

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010924\
 Data File : VU057460.D
 Acq On : 09 Jan 2024 23:27
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 10 00:42:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 10 00:35:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	263107	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	306800	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	174363	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	69131	38.175	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.360%
7) Chloroethane-d5	1.911	69	55548	39.638	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.280%
11) 1,1-Dichloroethene-d2	2.563	63	158309	41.245	ug/L	0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.480%
21) 2-Butanone-d5	4.624	46	93475	106.527	ug/L	-0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.530%
24) Chloroform-d	5.055	84	186715	43.602	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	5.692	65	128038	45.260	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.520%
32) Benzene-d6	5.721	84	311656	37.843	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.680%
36) 1,2-Dichloropropane-d6	6.682	67	89780	38.625	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.240%
41) Toluene-d8	7.891	98	298194	38.638	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.280%#
43) trans-1,3-Dichloroprop...	8.174	79	53491	38.555	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.100%
47) 2-Hexanone-d5	8.640	63	119232	156.913	ug/L	-0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	156.910%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	139221	40.080	ug/L	-0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.160%
66) 1,2-Dichlorobenzene-d4	12.190	152	169793	49.788	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	141725	47.217	ug/L	99
3) Chloromethane	1.518	50	88134	46.794	ug/L	99
5) Vinyl chloride	1.605	62	97324	48.268	ug/L	99
6) Bromomethane	1.856	94	62823	47.074	ug/L	99
8) Chloroethane	1.933	64	53958	45.750	ug/L	94
9) Trichlorofluoromethane	2.129	101	198332	47.142	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	95444	47.239	ug/L	99
12) 1,1-Dichloroethene	2.573	96	85228	47.806	ug/L	89
13) Acetone	2.637	43	98291	91.984	ug/L	96
14) Carbon disulfide	2.788	76	257511	46.635	ug/L	99
15) Methyl Acetate	2.946	43	68617	49.223	ug/L	98
16) Methylene chloride	3.042	84	94574	46.658	ug/L	95
17) trans-1,2-Dichloroethene	3.345	96	87253	47.840	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	305545	52.338	ug/L	99
19) 1,1-Dichloroethane	3.859	63	163426	48.401	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	98576	50.527	ug/L	98
22) 2-Butanone	4.708	43	106560	101.207	ug/L	96
23) Bromochloromethane	4.968	128	53547	47.813	ug/L	96
25) Chloroform	5.078	83	198497	48.440	ug/L	99

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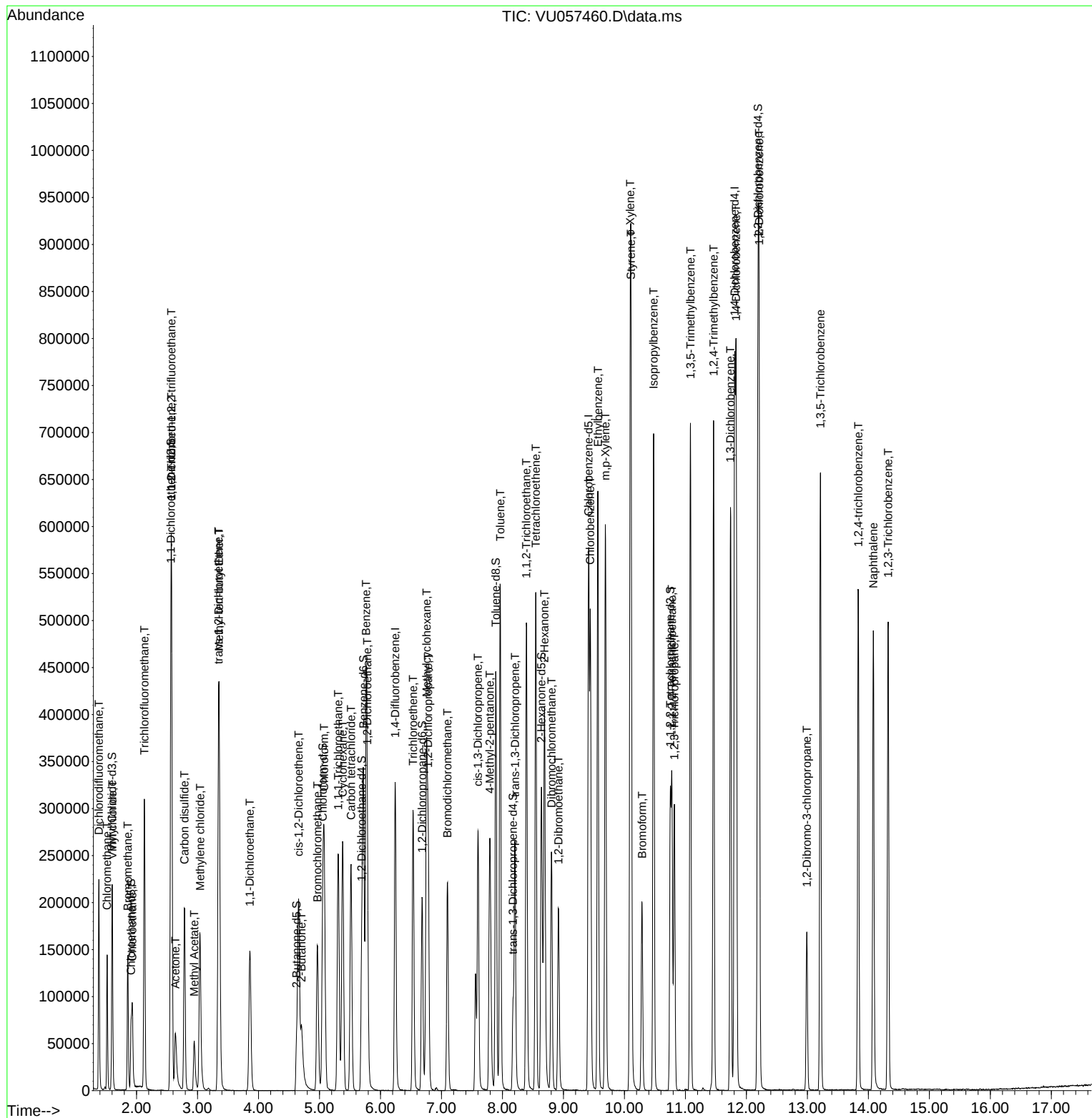
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	167743	48.596	ug/L	100
29) Cyclohexane	5.380	56	126622	43.623	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	194900	41.289	ug/L	99
31) Carbon tetrachloride	5.518	117	172169	41.123	ug/L	100
33) Benzene	5.766	78	362643	42.060	ug/L	100
34) Trichloroethene	6.534	95	102865	40.864	ug/L	98
35) Methylcyclohexane	6.756	83	145641	42.526	ug/L	99
37) 1,2-Dichloropropane	6.782	63	87763	41.249	ug/L	100
38) Bromodichloromethane	7.100	83	147474	40.916	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	167574	44.978	ug/L	99
40) 4-Methyl-2-pentanone	7.795	43	197473	91.091	ug/L	99
42) Toluene	7.965	91	401287	43.283	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	159601	42.670	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	157796	67.404	ug/L	95
46) Tetrachloroethene	8.547	164	112178	58.912	ug/L	96
48) 2-Hexanone	8.688	43	277727	159.236	ug/L #	97
49) Dibromochloromethane	8.804	129	138822	48.659	ug/L	99
50) 1,2-Dibromoethane	8.920	107	136354	54.910	ug/L	99
51) Chlorobenzene	9.441	112	265485	42.617	ug/L	99
52) Ethylbenzene	9.566	91	453024	43.881	ug/L	100
53) m,p-Xylene	9.688	106	171785	44.512	ug/L	99
54) o-Xylene	10.097	106	167304	44.390	ug/L	97
55) Styrene	10.110	104	283472	44.416	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	146775	41.579	ug/L	97
59) Bromoform	10.290	173	93071	36.813	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	124477	37.690	ug/L	100
61) Isopropylbenzene	10.479	105	453868	39.747	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	401073	41.070	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	392303	40.923	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	245496	45.619	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	290043	52.505	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	292506	53.927	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	46678	52.930	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	192957	50.091	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	152865	52.122	ug/L	99
71) Naphthalene	14.084	128	390359	56.964	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	146006	52.642	ug/L	99

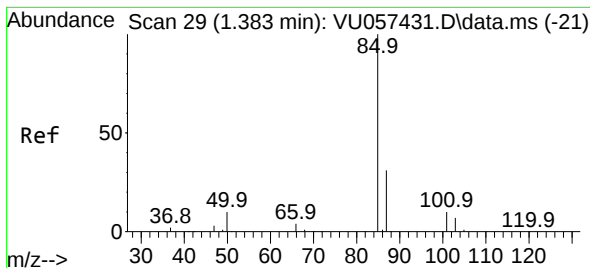
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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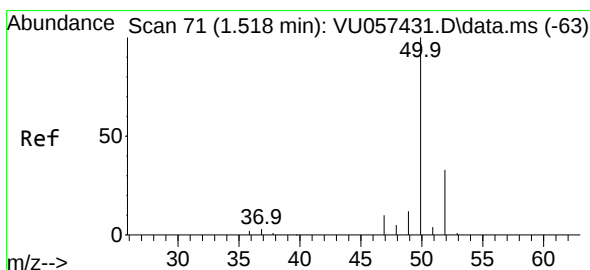
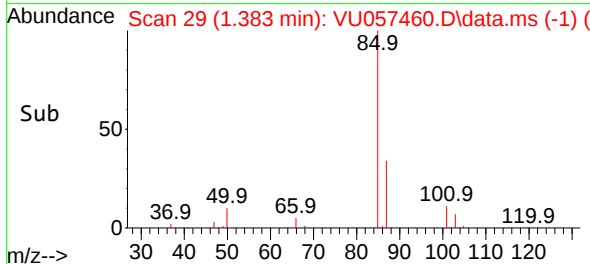
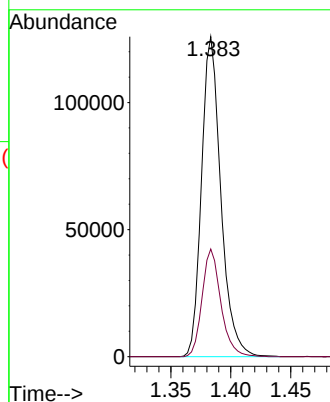
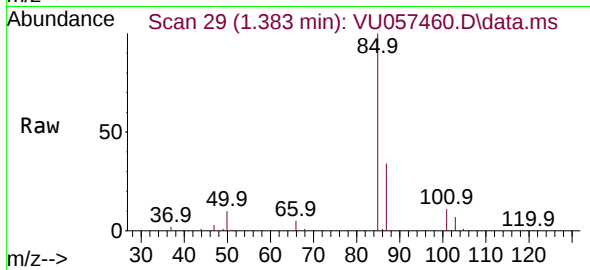




#2
 Dichlorodifluoromethane
 Concen: 47.217 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057460.D
 Acq: 09 Jan 2024 23:27

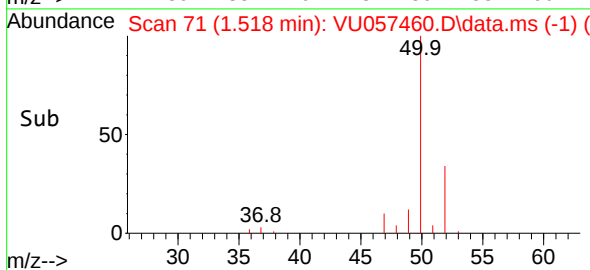
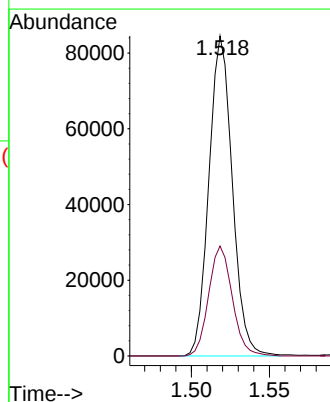
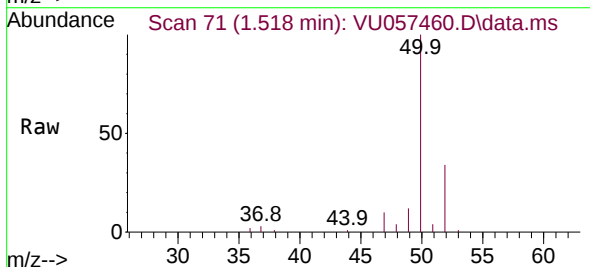
Instrument :
 MSVOA_U
 ClientSampleId :

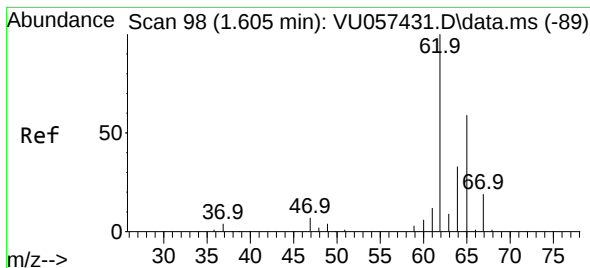
Tgt Ion: 85 Resp: 141725
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.8 38.6



#3
 Chloromethane
 Concen: 46.794 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057460.D
 Acq: 09 Jan 2024 23:27

Tgt Ion: 50 Resp: 88134
 Ion Ratio Lower Upper
 50 100
 52 34.3 23.7 43.9





#5

Vinyl chloride

Concen: 48.268 ug/L

RT: 1.605 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

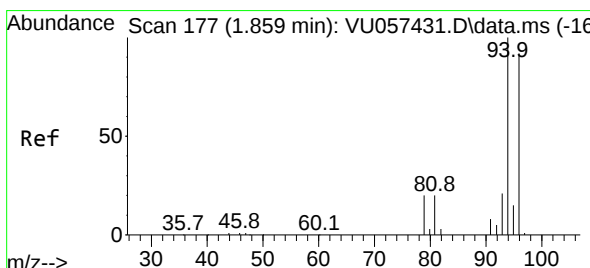
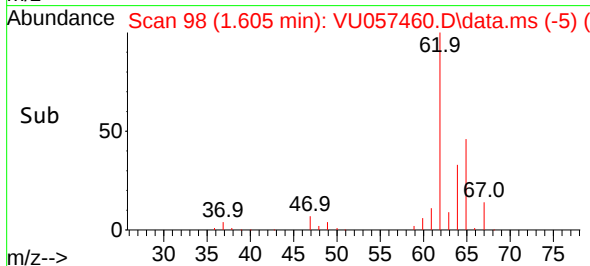
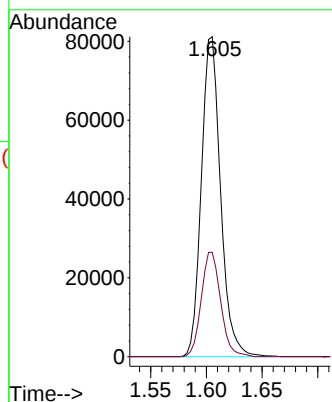
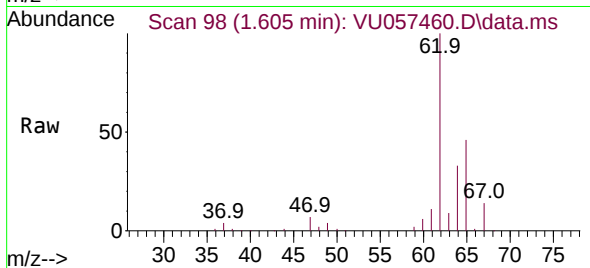
ClientSampleId :

Tgt Ion: 62 Resp: 97324

Ion Ratio Lower Upper

62 100

64 32.7 23.3 43.3



#6

Bromomethane

Concen: 47.074 ug/L

RT: 1.856 min Scan# 176

Delta R.T. -0.003 min

Lab File: VU057460.D

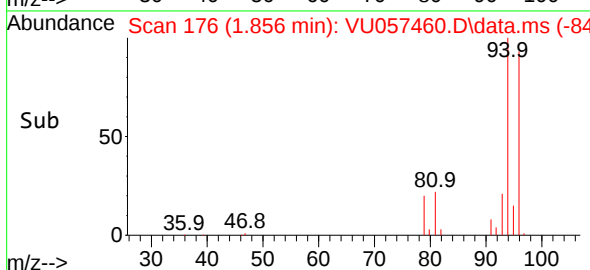
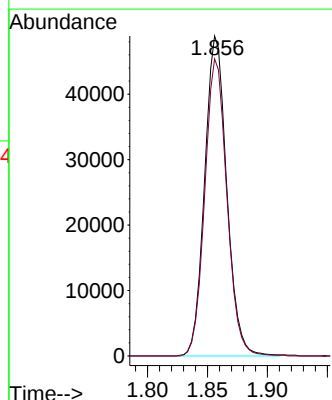
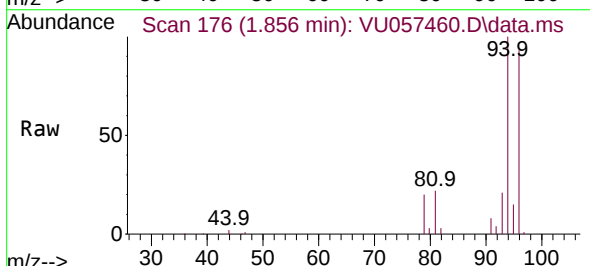
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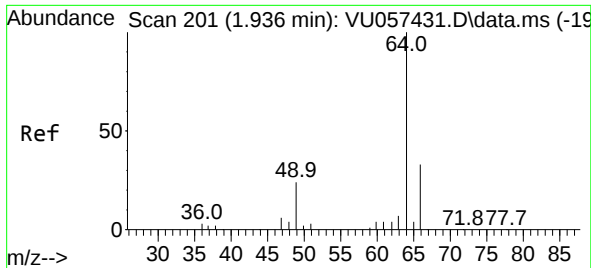
Tgt Ion: 94 Resp: 62823

