

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040924\
 Data File : VU058504.D
 Acq On : 09 Apr 2024 10:16
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 10 01:09:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 09 05:30:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	76216	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	72257	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	35129	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	26638	5.279	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.600%
7) Chloroethane-d5	1.908	69	23273	5.307	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.200%
11) 1,1-Dichloroethene-d2	2.560	65	11644	5.098	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.000%
20) 2-Butanone-d5	4.631	46	47410	44.584	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.160%
24) Chloroform-d	5.055	84	49635	4.927	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	5.695	65	22950	4.882	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.718	84	99620	5.121	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
36) 1,2-Dichloropropane-d6	6.682	67	29891	4.900	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.000%
41) Toluene-d8	7.891	98	88395	5.124	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
43) trans-1,3-Dichloroprop...	8.174	79	9459	4.995	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.800%
46) 2-Hexanone-d5	8.628	63	34070	43.619	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.240%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	18622	4.324	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	25634	4.333	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	31991	5.036	ug/L	99
3) Chloromethane	1.512	50	39498	5.080	ug/L	100
5) Vinyl chloride	1.599	62	40547	5.222	ug/L	100
6) Bromomethane	1.853	94	18691	5.088	ug/L	99
8) Chloroethane	1.927	64	26792	5.462	ug/L	99
9) Trichlorofluoromethane	2.133	101	53446	5.212	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	32189	5.283	ug/L	97
12) 1,1-Dichloroethene	2.573	96	27768	5.141	ug/L	96
13) Acetone	2.644	43	45298	49.909	ug/L	97
14) Carbon disulfide	2.785	76	84035	4.898	ug/L	99
15) Methyl Acetate	2.953	43	11872	5.544	ug/L	98
16) Methylene chloride	3.036	84	33468	4.669	ug/L	96
17) Methyl tert-butyl Ether	3.351	73	66179	5.187	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	29820	5.268	ug/L	98
19) 1,1-Dichloroethane	3.859	63	66590	5.389	ug/L	96
21) 2-Butanone	4.705	43	70759	52.160	ug/L	97
22) cis-1,2-Dichloroethene	4.657	96	33902	5.333	ug/L	89
23) Bromochloromethane	4.965	128	13133	5.243	ug/L	97
25) Chloroform	5.078	83	65020	5.437	ug/L	98

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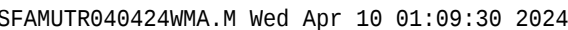
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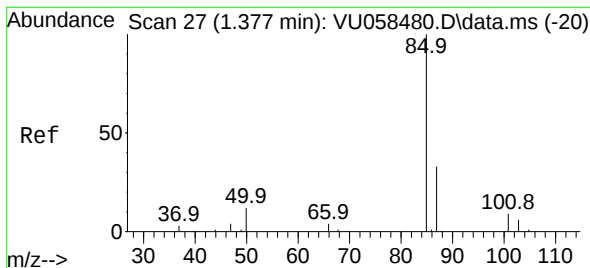
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	38485	5.285	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	51573	5.324	ug/L	97
30) Cyclohexane	5.380	56	54403	5.317	ug/L	100
31) Carbon tetrachloride	5.515	117	44203	5.388	ug/L	99
33) Benzene	5.766	78	140674	5.371	ug/L	100
34) Trichloroethene	6.534	95	34875	5.282	ug/L	97
35) Methylcyclohexane	6.756	83	53468	5.375	ug/L	98
37) 1,2-Dichloropropane	6.782	63	38230	5.548	ug/L	99
38) Bromodichloromethane	7.097	83	42441	5.396	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	46345	5.289	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	174805	53.891	ug/L	99
42) Toluene	7.962	91	145248	5.287	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	37007	5.355	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	21785	5.413	ug/L	96
47) Tetrachloroethene	8.547	164	24708	5.105	ug/L	96
48) 2-Hexanone	8.679	43	124264	53.964	ug/L	99
49) Dibromochloromethane	8.801	129	24207	5.202	ug/L	94
50) 1,2-Dibromoethane	8.917	107	19152	5.203	ug/L	98
51) Chlorobenzene	9.441	112	85878	5.166	ug/L	100
52) Ethylbenzene	9.563	91	153361	5.269	ug/L	100
53) m,p-Xylene	9.689	106	55652	5.340	ug/L	98
54) o-Xylene	10.094	106	55049	5.387	ug/L	99
55) Styrene	10.110	104	88620	5.391	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	25818	5.200	ug/L	96
59) Bromoform	10.283	173	11963	5.097	ug/L	97
60) Isopropylbenzene	10.476	105	140255	5.454	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	18958	5.289	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	113883	5.430	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	115670	5.402	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	65397	5.235	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	61106	5.021	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	57984	5.103	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	3455	5.684	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	47521	5.144	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	33924	4.762	ug/L	99
71) Naphthalene	14.084	128	41990	4.302	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	27648	4.700	ug/L	99

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

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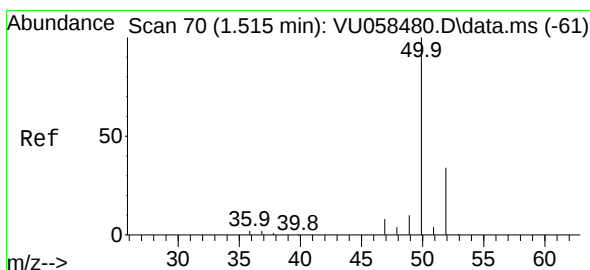
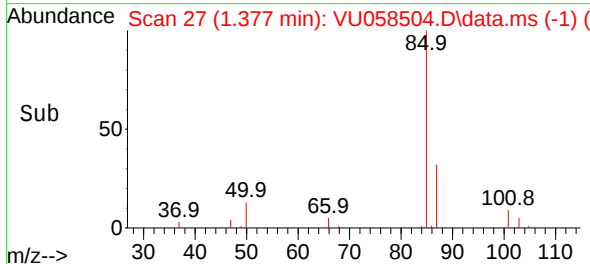
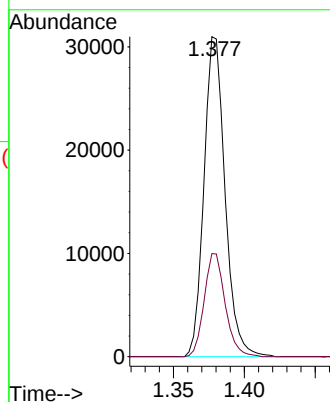
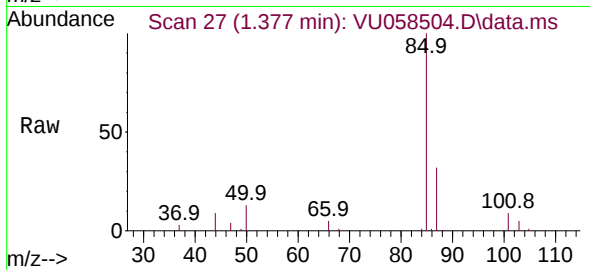




#2
 Dichlorodifluoromethane
 Concen: 5.036 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU058504.D
 Acq: 09 Apr 2024 10:16

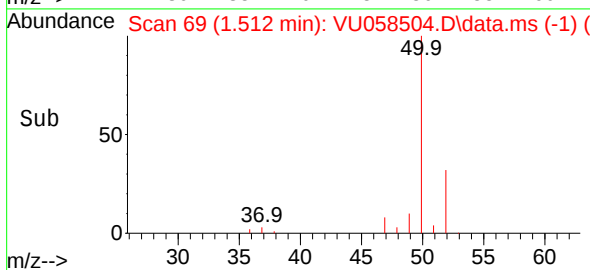
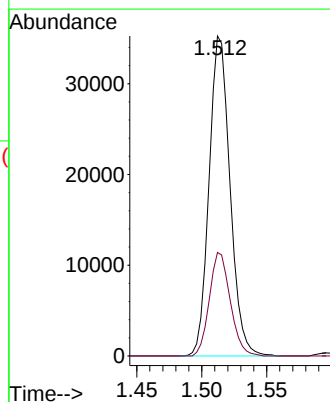
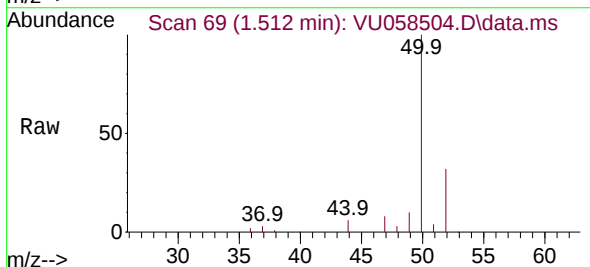
Instrument :
 MSVOA_U
 ClientSampleId :

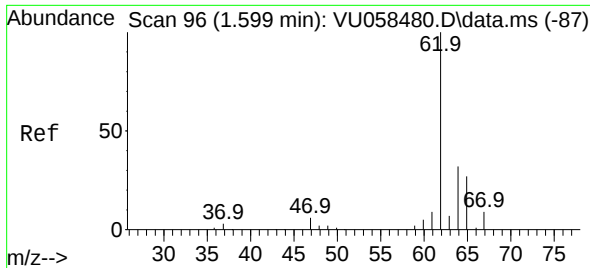
Tgt Ion: 85 Resp: 31991
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.9 38.9



#3
 Chloromethane
 Concen: 5.080 ug/L
 RT: 1.512 min Scan# 69
 Delta R.T. -0.003 min
 Lab File: VU058504.D
 Acq: 09 Apr 2024 10:16

Tgt Ion: 50 Resp: 39498
 Ion Ratio Lower Upper
 50 100
 52 32.3 22.6 42.0

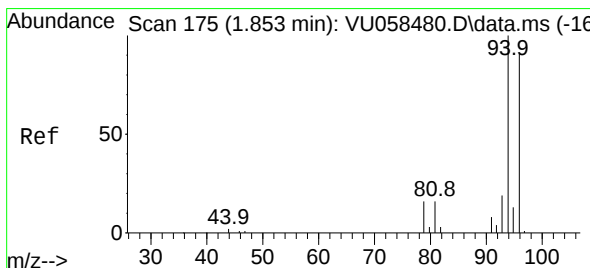
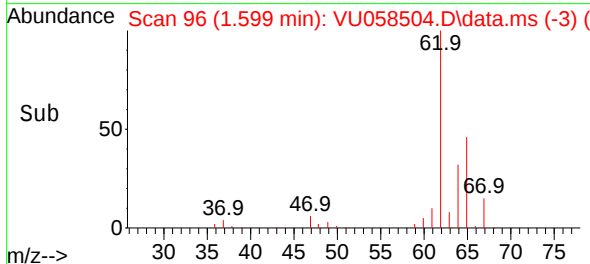
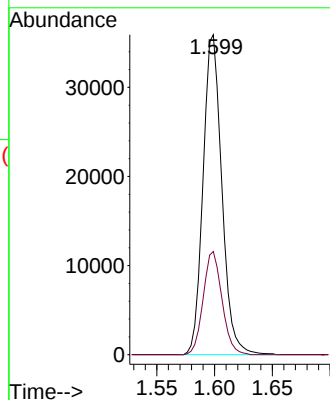
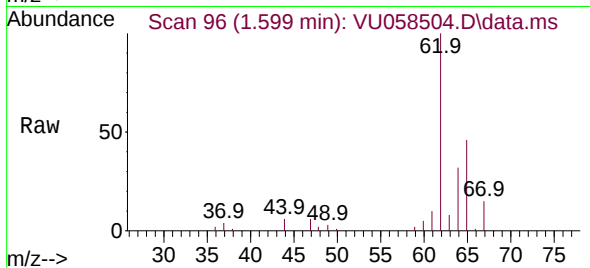




#5
Vinyl chloride
Concen: 5.222 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

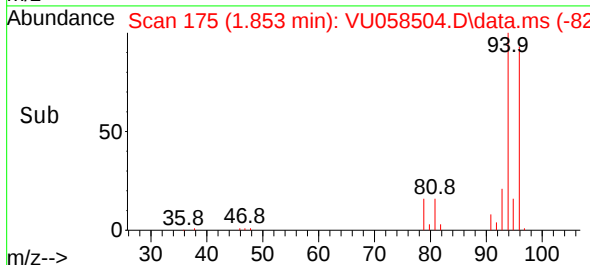
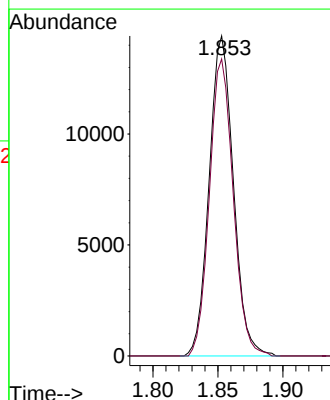
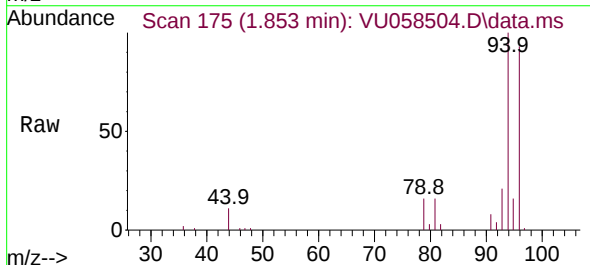
Instrument :
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ClientSampleId :

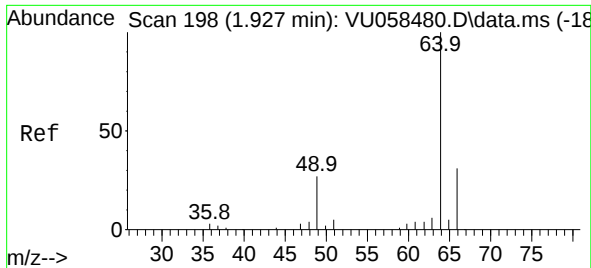
Tgt Ion: 62 Resp: 40547
Ion Ratio Lower Upper
62 100
64 32.2 22.6 42.0



#6
Bromomethane
Concen: 5.088 ug/L
RT: 1.853 min Scan# 175
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Tgt Ion: 94 Resp: 18691
Ion Ratio Lower Upper
94 100
96 92.8 65.4 121.4

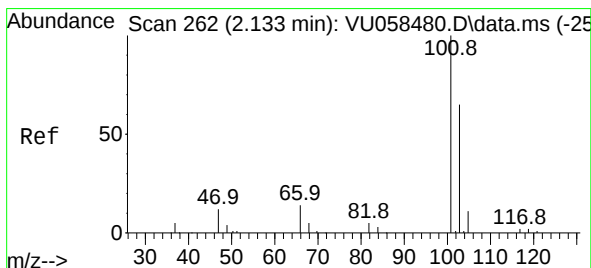
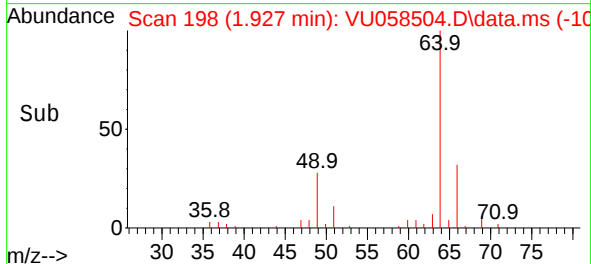
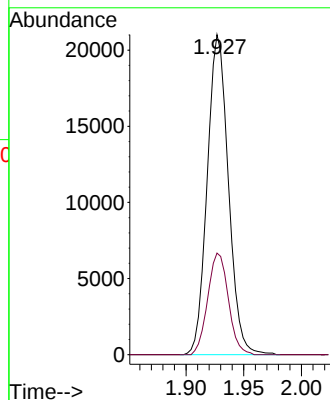
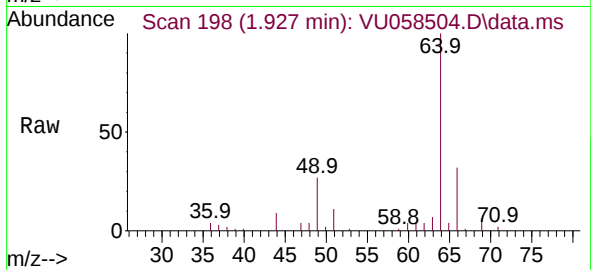




#8
Chloroethane
Concen: 5.462 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

