

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022224\
 Data File : VU057937.D
 Acq On : 22 Feb 2024 20:13
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 23 00:07:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 23 00:03:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	280457	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	269297	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	130577	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	80219	39.508	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.020%
7) Chloroethane-d5	1.904	69	65843	43.874	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.740%
11) 1,1-Dichloroethene-d2	2.560	63	164817	43.556	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.120%
21) 2-Butanone-d5	4.608	46	91077	118.057	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.060%
24) Chloroform-d	5.052	84	162694	47.254	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.500%
26) 1,2-Dichloroethane-d4	5.692	65	101003	46.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.600%
32) Benzene-d6	5.718	84	311914	46.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.440%
36) 1,2-Dichloropropane-d6	6.682	67	102772	47.161	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.320%
41) Toluene-d8	7.891	98	279803	45.801	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	8.171	79	47240	45.522	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.040%
47) 2-Hexanone-d5	8.624	63	72732	86.818	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.820%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	133595	44.428	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.860%
66) 1,2-Dichlorobenzene-d4	12.187	152	99067	46.855	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	131872	42.891	ug/L	100
3) Chloromethane	1.515	50	130320	41.687	ug/L	98
5) Vinyl chloride	1.599	62	134393	43.535	ug/L	99
6) Bromomethane	1.850	94	71119	59.005	ug/L	98
8) Chloroethane	1.927	64	79225	43.883	ug/L	99
9) Trichlorofluoromethane	2.133	101	168716	44.664	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	98354	44.800	ug/L	100
12) 1,1-Dichloroethene	2.573	96	92124	45.367	ug/L	91
13) Acetone	2.608	43	110856	77.609	ug/L	99
14) Carbon disulfide	2.785	76	291426	43.853	ug/L	99
15) Methyl Acetate	2.933	43	105008	45.156	ug/L	99
16) Methylene chloride	3.033	84	109276	41.288	ug/L	99
17) trans-1,2-Dichloroethene	3.342	96	96769	45.934	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	328674	44.811	ug/L	99
19) 1,1-Dichloroethane	3.856	63	201292	46.086	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	108521	44.903	ug/L	98
22) 2-Butanone	4.686	43	151143	87.338	ug/L	99
23) Bromochloromethane	4.962	128	52718	44.896	ug/L	98
25) Chloroform	5.078	83	199267	46.206	ug/L	98

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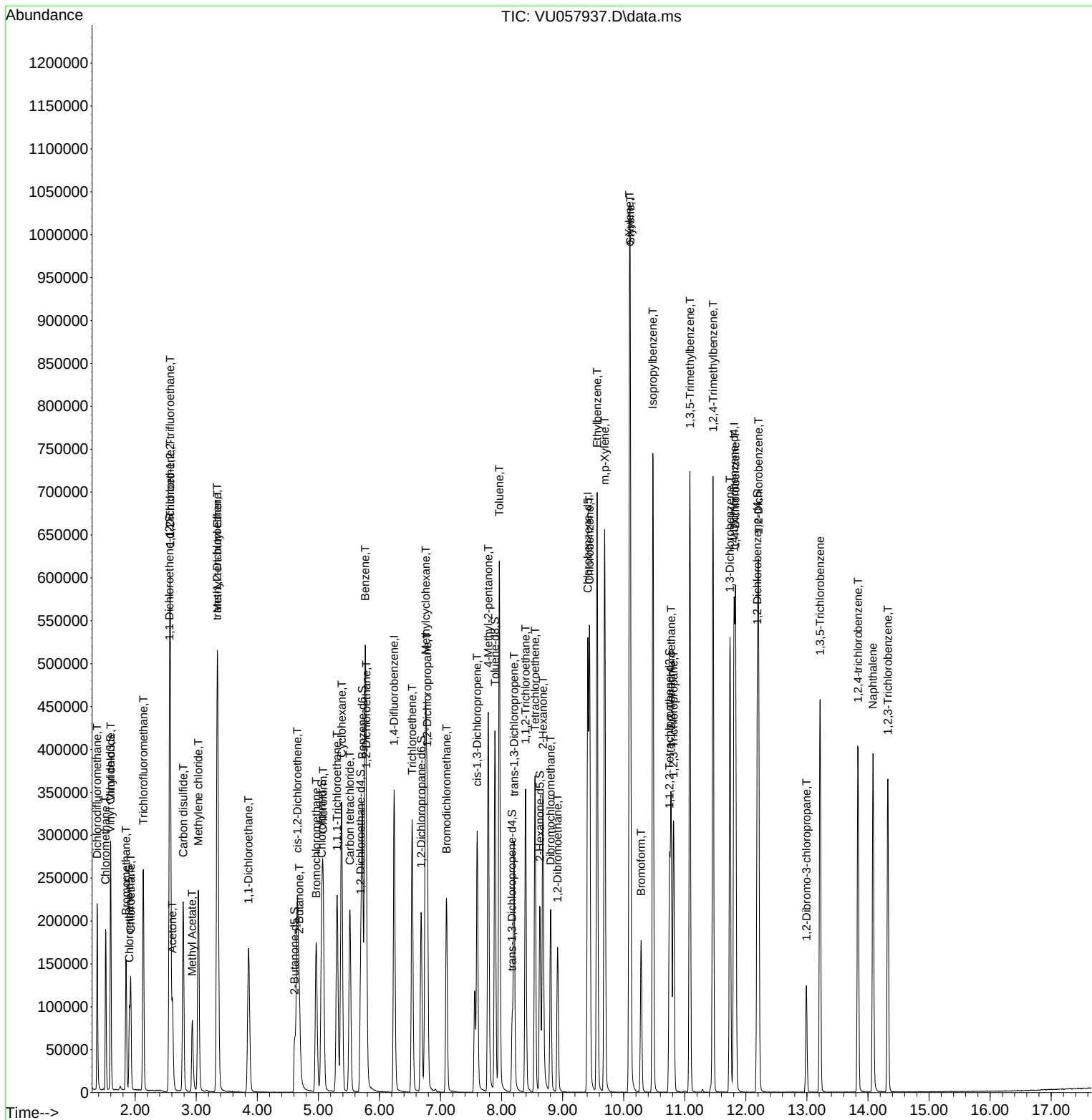
Instrument :
 MSVOA_U
 ClientSampleId :

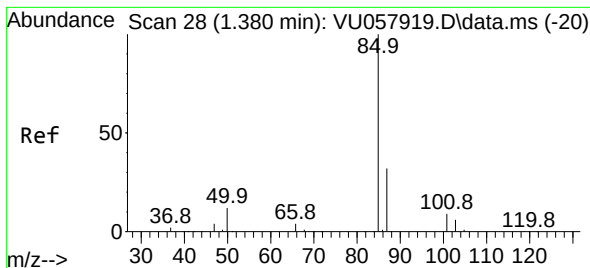
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	159455	44.437	ug/L	98
29) Cyclohexane	5.380	56	176771	44.601	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	169560	46.723	ug/L	98
31) Carbon tetrachloride	5.515	117	144881	46.490	ug/L	100
33) Benzene	5.766	78	427973	45.564	ug/L	100
34) Trichloroethene	6.534	95	111932	46.360	ug/L	96
35) Methylcyclohexane	6.756	83	171564	43.736	ug/L	99
37) 1,2-Dichloropropane	6.782	63	120393	45.426	ug/L	100
38) Bromodichloromethane	7.097	83	146878	46.150	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	183964	45.421	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	297308	89.117	ug/L	99
42) Toluene	7.962	91	445725	45.853	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	168156	44.738	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	107873	45.808	ug/L	98
46) Tetrachloroethene	8.547	164	76657	46.135	ug/L	96
48) 2-Hexanone	8.676	43	224799	82.554	ug/L	96
49) Dibromochloromethane	8.801	129	106850	45.561	ug/L	96
50) 1,2-Dibromoethane	8.917	107	112340	45.307	ug/L	100
51) Chlorobenzene	9.441	112	276852	44.788	ug/L	99
52) Ethylbenzene	9.563	91	497811	45.672	ug/L	96
53) m,p-Xylene	9.689	106	177025	44.659	ug/L	99
54) o-Xylene	10.094	106	177652	45.359	ug/L	97
55) Styrene	10.107	104	301030	44.821	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	170379	42.471	ug/L	98
59) Bromoform	10.283	173	74778	46.652	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	135451	44.774	ug/L	99
61) Isopropylbenzene	10.476	105	474714	46.520	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	392787	44.677	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	390205	44.170	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	200509	44.439	ug/L	94
65) 1,4-Dichlorobenzene	11.830	146	202831	44.129	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	194872	43.901	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	31814	44.293	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	132758	43.747	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	114866	47.012	ug/L	100
71) Naphthalene	14.081	128	304969	47.002	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	104710	46.658	ug/L	99

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

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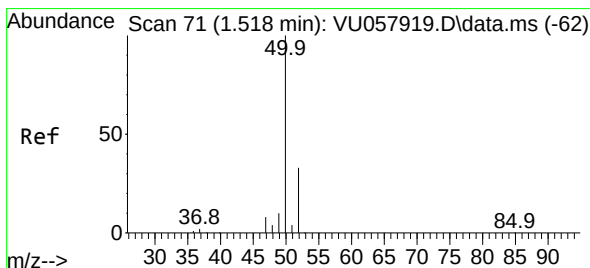
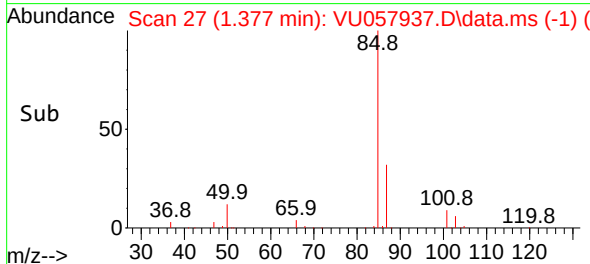
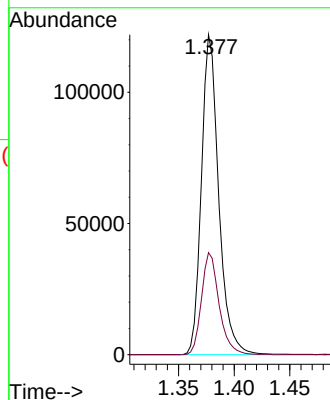
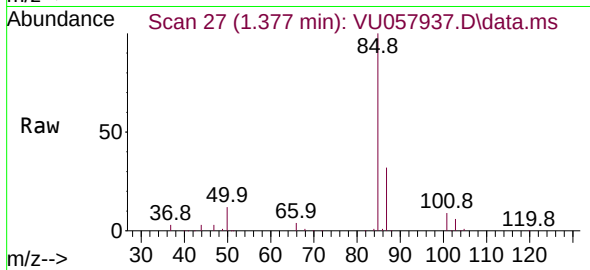




#2
 Dichlorodifluoromethane
 Concen: 42.891 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU057937.D
 Acq: 22 Feb 2024 20:13

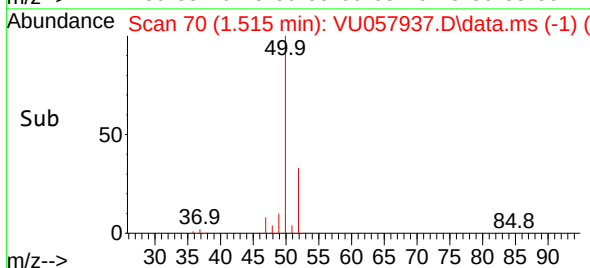
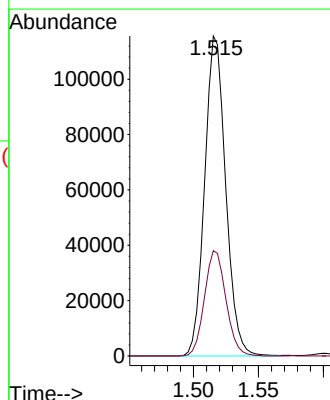
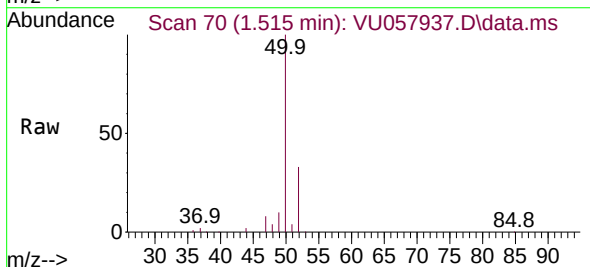
Instrument :
 MSVOA_U
 ClientSampleId :

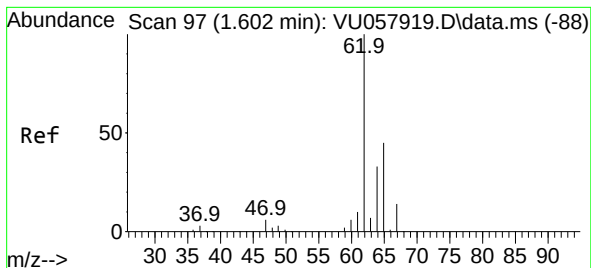
Tgt Ion: 85 Resp: 131872
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.2 39.2



#3
 Chloromethane
 Concen: 41.687 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU057937.D
 Acq: 22 Feb 2024 20:13

Tgt Ion: 50 Resp: 130320
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.8 44.2





#5

Vinyl chloride

Concen: 43.535 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.003 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

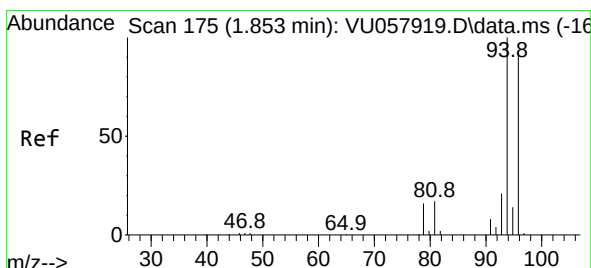
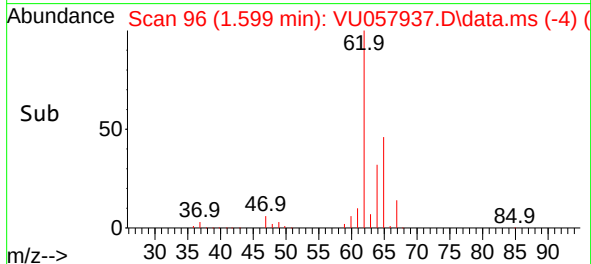
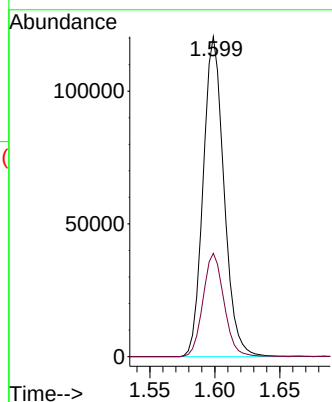
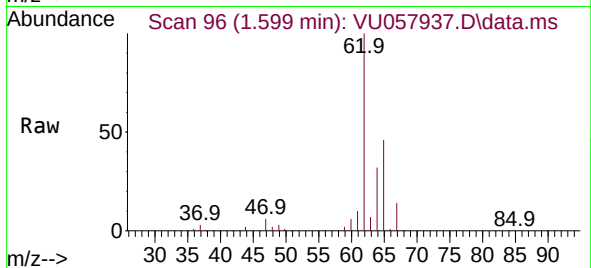
ClientSampleId :

Tgt Ion: 62 Resp: 134393

Ion Ratio Lower Upper

62 100

64 32.3 23.1 42.9



#6

Bromomethane

Concen: 59.005 ug/L

RT: 1.850 min Scan# 174

Delta R.T. -0.003 min

Lab File: VU057937.D

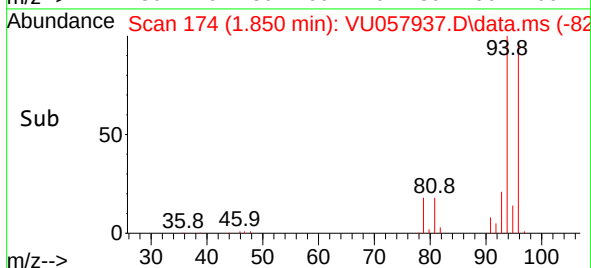
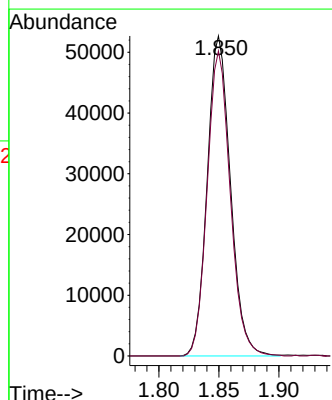
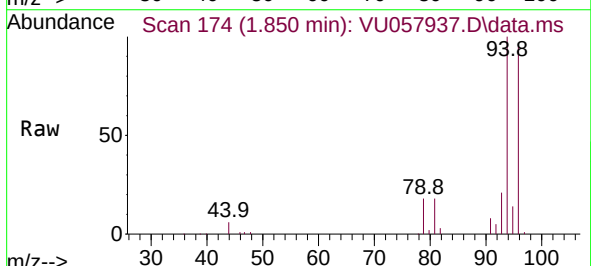
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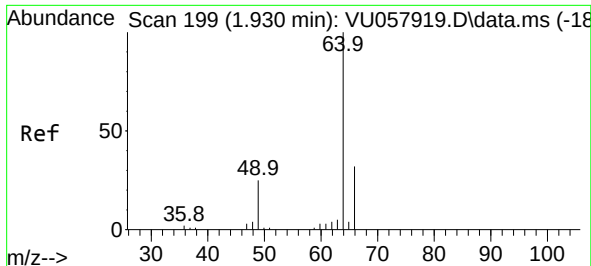
Tgt Ion: 94 Resp: 71119

