

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057404.D
 Acq On : 08 Jan 2024 23:57
 Operator : MD/SY
 Sample : 05787-05MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 05:08:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 00:42:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	268064	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	262739	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	128141	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	79384	43.027	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.060%
7) Chloroethane-d5	1.914	69	61222	42.879	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.760%
11) 1,1-Dichloroethene-d2	2.560	63	172539	44.121	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.240%
21) 2-Butanone-d5	4.631	46	86402	96.646	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.650%
24) Chloroform-d	5.055	84	195630	44.839	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.680%
26) 1,2-Dichloroethane-d4	5.692	65	131939	45.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.560%
32) Benzene-d6	5.718	84	335842	47.618	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.240%
36) 1,2-Dichloropropane-d6	6.682	67	93538	46.990	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.980%
41) Toluene-d8	7.891	98	313463	47.428	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.860%
43) trans-1,3-Dichloroprop...	8.174	79	55139	46.408	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.820%
47) 2-Hexanone-d5	8.644	63	67105	103.122	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.120%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	139377	46.853	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.700%
66) 1,2-Dichlorobenzene-d4	12.187	152	117380	46.835	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	143351	46.875	ug/L	99
3) Chloromethane	1.518	50	91451	47.657	ug/L	100
5) Vinyl chloride	1.605	62	98058	47.732	ug/L	99
6) Bromomethane	1.856	94	60089	44.193	ug/L	99
8) Chloroethane	1.933	64	56926	47.374	ug/L	95
9) Trichlorofluoromethane	2.129	101	203797	47.545	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	96916	47.081	ug/L	99
12) 1,1-Dichloroethene	2.573	96	87276	48.050	ug/L	95
13) Acetone	2.647	43	73283	67.312	ug/L	95
14) Carbon disulfide	2.785	76	263068	46.761	ug/L	99
15) Methyl Acetate	2.949	43	60040	42.274	ug/L	100
16) Methylene chloride	3.039	84	96615	46.783	ug/L	96
17) trans-1,2-Dichloroethene	3.345	96	88998	47.895	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	298593	50.202	ug/L	99
19) 1,1-Dichloroethane	3.859	63	163678	47.579	ug/L	97
20) cis-1,2-Dichloroethene	4.657	96	101499	51.063	ug/L	99
22) 2-Butanone	4.711	43	92633	86.353	ug/L	97
23) Bromochloromethane	4.965	128	53899	47.238	ug/L	98
25) Chloroform	5.078	83	198396	47.520	ug/L	100

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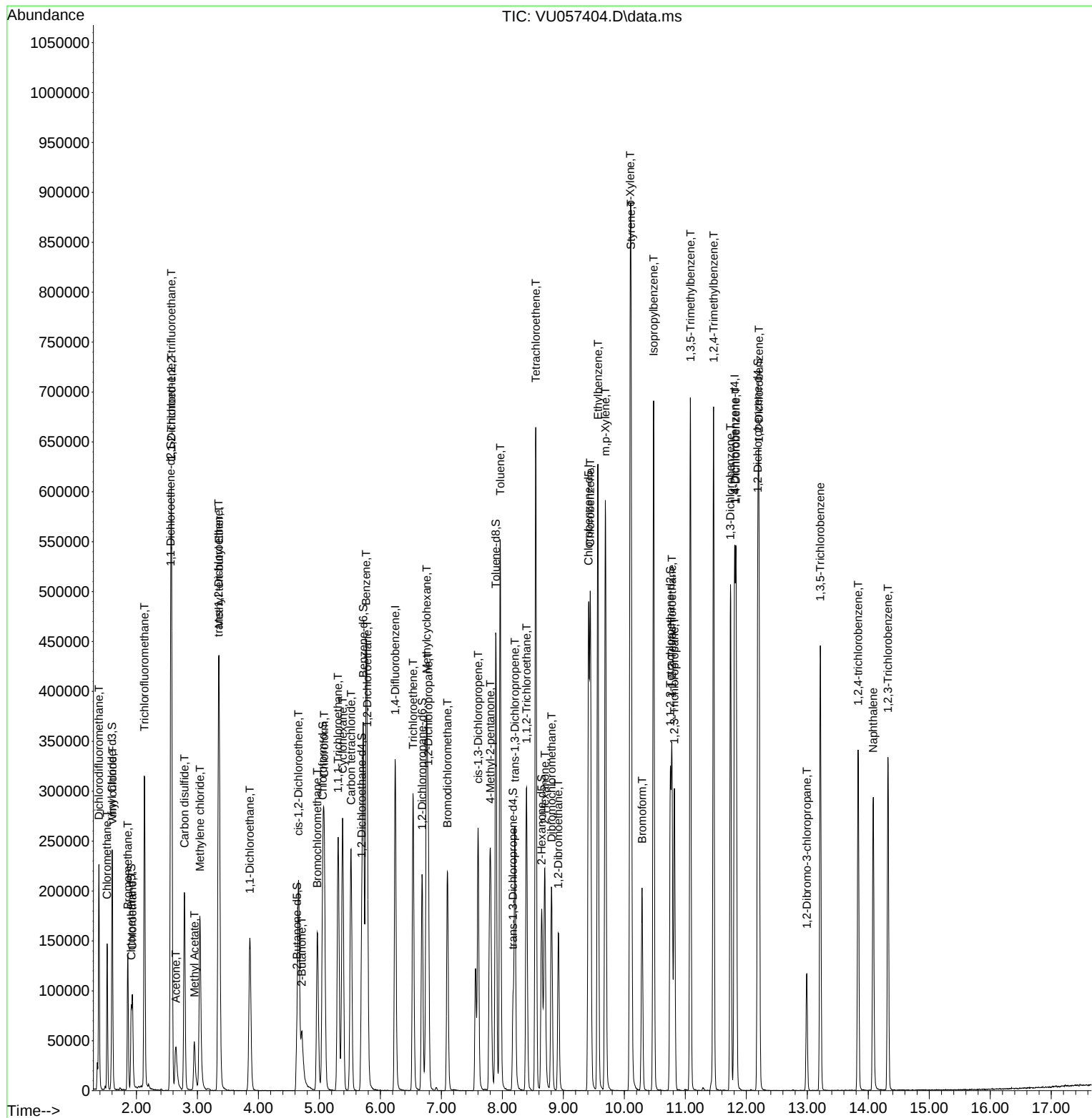
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	171179	48.675	ug/L	100
29) Cyclohexane	5.380	56	126302	50.810	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	194323	48.071	ug/L	100
31) Carbon tetrachloride	5.518	117	175461	48.938	ug/L	100
33) Benzene	5.766	78	369007	49.976	ug/L	100
34) Trichloroethene	6.534	95	104115	48.297	ug/L	98
35) Methylcyclohexane	6.756	83	142639	48.634	ug/L	99
37) 1,2-Dichloropropane	6.785	63	90369	49.597	ug/L	99
38) Bromodichloromethane	7.100	83	151244	49.000	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	153668	48.163	ug/L	99
40) 4-Methyl-2-pentanone	7.801	43	200764	108.139	ug/L	98
42) Toluene	7.965	91	404385	50.932	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	159517	49.799	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	98902	49.331	ug/L	98
46) Tetrachloroethene	8.547	164	141710	86.902	ug/L	97
48) 2-Hexanone	8.695	43	151795	101.628	ug/L	97
49) Dibromochloromethane	8.804	129	118354	48.441	ug/L	98
50) 1,2-Dibromoethane	8.917	107	109473	51.478	ug/L	98
51) Chlorobenzene	9.441	112	262645	49.232	ug/L	98
52) Ethylbenzene	9.566	91	448186	50.692	ug/L	98
53) m,p-Xylene	9.689	106	166928	50.507	ug/L	100
54) o-Xylene	10.097	106	161969	50.182	ug/L	96
55) Styrene	10.110	104	283723	51.910	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	149862	49.573	ug/L	96
59) Bromoform	10.290	173	91894	49.459	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	125258	51.606	ug/L	99
61) Isopropylbenzene	10.480	105	445002	53.028	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	382158	53.249	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	369824	52.493	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	196074	49.578	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	192997	47.540	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	196554	49.308	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	32559	50.237	ug/L	92
69) 1,3,5-Trichlorobenzene	13.213	180	132522	46.812	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	101322	47.010	ug/L	98
71) Naphthalene	14.081	128	238455	47.349	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	98644	48.395	ug/L	98

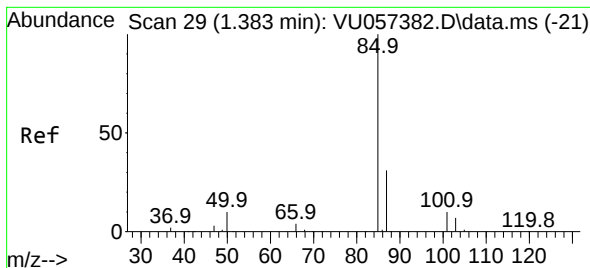
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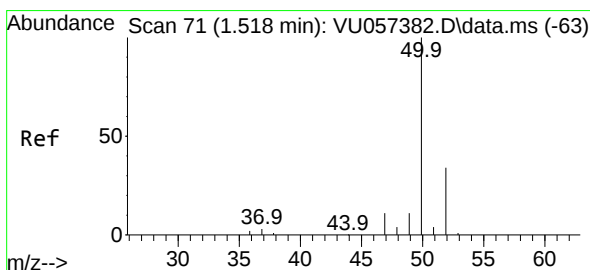
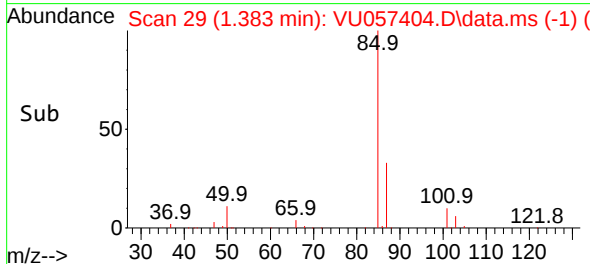
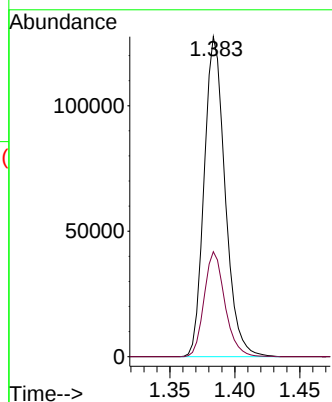
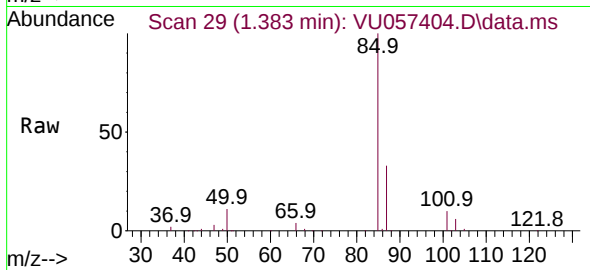




#2
 Dichlorodifluoromethane
 Concen: 46.875 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057404.D
 Acq: 08 Jan 2024 23:57

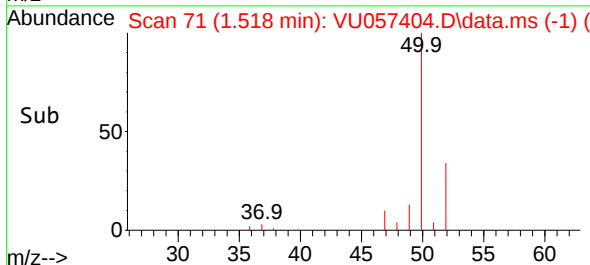
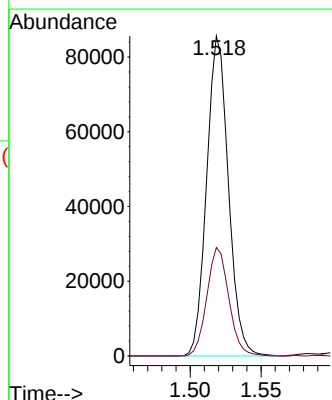
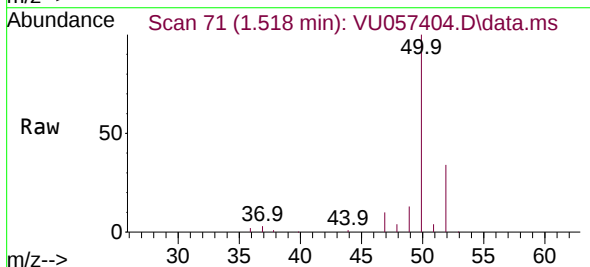
Instrument :
 MSVOA_U
 ClientSampleId :

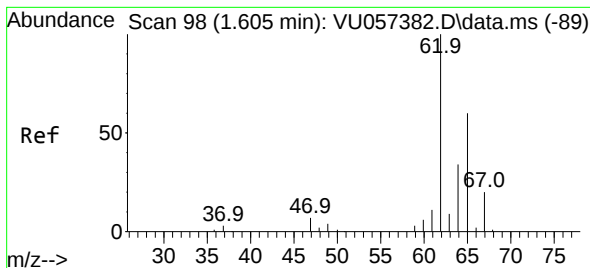
Tgt Ion: 85 Resp: 143351
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.8 38.6



#3
 Chloromethane
 Concen: 47.657 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057404.D
 Acq: 08 Jan 2024 23:57

Tgt Ion: 50 Resp: 91451
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.7 43.9





#5

Vinyl chloride

Concen: 47.732 ug/L

RT: 1.605 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

Instrument :

MSVOA_U

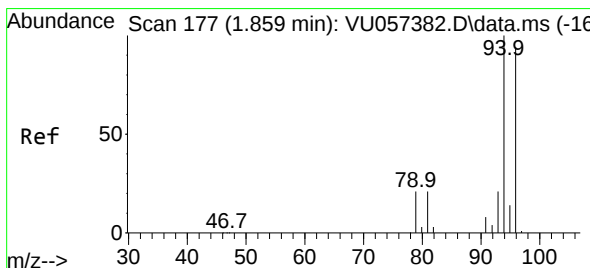
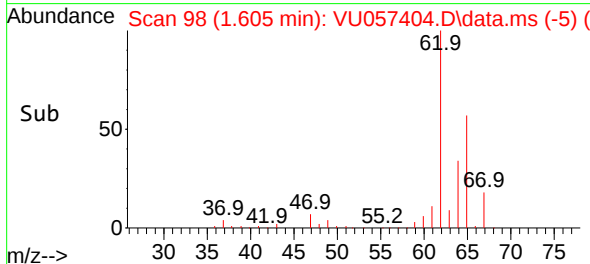
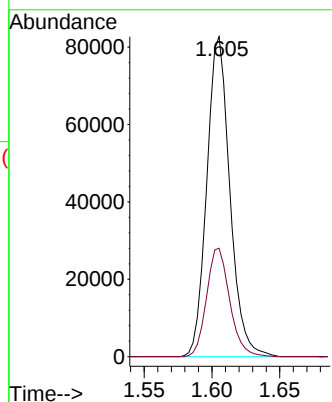
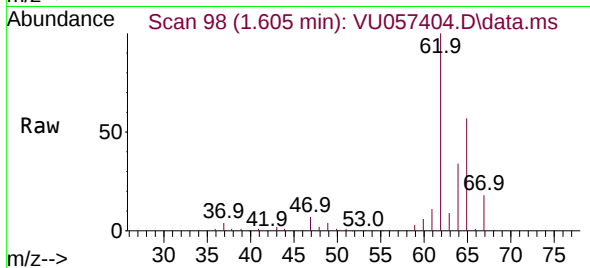
ClientSampleId :

Tgt Ion: 62 Resp: 98058

Ion Ratio Lower Upper

62 100

64 33.9 23.3 43.3



#6

Bromomethane

Concen: 44.193 ug/L

RT: 1.856 min Scan# 176

Delta R.T. -0.003 min

Lab File: VU057404.D

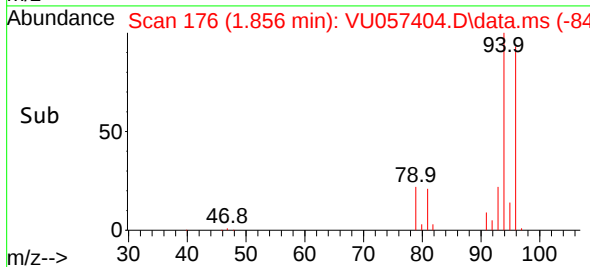
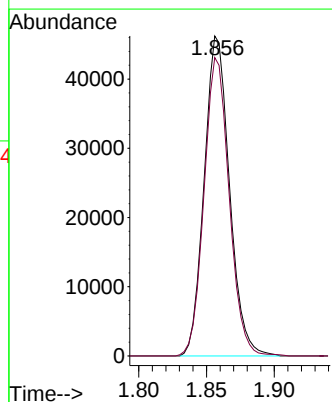
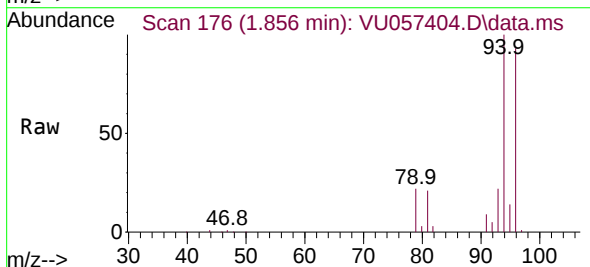
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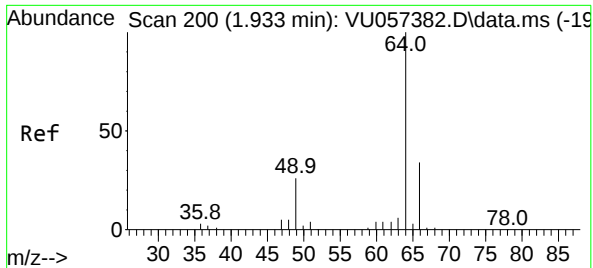
Tgt Ion: 94 Resp: 60089