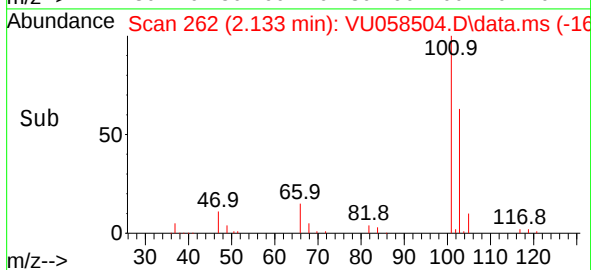
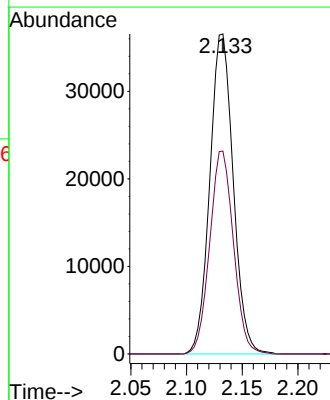
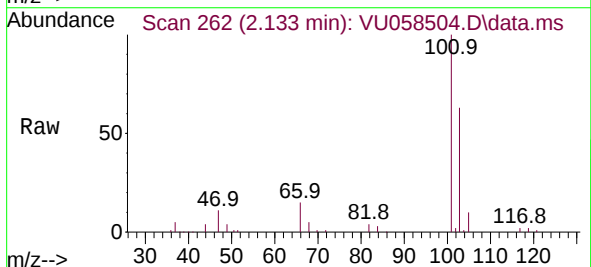
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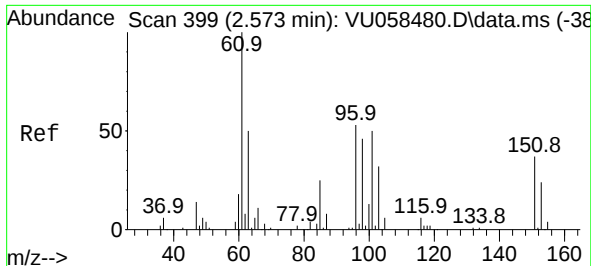
Tgt Ion: 64 Resp: 26792
Ion Ratio Lower Upper
64 100
66 31.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.212 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Tgt Ion:101 Resp: 53446
Ion Ratio Lower Upper
101 100
103 64.2 51.2 76.8

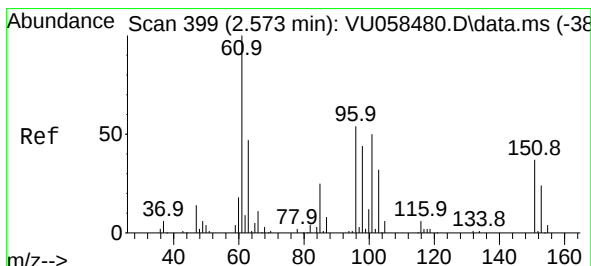
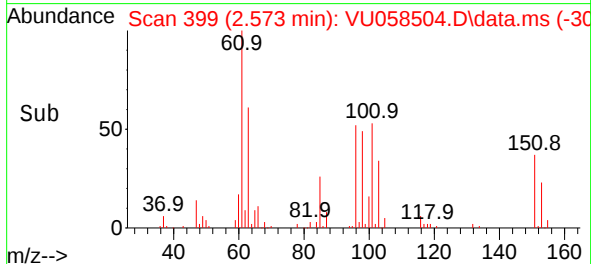
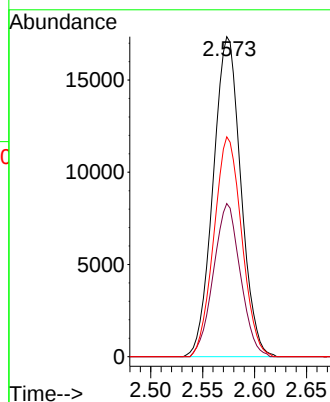
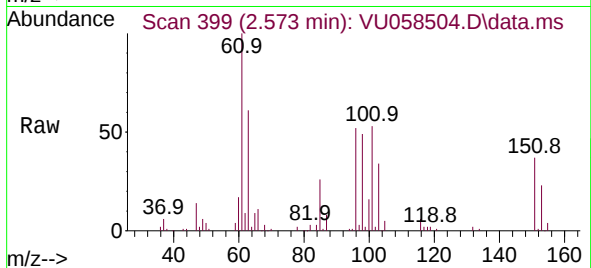




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.283 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

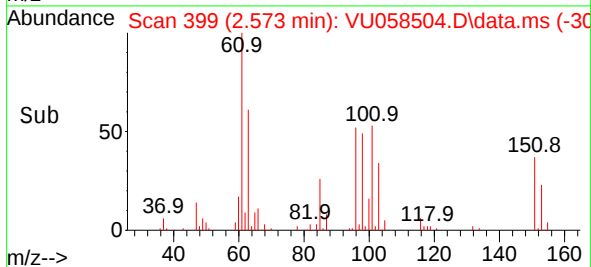
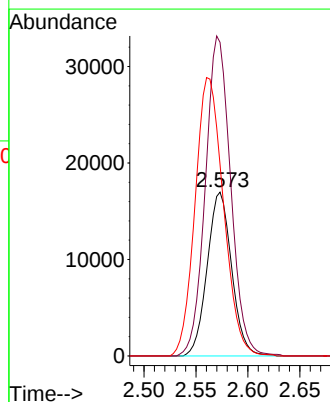
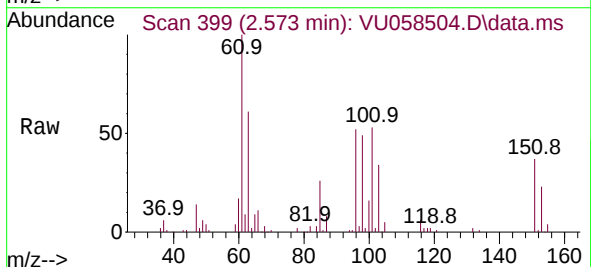
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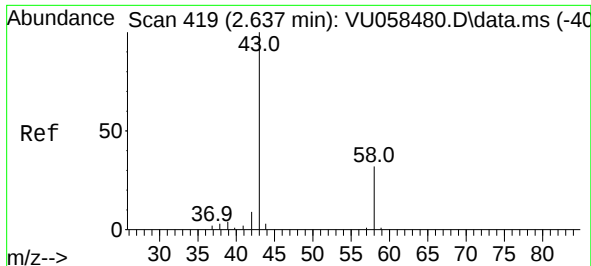
Tgt Ion:101 Resp: 32189
Ion Ratio Lower Upper
101 100
85 46.5 36.8 55.2
151 69.0 58.2 87.4



#12
1,1-Dichloroethene
Concen: 5.141 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Tgt Ion: 96 Resp: 27768
Ion Ratio Lower Upper
96 100
61 191.4 132.5 246.1
63 116.8 87.7 162.9





#13

Acetone

Concen: 49.909 ug/L

RT: 2.644 min Scan# 419

Delta R.T. 0.007 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Instrument :

MSVOA_U

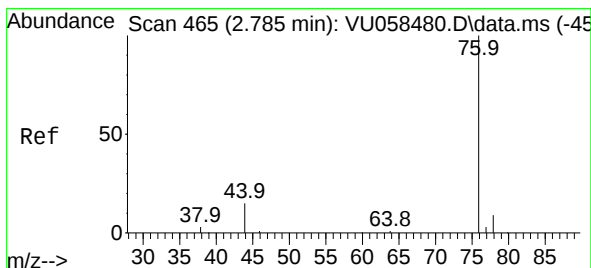
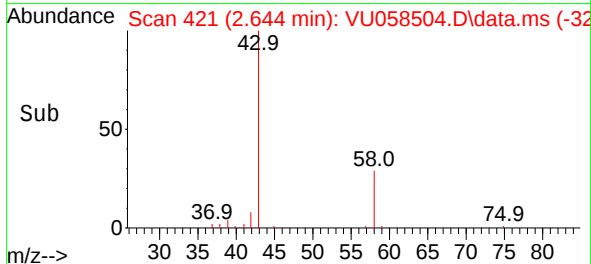
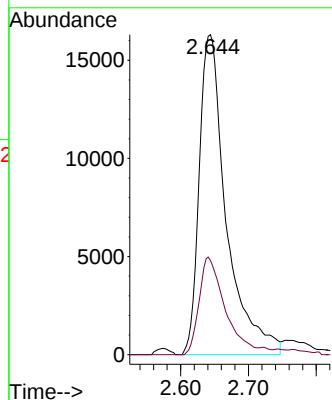
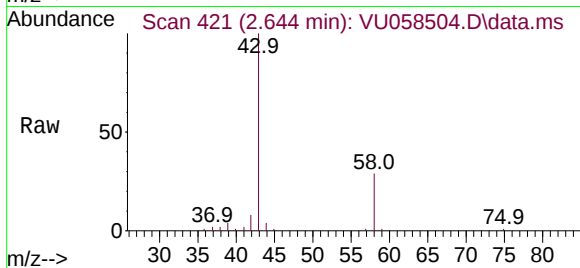
ClientSampleId :

Tgt Ion: 43 Resp: 45298

Ion Ratio Lower Upper

43 100

58 29.1 0.0 61.4



#14

Carbon disulfide

Concen: 4.898 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU058504.D

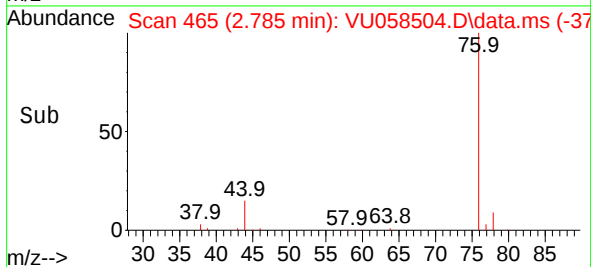
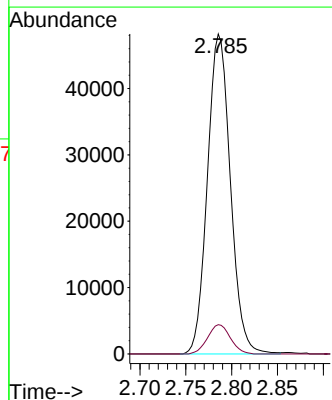
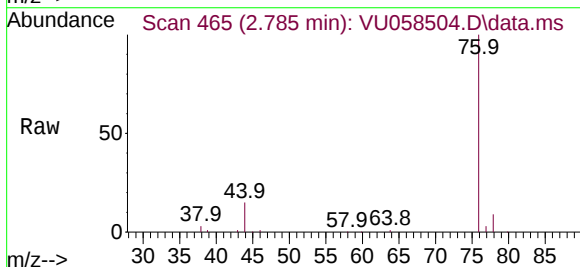
Acq: 09 Apr 2024 10:16

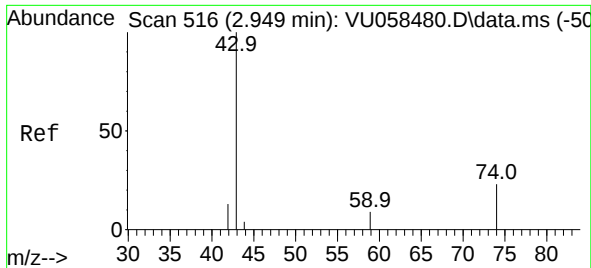
Tgt Ion: 76 Resp: 84035

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

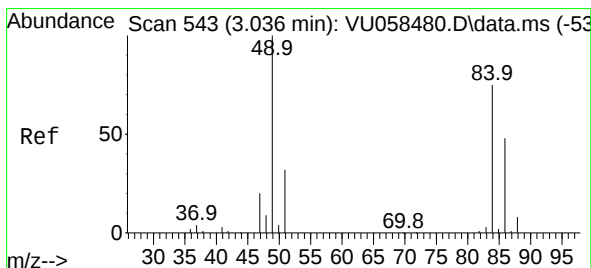
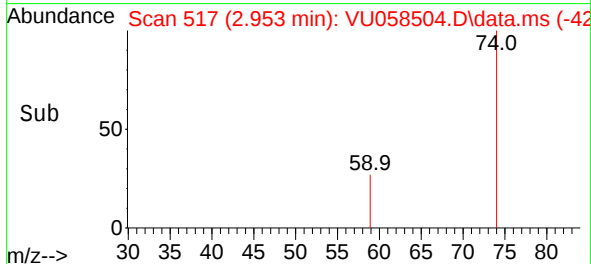
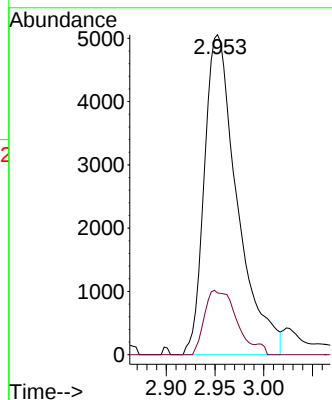
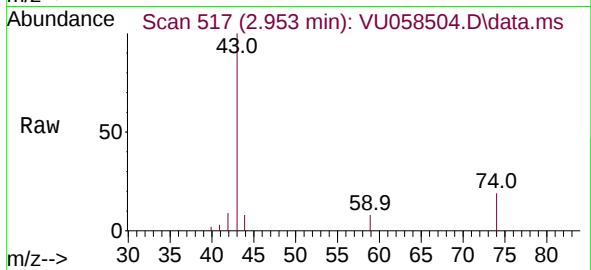




#15
Methyl Acetate
Concen: 5.544 ug/L
RT: 2.953 min Scan# 517
Delta R.T. 0.003 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

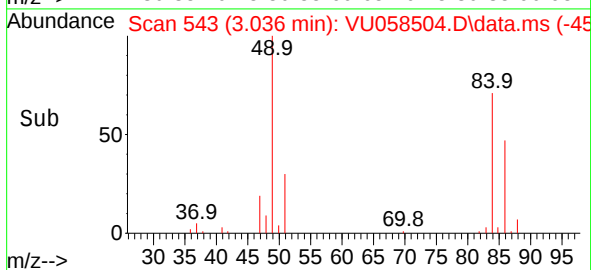
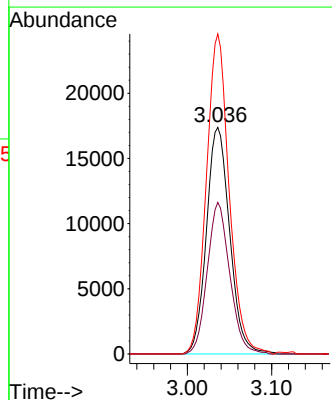
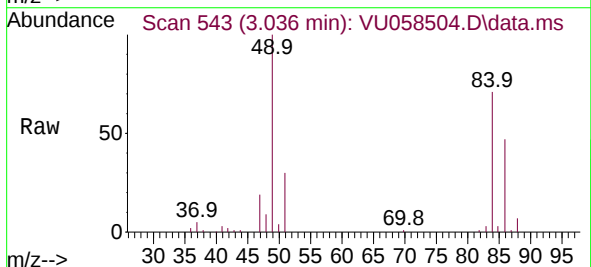
Instrument :
MSVOA_U
ClientSampleId :

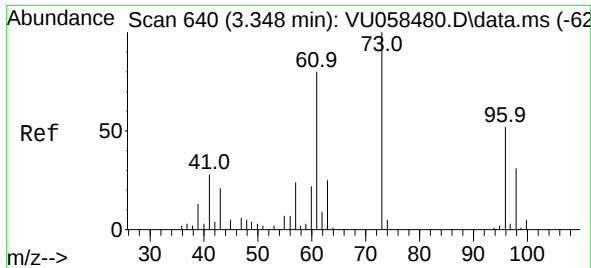
Tgt Ion: 43 Resp: 11872
Ion Ratio Lower Upper
43 100
74 19.9 16.6 25.0



#16
Methylene chloride
Concen: 4.669 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

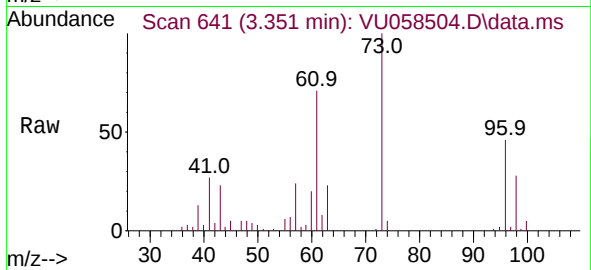
Tgt Ion: 84 Resp: 33468
Ion Ratio Lower Upper
84 100
86 66.9 44.3 82.3
49 141.2 96.0 178.2



