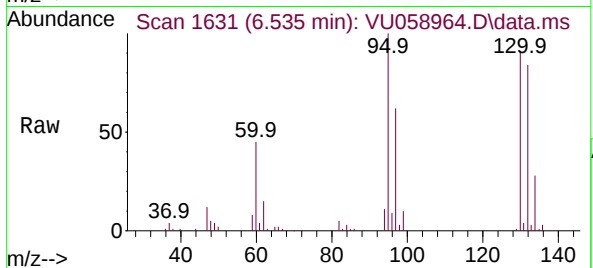
Ion Ratio Lower Upper

95 100

97 62.4 45.9 85.3

132 84.3 60.5 112.5

130 91.1 64.0 118.8



#35

Methylcyclohexane

Concen: 48.843 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

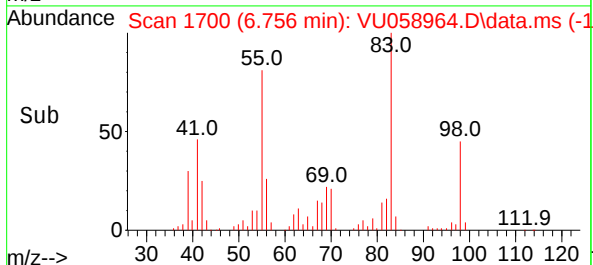
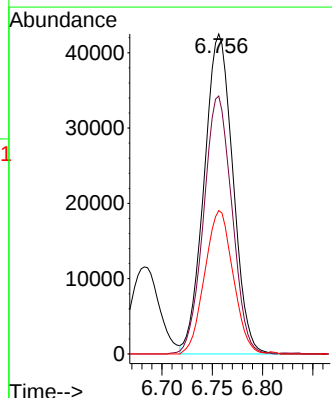
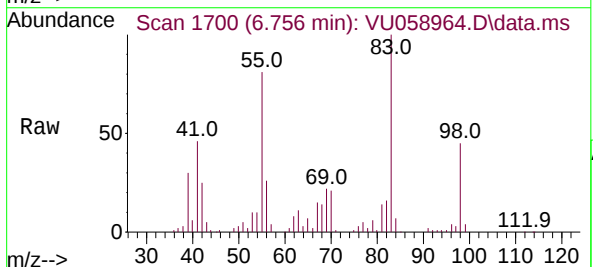
Tgt Ion: 83 Resp: 84649

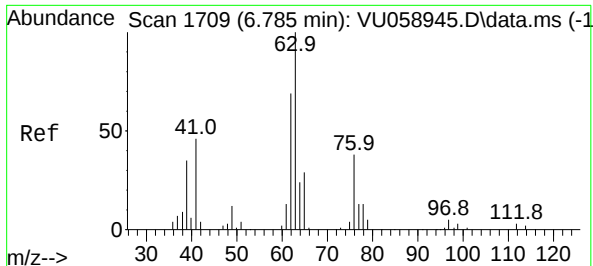
Ion Ratio Lower Upper

83 100

55 79.4 61.5 92.3

98 44.2 36.2 54.2

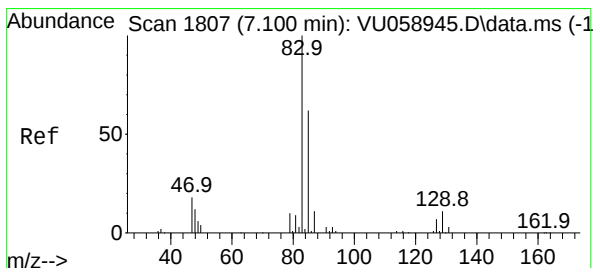
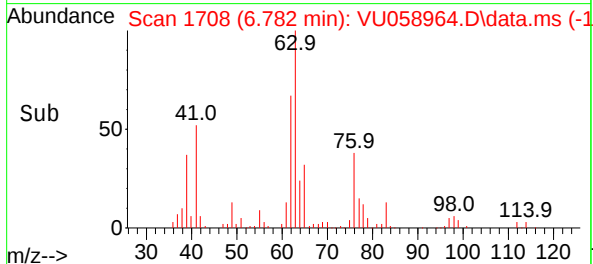
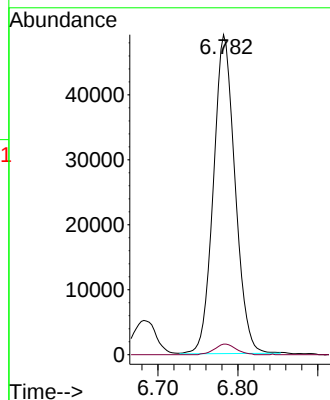
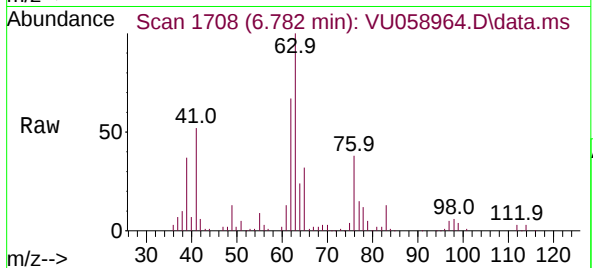




#37
1,2-Dichloropropane
Concen: 51.006 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

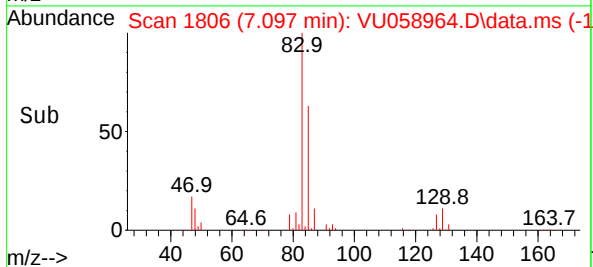
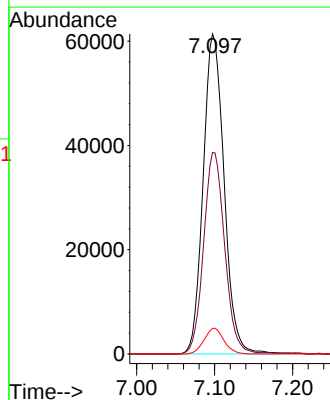
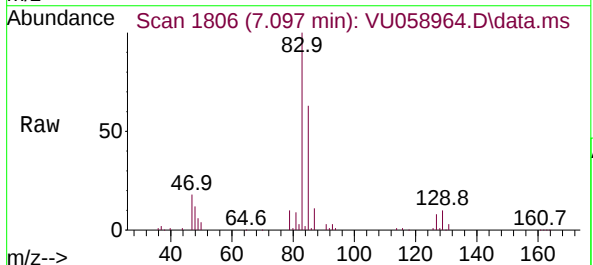
Instrument :
MSVOA_U
ClientSampleId :

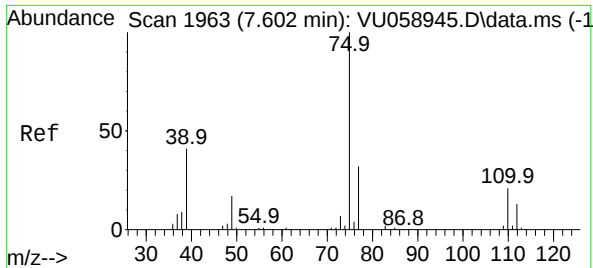
Tgt Ion: 63 Resp: 92352
Ion Ratio Lower Upper
63 100
112 3.3 2.5 3.7



#38
Bromodichloromethane
Concen: 50.911 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

Tgt Ion: 83 Resp: 114558
Ion Ratio Lower Upper
83 100
85 63.0 43.5 80.9
127 8.0 5.8 8.6

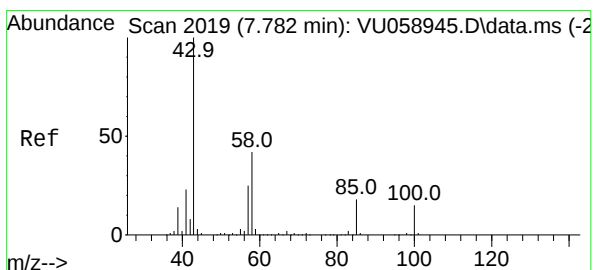
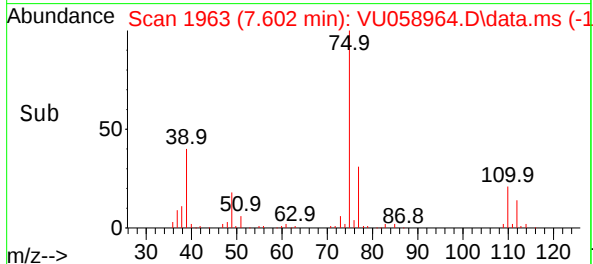
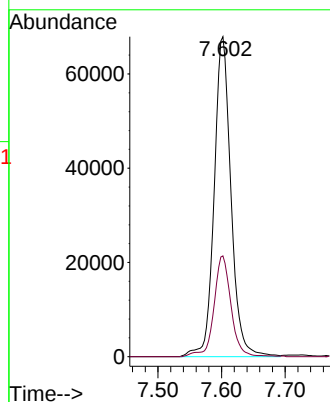
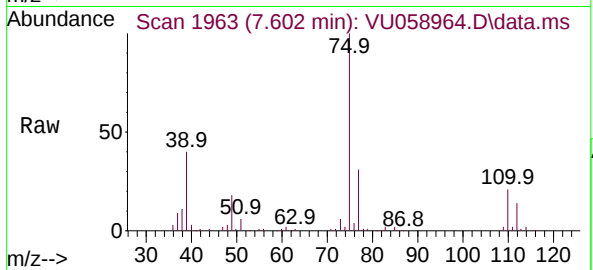