Ion Ratio Lower Upper

94 100

96 95.3 65.5 121.7

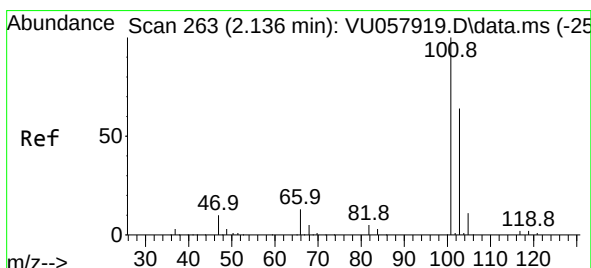
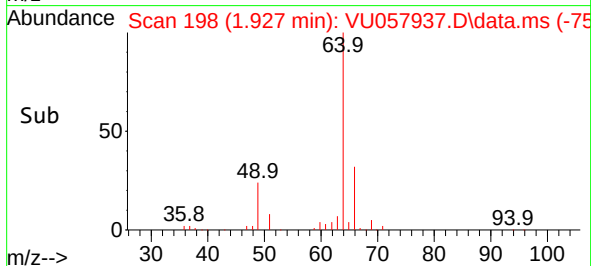
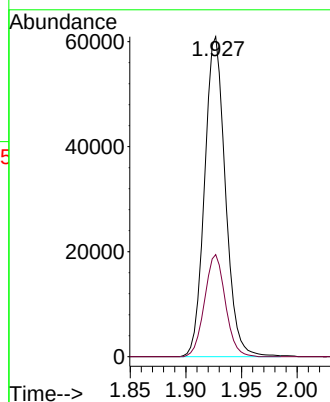
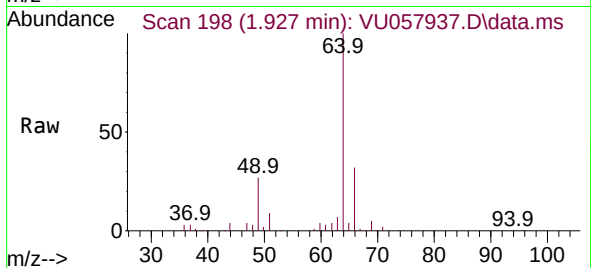




#8
Chloroethane
Concen: 43.883 ug/L
RT: 1.927 min Scan# 19
Delta R.T. -0.003 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

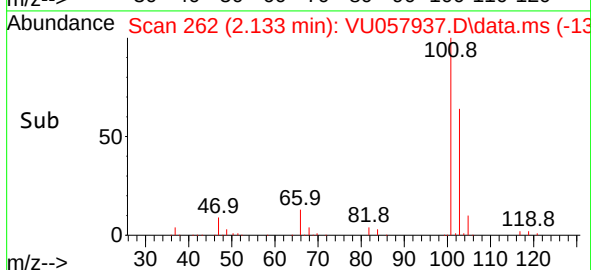
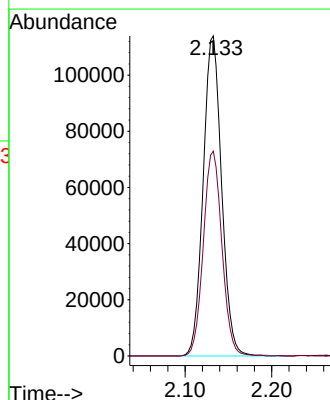
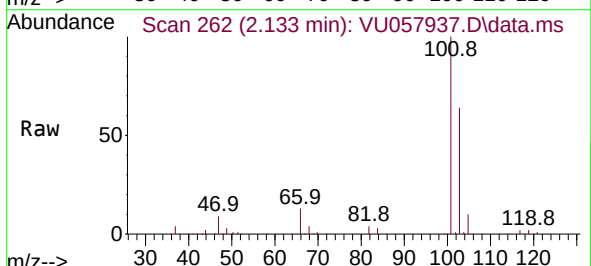
Instrument :
MSVOA_U
ClientSampleId :

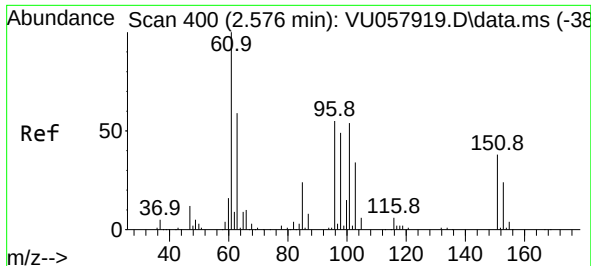
Tgt Ion: 64 Resp: 79225
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 44.664 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

Tgt Ion:101 Resp: 168716
Ion Ratio Lower Upper
101 100
103 64.4 51.7 77.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 44.800 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU057937.D

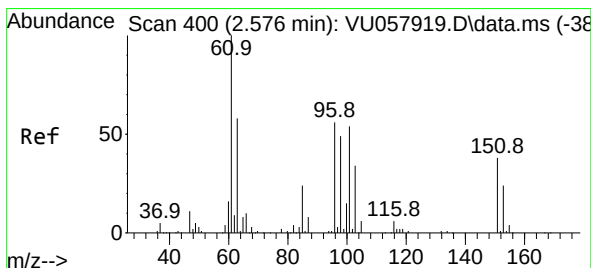
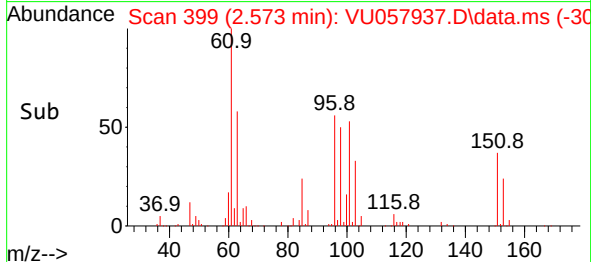
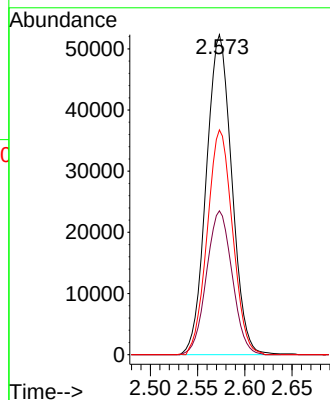
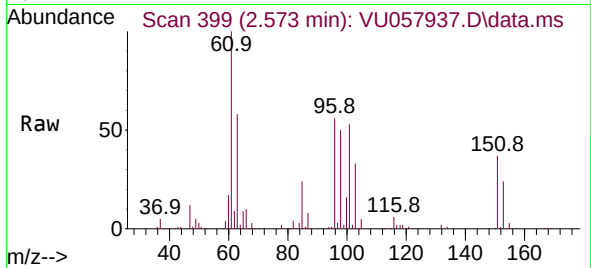
Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	98354
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.7	53.5
151	69.6	55.8	83.6



#12

1,1-Dichloroethene

Concen: 45.367 ug/L

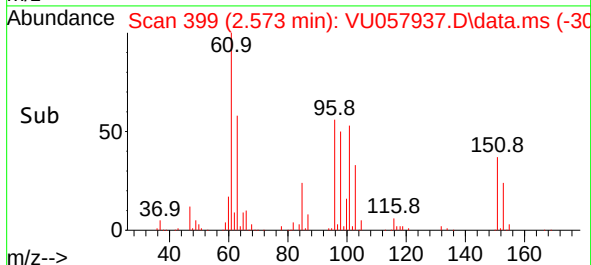
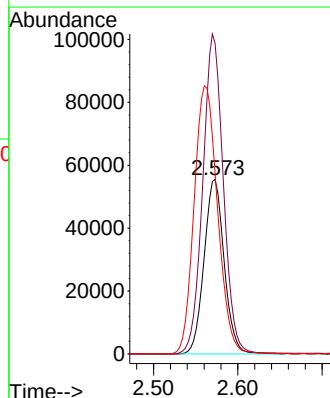
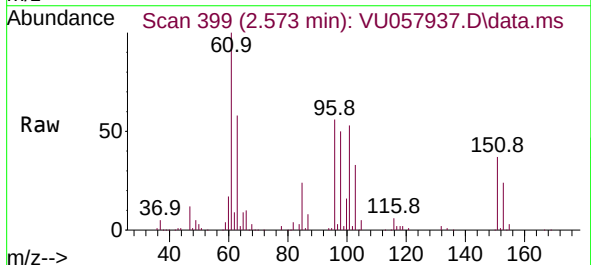
RT: 2.573 min Scan# 399

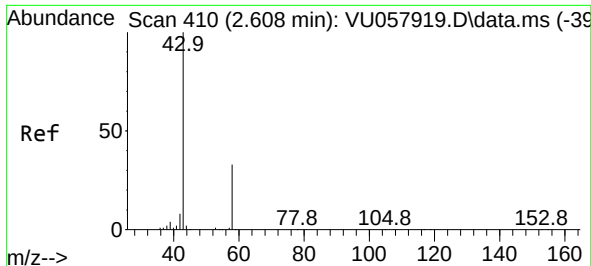
Delta R.T. -0.003 min

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Tgt Ion:	96	Resp:	92124
Ion Ratio	Lower	Upper	
96	100		
61	178.0	126.8	235.6
63	103.5	86.5	160.7





#13

Acetone

Concen: 77.609 ug/L

RT: 2.608 min Scan# 410

Delta R.T. 0.000 min

Lab File: VU057937.D

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Instrument :

MSVOA_U

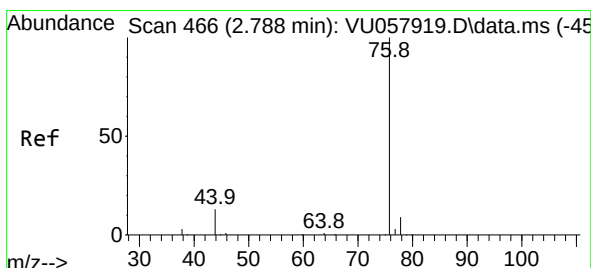
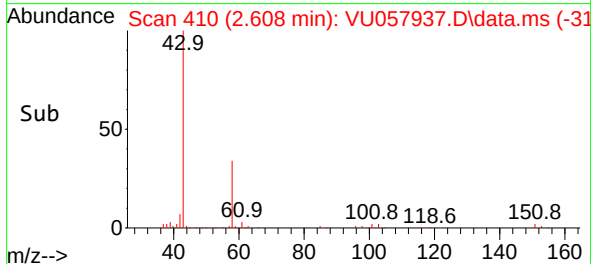
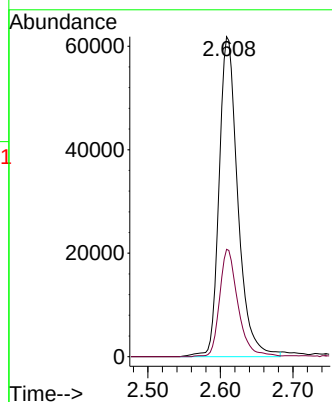
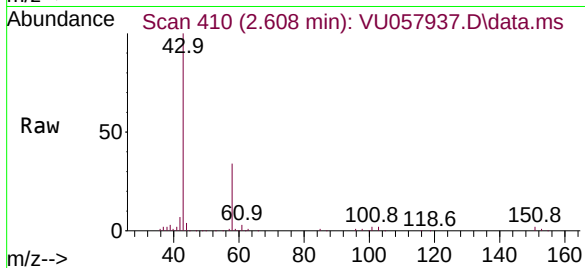
ClientSampleId :

Tgt Ion: 43 Resp: 110856

Ion Ratio Lower Upper

43 100

58 32.6 0.0 64.2



#14

Carbon disulfide

Concen: 43.853 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU057937.D

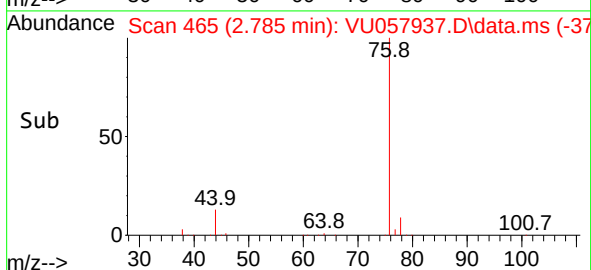
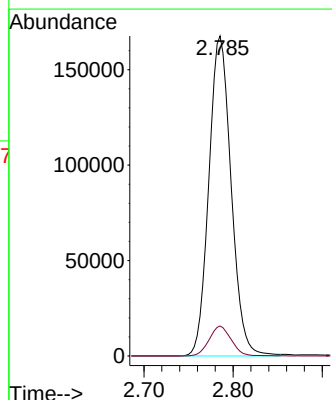
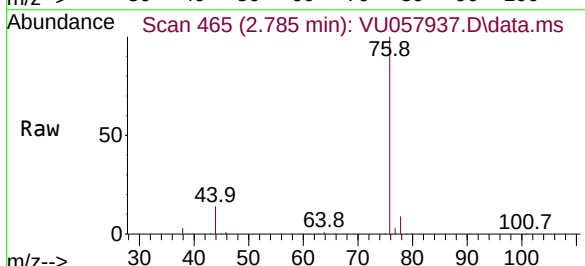
Acq: 22 Feb 2024 20:13

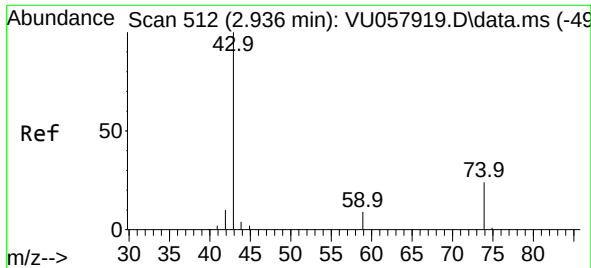
Tgt Ion: 76 Resp: 291426

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

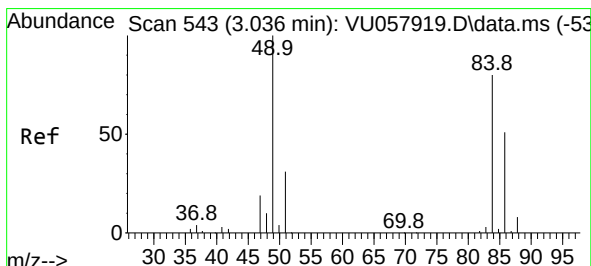
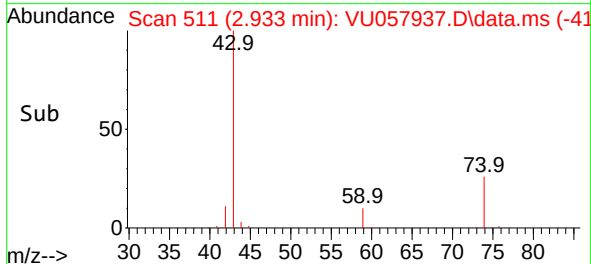
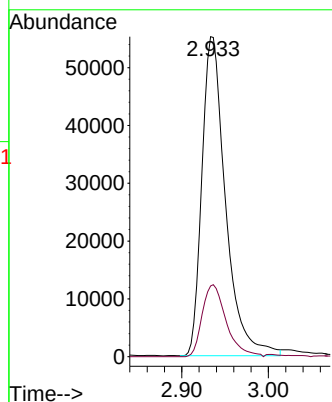
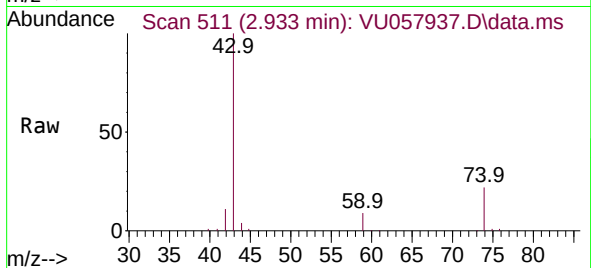




