

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U020824\
 Data File : U057854.D
 Acq On : 08 Feb 2024 09:49
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 09 04:03:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:18:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	254147	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	239854	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123263	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	93443	45.936	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.880%
7) Chloroethane-d5	1.888	69	73369	46.492	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.980%
11) 1,1-Dichloroethene-d2	2.560	63	173450	46.426	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.860%
21) 2-Butanone-d5	4.611	46	97550	86.409	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.410%
24) Chloroform-d	5.052	84	168432	46.676	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.360%
26) 1,2-Dichloroethane-d4	5.692	65	107747	47.102	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.200%
32) Benzene-d6	5.717	84	336450	46.432	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.860%
36) 1,2-Dichloropropane-d6	6.682	67	104691	45.752	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.500%
41) Toluene-d8	7.891	98	304180	46.304	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	8.174	79	51496	46.004	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.000%
47) 2-Hexanone-d5	8.627	63	90499	96.892	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.890%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	151966	51.017	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.040%
66) 1,2-Dichlorobenzene-d4	12.190	152	115109	48.608	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	117409	52.253	ug/L	99
3) Chloromethane	1.515	50	110082	52.385	ug/L	99
5) Vinyl chloride	1.602	62	114571	51.604	ug/L	95
6) Bromomethane	1.827	94	50264	36.802	ug/L	100
8) Chloroethane	1.914	64	70121	52.906	ug/L	99
9) Trichlorofluoromethane	2.126	101	160482	51.696	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	95747	52.255	ug/L	99
12) 1,1-Dichloroethene	2.570	96	85547	51.121	ug/L	97
13) Acetone	2.611	43	129258	89.124	ug/L	99
14) Carbon disulfide	2.782	76	257333	49.797	ug/L	100
15) Methyl Acetate	2.936	43	96045	52.054	ug/L	99
16) Methylene chloride	3.036	84	97185	50.266	ug/L	97
17) trans-1,2-Dichloroethene	3.341	96	87272	51.178	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	305892	51.101	ug/L	100
19) 1,1-Dichloroethane	3.856	63	177851	51.970	ug/L	100
20) cis-1,2-Dichloroethene	4.656	96	100910	51.267	ug/L	96
22) 2-Butanone	4.689	43	152048	98.377	ug/L	98
23) Bromochloromethane	4.965	128	49390	51.183	ug/L	95
25) Chloroform	5.078	83	182605	52.104	ug/L	99

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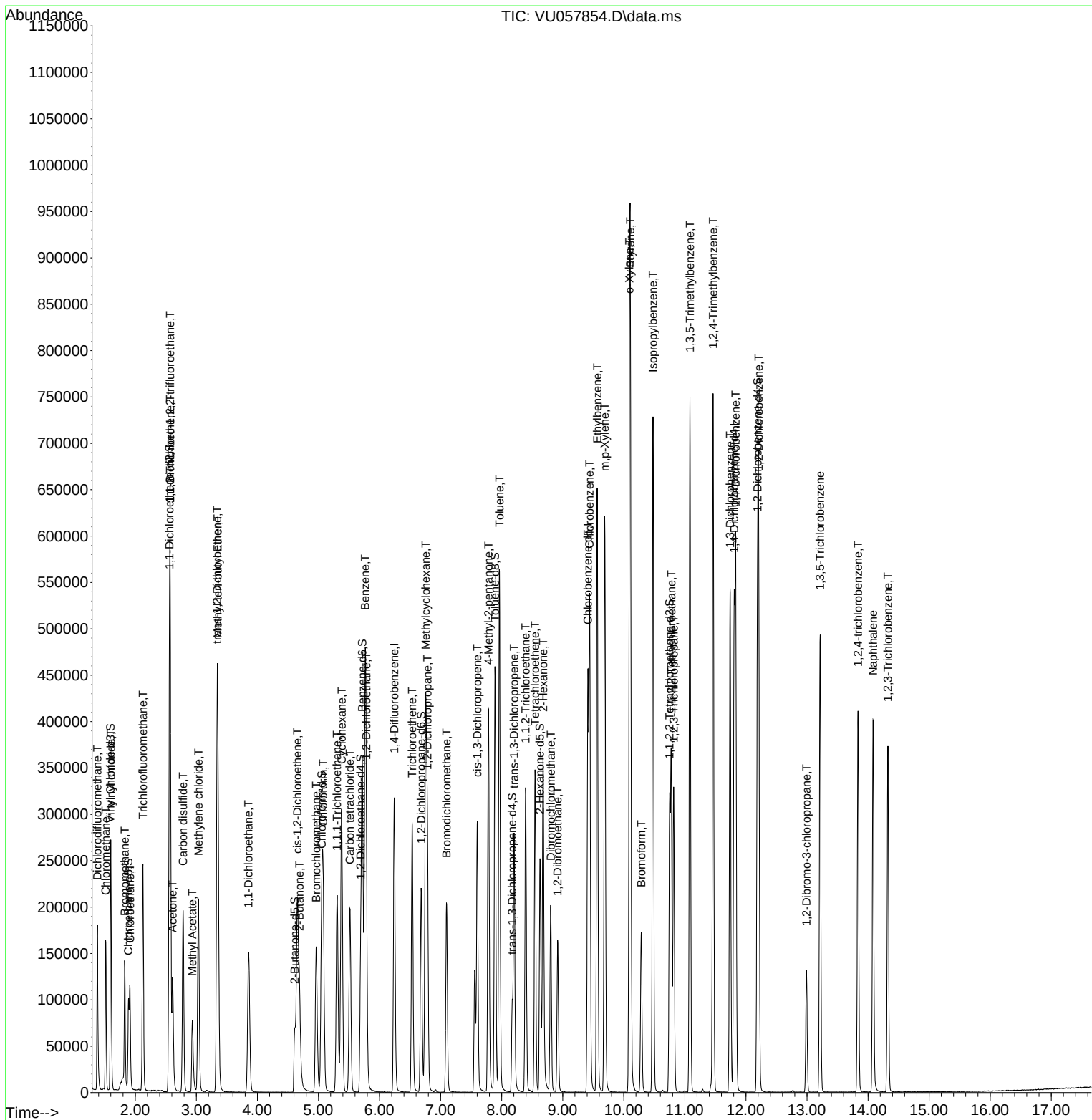
Instrument :
 MSVOA_U
 ClientSampleId :

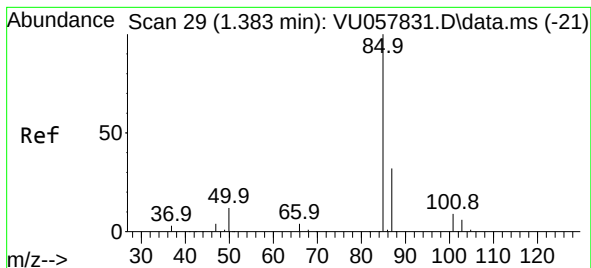
Quant Time: Feb 09 04:03:14 2024
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 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:18:21 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	146429	50.454	ug/L	100
29) Cyclohexane	5.380	56	159156	50.994	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	155561	50.283	ug/L	99
31) Carbon tetrachloride	5.515	117	136319	50.608	ug/L	99
33) Benzene	5.766	78	390676	51.453	ug/L	100
34) Trichloroethene	6.534	95	100876	49.409	ug/L	98
35) Methylcyclohexane	6.756	83	166966	51.118	ug/L	99
37) 1,2-Dichloropropane	6.785	63	107554	51.667	ug/L	100
38) Bromodichloromethane	7.097	83	135289	51.617	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	170756	50.607	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	275807	106.437	ug/L	99
42) Toluene	7.965	91	407390	51.229	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	158070	51.028	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	99106	51.559	ug/L	99
46) Tetrachloroethene	8.547	164	73102	51.621	ug/L	98
48) 2-Hexanone	8.679	43	234186	103.887	ug/L	98
49) Dibromochloromethane	8.804	129	101891	52.557	ug/L	99
50) 1,2-Dibromoethane	8.917	107	105359	51.301	ug/L	95
51) Chlorobenzene	9.441	112	268666	53.197	ug/L	98
52) Ethylbenzene	9.566	91	461410	51.150	ug/L	100
53) m,p-Xylene	9.688	106	171791	51.819	ug/L	97
54) o-Xylene	10.094	106	168187	52.100	ug/L	96
55) Styrene	10.110	104	289356	53.696	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	175153	56.542	ug/L	99
59) Bromoform	10.286	173	75819	52.951	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	135739	52.607	ug/L	99
61) Isopropylbenzene	10.479	105	460872	51.181	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	396809	52.512	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	404901	53.536	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	209713	53.750	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	214063	53.490	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	209355	53.228	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.990	75	34258	52.346	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	146061	53.152	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	118811	50.614	ug/L	100
71) Naphthalene	14.084	128	312412	49.647	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	106089	48.300	ug/L	99

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

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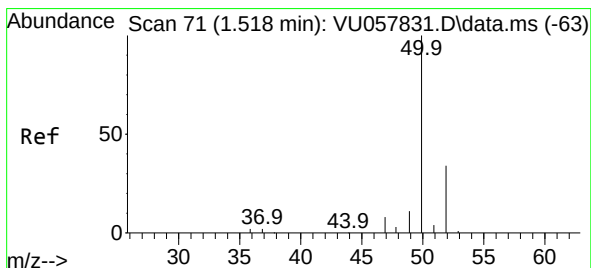
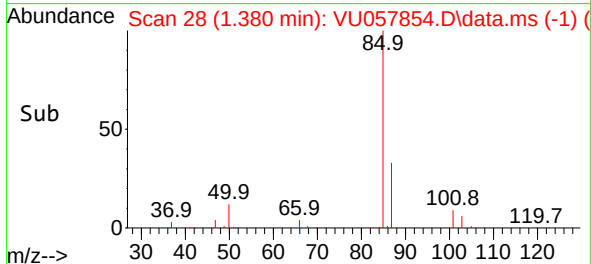
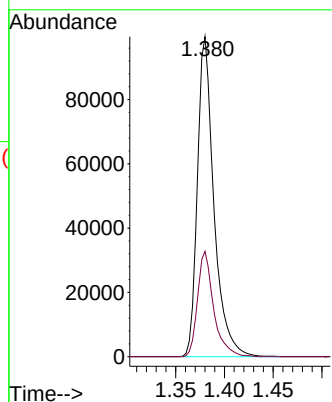
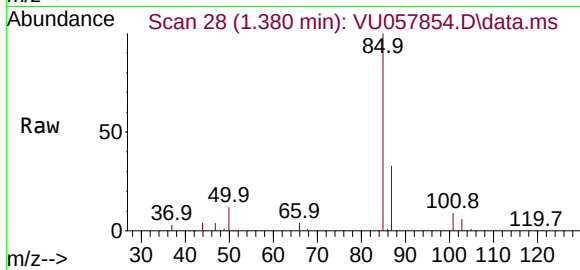




#2
Dichlorodifluoromethane
Concen: 52.253 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

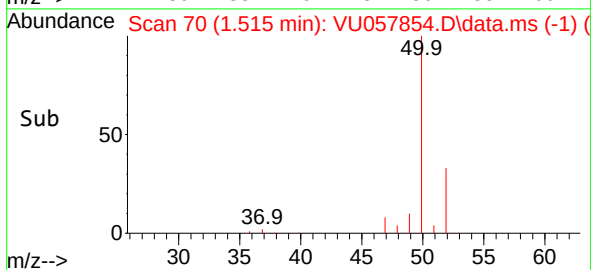
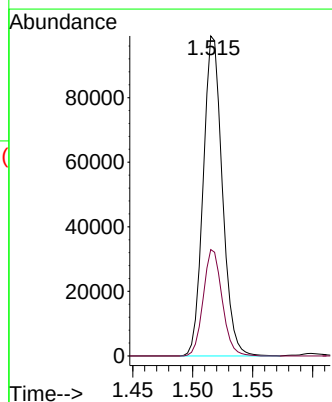
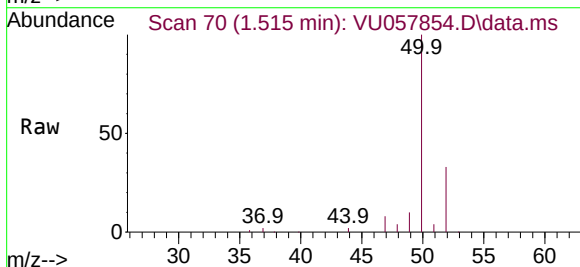
Instrument :
MSVOA_U
ClientSampleId :

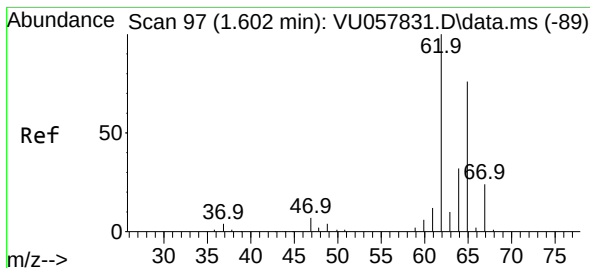
Tgt Ion: 85 Resp: 117409
Ion Ratio Lower Upper
85 100
87 32.1 25.4 38.0



#3
Chloromethane
Concen: 52.385 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

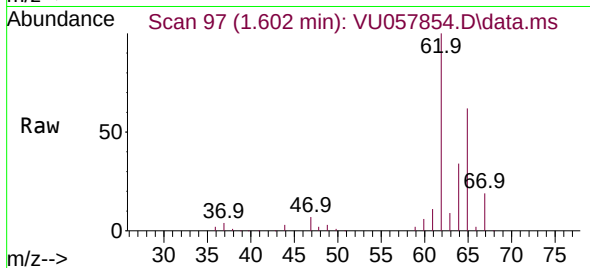
Tgt Ion: 50 Resp: 110082
Ion Ratio Lower Upper
50 100
52 33.3 23.7 43.9



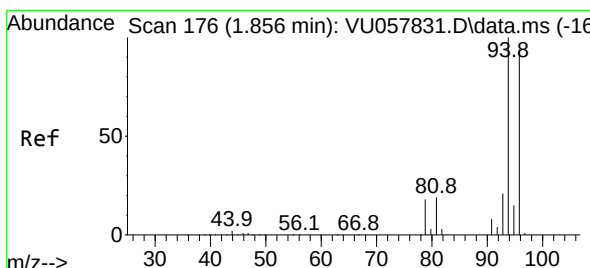
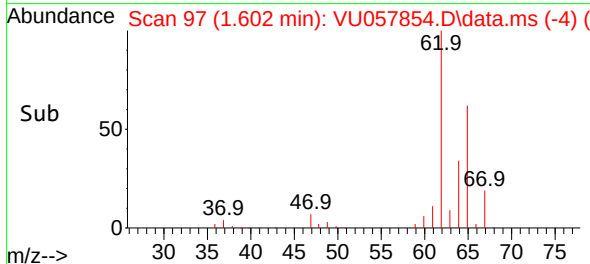
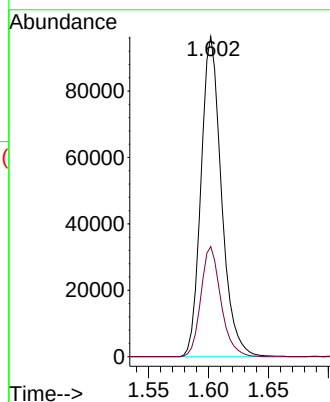


#5
Vinyl chloride
Concen: 51.604 ug/L
RT: 1.602 min Scan# 91
Delta R.T. -0.000 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

Instrument :
MSVOA_U
ClientSampleId :

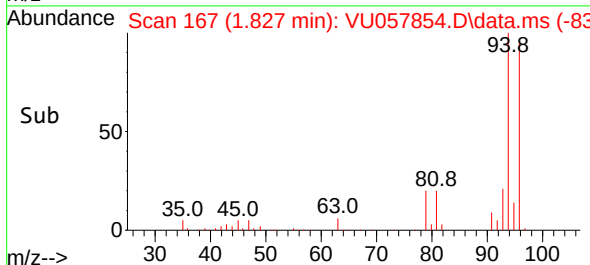
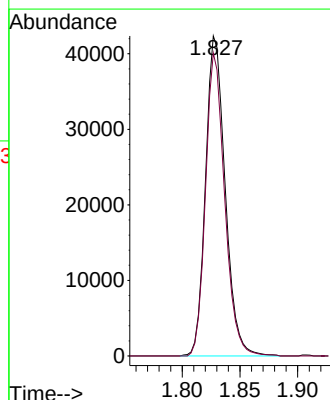
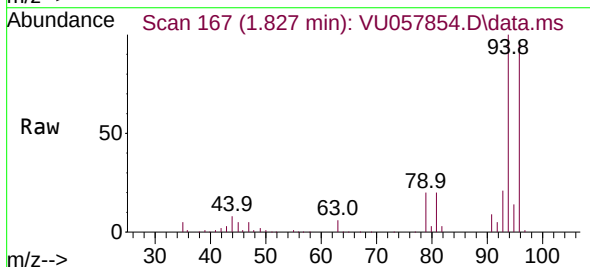