#39
 cis-1,3-Dichloropropene
 Concen: 50.145 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU058964.D
 Acq: 24 May 2024 10:44

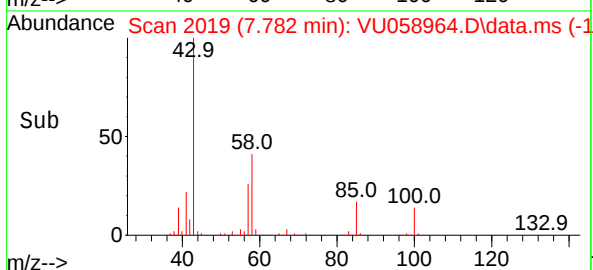
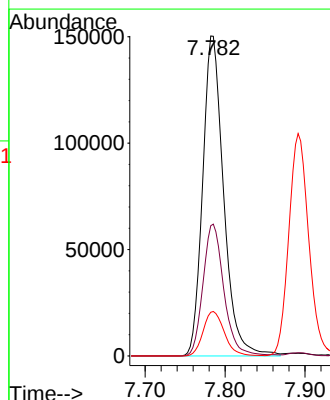
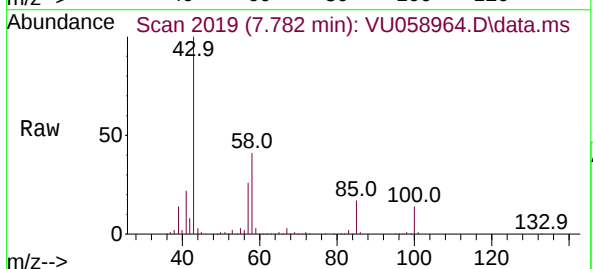
Instrument :
 MSVOA_U
 ClientSampleId :

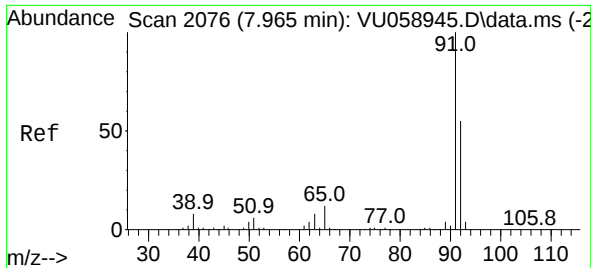
Tgt Ion: 75 Resp: 125060
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 106.699 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU058964.D
 Acq: 24 May 2024 10:44

Tgt Ion: 43 Resp: 275399
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.5 50.3
 100 14.1 11.8 17.8





#42

Toluene

Concen: 51.387 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

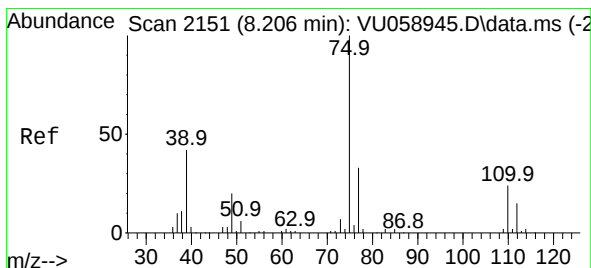
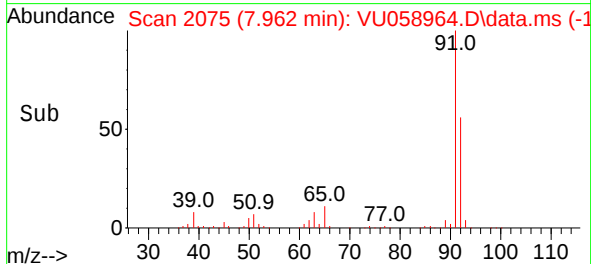
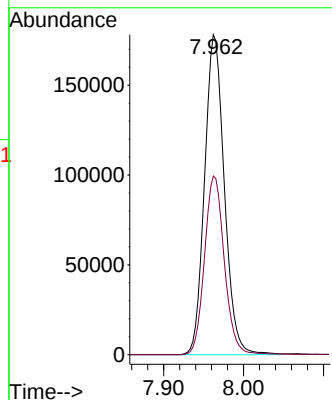
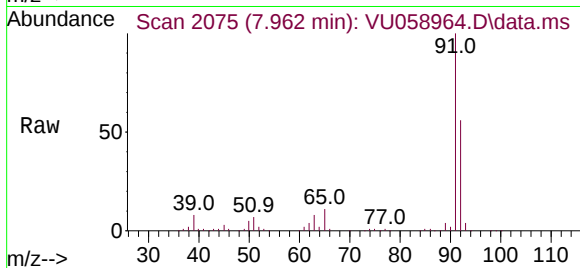
ClientSampleId :

Tgt Ion: 91 Resp: 306872

Ion Ratio Lower Upper

91 100

92 55.8 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 49.465 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU058964.D

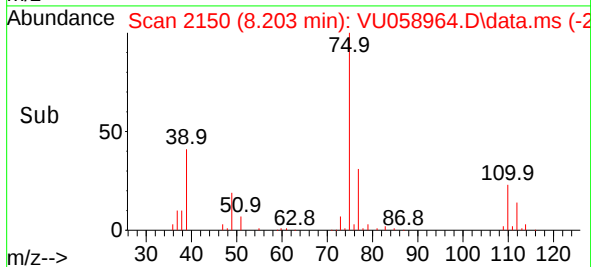
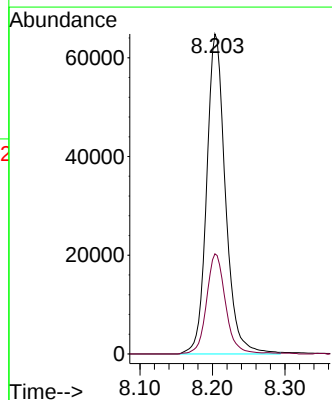
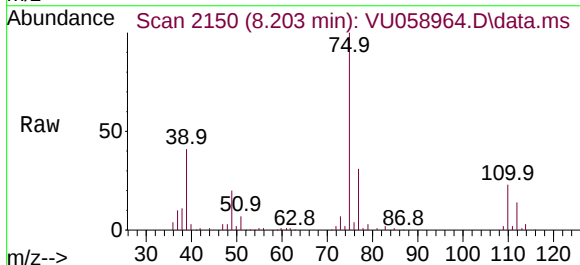
Acq: 24 May 2024 10:44