#15
Methyl Acetate
Concen: 45.156 ug/L
RT: 2.933 min Scan# 511
Delta R.T. -0.003 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

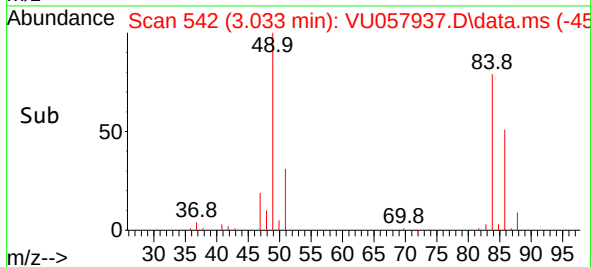
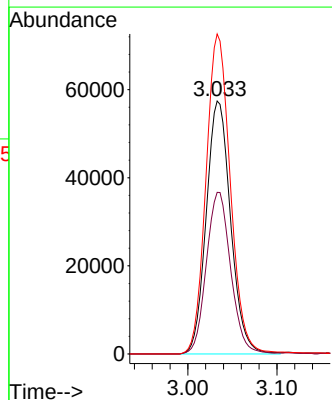
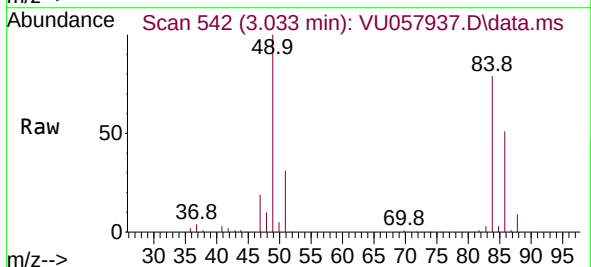
Instrument :
MSVOA_U
ClientSampleId :

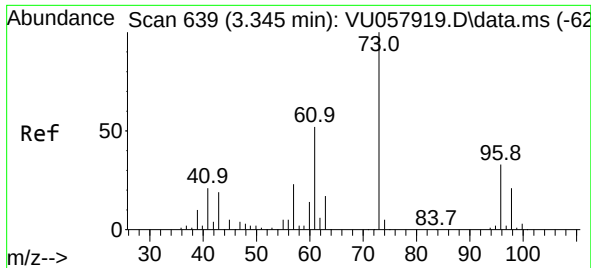
Tgt Ion: 43 Resp: 105008
Ion Ratio Lower Upper
43 100
74 22.8 18.6 27.8



#16
Methylene chloride
Concen: 41.288 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.003 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

Tgt Ion: 84 Resp: 109276
Ion Ratio Lower Upper
84 100
86 63.9 45.1 83.7
49 126.5 89.7 166.5

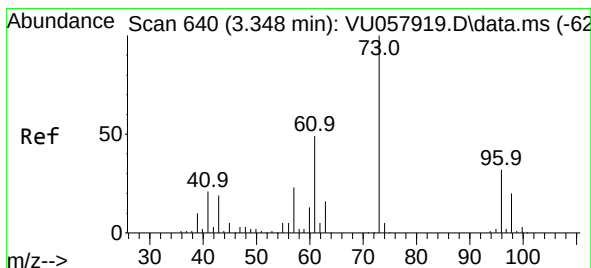
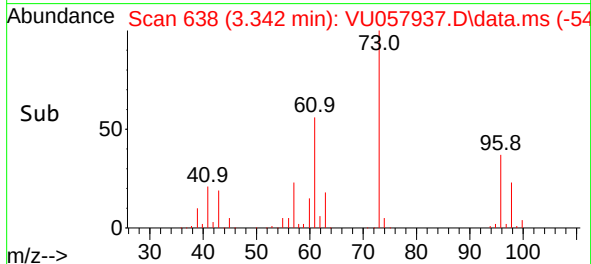
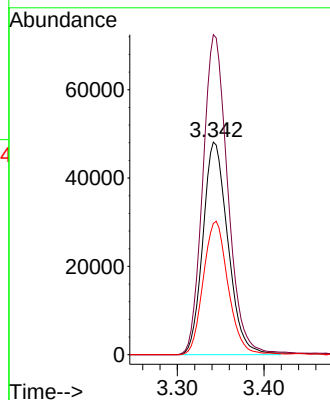
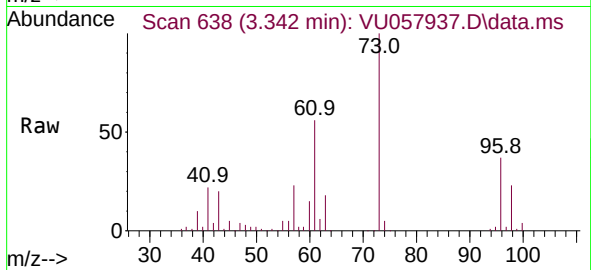




#17
trans-1,2-Dichloroethene
Concen: 45.934 ug/L
RT: 3.342 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

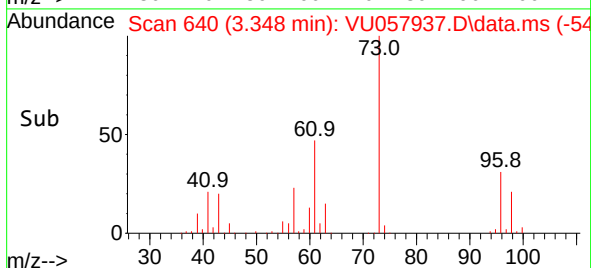
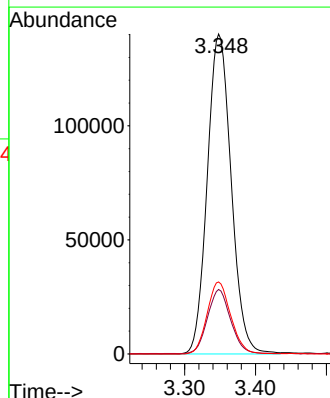
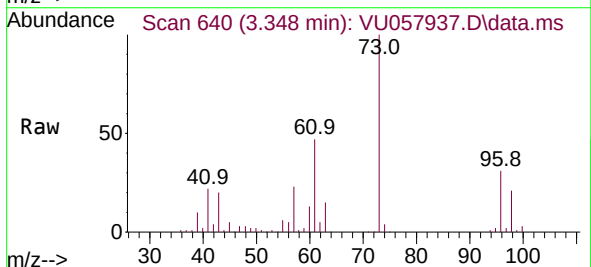
Instrument :
MSVOA_U
ClientSampleId :

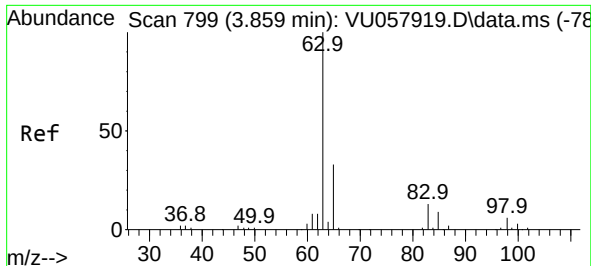
Tgt Ion: 96 Resp: 96769
Ion Ratio Lower Upper
96 100
61 150.5 106.3 197.3
98 61.7 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 44.811 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

Tgt Ion: 73 Resp: 328674
Ion Ratio Lower Upper
73 100
43 19.2 16.0 24.0
57 22.2 17.8 26.6





#19

1,1-Dichloroethane

Concen: 46.086 ug/L

RT: 3.856 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

ClientSampleId :

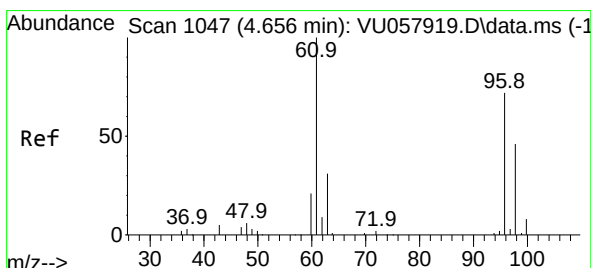
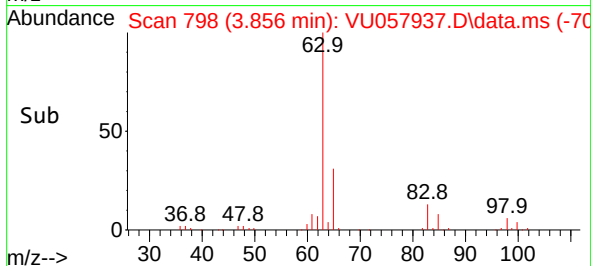
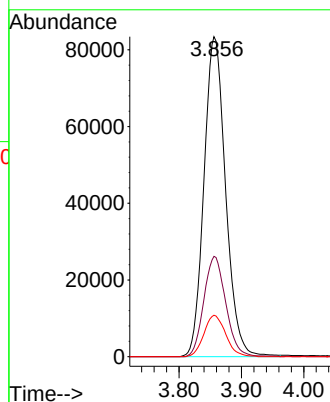
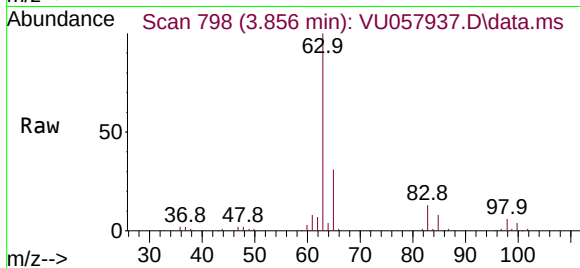
Tgt Ion: 63 Resp: 201292

Ion Ratio Lower Upper

63 100

65 31.3 21.7 40.3

83 12.9 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 44.903 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

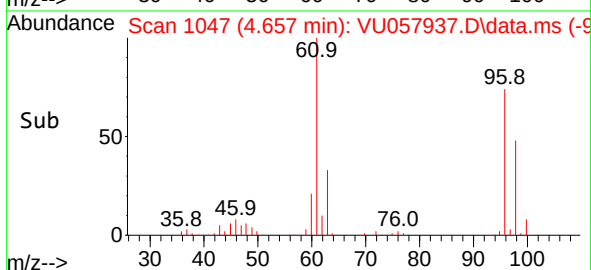
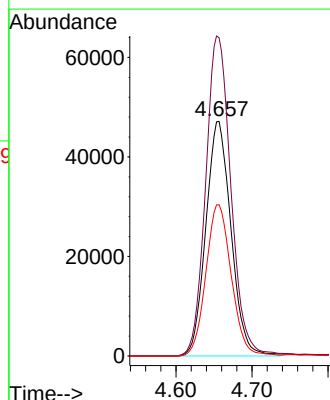
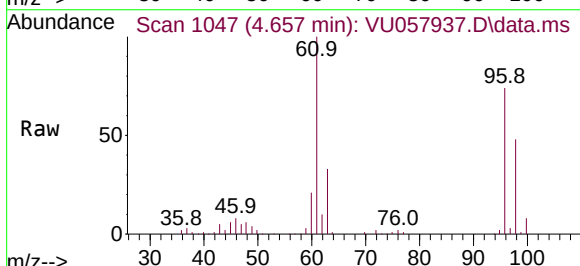
Tgt Ion: 96 Resp: 108521

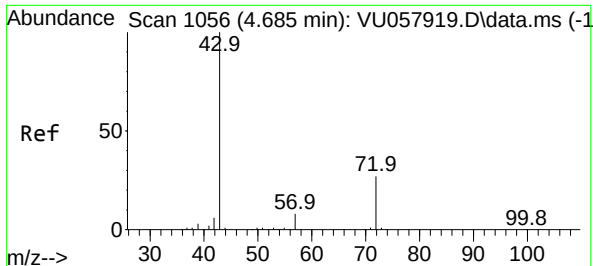
Ion Ratio Lower Upper

96 100

61 135.7 96.7 179.7

98 64.5 44.3 82.3





#22

2-Butanone

Concen: 87.338 ug/L

RT: 4.686 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

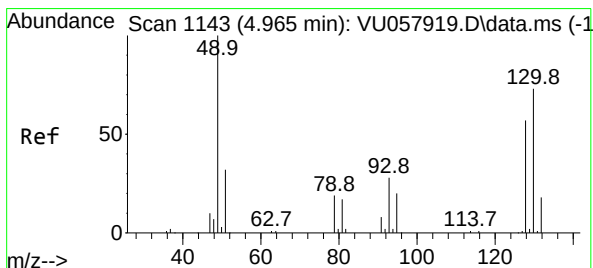
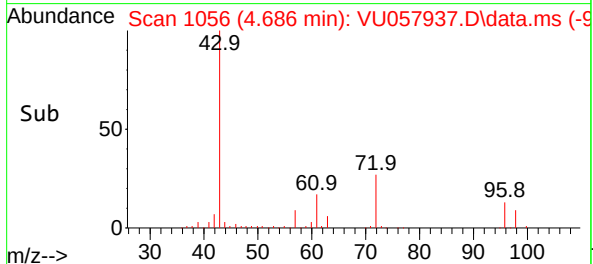
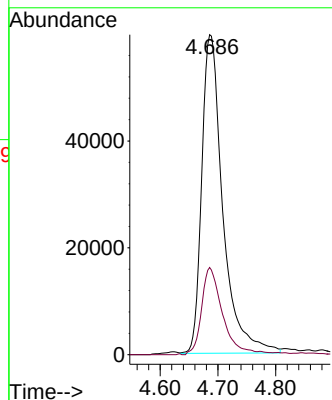
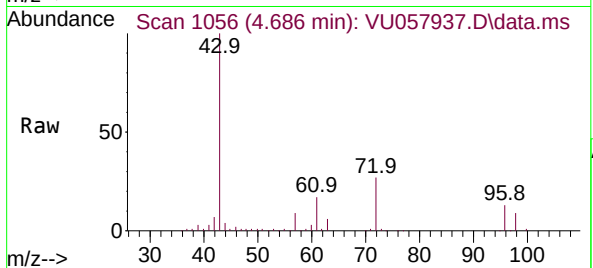
ClientSampleId :

Tgt Ion: 43 Resp: 151143

Ion Ratio Lower Upper

43 100

72 26.7 13.8 41.3



#23

Bromochloromethane

Concen: 44.896 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. -0.003 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Tgt Ion:128 Resp: 52718

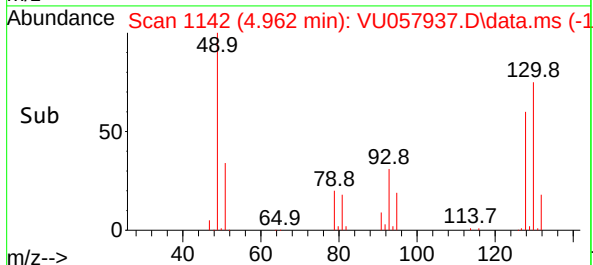
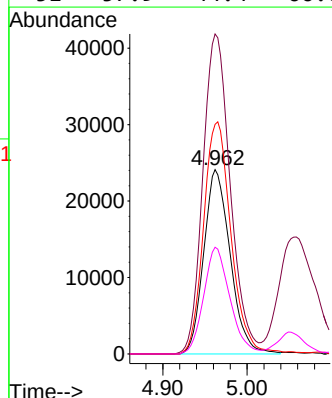
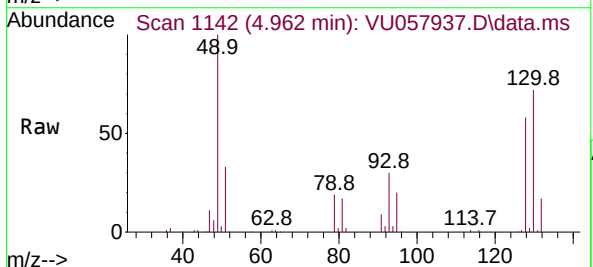
Ion Ratio Lower Upper

