

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010924\
 Data File : VU057431.D
 Acq On : 09 Jan 2024 11:19
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 10 00:27:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 06:09:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.241	114	289327	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.421	117	283359	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	132249	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	74778	37.552	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.100%
7) Chloroethane-d5	1.917	69	61312	39.787	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.580%
11) 1,1-Dichloroethene-d2	2.547	63	173876	41.195	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.400%
21) 2-Butanone-d5	4.647	46	75443	78.186	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.190%
24) Chloroform-d	5.055	84	210505	44.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.400%
26) 1,2-Dichloroethane-d4	5.695	65	142586	45.835	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.660%
32) Benzene-d6	5.717	84	350675	46.103	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.682	67	101659	47.353	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.700%
41) Toluene-d8	7.891	98	337902	47.405	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.820%
43) trans-1,3-Dichloroprop...	8.180	79	63265	49.372	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.740%
47) 2-Hexanone-d5	8.679	63	76410	108.876	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.880%
56) 1,1,2,2-Tetrachloroeth...	10.765	84	144313	44.982	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.960%
66) 1,2-Dichlorobenzene-d4	12.193	152	119911	46.358	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	147079	44.560	ug/L	100
3) Chloromethane	1.518	50	94912	45.825	ug/L	99
5) Vinyl chloride	1.605	62	102509	46.232	ug/L	100
6) Bromomethane	1.859	94	61159	41.674	ug/L	97
8) Chloroethane	1.936	64	57006	43.954	ug/L	94
9) Trichlorofluoromethane	2.129	101	207961	44.951	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	102000	45.909	ug/L	99
12) 1,1-Dichloroethene	2.560	96	88013	44.895	ug/L	91
13) Acetone	2.650	43	106987	91.048	ug/L	95
14) Carbon disulfide	2.775	76	272228	44.833	ug/L	98
15) Methyl Acetate	2.949	43	74875	48.845	ug/L	99
16) Methylene chloride	3.036	84	105998	47.554	ug/L	98
17) trans-1,2-Dichloroethene	3.338	96	94268	47.003	ug/L	95
18) Methyl tert-butyl Ether	3.357	73	344496	53.663	ug/L	99
19) 1,1-Dichloroethane	3.853	63	174574	47.017	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	105931	49.376	ug/L	94
22) 2-Butanone	4.721	43	83462	72.085	ug/L	97
23) Bromochloromethane	4.968	128	58510	47.510	ug/L	97
25) Chloroform	5.081	83	214068	47.506	ug/L	100