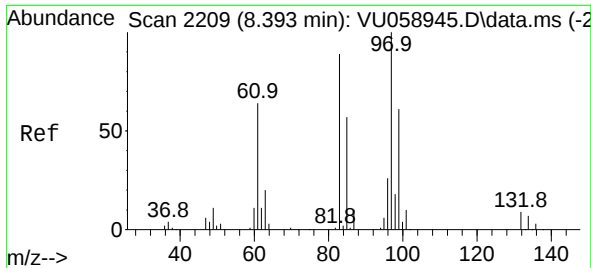
Tgt Ion: 75 Resp: 116783

Ion Ratio Lower Upper

75 100

77 31.3 23.0 42.8

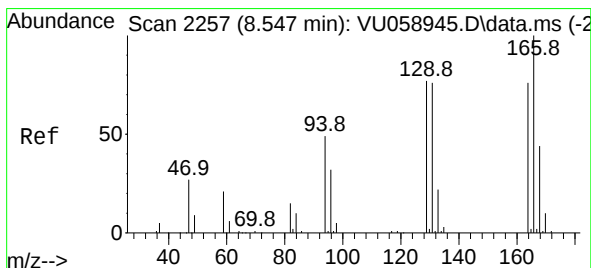
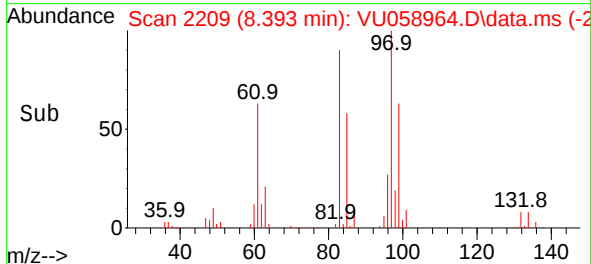
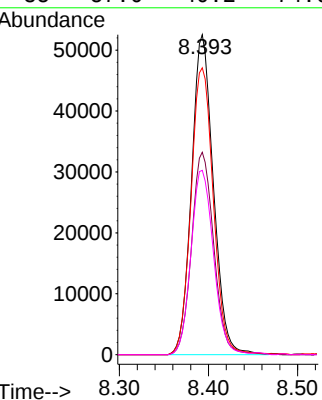
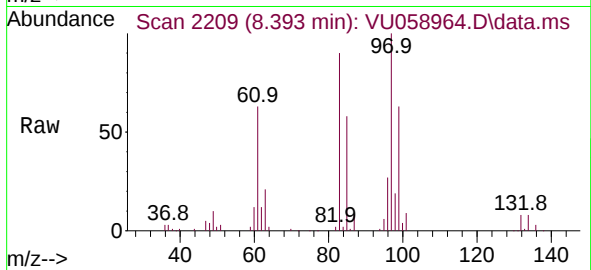




#45
1,1,2-Trichloroethane
Concen: 50.086 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

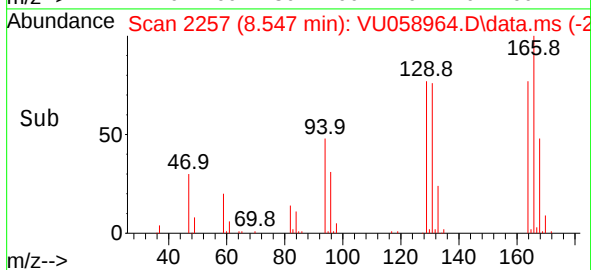
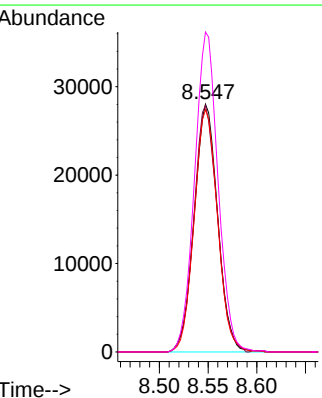
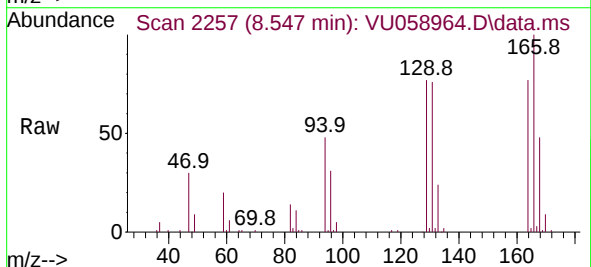
Instrument :
MSVOA_U
ClientSampleId :

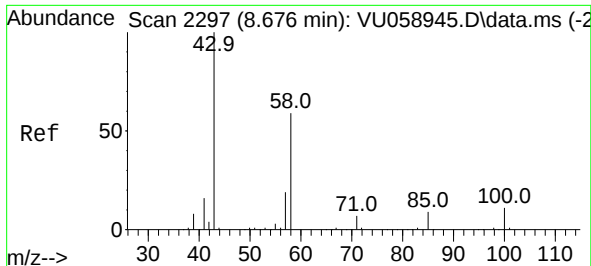
Tgt Ion:	97	Resp:	89530
Ion	Ratio	Lower	Upper
97	100		
99	63.3	42.6	79.2
83	89.7	62.2	115.6
85	57.6	40.2	74.6



#46
Tetrachloroethene
Concen: 47.725 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

Tgt Ion:	164	Resp:	47051
Ion	Ratio	Lower	Upper
164	100		
129	99.5	70.6	131.0
131	97.9	69.2	128.6
166	129.1	91.9	170.7





#48

2-Hexanone

Concen: 103.661 ug/L

RT: 8.679 min Scan# 2297

Delta R.T. 0.004 min

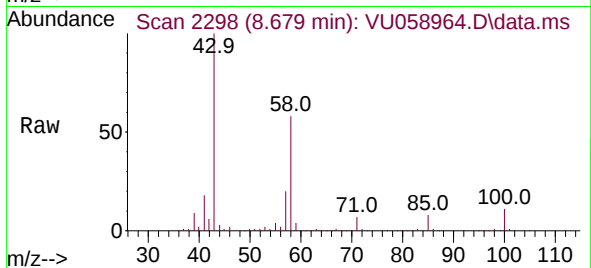
Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 220302

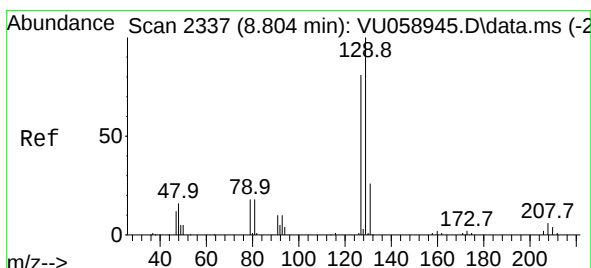
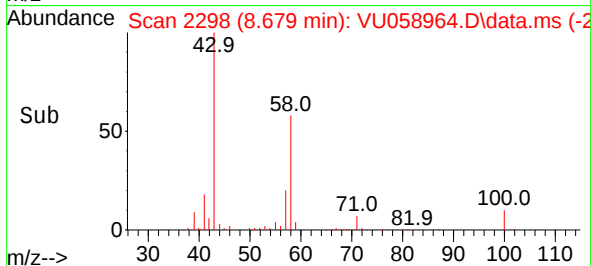
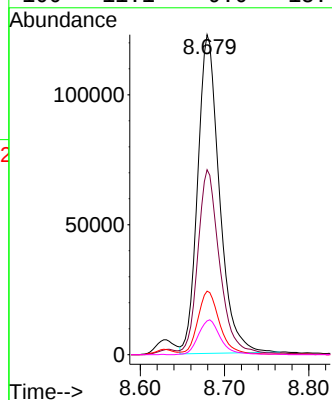
Ion Ratio Lower Upper

43 100

58 57.1 47.8 71.6

57 20.2 15.7 23.5

100 11.1 9.0 13.4



#49

Dibromochloromethane

Concen: 49.913 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.003 min

Lab File: VU058964.D

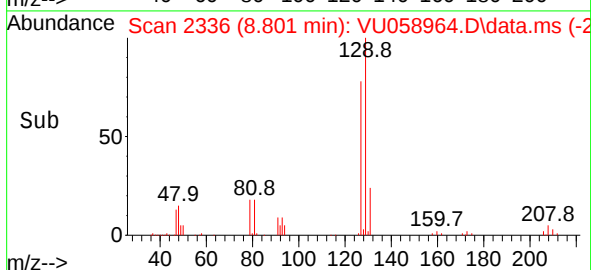
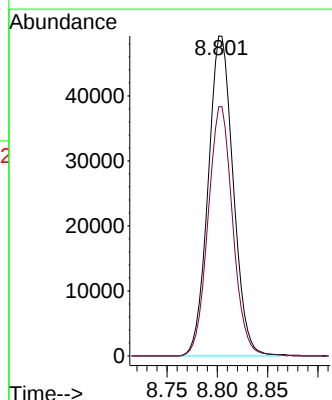
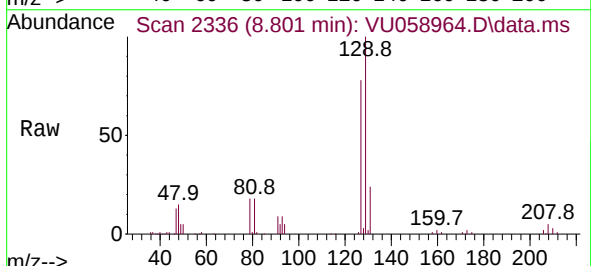
Acq: 24 May 2024 10:44