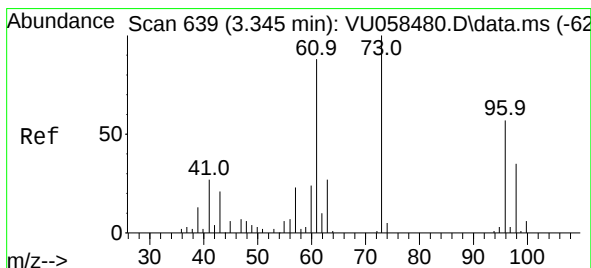
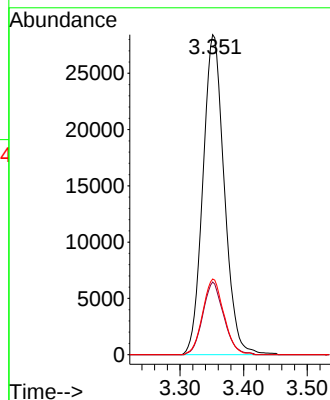
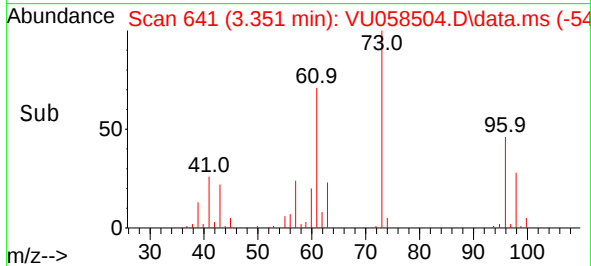


#17
Methyl tert-butyl Ether
Concen: 5.187 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Instrument :
MSVOA_U
ClientSampleId :

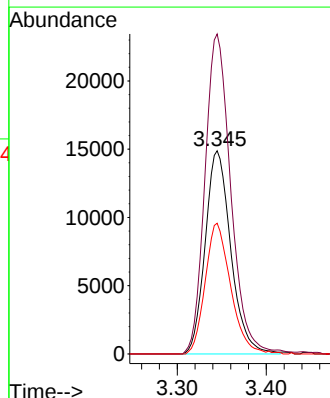
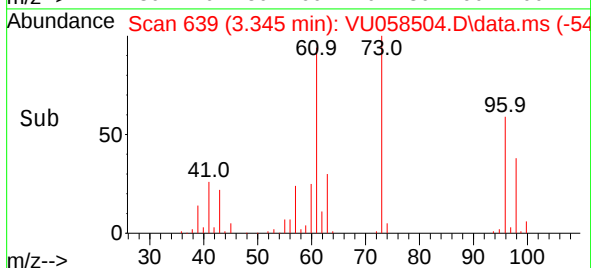
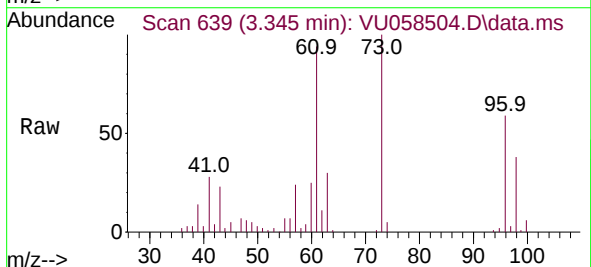


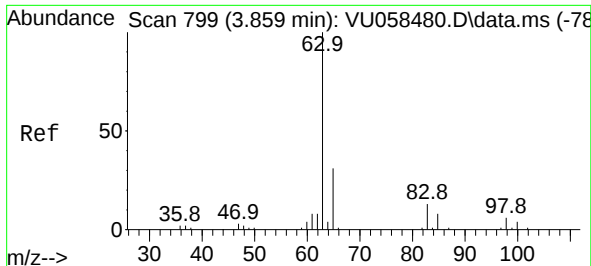
Tgt Ion: 73 Resp: 66179
Ion Ratio Lower Upper
73 100
43 22.3 17.4 26.2
57 23.5 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 5.268 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Tgt Ion: 96 Resp: 29820
Ion Ratio Lower Upper
96 100
61 157.5 107.6 199.8
98 64.4 45.1 83.7

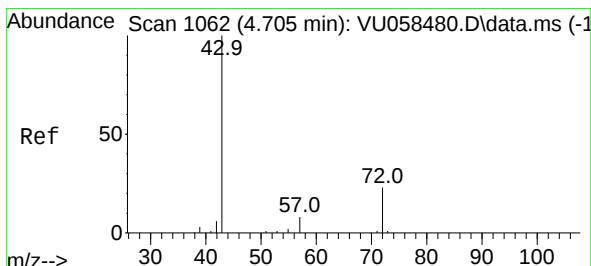
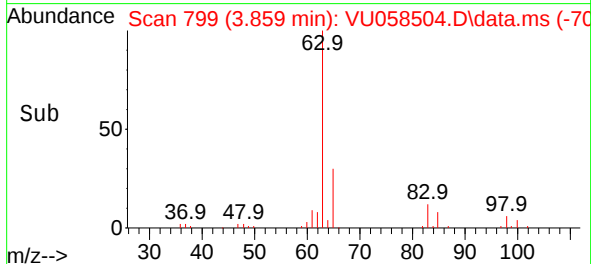
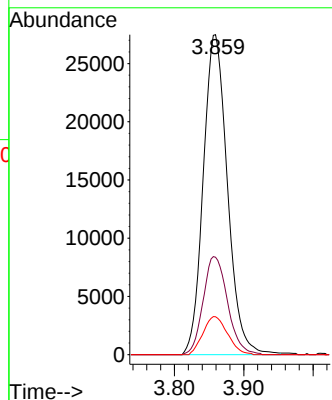
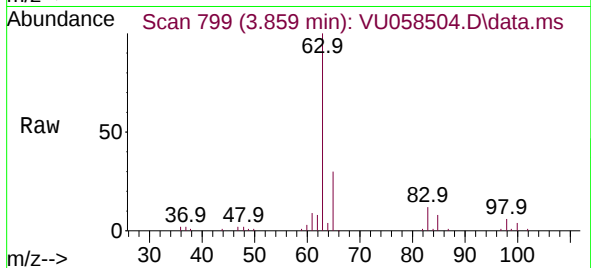




#19
1,1-Dichloroethane
Concen: 5.389 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

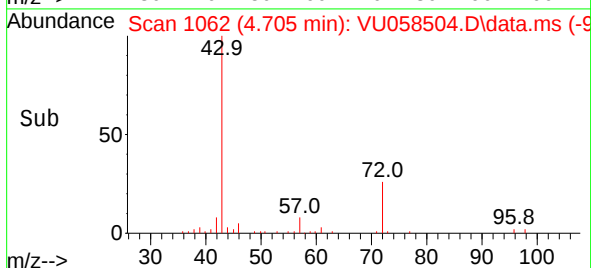
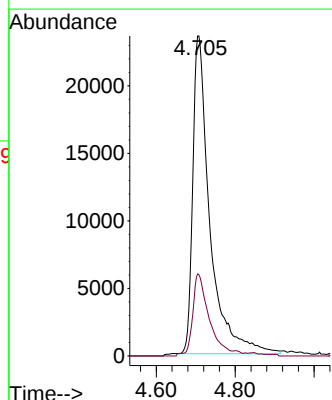
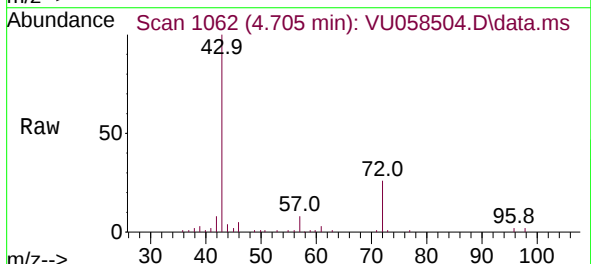
Instrument :
MSVOA_U
ClientSampleId :

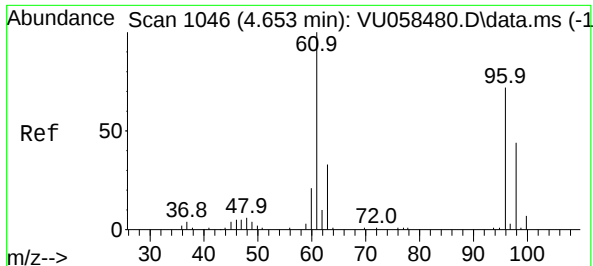
Tgt Ion: 63 Resp: 66590
Ion Ratio Lower Upper
63 100
65 30.4 22.9 42.5
83 11.9 9.6 17.8



#21
2-Butanone
Concen: 52.160 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

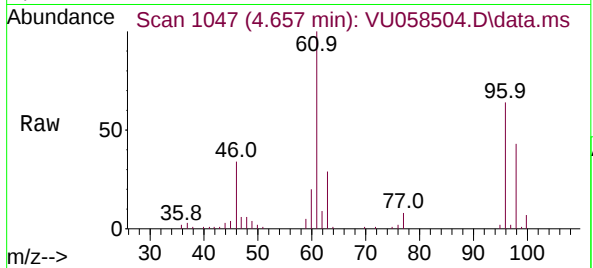
Tgt Ion: 43 Resp: 70759
Ion Ratio Lower Upper
43 100
72 24.7 11.7 35.0





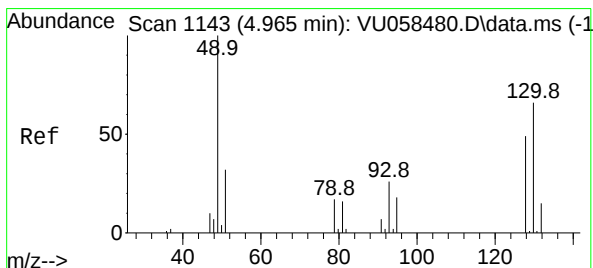
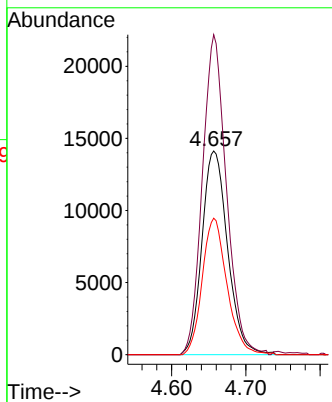
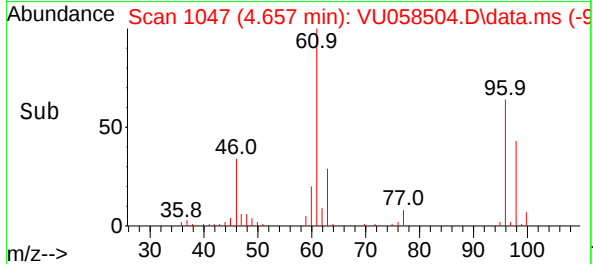
#22
cis-1,2-Dichloroethene
Concen: 5.333 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.003 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 33902

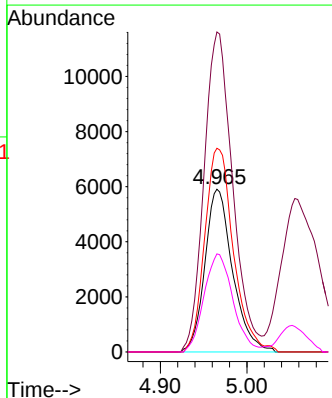
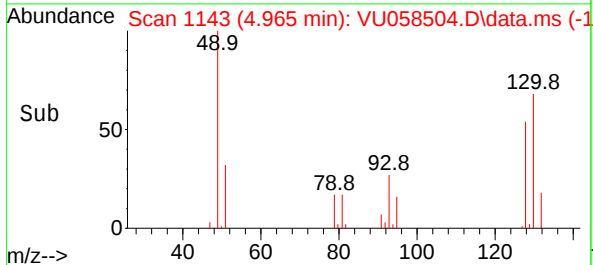
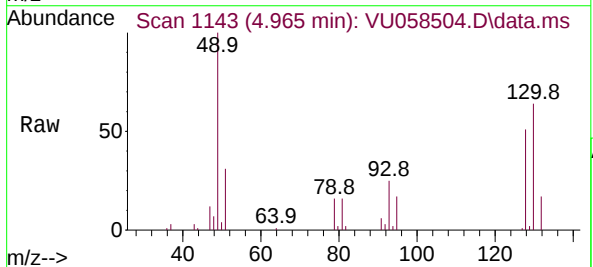
Ion	Ratio	Lower	Upper
96	100		
61	157.1	98.1	182.3
98	67.0	43.6	81.0

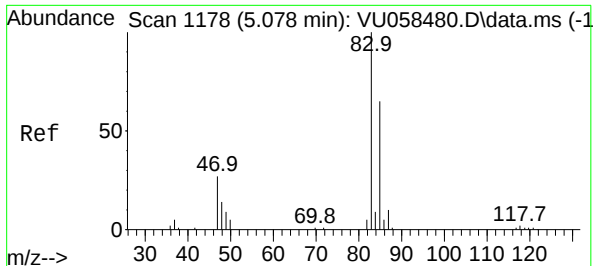


#23
Bromochloromethane
Concen: 5.243 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Tgt Ion: 128 Resp: 13133

Ion	Ratio	Lower	Upper
128	100		
49	196.7	134.4	249.6
130	125.2	90.0	167.2
51	60.3	51.0	76.6





#25

Chloroform

Concen: 5.437 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Instrument :

MSVOA_U

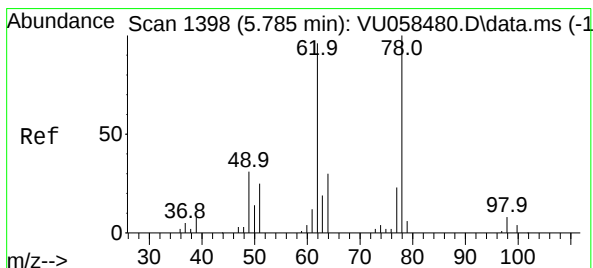
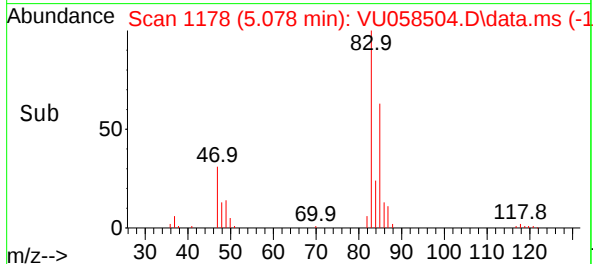
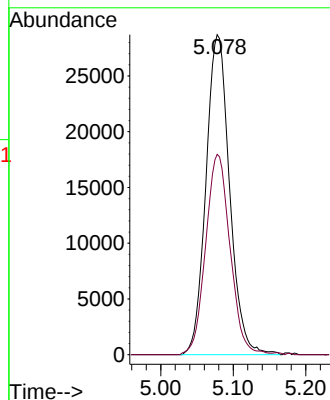
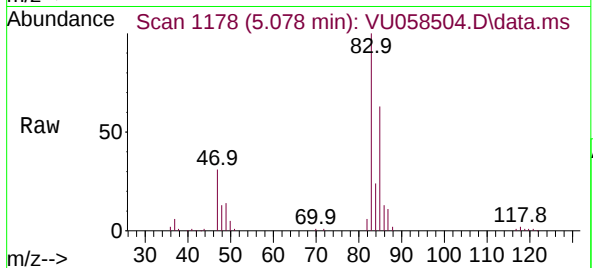
ClientSampleId :

Tgt Ion: 83 Resp: 65020

Ion Ratio Lower Upper

83 100

85 62.6 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.285 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU058504.D