Ion Ratio Lower Upper

94 100

96 93.3 65.9 122.5

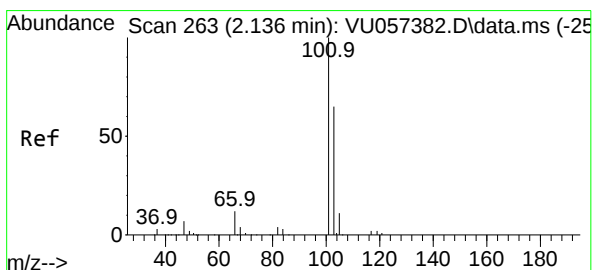
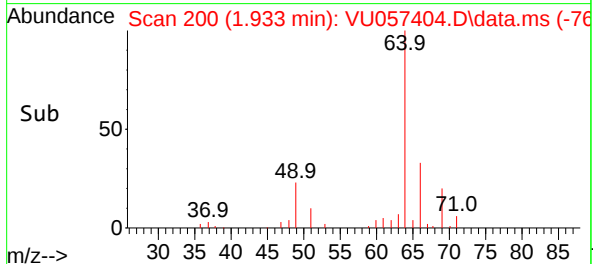
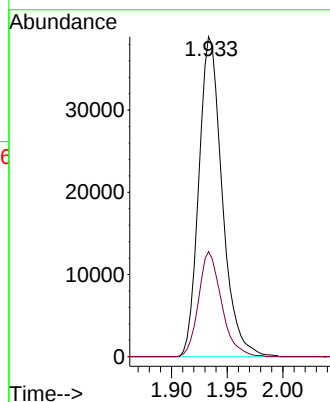
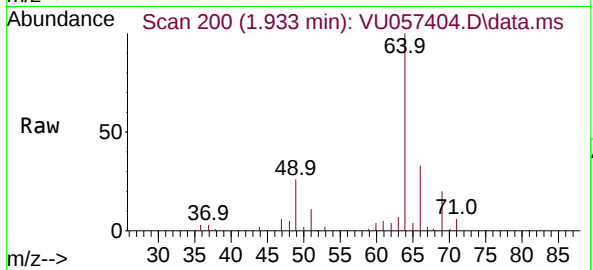




#8
Chloroethane
Concen: 47.374 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

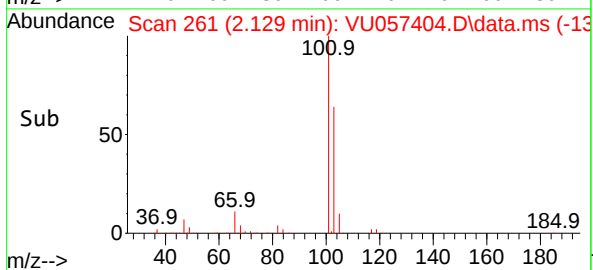
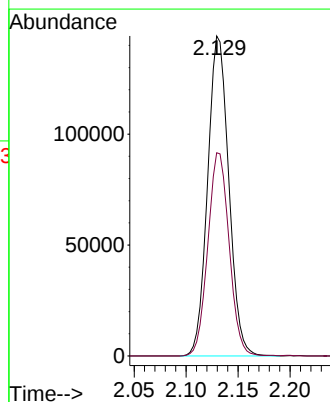
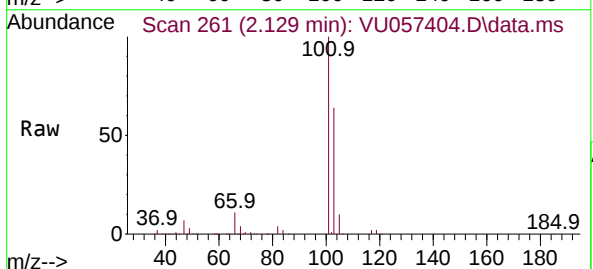
Instrument :
MSVOA_U
ClientSampleId :

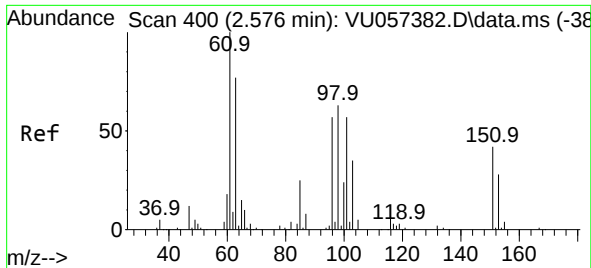
Tgt Ion: 64 Resp: 56926
Ion Ratio Lower Upper
64 100
66 32.9 20.9 38.9



#9
Trichlorofluoromethane
Concen: 47.545 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.007 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Tgt Ion: 101 Resp: 203797
Ion Ratio Lower Upper
101 100
103 63.9 53.4 80.0

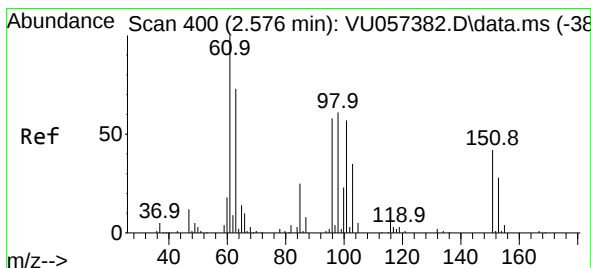
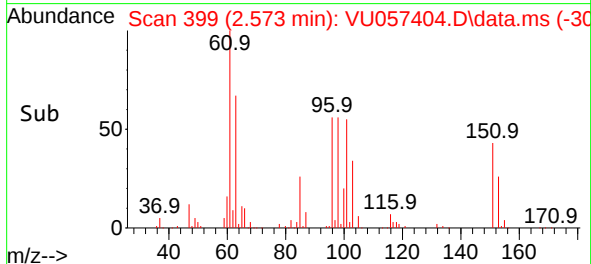
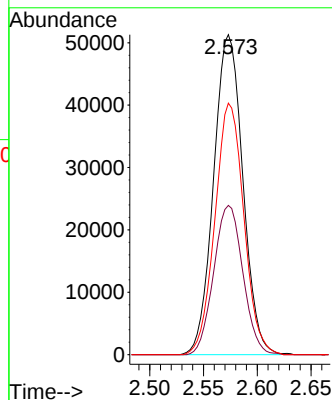
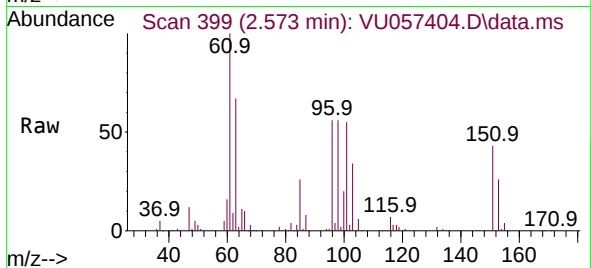




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.081 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU057404.D
 Acq: 08 Jan 2024 23:57

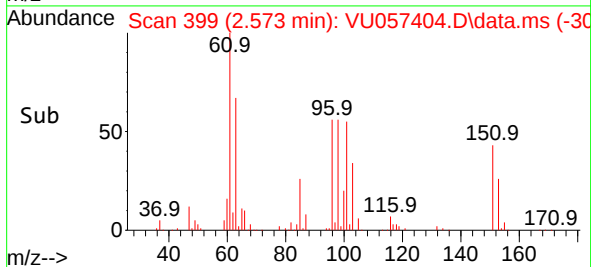
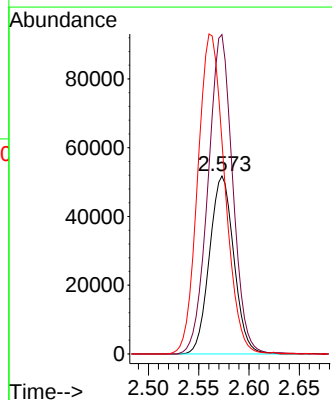
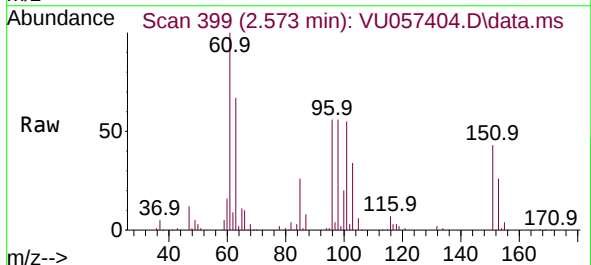
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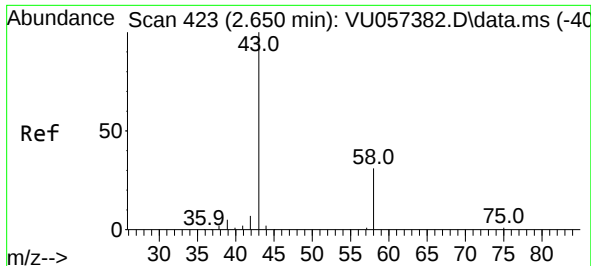
Tgt Ion:101 Resp: 96916
 Ion Ratio Lower Upper
 101 100
 85 46.5 37.0 55.4
 151 77.9 63.7 95.5



#12
 1,1-Dichloroethene
 Concen: 48.050 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU057404.D
 Acq: 08 Jan 2024 23:57

Tgt Ion: 96 Resp: 87276
 Ion Ratio Lower Upper
 96 100
 61 179.5 128.3 238.3
 63 119.5 90.4 168.0





#13

Acetone

Concen: 67.312 ug/L

RT: 2.647 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

Instrument :

MSVOA_U

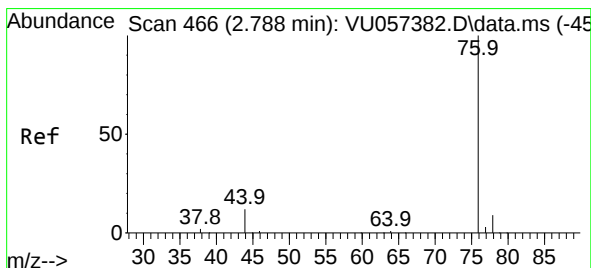
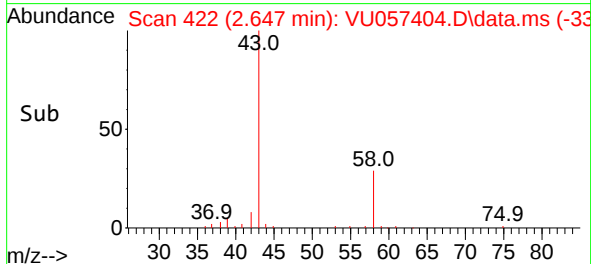
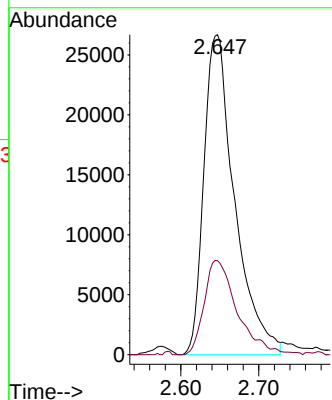
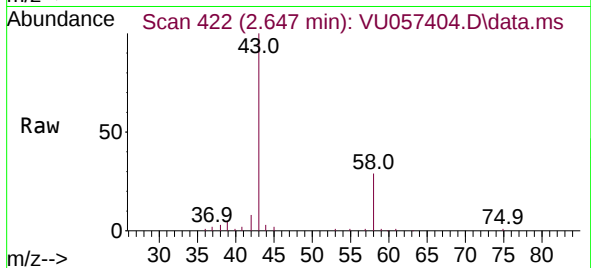
ClientSampleId :

Tgt Ion: 43 Resp: 73283

Ion Ratio Lower Upper

43 100

58 29.7 0.0 65.2



#14

Carbon disulfide

Concen: 46.761 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU057404.D

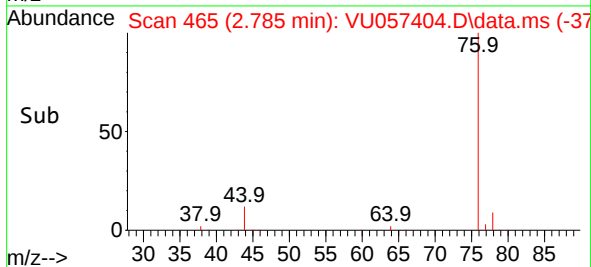
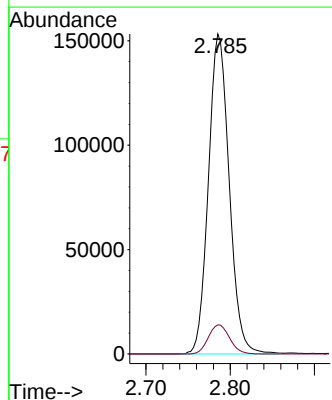
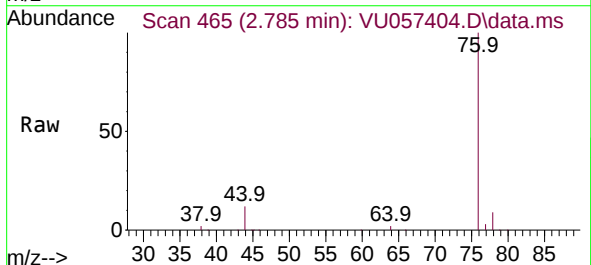
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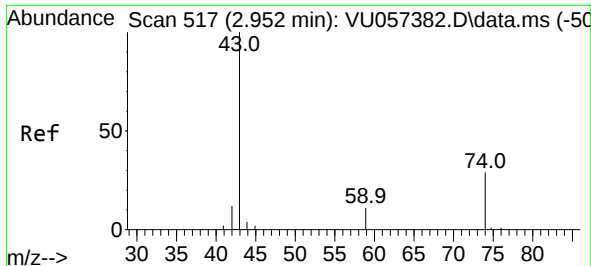
Tgt Ion: 76 Resp: 263068

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

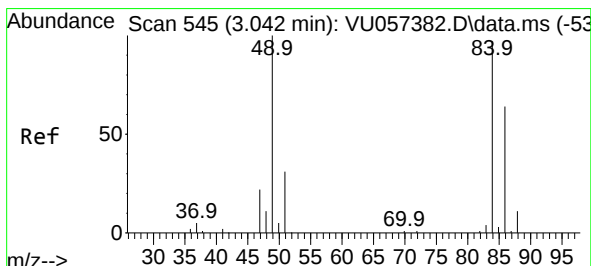
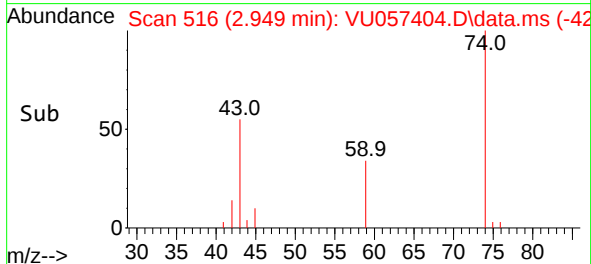
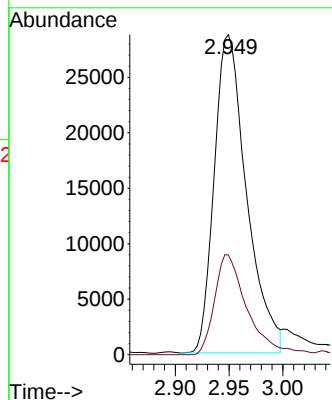
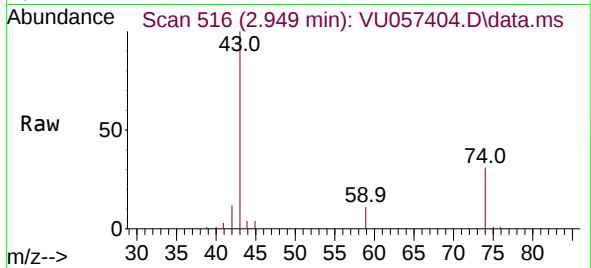