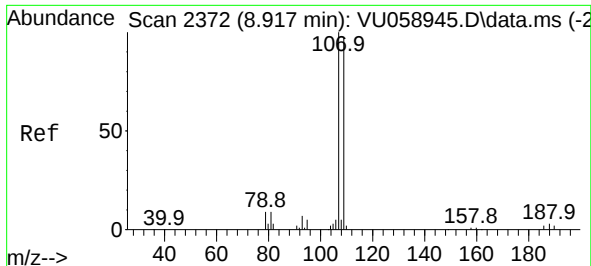
Tgt Ion: 129 Resp: 85260

Ion Ratio Lower Upper

129 100

127 77.9 56.8 105.4

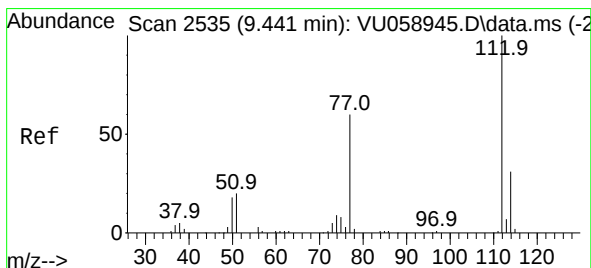
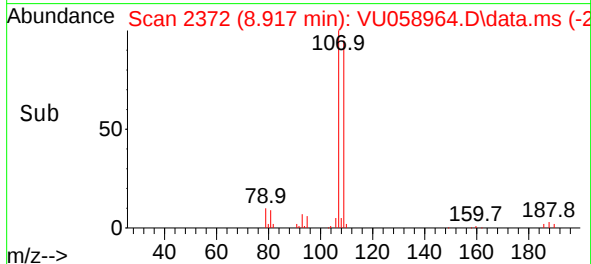
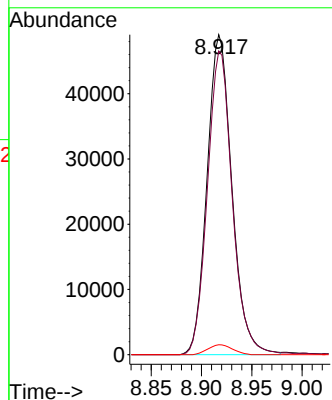
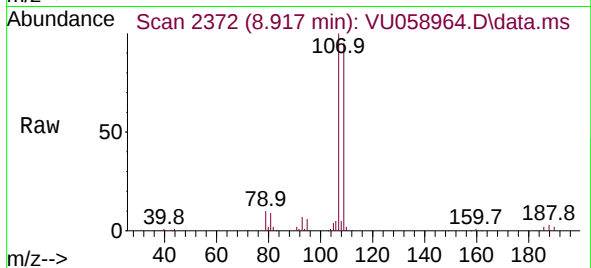




#50
1,2-Dibromoethane
Concen: 49.418 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

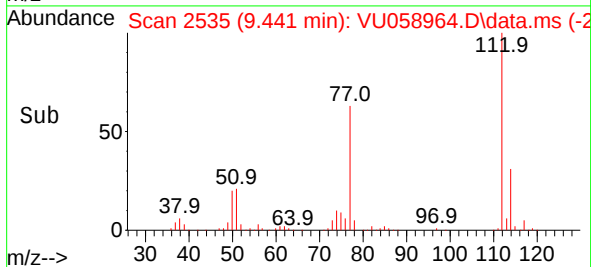
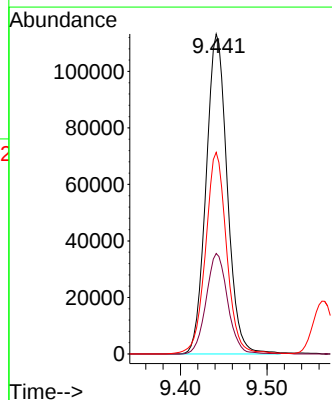
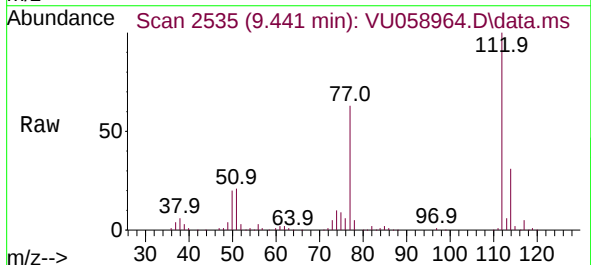
Instrument :
MSVOA_U
ClientSampleId :

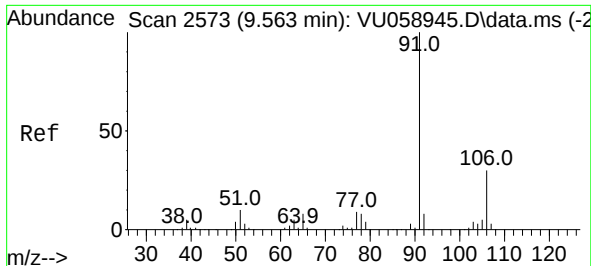
Tgt Ion:107 Resp: 84410
Ion Ratio Lower Upper
107 100
109 94.9 68.0 126.2
188 3.1 2.6 3.8



#51
Chlorobenzene
Concen: 48.773 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

Tgt Ion:112 Resp: 192515
Ion Ratio Lower Upper
112 100
114 31.4 21.8 40.6
77 63.0 48.8 73.2





#52

Ethylbenzene

Concen: 49.525 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

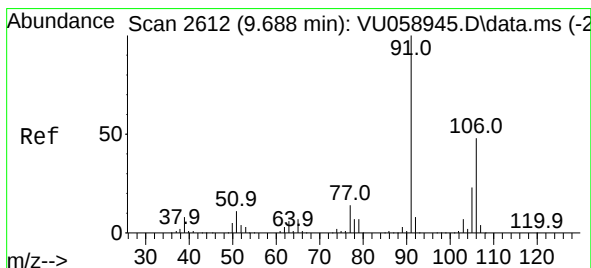
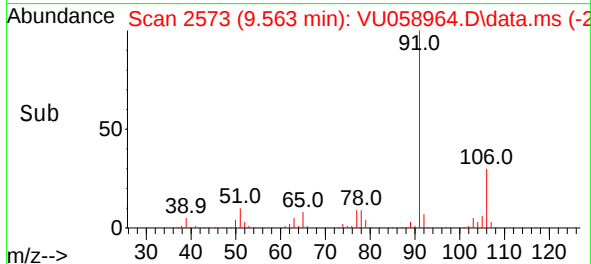
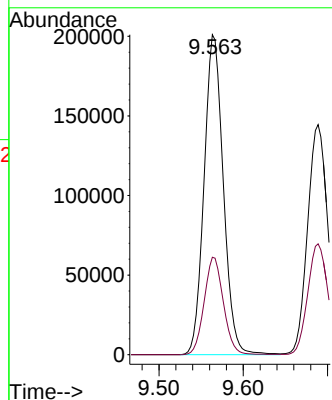
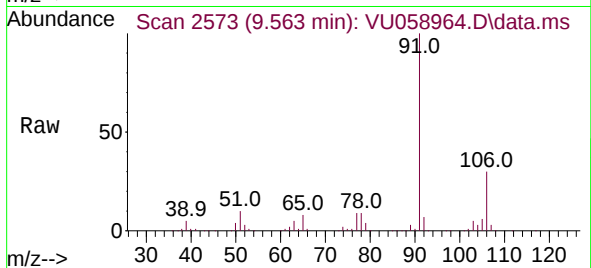
ClientSampleId :

Tgt Ion: 91 Resp: 320063

Ion Ratio Lower Upper

91 100

106 30.5 20.8 38.6



#53

m,p-Xylene

Concen: 50.474 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU058964.D

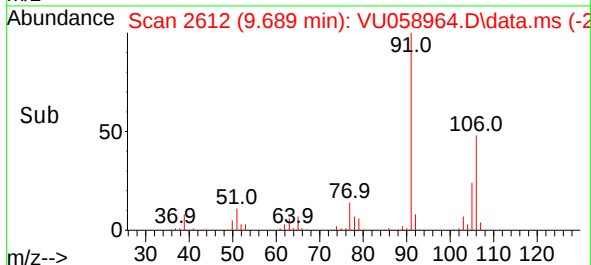
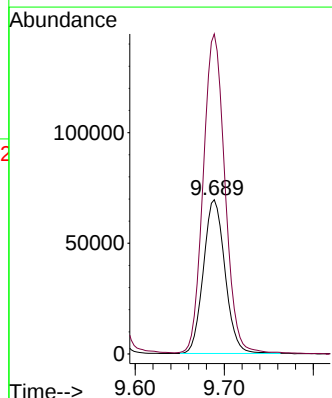
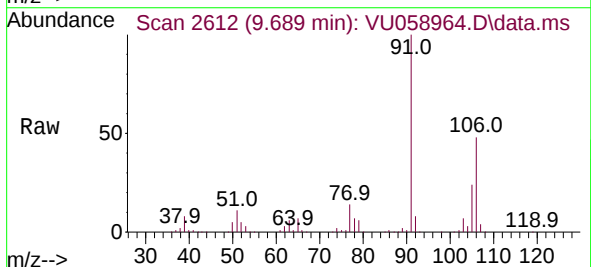
Acq: 24 May 2024 10:44