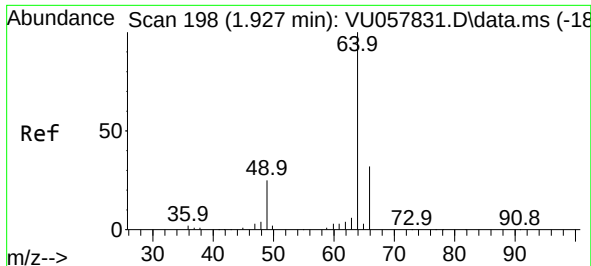
Tgt Ion: 62 Resp: 114571
Ion Ratio Lower Upper
62 100
64 34.4 22.1 41.1



#6
Bromomethane
Concen: 36.802 ug/L
RT: 1.827 min Scan# 167
Delta R.T. -0.029 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

Tgt Ion: 94 Resp: 50264
Ion Ratio Lower Upper
94 100
96 94.6 66.0 122.6





#8

Chloroethane

Concen: 52.906 ug/L

RT: 1.914 min Scan# 19

Delta R.T. -0.013 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

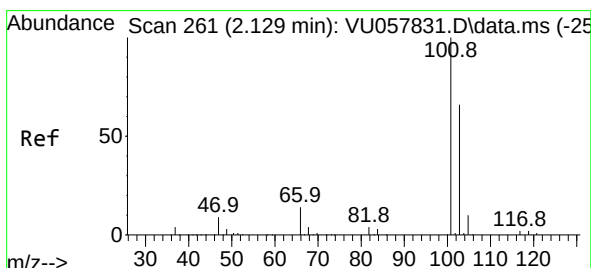
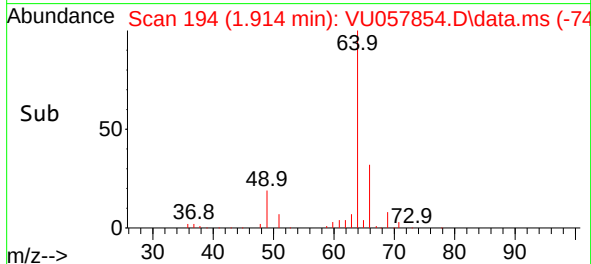
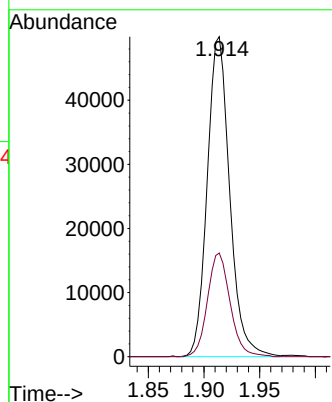
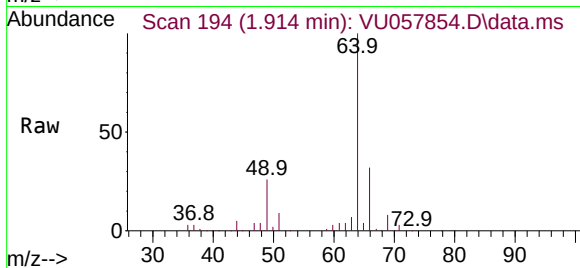
ClientSampleId :

Tgt Ion: 64 Resp: 70121

Ion Ratio Lower Upper

64 100

66 32.4 22.1 41.1



#9

Trichlorofluoromethane

Concen: 51.696 ug/L

RT: 2.126 min Scan# 260

Delta R.T. -0.003 min

Lab File: VU057854.D

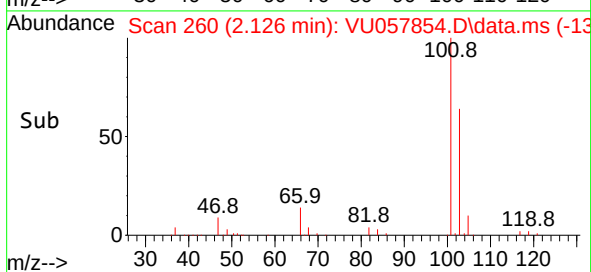
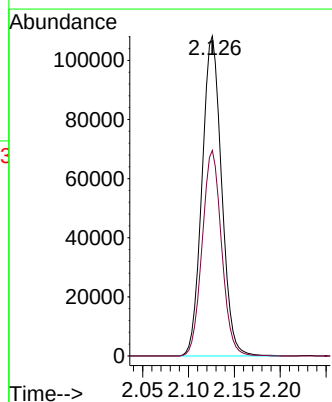
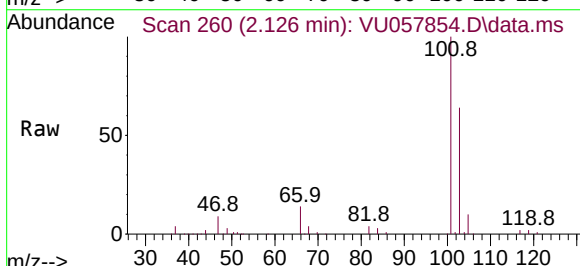
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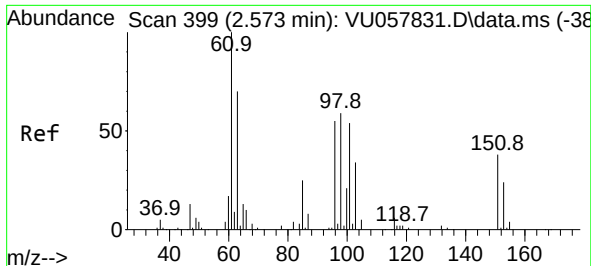
Tgt Ion:101 Resp: 160482

Ion Ratio Lower Upper

101 100

103 63.7 52.4 78.6

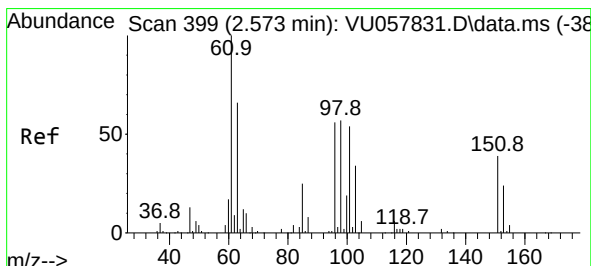
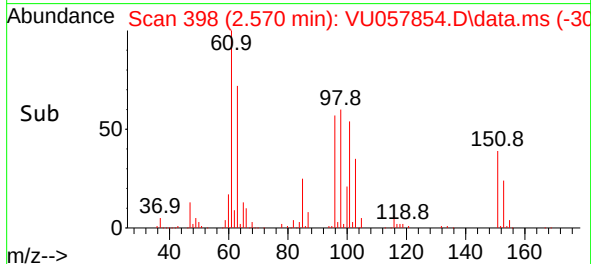
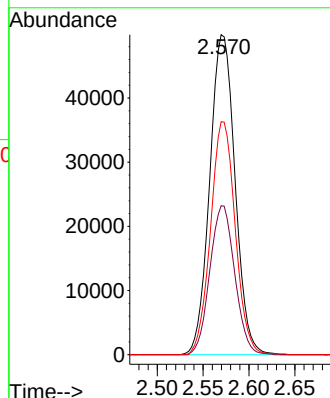
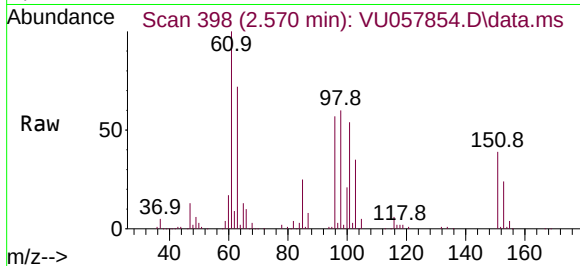




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 52.255 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

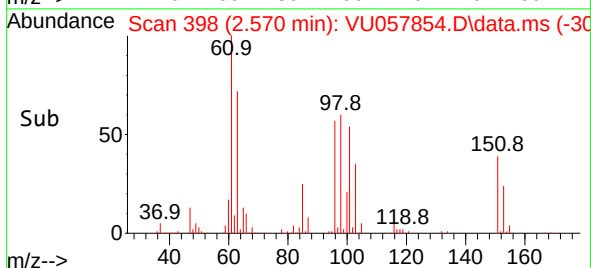
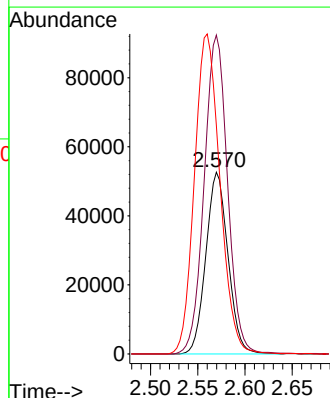
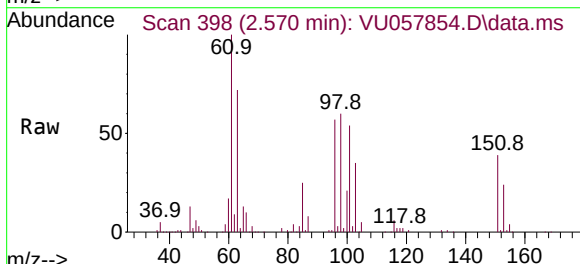
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MSVOA_U
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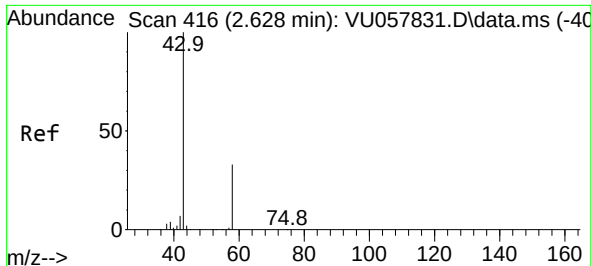
Tgt Ion:101 Resp: 95747
Ion Ratio Lower Upper
101 100
85 45.7 36.1 54.1
151 71.1 55.8 83.6



#12
1,1-Dichloroethene
Concen: 51.121 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

Tgt Ion: 96 Resp: 85547
Ion Ratio Lower Upper
96 100
61 175.5 126.3 234.6
63 125.8 89.7 166.7





#13

Acetone

Concen: 89.124 ug/L

RT: 2.611 min Scan# 41

Delta R.T. -0.016 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

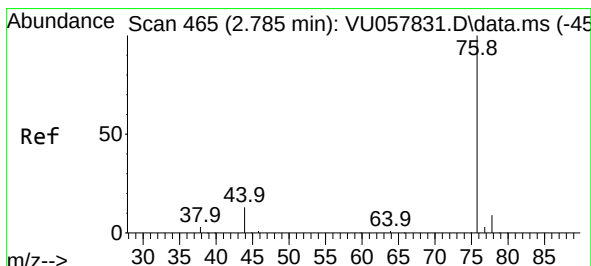
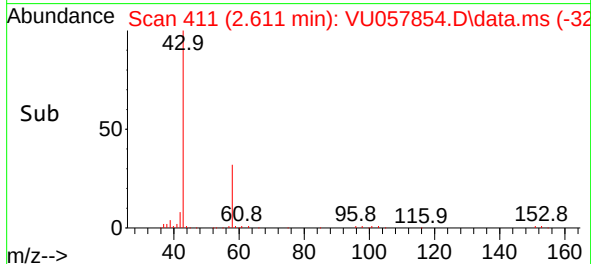
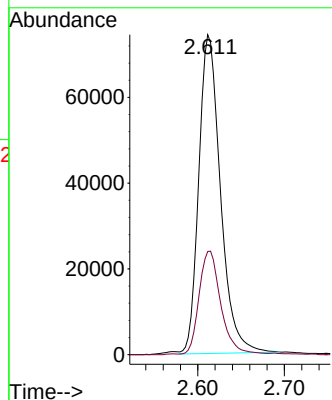
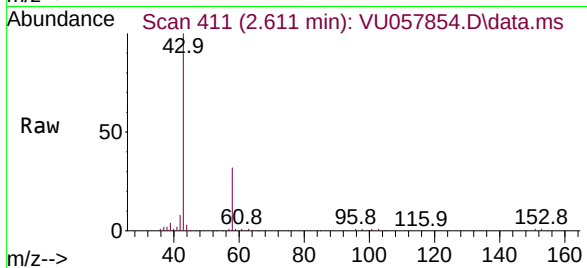
ClientSampleId :

Tgt Ion: 43 Resp: 129258

Ion Ratio Lower Upper

43 100

58 32.2 0.0 65.8



#14

Carbon disulfide

Concen: 49.797 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.003 min

Lab File: VU057854.D

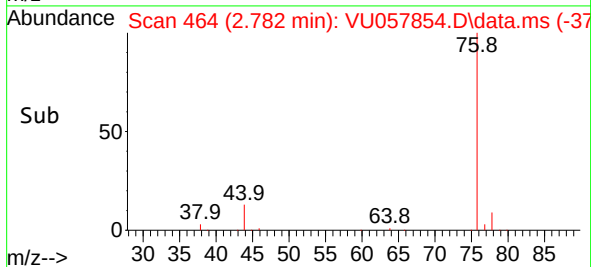
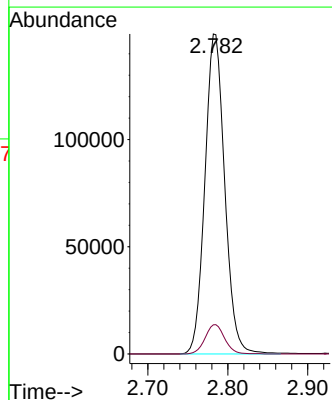
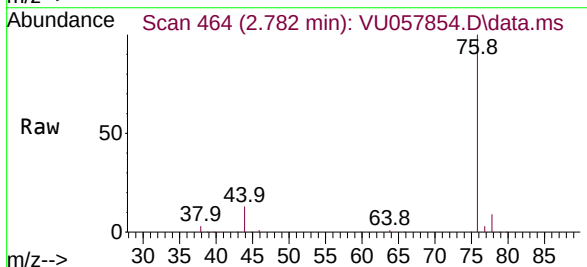
Acq: 08 Feb 2024 09:49

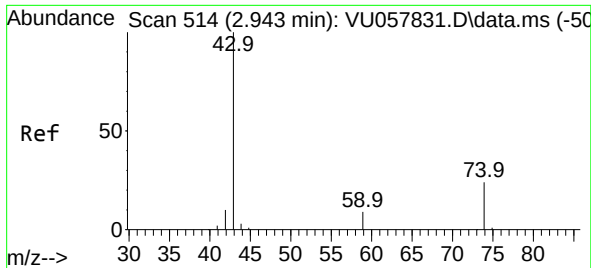
Tgt Ion: 76 Resp: 257333

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

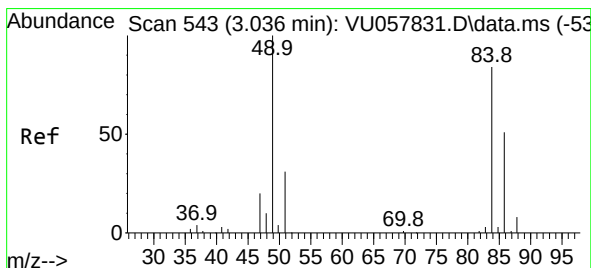
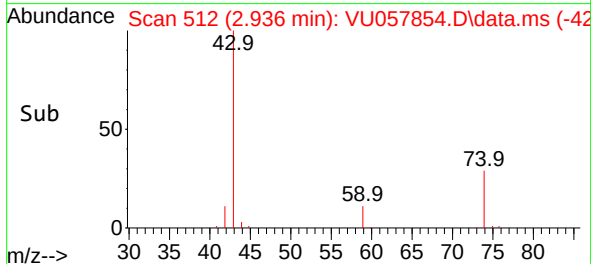
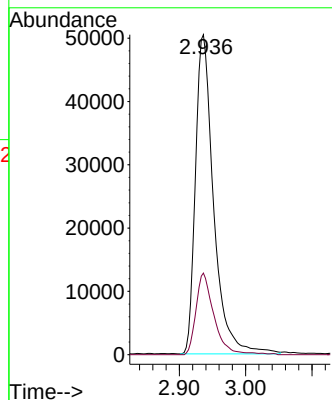
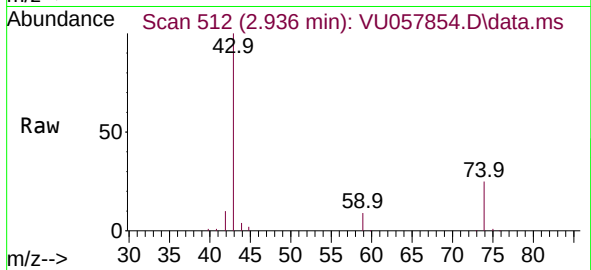