#15
Methyl Acetate
Concen: 42.274 ug/L
RT: 2.949 min Scan# 517
Delta R.T. -0.003 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

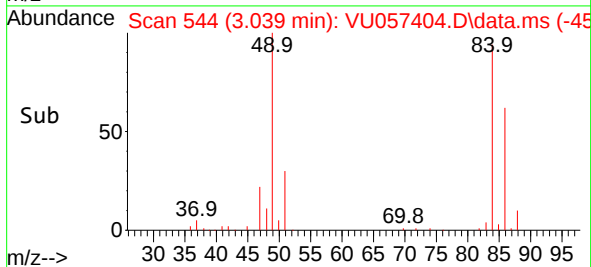
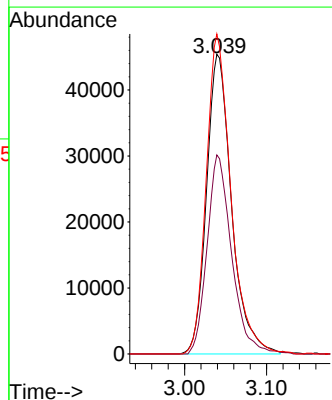
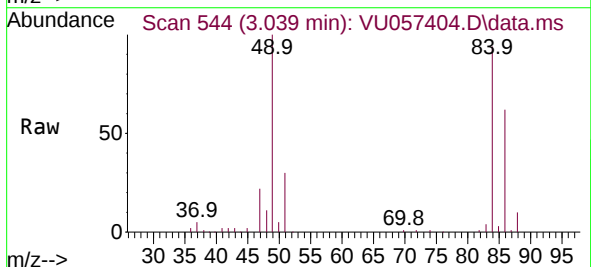
Instrument :
MSVOA_U
ClientSampleId :

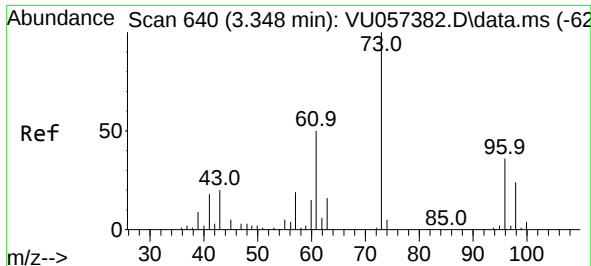
Tgt Ion: 43 Resp: 60040
Ion Ratio Lower Upper
43 100
74 30.6 24.6 36.8



#16
Methylene chloride
Concen: 46.783 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Tgt Ion: 84 Resp: 96615
Ion Ratio Lower Upper
84 100
86 66.4 44.3 82.3
49 106.8 72.2 134.2

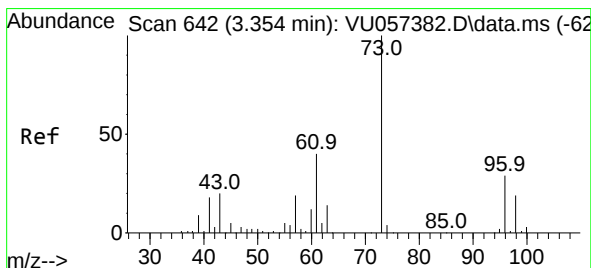
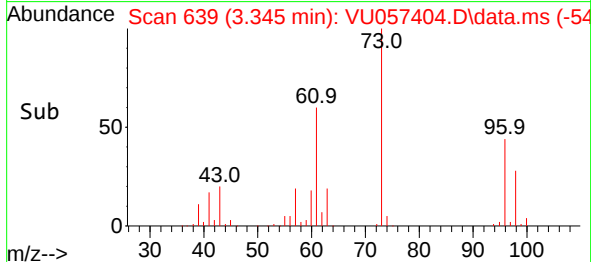
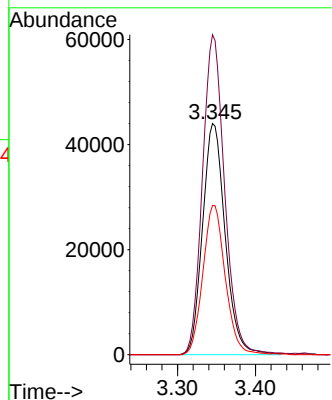
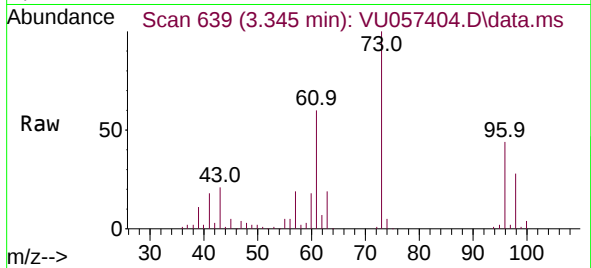




#17
trans-1,2-Dichloroethene
Concen: 47.895 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

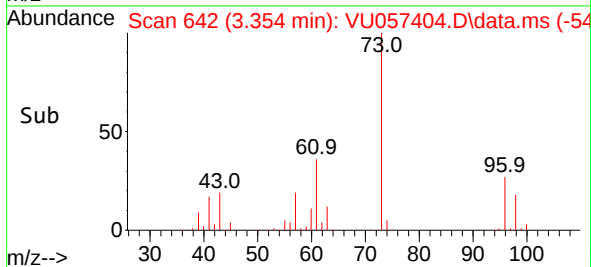
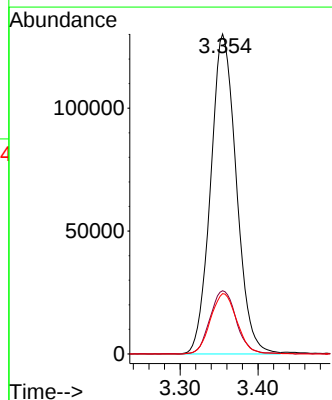
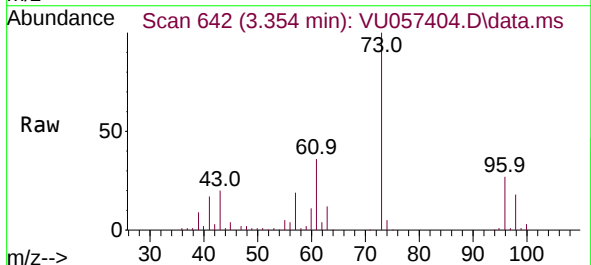
Instrument :
MSVOA_U
ClientSampleId :

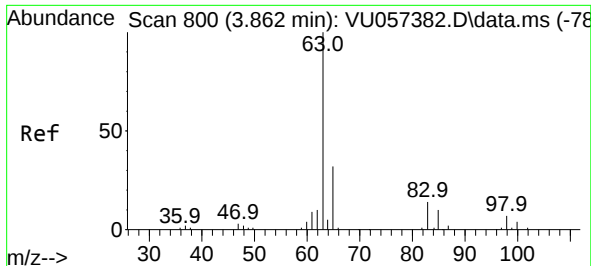
Tgt Ion: 96 Resp: 88998
Ion Ratio Lower Upper
96 100
61 138.4 93.9 174.5
98 64.6 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 50.202 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Tgt Ion: 73 Resp: 298593
Ion Ratio Lower Upper
73 100
43 20.2 16.3 24.5
57 19.4 15.0 22.6





#19

1,1-Dichloroethane

Concen: 47.579 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

Instrument :

MSVOA_U

ClientSampleId :

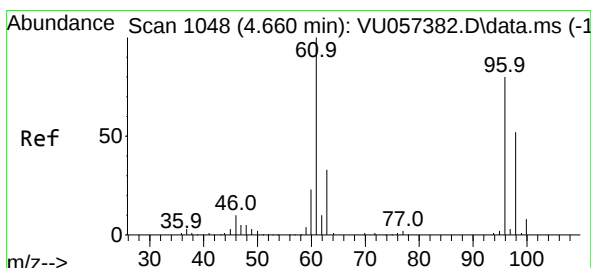
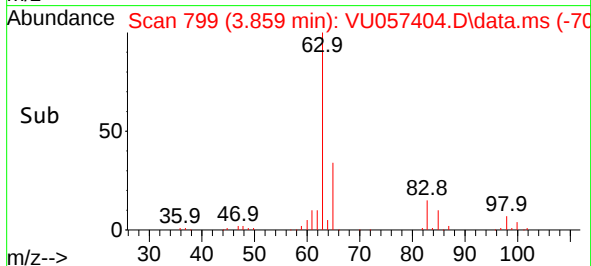
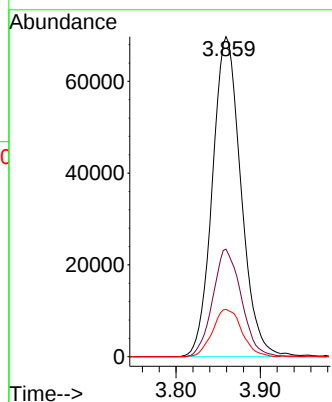
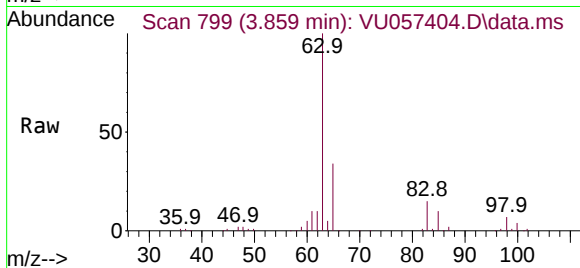
Tgt Ion: 63 Resp: 163678

Ion Ratio Lower Upper

63 100

65 33.6 22.4 41.6

83 14.8 11.3 21.1



#20

cis-1,2-Dichloroethene

Concen: 51.063 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

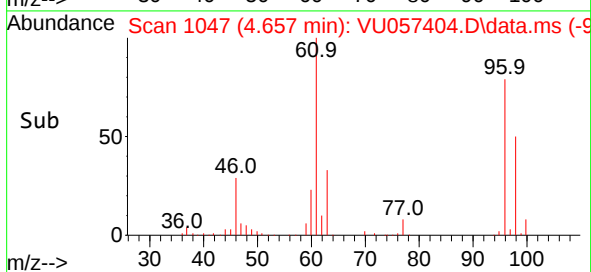
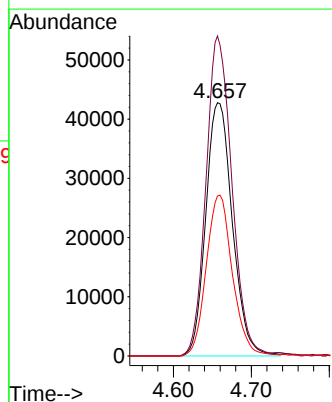
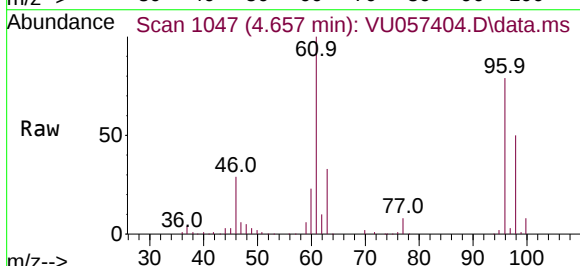
Tgt Ion: 96 Resp: 101499

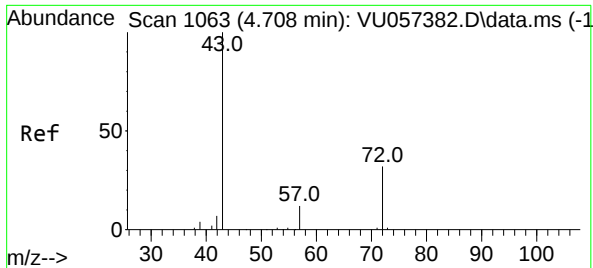
Ion Ratio Lower Upper

96 100

61 126.3 88.0 163.4

98 63.1 43.4 80.6

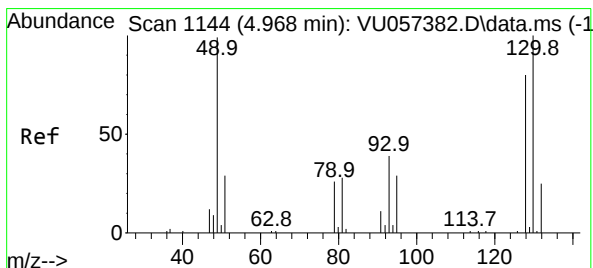
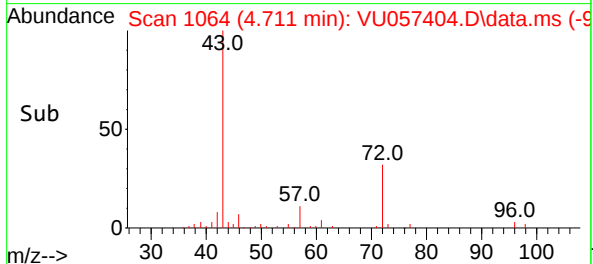
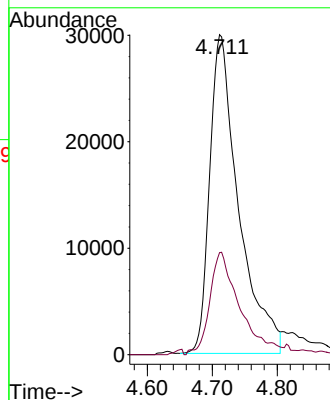
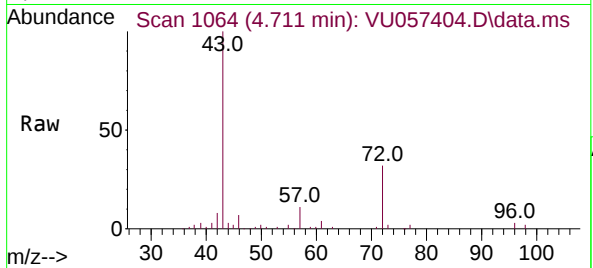




#22
2-Butanone
Concen: 86.353 ug/L
RT: 4.711 min Scan# 1064
Delta R.T. 0.003 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

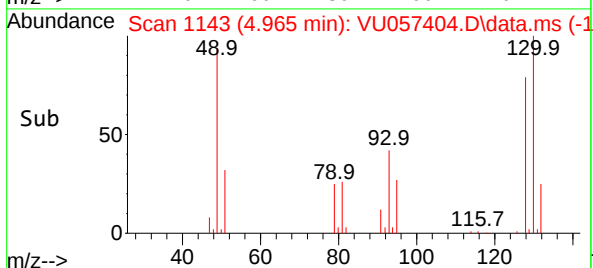
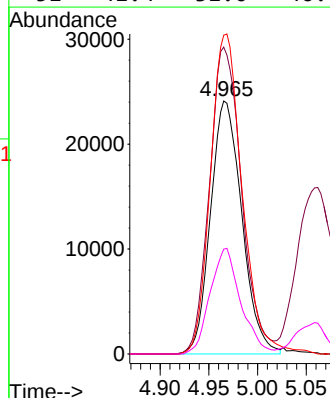
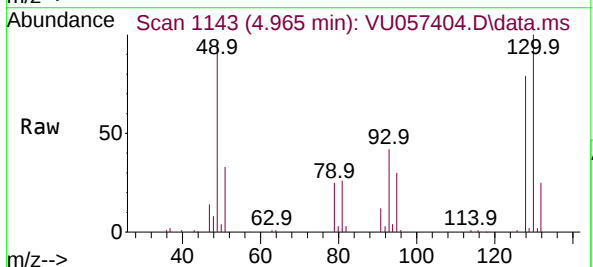
Instrument :
MSVOA_U
ClientSampleId :

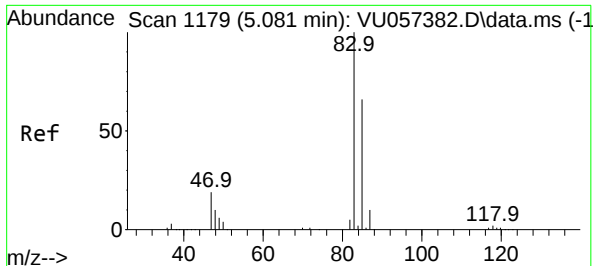
Tgt Ion: 43 Resp: 92633
Ion Ratio Lower Upper
43 100
72 28.9 15.2 45.6



#23
Bromochloromethane
Concen: 47.238 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Tgt Ion: 128 Resp: 53899
Ion Ratio Lower Upper
128 100
49 121.3 83.4 154.8
130 126.0 87.6 162.6
51 41.4 31.0 46.6





#25

Chloroform

Concen: 47.520 ug/L

RT: 5.078 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

Instrument :