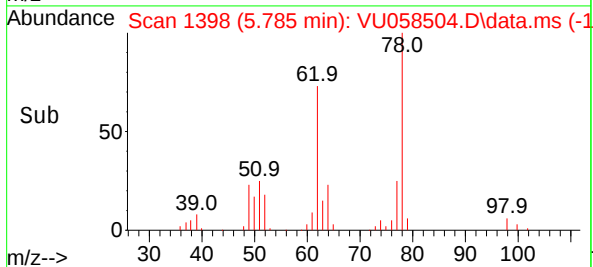
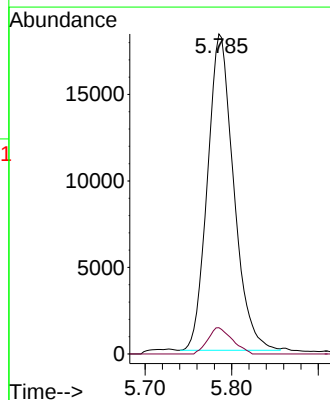
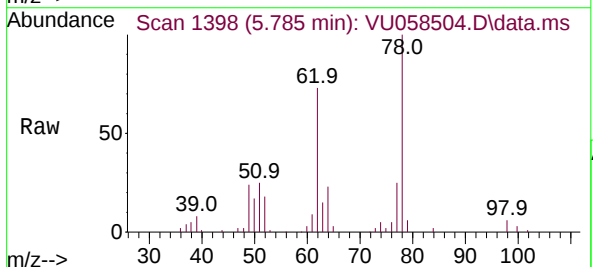
Acq: 09 Apr 2024 10:16

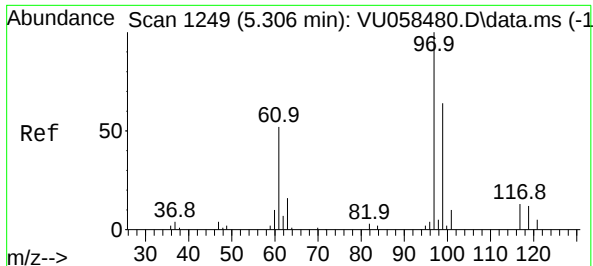
Tgt Ion: 62 Resp: 38485

Ion Ratio Lower Upper

62 100

98 8.2 7.0 10.4

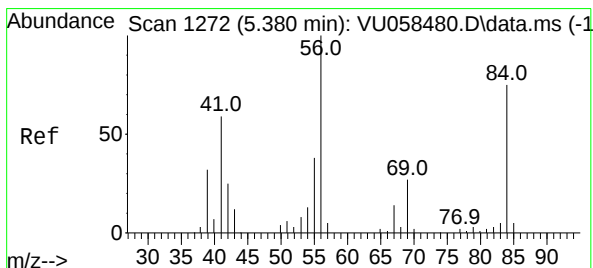
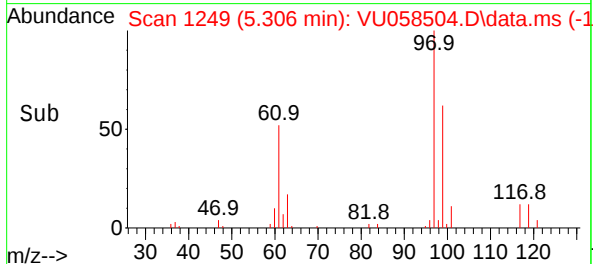
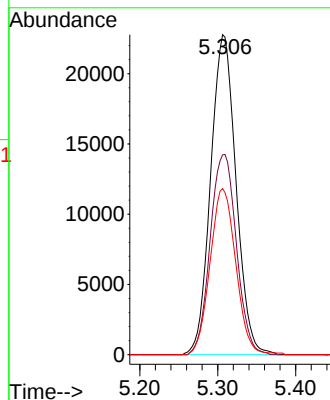
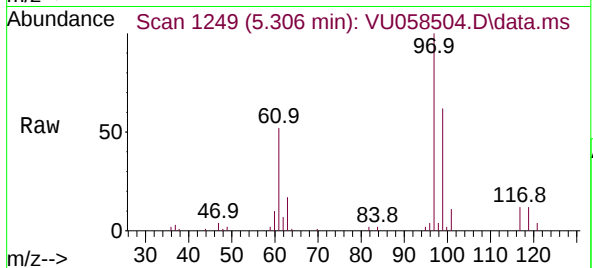




#29
1,1,1-Trichloroethane
Concen: 5.324 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

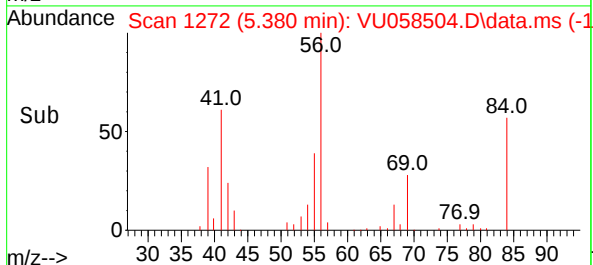
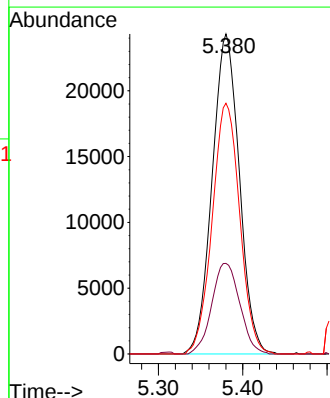
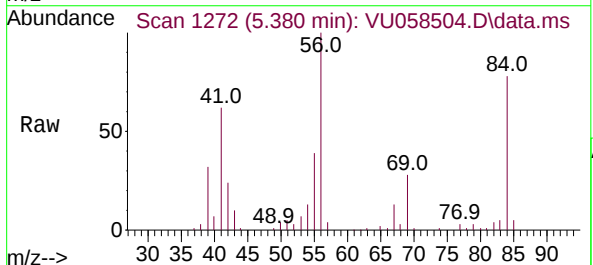
Instrument :
MSVOA_U
ClientSampleId :

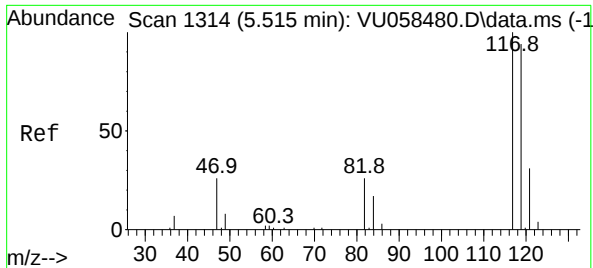
Tgt Ion: 97 Resp: 51573
Ion Ratio Lower Upper
97 100
99 64.7 50.4 75.6
61 52.7 39.4 59.0



#30
Cyclohexane
Concen: 5.317 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Tgt Ion: 56 Resp: 54403
Ion Ratio Lower Upper
56 100
69 29.2 23.2 34.8
84 79.3 63.3 94.9

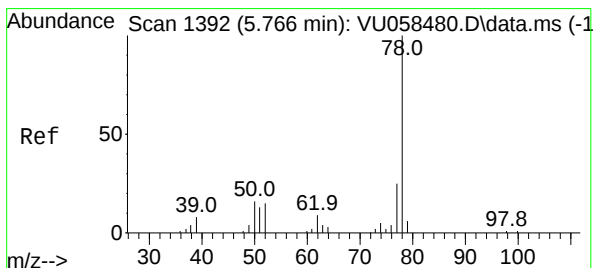
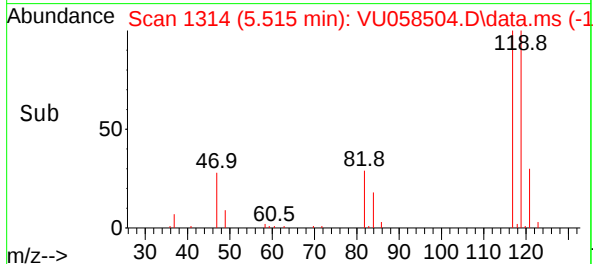
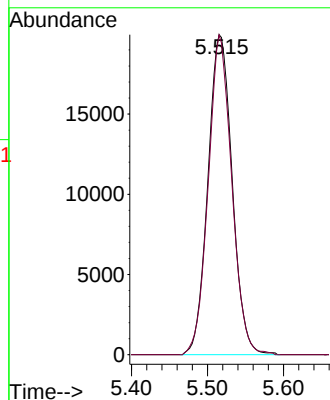
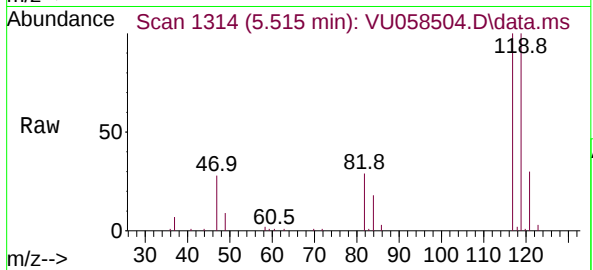




#31
Carbon tetrachloride
Concen: 5.388 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

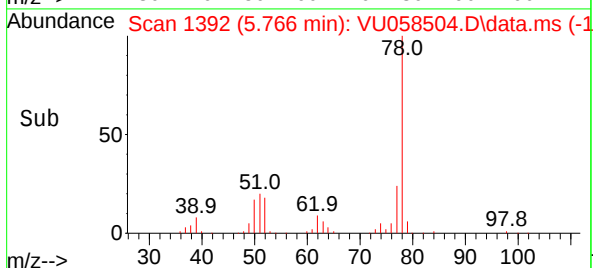
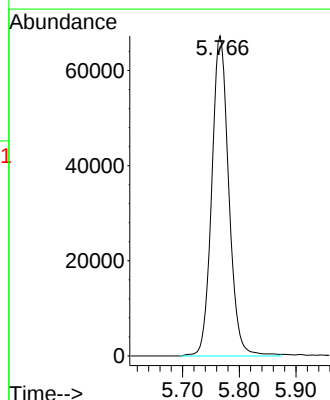
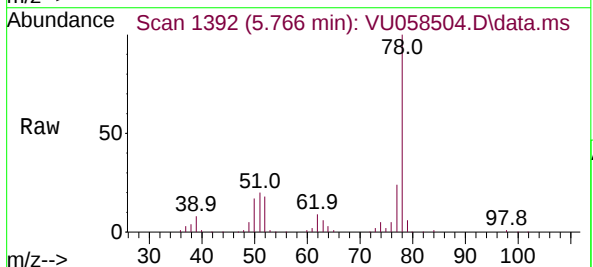
Instrument :
MSVOA_U
ClientSampleId :

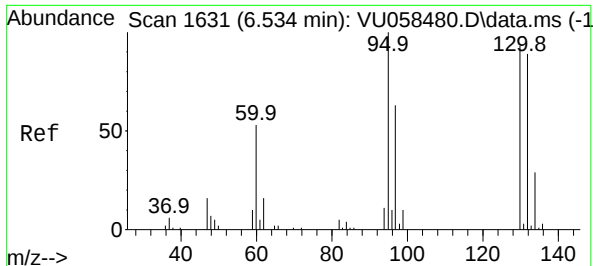
Tgt Ion:117 Resp: 44203
Ion Ratio Lower Upper
117 100
119 96.7 76.7 115.1



#33
Benzene
Concen: 5.371 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Tgt Ion: 78 Resp: 140674





#34

Trichloroethene

Concen: 5.282 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 34875

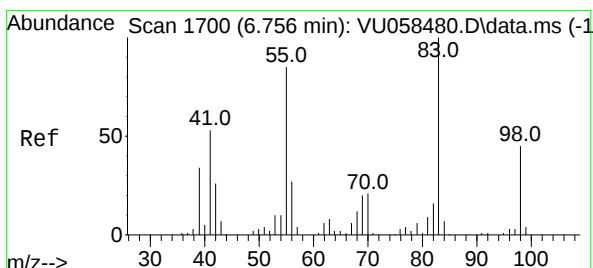
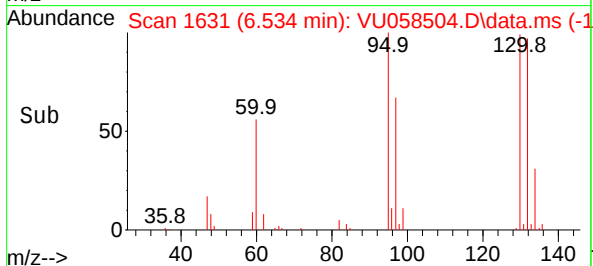
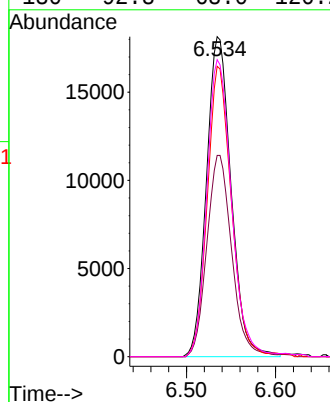
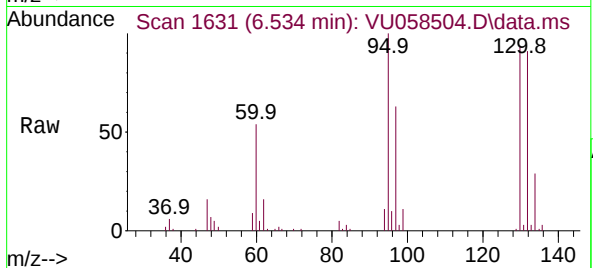
Ion Ratio Lower Upper

95 100

97 62.9 45.6 84.6

132 90.7 64.8 120.3

130 92.8 68.0 126.2



#35

Methylcyclohexane

Concen: 5.375 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

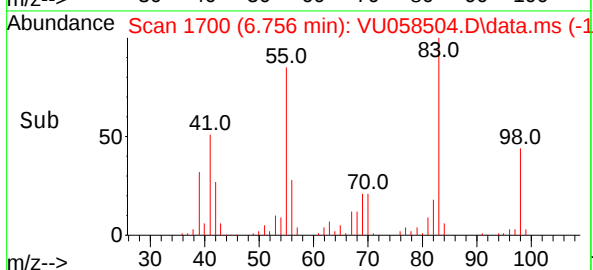
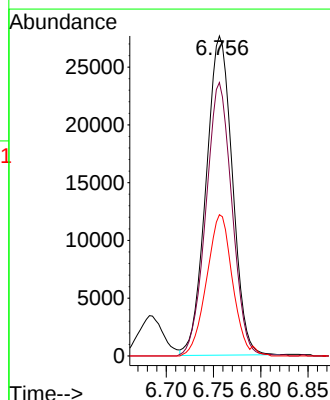
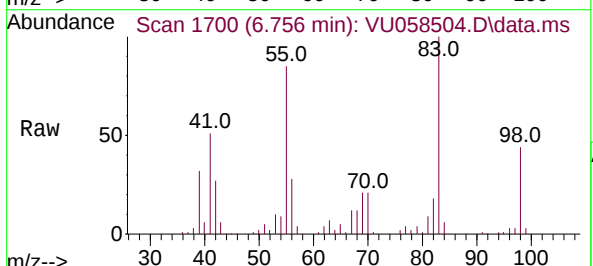
Tgt Ion: 83 Resp: 53468

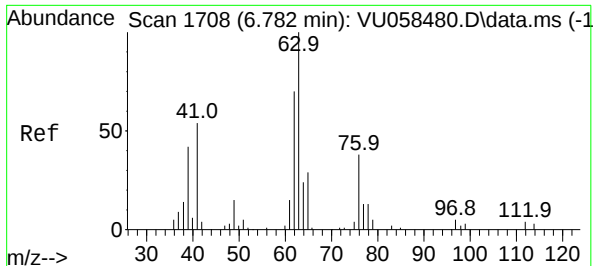
Ion Ratio Lower Upper

83 100

55 84.9 66.2 99.4

98 43.9 34.6 52.0

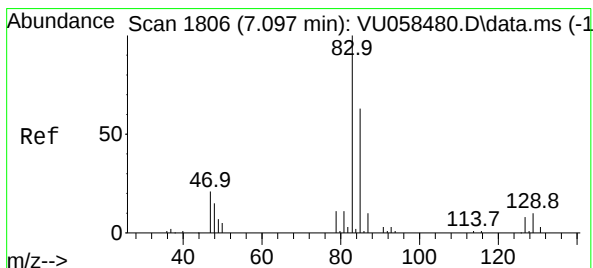
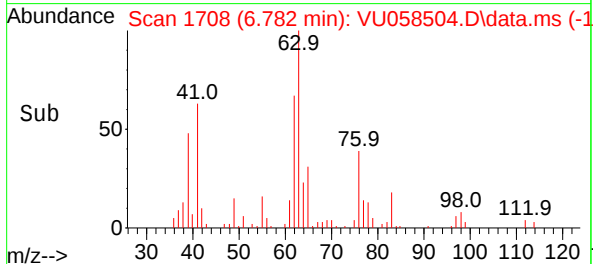
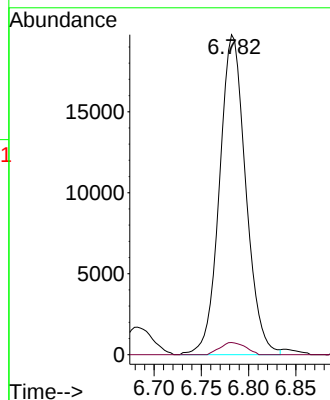
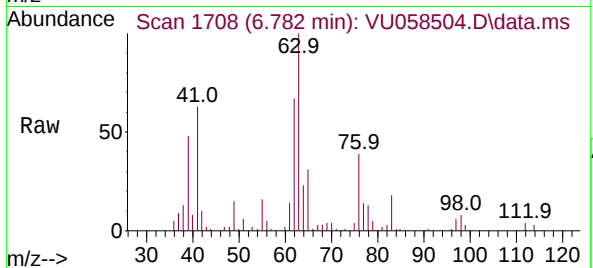