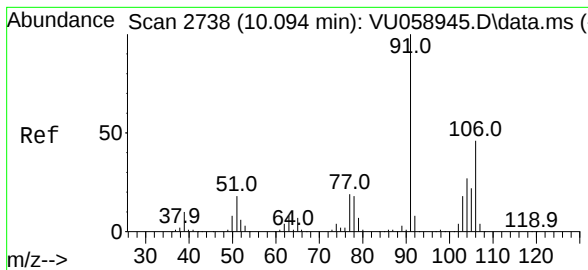
Tgt Ion:106 Resp: 117171

Ion Ratio Lower Upper

106 100

91 207.5 145.7 270.7

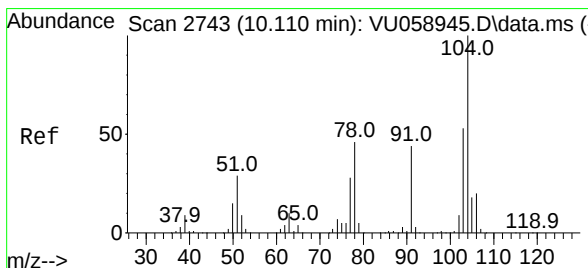
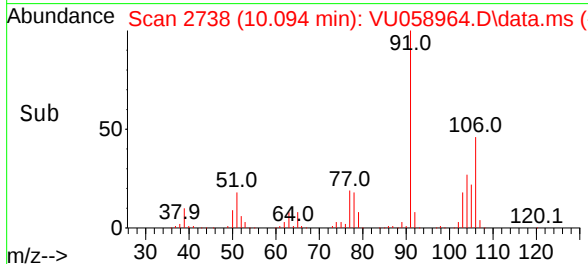
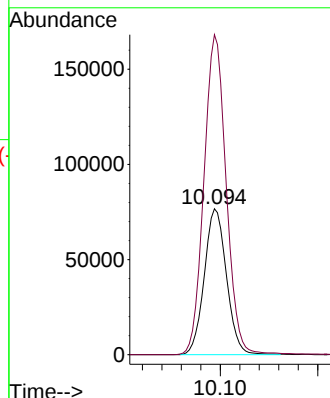
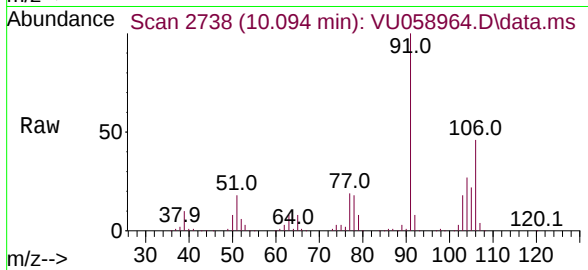




#54
o-Xylene
Concen: 52.173 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

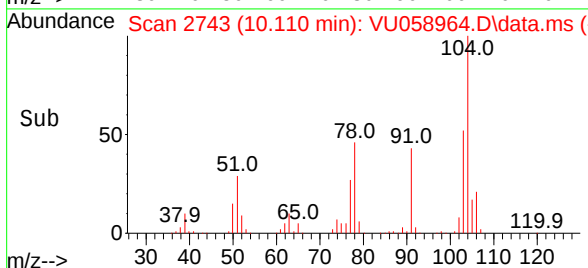
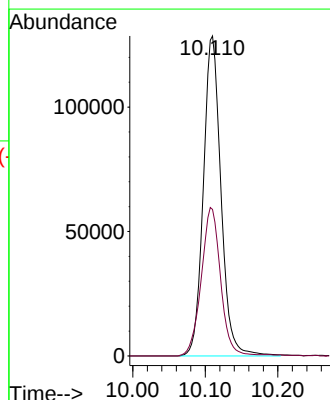
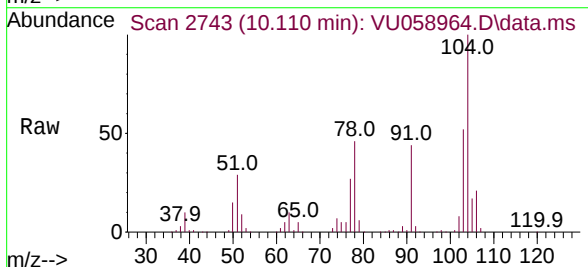
Instrument :
MSVOA_U
ClientSampleId :

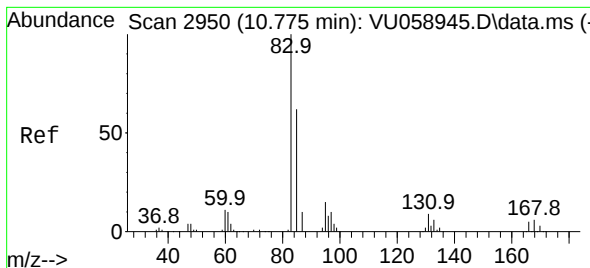
Tgt Ion:106 Resp: 121220
Ion Ratio Lower Upper
106 100
91 219.2 154.0 286.0



#55
Styrene
Concen: 52.420 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

Tgt Ion:104 Resp: 217560
Ion Ratio Lower Upper
104 100
78 45.8 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 51.827 ug/L

RT: 10.776 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

ClientSampleId :

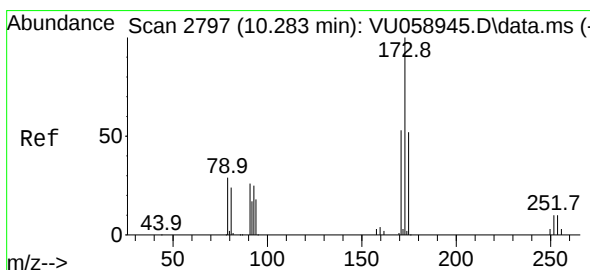
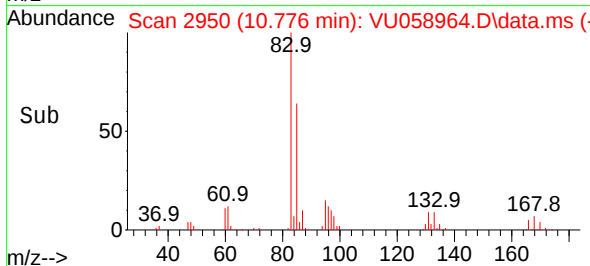
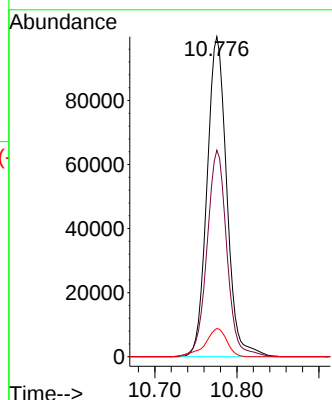
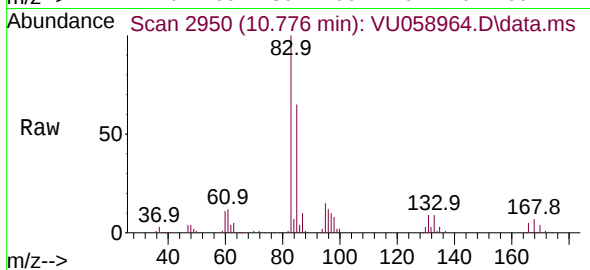
Tgt Ion: 83 Resp: 166948

Ion Ratio Lower Upper

83 100

85 64.5 43.5 80.9

131 8.8 7.1 10.7



#59

Bromoform

Concen: 53.517 ug/L

RT: 10.284 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

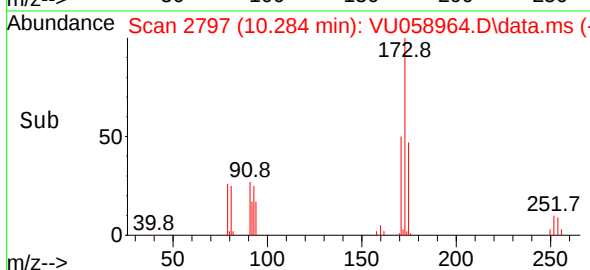
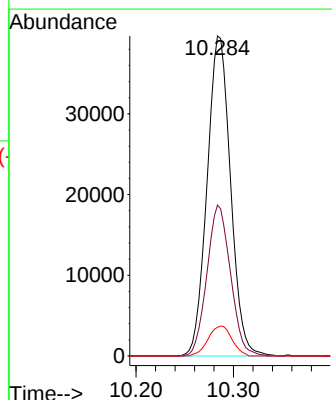
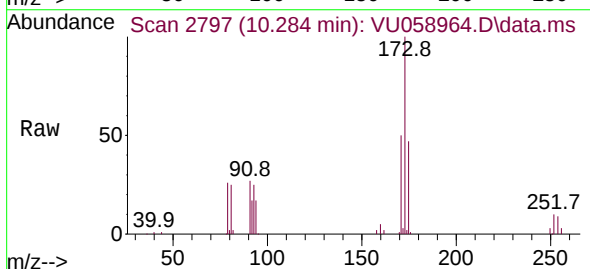
Tgt Ion:173 Resp: 66347