MSVOA_U

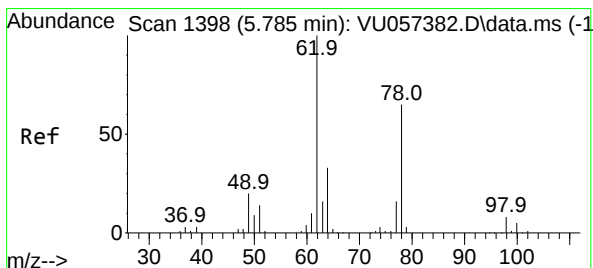
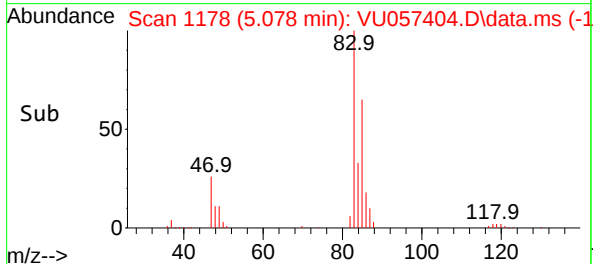
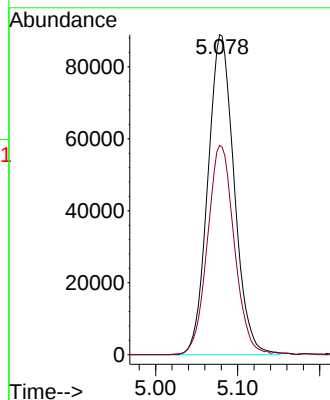
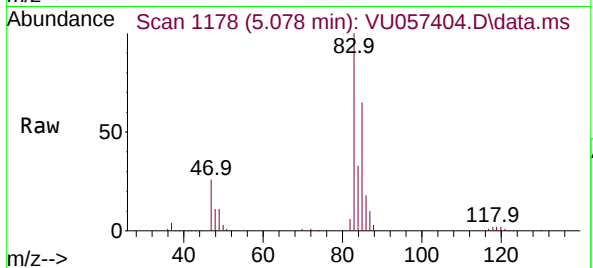
ClientSampleId :

Tgt Ion: 83 Resp: 198396

Ion Ratio Lower Upper

83 100

85 65.4 45.5 84.5



#27

1,2-Dichloroethane

Concen: 48.675 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU057404.D

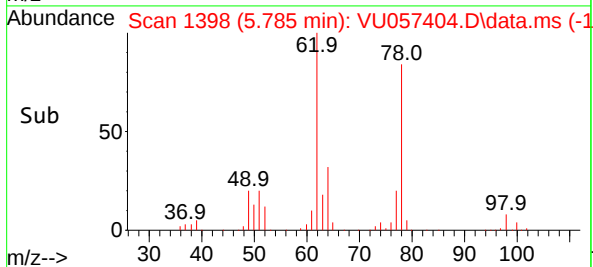
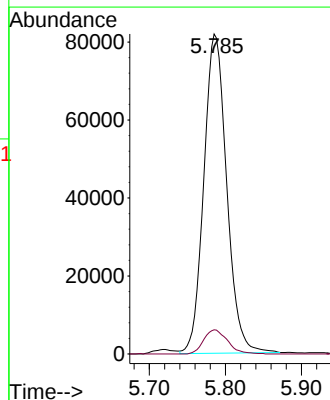
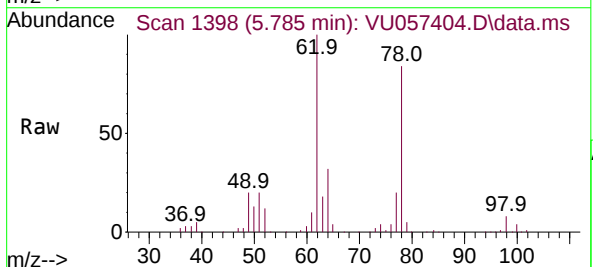
Acq: 08 Jan 2024 23:57

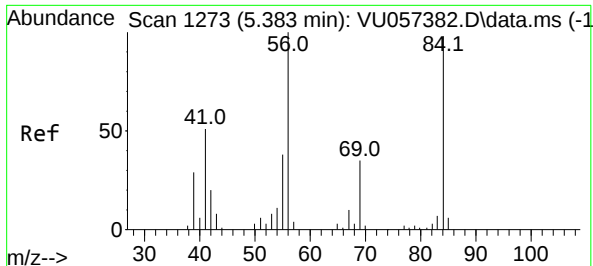
Tgt Ion: 62 Resp: 171179

Ion Ratio Lower Upper

62 100

98 7.6 6.1 9.1





#29

Cyclohexane

Concen: 50.810 ug/L

RT: 5.380 min Scan# 1273

Delta R.T. -0.003 min

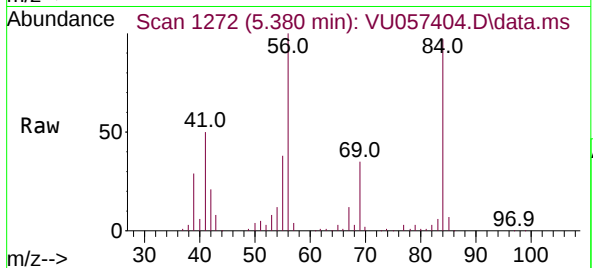
Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

Instrument :

MSVOA_U

ClientSampleId :



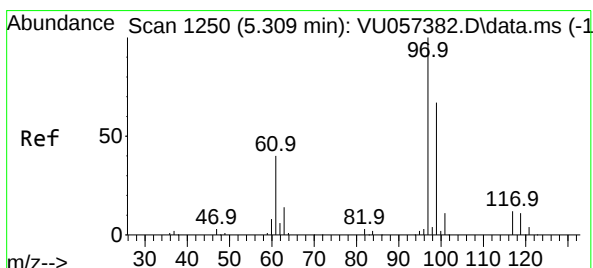
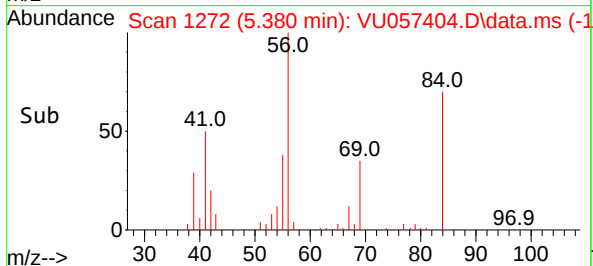
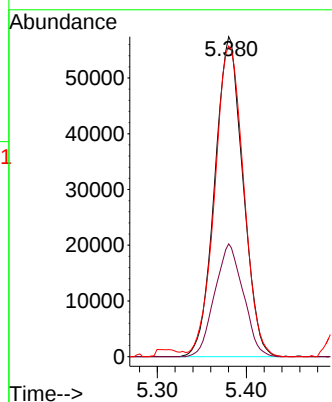
Tgt Ion: 56 Resp: 126302

Ion Ratio Lower Upper

56 100

69 35.6 27.8 41.8

84 99.7 79.3 118.9



#30

1,1,1-Trichloroethane

Concen: 48.071 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.003 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

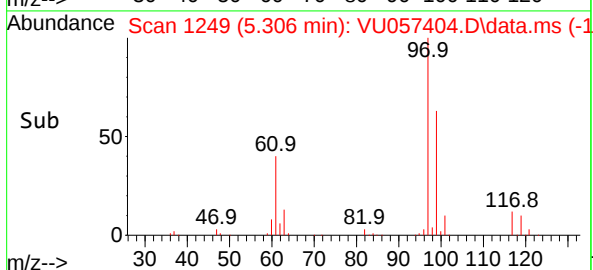
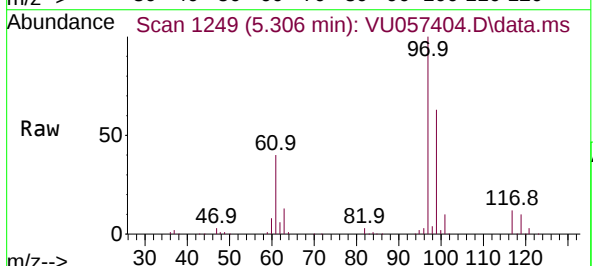
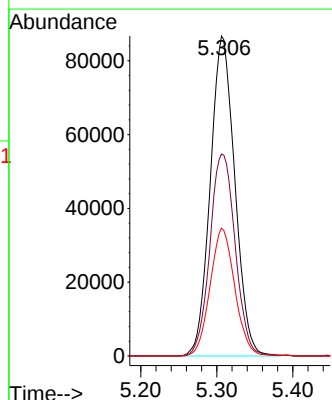
Tgt Ion: 97 Resp: 194323

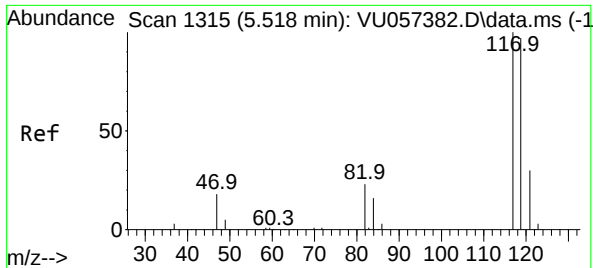
Ion Ratio Lower Upper

97 100

99 65.1 52.1 78.1

61 40.1 31.9 47.9

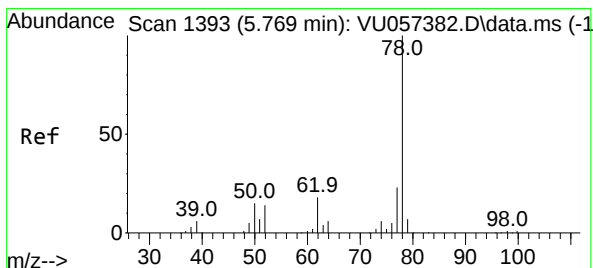
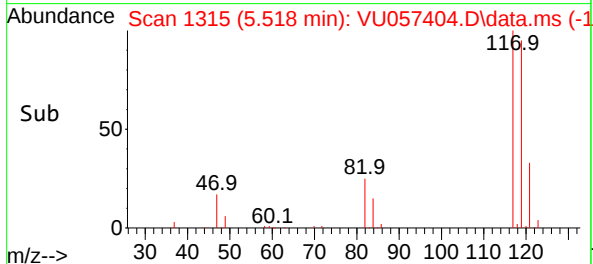
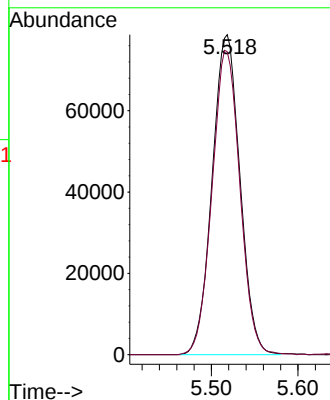
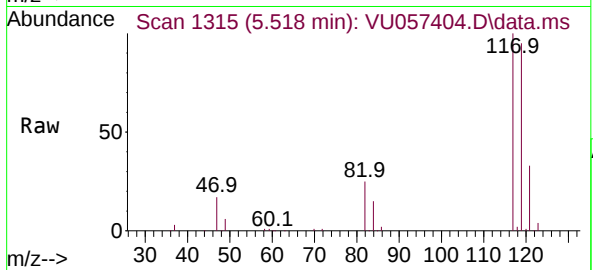




#31
Carbon tetrachloride
Concen: 48.938 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

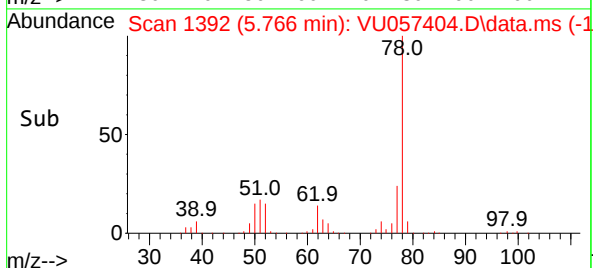
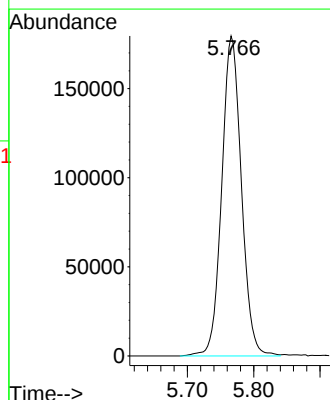
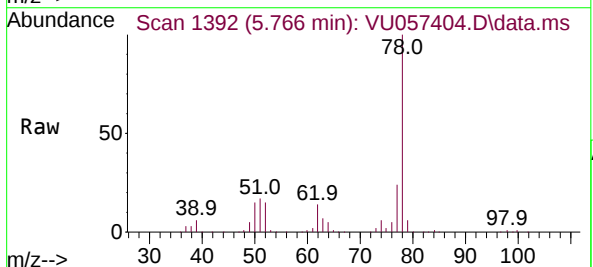
Instrument :
MSVOA_U
ClientSampleId :

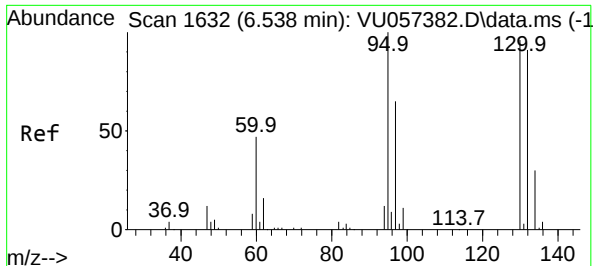
Tgt Ion:117 Resp: 175461
Ion Ratio Lower Upper
117 100
119 95.2 76.5 114.7



#33
Benzene
Concen: 49.976 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Tgt Ion: 78 Resp: 369007





#34

Trichloroethene

Concen: 48.297 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.004 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 104115

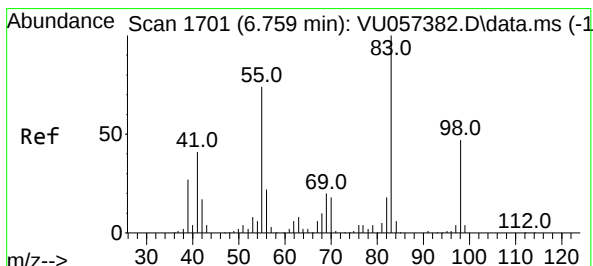
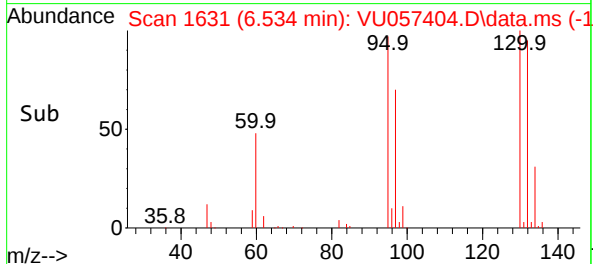
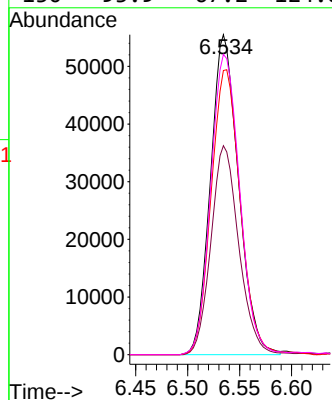
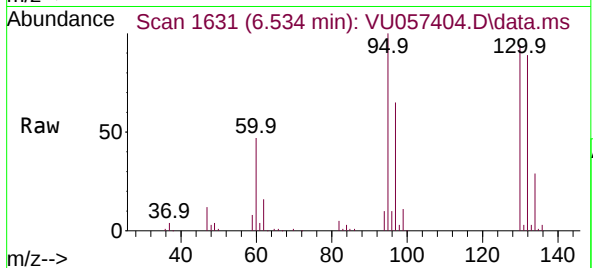
Ion Ratio Lower Upper

95 100

97 65.3 46.2 85.8

132 88.8 64.3 119.5

130 93.9 67.2 124.8



#35

Methylcyclohexane

Concen: 48.634 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

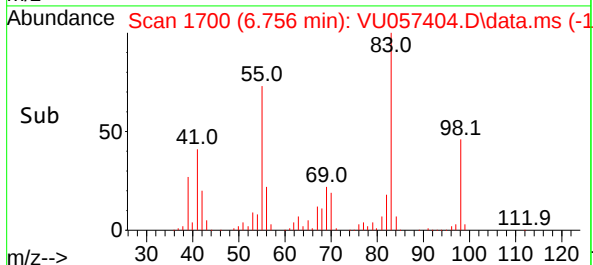
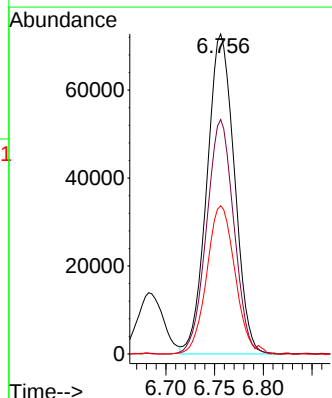
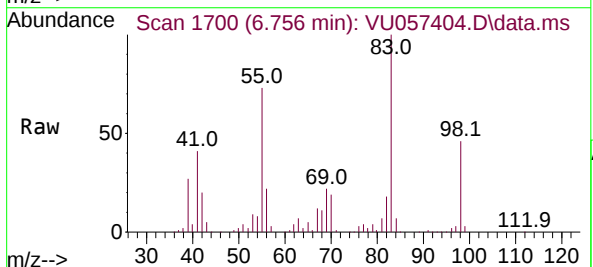
Tgt Ion: 83 Resp: 142639