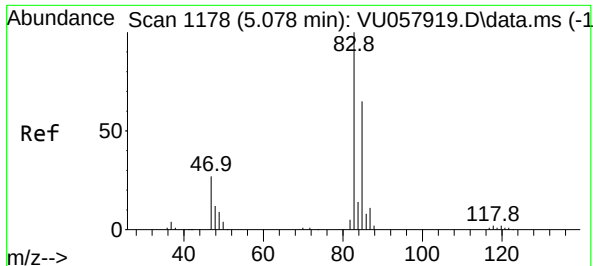
128 100

49 173.6 124.0 230.4

130 124.5 87.8 163.0

51 57.9 44.4 66.6





#25

Chloroform

Concen: 46.206 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

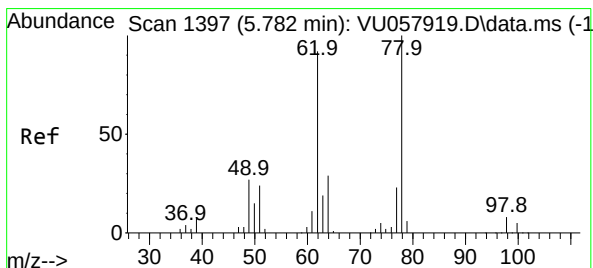
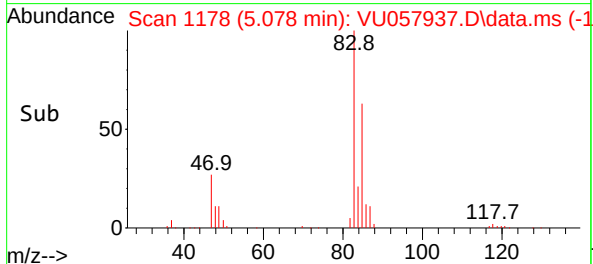
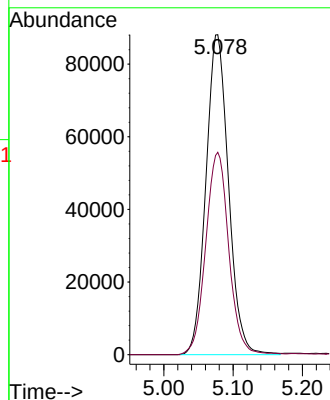
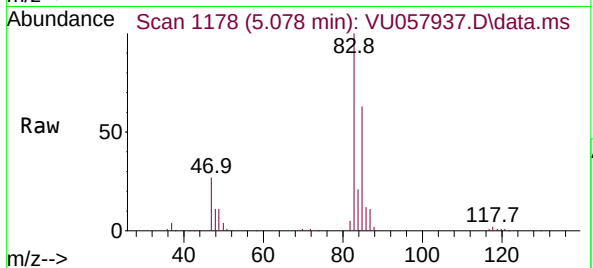
ClientSampleId :

Tgt Ion: 83 Resp: 199267

Ion Ratio Lower Upper

83 100

85 63.3 45.6 84.6



#27

1,2-Dichloroethane

Concen: 44.437 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU057937.D

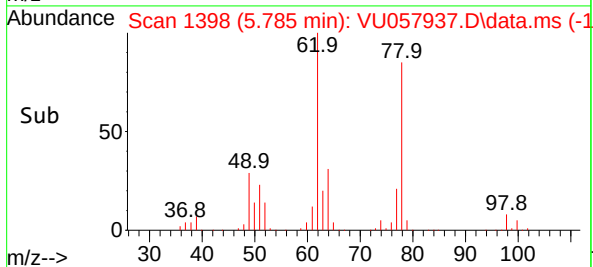
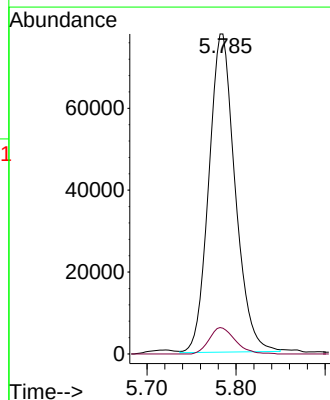
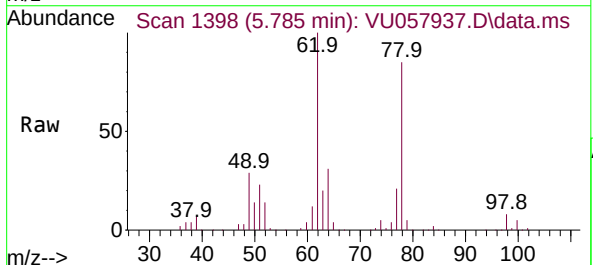
Acq: 22 Feb 2024 20:13

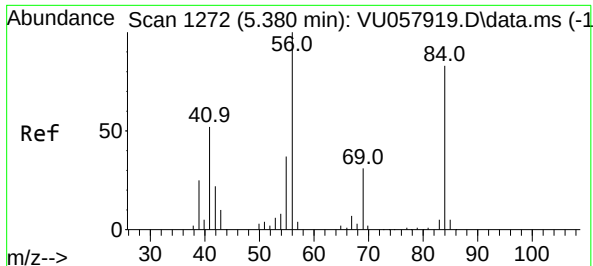
Tgt Ion: 62 Resp: 159455

Ion Ratio Lower Upper

62 100

98 8.0 7.1 10.7





#29

Cyclohexane

Concen: 44.601 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

ClientSampleId :

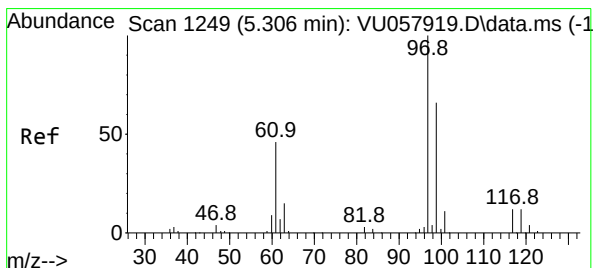
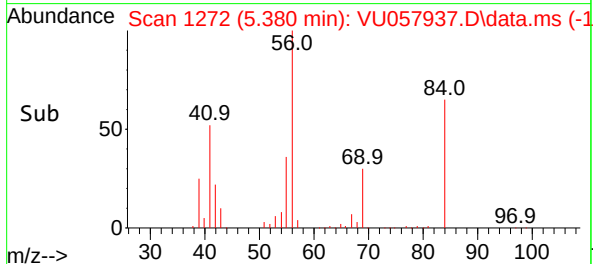
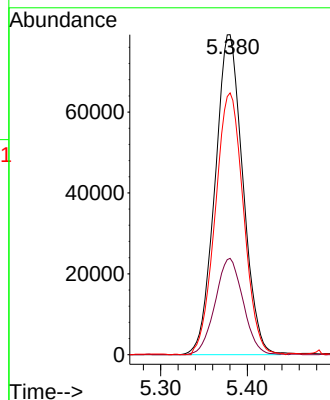
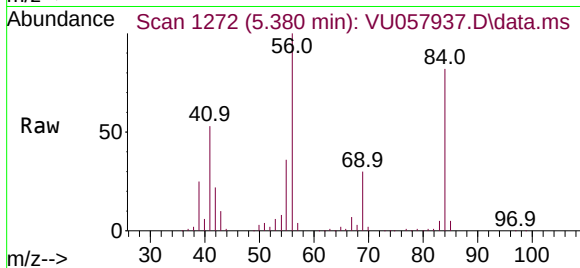
Tgt Ion: 56 Resp: 176771

Ion Ratio Lower Upper

56 100

69 30.2 24.6 36.8

84 82.8 66.9 100.3



#30

1,1,1-Trichloroethane

Concen: 46.723 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

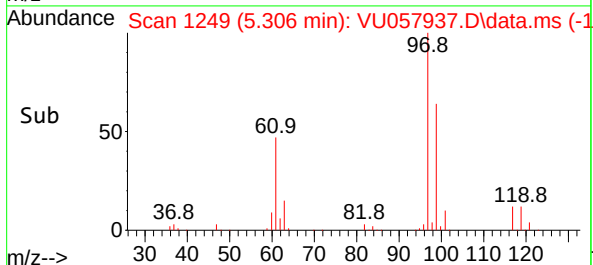
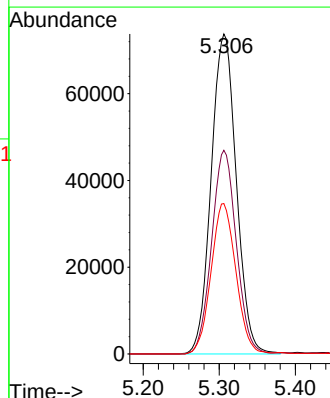
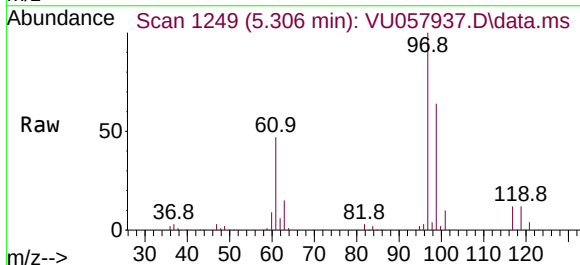
Tgt Ion: 97 Resp: 169560

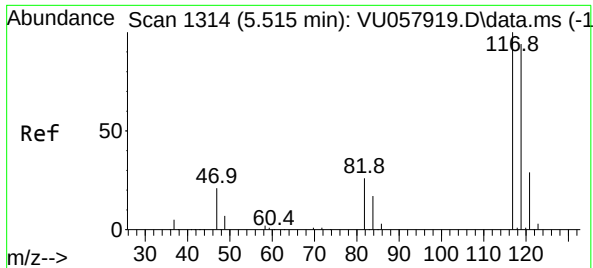
Ion Ratio Lower Upper

97 100

99 62.5 51.6 77.4

61 46.4 36.8 55.2

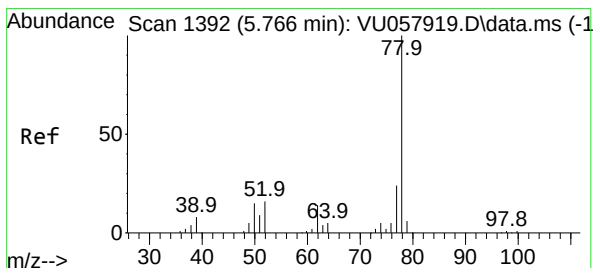
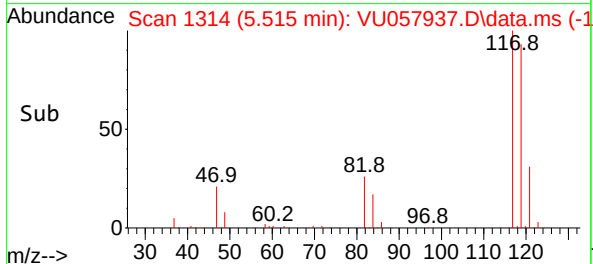
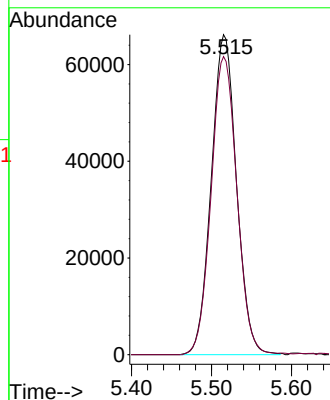
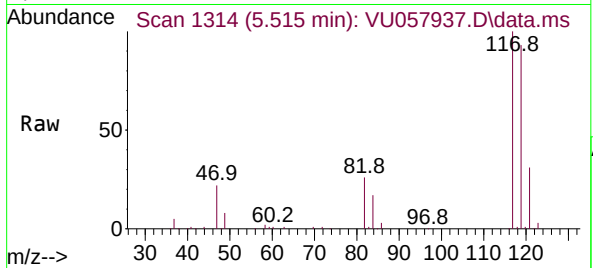




#31
Carbon tetrachloride
Concen: 46.490 ug/L
RT: 5.515 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

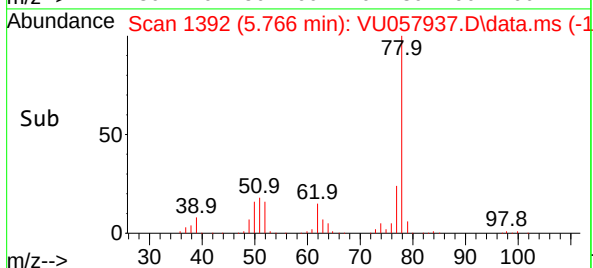
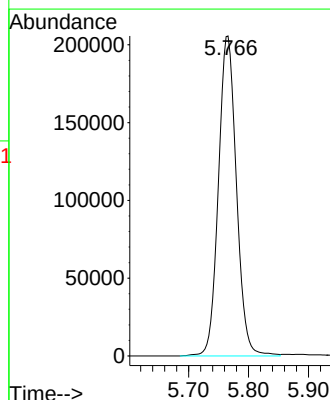
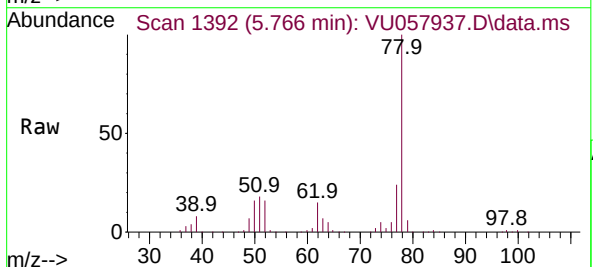
Instrument :
MSVOA_U
ClientSampleId :

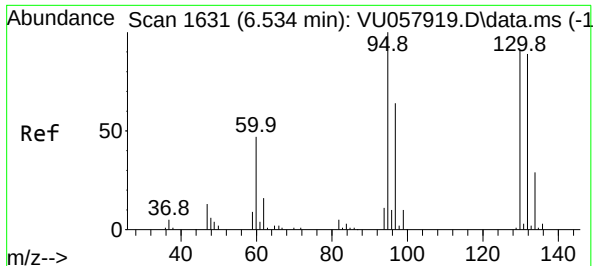
Tgt Ion:117 Resp: 144881
Ion Ratio Lower Upper
117 100
119 95.2 75.9 113.9



#33
Benzene
Concen: 45.564 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

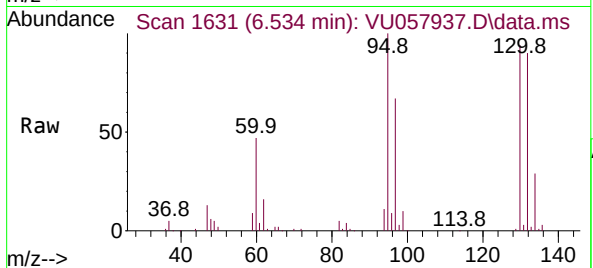
Tgt Ion: 78 Resp: 427973



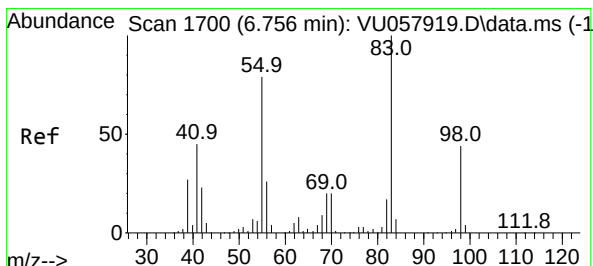
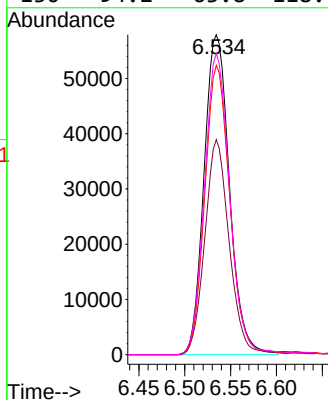
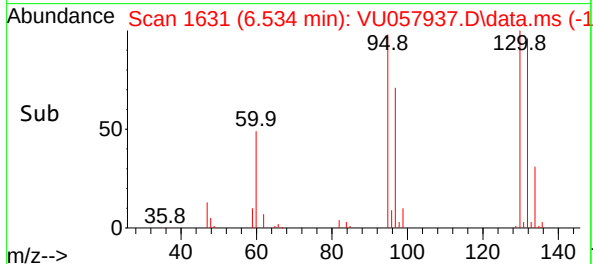


#34
Trichloroethene
Concen: 46.360 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

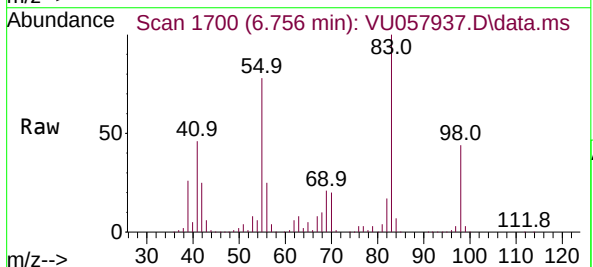
Instrument :
MSVOA_U
ClientSampleId :