Ion Ratio Lower Upper

94 100

96 92.9 65.9 122.5





#8

Chloroethane

Concen: 45.750 ug/L

RT: 1.933 min Scan# 20

Delta R.T. -0.003 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

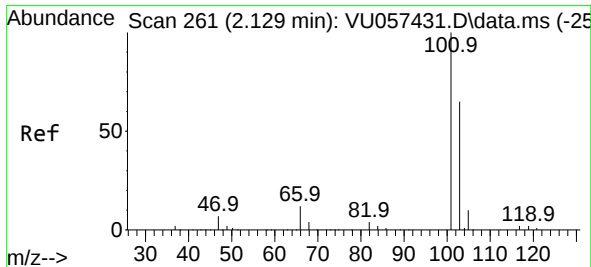
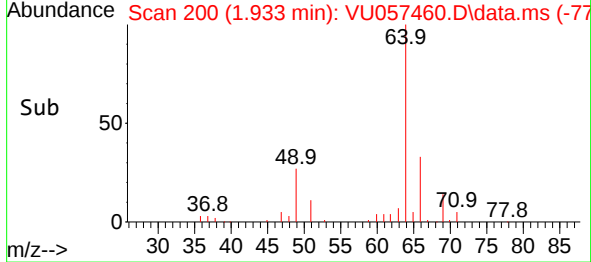
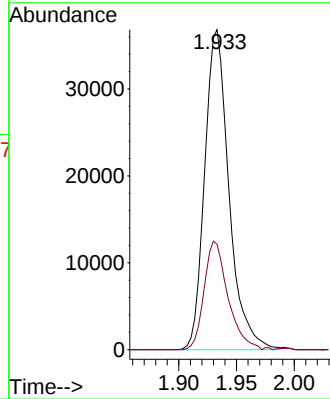
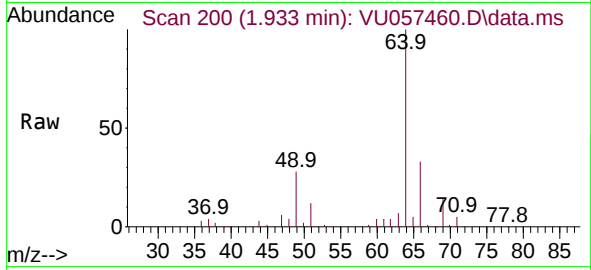
ClientSampleId :

Tgt Ion: 64 Resp: 53958

Ion Ratio Lower Upper

64 100

66 33.0 20.9 38.9



#9

Trichlorofluoromethane

Concen: 47.142 ug/L

RT: 2.129 min Scan# 261

Delta R.T. 0.000 min

Lab File: VU057460.D

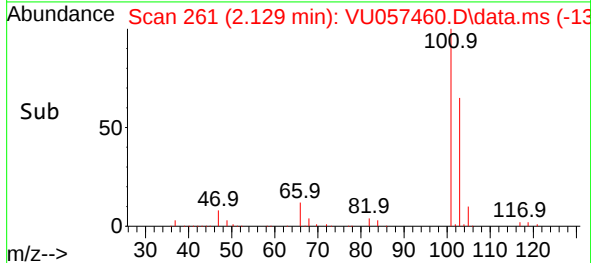
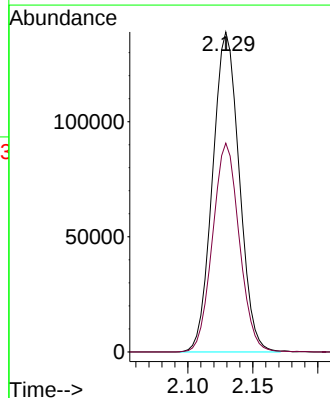
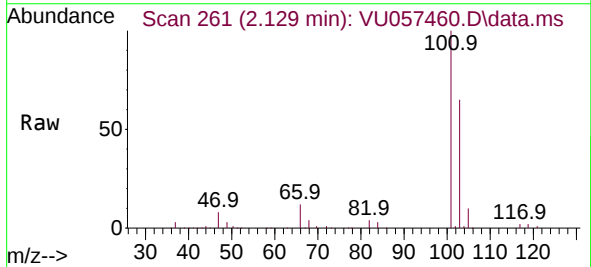
Acq: 09 Jan 2024 23:27

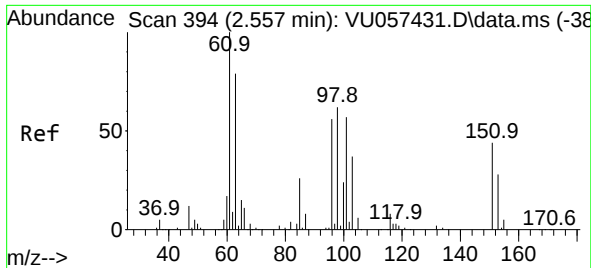
Tgt Ion:101 Resp: 198332

Ion Ratio Lower Upper

101 100

103 65.3 53.4 80.0

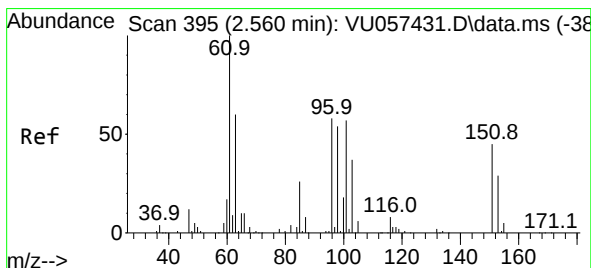
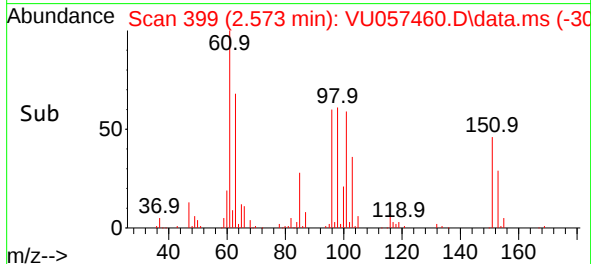
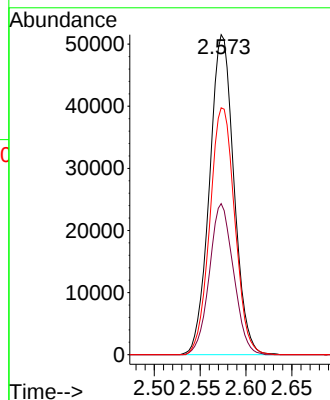
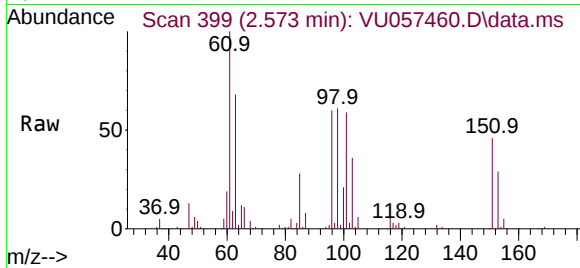




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.239 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.016 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

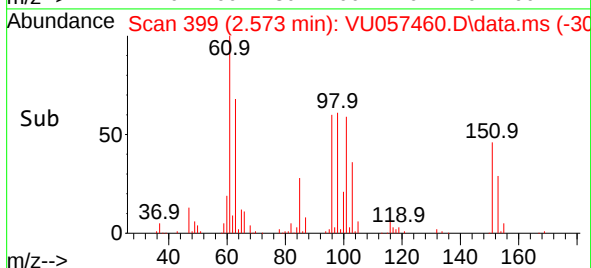
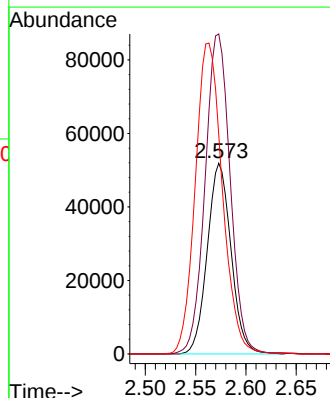
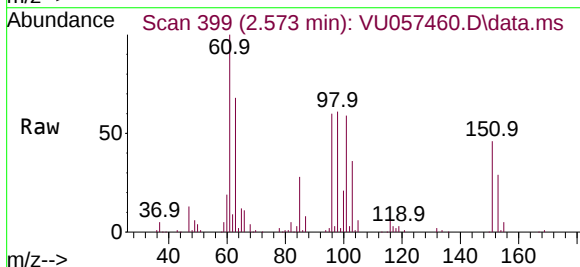
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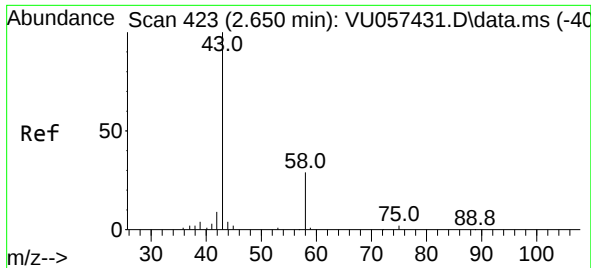
Tgt Ion:101 Resp: 95444
Ion Ratio Lower Upper
101 100
85 46.6 37.0 55.4
151 78.7 63.7 95.5



#12
1,1-Dichloroethene
Concen: 47.806 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.013 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

Tgt Ion: 96 Resp: 85228
Ion Ratio Lower Upper
96 100
61 167.7 128.3 238.3
63 114.9 90.4 168.0





#13

Acetone

Concen: 91.984 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.013 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

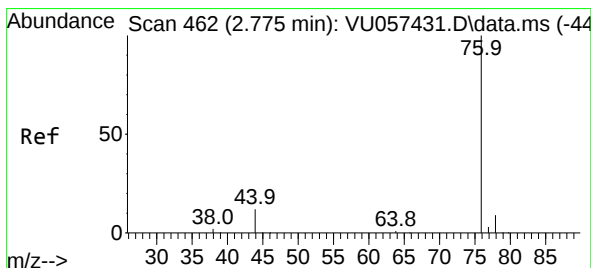
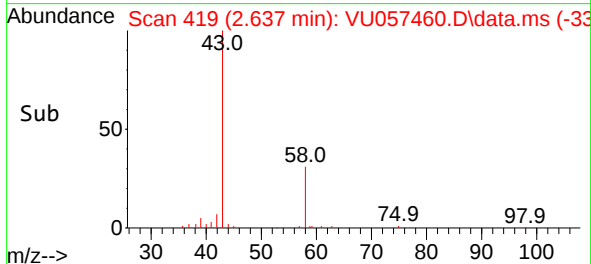
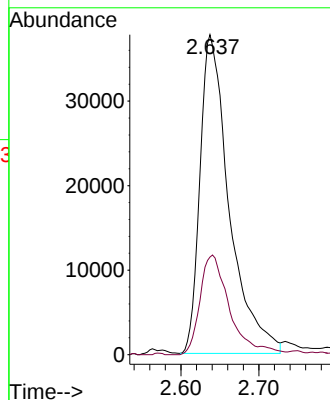
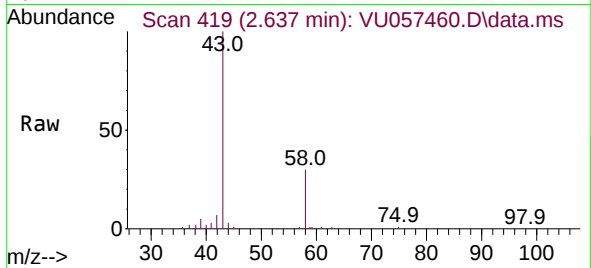
ClientSampleId :

Tgt Ion: 43 Resp: 98291

Ion Ratio Lower Upper

43 100

58 30.3 0.0 65.2



#14

Carbon disulfide

Concen: 46.635 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.013 min

Lab File: VU057460.D

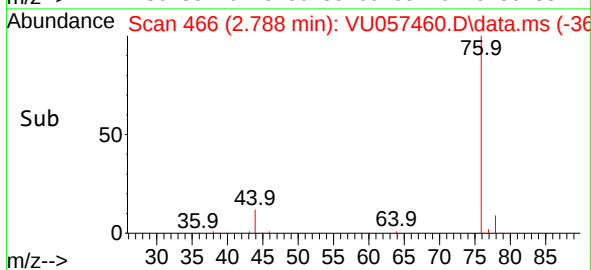
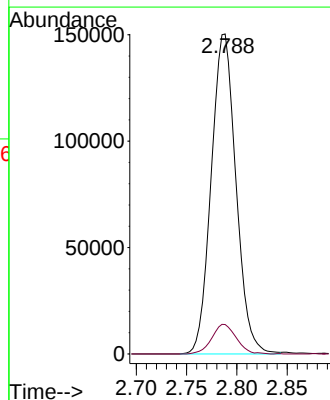
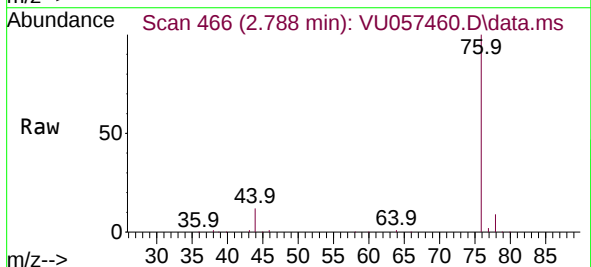
Acq: 09 Jan 2024 23:27

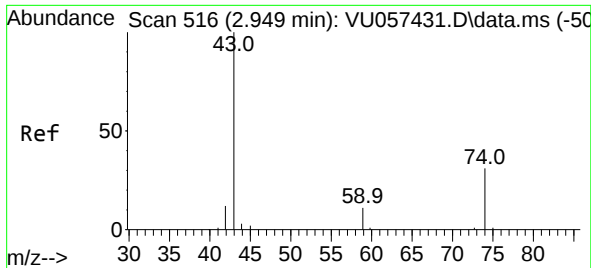
Tgt Ion: 76 Resp: 257511

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

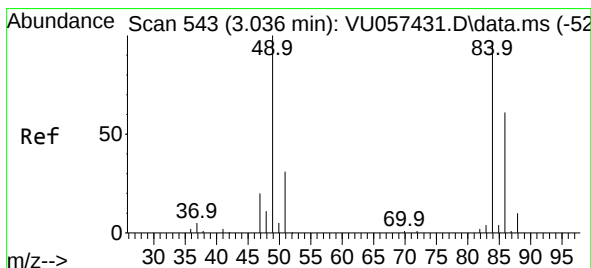
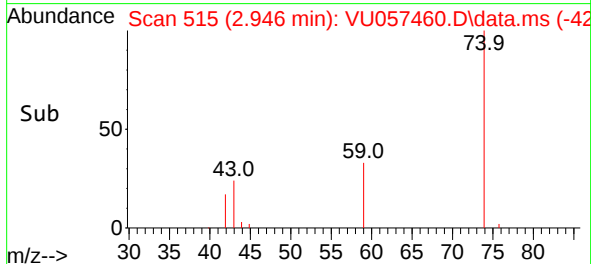
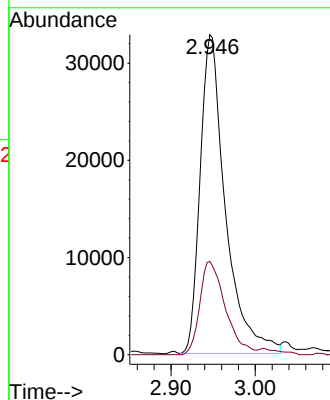
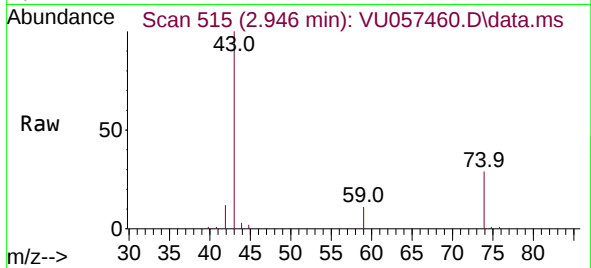




#15
Methyl Acetate
Concen: 49.223 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