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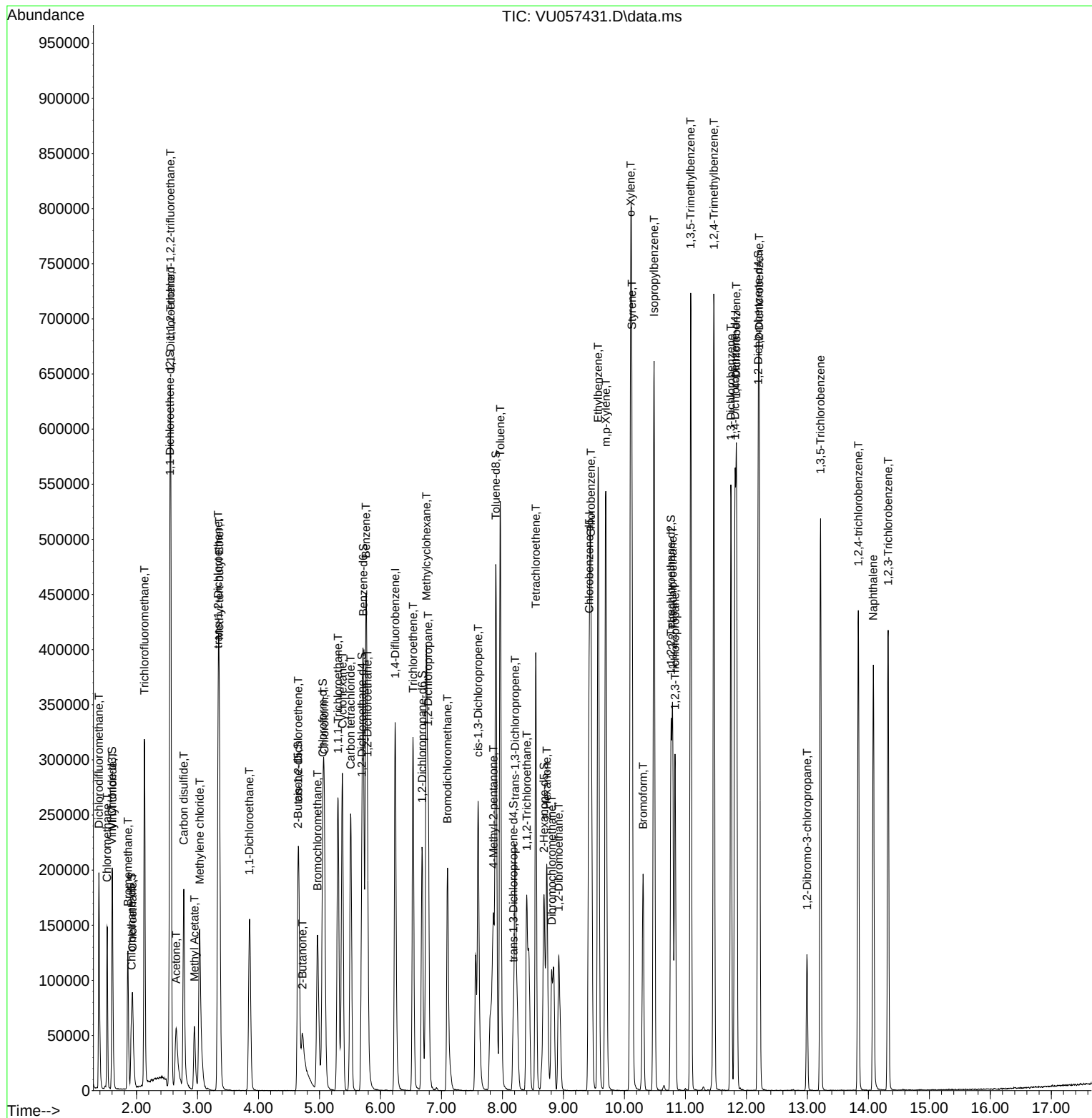
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	179947	47.407	ug/L	98
29) Cyclohexane	5.377	56	135840	50.670	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	203240	46.618	ug/L	99
31) Carbon tetrachloride	5.512	117	179579	46.442	ug/L	100
33) Benzene	5.762	78	395112	49.617	ug/L	100
34) Trichloroethene	6.534	95	110915	47.707	ug/L	98
35) Methylcyclohexane	6.753	83	162766	51.458	ug/L	98
37) 1,2-Dichloropropane	6.782	63	93516	47.589	ug/L	99
38) Bromodichloromethane	7.100	83	163311	49.059	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	180218	52.374	ug/L	98
40) 4-Methyl-2-pentanone	7.852	43	209921	104.843	ug/L #	33
42) Toluene	7.965	91	435654	50.877	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	180441	52.232	ug/L	100
45) 1,1,2-Trichloroethane	8.399	97	63788	29.502	ug/L	96
46) Tetrachloroethene	8.547	164	86739	49.321	ug/L	98
48) 2-Hexanone	8.727	43	153977	95.587	ug/L	93
49) Dibromochloromethane	8.807	129	56242	21.344	ug/L	100
50) 1,2-Dibromoethane	8.923	107	119261	51.999	ug/L	100
51) Chlorobenzene	9.450	112	287295	49.933	ug/L	99
52) Ethylbenzene	9.569	91	494798	51.892	ug/L	99
53) m,p-Xylene	9.695	106	186982	52.458	ug/L	99
54) o-Xylene	10.103	106	179728	51.632	ug/L	99
55) Styrene	10.122	104	303550	51.496	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.791	83	153139	46.971	ug/L	97
59) Bromoform	10.306	173	96780	50.470	ug/L	99
60) 1,2,3-Trichloropropane	10.830	75	128925	51.467	ug/L	99
61) Isopropylbenzene	10.486	105	487145	56.247	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	428899	57.906	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	424579	58.393	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	216658	53.081	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	214768	51.259	ug/L	99
67) 1,2-Dichlorobenzene	12.212	146	211276	51.355	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	33516	50.108	ug/L	94
69) 1,3,5-Trichlorobenzene	13.215	180	154819	52.989	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	128843	57.921	ug/L	99
71) Naphthalene	14.080	128	309647	59.575	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	124021	58.955	ug/L	97