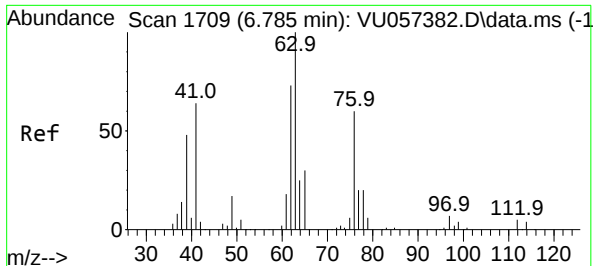
Ion Ratio Lower Upper

83 100

55 72.8 58.0 87.0

98 47.0 36.6 55.0

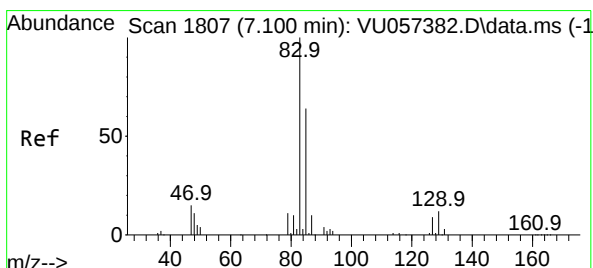
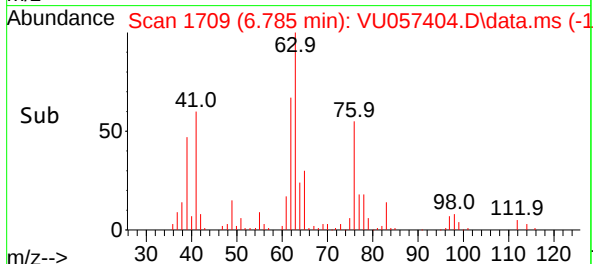
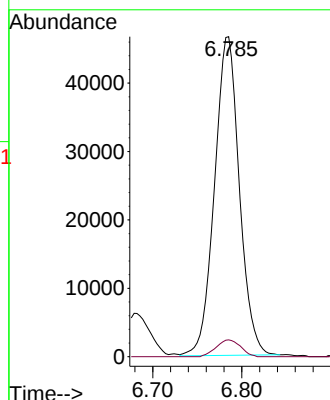
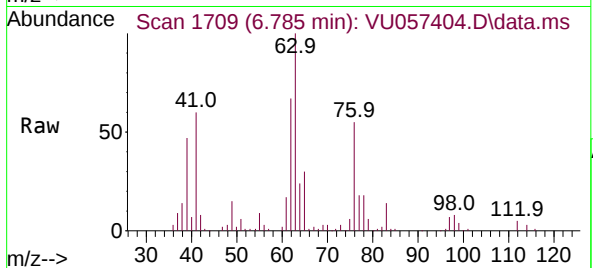




#37
1,2-Dichloropropane
Concen: 49.597 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

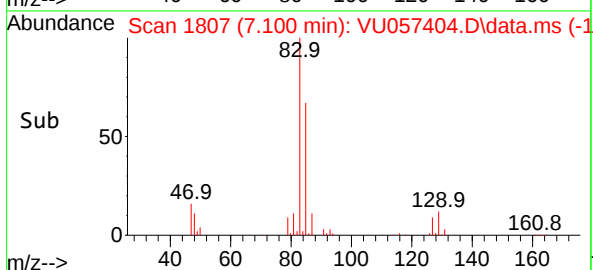
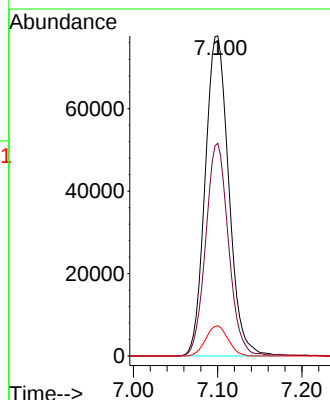
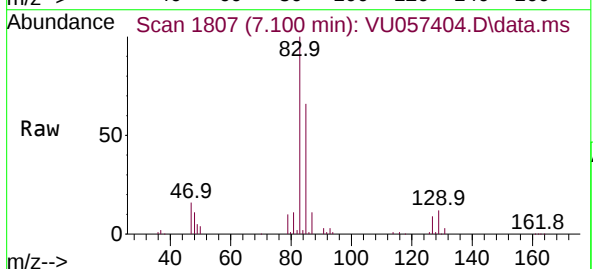
Instrument :
MSVOA_U
ClientSampleId :

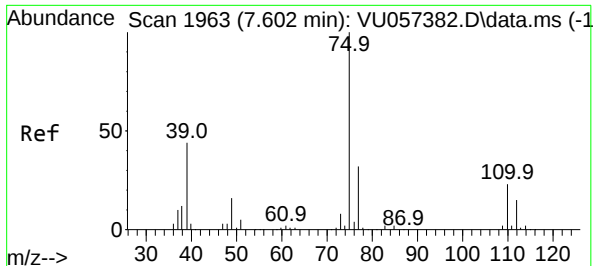
Tgt Ion: 63 Resp: 90369
Ion Ratio Lower Upper
63 100
112 5.2 3.8 5.8



#38
Bromodichloromethane
Concen: 49.000 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Tgt Ion: 83 Resp: 151244
Ion Ratio Lower Upper
83 100
85 66.5 44.7 83.1
127 9.4 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 48.163 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

Instrument :

MSVOA_U

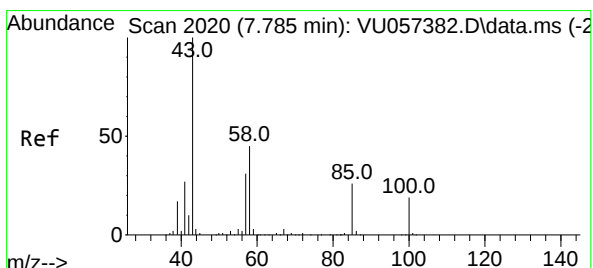
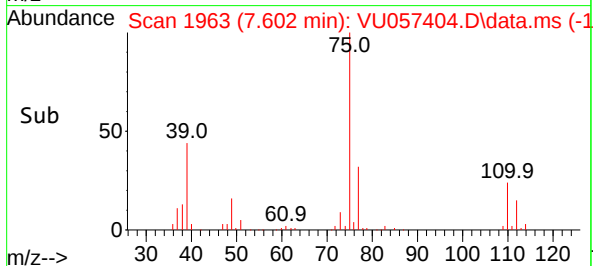
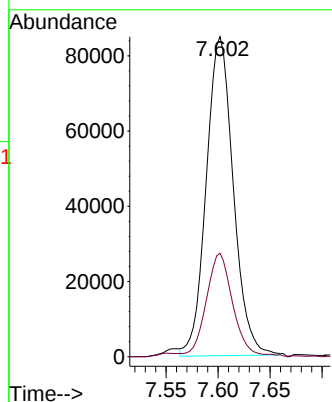
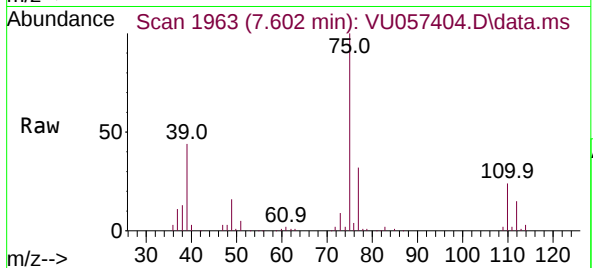
ClientSampleId :

Tgt Ion: 75 Resp: 153668

Ion Ratio Lower Upper

75 100

77 32.4 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 108.139 ug/L

RT: 7.801 min Scan# 2025

Delta R.T. 0.016 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

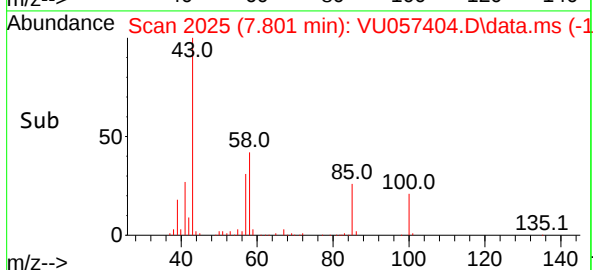
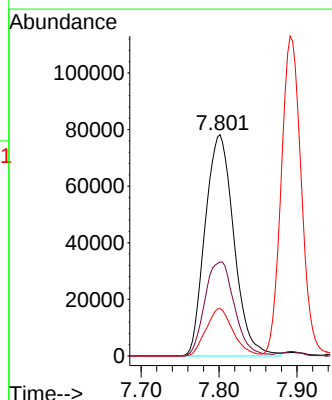
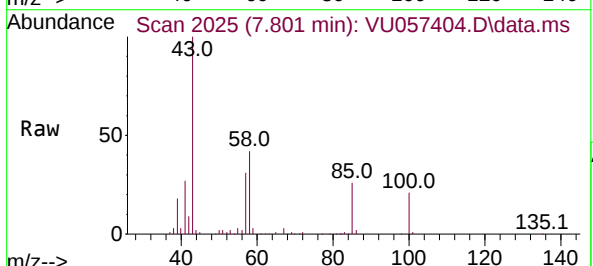
Tgt Ion: 43 Resp: 200764

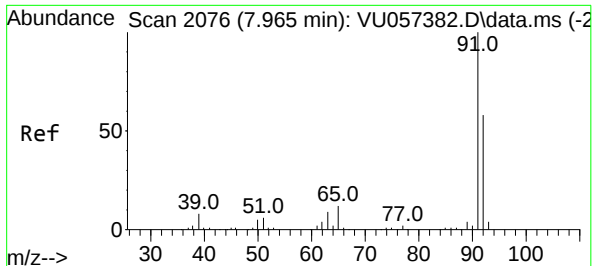
Ion Ratio Lower Upper

43 100

58 43.7 36.2 54.4

100 20.1 16.6 24.8

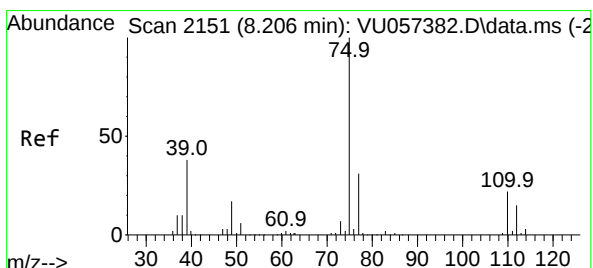
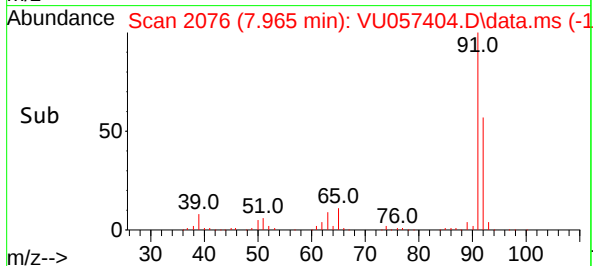
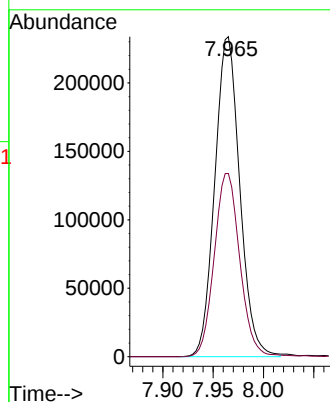
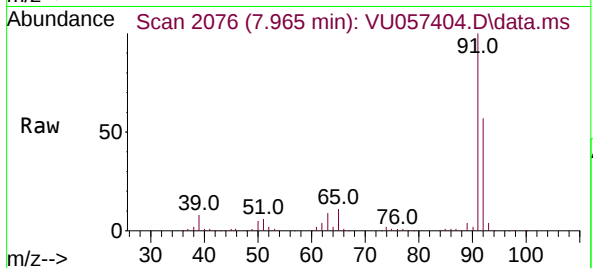




#42
Toluene
Concen: 50.932 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

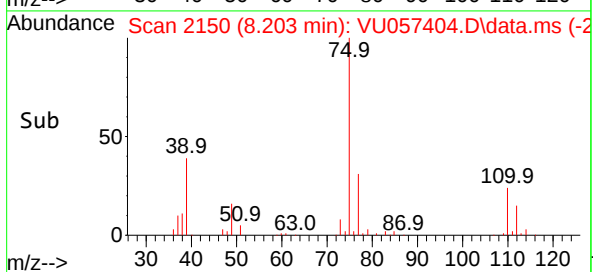
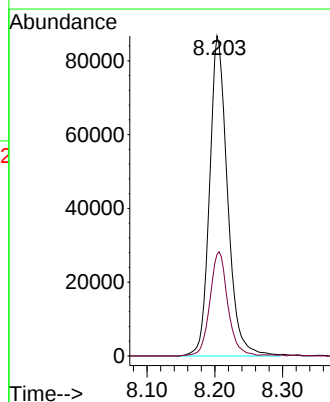
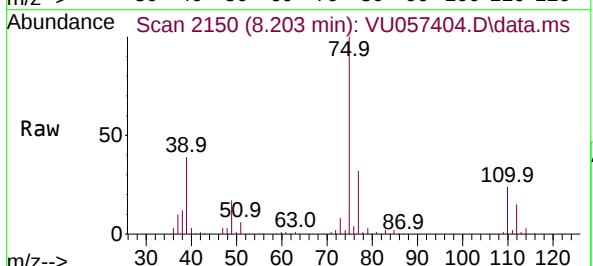
Instrument :
MSVOA_U
ClientSampleId :

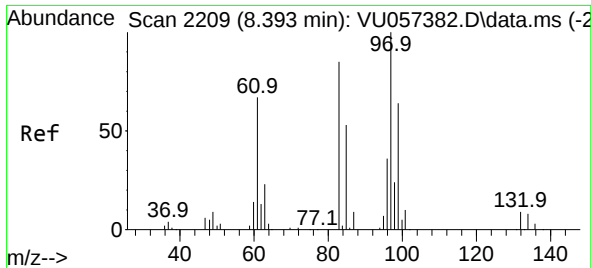
Tgt Ion: 91 Resp: 404385
Ion Ratio Lower Upper
91 100
92 57.2 40.3 74.9



#44
trans-1,3-Dichloropropene
Concen: 49.799 ug/L
RT: 8.203 min Scan# 2150
Delta R.T. -0.003 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Tgt Ion: 75 Resp: 159517
Ion Ratio Lower Upper
75 100
77 31.7 21.3 39.5

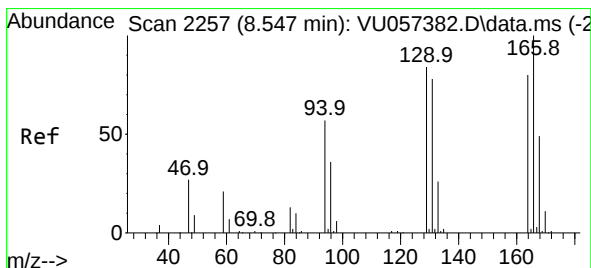
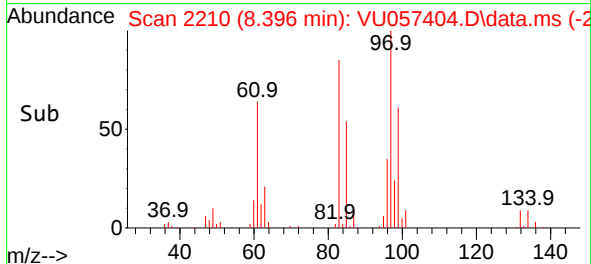
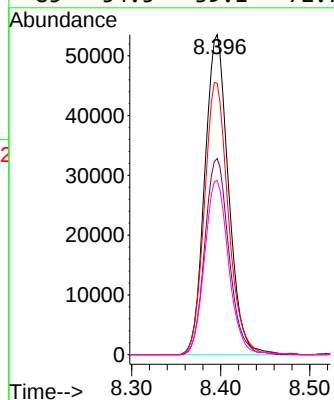
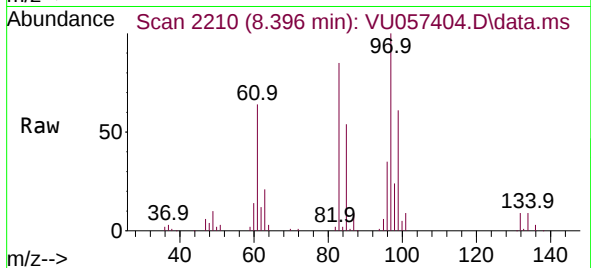




#45
1,1,2-Trichloroethane
Concen: 49.331 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