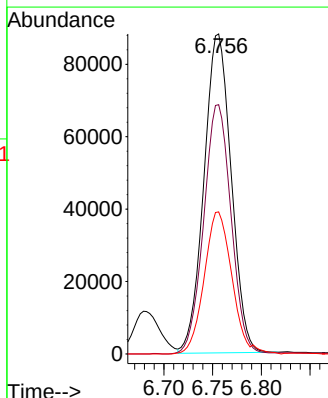
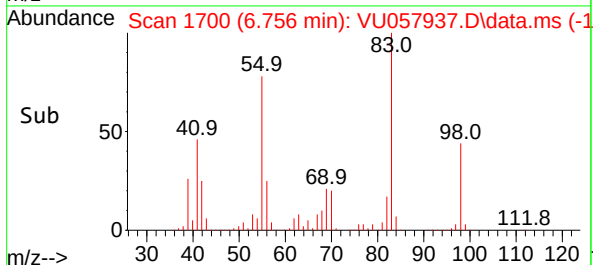
Tgt Ion: 95 Resp: 111932
Ion Ratio Lower Upper
95 100
97 67.2 44.2 82.2
132 90.4 61.4 114.0
130 94.2 63.8 118.4

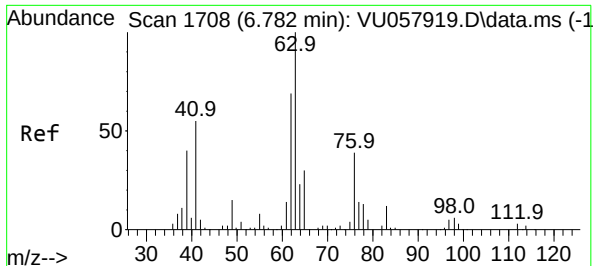


#35
Methylcyclohexane
Concen: 43.736 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13



Tgt Ion: 83 Resp: 171564
Ion Ratio Lower Upper
83 100
55 78.5 62.7 94.1
98 44.3 36.3 54.5

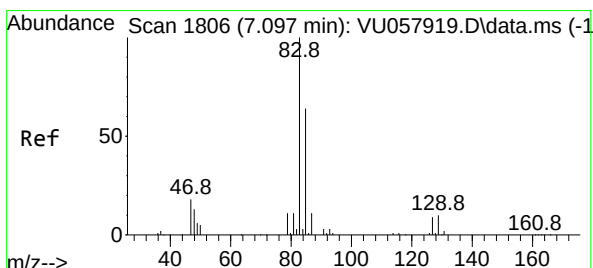
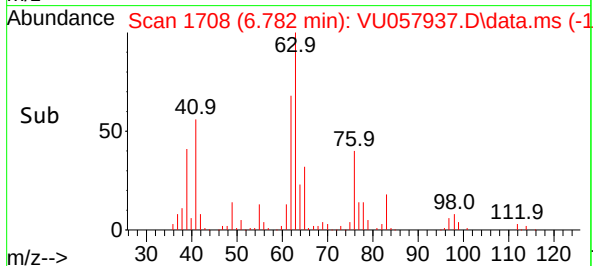
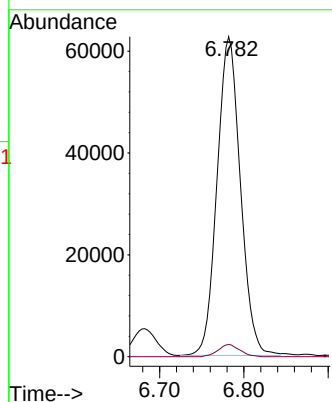
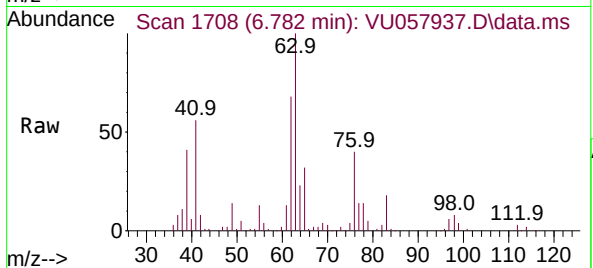




#37
1,2-Dichloropropane
Concen: 45.426 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

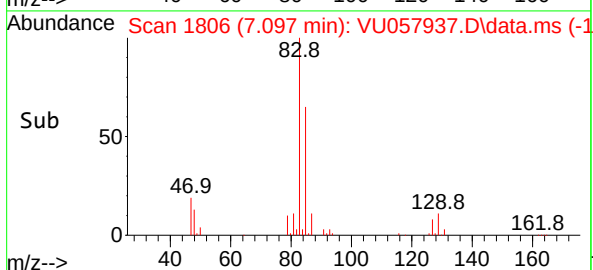
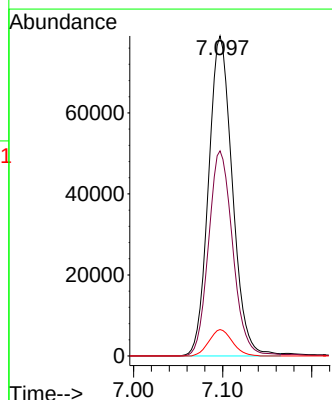
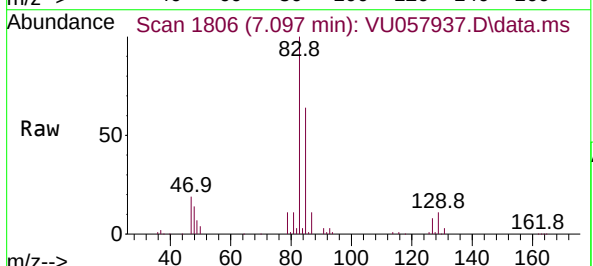
Instrument :
MSVOA_U
ClientSampleId :

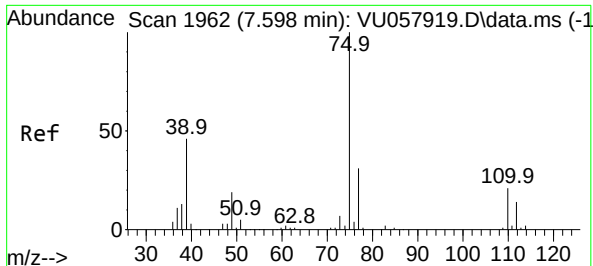
Tgt Ion: 63 Resp: 120393
Ion Ratio Lower Upper
63 100
112 3.5 2.9 4.3



#38
Bromodichloromethane
Concen: 46.150 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

Tgt Ion: 83 Resp: 146878
Ion Ratio Lower Upper
83 100
85 64.1 45.4 84.4
127 9.1 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 45.421 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

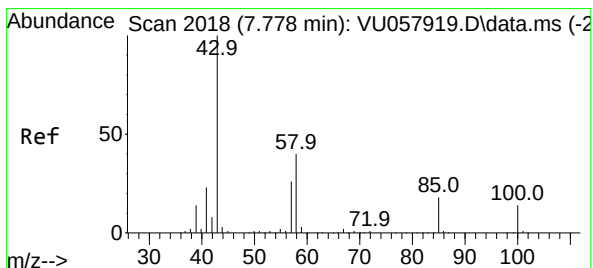
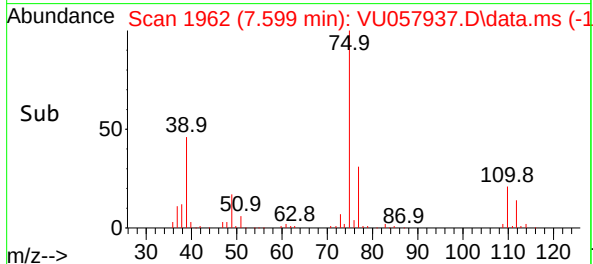
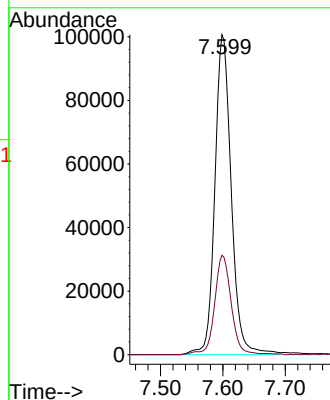
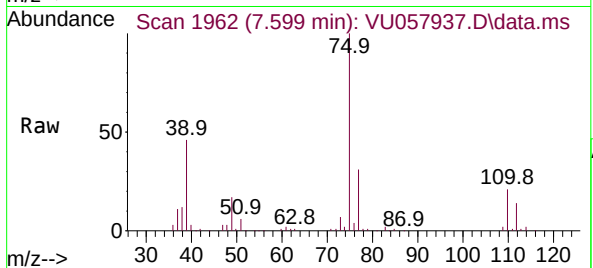
ClientSampleId :

Tgt Ion: 75 Resp: 183964

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 89.117 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.003 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

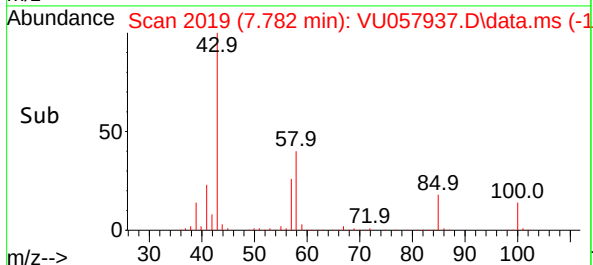
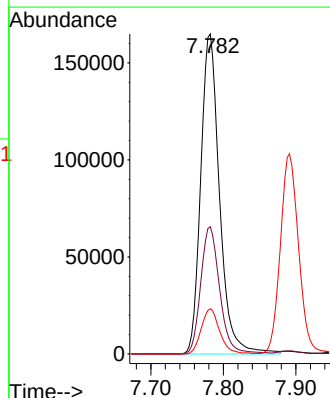
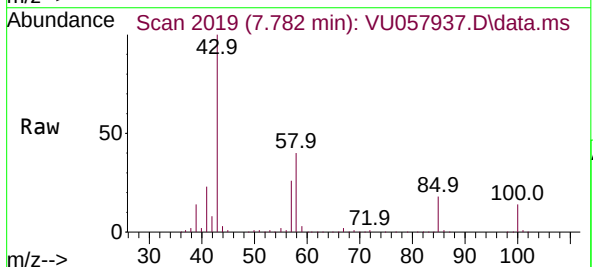
Tgt Ion: 43 Resp: 297308

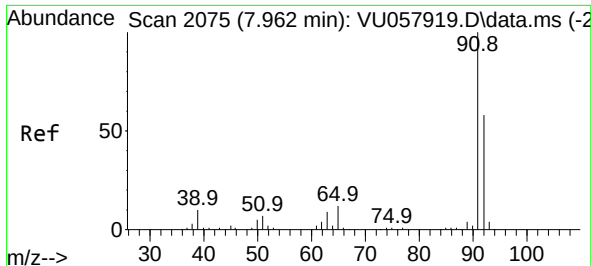
Ion Ratio Lower Upper

43 100

58 40.1 32.3 48.5

100 13.7 11.4 17.0





#42

Toluene

Concen: 45.853 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

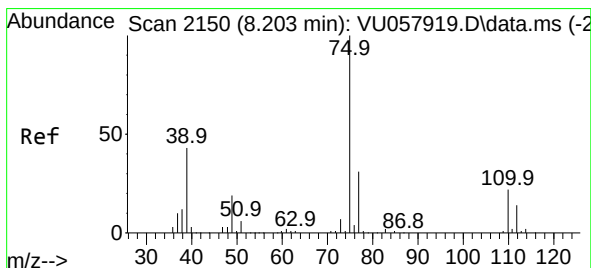
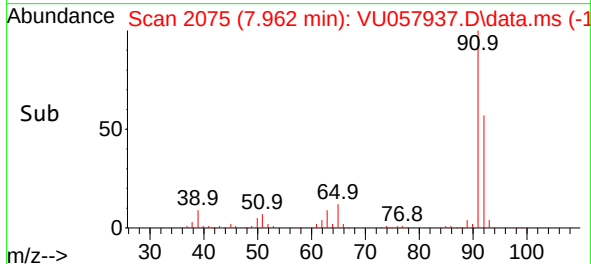
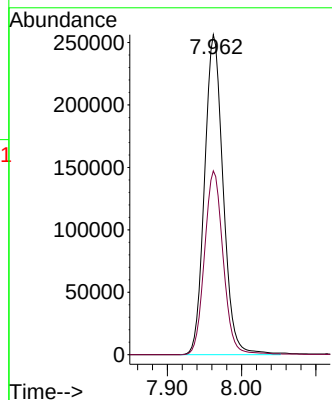
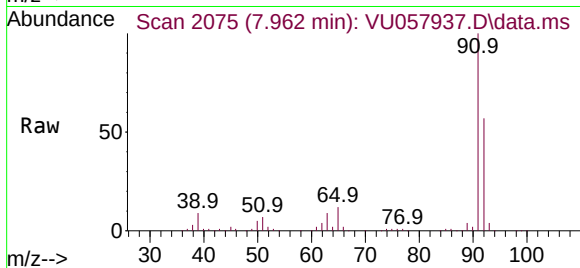
ClientSampleId :

Tgt Ion: 91 Resp: 445725

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 44.738 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057937.D

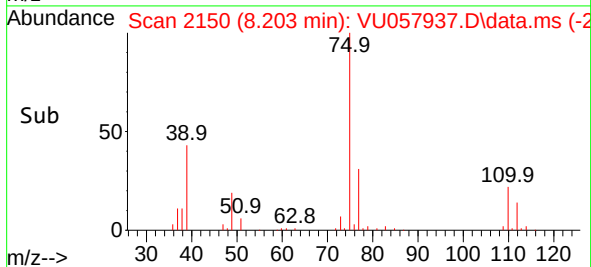
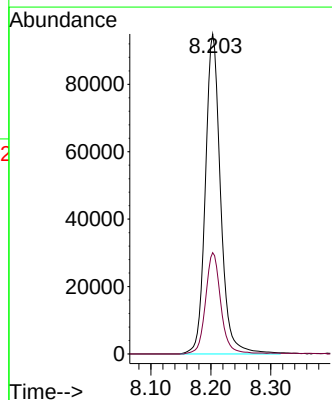
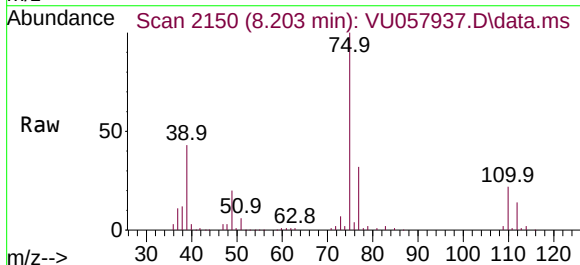
Acq: 22 Feb 2024 20:13

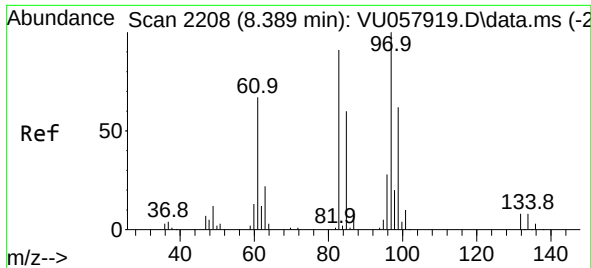
Tgt Ion: 75 Resp: 168156

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4

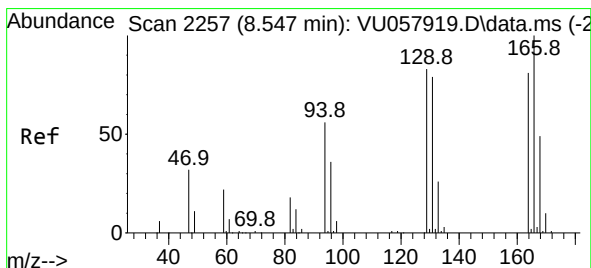
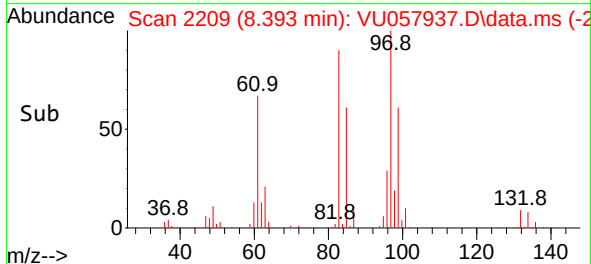
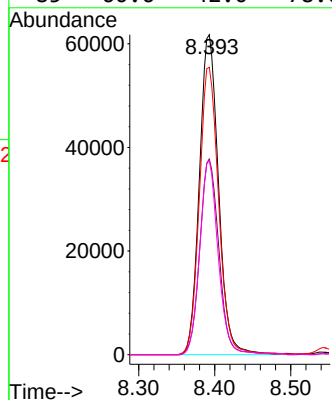
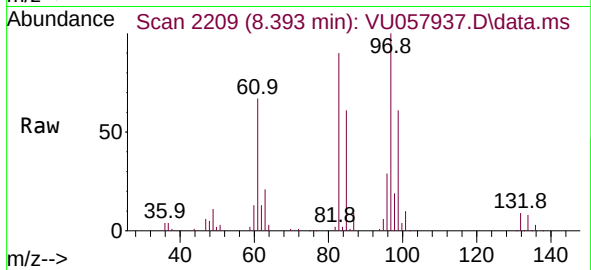