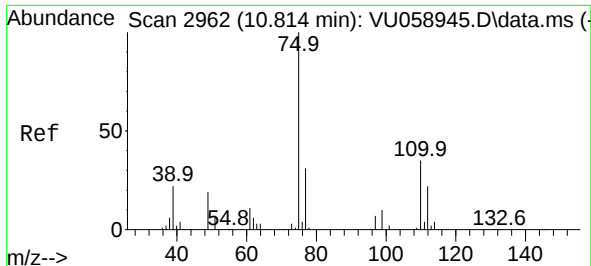
Ion Ratio Lower Upper

173 100

175 47.2 40.6 61.0

254 9.5 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 54.944 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.004 min

Lab File: VU058964.D

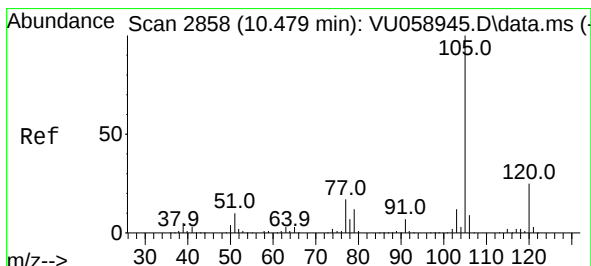
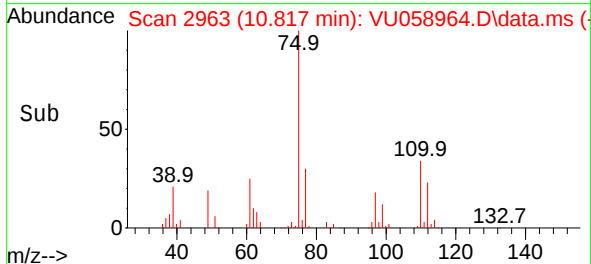
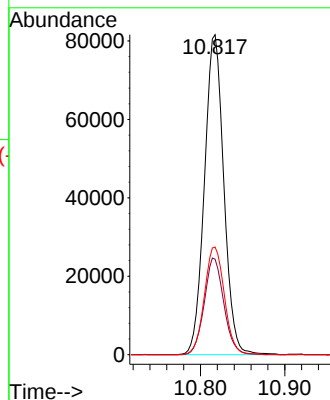
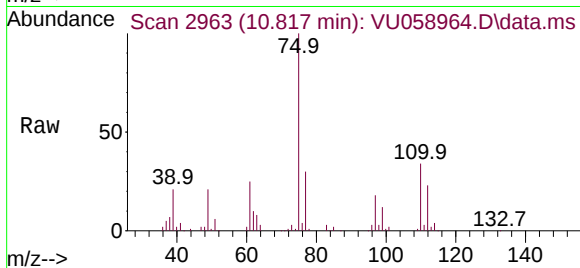
Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 75	Resp: 130784
Ion Ratio	Lower Upper
75	100
77	30.6 25.8 38.6
110	34.6 28.3 42.5



#61

Isopropylbenzene

Concen: 54.006 ug/L

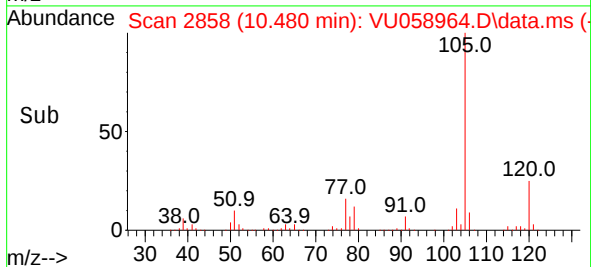
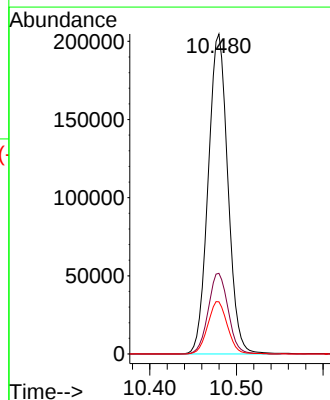
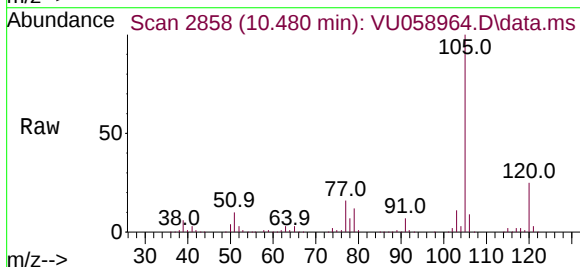
RT: 10.480 min Scan# 2858

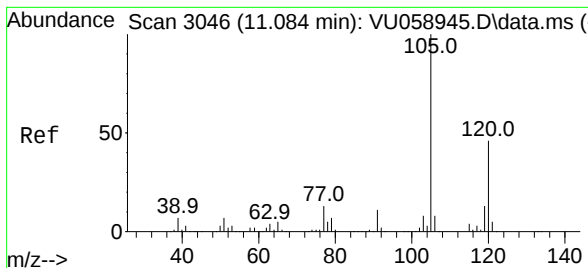
Delta R.T. 0.000 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Tgt Ion: 105	Resp: 322574
Ion Ratio	Lower Upper
105	100
120	25.6 20.0 30.0
77	16.4 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 53.255 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

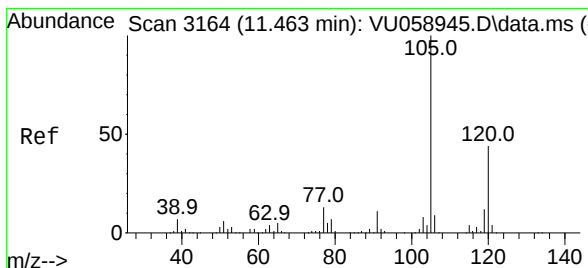
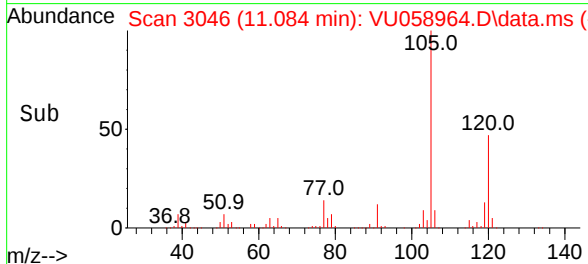
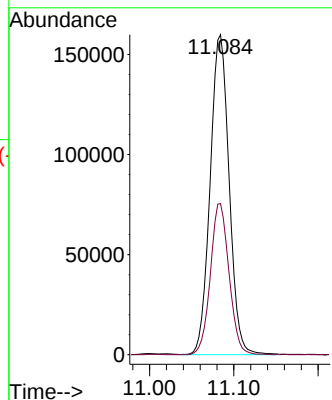
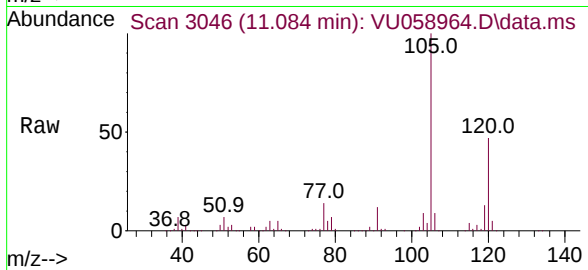
ClientSampleId :

Tgt Ion:105 Resp: 250598

Ion Ratio Lower Upper

105 100

120 46.3 36.9 55.3



#63

1,2,4-Trimethylbenzene

Concen: 54.489 ug/L

RT: 11.464 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU058964.D

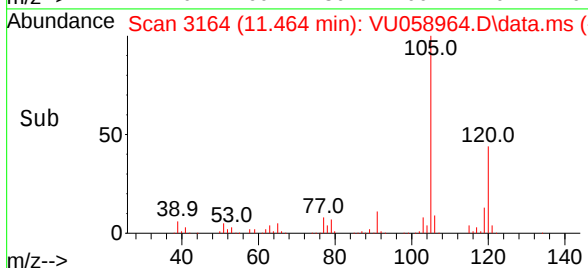
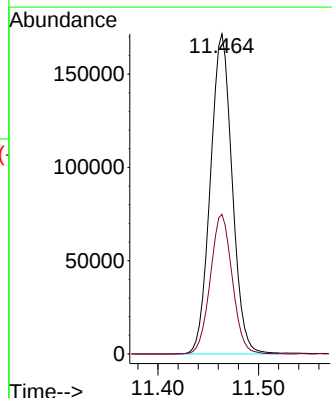
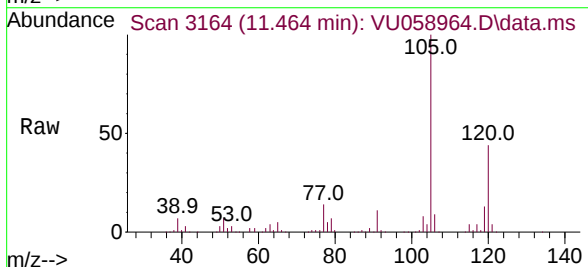
Acq: 24 May 2024 10:44