#37
1,2-Dichloropropane
Concen: 5.548 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

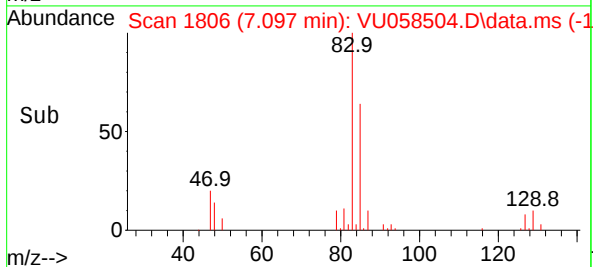
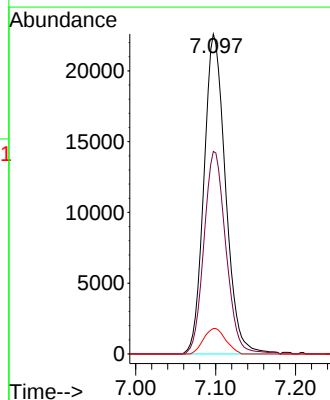
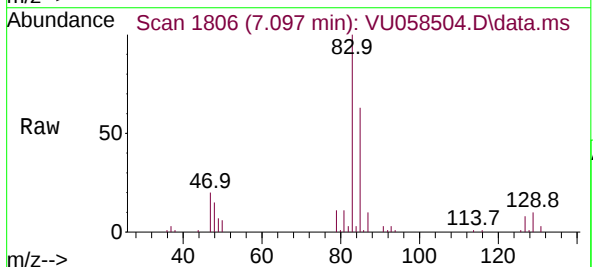
Instrument :
MSVOA_U
ClientSampleId :

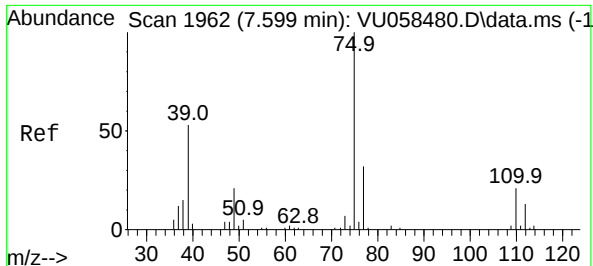
Tgt Ion: 63 Resp: 38230
Ion Ratio Lower Upper
63 100
112 3.7 2.6 4.0



#38
Bromodichloromethane
Concen: 5.396 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Tgt Ion: 83 Resp: 42441
Ion Ratio Lower Upper
83 100
85 63.3 44.2 82.2
127 8.0 6.5 9.7

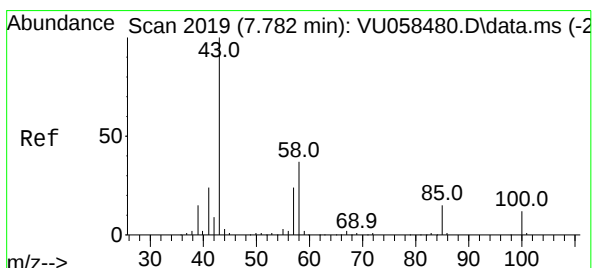
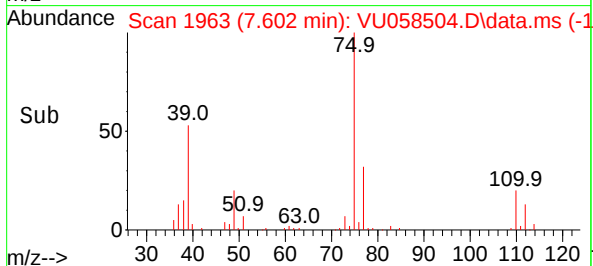
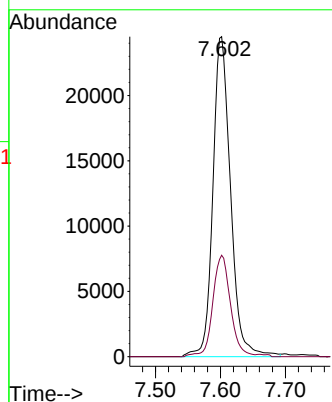
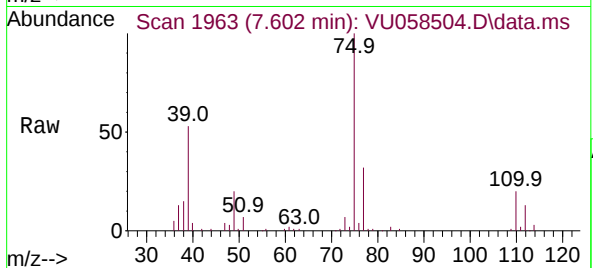




#39
cis-1,3-Dichloropropene
Concen: 5.289 ug/L
RT: 7.602 min Scan# 1962
Delta R.T. 0.003 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

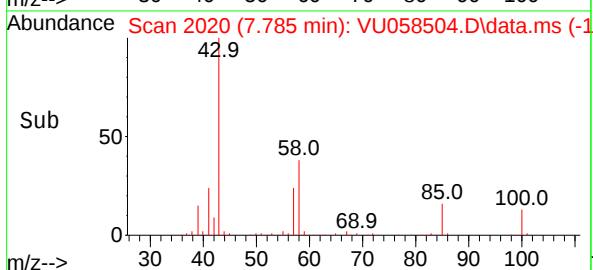
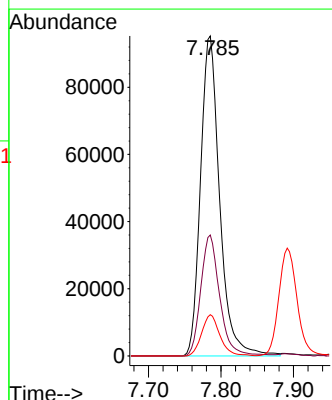
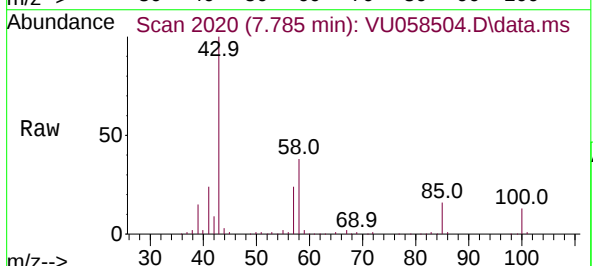
Instrument :
MSVOA_U
ClientSampleId :

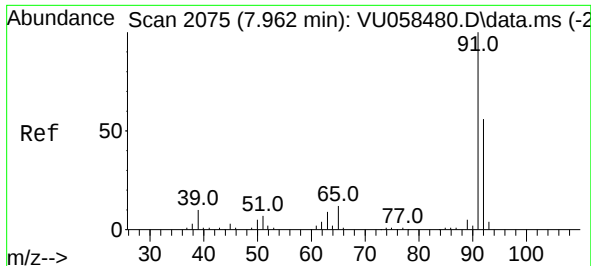
Tgt Ion: 75 Resp: 46345
Ion Ratio Lower Upper
75 100
77 31.7 22.7 42.3



#40
4-Methyl-2-pentanone
Concen: 53.891 ug/L
RT: 7.785 min Scan# 2020
Delta R.T. 0.003 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Tgt Ion: 43 Resp: 174805
Ion Ratio Lower Upper
43 100
58 37.3 30.4 45.6
100 12.4 10.3 15.5





#42

Toluene

Concen: 5.287 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Instrument :

MSVOA_U

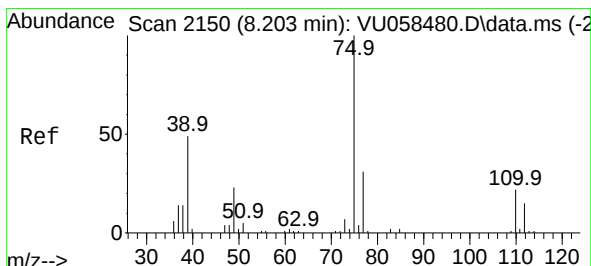
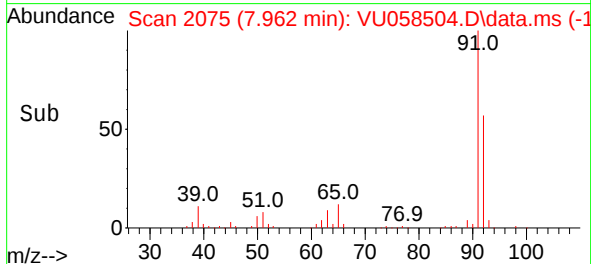
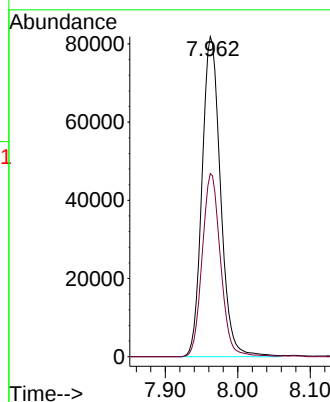
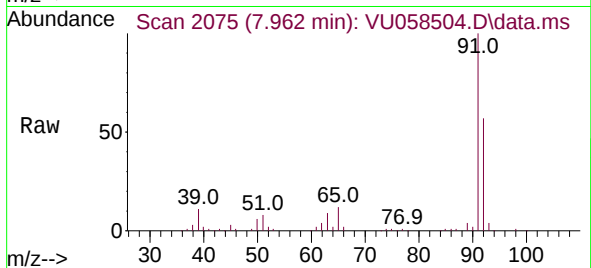
ClientSampleId :

Tgt Ion: 91 Resp: 145248

Ion Ratio Lower Upper

91 100

92 57.2 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 5.355 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU058504.D

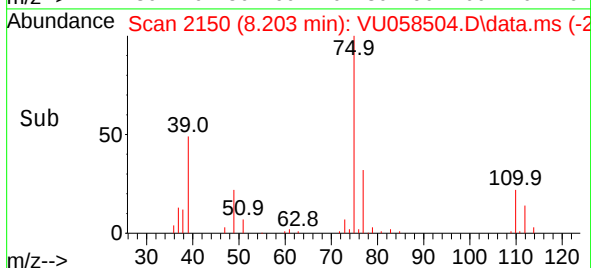
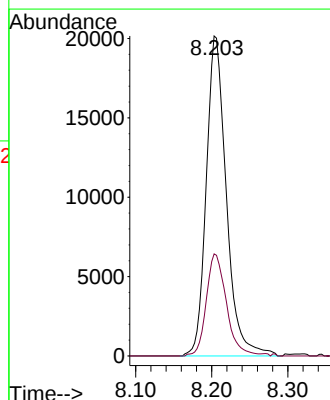
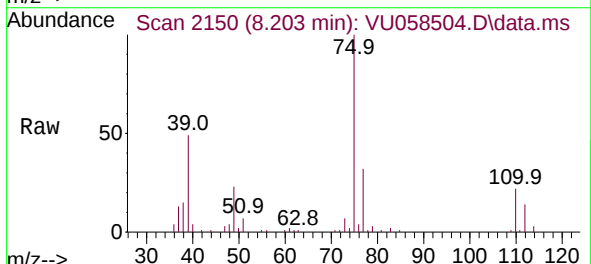
Acq: 09 Apr 2024 10:16

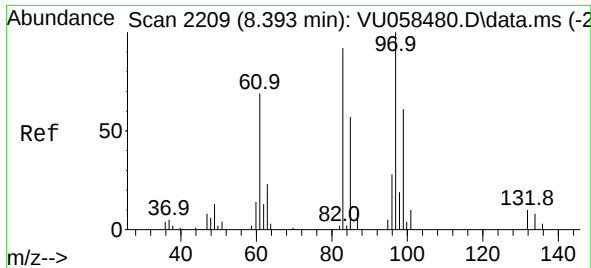
Tgt Ion: 75 Resp: 37007

Ion Ratio Lower Upper

75 100

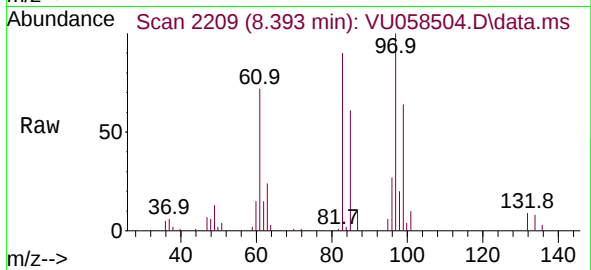
77 31.9 22.2 41.2



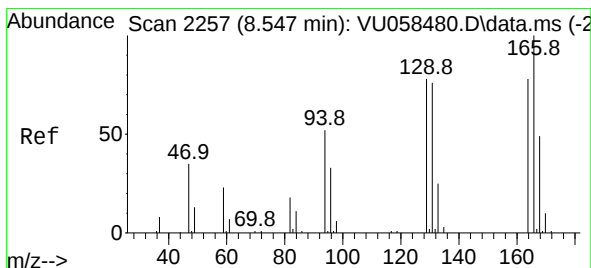
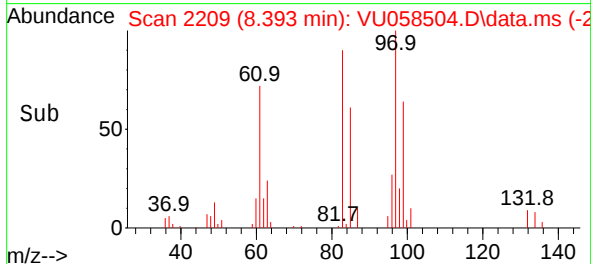
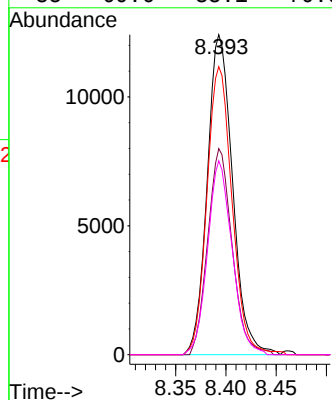


#45
1,1,2-Trichloroethane
Concen: 5.413 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Instrument :
MSVOA_U
ClientSampleId :

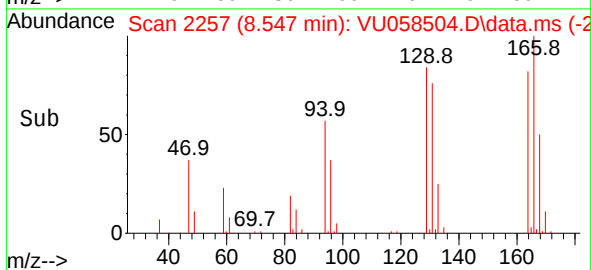
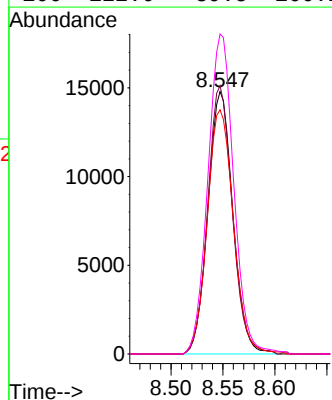
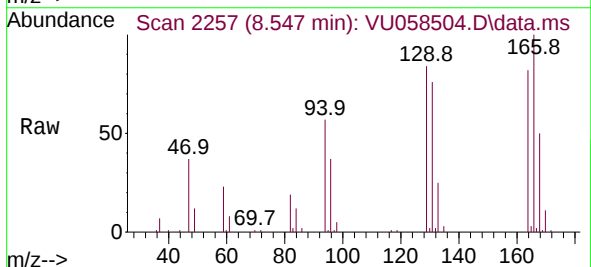