#15
Methyl Acetate
Concen: 52.054 ug/L
RT: 2.936 min Scan# 514
Delta R.T. -0.007 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

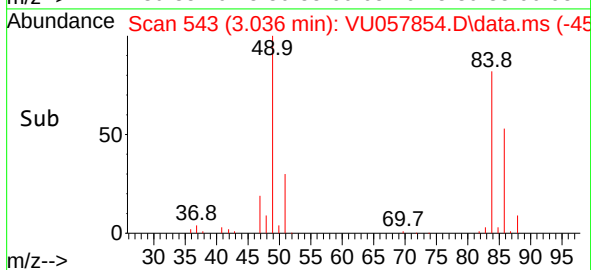
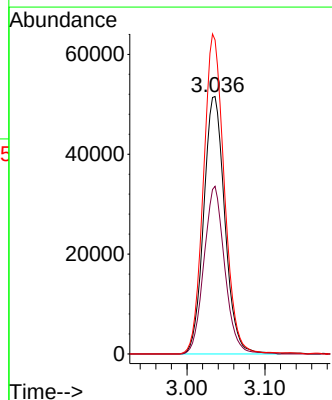
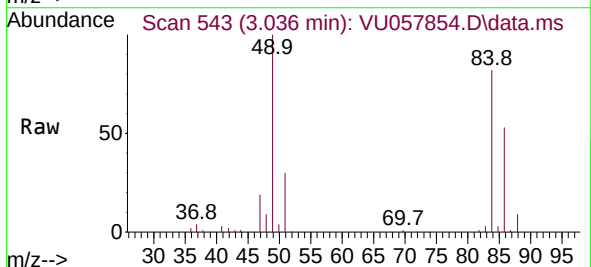
Instrument :
MSVOA_U
ClientSampleId :

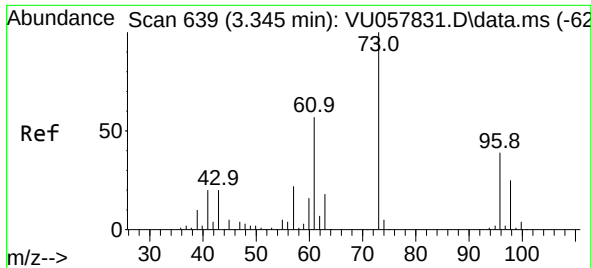
Tgt Ion: 43 Resp: 96045
Ion Ratio Lower Upper
43 100
74 24.9 19.7 29.5



#16
Methylene chloride
Concen: 50.266 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.000 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

Tgt Ion: 84 Resp: 97185
Ion Ratio Lower Upper
84 100
86 65.2 43.0 80.0
49 121.9 83.7 155.4

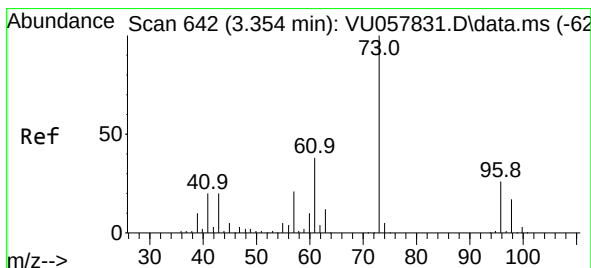
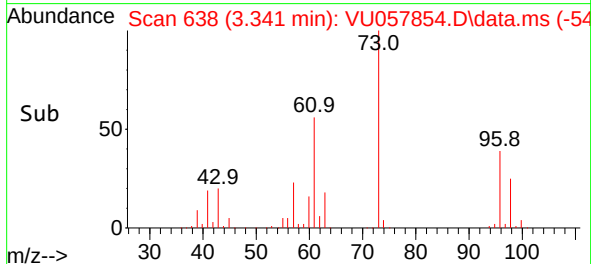
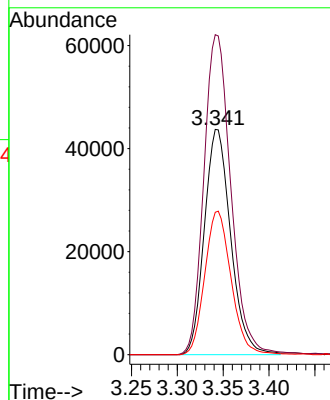
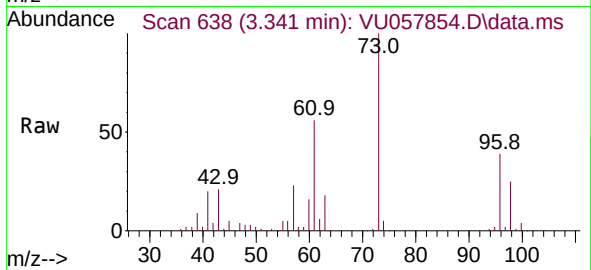




#17
trans-1,2-Dichloroethene
Concen: 51.178 ug/L
RT: 3.341 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

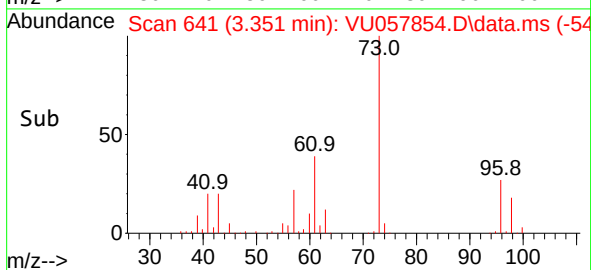
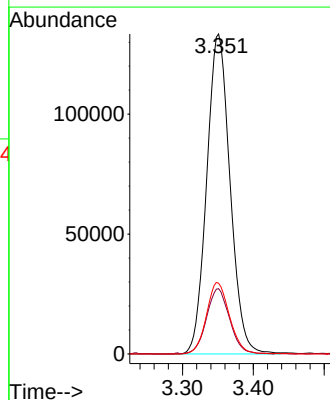
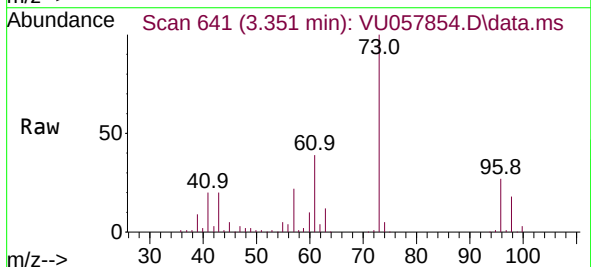
Instrument :
MSVOA_U
ClientSampleId :

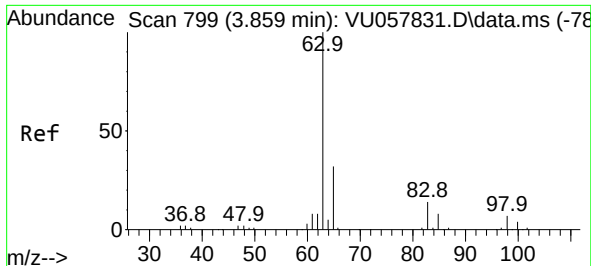
Tgt Ion: 96 Resp: 87272
Ion Ratio Lower Upper
96 100
61 142.1 102.8 190.8
98 63.2 44.2 82.2



#18
Methyl tert-butyl Ether
Concen: 51.101 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

Tgt Ion: 73 Resp: 305892
Ion Ratio Lower Upper
73 100
43 20.0 16.2 24.2
57 22.0 17.6 26.4





#19

1,1-Dichloroethane

Concen: 51.970 ug/L

RT: 3.856 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

ClientSampleId :

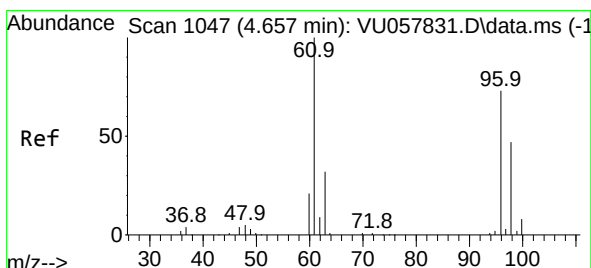
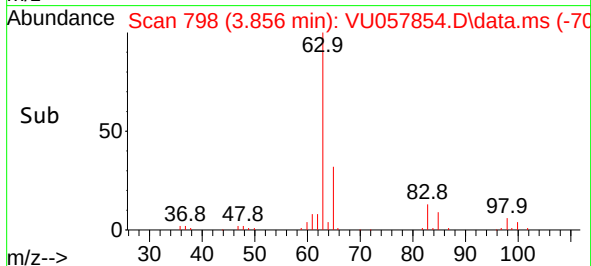
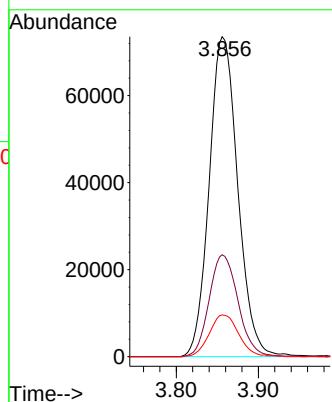
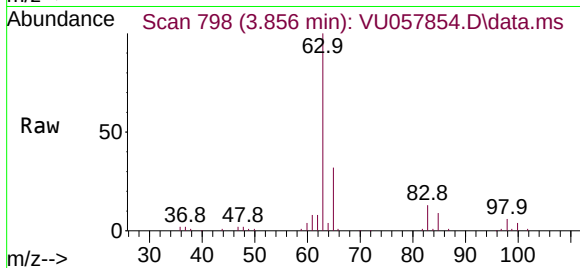
Tgt Ion: 63 Resp: 177851

Ion Ratio Lower Upper

63 100

65 32.5 22.7 42.3

83 13.1 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 51.267 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

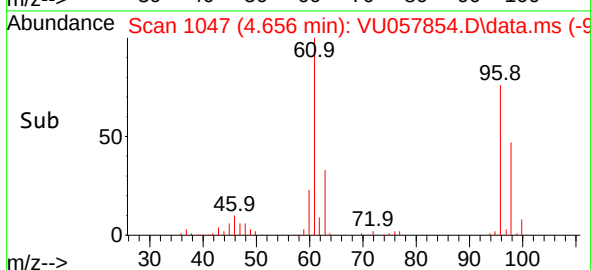
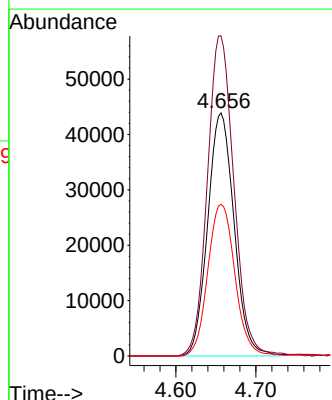
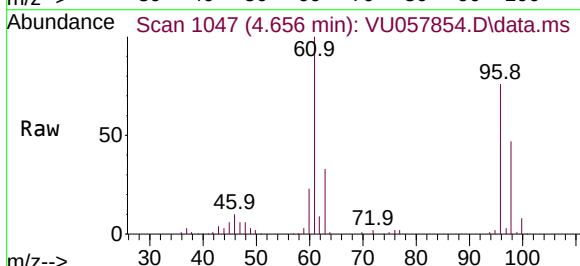
Tgt Ion: 96 Resp: 100910

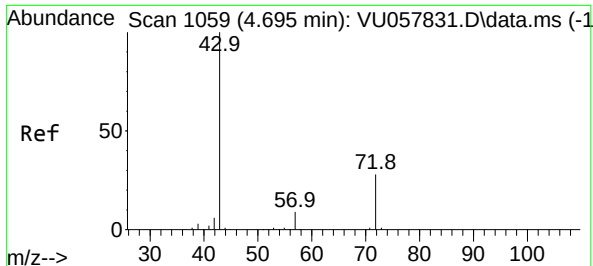
Ion Ratio Lower Upper

96 100

61 131.7 95.7 177.7

98 62.4 45.2 84.0

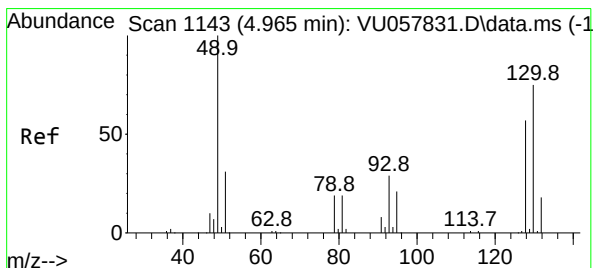
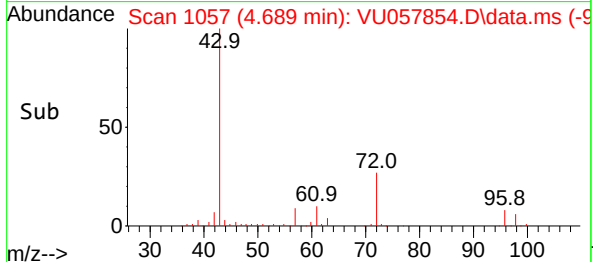
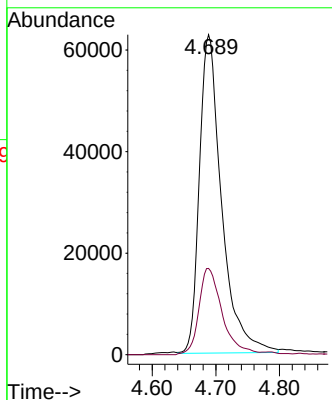
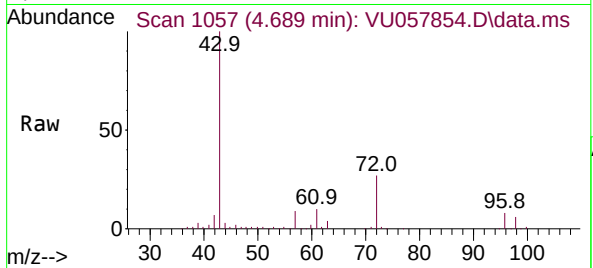




#22
2-Butanone
Concen: 98.377 ug/L
RT: 4.689 min Scan# 1059
Delta R.T. -0.007 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

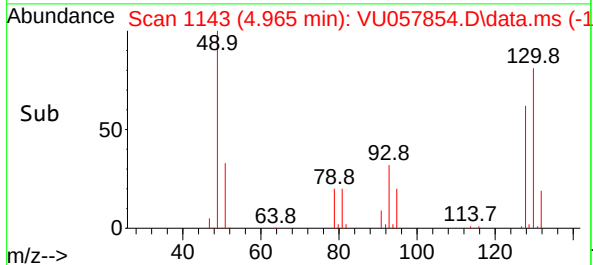
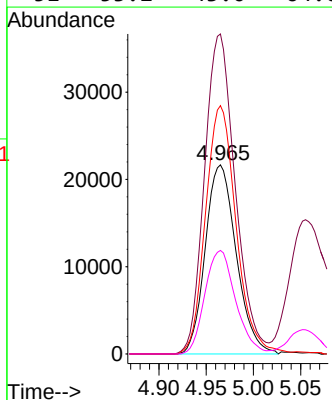
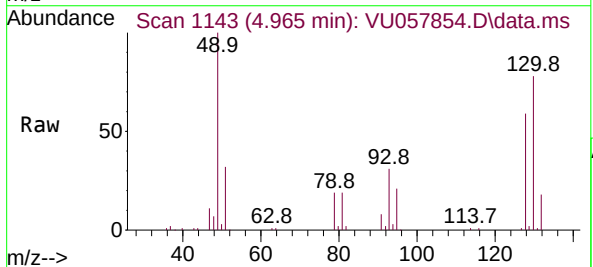
Instrument :
MSVOA_U
ClientSampleId :

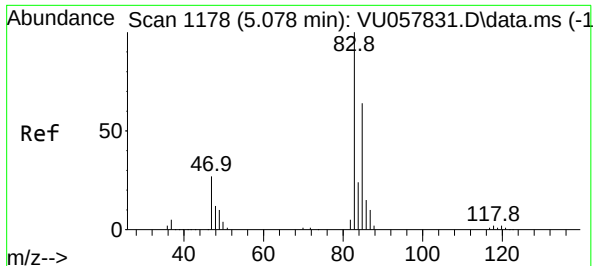
Tgt Ion: 43 Resp: 152048
Ion Ratio Lower Upper
43 100
72 28.4 13.8 41.3



#23
Bromochloromethane
Concen: 51.183 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

Tgt Ion:128 Resp: 49390
Ion Ratio Lower Upper
128 100
49 164.3 122.4 227.2
130 127.6 91.8 170.4
51 53.2 43.0 64.6