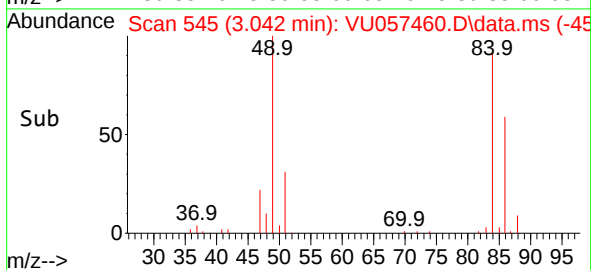
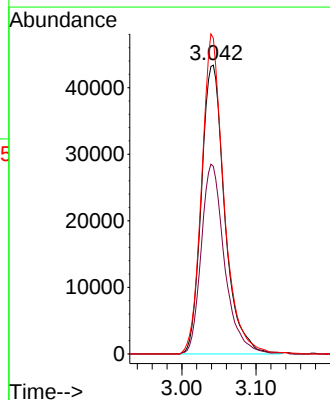
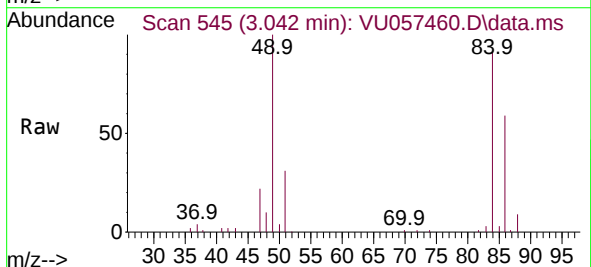
Instrument :
MSVOA_U
ClientSampleId :

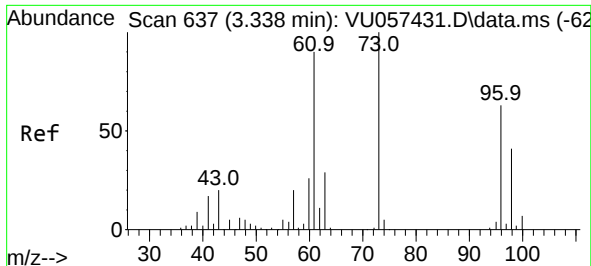
Tgt Ion: 43 Resp: 68617
Ion Ratio Lower Upper
43 100
74 29.4 24.6 36.8



#16
Methylene chloride
Concen: 46.658 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.007 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

Tgt Ion: 84 Resp: 94574
Ion Ratio Lower Upper
84 100
86 65.0 44.3 82.3
49 109.3 72.2 134.2

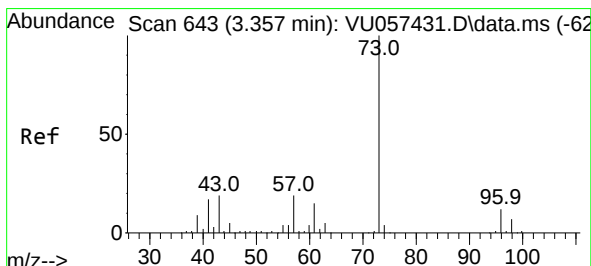
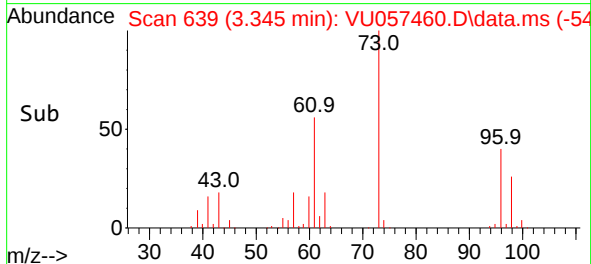
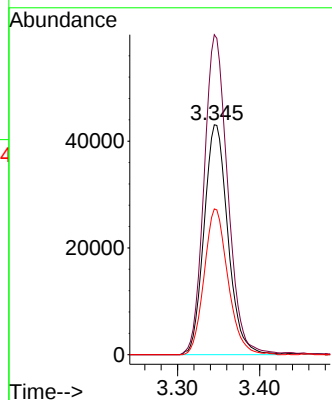
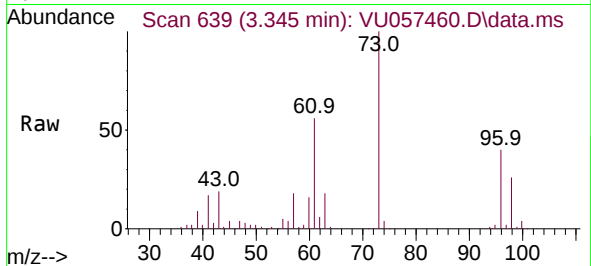




#17
trans-1,2-Dichloroethene
Concen: 47.840 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.007 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

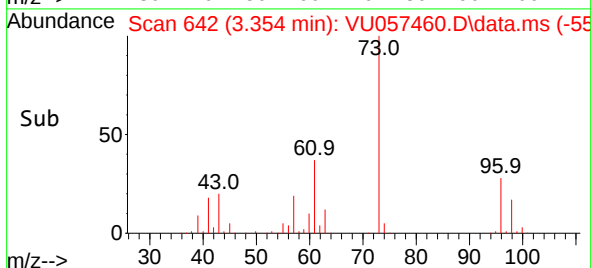
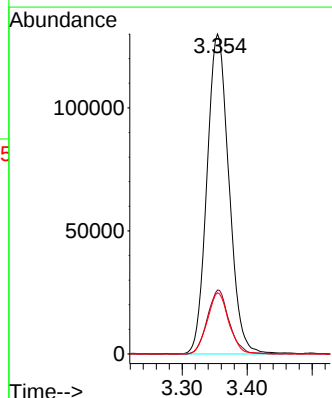
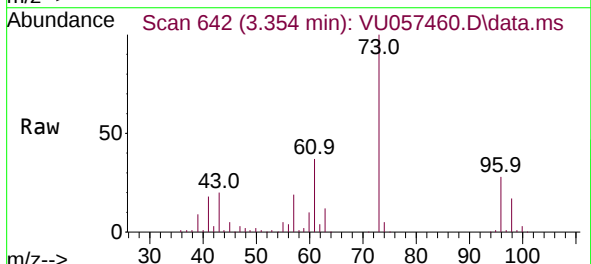
Instrument :
MSVOA_U
ClientSampleId :

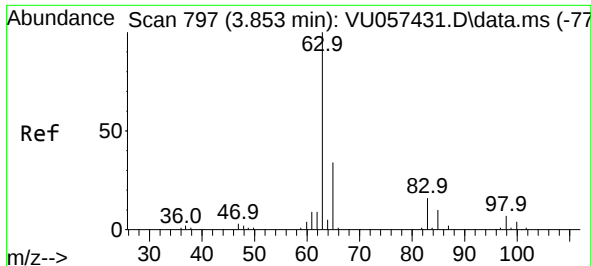
Tgt Ion: 96 Resp: 87253
Ion Ratio Lower Upper
96 100
61 139.2 93.9 174.5
98 63.4 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 52.338 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

Tgt Ion: 73 Resp: 305545
Ion Ratio Lower Upper
73 100
43 19.7 16.3 24.5
57 18.7 15.0 22.6





#19

1,1-Dichloroethane

Concen: 48.401 ug/L

RT: 3.859 min Scan# 79

Delta R.T. 0.007 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

ClientSampleId :

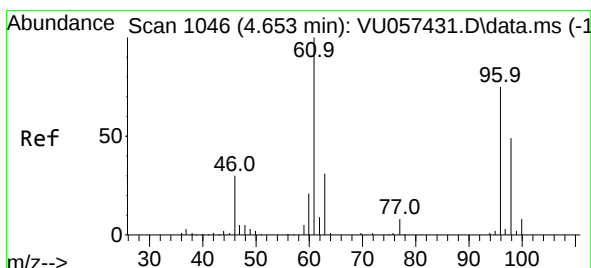
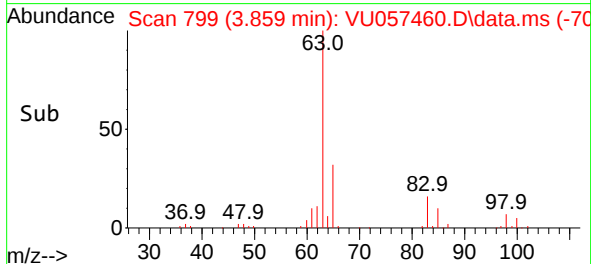
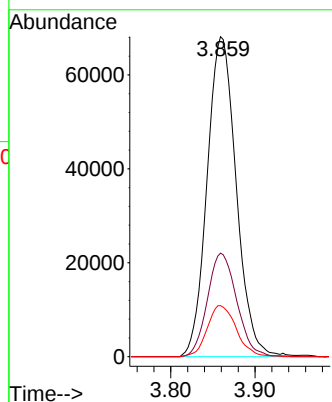
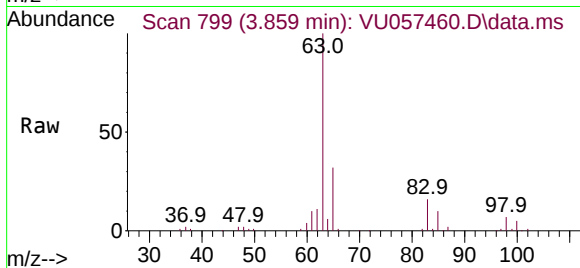
Tgt Ion: 63 Resp: 163426

Ion Ratio Lower Upper

63 100

65 32.4 22.4 41.6

83 16.0 11.3 21.1



#20

cis-1,2-Dichloroethene

Concen: 50.527 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.007 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

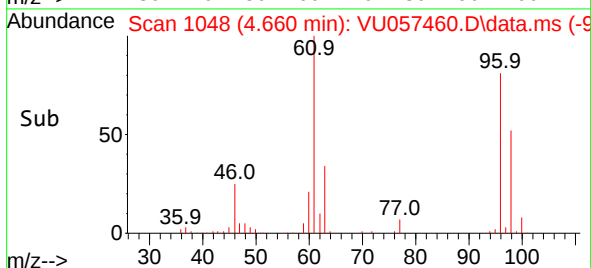
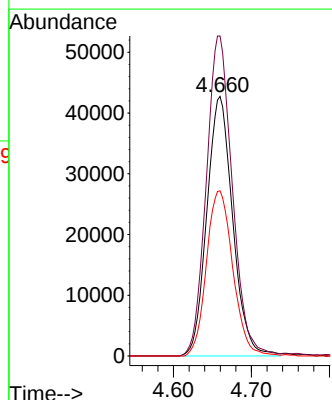
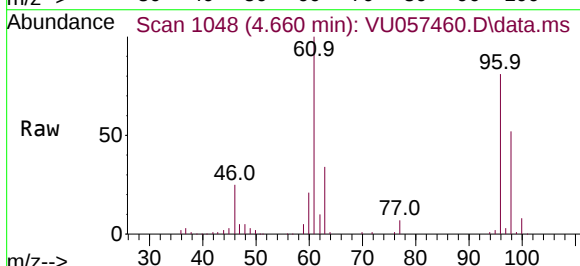
Tgt Ion: 96 Resp: 98576

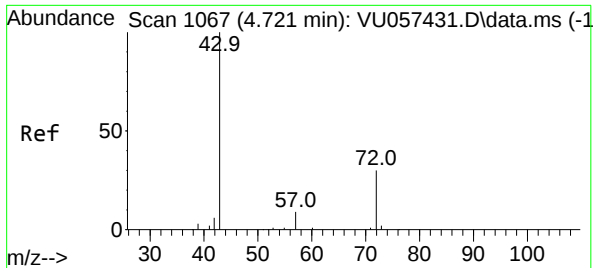
Ion Ratio Lower Upper

96 100

61 123.3 88.0 163.4

98 63.6 43.4 80.6





#22

2-Butanone

Concen: 101.207 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. -0.013 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

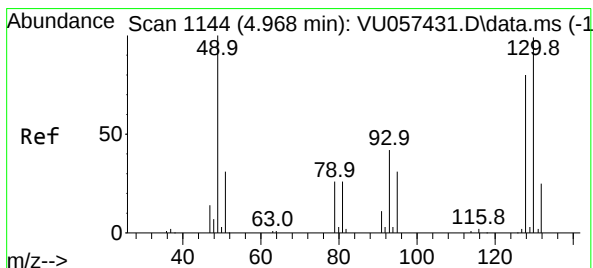
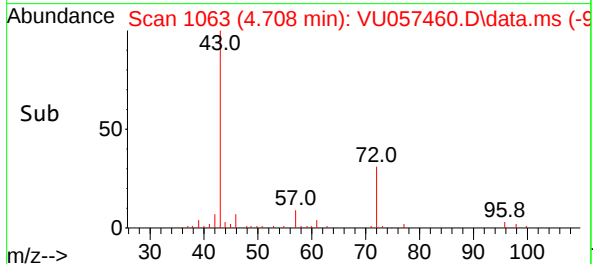
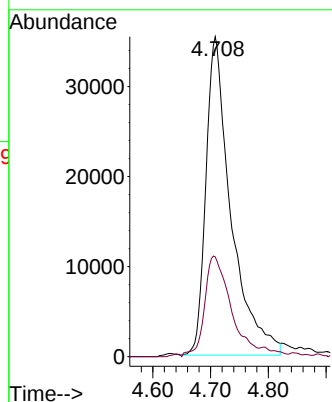
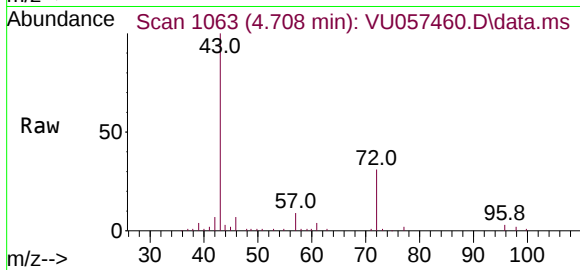
ClientSampleId :

Tgt Ion: 43 Resp: 106560

Ion Ratio Lower Upper

43 100

72 32.6 15.2 45.6



#23

Bromochloromethane

Concen: 47.813 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Tgt Ion:128 Resp: 53547

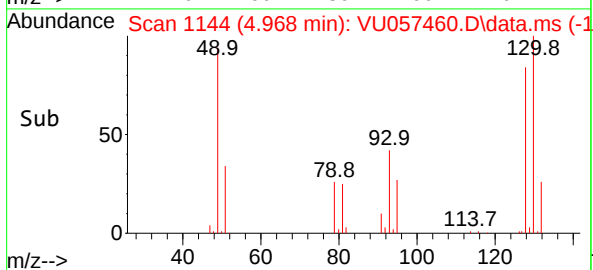
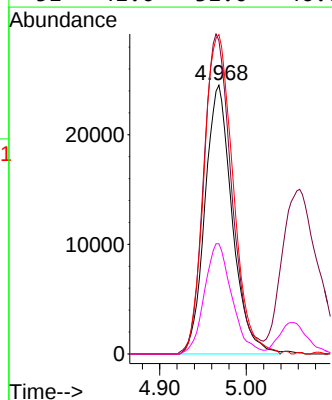
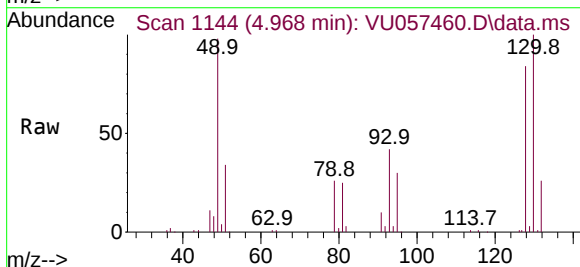
Ion Ratio Lower Upper