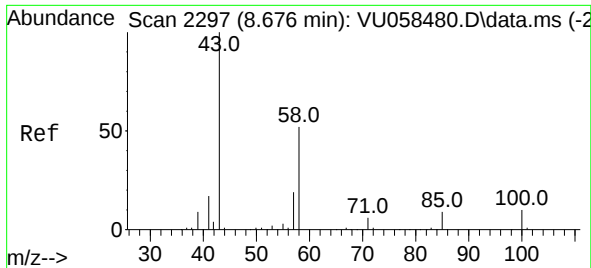
Tgt Ion:	97	Resp:	21785
Ion	Ratio	Lower	Upper
97	100		
99	64.4	43.7	81.1
83	90.0	64.5	119.7
85	60.6	38.1	70.9



#47
Tetrachloroethene
Concen: 5.105 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Tgt Ion:	164	Resp:	24708
Ion	Ratio	Lower	Upper
164	100		
129	102.3	67.3	125.1
131	93.1	65.5	121.6
166	122.0	89.5	166.1





#48

2-Hexanone

Concen: 53.964 ug/L

RT: 8.679 min Scan# 2297

Delta R.T. 0.003 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 124264

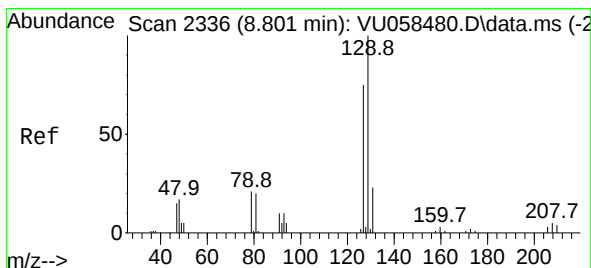
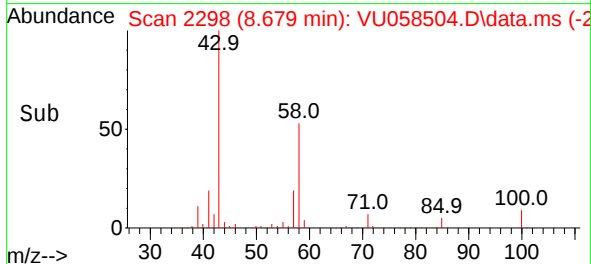
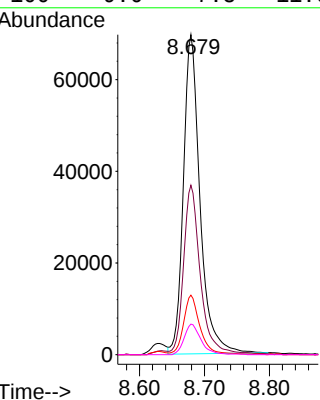
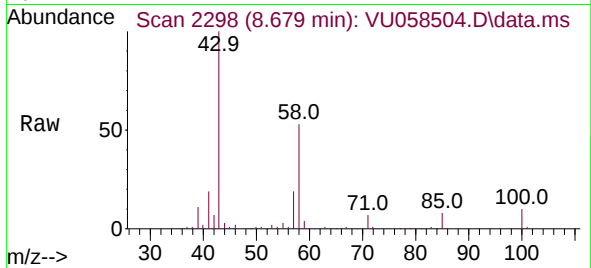
Ion Ratio Lower Upper

43 100

58 54.1 43.2 64.8

57 18.2 15.4 23.0

100 9.6 7.8 11.6



#49

Dibromochloromethane

Concen: 5.202 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU058504.D

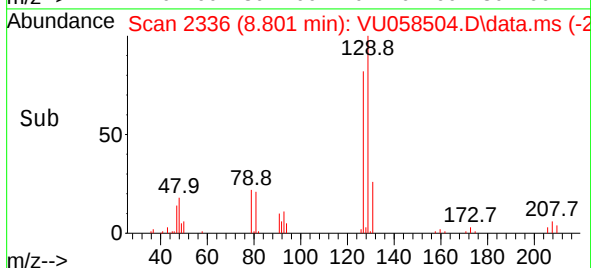
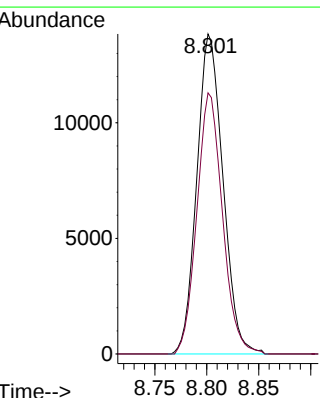
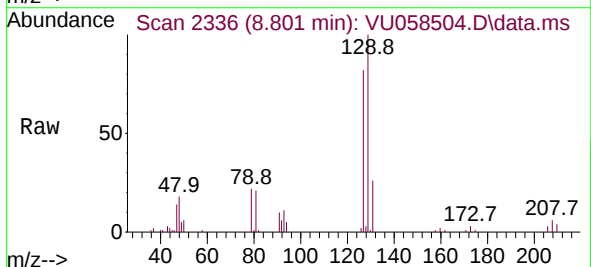
Acq: 09 Apr 2024 10:16

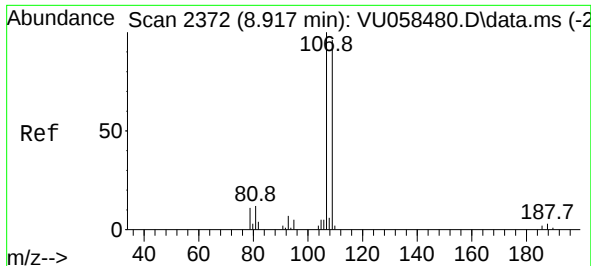
Tgt Ion:129 Resp: 24207

Ion Ratio Lower Upper

129 100

127 81.6 53.5 99.5





#50

1,2-Dibromoethane

Concen: 5.203 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

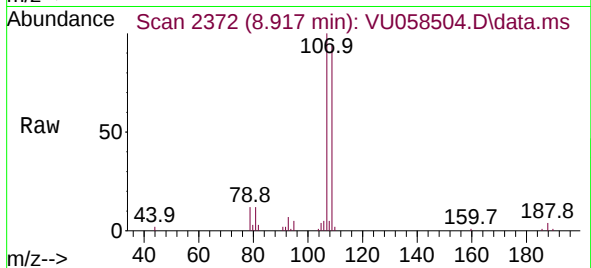
Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

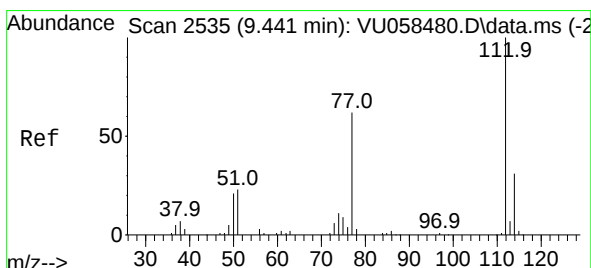
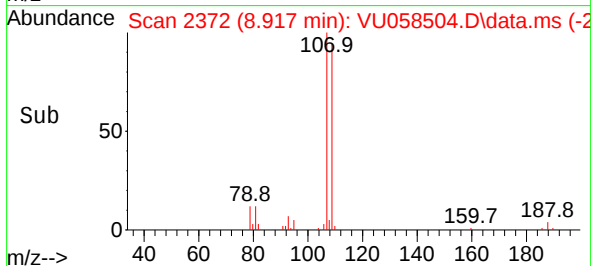
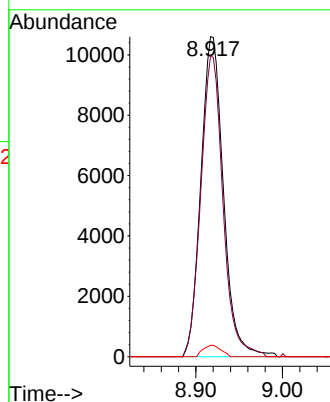
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	19152
Ion Ratio	Lower	Upper	
107	100		
109	94.2	67.3	124.9
188	3.5	2.5	3.7



#51

Chlorobenzene

Concen: 5.166 ug/L

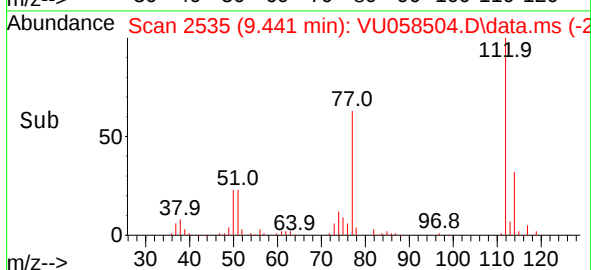
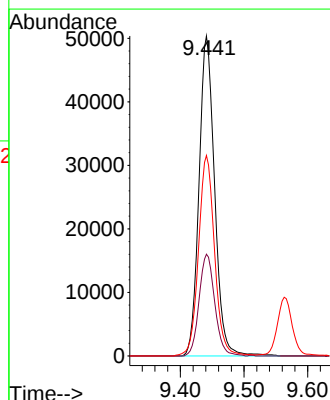
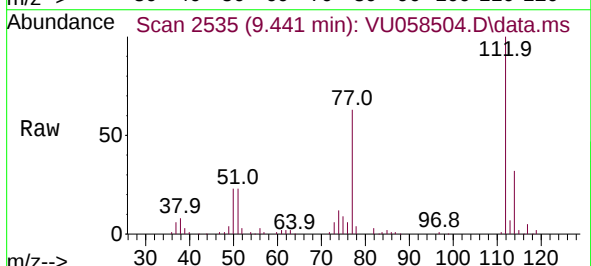
RT: 9.441 min Scan# 2535

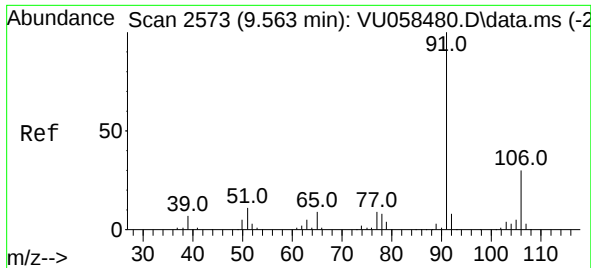
Delta R.T. 0.000 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Tgt Ion:	112	Resp:	85878
Ion Ratio	Lower	Upper	
112	100		
114	31.8	22.4	41.6
77	62.7	50.1	75.1

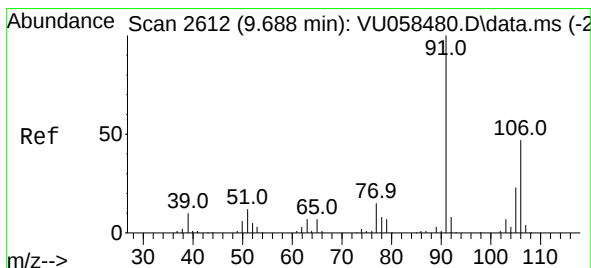
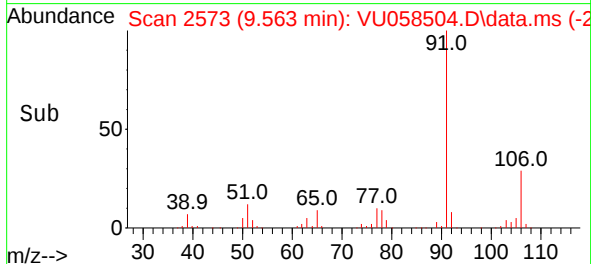
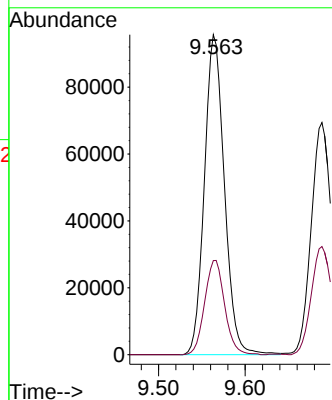
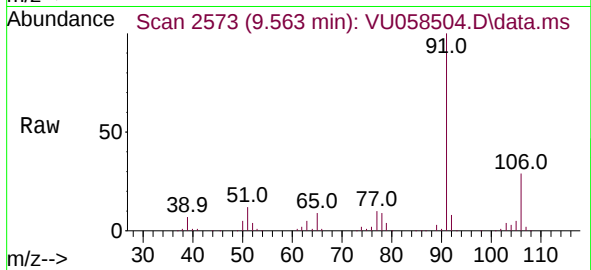




#52
Ethylbenzene
Concen: 5.269 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

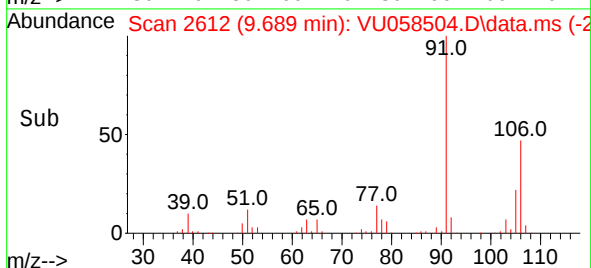
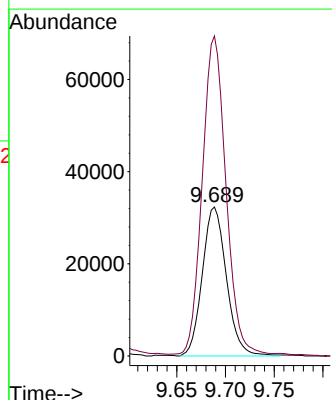
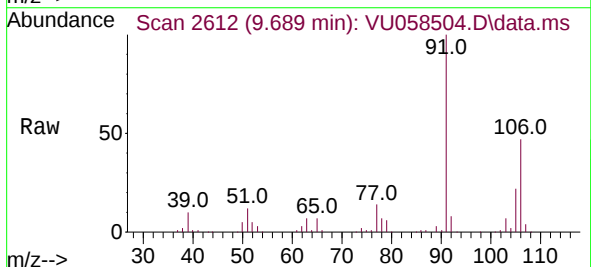
Instrument :
MSVOA_U
ClientSampleId :

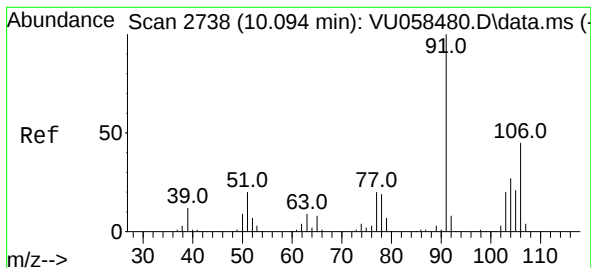
Tgt Ion: 91 Resp: 153361
Ion Ratio Lower Upper
91 100
106 29.4 20.6 38.4



#53
m,p-Xylene
Concen: 5.340 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Tgt Ion:106 Resp: 55652
Ion Ratio Lower Upper
106 100
91 214.7 147.8 274.4





#54

o-Xylene

Concen: 5.387 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Instrument :

MSVOA_U

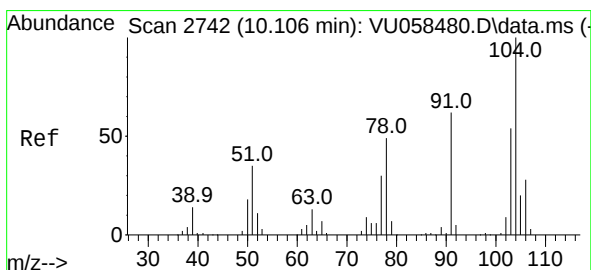
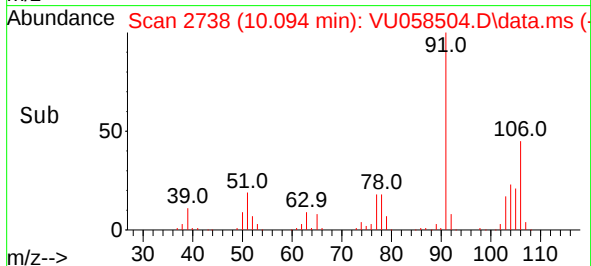
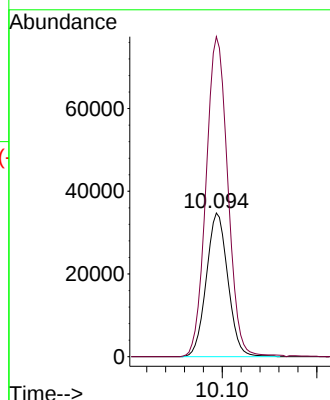
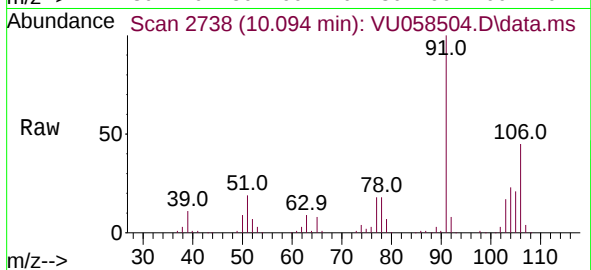
ClientSampleId :