#25

Chloroform

Concen: 52.104 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

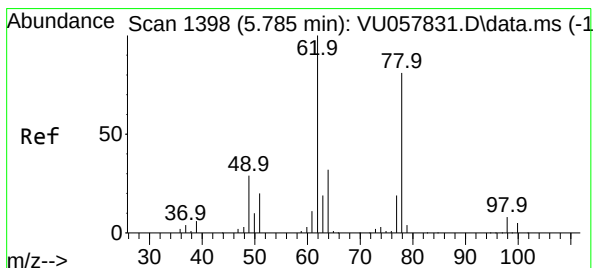
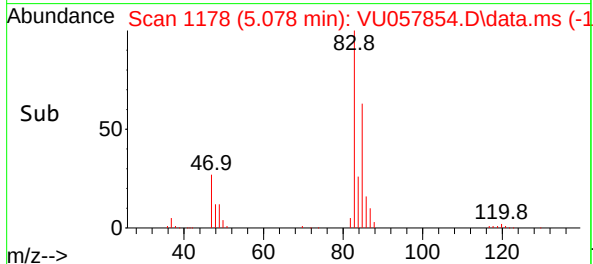
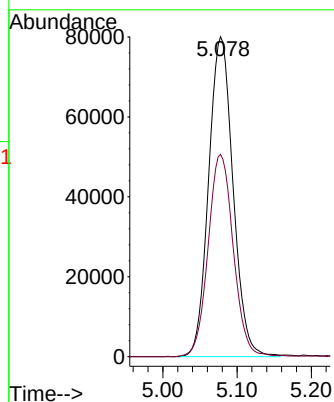
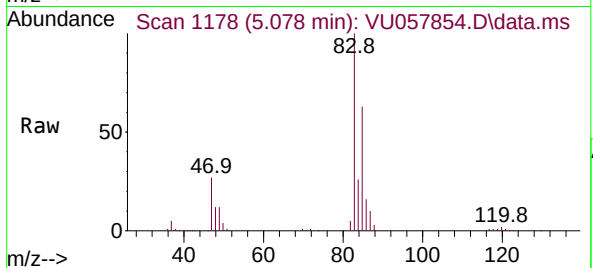
ClientSampleId :

Tgt Ion: 83 Resp: 182605

Ion Ratio Lower Upper

83 100

85 63.2 45.0 83.6



#27

1,2-Dichloroethane

Concen: 50.454 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU057854.D

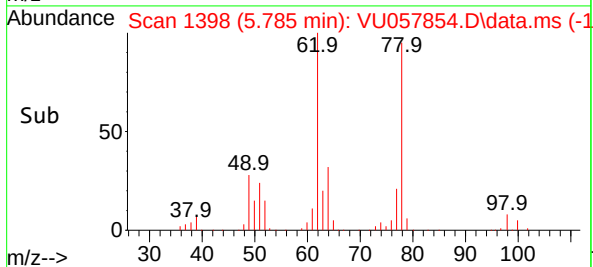
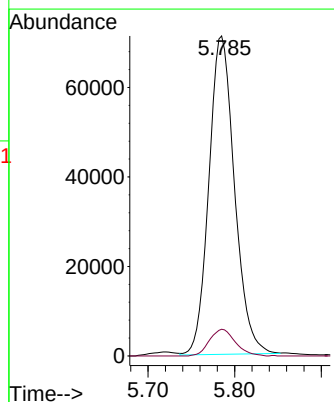
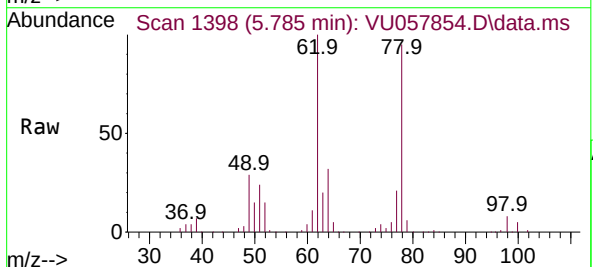
Acq: 08 Feb 2024 09:49

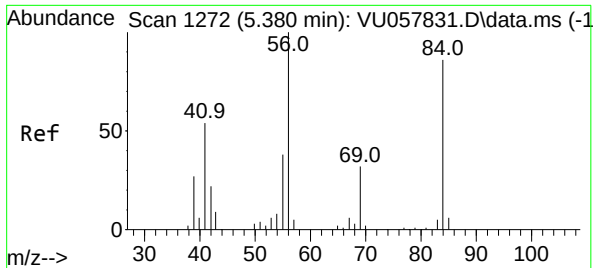
Tgt Ion: 62 Resp: 146429

Ion Ratio Lower Upper

62 100

98 8.4 6.7 10.1





#29

Cyclohexane

Concen: 50.994 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

ClientSampleId :

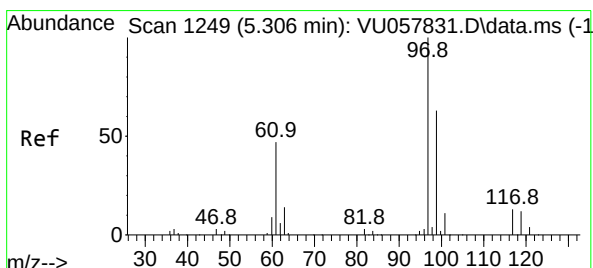
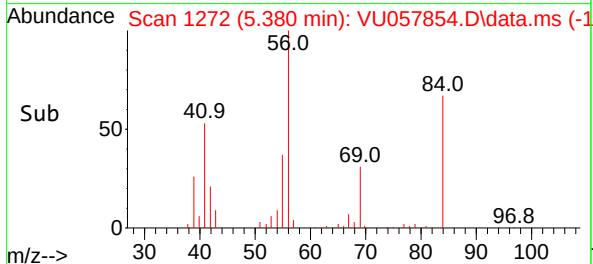
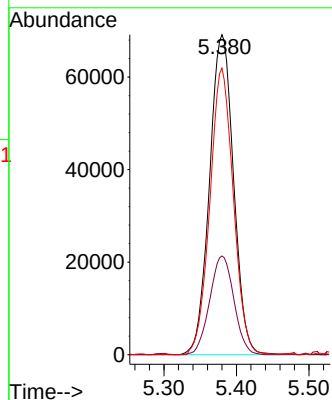
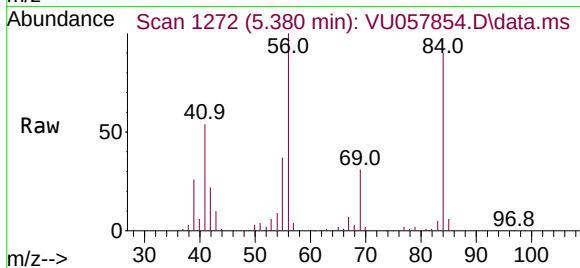
Tgt Ion: 56 Resp: 159156

Ion Ratio Lower Upper

56 100

69 31.1 25.4 38.0

84 87.4 70.4 105.6



#30

1,1,1-Trichloroethane

Concen: 50.283 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

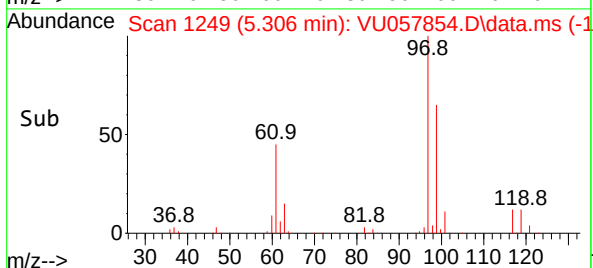
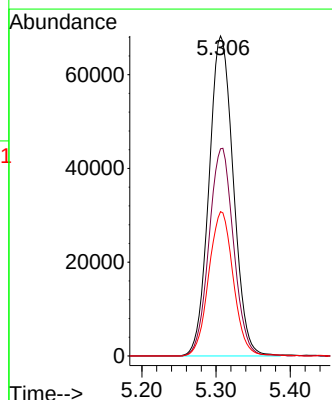
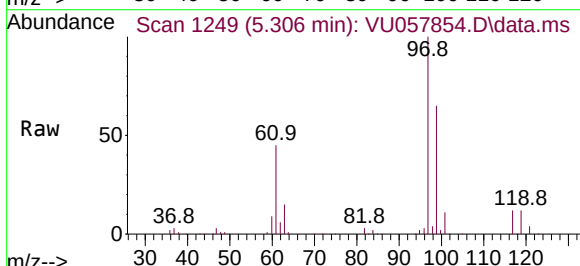
Tgt Ion: 97 Resp: 155561

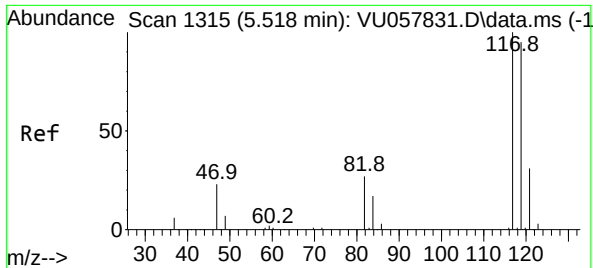
Ion Ratio Lower Upper

97 100

99 65.4 51.5 77.3

61 45.3 36.7 55.1

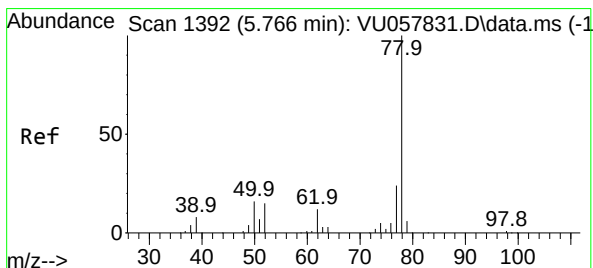
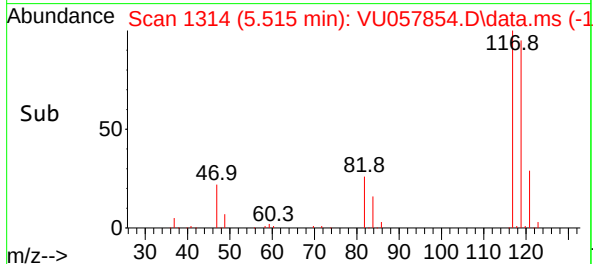
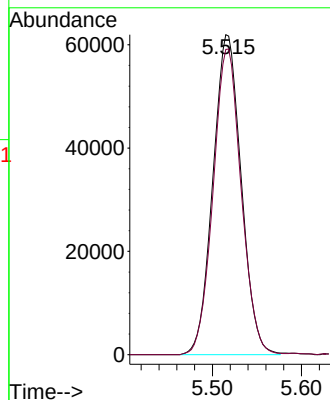
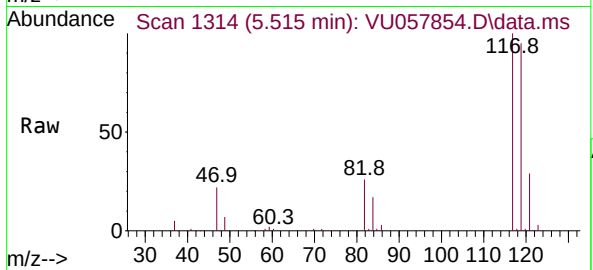




#31
Carbon tetrachloride
Concen: 50.608 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

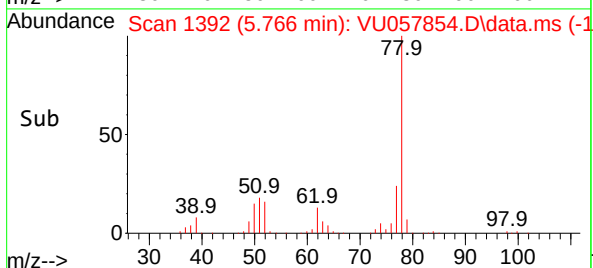
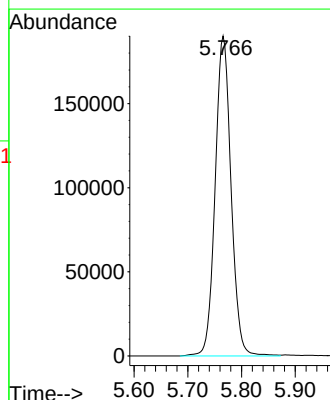
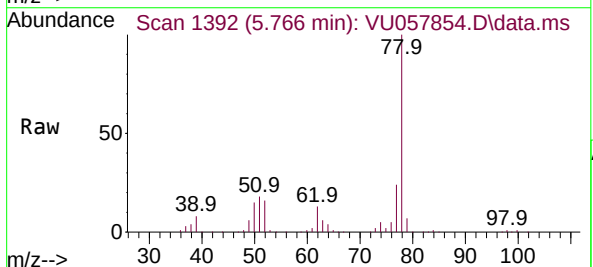
Instrument :
MSVOA_U
ClientSampleId :

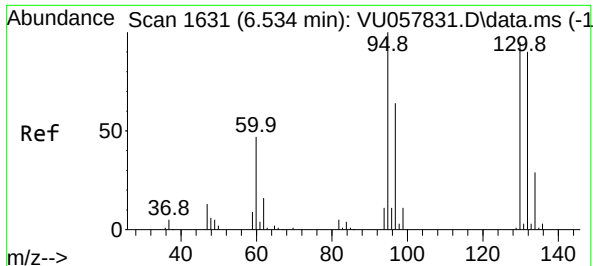
Tgt Ion:117 Resp: 136319
Ion Ratio Lower Upper
117 100
119 95.0 76.7 115.1



#33
Benzene
Concen: 51.453 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

Tgt Ion: 78 Resp: 390676





#34

Trichloroethene

Concen: 49.409 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 100876

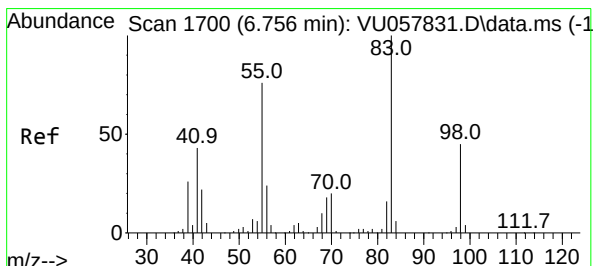
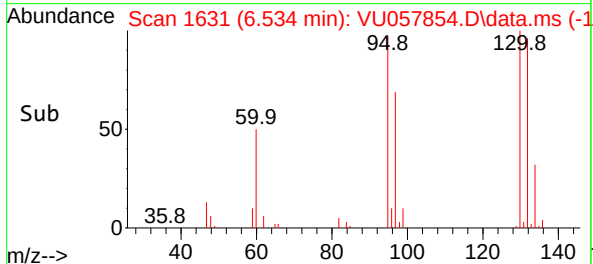
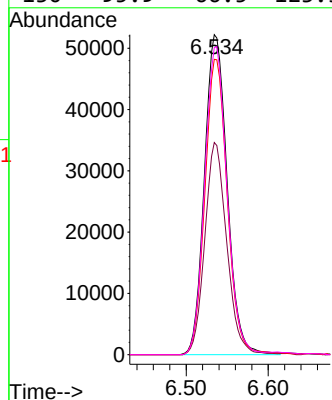
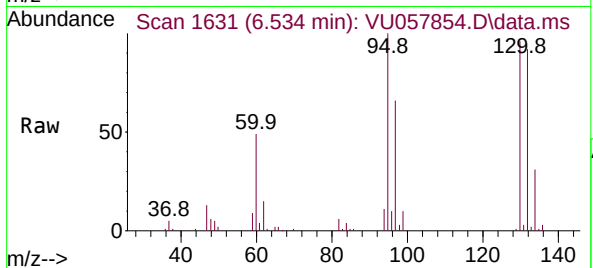
Ion Ratio Lower Upper

95 100

97 66.3 44.9 83.5

132 92.3 63.1 117.1

130 95.9 66.5 123.5



#35

Methylcyclohexane

Concen: 51.118 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

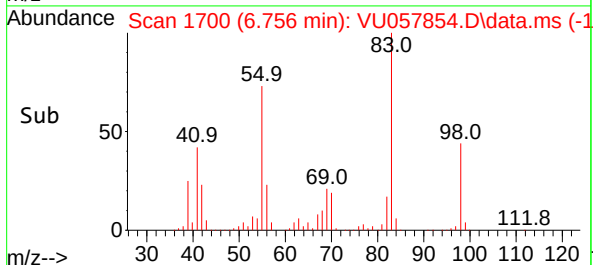
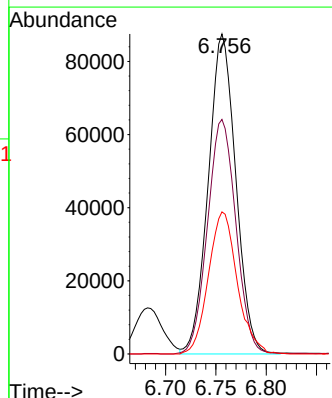
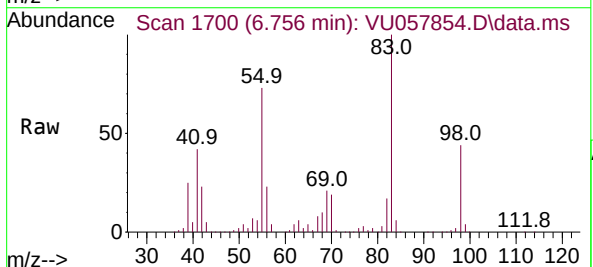
Tgt Ion: 83 Resp: 166966