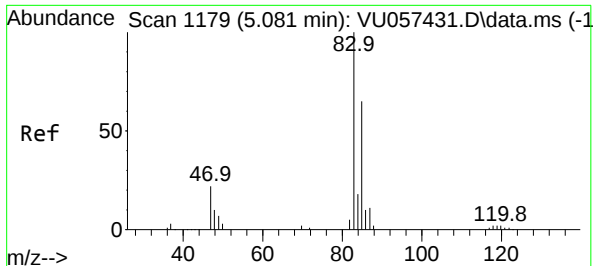
128 100

49 116.5 83.4 154.8

130 118.8 87.6 162.6

51 41.0 31.0 46.6





#25

Chloroform

Concen: 48.440 ug/L

RT: 5.078 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

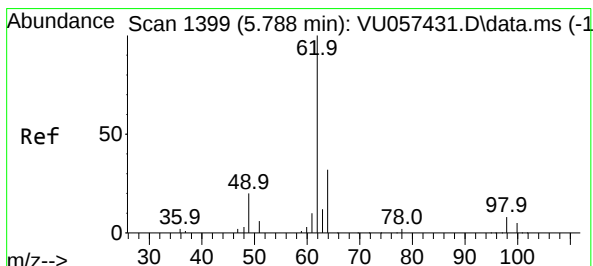
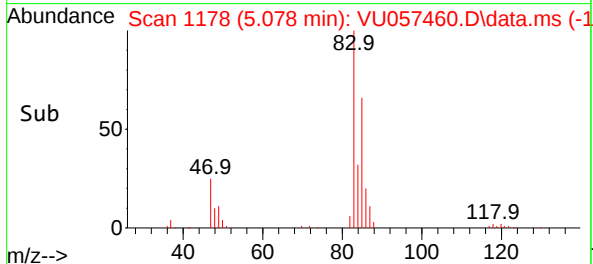
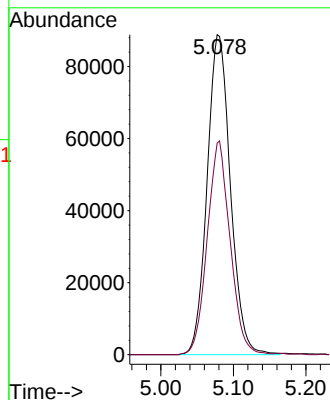
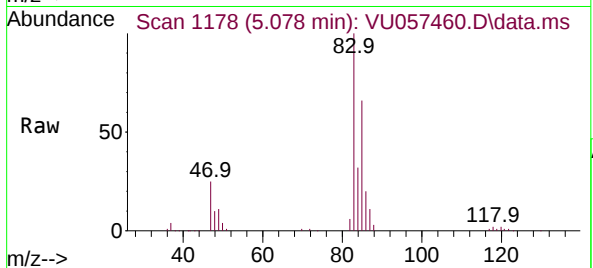
ClientSampleId :

Tgt Ion: 83 Resp: 198497

Ion Ratio Lower Upper

83 100

85 66.2 45.5 84.5



#27

1,2-Dichloroethane

Concen: 48.596 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU057460.D

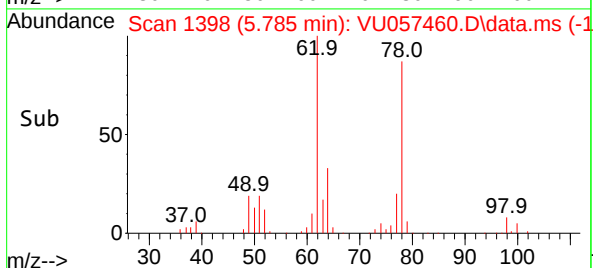
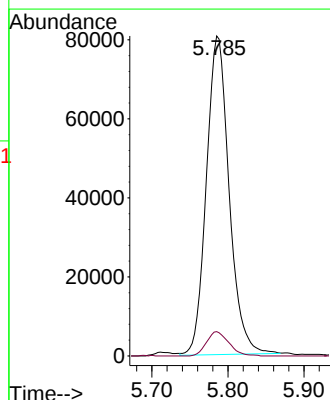
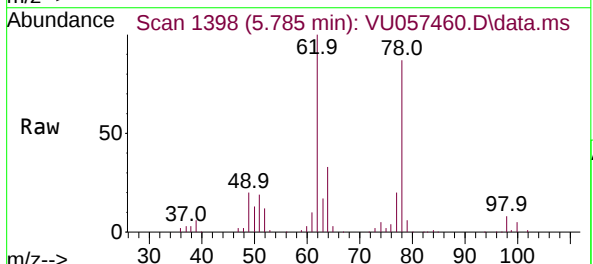
Acq: 09 Jan 2024 23:27

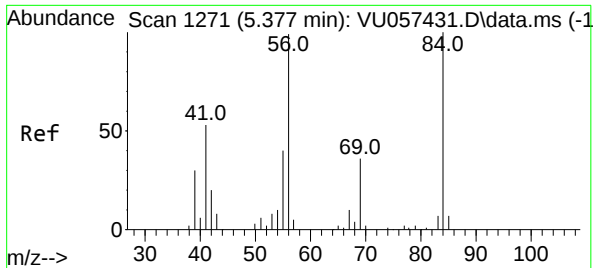
Tgt Ion: 62 Resp: 167743

Ion Ratio Lower Upper

62 100

98 7.6 6.1 9.1

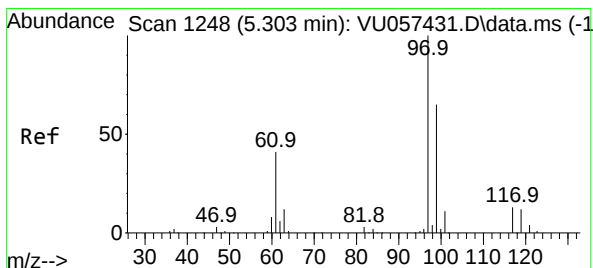
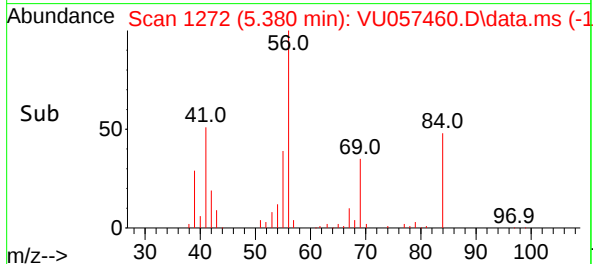
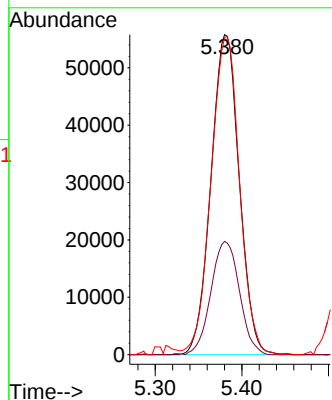
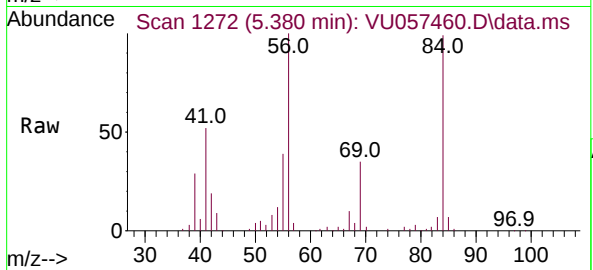




#29
Cyclohexane
Concen: 43.623 ug/L
RT: 5.380 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

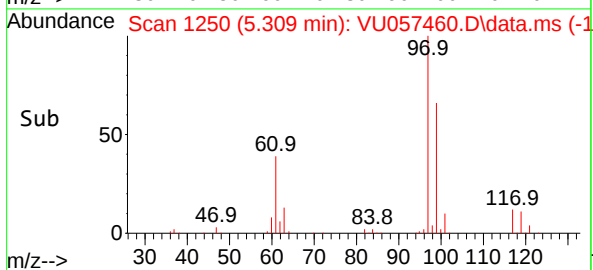
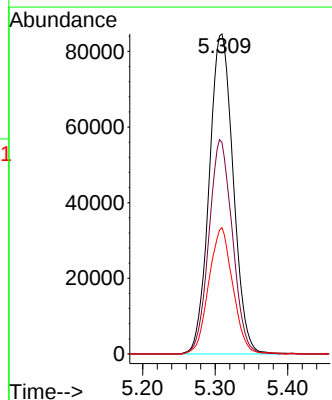
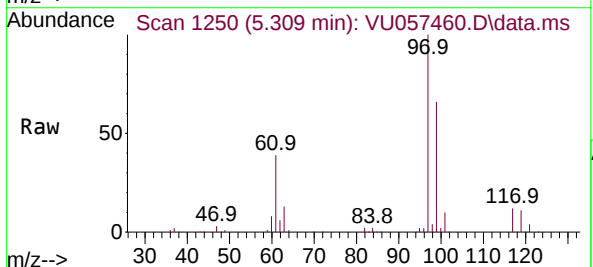
Instrument :
MSVOA_U
ClientSampleId :

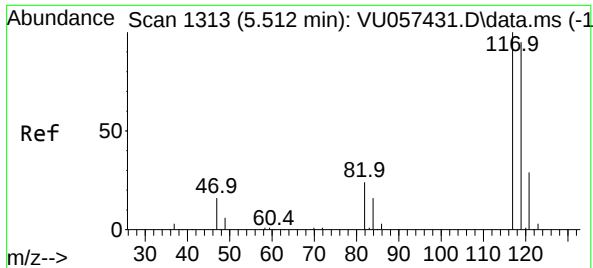
Tgt Ion: 56 Resp: 126622
Ion Ratio Lower Upper
56 100
69 35.7 27.8 41.8
84 100.2 79.3 118.9



#30
1,1,1-Trichloroethane
Concen: 41.289 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.007 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

Tgt Ion: 97 Resp: 194900
Ion Ratio Lower Upper
97 100
99 65.5 52.1 78.1
61 39.3 31.9 47.9

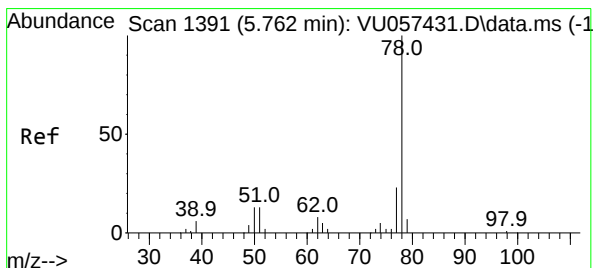
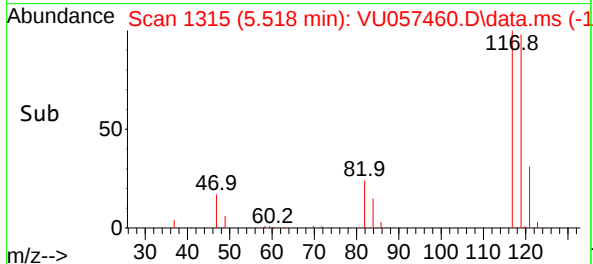
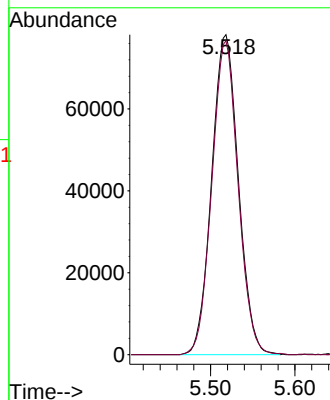
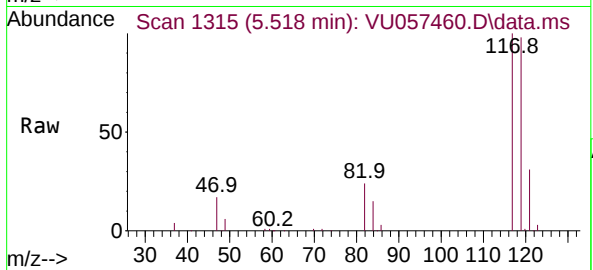




#31
Carbon tetrachloride
Concen: 41.123 ug/L
RT: 5.518 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

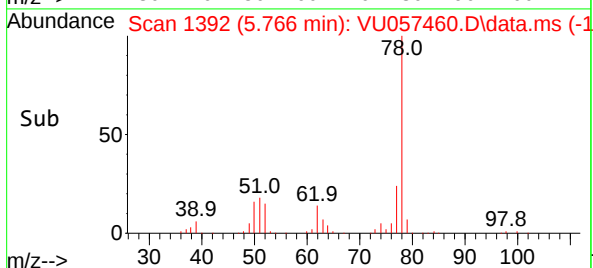
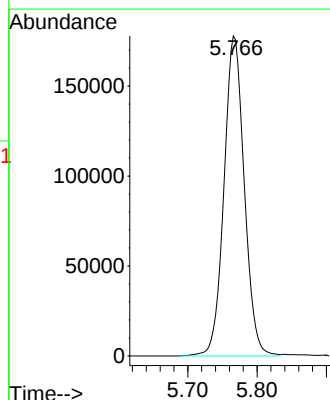
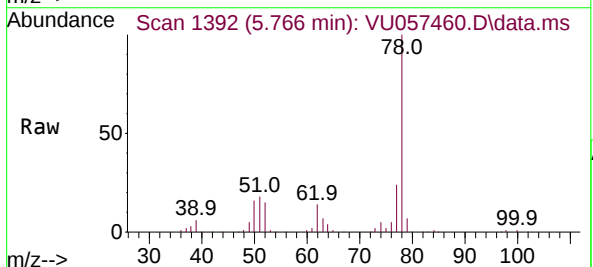
Instrument :
MSVOA_U
ClientSampleId :

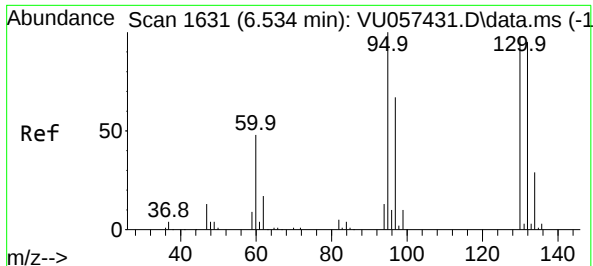
Tgt Ion:117 Resp: 172169
Ion Ratio Lower Upper
117 100
119 96.1 76.5 114.7



#33
Benzene
Concen: 42.060 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

Tgt Ion: 78 Resp: 362643

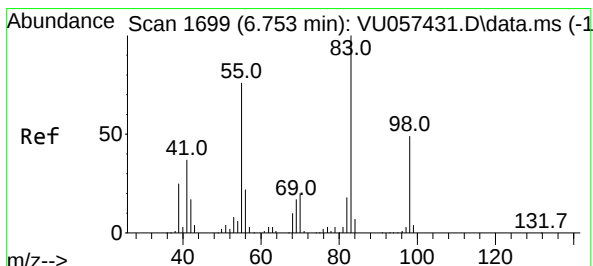
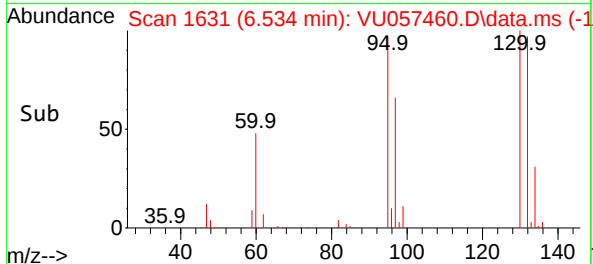
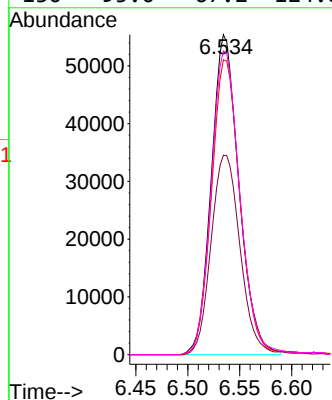
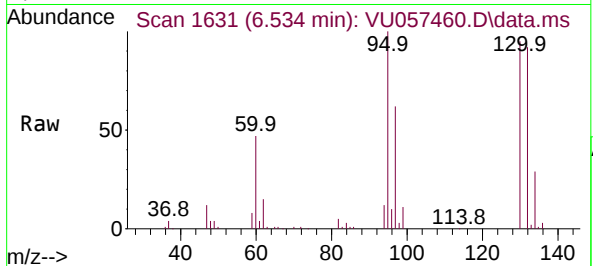




#34
Trichloroethene
Concen: 40.864 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

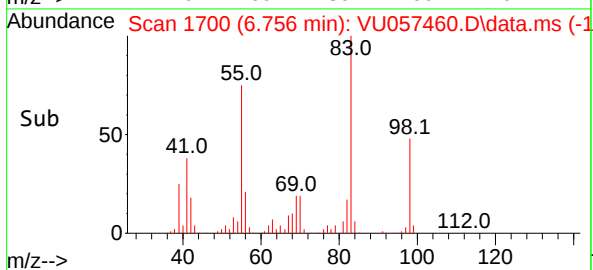
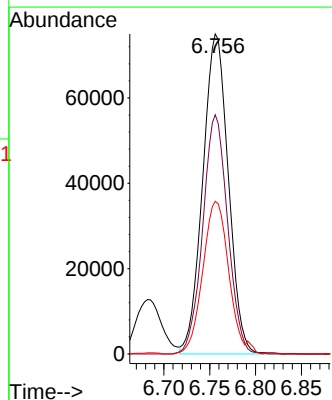
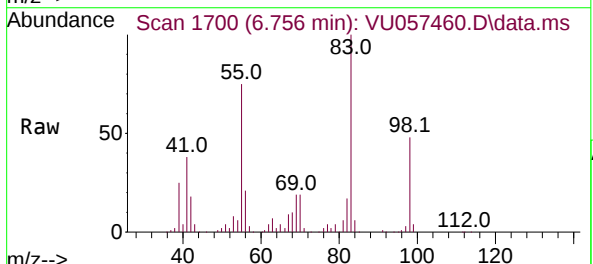
Instrument :
MSVOA_U
ClientSampleId :