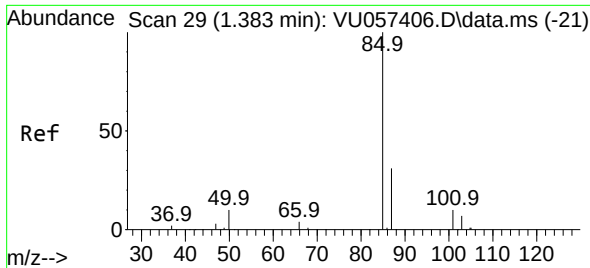
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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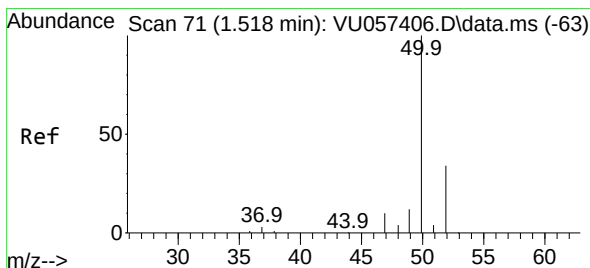
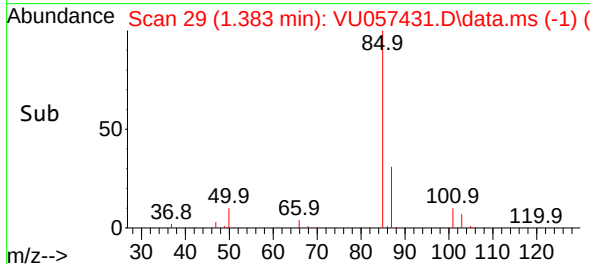
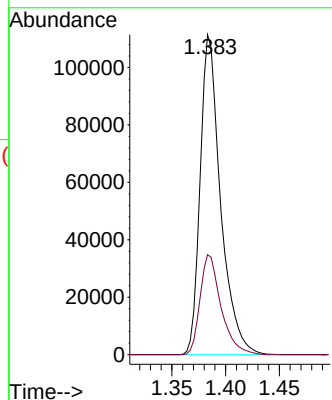
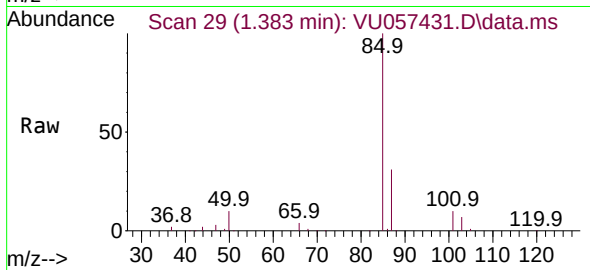




#2
 Dichlorodifluoromethane
 Concen: 44.560 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU057431.D
 Acq: 09 Jan 2024 11:19