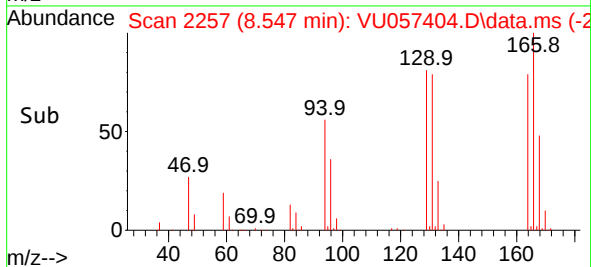
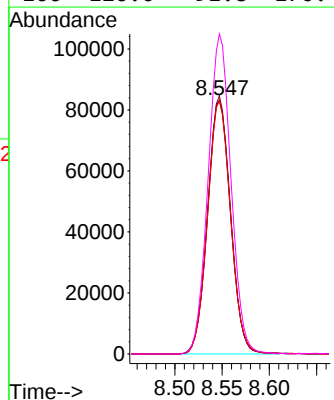
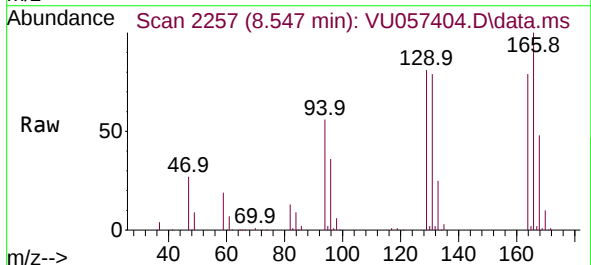
Instrument :
MSVOA_U
ClientSampleId :

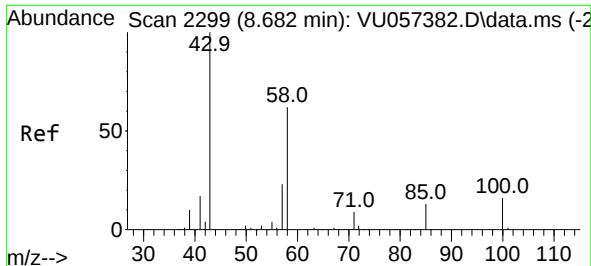
Tgt Ion: 97	Resp: 98902
Ion Ratio	Lower Upper
97 100	
99 61.3	43.3 80.5
83 84.8	56.9 105.7
85 54.5	39.1 72.7



#46
Tetrachloroethene
Concen: 86.902 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

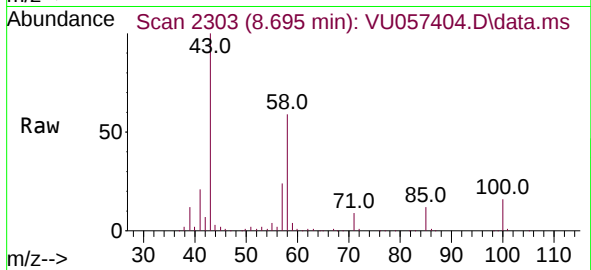
Tgt	Ion:164	Resp:	141710
Ion	Ratio	Lower	Upper
164	100		
129	101.7	72.3	134.3
131	99.7	68.8	127.8
166	126.0	91.8	170.4



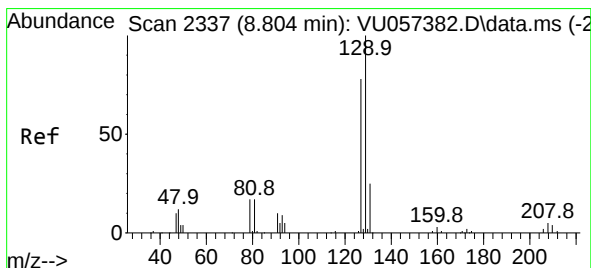
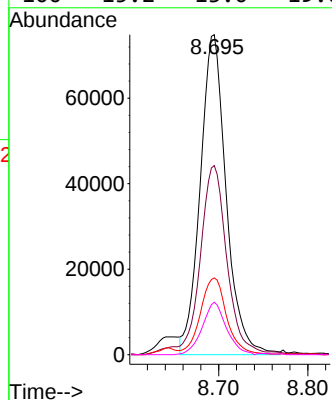
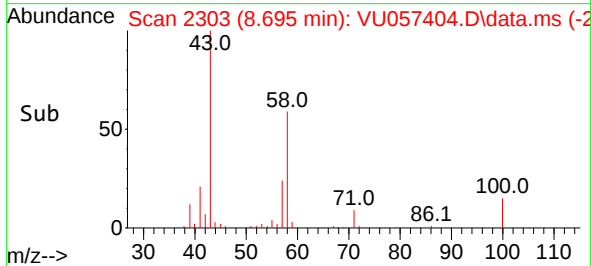


#48
2-Hexanone
Concen: 101.628 ug/L
RT: 8.695 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Instrument :
MSVOA_U
ClientSampleId :

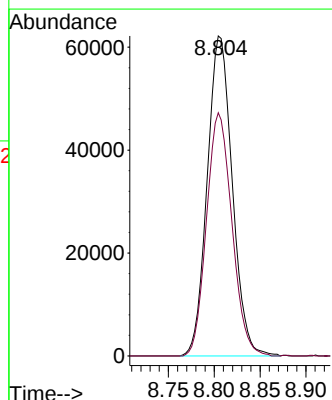
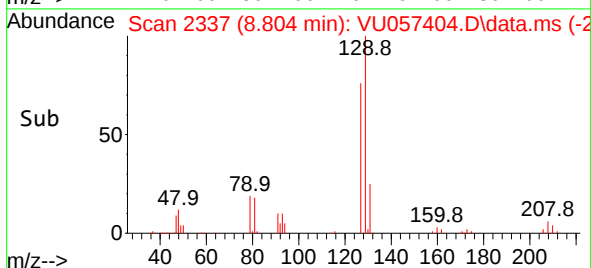
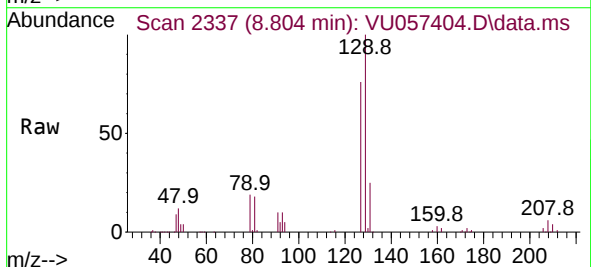


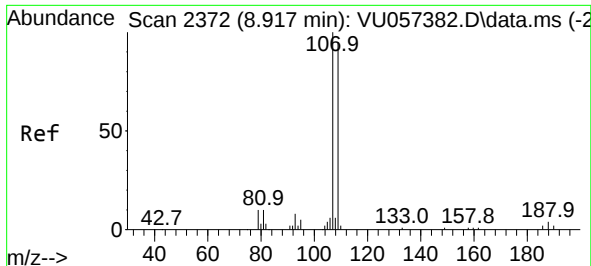
Tgt Ion:	43	Resp:	151795
Ion	Ratio	Lower	Upper
43	100		
58	58.1	49.4	74.2
57	24.2	19.1	28.7
100	15.2	13.0	19.6



#49
Dibromochloromethane
Concen: 48.441 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

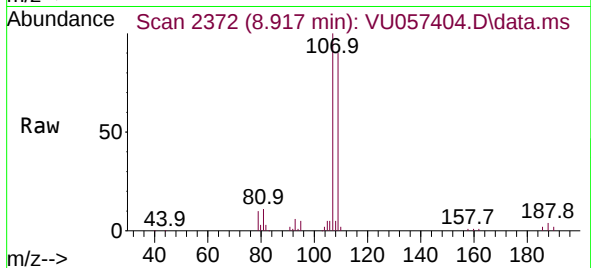
Tgt Ion:	129	Resp:	118354
Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.5	101.1



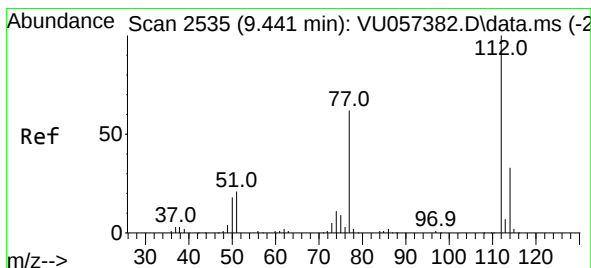
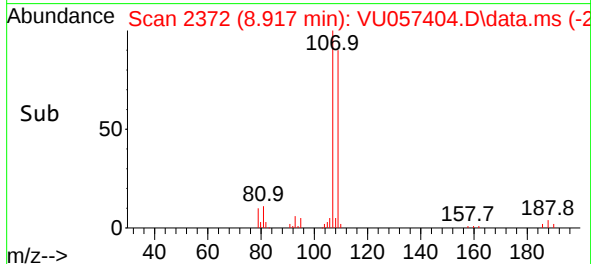
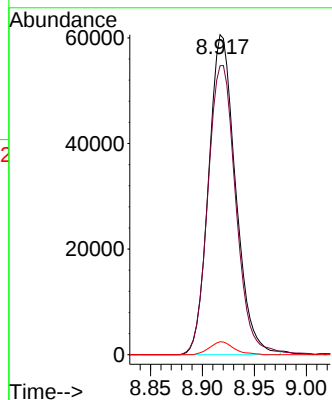


#50
1,2-Dibromoethane
Concen: 51.478 ug/L
RT: 8.917 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Instrument :
MSVOA_U
ClientSampleId :

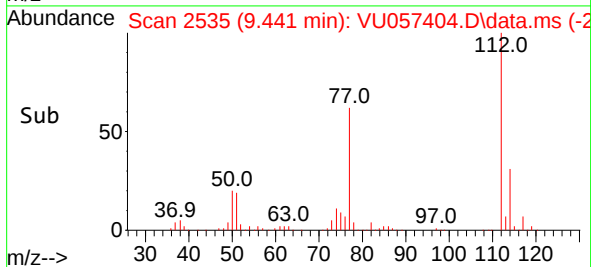
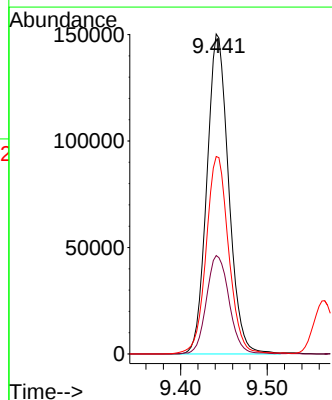
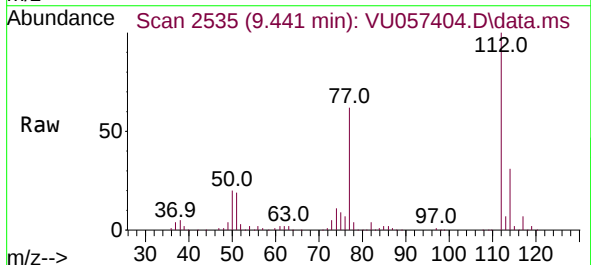


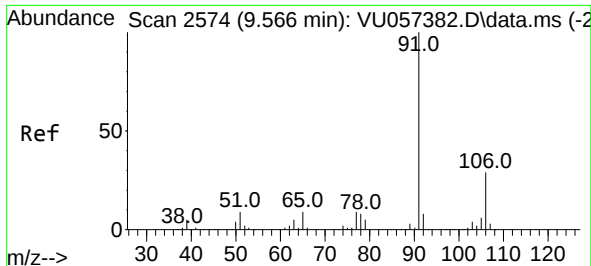
Tgt Ion:107 Resp: 109473
Ion Ratio Lower Upper
107 100
109 90.3 64.4 119.6
188 4.0 2.8 4.2



#51
Chlorobenzene
Concen: 49.232 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Tgt Ion:112 Resp: 262645
Ion Ratio Lower Upper
112 100
114 30.8 22.5 41.7
77 61.7 50.1 75.1

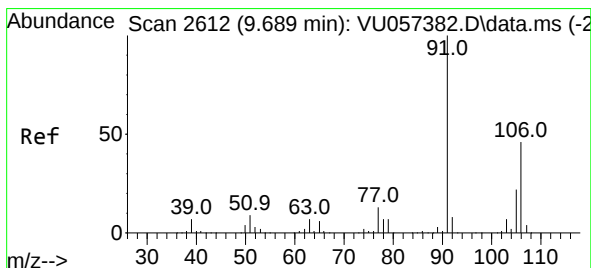
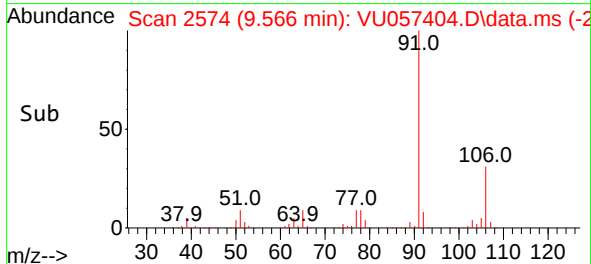
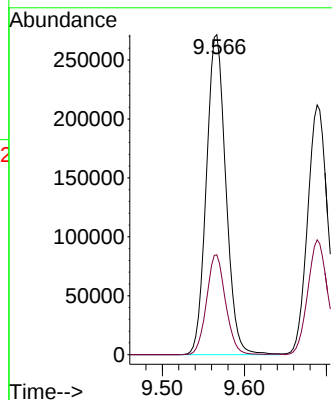
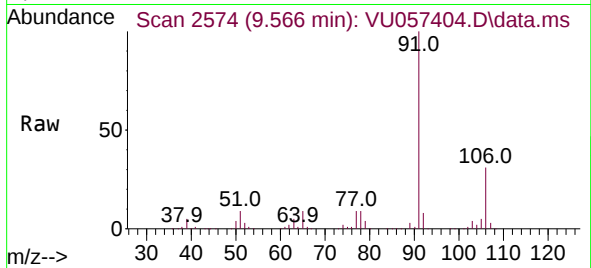




#52
Ethylbenzene
Concen: 50.692 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

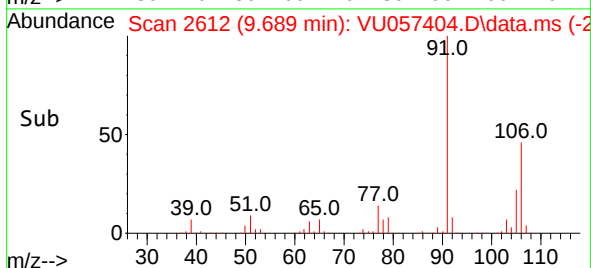
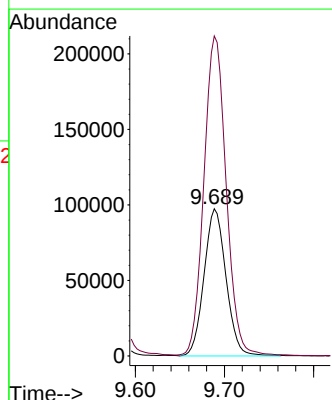
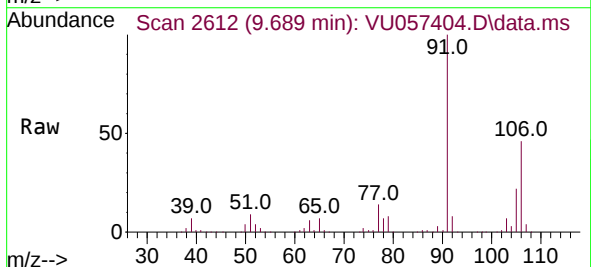
Instrument :
MSVOA_U
ClientSampleId :

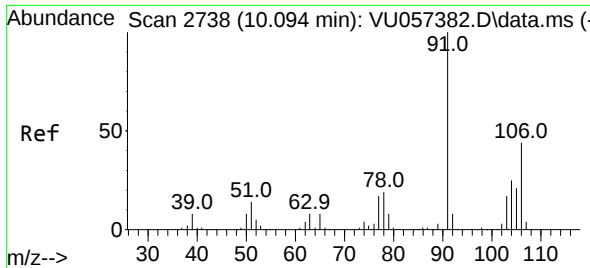
Tgt Ion: 91 Resp: 448186
Ion Ratio Lower Upper
91 100
106 31.2 21.0 39.0



#53
m,p-Xylene
Concen: 50.507 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Tgt Ion: 106 Resp: 166928
Ion Ratio Lower Upper
106 100
91 217.5 151.8 281.8