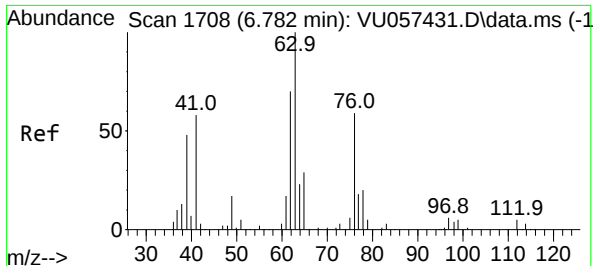
Tgt Ion: 95 Resp: 102865
Ion Ratio Lower Upper
95 100
97 62.3 46.2 85.8
132 92.1 64.3 119.5
130 95.0 67.2 124.8



#35
Methylcyclohexane
Concen: 42.526 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.003 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

Tgt Ion: 83 Resp: 145641
Ion Ratio Lower Upper
83 100
55 72.6 58.0 87.0
98 47.7 36.6 55.0





#37

1,2-Dichloropropane

Concen: 41.249 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

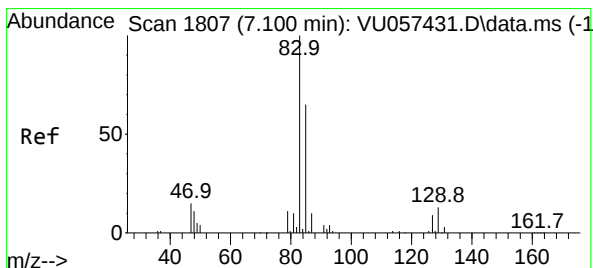
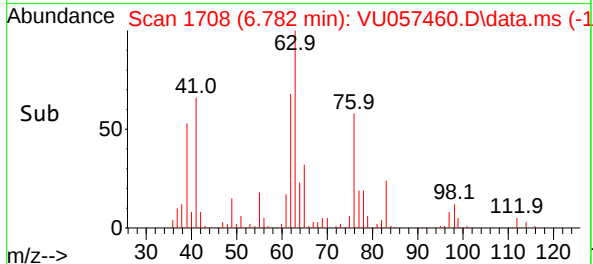
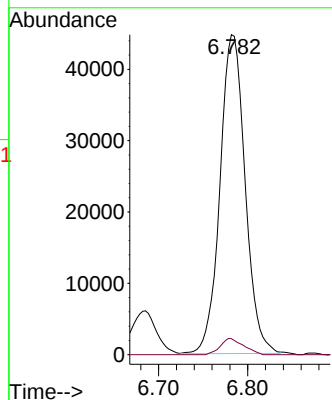
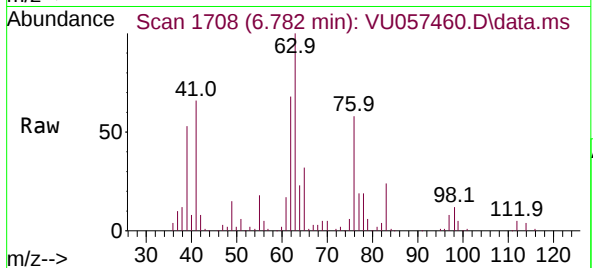
ClientSampleId :

Tgt Ion: 63 Resp: 87763

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



#38

Bromodichloromethane

Concen: 40.916 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

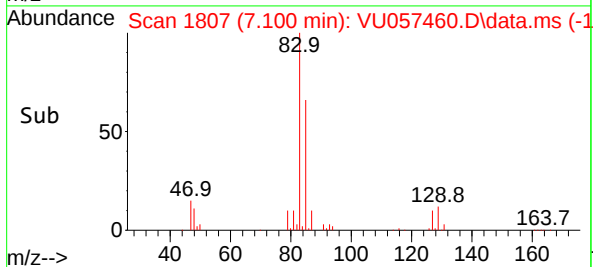
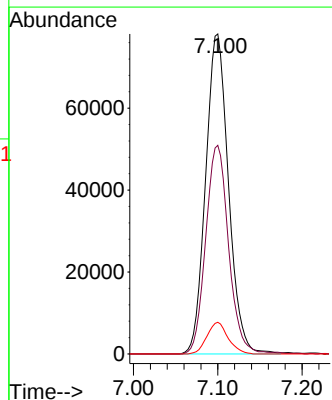
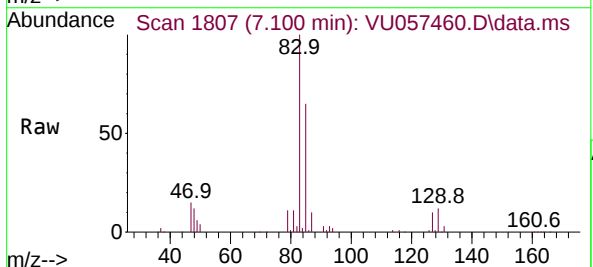
Tgt Ion: 83 Resp: 147474

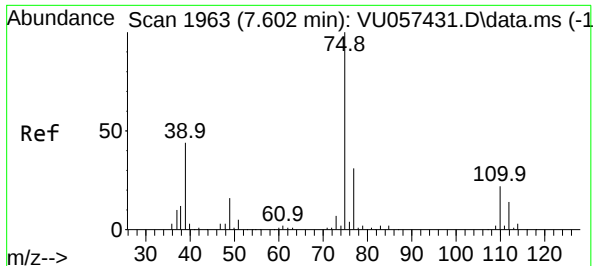
Ion Ratio Lower Upper

83 100

85 65.2 44.7 83.1

127 9.9 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 44.978 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

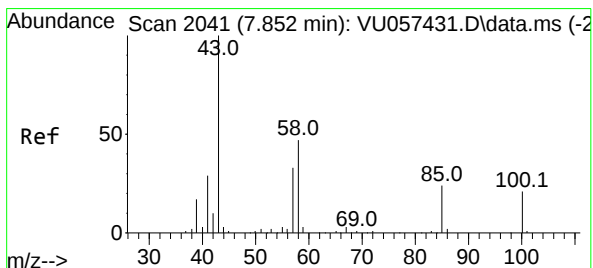
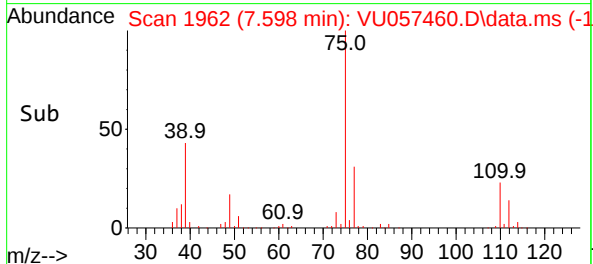
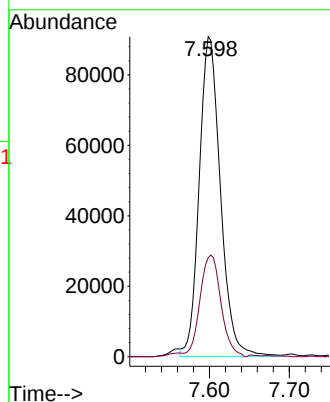
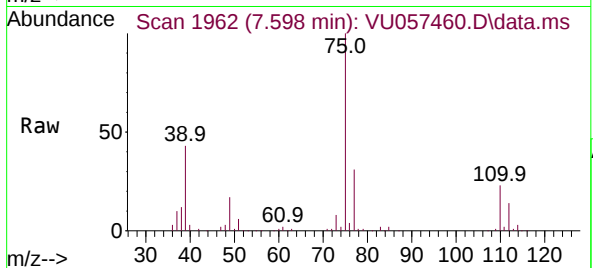
ClientSampleId :

Tgt Ion: 75 Resp: 167574

Ion Ratio Lower Upper

75 100

77 30.9 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 91.091 ug/L

RT: 7.795 min Scan# 2023

Delta R.T. -0.058 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

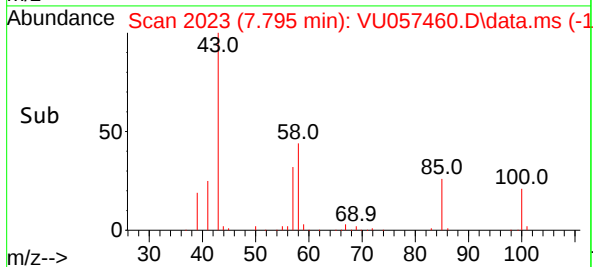
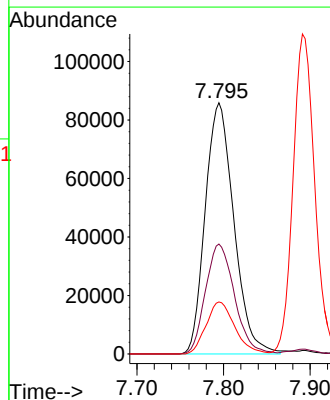
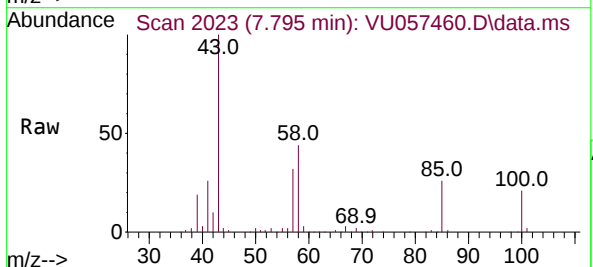
Tgt Ion: 43 Resp: 197473

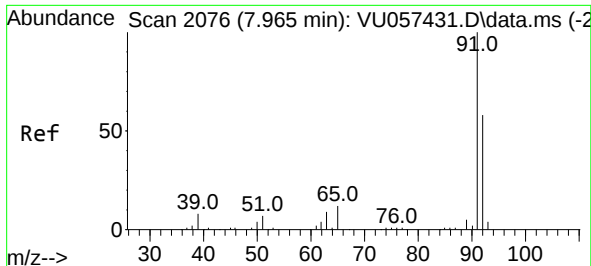
Ion Ratio Lower Upper

43 100

58 44.2 36.2 54.4

100 20.7 16.6 24.8

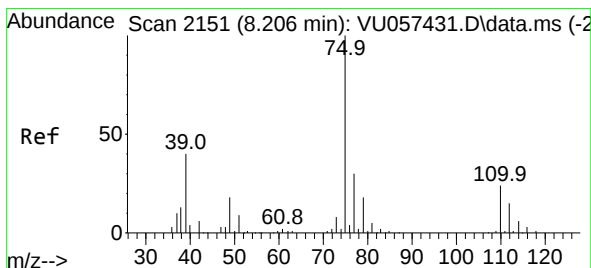
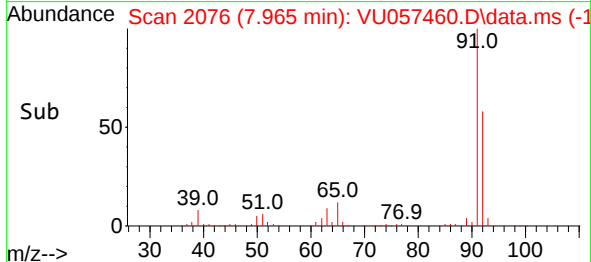
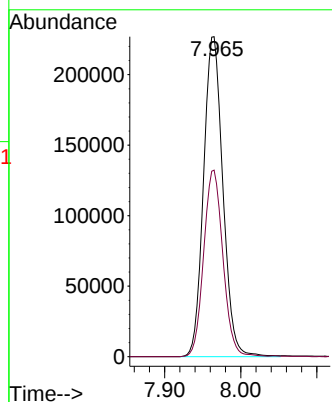
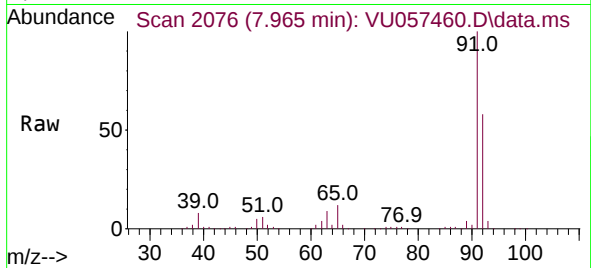




#42
Toluene
Concen: 43.283 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

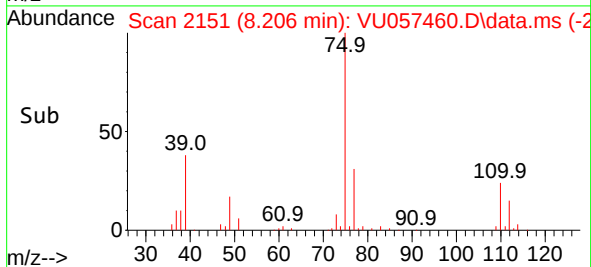
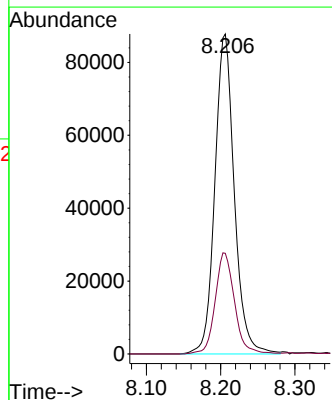
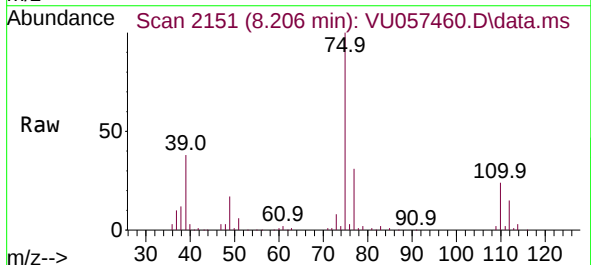
Instrument :
MSVOA_U
ClientSampleId :

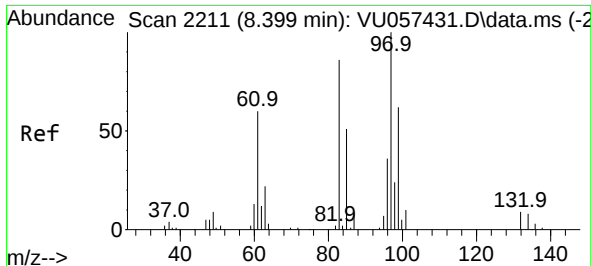
Tgt Ion: 91 Resp: 401287
Ion Ratio Lower Upper
91 100
92 58.3 40.3 74.9



#44
trans-1,3-Dichloropropene
Concen: 42.670 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. 0.000 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

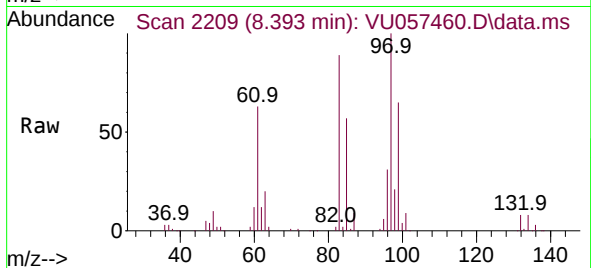
Tgt Ion: 75 Resp: 159601
Ion Ratio Lower Upper
75 100
77 31.5 21.3 39.5



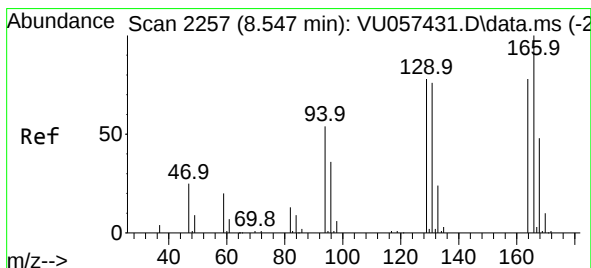
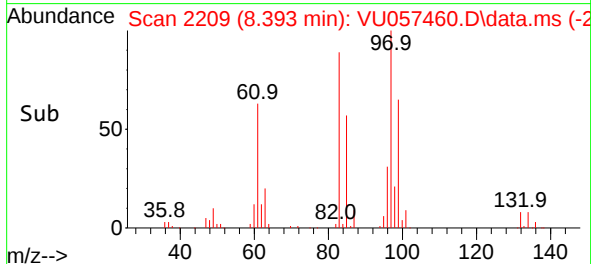
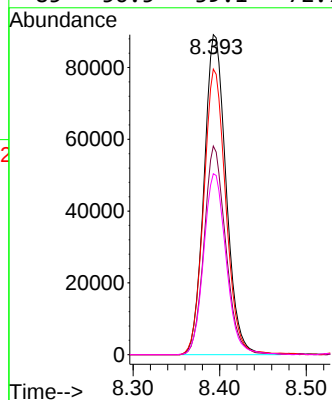


#45
1,1,2-Trichloroethane
Concen: 67.404 ug/L
RT: 8.393 min Scan# 211
Delta R.T. -0.006 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

Instrument :
MSVOA_U
ClientSampleId :