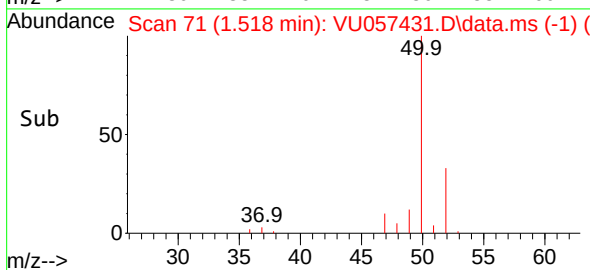
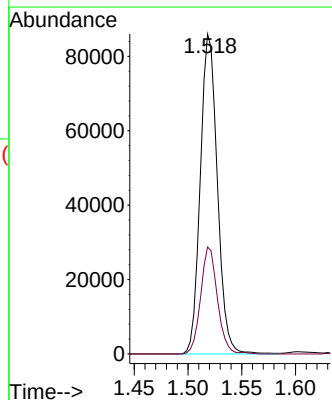
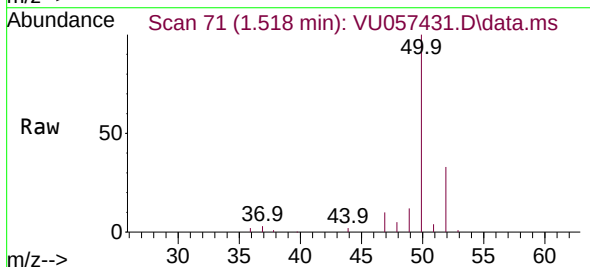
Instrument :
 MSVOA_U
 ClientSampleId :

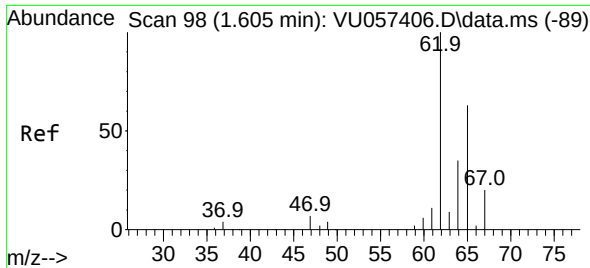
Tgt Ion: 85 Resp: 147079
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.8 38.6



#3
 Chloromethane
 Concen: 45.825 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057431.D
 Acq: 09 Jan 2024 11:19

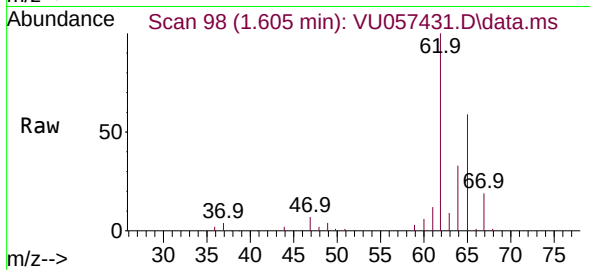
Tgt Ion: 50 Resp: 94912
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.7 43.9



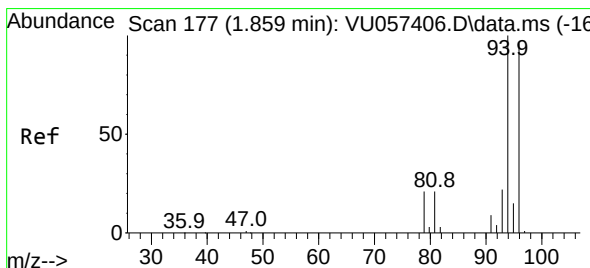
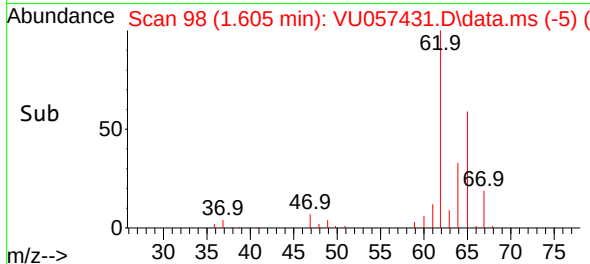
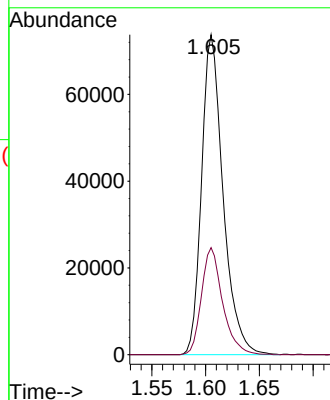