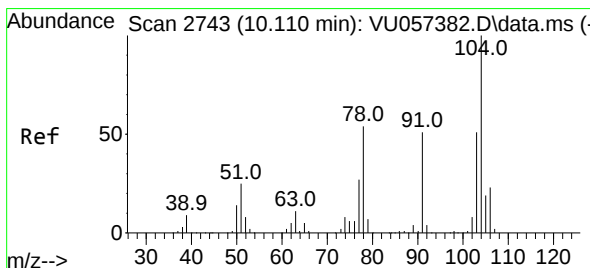
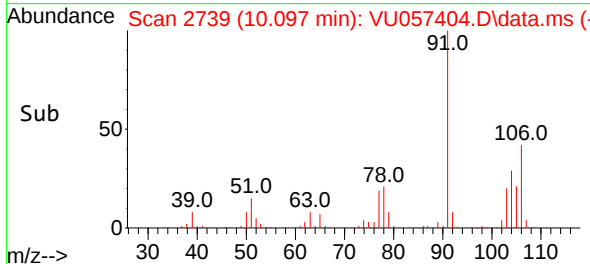
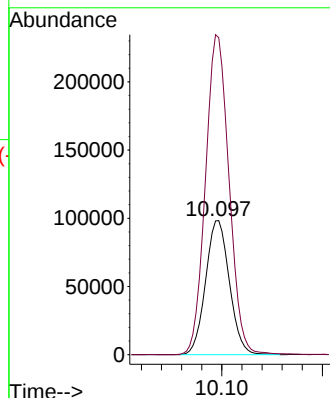
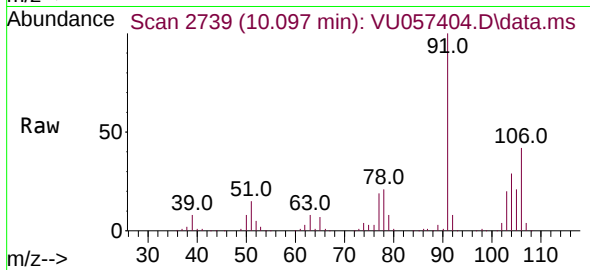




#54
o-Xylene
Concen: 50.182 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

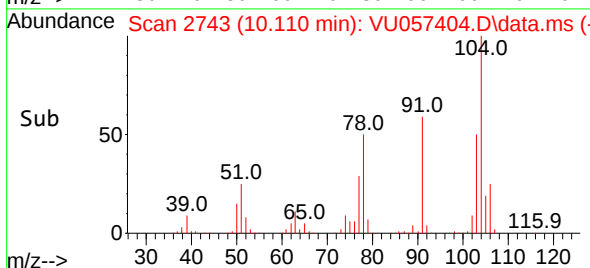
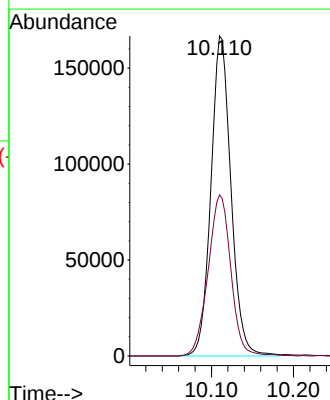
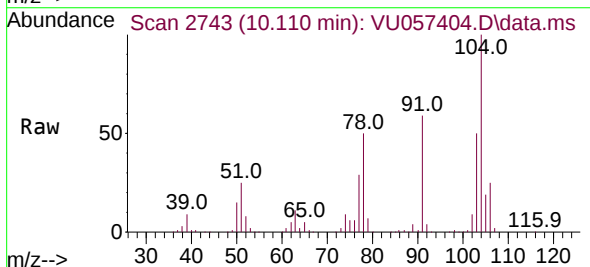
Instrument :
MSVOA_U
ClientSampleId :

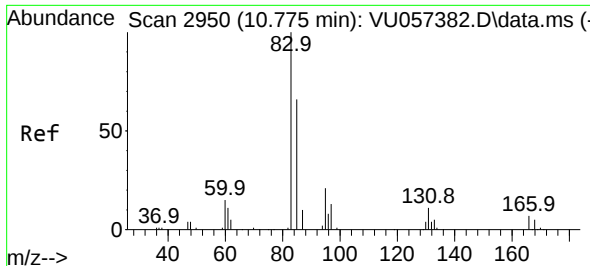
Tgt Ion:106 Resp: 161969
Ion Ratio Lower Upper
106 100
91 236.5 160.4 297.8



#55
Styrene
Concen: 51.910 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Tgt Ion:104 Resp: 283723
Ion Ratio Lower Upper
104 100
78 50.4 35.8 66.6





#57

1,1,2,2-Tetrachloroethane

Concen: 49.573 ug/L

RT: 10.779 min Scan# 2950

Delta R.T. 0.004 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

Instrument :

MSVOA_U

ClientSampleId :

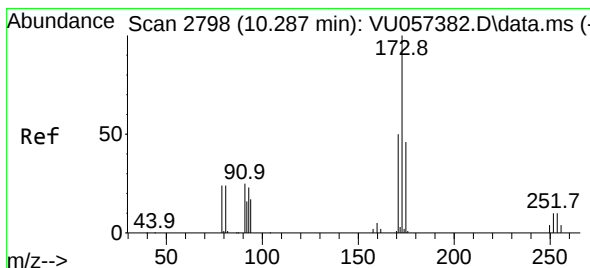
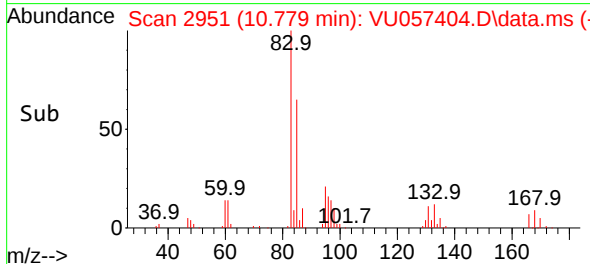
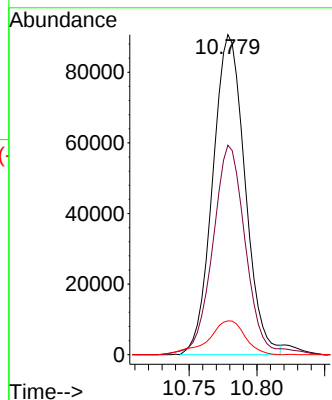
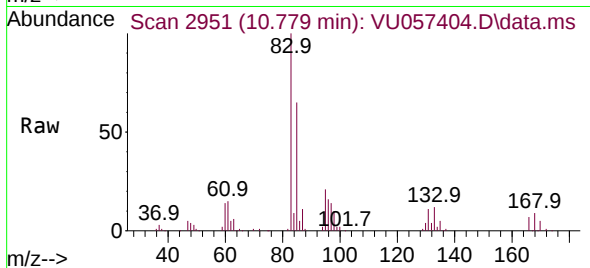
Tgt Ion: 83 Resp: 149862

Ion Ratio Lower Upper

83 100

85 65.4 47.9 88.9

131 10.6 9.8 14.8



#59

Bromoform

Concen: 49.459 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.003 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

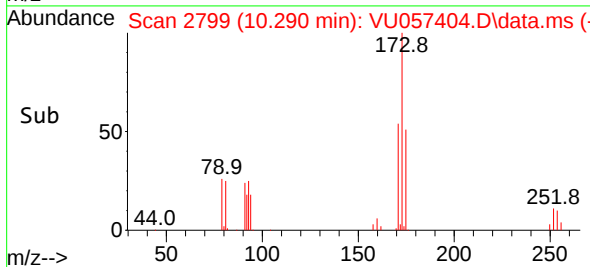
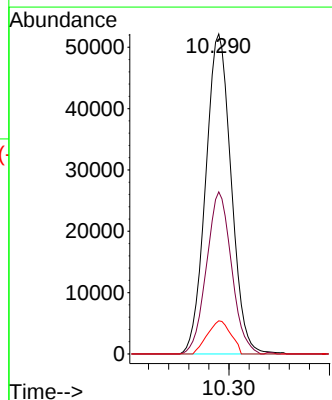
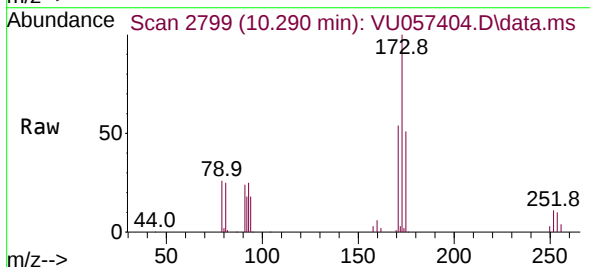
Tgt Ion:173 Resp: 91894

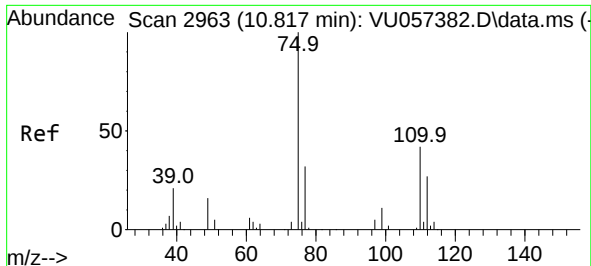
Ion Ratio Lower Upper

173 100

175 49.7 38.4 57.6

254 9.6 7.9 11.9

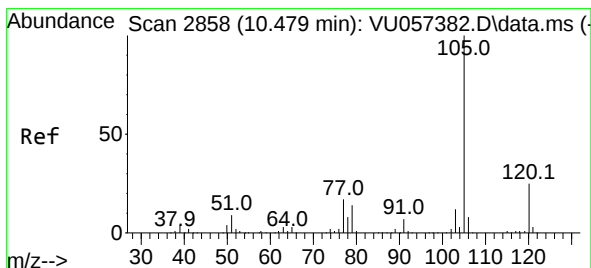
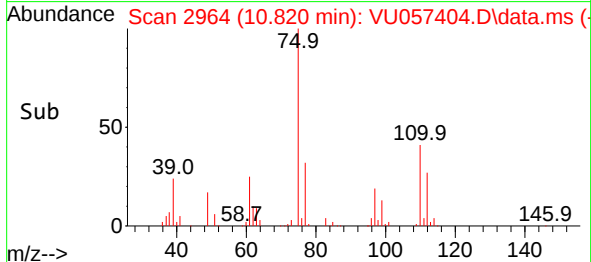
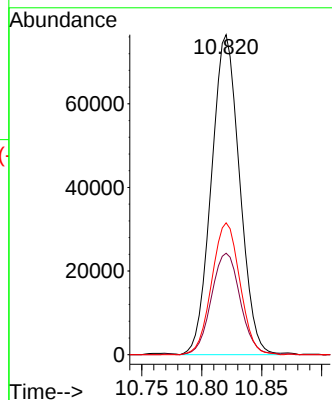
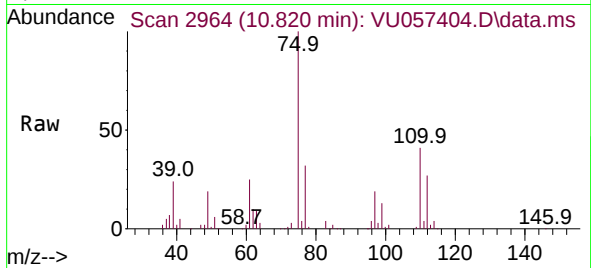




#60
1,2,3-Trichloropropane
Concen: 51.606 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

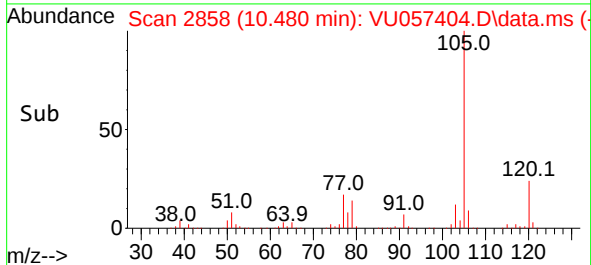
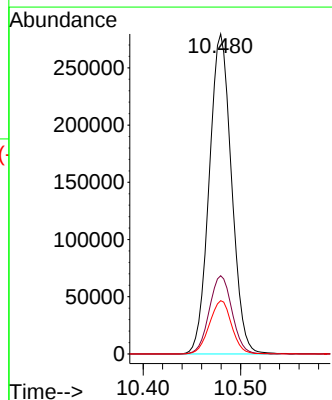
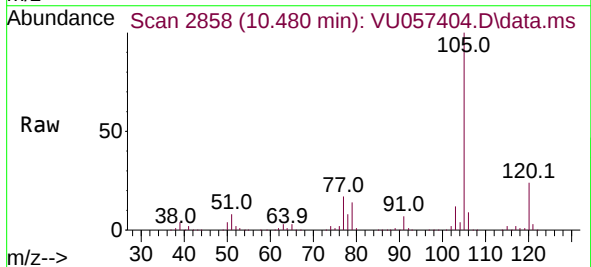
Instrument :
MSVOA_U
ClientSampleId :

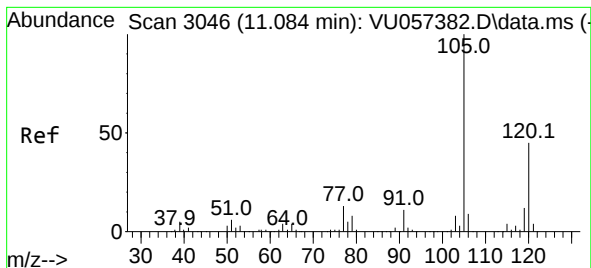
Tgt Ion: 75 Resp: 125258
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0
110 41.0 33.6 50.4



#61
Isopropylbenzene
Concen: 53.028 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.001 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Tgt Ion: 105 Resp: 445002
Ion Ratio Lower Upper
105 100
120 24.9 19.9 29.9
77 16.7 13.3 19.9





#62

1,3,5-Trimethylbenzene

Concen: 53.249 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

Instrument :

MSVOA_U

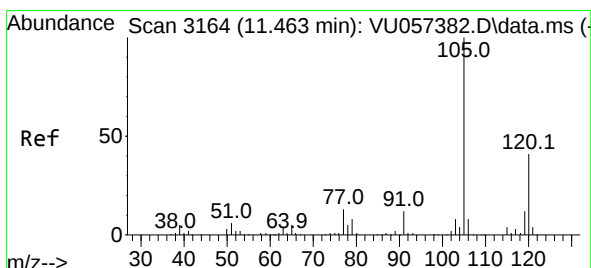
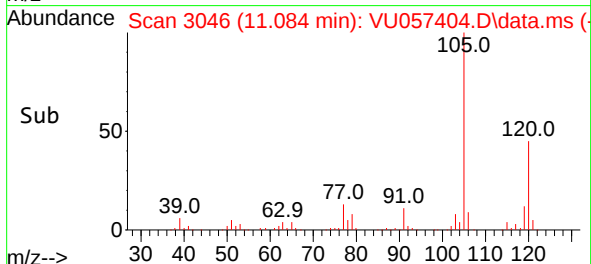
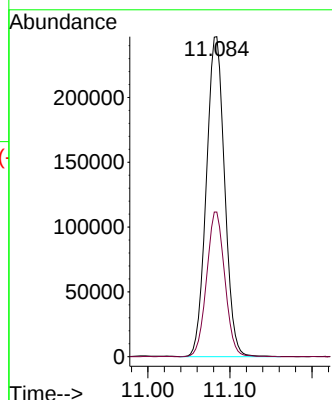
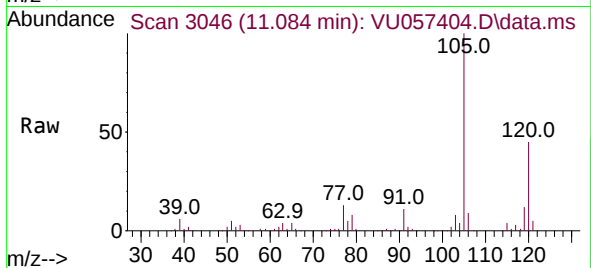
ClientSampleId :

Tgt Ion:105 Resp: 382158

Ion Ratio Lower Upper

105 100

120 45.0 36.1 54.1



#63

1,2,4-Trimethylbenzene

Concen: 52.493 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057404.D

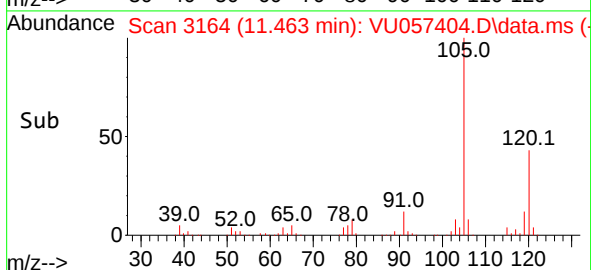
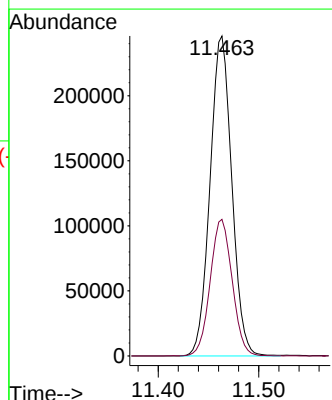
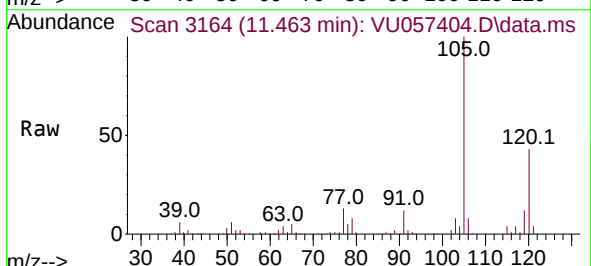
Acq: 08 Jan 2024 23:57