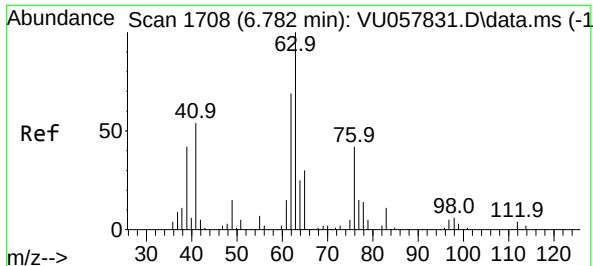
Ion Ratio Lower Upper

83 100

55 75.5 59.9 89.9

98 46.2 36.8 55.2

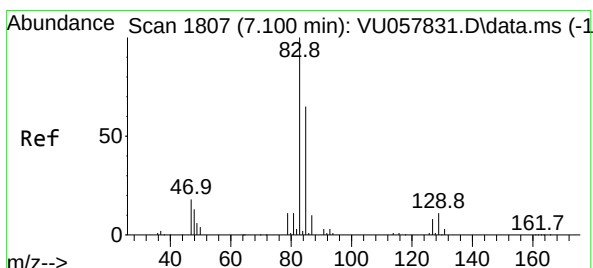
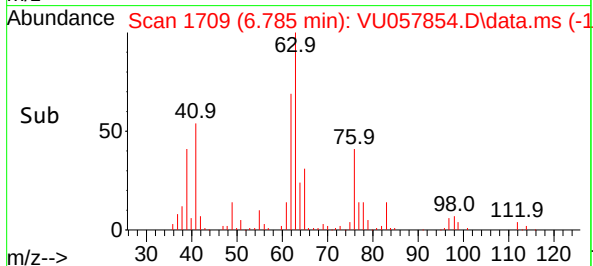
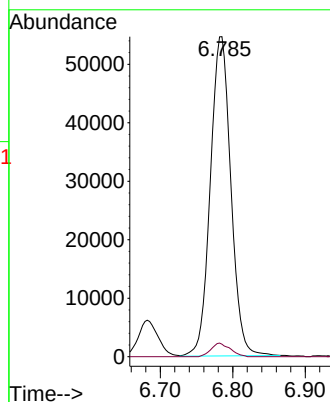
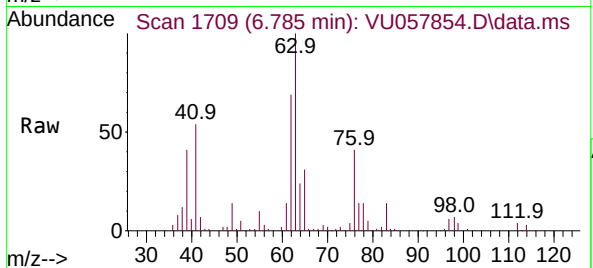




#37
1,2-Dichloropropane
Concen: 51.667 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

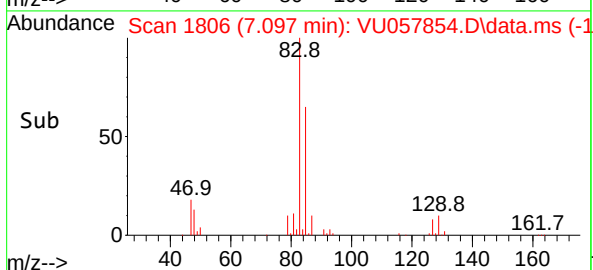
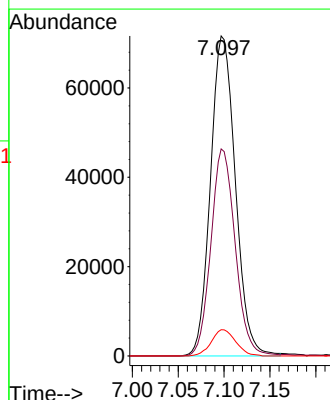
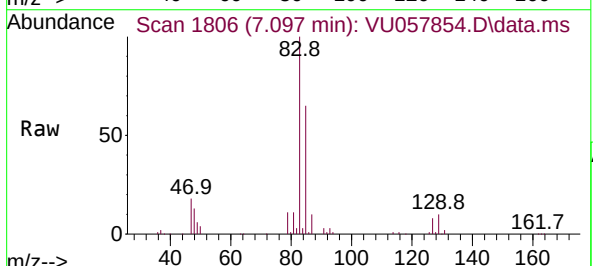
Instrument :
MSVOA_U
ClientSampleId :

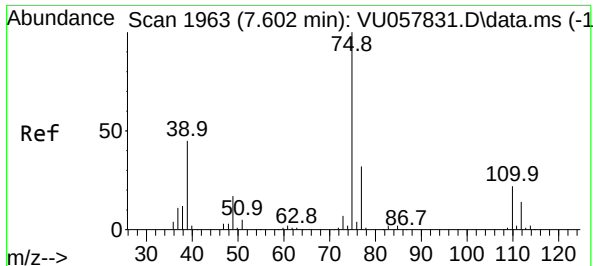
Tgt Ion: 63 Resp: 107554
Ion Ratio Lower Upper
63 100
112 3.9 3.0 4.6



#38
Bromodichloromethane
Concen: 51.617 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

Tgt Ion: 83 Resp: 135289
Ion Ratio Lower Upper
83 100
85 64.7 45.6 84.6
127 8.2 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 50.607 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

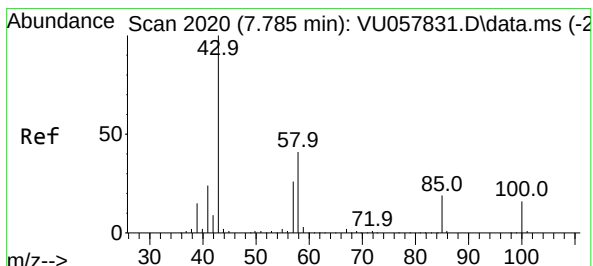
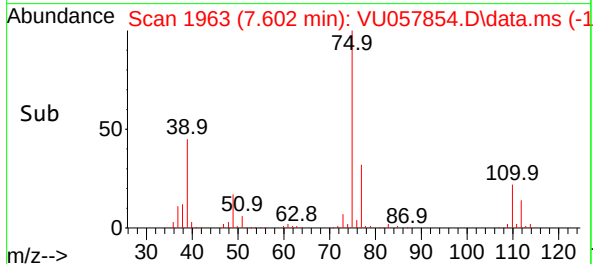
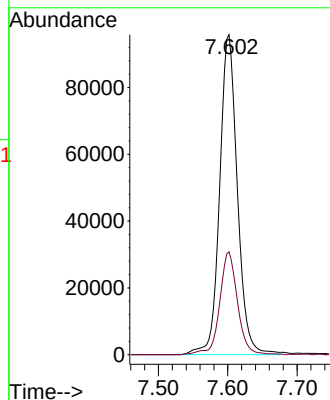
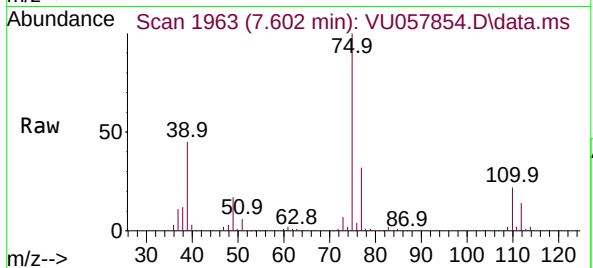
ClientSampleId :

Tgt Ion: 75 Resp: 170756

Ion Ratio Lower Upper

75 100

77 33.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 106.437 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

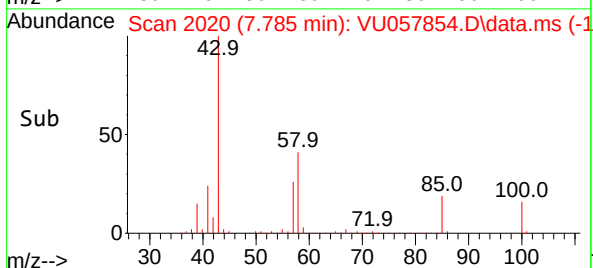
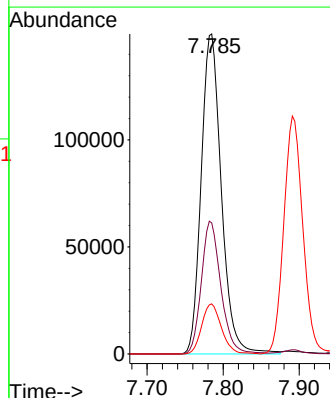
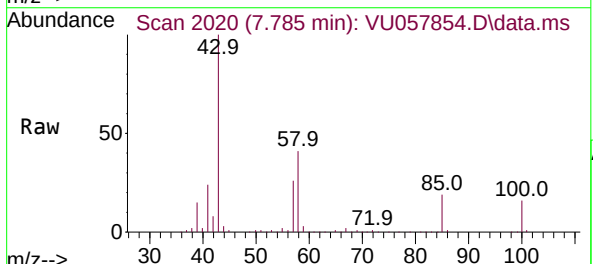
Tgt Ion: 43 Resp: 275807

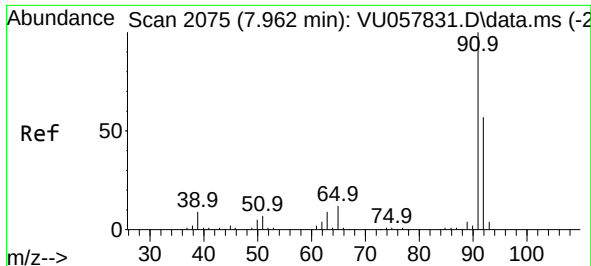
Ion Ratio Lower Upper

43 100

58 40.2 32.5 48.7

100 15.2 12.2 18.4





#42

Toluene

Concen: 51.229 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

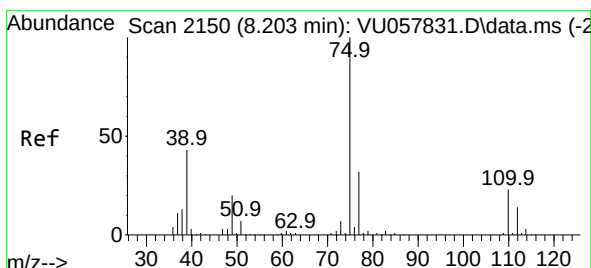
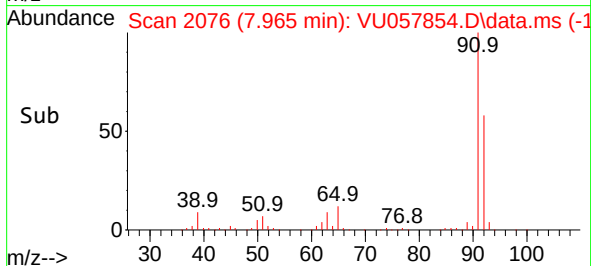
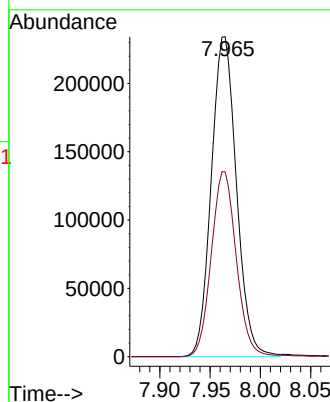
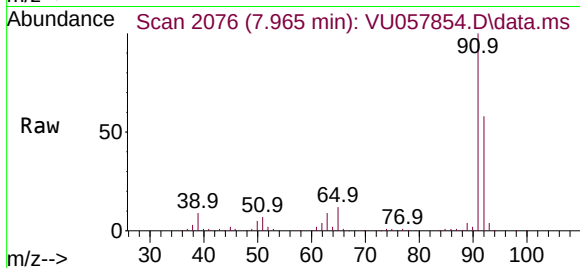
ClientSampleId :

Tgt Ion: 91 Resp: 407390

Ion Ratio Lower Upper

91 100

92 57.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 51.028 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU057854.D

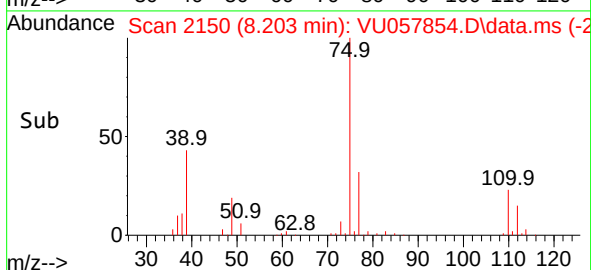
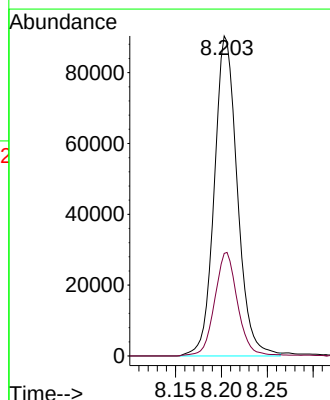
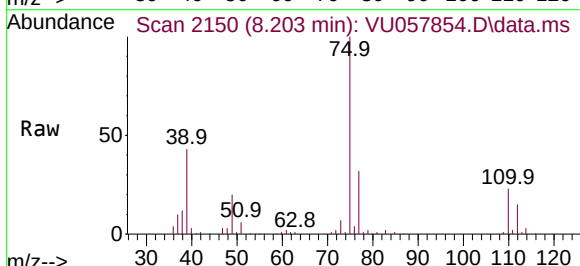
Acq: 08 Feb 2024 09:49

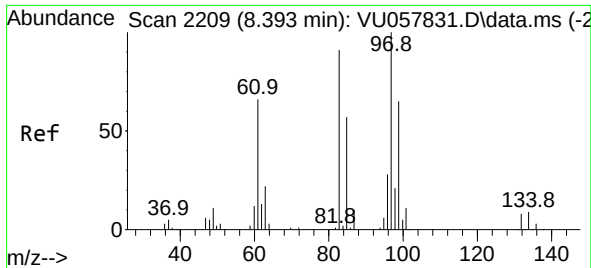
Tgt Ion: 75 Resp: 158070

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6

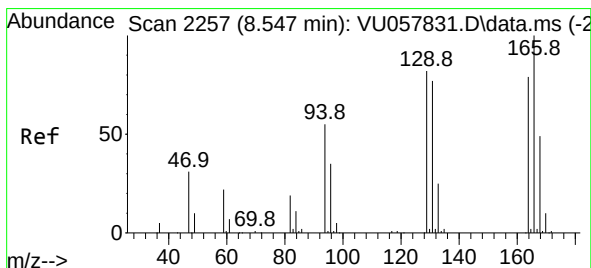
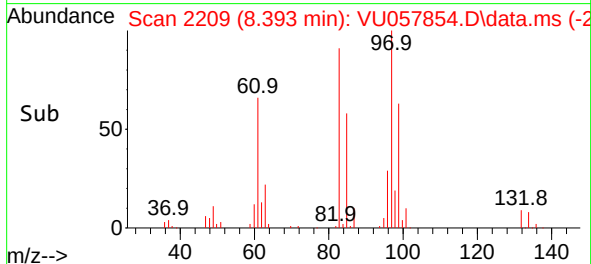
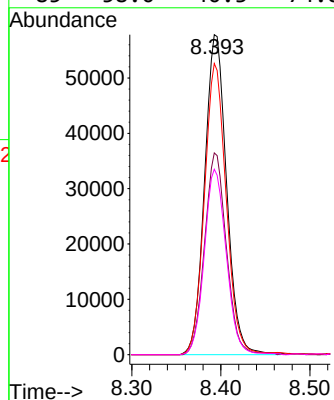
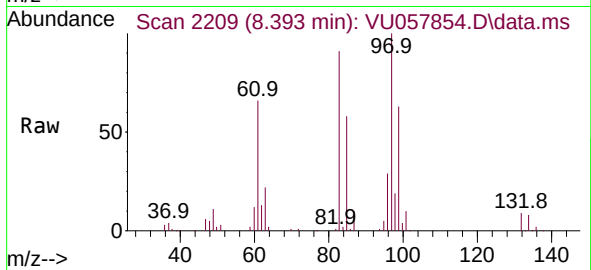