#5
 Vinyl chloride
 Concen: 46.232 ug/L
 RT: 1.605 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: VU057431.D
 Acq: 09 Jan 2024 11:19

Instrument :
 MSVOA_U
 ClientSampleId :

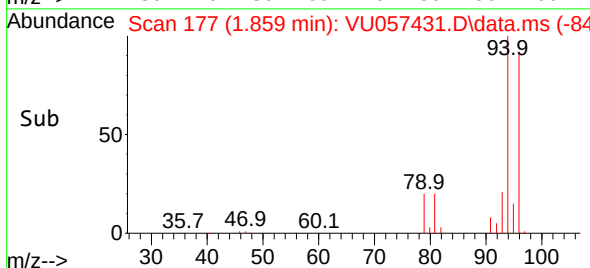
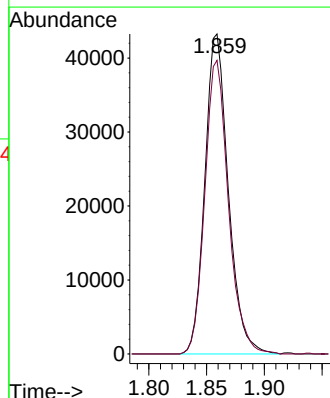
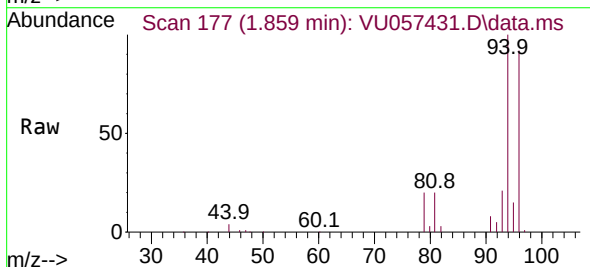


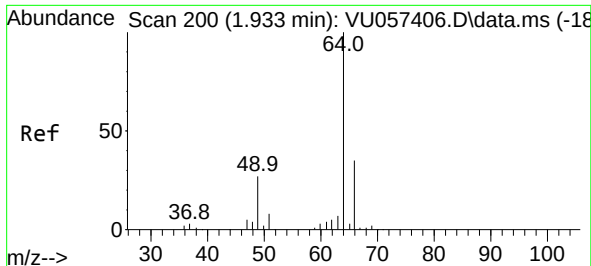
Tgt Ion: 62 Resp: 102509
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.3 43.3



#6
 Bromomethane
 Concen: 41.674 ug/L
 RT: 1.859 min Scan# 177
 Delta R.T. -0.000 min
 Lab File: VU057431.D
 Acq: 09 Jan 2024 11:19

Tgt Ion: 94 Resp: 61159
 Ion Ratio Lower Upper
 94 100
 96 91.7 65.9 122.5





#8

Chloroethane

Concen: 43.954 ug/L

RT: 1.936 min Scan# 200

Delta R.T. 0.003 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

Instrument :