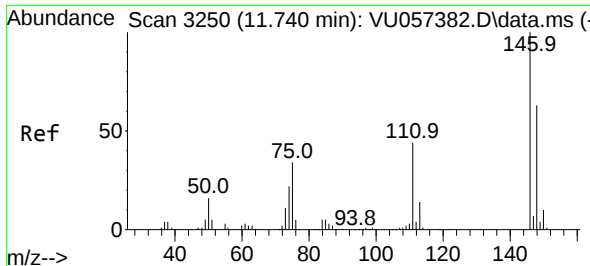
Tgt Ion:105 Resp: 369824

Ion Ratio Lower Upper

105 100

120 43.2 33.4 50.2

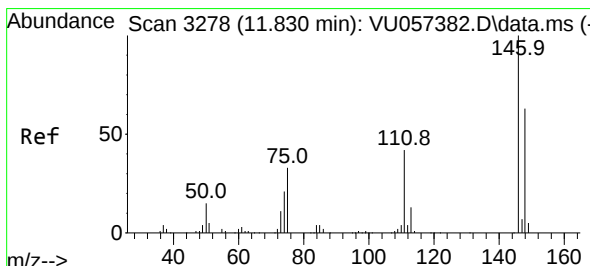
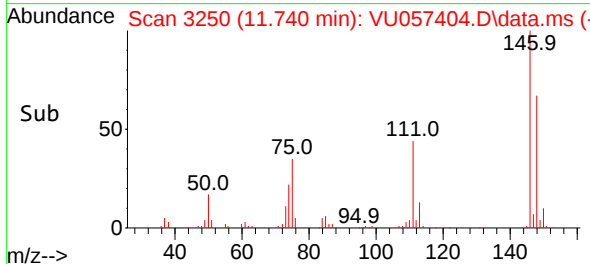
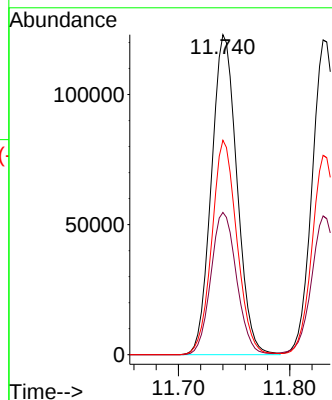
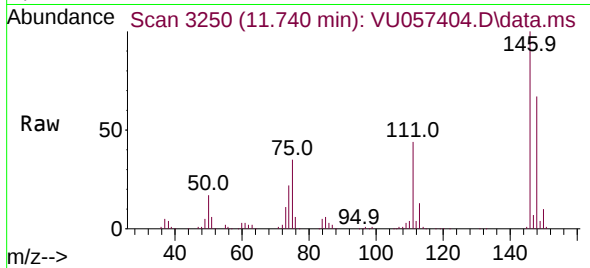




#64
1,3-Dichlorobenzene
Concen: 49.578 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

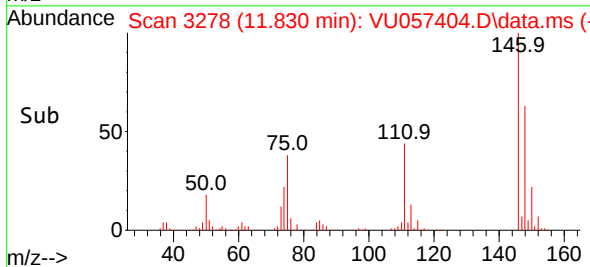
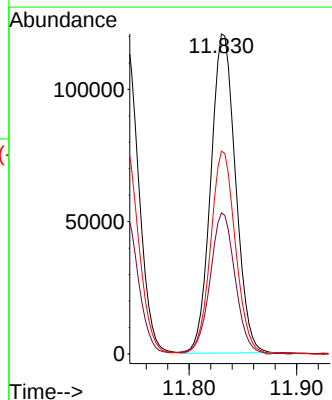
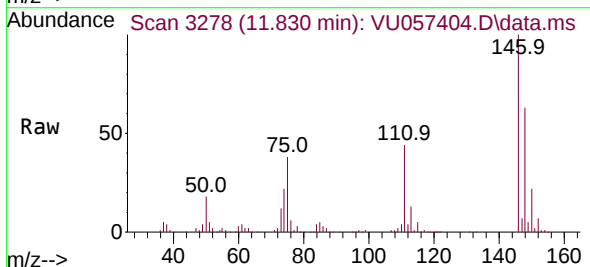
Instrument :
MSVOA_U
ClientSampleId :

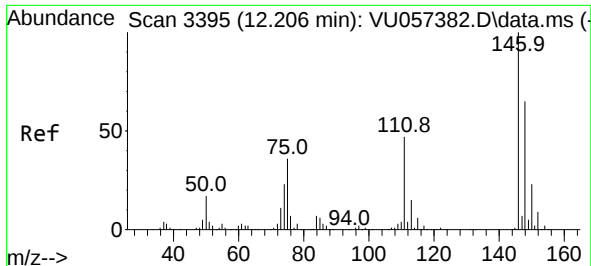
Tgt Ion:146 Resp: 196074
Ion Ratio Lower Upper
146 100
111 44.4 31.6 58.8
148 67.0 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 47.540 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU057404.D
Acq: 08 Jan 2024 23:57

Tgt Ion:146 Resp: 192997
Ion Ratio Lower Upper
146 100
111 44.1 30.3 56.3
148 63.4 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 49.308 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

Instrument :

MSVOA_U

ClientSampleId :

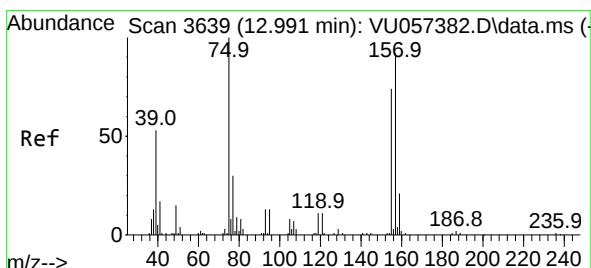
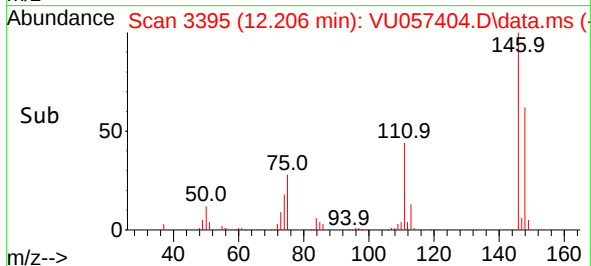
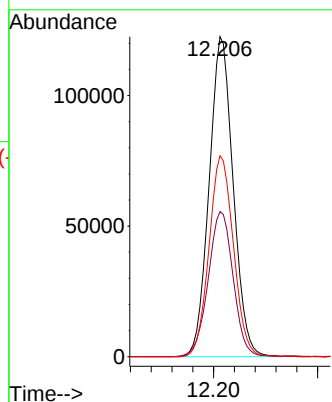
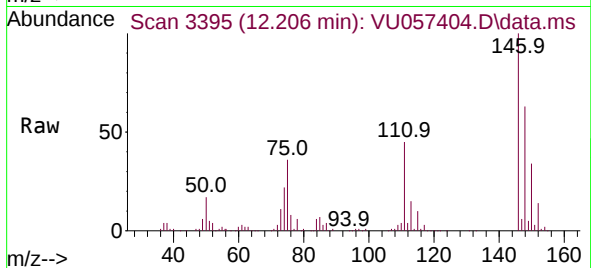
Tgt Ion:146 Resp: 196554

Ion Ratio Lower Upper

146 100

111 45.3 36.9 55.3

148 62.8 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 50.237 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

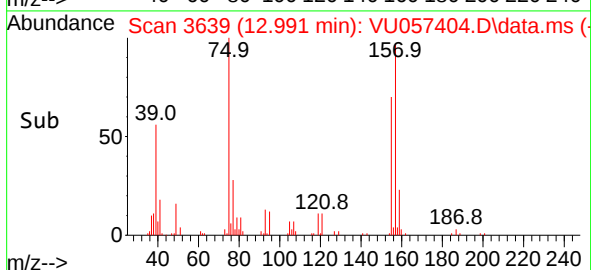
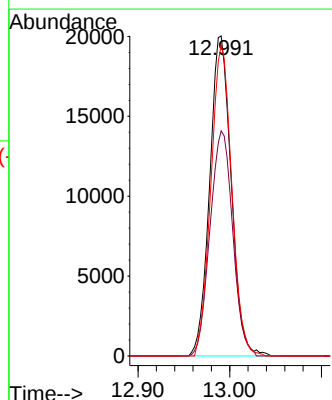
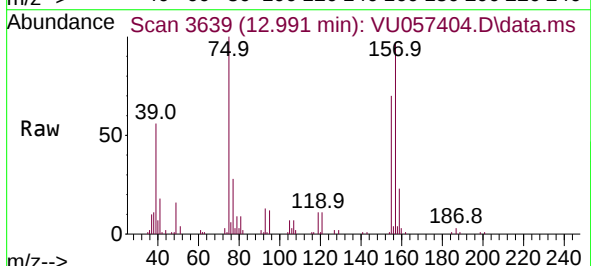
Tgt Ion: 75 Resp: 32559

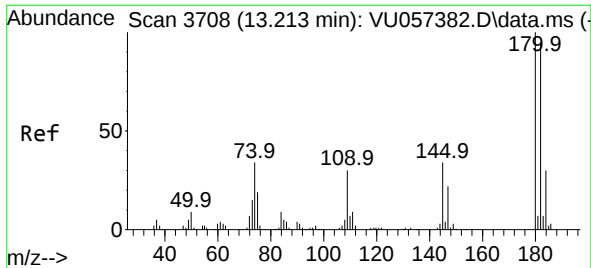
Ion Ratio Lower Upper

75 100

155 70.4 64.3 96.5

157 97.1 73.8 110.6





#69

1,3,5-Trichlorobenzene

Concen: 46.812 ug/L

RT: 13.213 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 132522

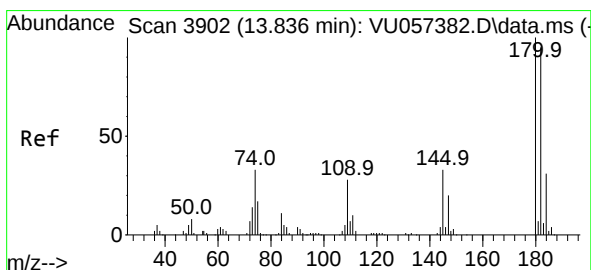
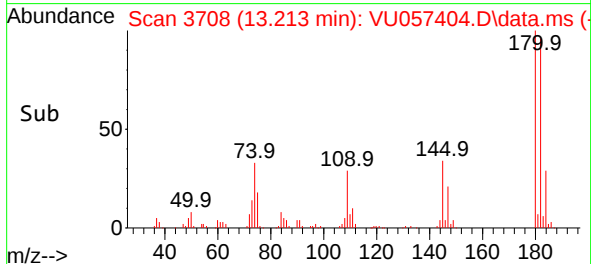
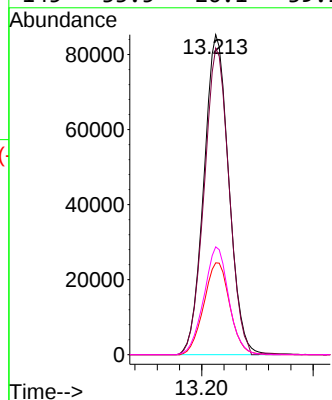
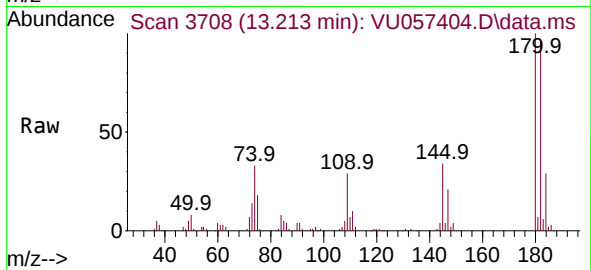
Ion Ratio Lower Upper

180 100

182 95.1 75.6 113.4

184 29.9 23.9 35.9

145 33.5 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 47.010 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

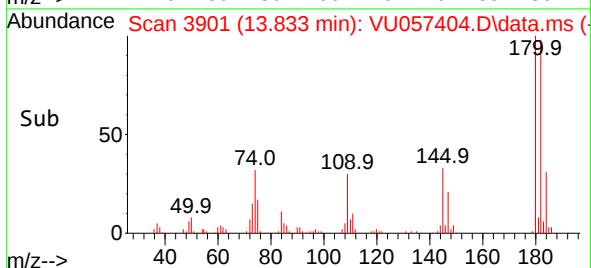
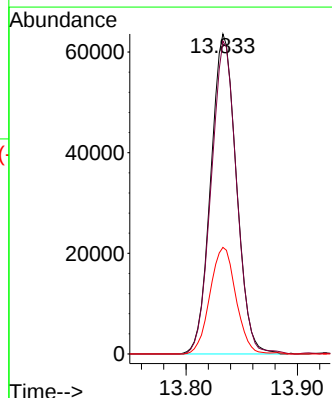
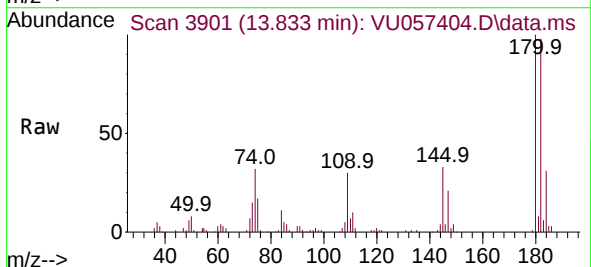
Tgt Ion:180 Resp: 101322

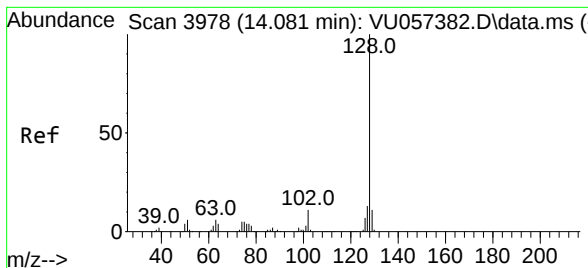
Ion Ratio Lower Upper

180 100

182 97.1 75.8 113.8

145 33.8 27.4 41.0





#71

Naphthalene

Concen: 47.349 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU057404.D

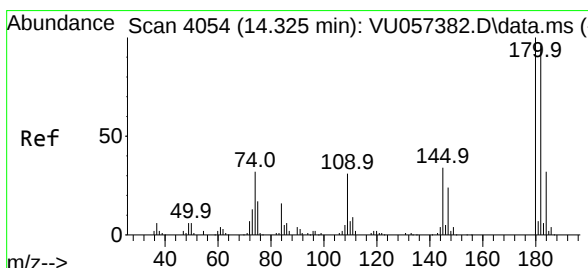
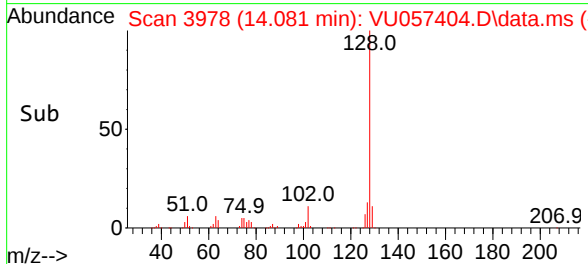
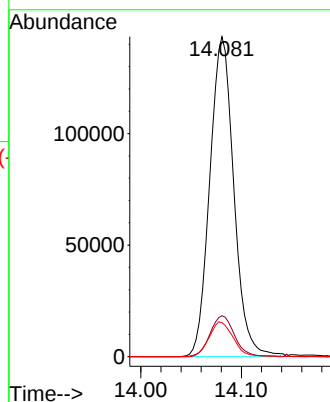
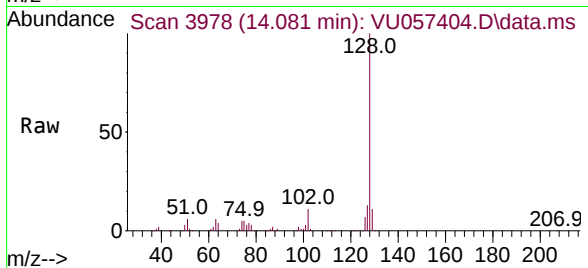
Acq: 08 Jan 2024 23:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	128	Resp:	238455
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.5	12.7



#72

1,2,3-Trichlorobenzene

Concen: 48.395 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU057404.D

Acq: 08 Jan 2024 23:57

Tgt Ion:	180	Resp:	98644
Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.5	116.3
145	35.0	28.2	42.4