#45
1,1,2-Trichloroethane
Concen: 45.808 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

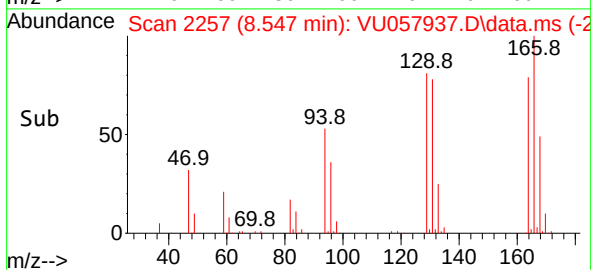
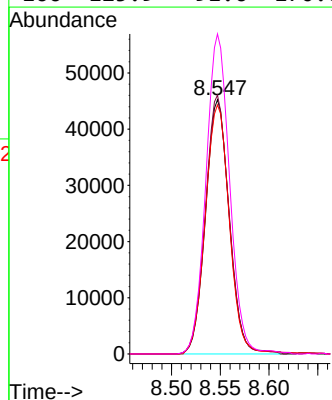
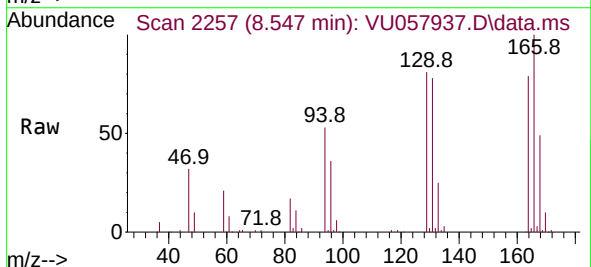
Instrument :
MSVOA_U
ClientSampleId :

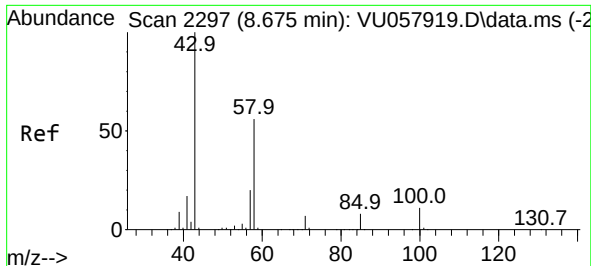
Tgt Ion: 97 Resp: 107873
Ion Ratio Lower Upper
97 100
99 61.1 43.0 80.0
83 89.8 65.0 120.6
85 60.6 42.0 78.0



#46
Tetrachloroethene
Concen: 46.135 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

Tgt Ion:164 Resp: 76657
Ion Ratio Lower Upper
164 100
129 101.8 74.1 137.7
131 98.0 72.0 133.6
166 125.9 91.6 170.0



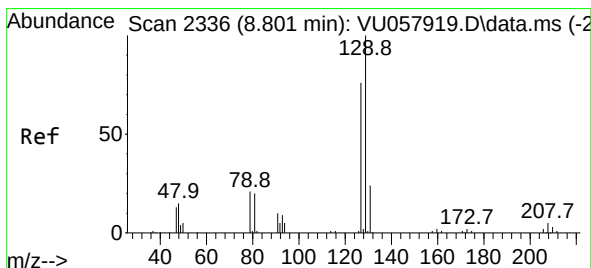
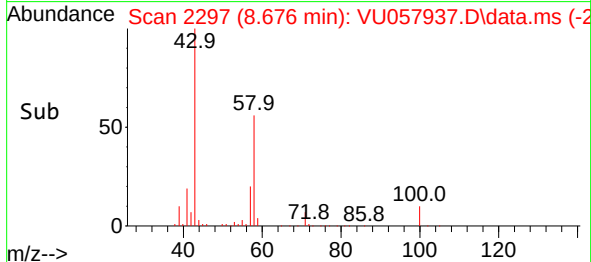
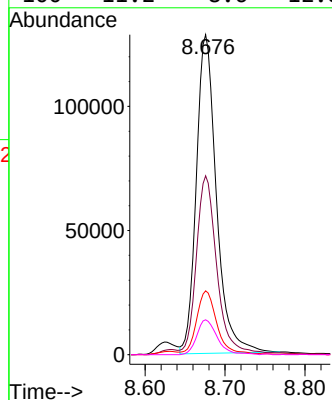
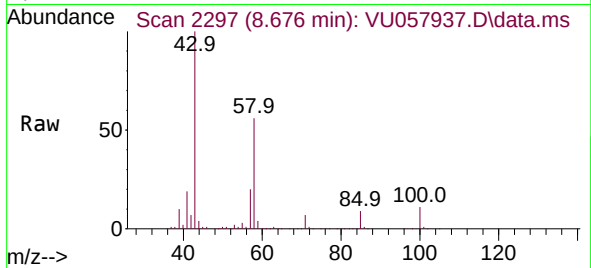


#48
2-Hexanone
Concen: 82.554 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 224799

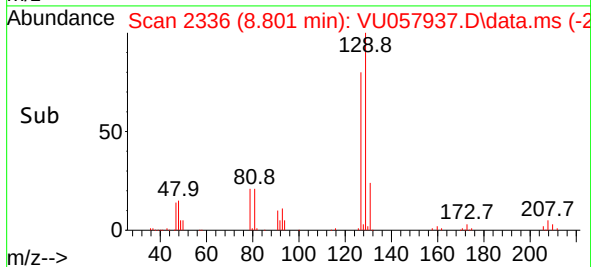
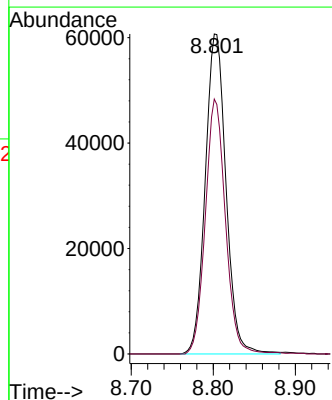
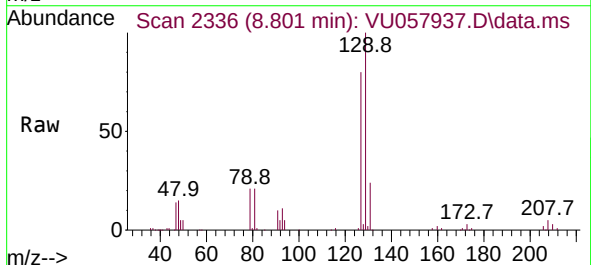
Ion	Ratio	Lower	Upper
43	100		
58	58.1	43.8	65.8
57	20.6	15.5	23.3
100	11.2	8.6	12.8

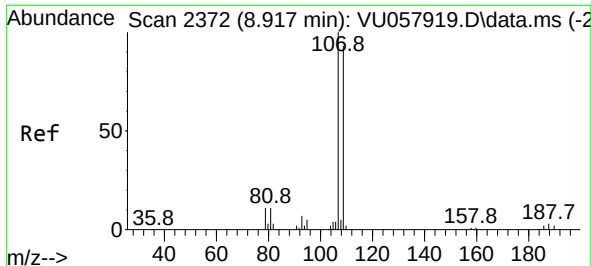


#49
Dibromochloromethane
Concen: 45.561 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

Tgt Ion: 129 Resp: 106850

Ion	Ratio	Lower	Upper
129	100		
127	79.6	53.3	99.1

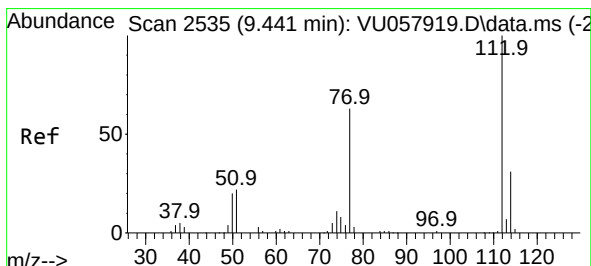
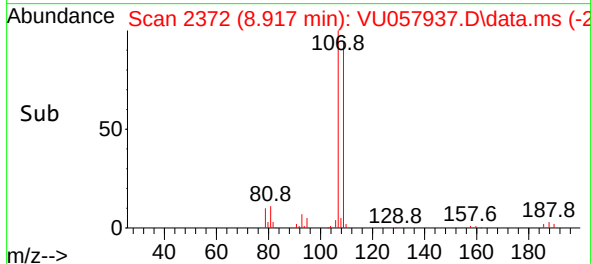
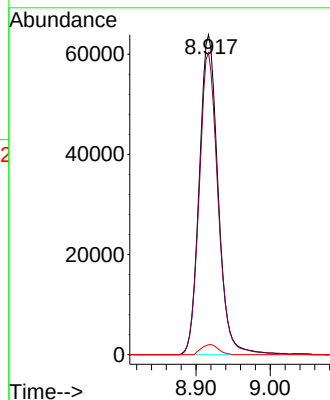
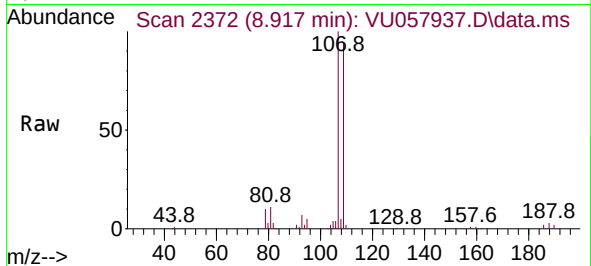




#50
1,2-Dibromoethane
Concen: 45.307 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

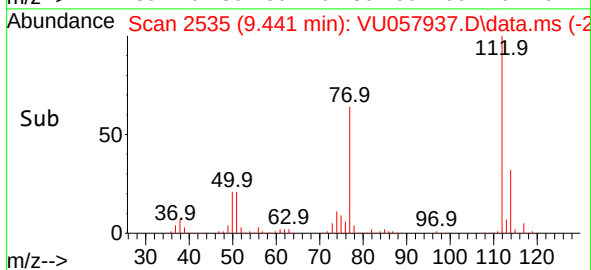
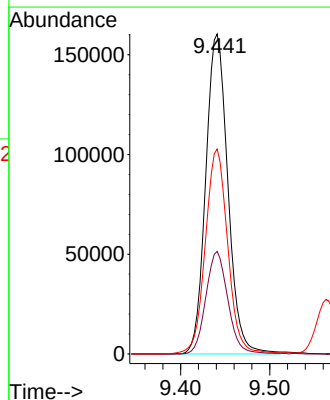
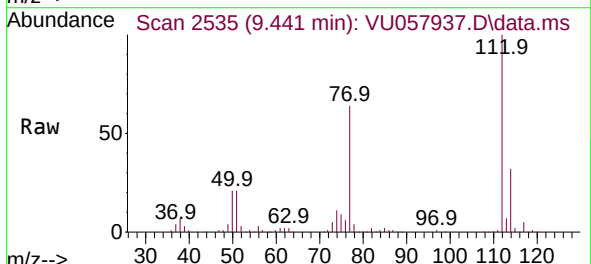
Instrument :
MSVOA_U
ClientSampleId :

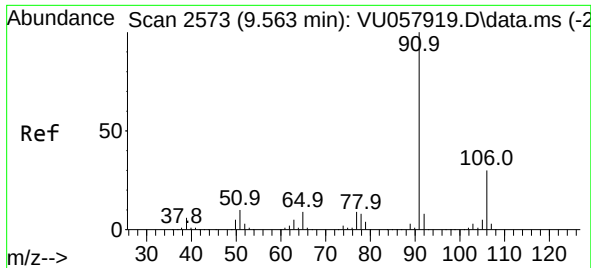
Tgt Ion:107 Resp: 112340
Ion Ratio Lower Upper
107 100
109 94.3 66.1 122.8
188 3.1 2.6 3.8



#51
Chlorobenzene
Concen: 44.788 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

Tgt Ion:112 Resp: 276852
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.1
77 64.1 51.8 77.8

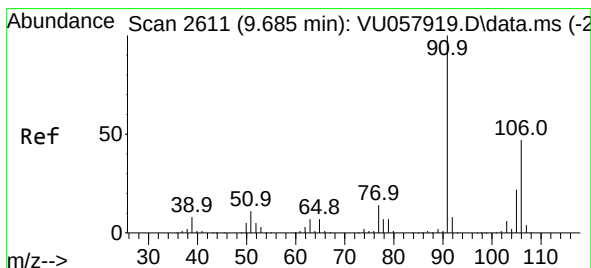
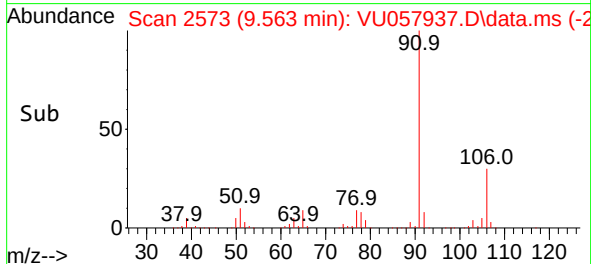
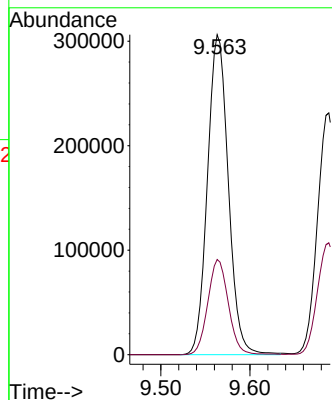
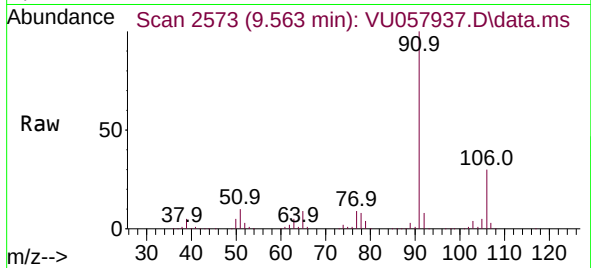




#52
Ethylbenzene
Concen: 45.672 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

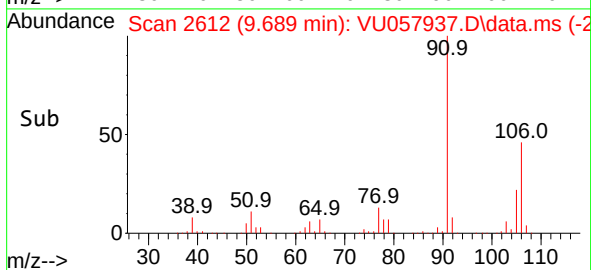
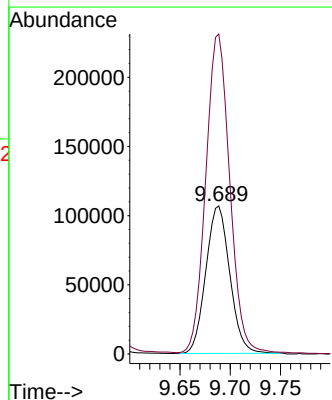
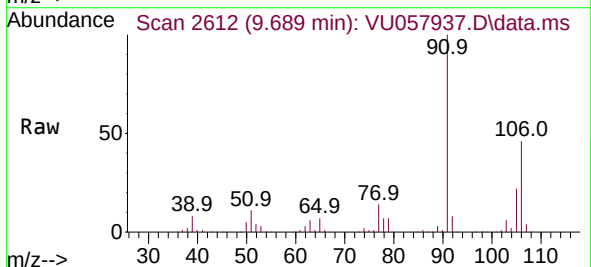
Instrument :
MSVOA_U
ClientSampleId :

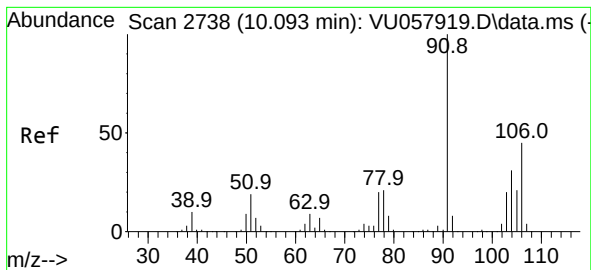
Tgt Ion: 91 Resp: 497811
Ion Ratio Lower Upper
91 100
106 32.3 21.1 39.1



#53
m,p-Xylene
Concen: 44.659 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