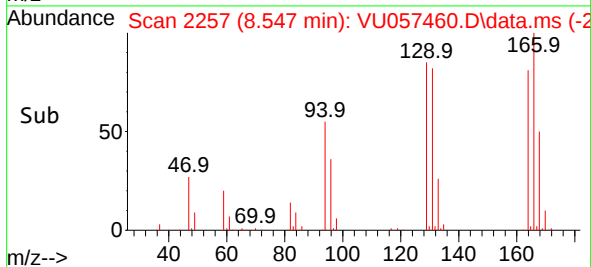
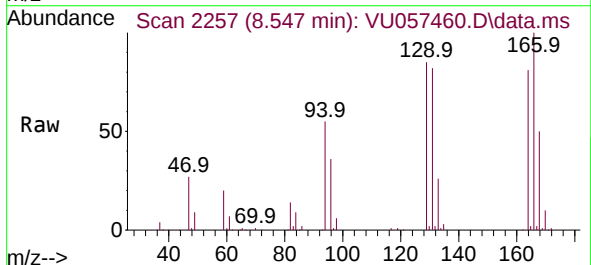
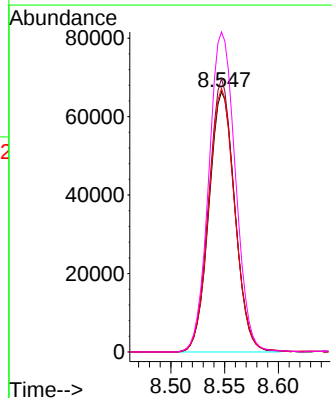


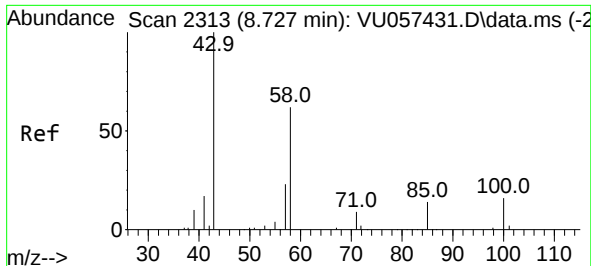
Tgt Ion:	97	Resp:	157796
Ion	Ratio	Lower	Upper
97	100		
99	65.2	43.3	80.5
83	89.3	56.9	105.7
85	56.5	39.1	72.7



#46
Tetrachloroethene
Concen: 58.912 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

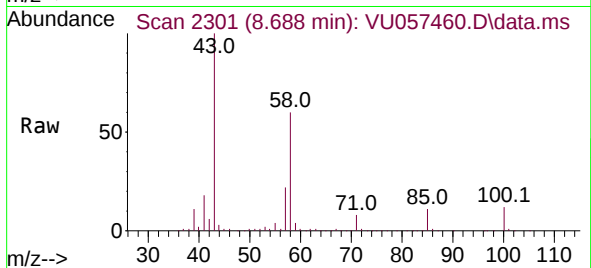
Tgt Ion:	164	Resp:	112178
Ion	Ratio	Lower	Upper
164	100		
129	105.0	72.3	134.3
131	101.3	68.8	127.8
166	122.9	91.8	170.4



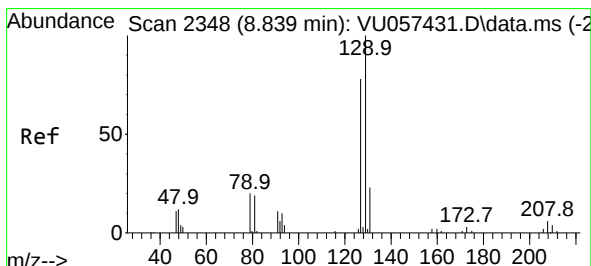
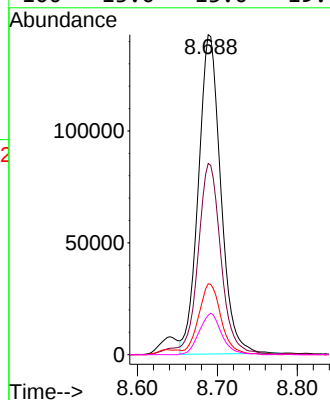
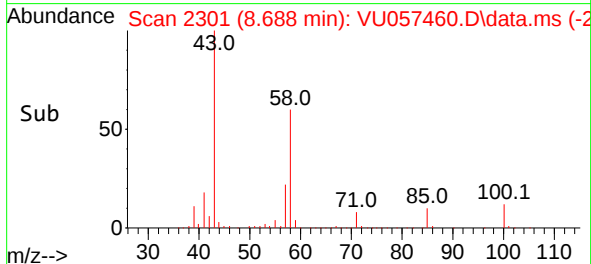


#48
2-Hexanone
Concen: 159.236 ug/L
RT: 8.688 min Scan# 21
Delta R.T. -0.038 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

Instrument :
MSVOA_U
ClientSampleId :

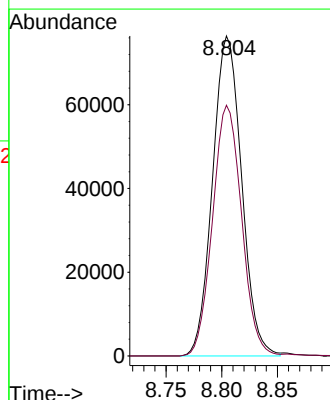
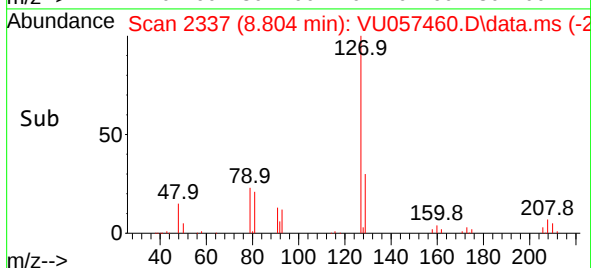
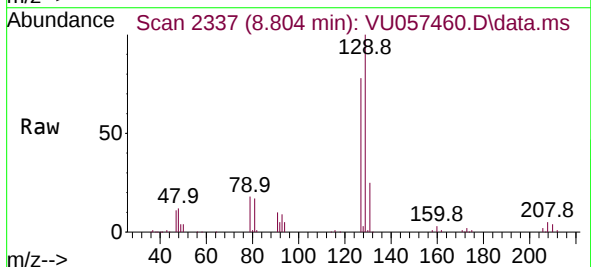


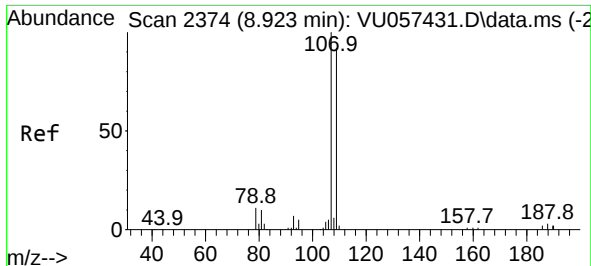
Tgt Ion: 43 Resp: 277727
Ion Ratio Lower Upper
43 100
58 62.5 49.4 74.2
57 22.5 19.1 28.7
100 13.0 13.0 19.6#



#49
Dibromochloromethane
Concen: 48.659 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.035 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

Tgt Ion: 129 Resp: 138822
Ion Ratio Lower Upper
129 100
127 78.3 54.5 101.1





#50

1,2-Dibromoethane

Concen: 54.910 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

ClientSampleId :

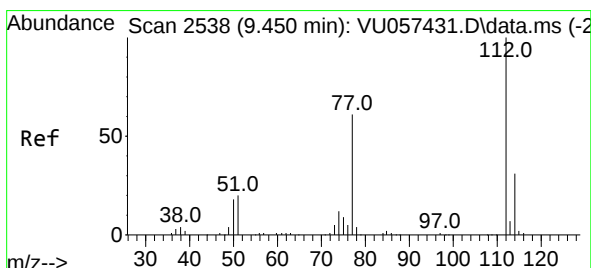
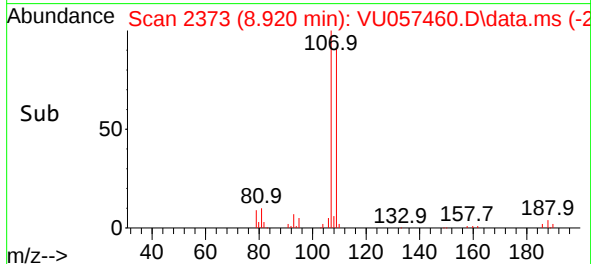
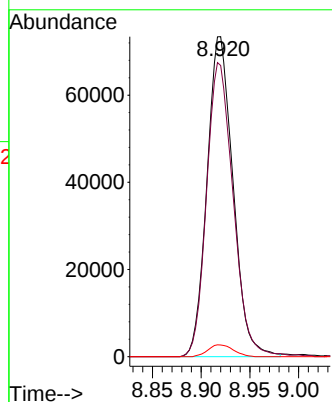
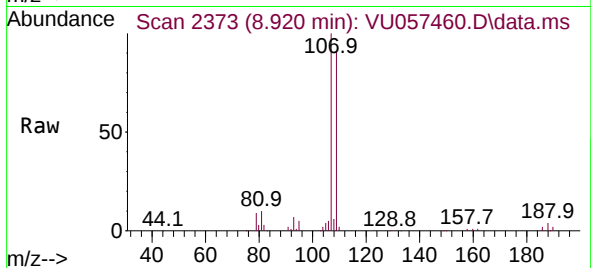
Tgt Ion:107 Resp: 136354

Ion Ratio Lower Upper

107 100

109 91.0 64.4 119.6

188 3.8 2.8 4.2



#51

Chlorobenzene

Concen: 42.617 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.010 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

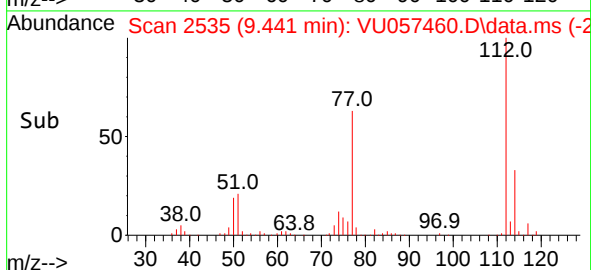
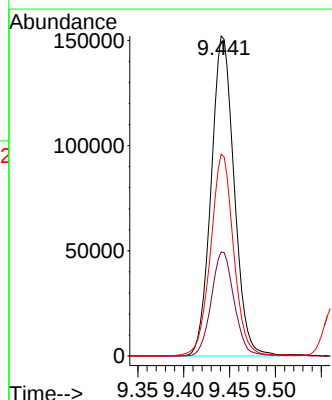
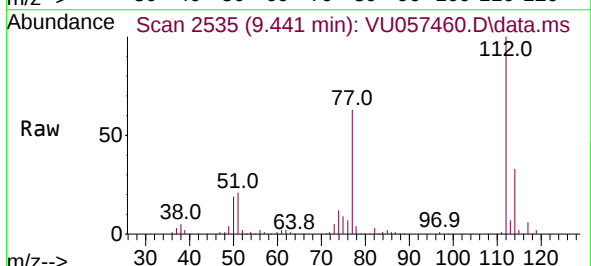
Tgt Ion:112 Resp: 265485

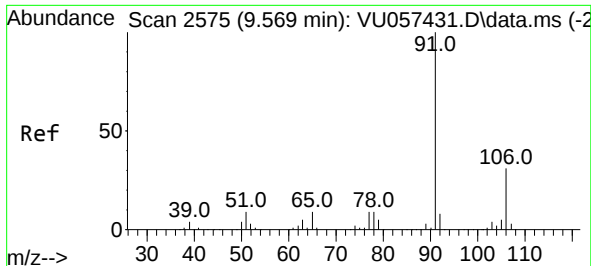
Ion Ratio Lower Upper

112 100

114 32.5 22.5 41.7

77 63.0 50.1 75.1





#52

Ethylbenzene

Concen: 43.881 ug/L

RT: 9.566 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

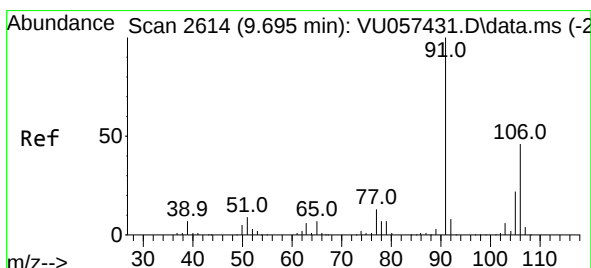
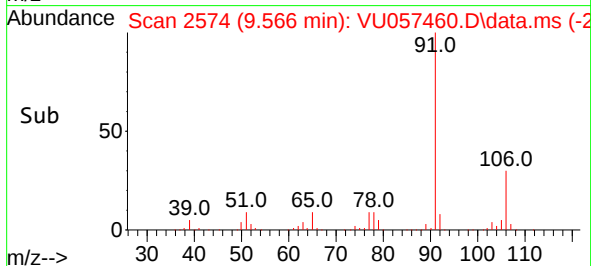
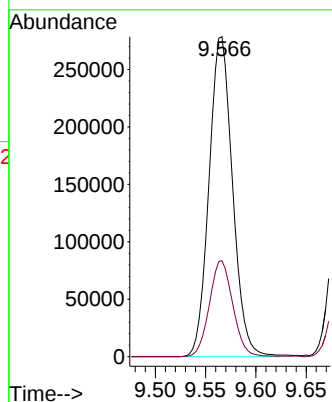
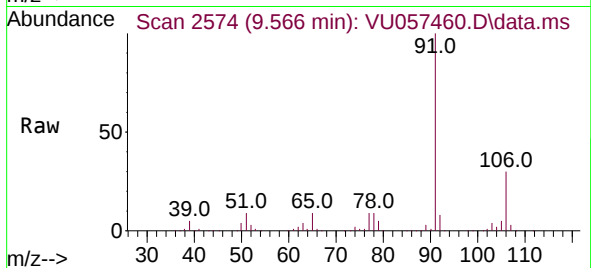
ClientSampleId :

Tgt Ion: 91 Resp: 453024

Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



#53

m,p-Xylene

Concen: 44.512 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.006 min

Lab File: VU057460.D

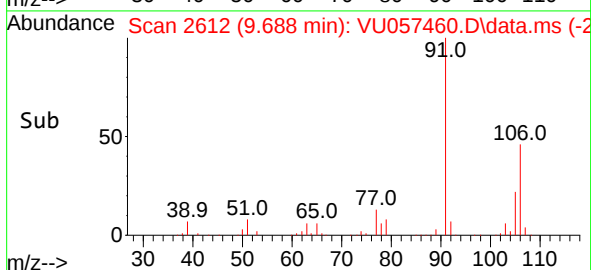
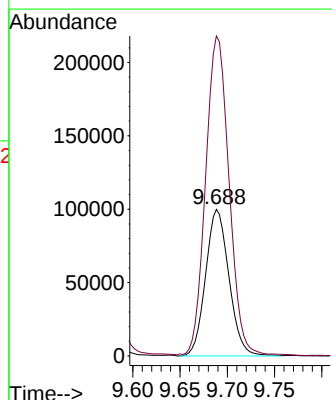
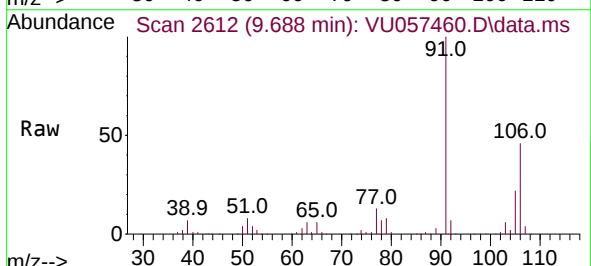
Acq: 09 Jan 2024 23:27