Tgt Ion:106 Resp: 55049

Ion Ratio Lower Upper

106 100

91 222.7 156.9 291.5



#55

Styrene

Concen: 5.391 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.003 min

Lab File: VU058504.D

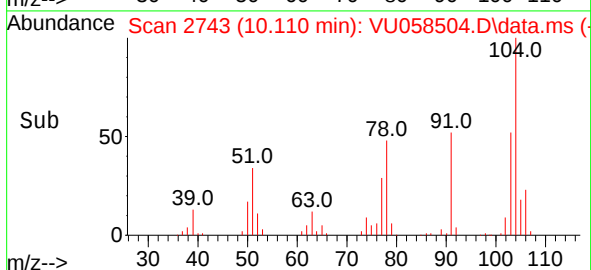
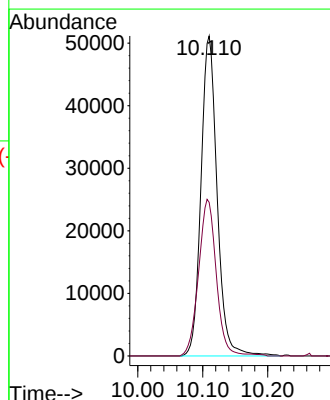
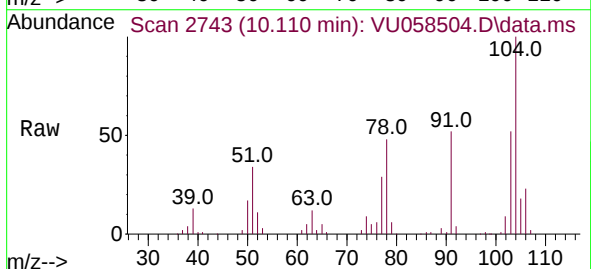
Acq: 09 Apr 2024 10:16

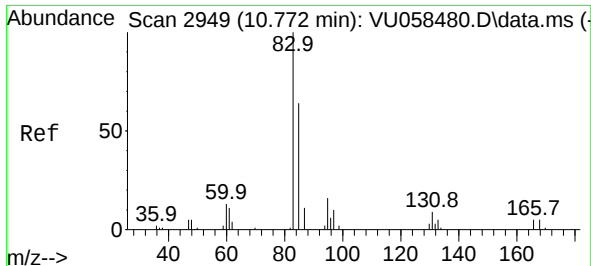
Tgt Ion:104 Resp: 88620

Ion Ratio Lower Upper

104 100

78 48.0 33.9 63.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.200 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Instrument :

MSVOA_U

ClientSampleId :

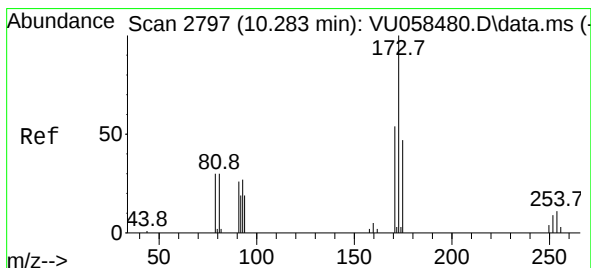
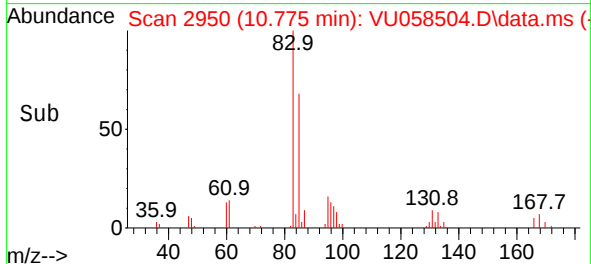
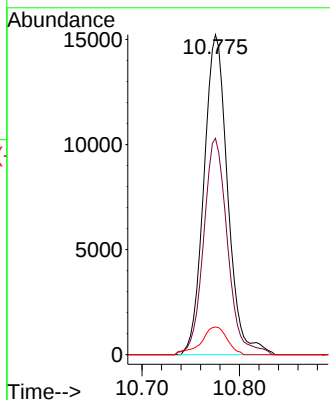
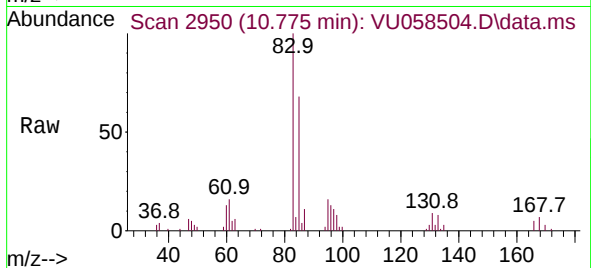
Tgt Ion: 83 Resp: 25818

Ion Ratio Lower Upper

83 100

85 67.6 45.1 83.7

131 8.6 6.9 10.3



#59

Bromoform

Concen: 5.097 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

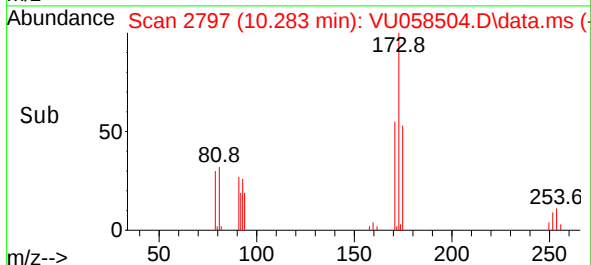
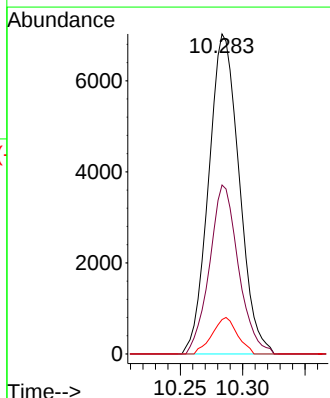
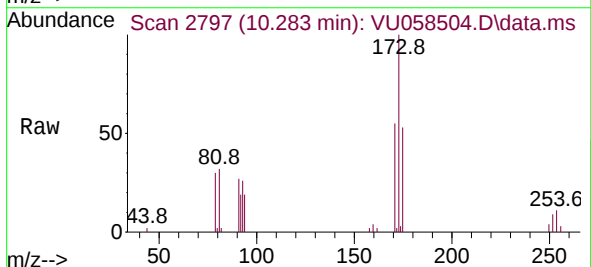
Tgt Ion:173 Resp: 11963

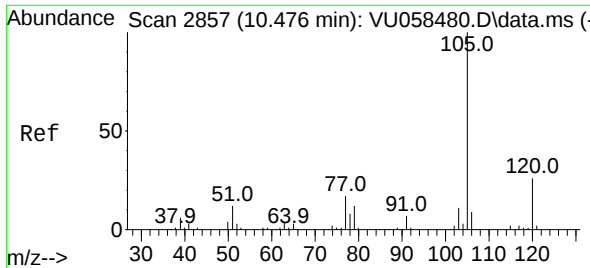
Ion Ratio Lower Upper

173 100

175 50.1 38.0 57.0

254 9.4 7.5 11.3

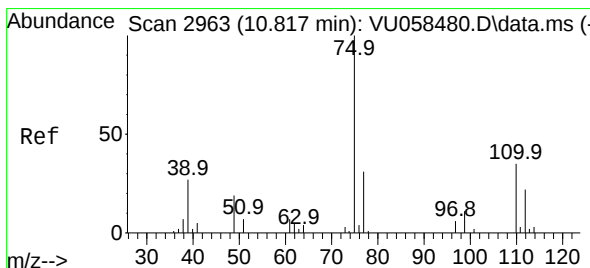
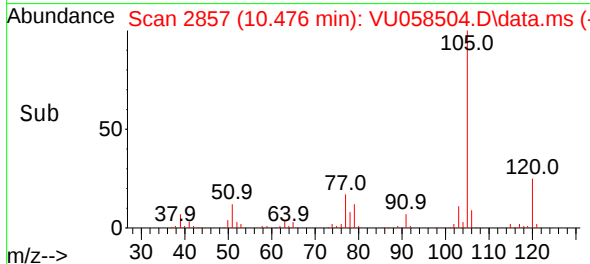
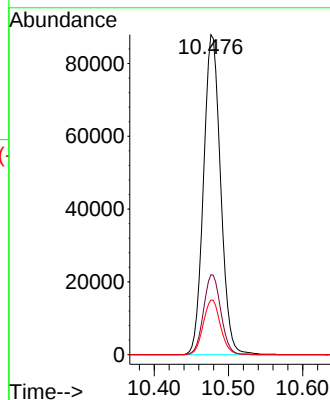
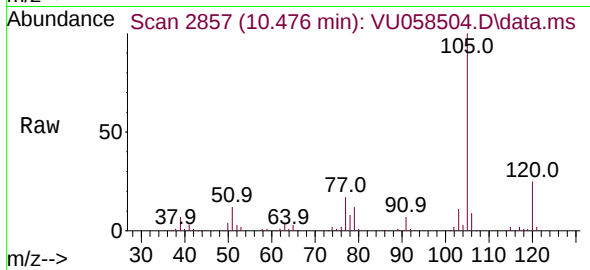




#60
Isopropylbenzene
Concen: 5.454 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

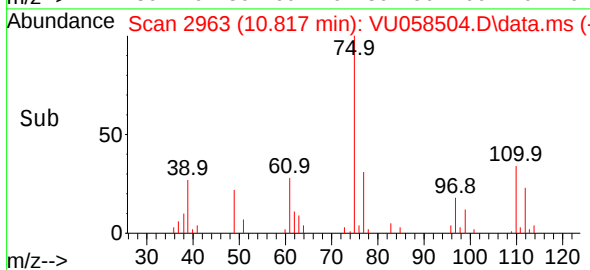
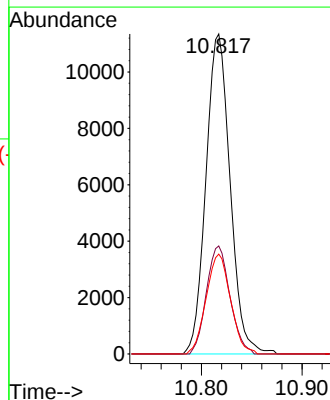
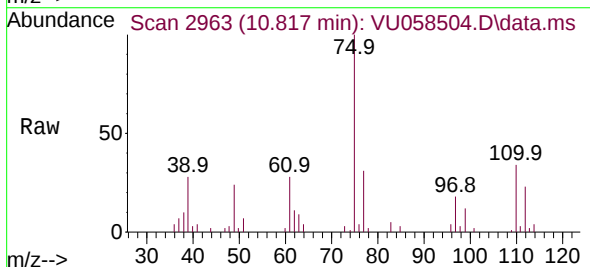
Instrument :
MSVOA_U
ClientSampleId :

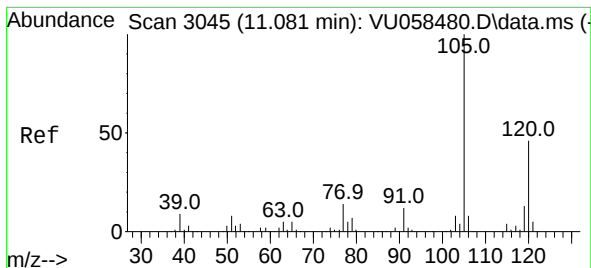
Tgt Ion:105 Resp: 140255
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.4
77 17.3 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 5.289 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU058504.D
Acq: 09 Apr 2024 10:16

Tgt Ion: 75 Resp: 18958
Ion Ratio Lower Upper
75 100
110 32.8 25.8 38.6
77 31.4 25.1 37.7





#62

1,3,5-Trimethylbenzene

Concen: 5.430 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Instrument :

MSVOA_U

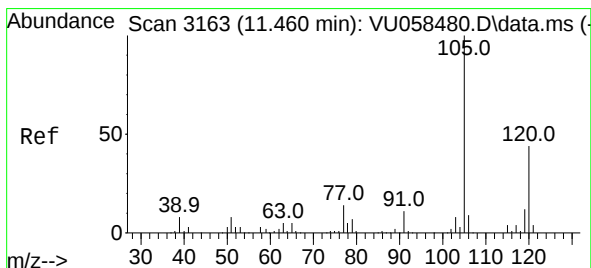
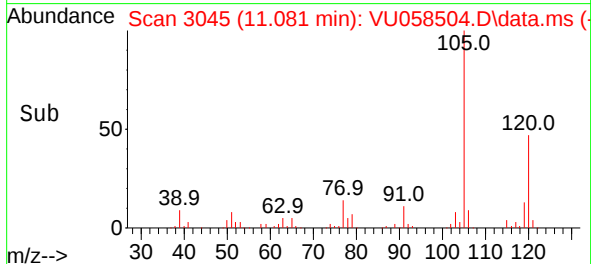
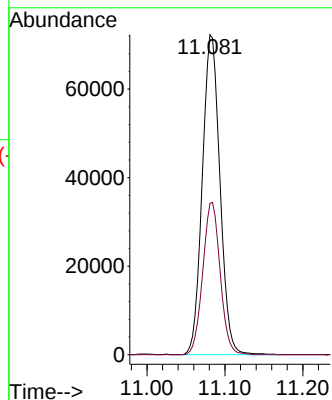
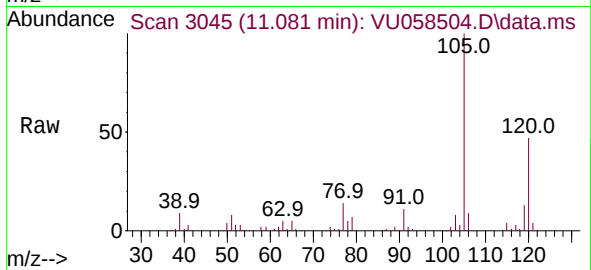
ClientSampleId :

Tgt Ion:105 Resp: 113883

Ion Ratio Lower Upper

105 100

120 46.9 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 5.402 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU058504.D

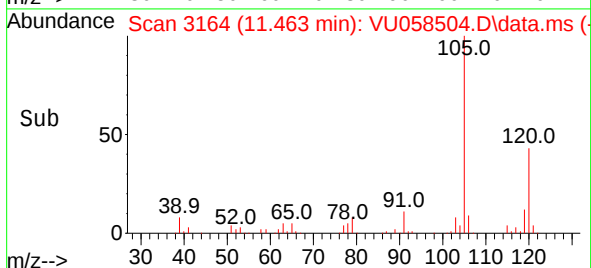
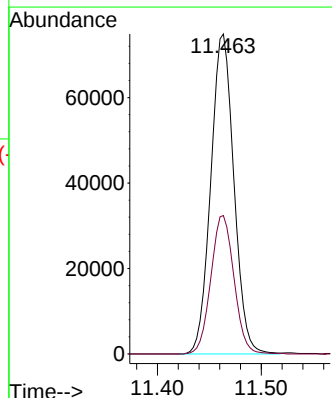
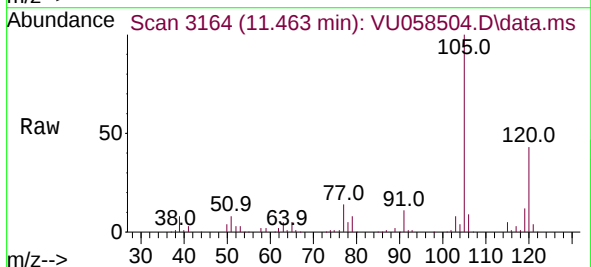
Acq: 09 Apr 2024 10:16