Tgt Ion:106 Resp: 177025
Ion Ratio Lower Upper
106 100
91 216.1 150.2 279.0





#54

o-Xylene

Concen: 45.359 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

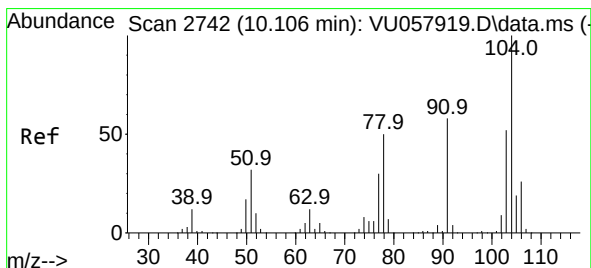
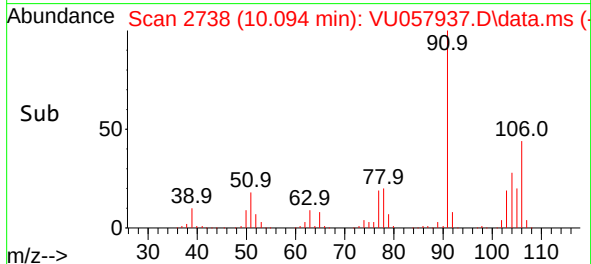
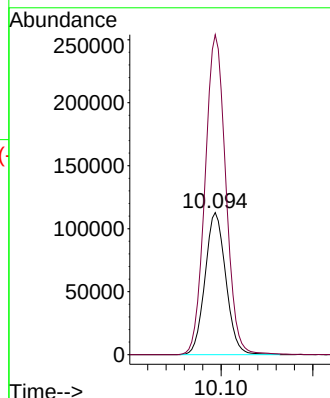
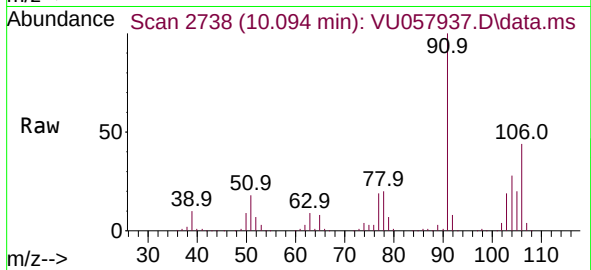
ClientSampleId :

Tgt Ion:106 Resp: 177652

Ion Ratio Lower Upper

106 100

91 225.3 161.3 299.5



#55

Styrene

Concen: 44.821 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU057937.D

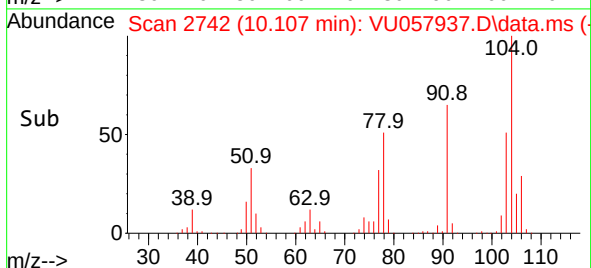
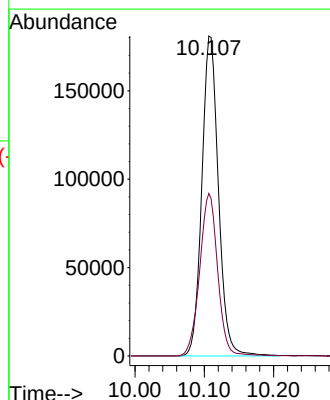
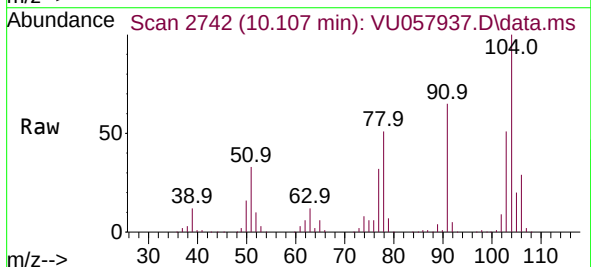
Acq: 22 Feb 2024 20:13

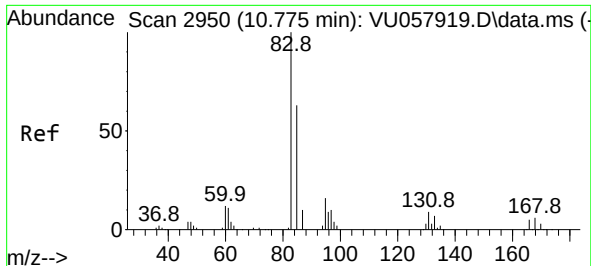
Tgt Ion:104 Resp: 301030

Ion Ratio Lower Upper

104 100

78 50.8 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 42.471 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

ClientSampleId :

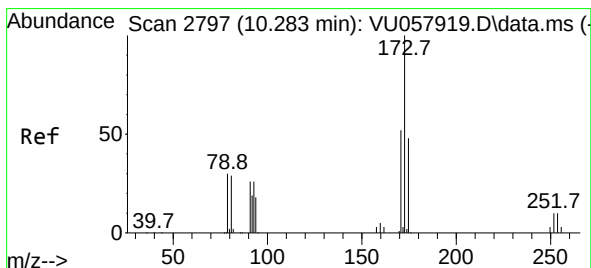
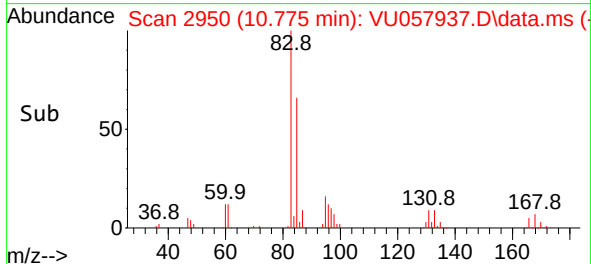
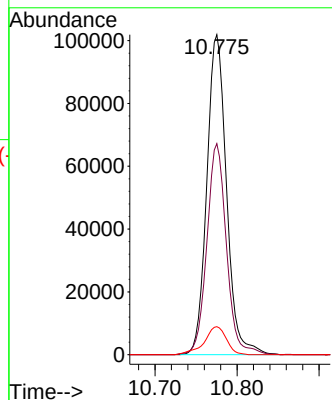
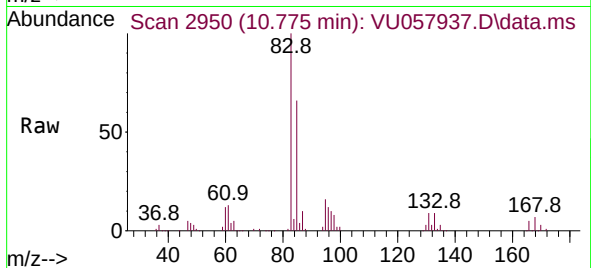
Tgt Ion: 83 Resp: 170379

Ion Ratio Lower Upper

83 100

85 66.0 45.2 84.0

131 8.7 7.8 11.6



#59

Bromoform

Concen: 46.652 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

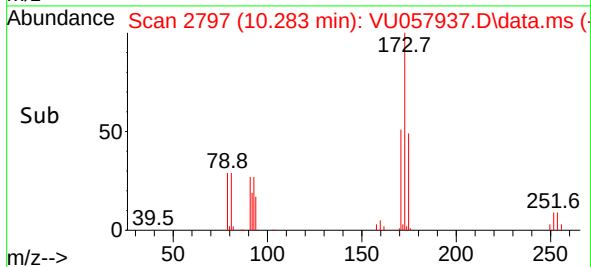
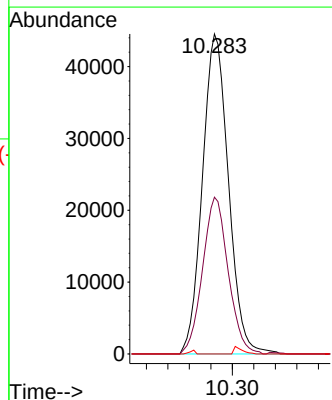
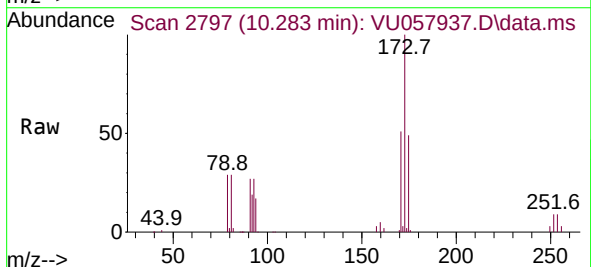
Tgt Ion:173 Resp: 74778

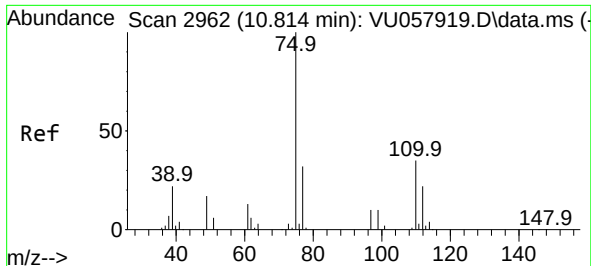
Ion Ratio Lower Upper

173 100

175 48.2 38.8 58.2

254 0.2 1.0 1.6#

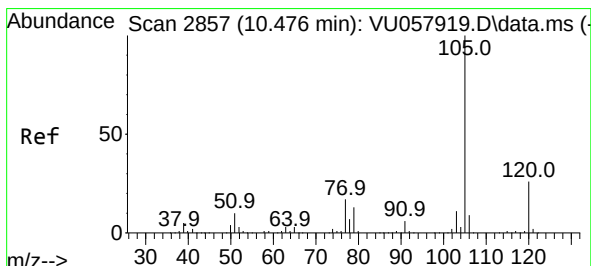
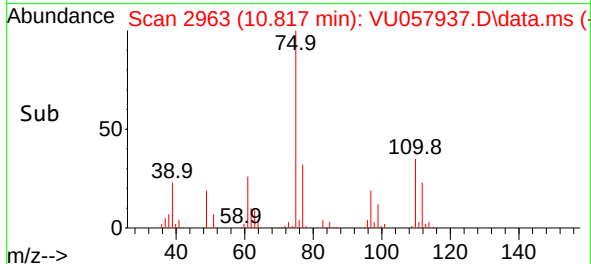
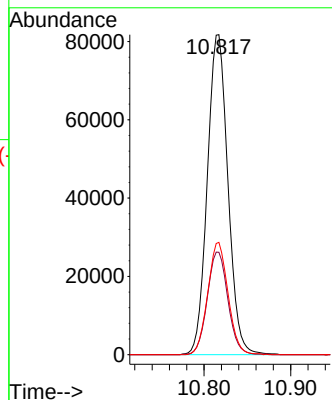
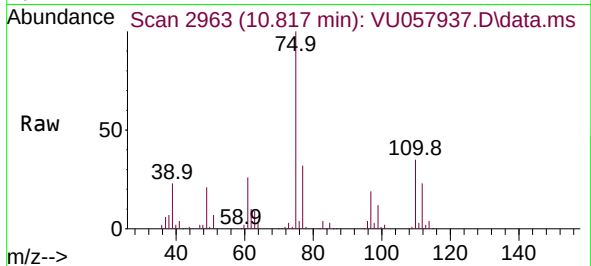




#60
1,2,3-Trichloropropane
Concen: 44.774 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

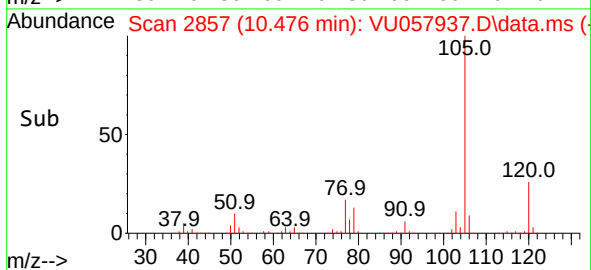
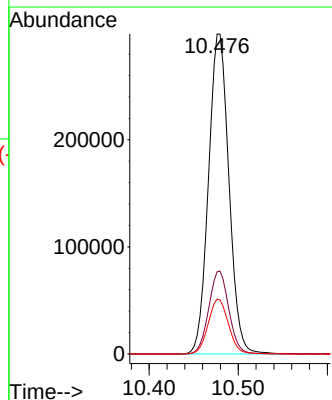
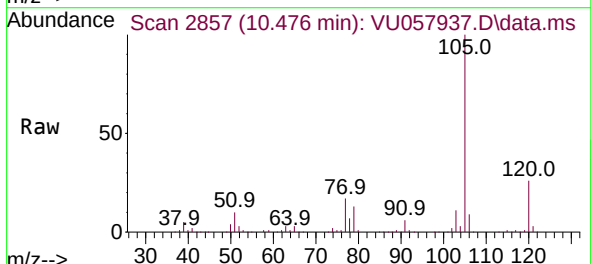
Instrument :
MSVOA_U
ClientSampleId :

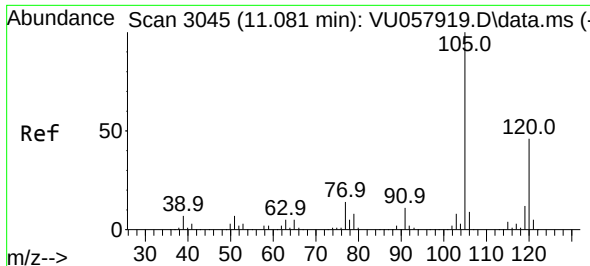
Tgt Ion: 75 Resp: 135451
Ion Ratio Lower Upper
75 100
77 32.1 25.9 38.9
110 34.5 28.3 42.5



#61
Isopropylbenzene
Concen: 46.520 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU057937.D
Acq: 22 Feb 2024 20:13

Tgt Ion: 105 Resp: 474714
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 17.0 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 44.677 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

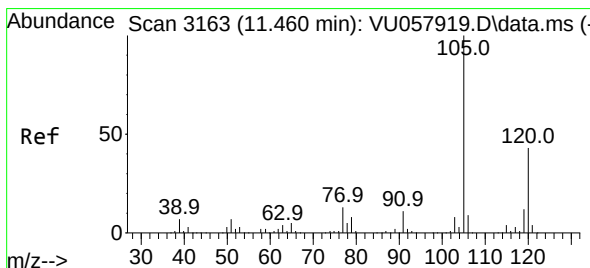
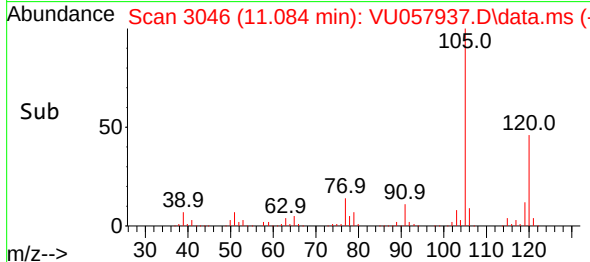
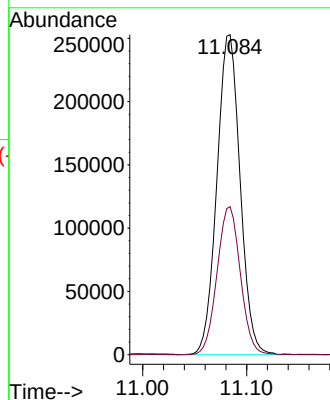
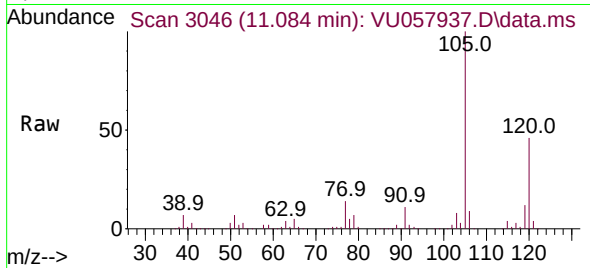
ClientSampleId :

Tgt Ion:105 Resp: 392787

Ion Ratio Lower Upper

105 100

120 46.4 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 44.170 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU057937.D

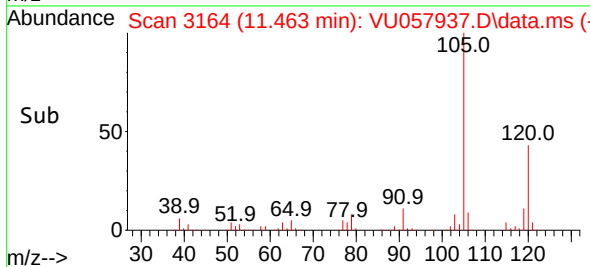
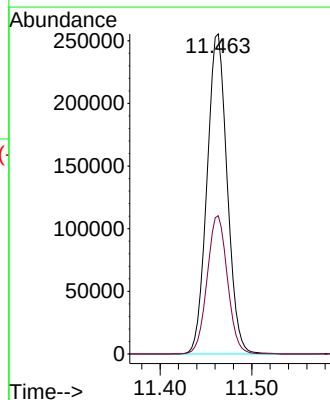
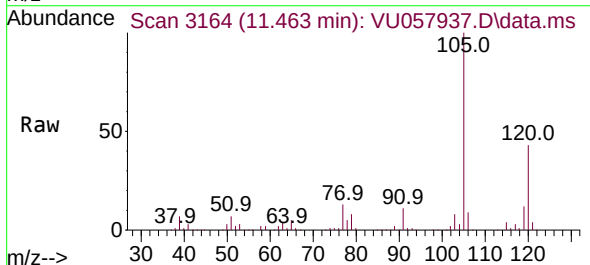
Acq: 22 Feb 2024 20:13