MSVOA_U

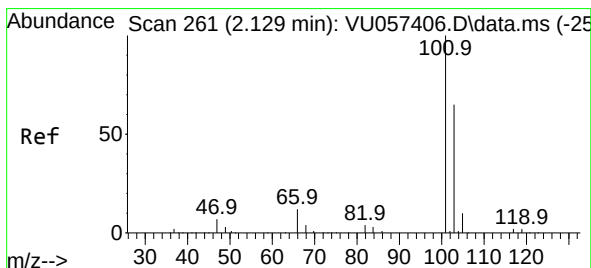
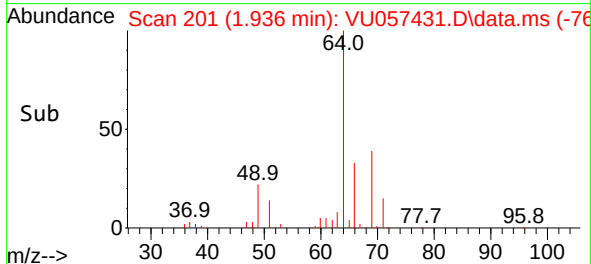
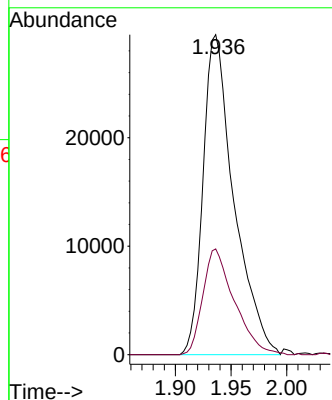
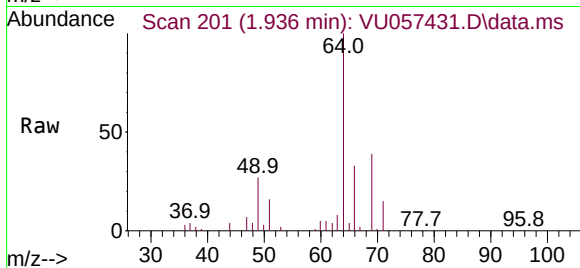
ClientSampleId :

Tgt Ion: 64 Resp: 57006

Ion Ratio Lower Upper

64 100

66 33.0 20.9 38.9



#9

Trichlorofluoromethane

Concen: 44.951 ug/L

RT: 2.129 min Scan# 261

Delta R.T. -0.000 min

Lab File: VU057431.D

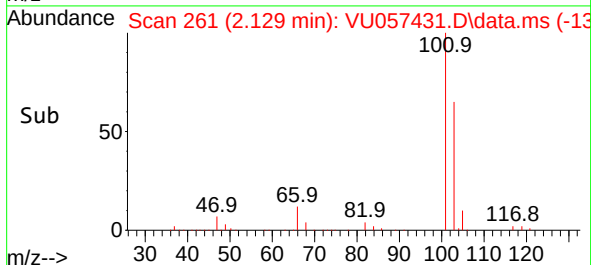
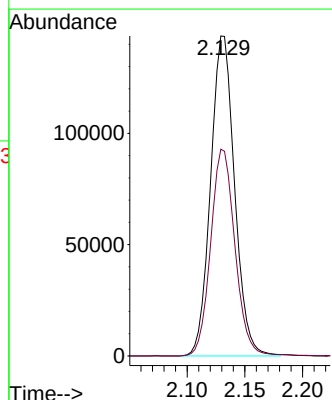
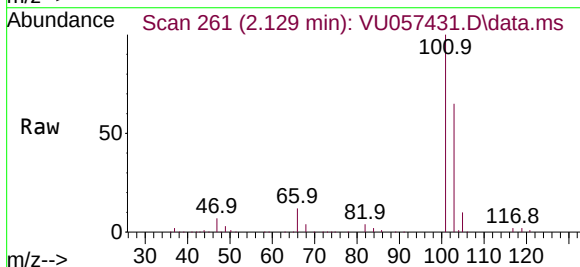
Acq: 09 Jan 2024 11:19