#45
1,1,2-Trichloroethane
Concen: 51.559 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

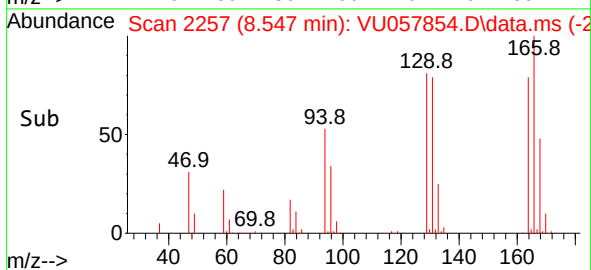
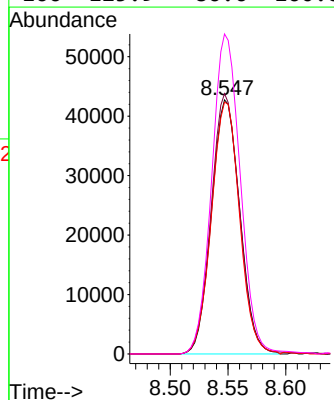
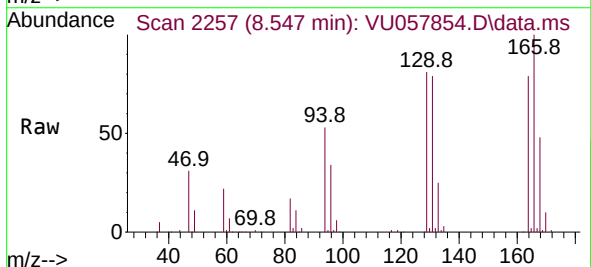
Instrument :
MSVOA_U
ClientSampleId :

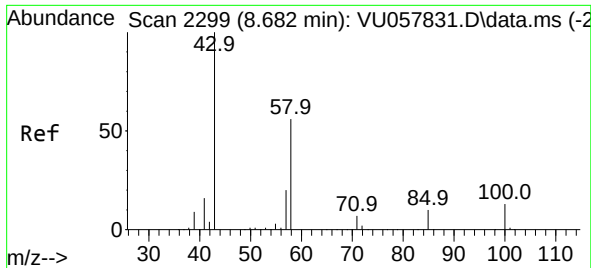
Tgt Ion:	97	Resp:	99106
Ion	Ratio	Lower	Upper
97	100		
99	63.0	45.1	83.9
83	91.0	63.8	118.6
85	58.0	40.3	74.8



#46
Tetrachloroethene
Concen: 51.621 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

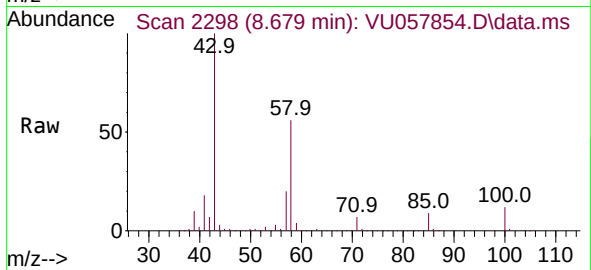
Tgt Ion:	164	Resp:	73102
Ion	Ratio	Lower	Upper
164	100		
129	102.5	70.8	131.4
131	99.1	66.8	124.0
166	125.9	86.6	160.8





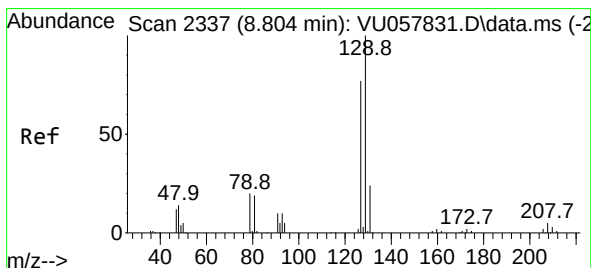
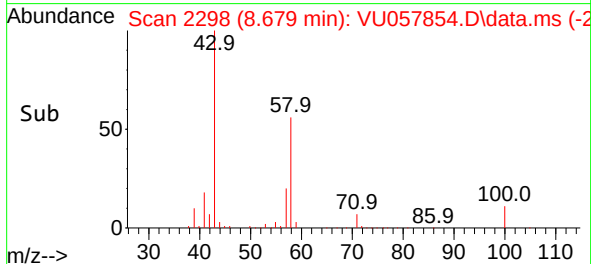
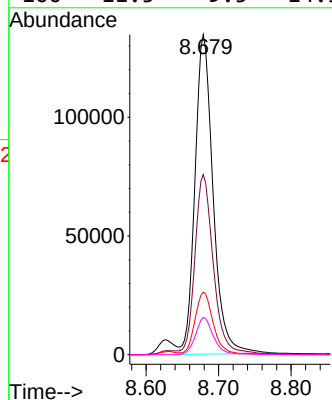
#48
2-Hexanone
Concen: 103.887 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 234186

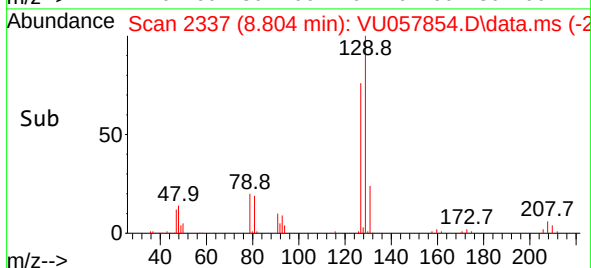
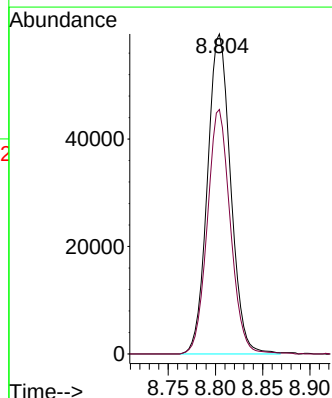
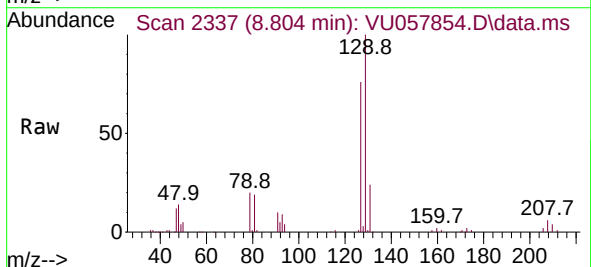
Ion	Ratio	Lower	Upper
43	100		
58	56.7	44.1	66.1
57	18.9	15.4	23.2
100	11.5	9.5	14.3

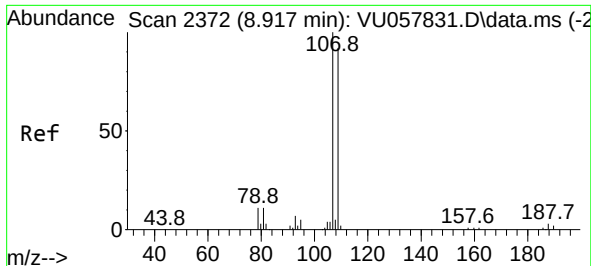


#49
Dibromochloromethane
Concen: 52.557 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

Tgt Ion: 129 Resp: 101891

Ion	Ratio	Lower	Upper
129	100		
127	76.4	54.1	100.5





#50

1,2-Dibromoethane

Concen: 51.301 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

ClientSampleId :

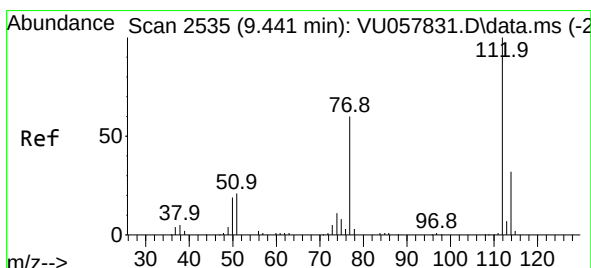
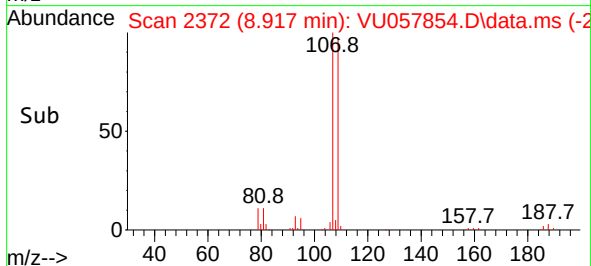
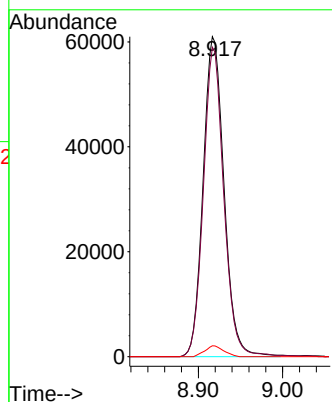
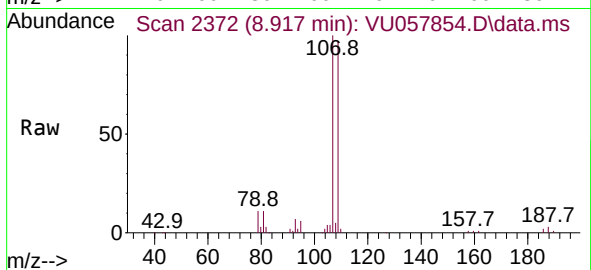
Tgt Ion:107 Resp: 105359

Ion Ratio Lower Upper

107 100

109 96.7 64.4 119.6

188 3.4 2.6 3.8



#51

Chlorobenzene

Concen: 53.197 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

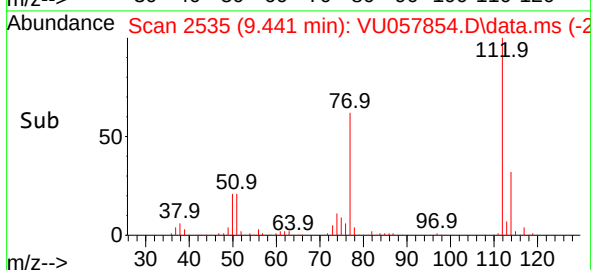
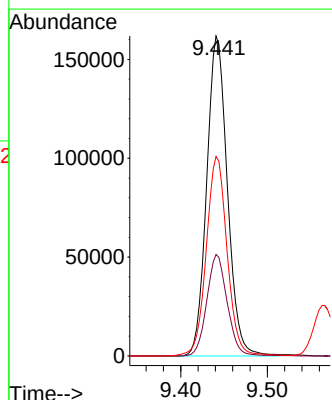
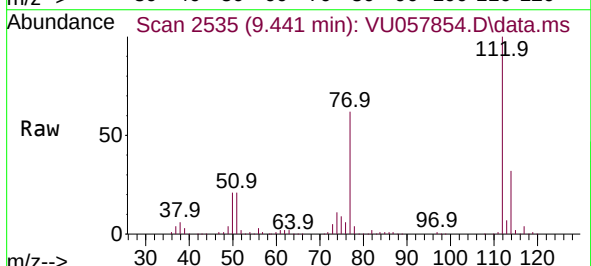
Tgt Ion:112 Resp: 268666

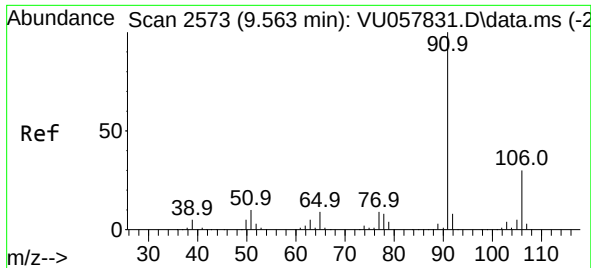
Ion Ratio Lower Upper

112 100

114 31.7 22.0 41.0

77 62.3 48.2 72.4

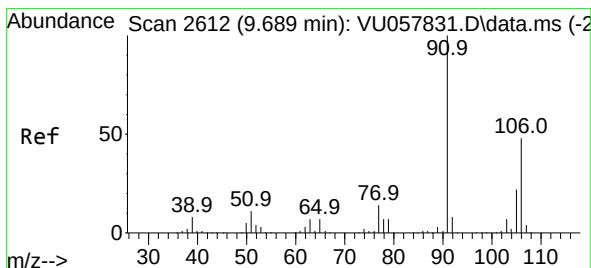
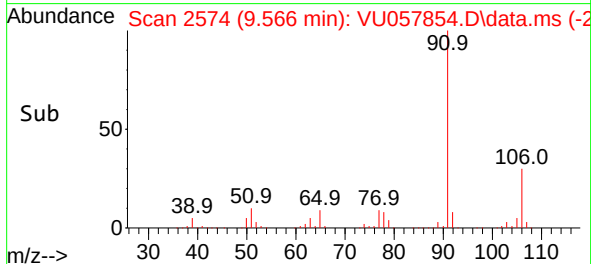
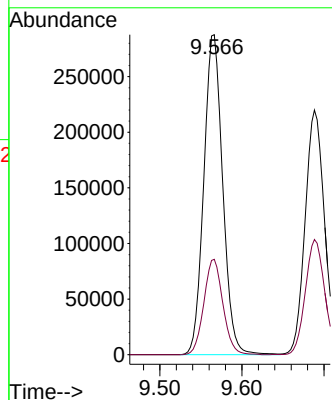
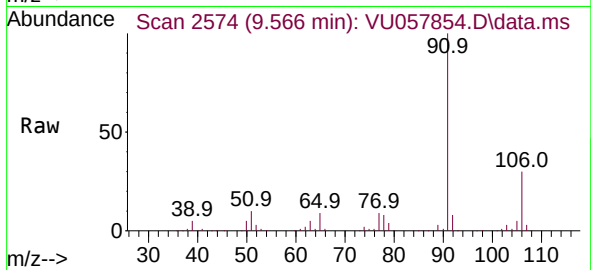




#52
Ethylbenzene
Concen: 51.150 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

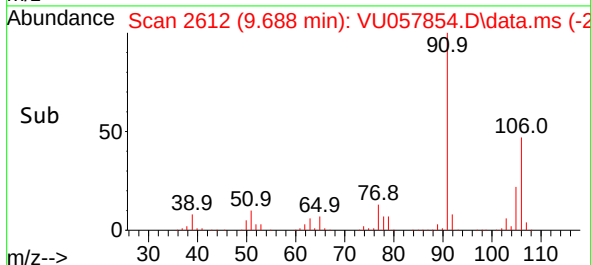
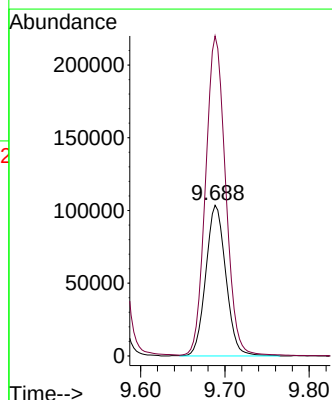
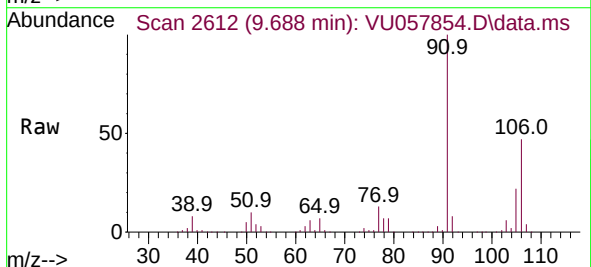
Instrument :
MSVOA_U
ClientSampleId :

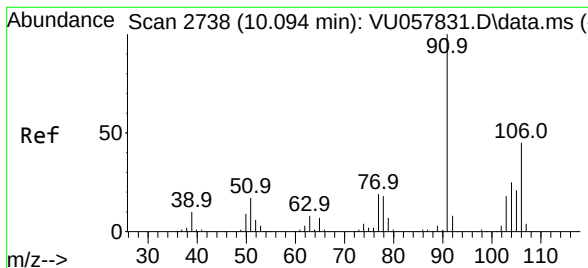
Tgt Ion: 91 Resp: 461410
Ion Ratio Lower Upper
91 100
106 29.8 20.9 38.9



#53
m,p-Xylene
Concen: 51.819 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