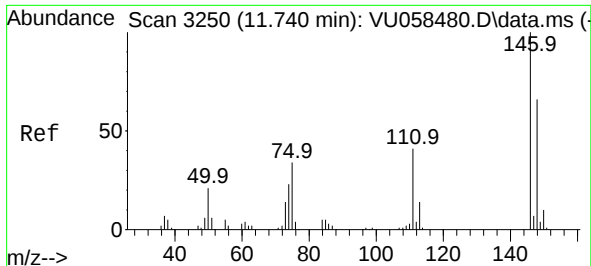
Tgt Ion:105 Resp: 115670

Ion Ratio Lower Upper

105 100

120 43.3 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 5.235 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Instrument :

MSVOA_U

ClientSampleId :

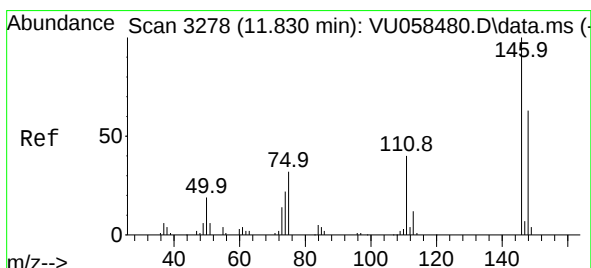
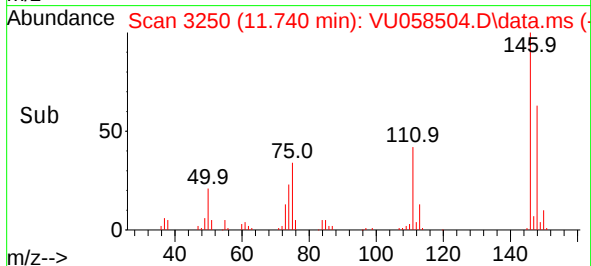
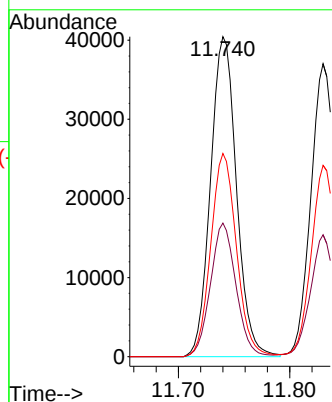
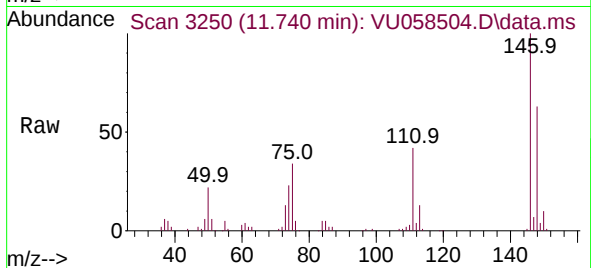
Tgt Ion:146 Resp: 65397

Ion Ratio Lower Upper

146 100

111 41.7 28.8 53.4

148 63.5 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 5.021 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

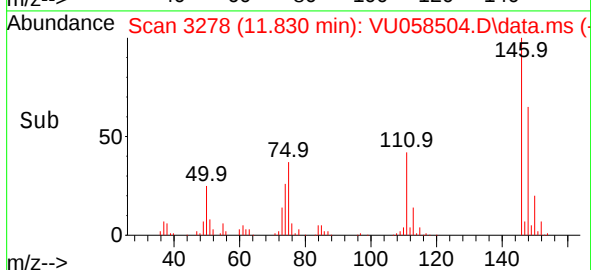
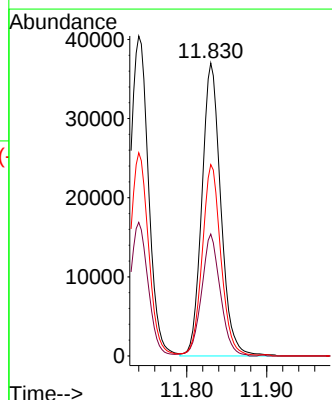
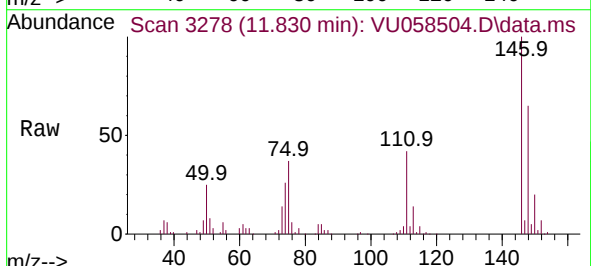
Tgt Ion:146 Resp: 61106

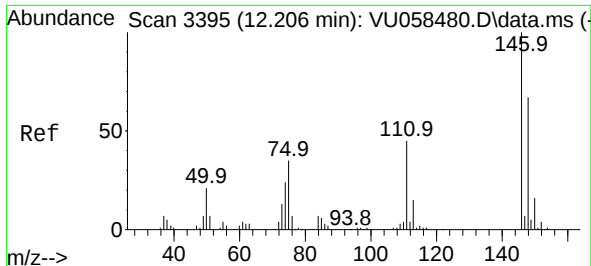
Ion Ratio Lower Upper

146 100

111 41.6 28.8 53.6

148 65.3 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 5.103 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Instrument :

MSVOA_U

ClientSampleId :

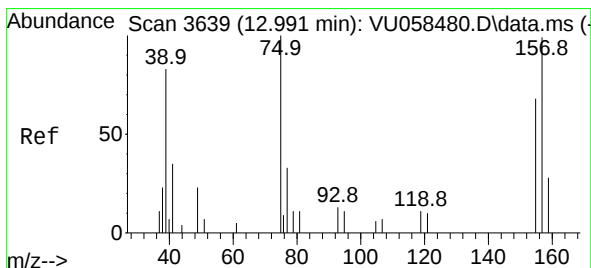
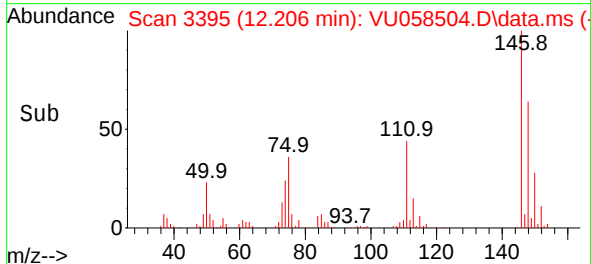
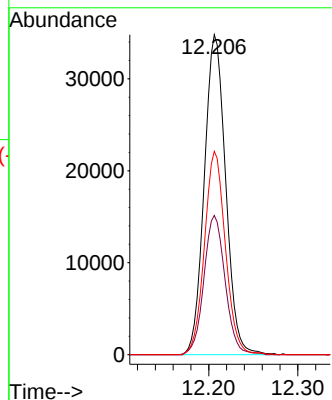
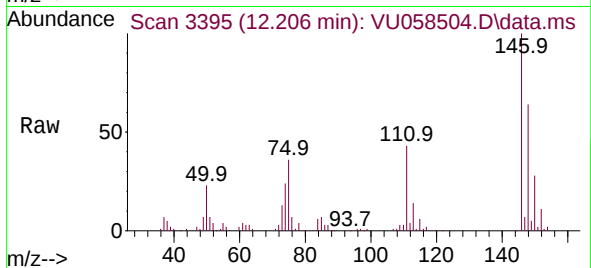
Tgt Ion:146 Resp: 57984

Ion Ratio Lower Upper

146 100

111 43.5 35.0 52.4

148 63.6 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.684 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

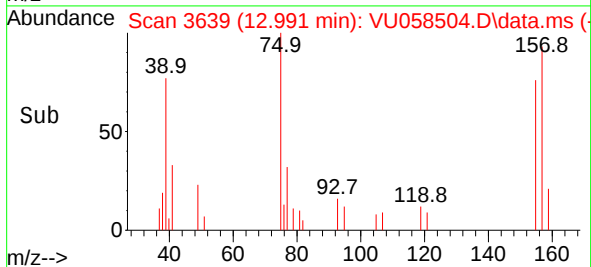
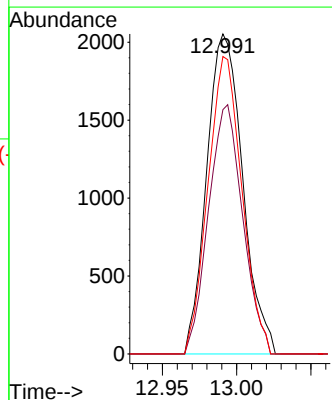
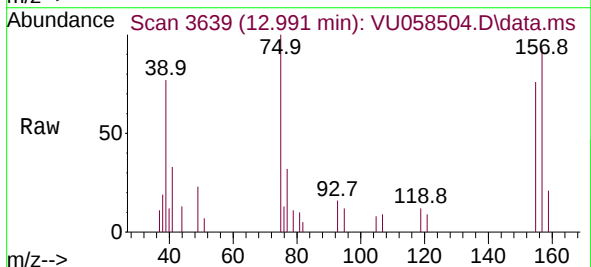
Tgt Ion: 75 Resp: 3455

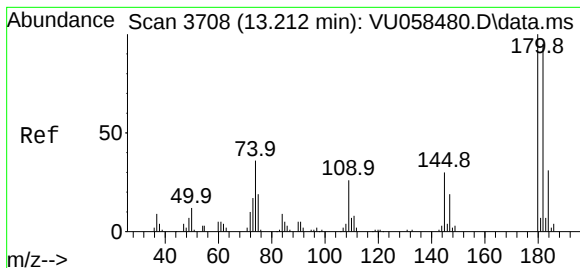
Ion Ratio Lower Upper

75 100

155 76.3 61.4 92.0

157 92.9 81.7 122.5





#69

1,3,5-Trichlorobenzene

Concen: 5.144 ug/L

RT: 13.216 min Scan# 3708

Delta R.T. 0.003 min

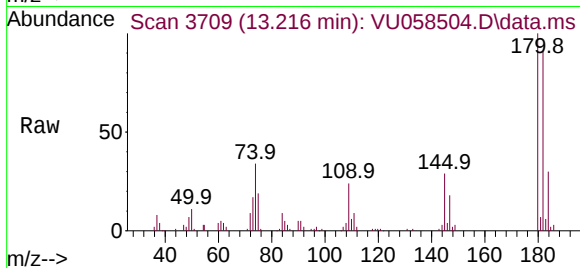
Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 47521

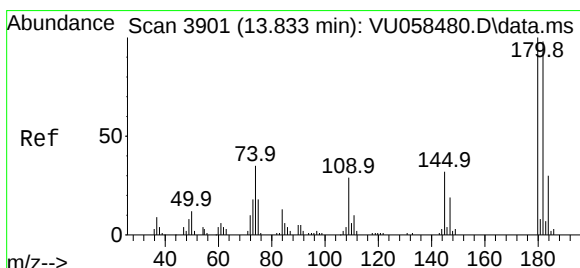
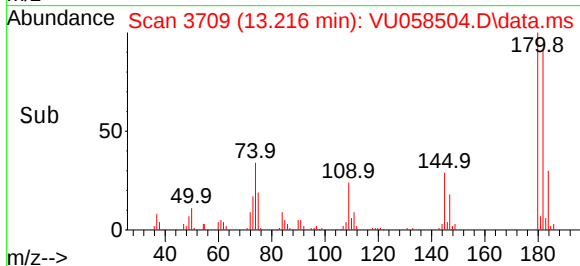
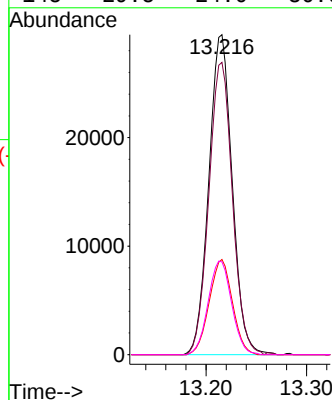
Ion Ratio Lower Upper

180 100

182 92.2 75.7 113.5

184 29.5 24.3 36.5

145 29.5 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.762 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

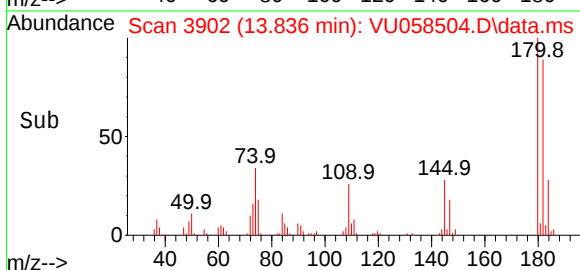
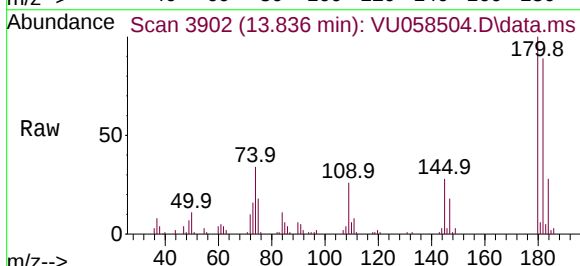
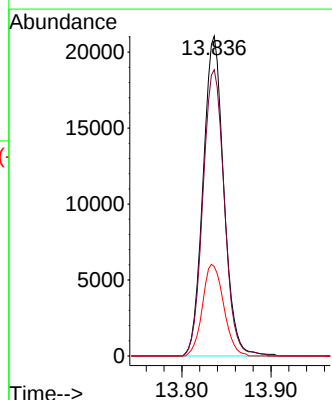
Tgt Ion:180 Resp: 33924

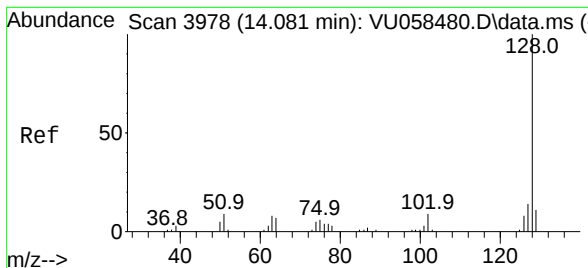
Ion Ratio Lower Upper

180 100

182 92.4 74.4 111.6

145 29.4 24.1 36.1





#71

Naphthalene

Concen: 4.302 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Instrument :

MSVOA_U

ClientSampleId :

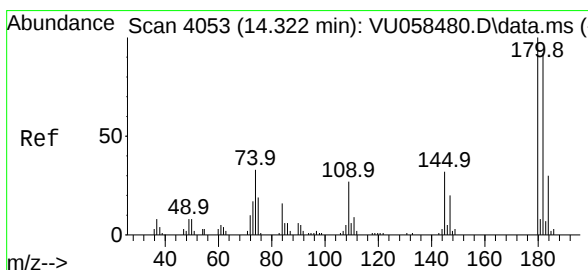
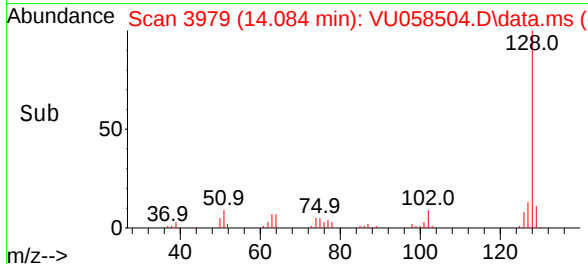
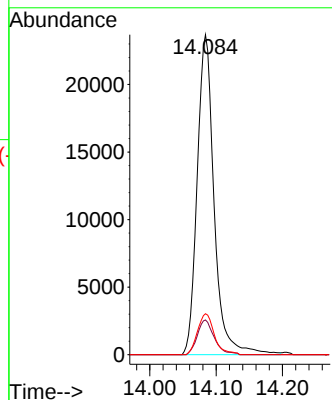
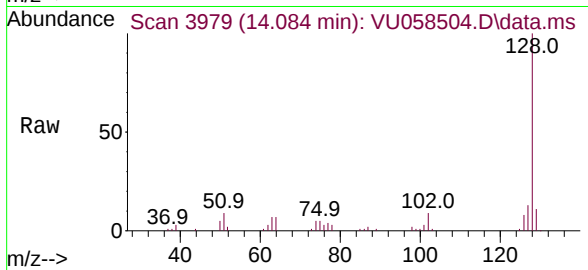
Tgt Ion:128 Resp: 41990

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 12.7 11.0 16.6



#72

1,2,3-Trichlorobenzene

Concen: 4.700 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU058504.D

Acq: 09 Apr 2024 10:16

Tgt Ion:180 Resp: 27648

Ion Ratio Lower Upper

180 100

182 93.7 75.9 113.9

145 32.3 25.2 37.8