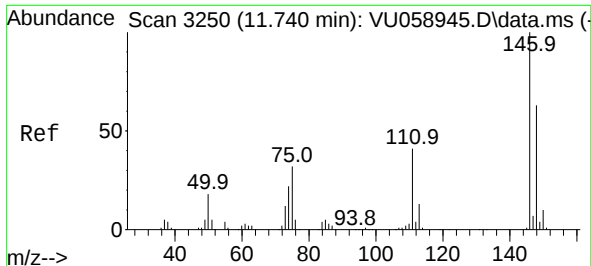
Tgt Ion:105 Resp: 258585

Ion Ratio Lower Upper

105 100

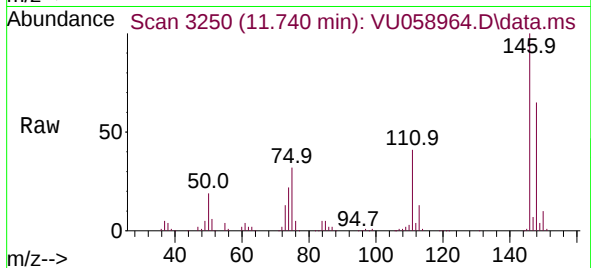
120 43.9 35.3 52.9



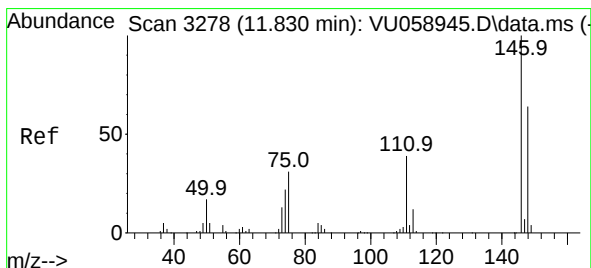
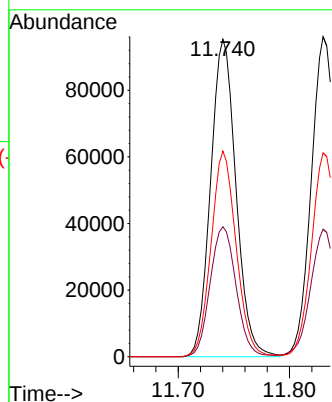
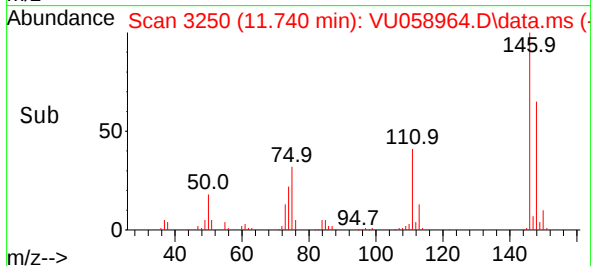


#64
1,3-Dichlorobenzene
Concen: 48.617 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44

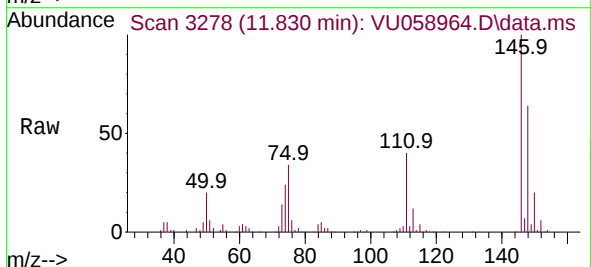
Instrument :
MSVOA_U
ClientSampleId :



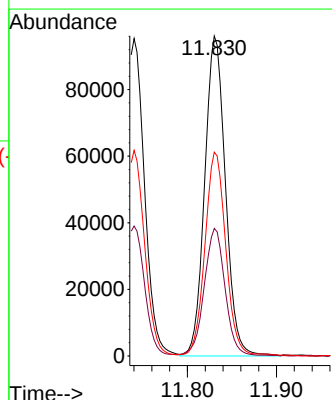
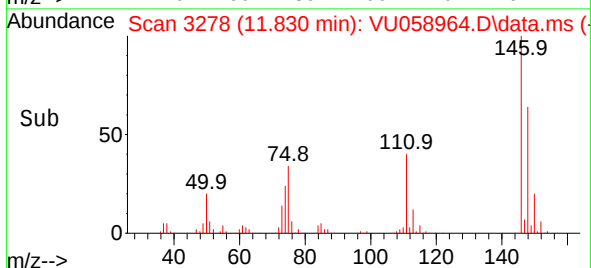
Tgt Ion:146 Resp: 150757
Ion Ratio Lower Upper
146 100
111 40.9 28.6 53.0
148 64.7 44.2 82.2

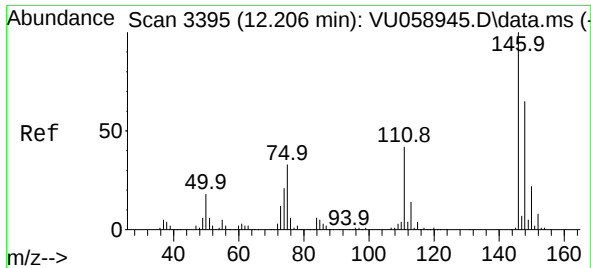


#65
1,4-Dichlorobenzene
Concen: 49.610 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU058964.D
Acq: 24 May 2024 10:44



Tgt Ion:146 Resp: 155379
Ion Ratio Lower Upper
146 100
111 39.9 27.3 50.7
148 63.7 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 50.571 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

ClientSampleId :

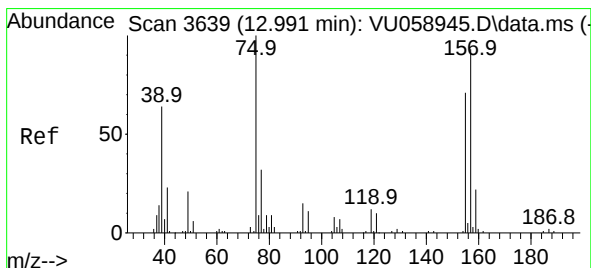
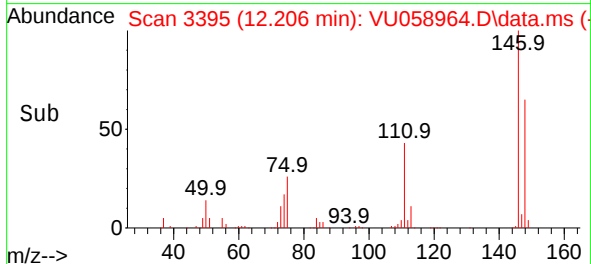
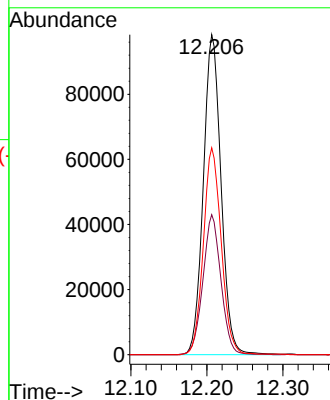
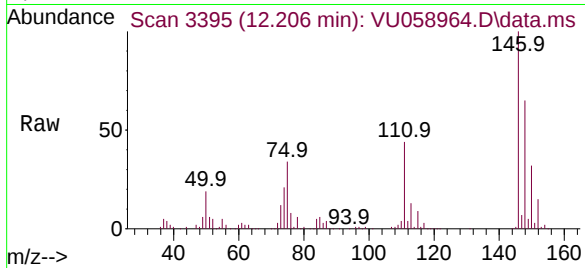
Tgt Ion:146 Resp: 159501