Tgt Ion:106 Resp: 171791
Ion Ratio Lower Upper
106 100
91 212.4 145.3 269.9





#54

o-Xylene

Concen: 52.100 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

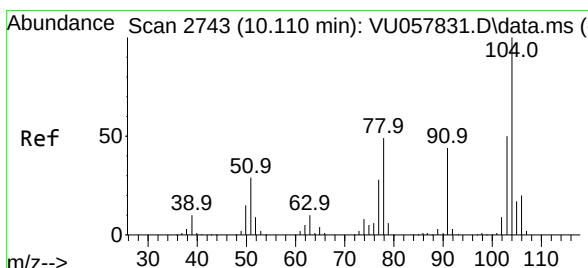
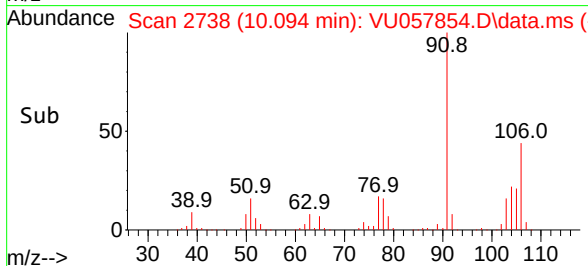
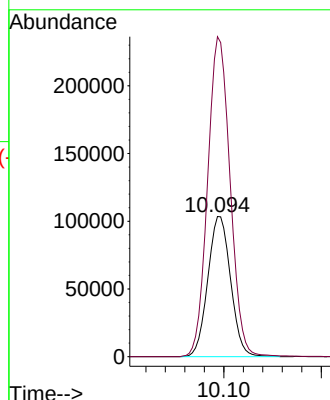
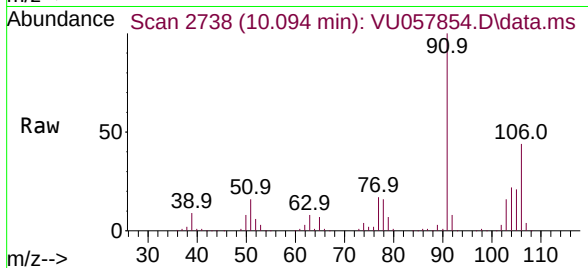
ClientSampleId :

Tgt Ion:106 Resp: 168187

Ion Ratio Lower Upper

106 100

91 228.4 155.3 288.3



#55

Styrene

Concen: 53.696 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU057854.D

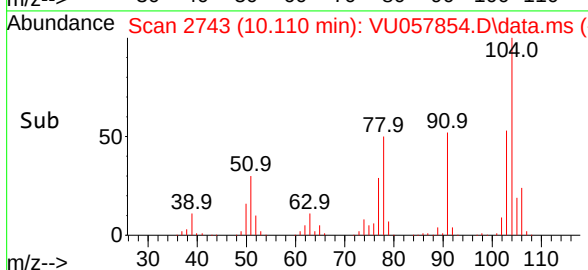
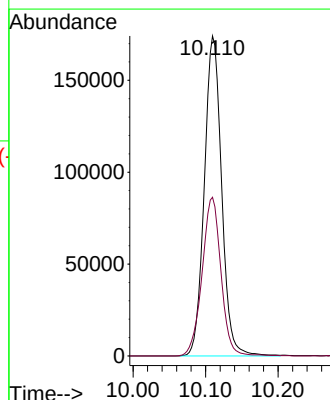
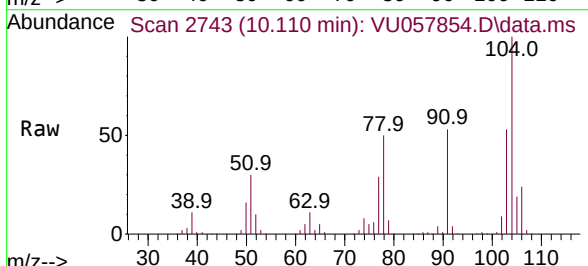
Acq: 08 Feb 2024 09:49

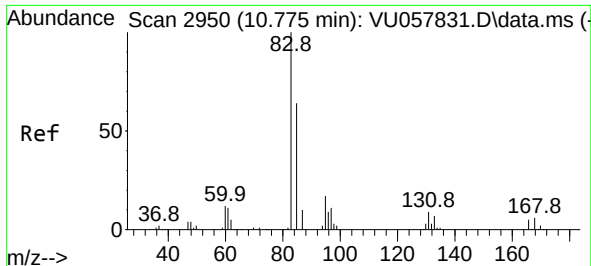
Tgt Ion:104 Resp: 289356

Ion Ratio Lower Upper

104 100

78 49.6 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 56.542 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

ClientSampleId :

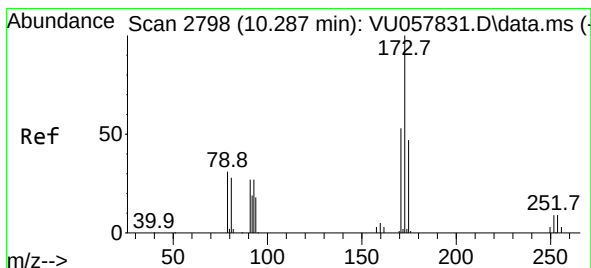
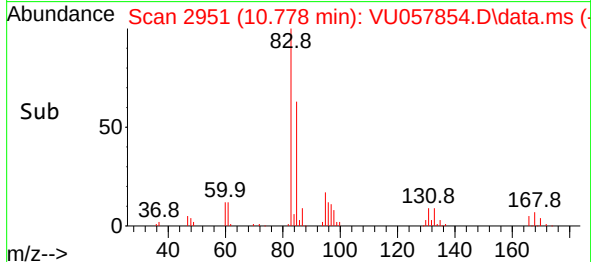
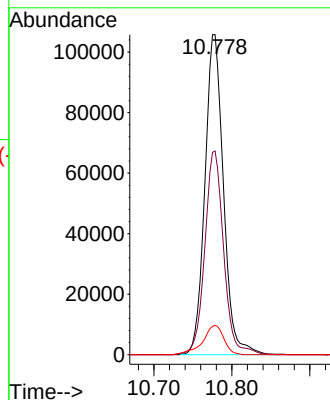
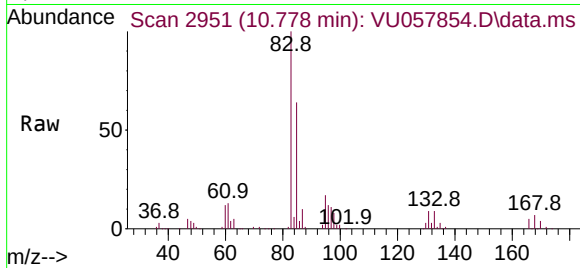
Tgt Ion: 83 Resp: 175153

Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.7

131 9.2 7.5 11.3



#59

Bromoform

Concen: 52.951 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

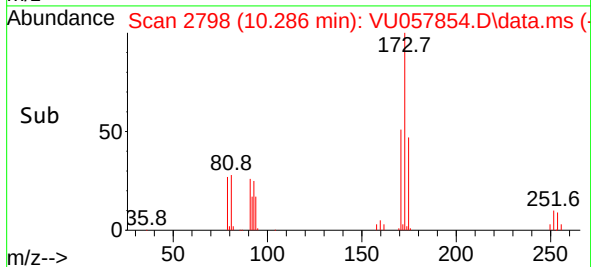
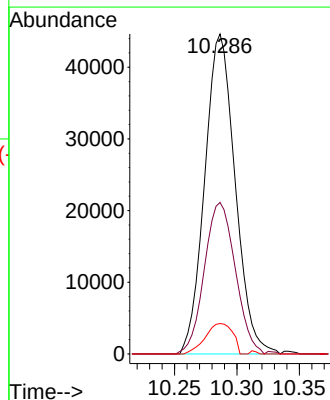
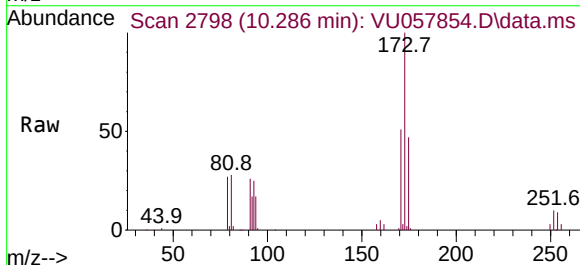
Tgt Ion:173 Resp: 75819

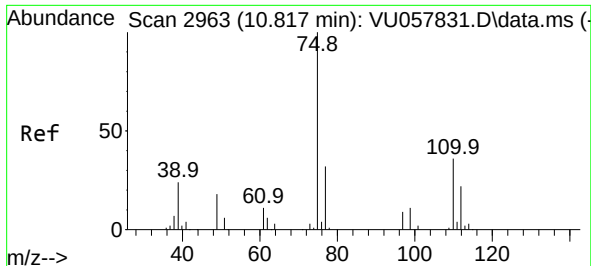
Ion Ratio Lower Upper

173 100

175 48.1 37.7 56.5

254 8.6 6.2 9.2

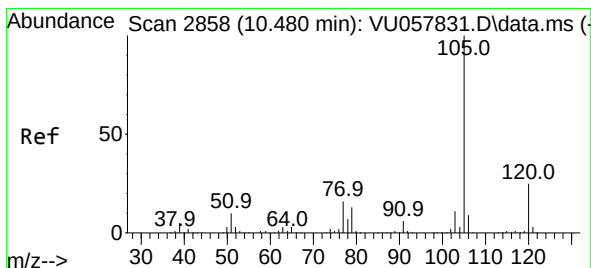
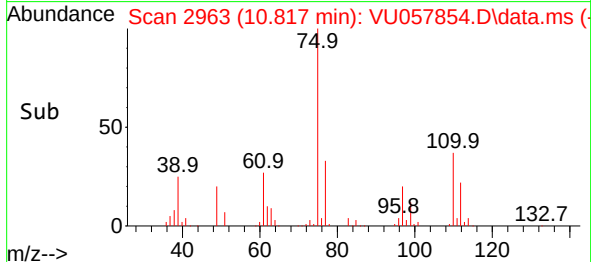
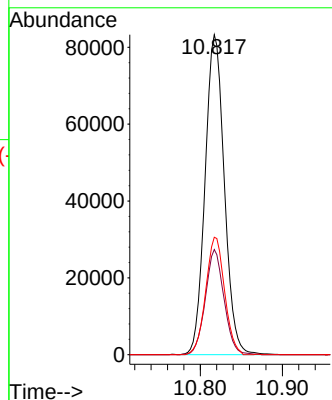
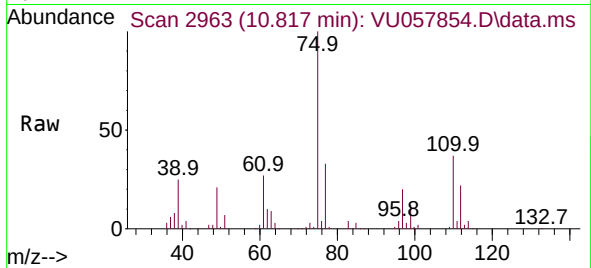




#60
1,2,3-Trichloropropane
Concen: 52.607 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

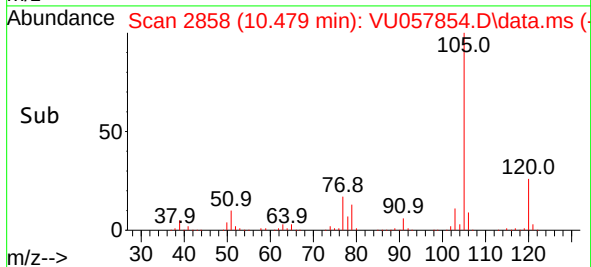
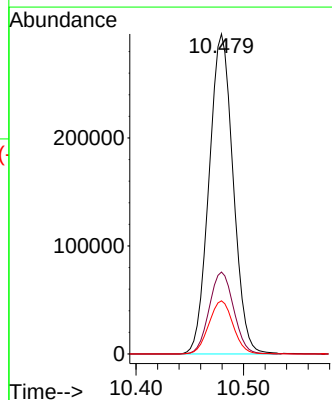
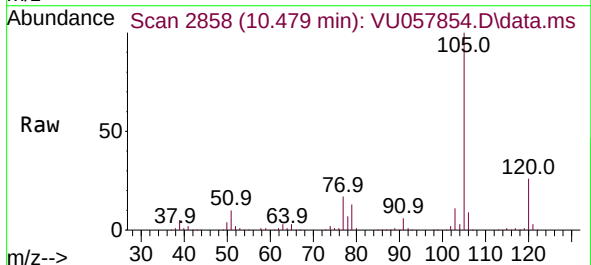
Instrument :
MSVOA_U
ClientSampleId :

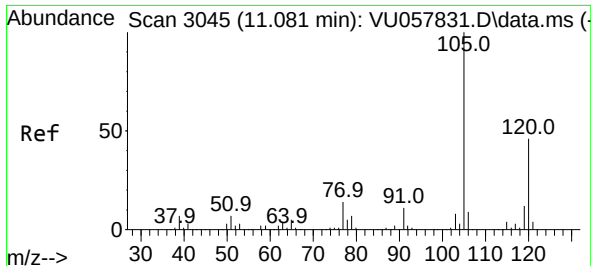
Tgt Ion: 75 Resp: 135739
Ion Ratio Lower Upper
75 100
77 31.8 26.1 39.1
110 35.9 29.1 43.7



#61
Isopropylbenzene
Concen: 51.181 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU057854.D
Acq: 08 Feb 2024 09:49

Tgt Ion: 105 Resp: 460872
Ion Ratio Lower Upper
105 100
120 26.0 20.6 30.8
77 16.8 13.2 19.8





#62

1,3,5-Trimethylbenzene

Concen: 52.512 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

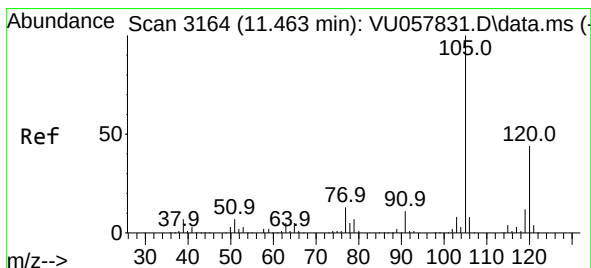
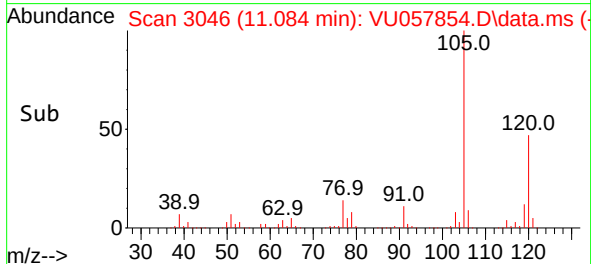
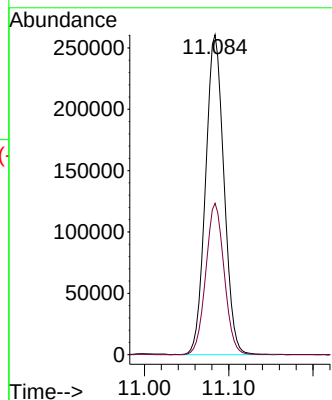
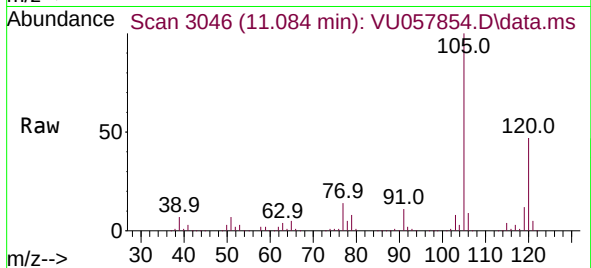
ClientSampleId :

Tgt Ion:105 Resp: 396809

Ion Ratio Lower Upper

105 100

120 47.2 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 53.536 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU057854.D

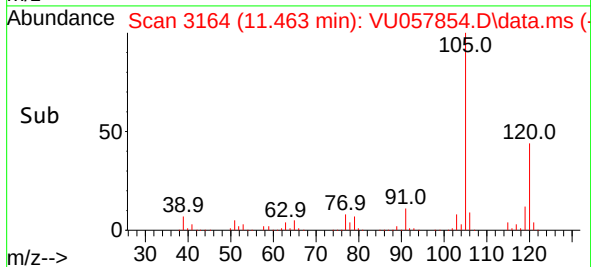
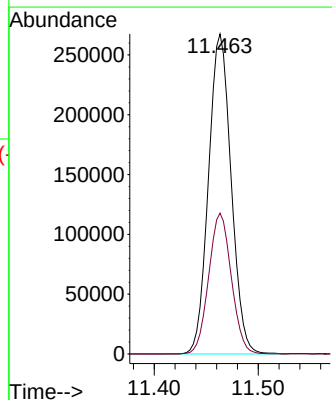
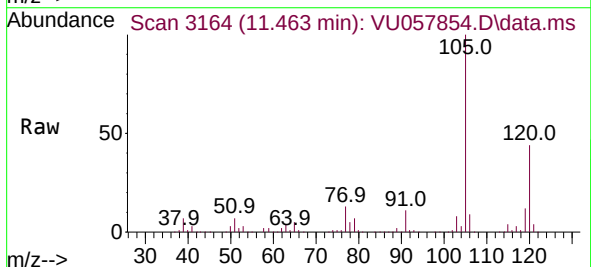
Acq: 08 Feb 2024 09:49