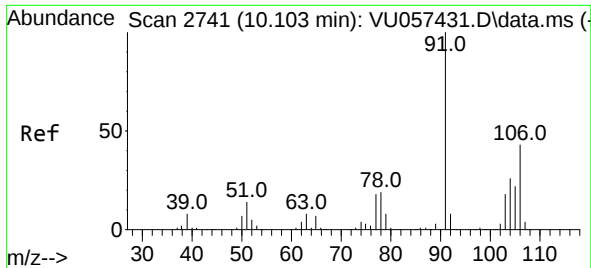
Tgt Ion:106 Resp: 171785

Ion Ratio Lower Upper

106 100

91 218.2 151.8 281.8

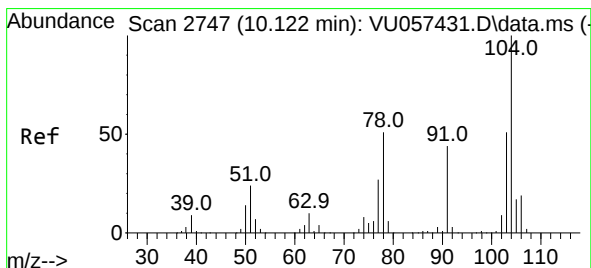
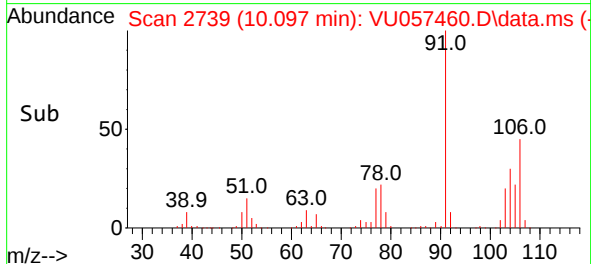
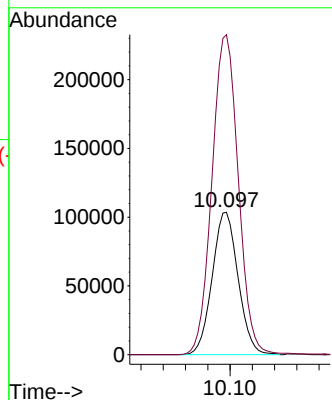
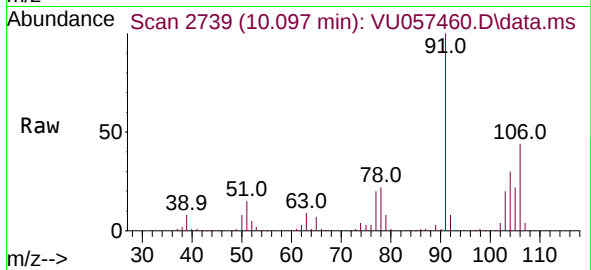




#54
o-Xylene
Concen: 44.390 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.006 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

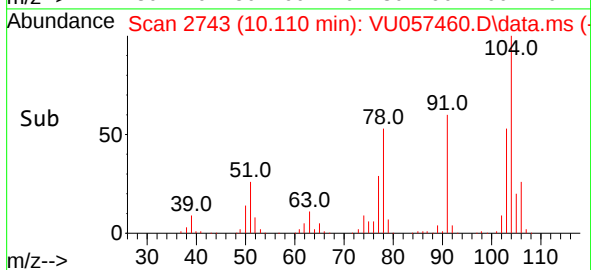
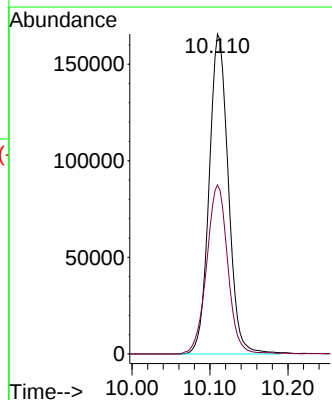
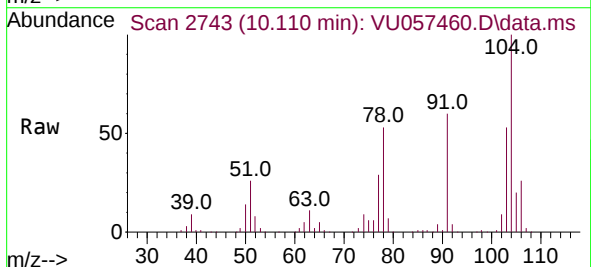
Instrument :
MSVOA_U
ClientSampleId :

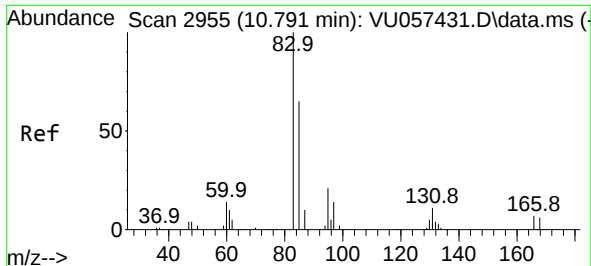
Tgt Ion:106 Resp: 167304
Ion Ratio Lower Upper
106 100
91 224.8 160.4 297.8



#55
Styrene
Concen: 44.416 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.013 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

Tgt Ion:104 Resp: 283472
Ion Ratio Lower Upper
104 100
78 52.8 35.8 66.6





#57

1,1,2,2-Tetrachloroethane

Concen: 41.579 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.013 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

ClientSampleId :

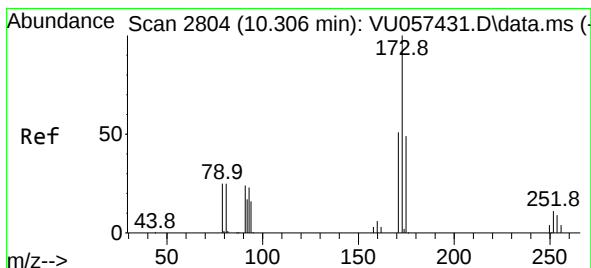
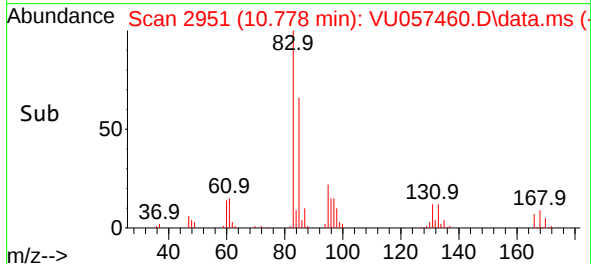
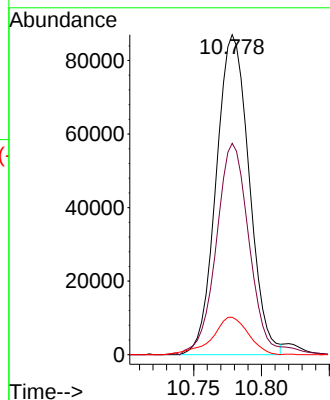
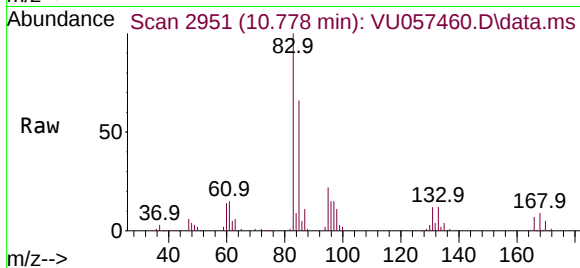
Tgt Ion: 83 Resp: 146775

Ion Ratio Lower Upper

83 100

85 66.1 47.9 88.9

131 11.7 9.8 14.8



#59

Bromoform

Concen: 36.813 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. -0.016 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

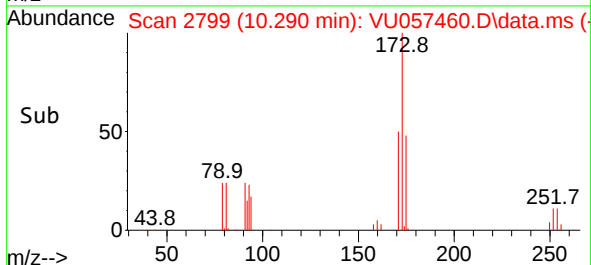
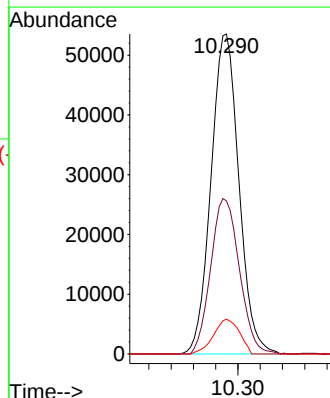
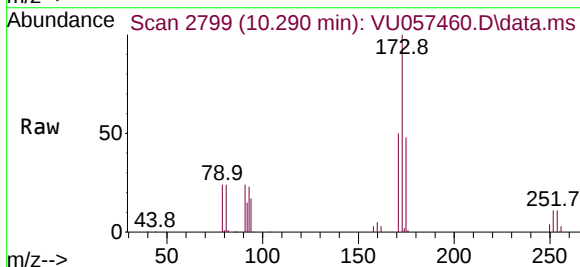
Tgt Ion:173 Resp: 93071

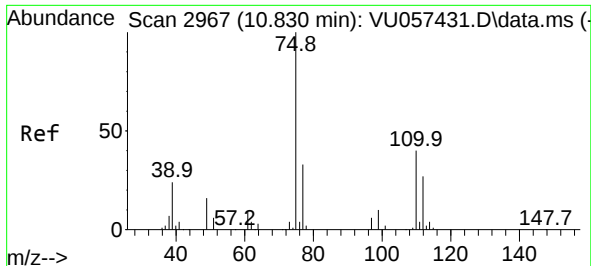
Ion Ratio Lower Upper

173 100

175 49.9 38.4 57.6

254 10.1 7.9 11.9

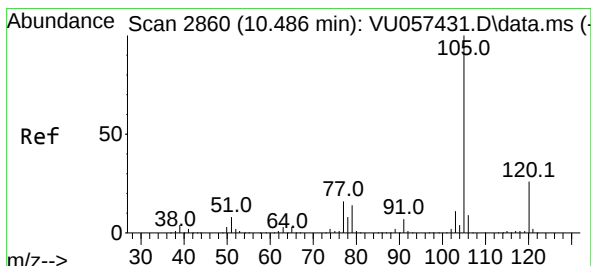
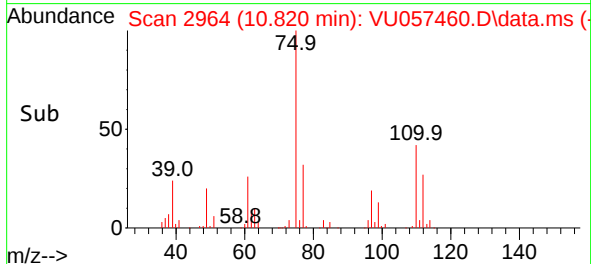
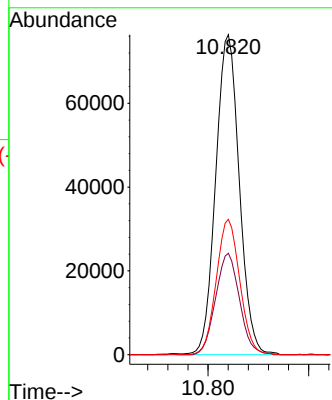
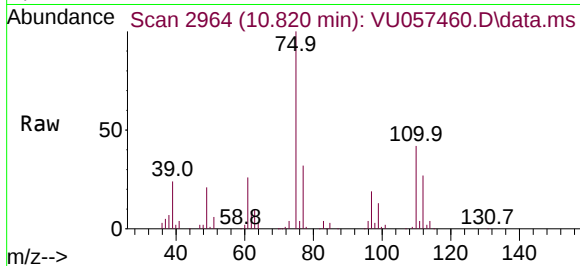




#60
1,2,3-Trichloropropane
Concen: 37.690 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.010 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

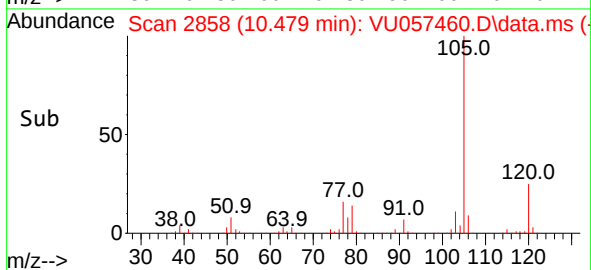
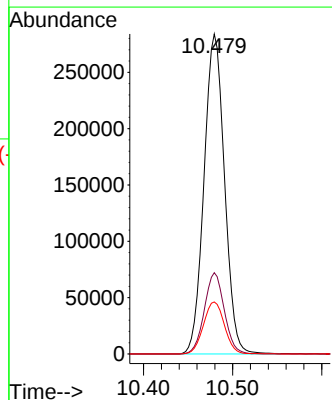
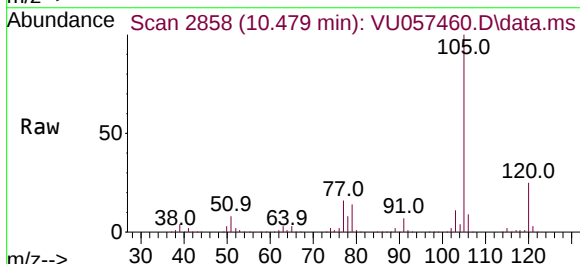
Instrument :
MSVOA_U
ClientSampleId :

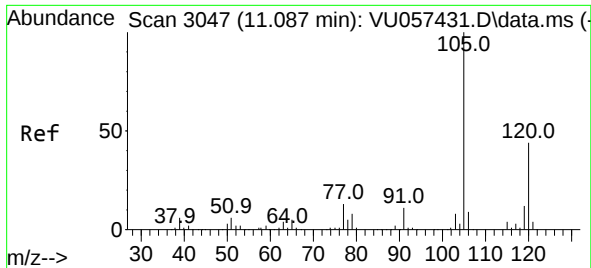
Tgt Ion: 75 Resp: 124477
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
110 42.2 33.6 50.4



#61
Isopropylbenzene
Concen: 39.747 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.006 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

Tgt Ion: 105 Resp: 453868
Ion Ratio Lower Upper
105 100
120 24.7 19.9 29.9
77 16.7 13.3 19.9

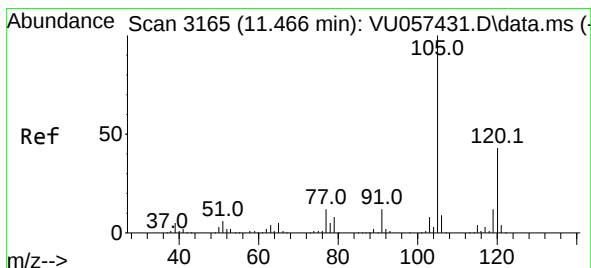
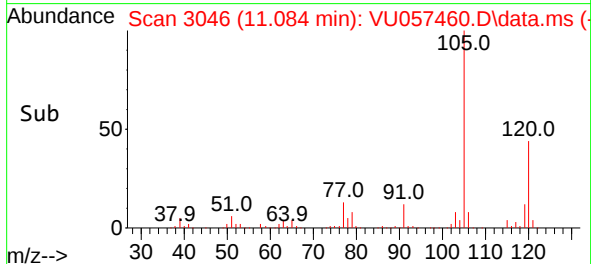
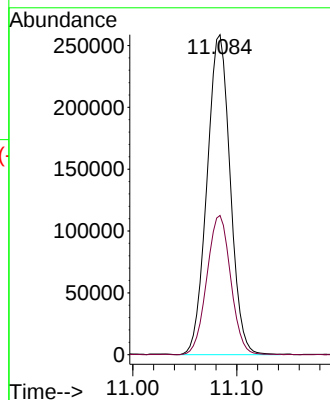
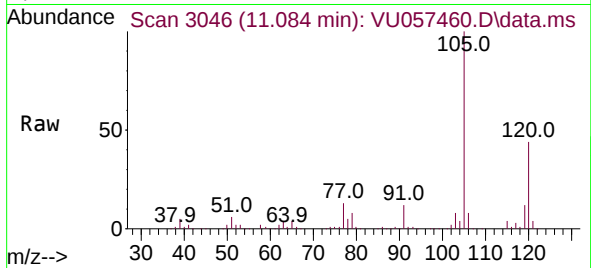




#62
 1,3,5-Trimethylbenzene
 Concen: 41.070 ug/L
 RT: 11.084 min Scan# 3047
 Delta R.T. -0.003 min
 Lab File: VU057460.D
 Acq: 09 Jan 2024 23:27

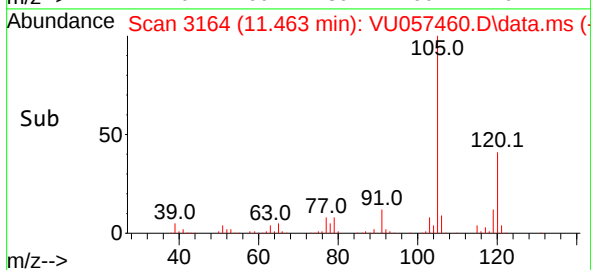
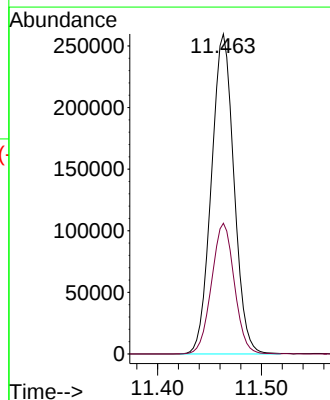
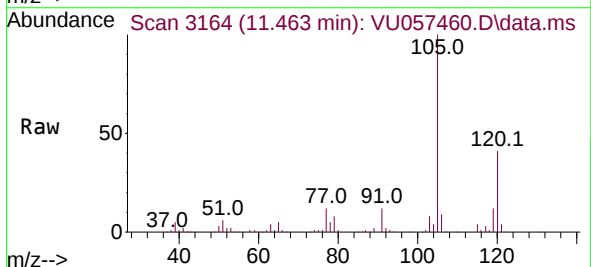
Instrument :
 MSVOA_U
 ClientSampleId :