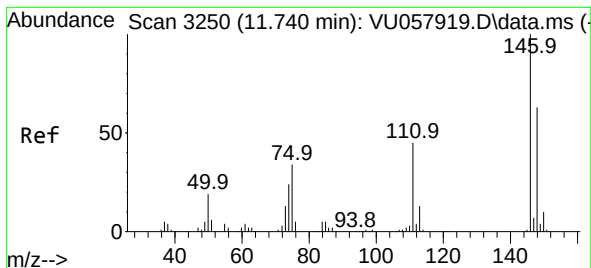
Tgt Ion:105 Resp: 390205

Ion Ratio Lower Upper

105 100

120 43.5 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 44.439 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

ClientSampleId :

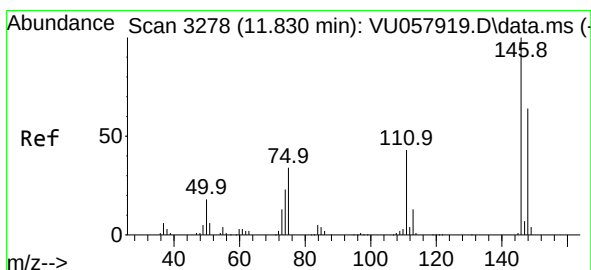
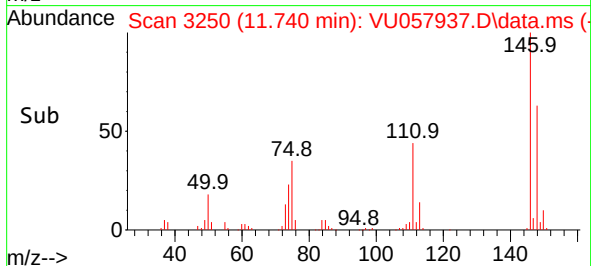
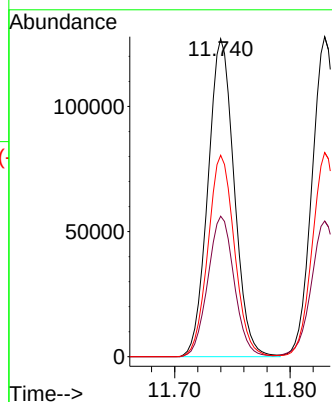
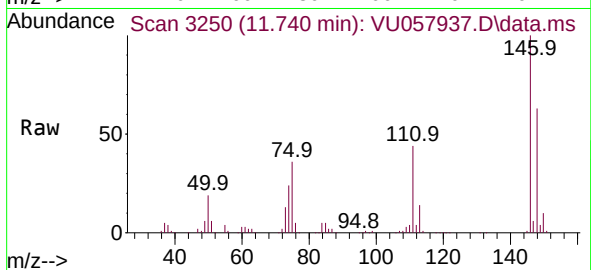
Tgt Ion:146 Resp: 200509

Ion Ratio Lower Upper

146 100

111 41.7 31.6 58.6

148 59.8 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 44.129 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

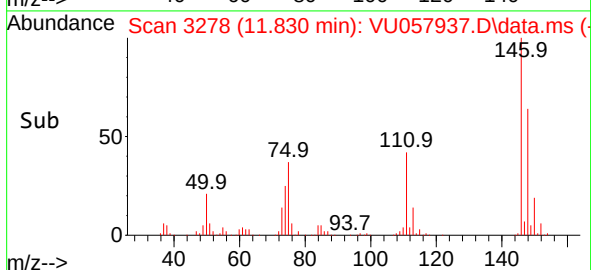
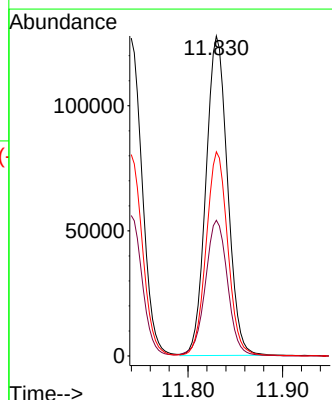
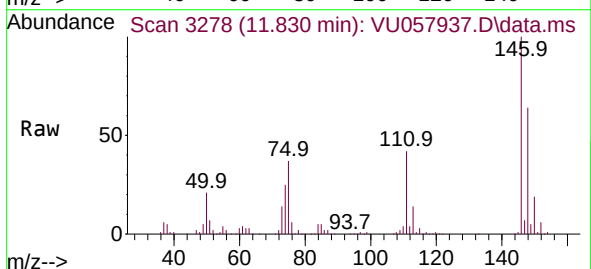
Tgt Ion:146 Resp: 202831

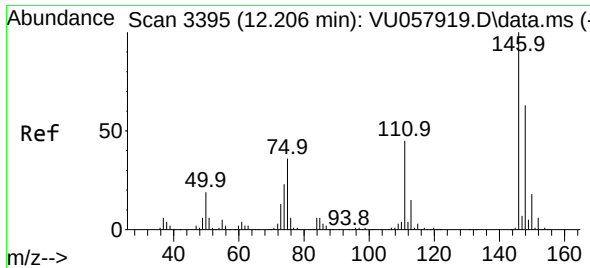
Ion Ratio Lower Upper

146 100

111 42.4 29.9 55.5

148 68.5 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 43.901 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

ClientSampleId :

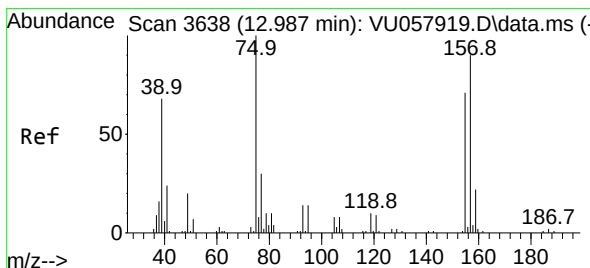
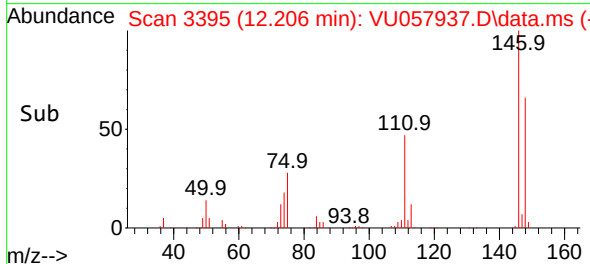
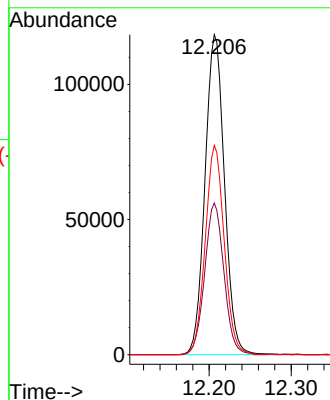
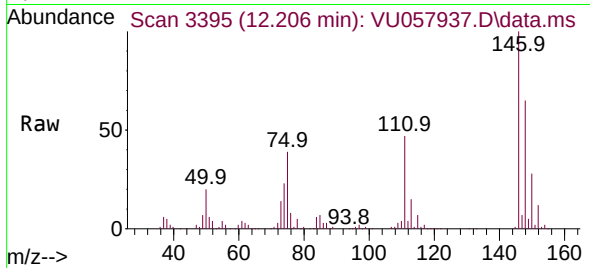
Tgt Ion:146 Resp: 194872

Ion Ratio Lower Upper

146 100

111 47.4 37.3 55.9

148 65.4 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 44.293 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

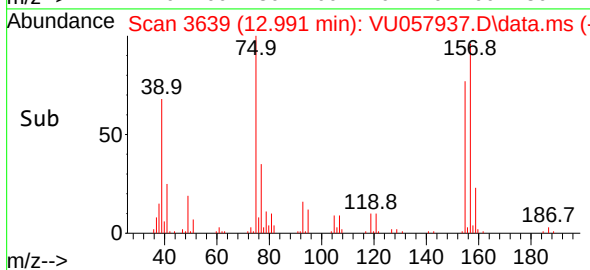
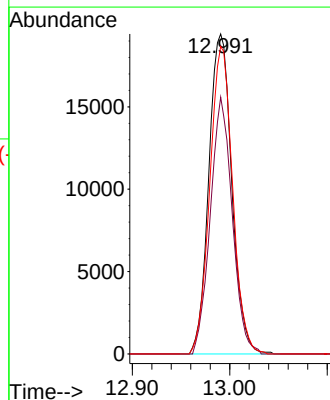
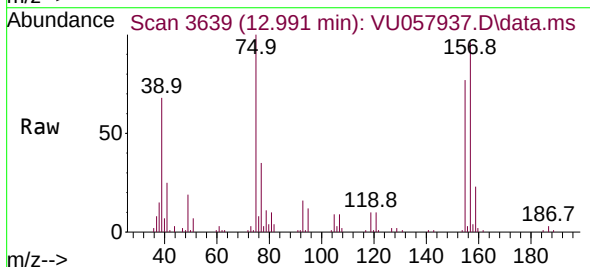
Tgt Ion: 75 Resp: 31814

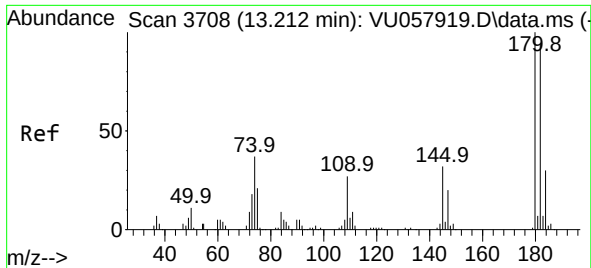
Ion Ratio Lower Upper

75 100

155 80.3 63.2 94.8

157 100.2 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 43.747 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

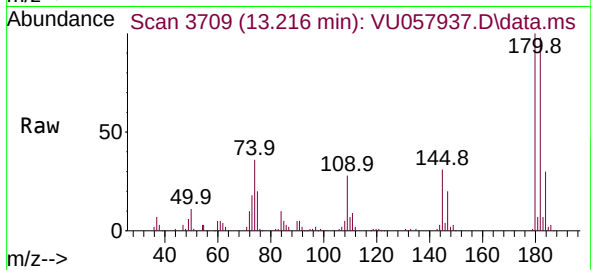
Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 132758

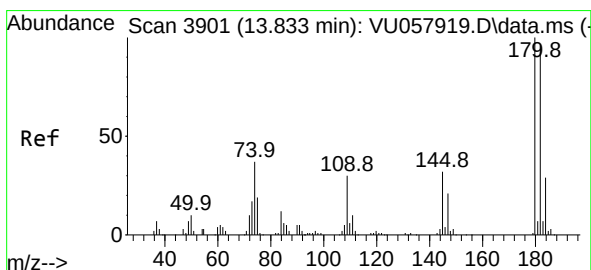
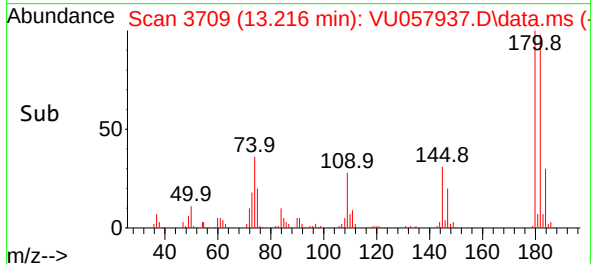
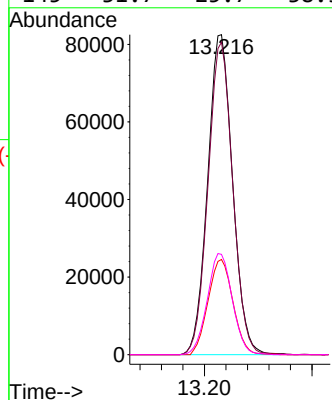
Ion Ratio Lower Upper

180 100

182 96.6 77.6 116.4

184 29.7 24.1 36.1

145 31.7 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 47.012 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

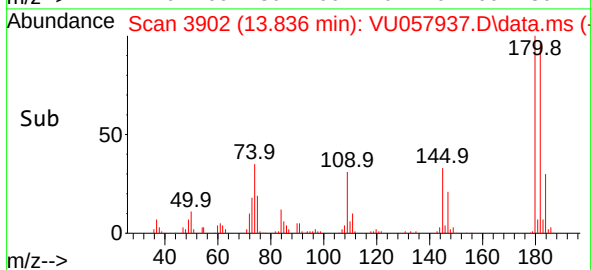
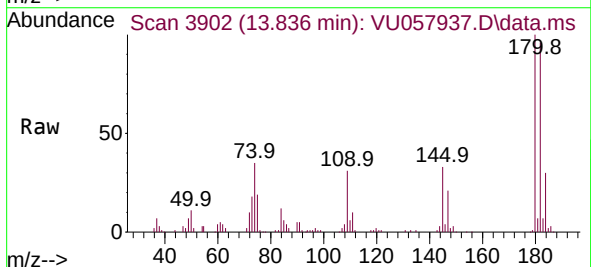
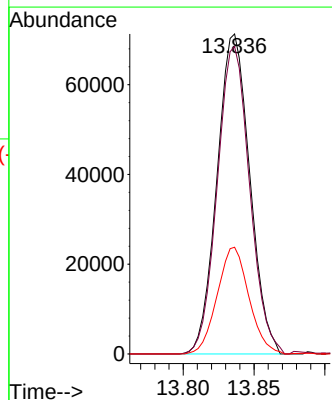
Tgt Ion:180 Resp: 114866

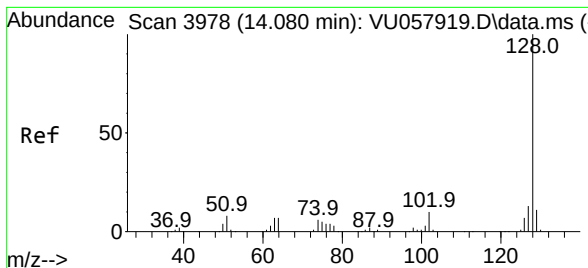
Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.6

145 32.3 25.9 38.9





#71

Naphthalene

Concen: 47.002 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Instrument :

MSVOA_U

ClientSampleId :

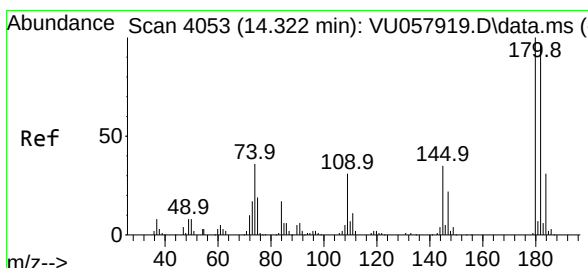
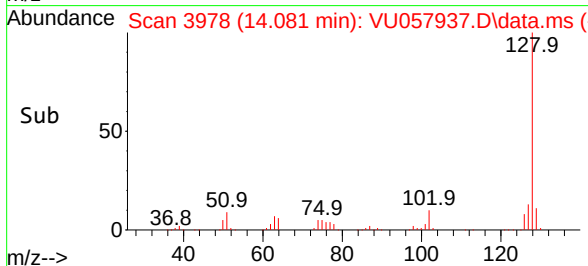
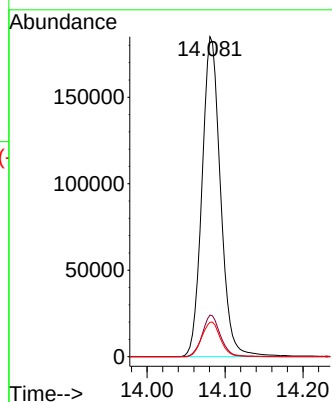
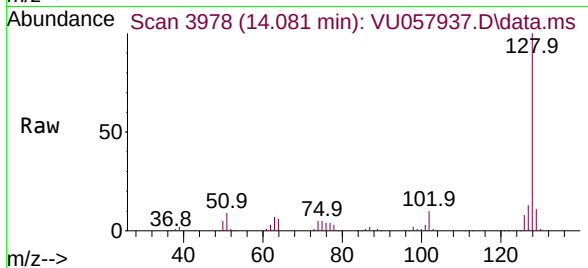
Tgt Ion:128 Resp: 304969

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 46.658 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU057937.D

Acq: 22 Feb 2024 20:13

Tgt Ion:180 Resp: 104710

Ion Ratio Lower Upper

180 100

182 96.0 75.4 113.2

145 34.9 27.8 41.8