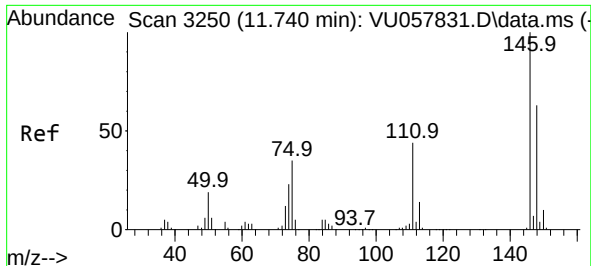
Tgt Ion:105 Resp: 404901

Ion Ratio Lower Upper

105 100

120 43.8 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 53.750 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

ClientSampleId :

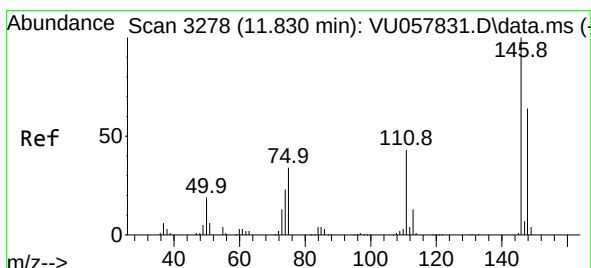
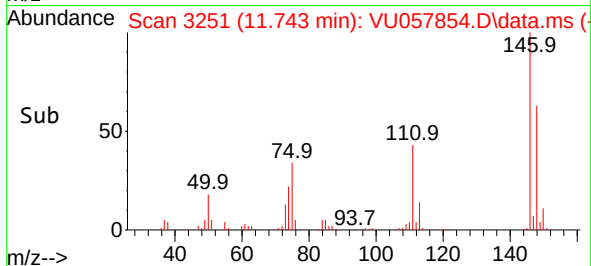
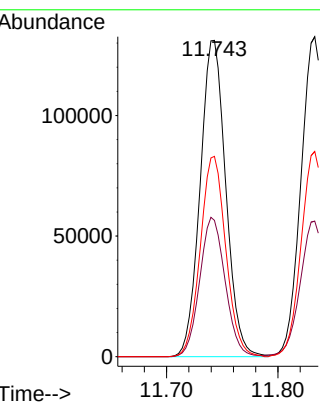
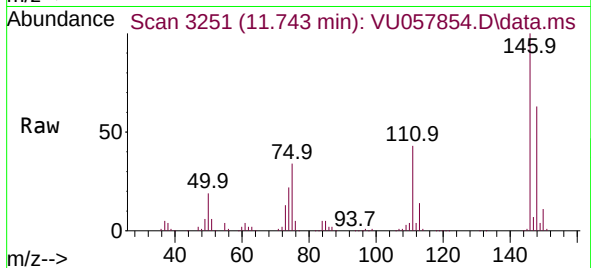
Tgt Ion:146 Resp: 209713

Ion Ratio Lower Upper

146 100

111 43.1 31.1 57.7

148 63.4 46.8 86.8



#65

1,4-Dichlorobenzene

Concen: 53.490 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

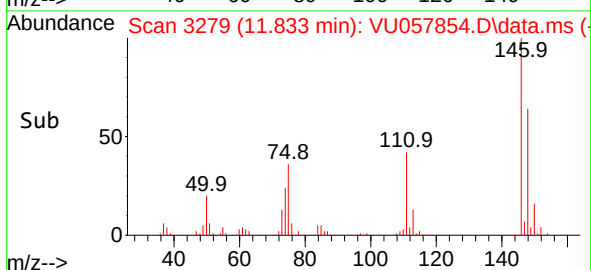
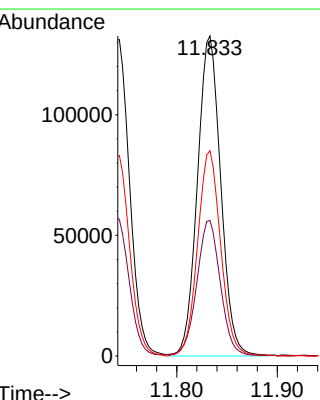
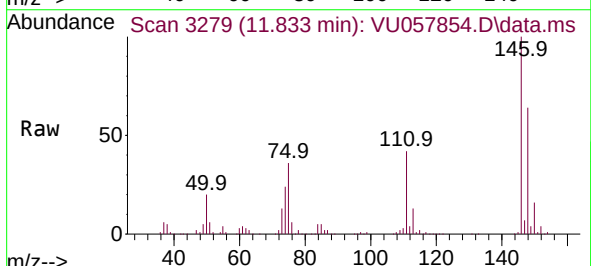
Tgt Ion:146 Resp: 214063

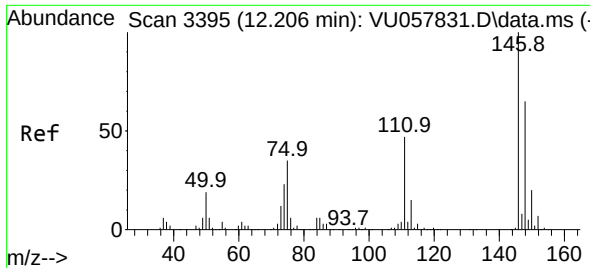
Ion Ratio Lower Upper

146 100

111 42.3 30.5 56.7

148 68.3 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 53.228 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

ClientSampleId :

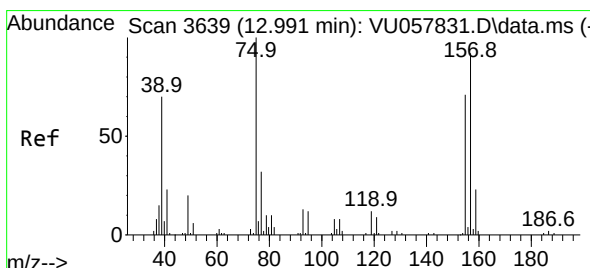
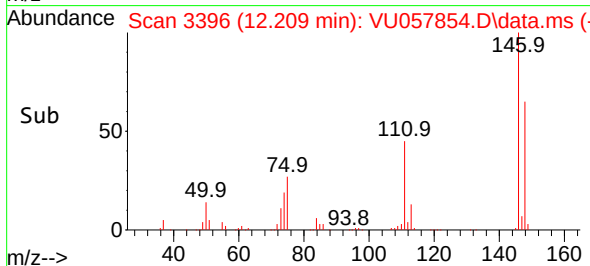
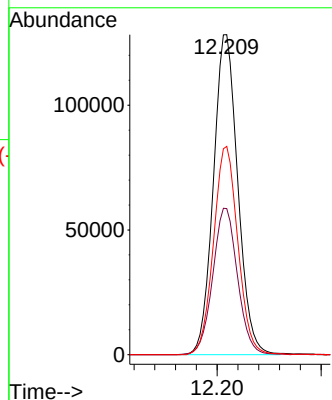
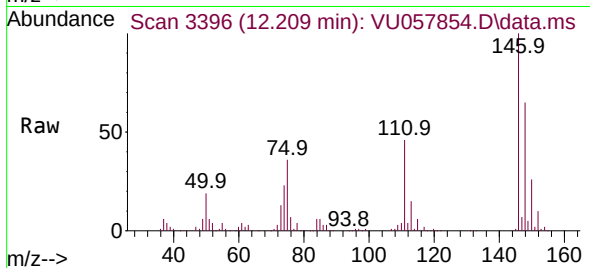
Tgt Ion:146 Resp: 209355

Ion Ratio Lower Upper

146 100

111 45.7 37.8 56.8

148 70.0 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 52.346 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

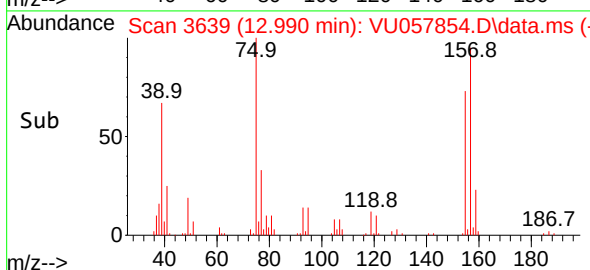
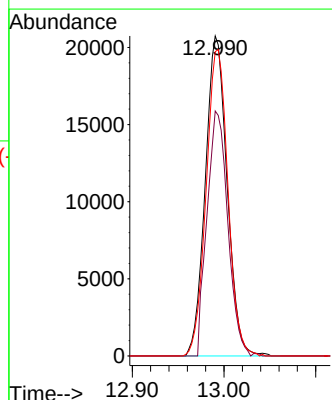
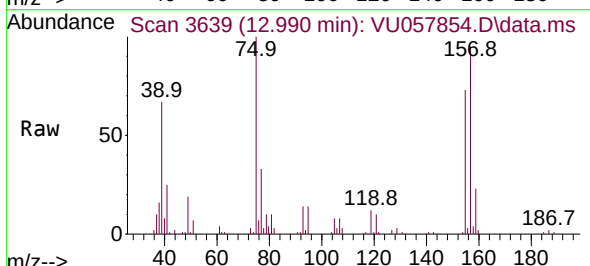
Tgt Ion: 75 Resp: 34258

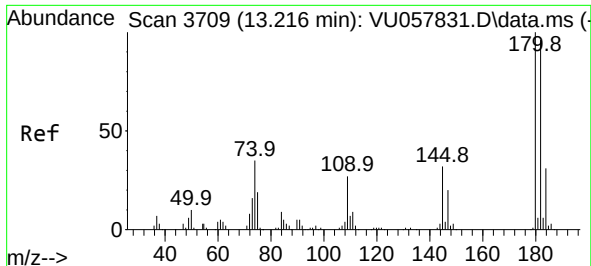
Ion Ratio Lower Upper

75 100

155 76.6 55.9 83.9

157 99.2 71.1 106.7





#69

1,3,5-Trichlorobenzene

Concen: 53.152 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. -0.000 min

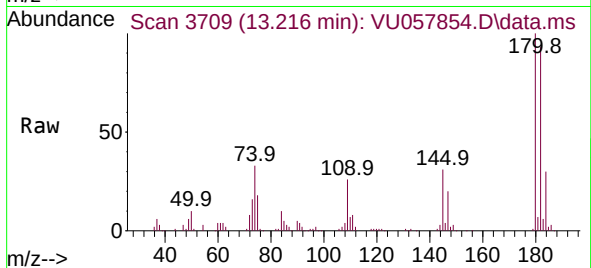
Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 146061

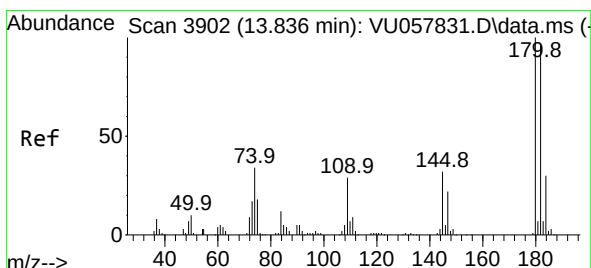
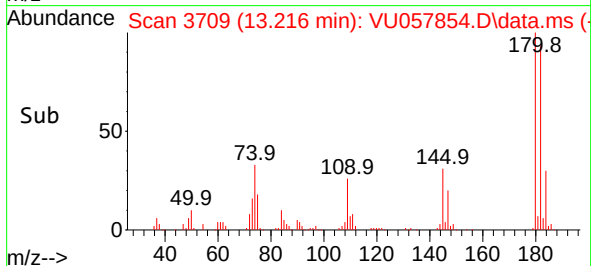
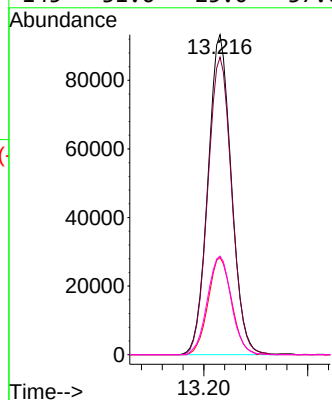
Ion Ratio Lower Upper

180 100

182 95.1 76.0 114.0

184 30.4 24.3 36.5

145 31.6 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 50.614 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

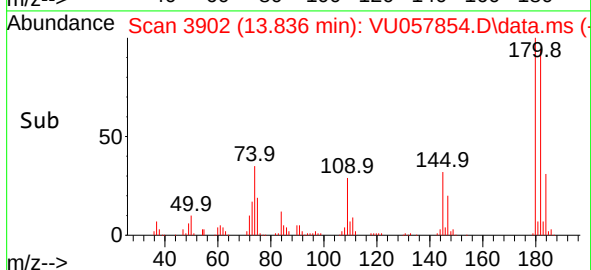
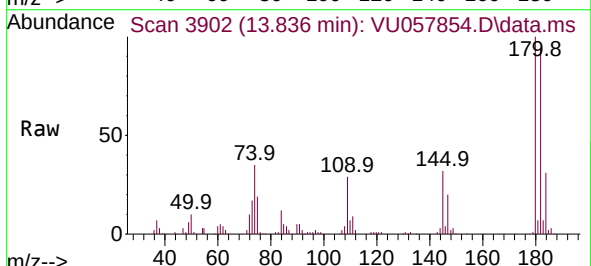
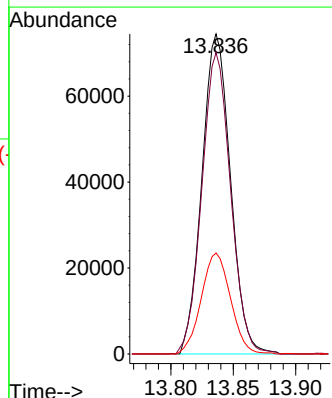
Tgt Ion:180 Resp: 118811

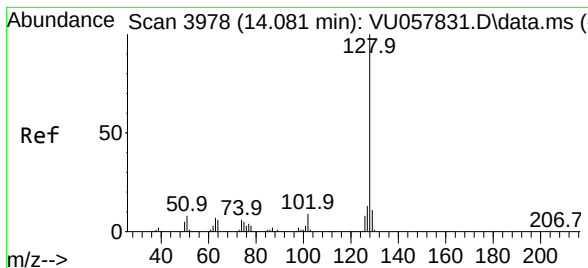
Ion Ratio Lower Upper

180 100

182 94.6 76.0 114.0

145 32.3 25.5 38.3





#71

Naphthalene

Concen: 49.647 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Instrument :

MSVOA_U

ClientSampleId :

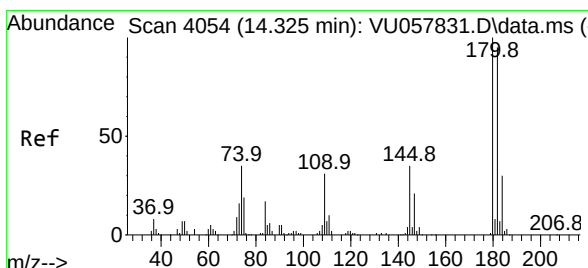
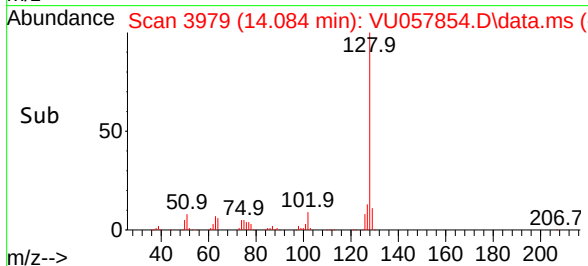
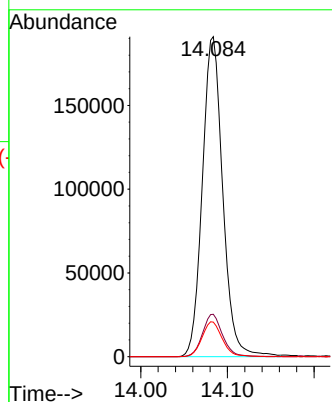
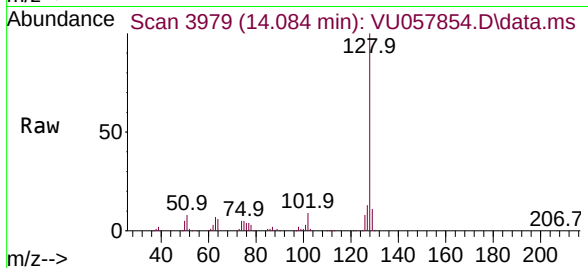
Tgt Ion:128 Resp: 312412

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 48.300 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU057854.D

Acq: 08 Feb 2024 09:49

Tgt Ion:180 Resp: 106089

Ion Ratio Lower Upper

180 100

182 97.0 76.6 114.8

145 34.6 27.7 41.5