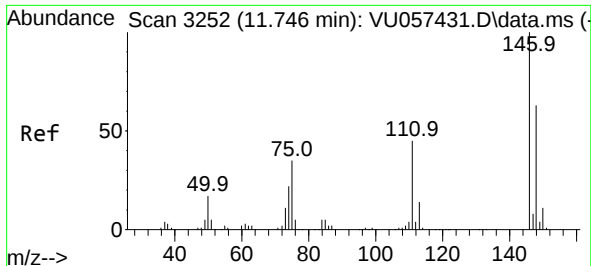
Tgt Ion:105 Resp: 401073
 Ion Ratio Lower Upper
 105 100
 120 44.7 36.1 54.1



#63
 1,2,4-Trimethylbenzene
 Concen: 40.923 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.003 min
 Lab File: VU057460.D
 Acq: 09 Jan 2024 23:27

Tgt Ion:105 Resp: 392303
 Ion Ratio Lower Upper
 105 100
 120 41.2 33.4 50.2

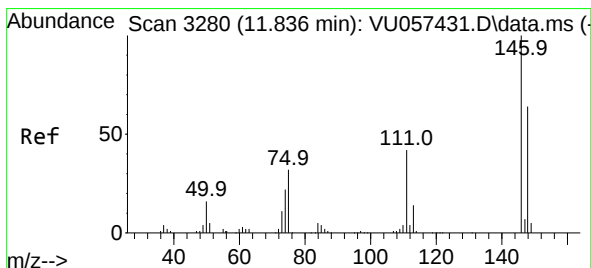
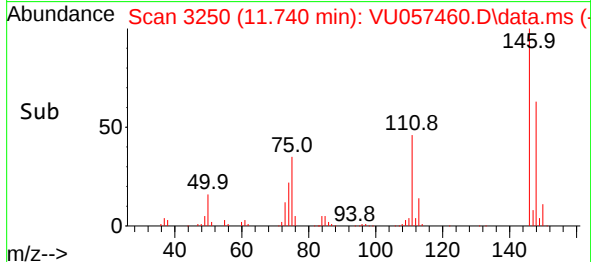
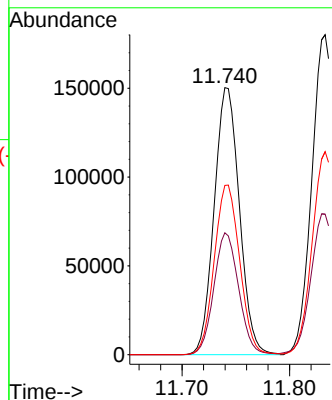
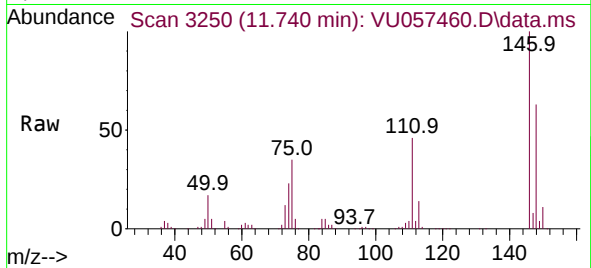




#64
1,3-Dichlorobenzene
Concen: 45.619 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.006 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

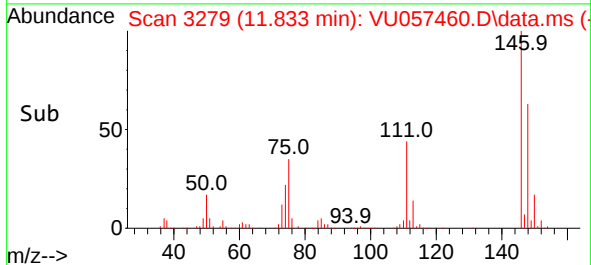
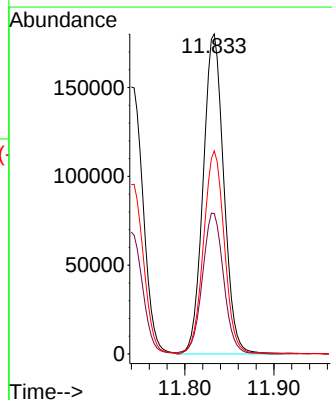
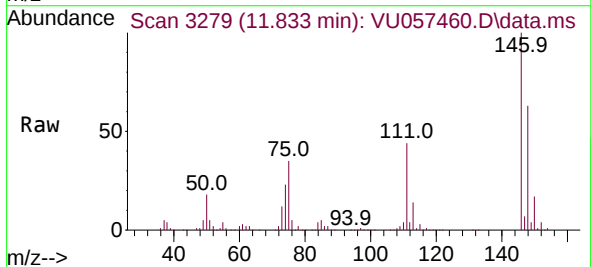
Instrument :
MSVOA_U
ClientSampleId :

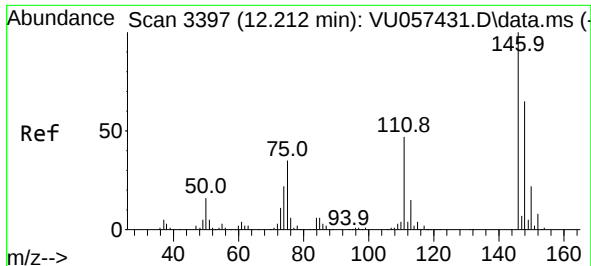
Tgt Ion:146 Resp: 245496
Ion Ratio Lower Upper
146 100
111 45.6 31.6 58.8
148 63.4 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 52.505 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.003 min
Lab File: VU057460.D
Acq: 09 Jan 2024 23:27

Tgt Ion:146 Resp: 290043
Ion Ratio Lower Upper
146 100
111 43.9 30.3 56.3
148 63.4 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 53.927 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

ClientSampleId :

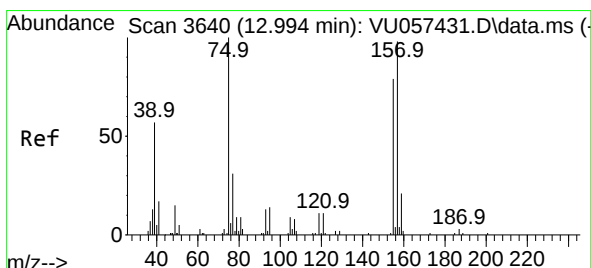
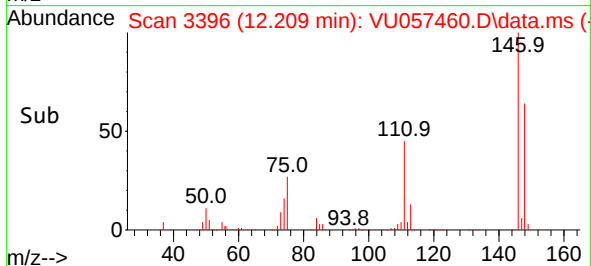
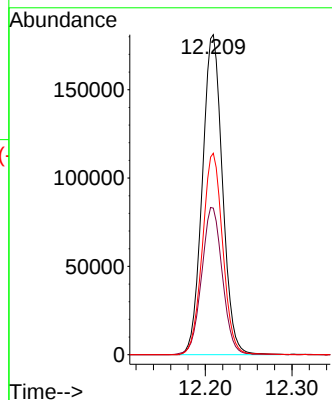
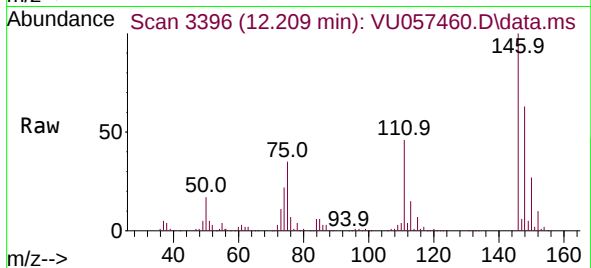
Tgt Ion:146 Resp: 292506

Ion Ratio Lower Upper

146 100

111 45.8 36.9 55.3

148 62.9 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 52.930 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

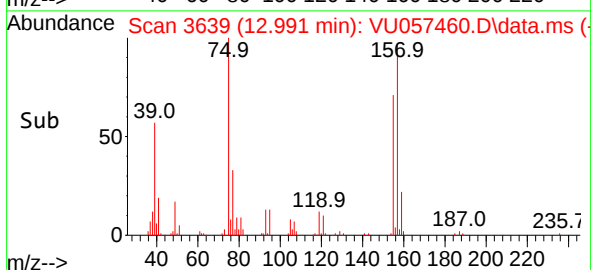
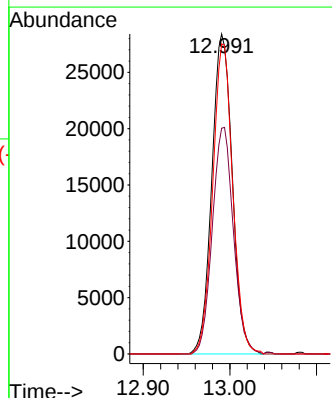
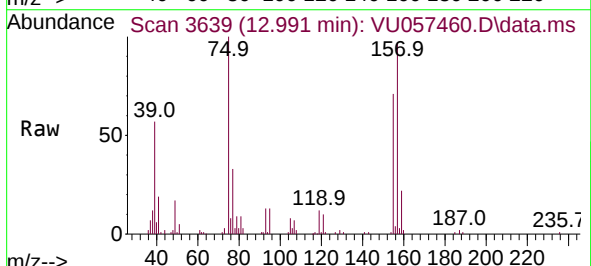
Tgt Ion: 75 Resp: 46678

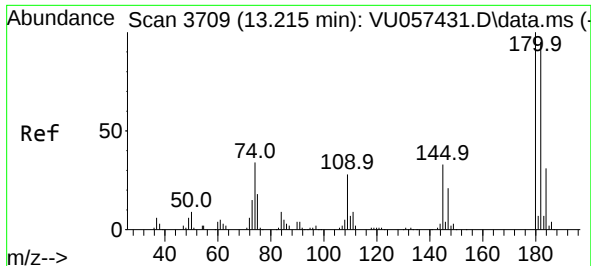
Ion Ratio Lower Upper

75 100

155 70.5 64.3 96.5

157 96.9 73.8 110.6





#69

1,3,5-Trichlorobenzene

Concen: 50.091 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

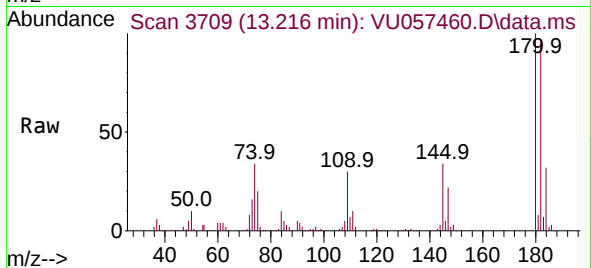
Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 192957

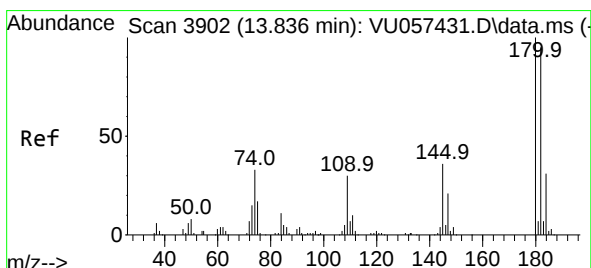
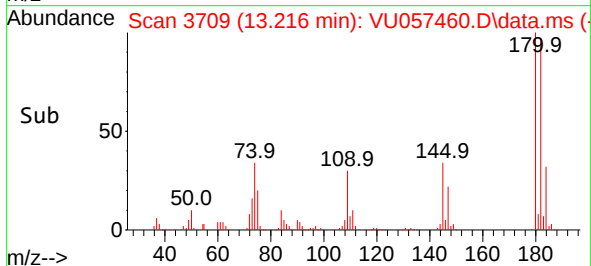
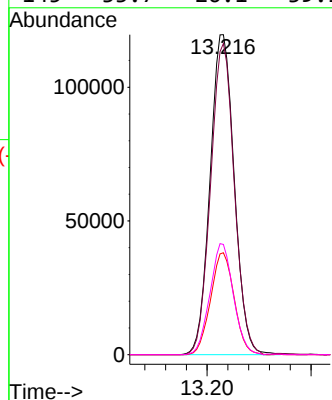
Ion Ratio Lower Upper

180 100

182 95.4 75.6 113.4

184 31.1 23.9 35.9

145 33.7 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 52.122 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

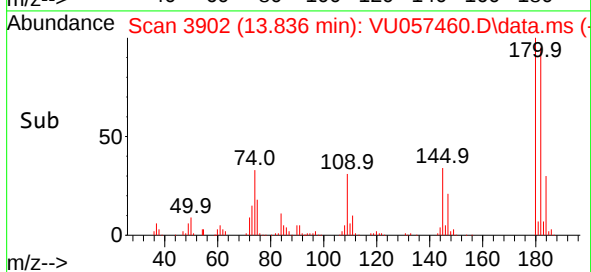
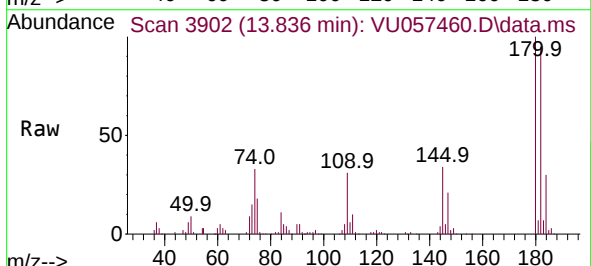
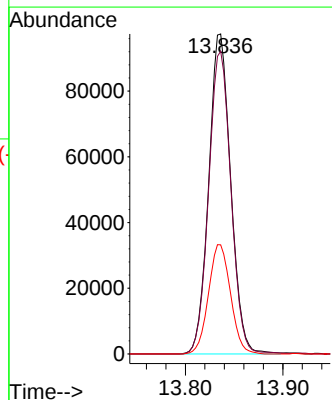
Tgt Ion:180 Resp: 152865

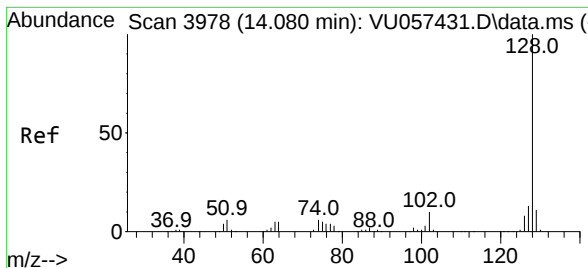
Ion Ratio Lower Upper

180 100

182 95.6 75.8 113.8

145 34.2 27.4 41.0





#71

Naphthalene

Concen: 56.964 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Instrument :

MSVOA_U

ClientSampleId :

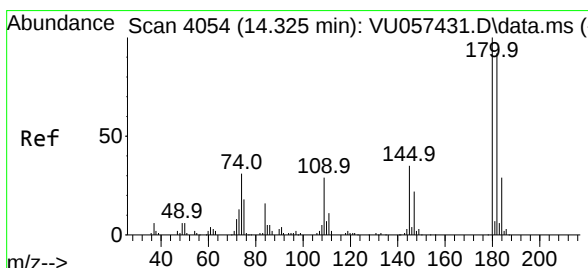
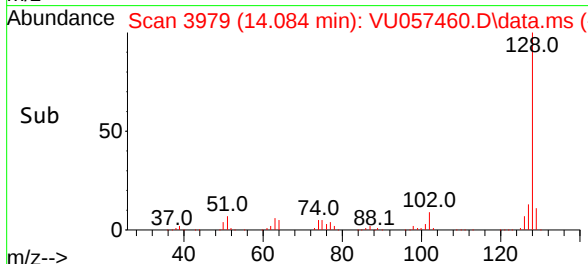
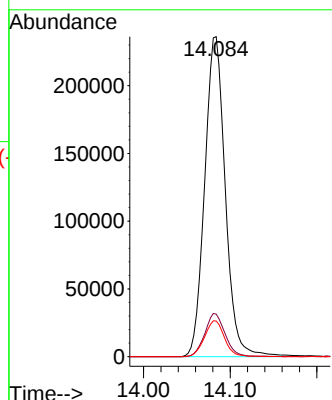
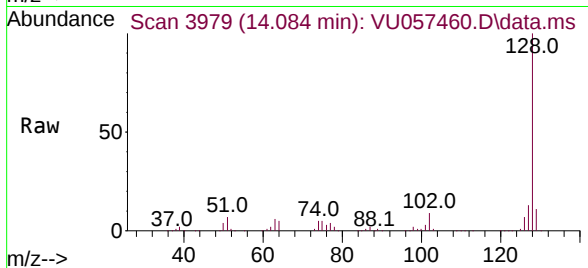
Tgt Ion:128 Resp: 390359

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 52.642 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU057460.D

Acq: 09 Jan 2024 23:27

Tgt Ion:180 Resp: 146006

Ion Ratio Lower Upper

180 100

182 96.4 77.5 116.3

145 36.5 28.2 42.4