Ion Ratio Lower Upper

146 100

111 43.8 34.1 51.1

148 64.7 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 51.015 ug/L

RT: 12.988 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

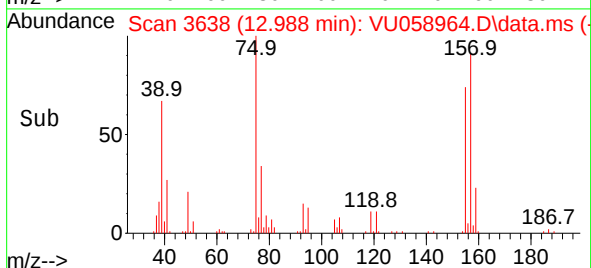
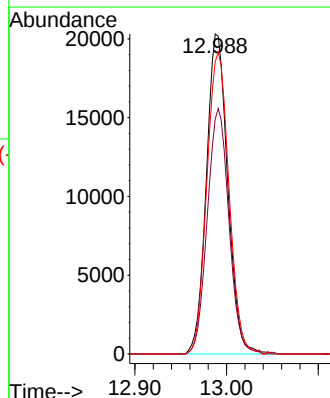
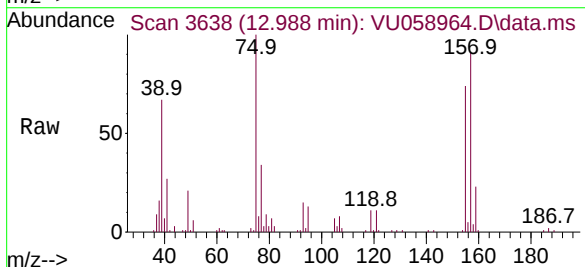
Tgt Ion: 75 Resp: 32851

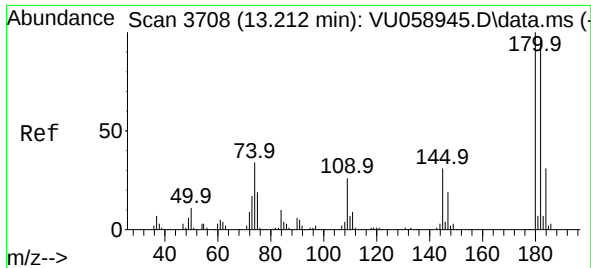
Ion Ratio Lower Upper

75 100

155 73.5 60.2 90.4

157 91.4 77.2 115.8





#69

1,3,5-Trichlorobenzene

Concen: 46.507 ug/L

RT: 13.216 min Scan# 3708

Delta R.T. 0.004 min

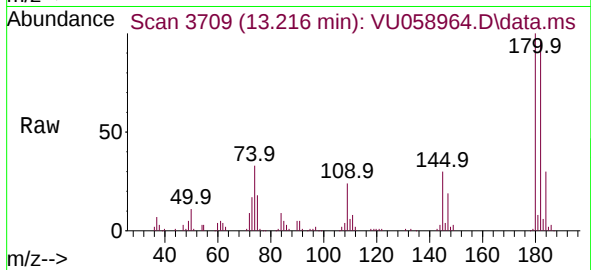
Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 101578

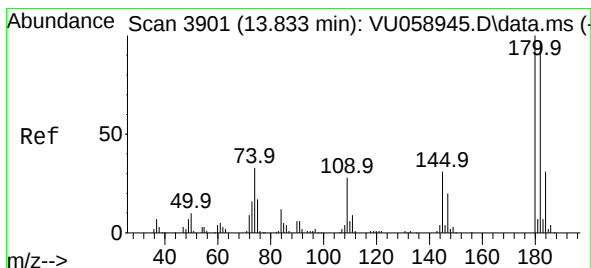
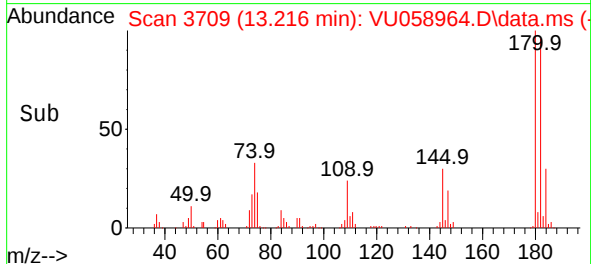
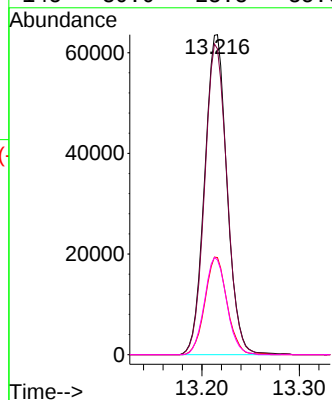
Ion Ratio Lower Upper

180 100

182 97.0 75.7 113.5

184 30.1 24.3 36.5

145 30.0 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 44.191 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.004 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

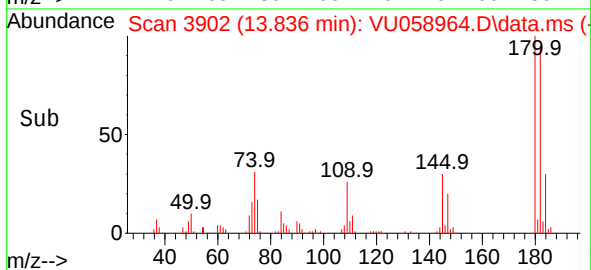
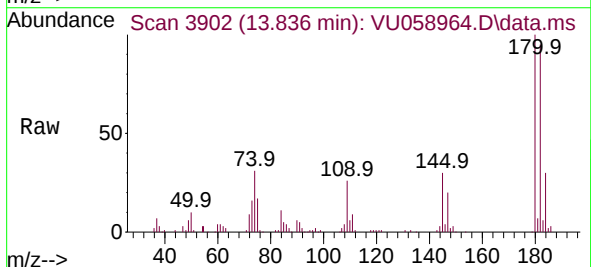
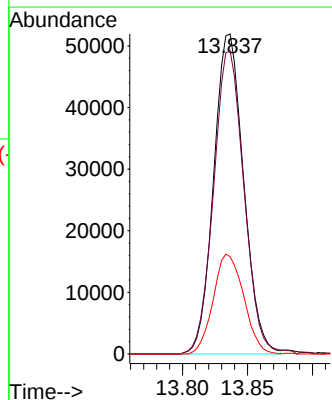
Tgt Ion:180 Resp: 83135

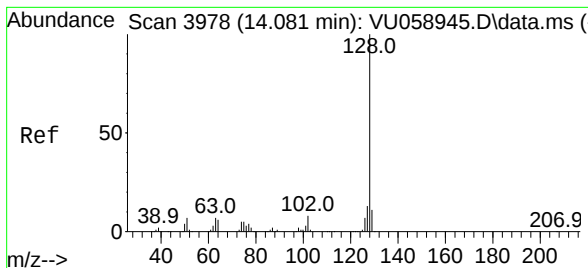
Ion Ratio Lower Upper

180 100

182 96.1 78.6 117.8

145 31.7 24.6 37.0





#71

Naphthalene

Concen: 44.892 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Instrument :

MSVOA_U

ClientSampleId :

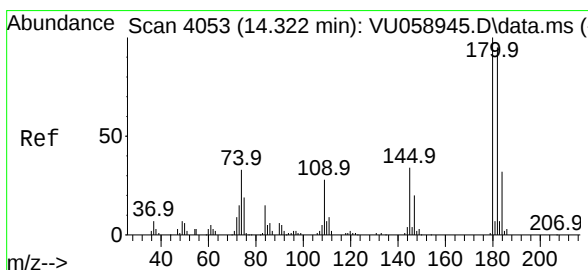
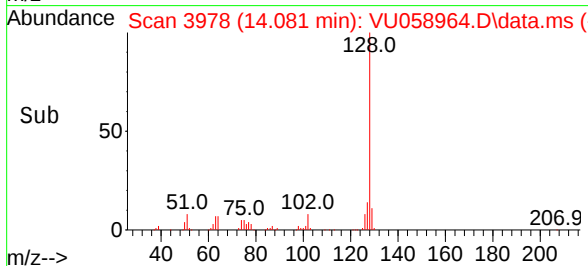
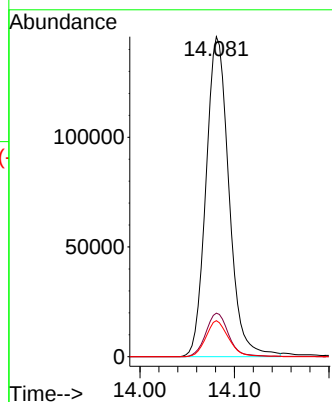
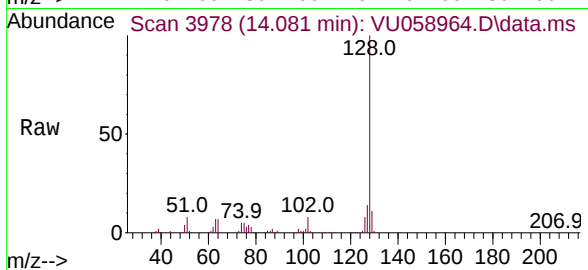
Tgt Ion:128 Resp: 246328

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 47.735 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU058964.D

Acq: 24 May 2024 10:44

Tgt Ion:180 Resp: 91981

Ion Ratio Lower Upper

180 100

182 93.5 76.1 114.1

145 31.8 26.2 39.2