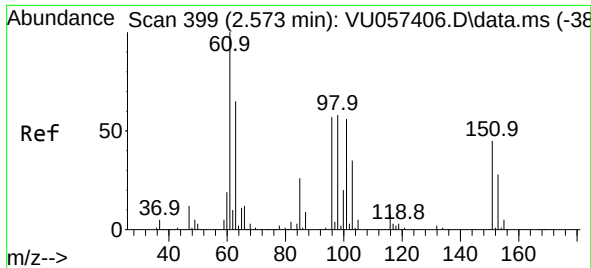
Tgt Ion:101 Resp: 207961

Ion Ratio Lower Upper

101 100

103 65.4 53.4 80.0

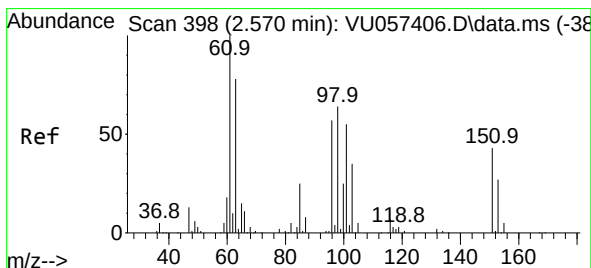
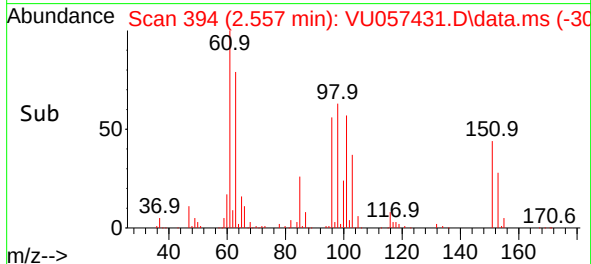
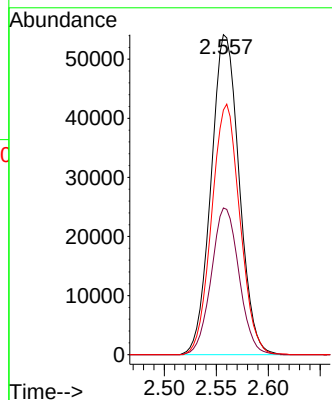
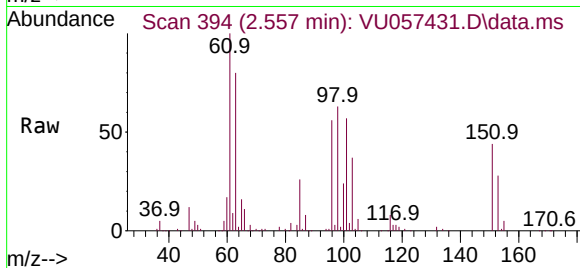




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.909 ug/L
RT: 2.557 min Scan# 394
Delta R.T. -0.016 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

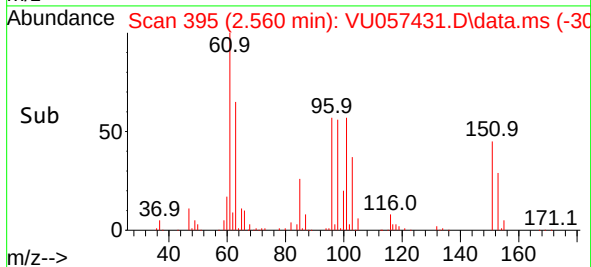
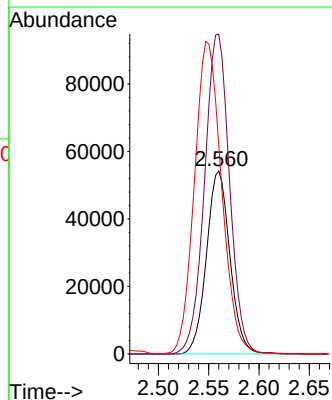
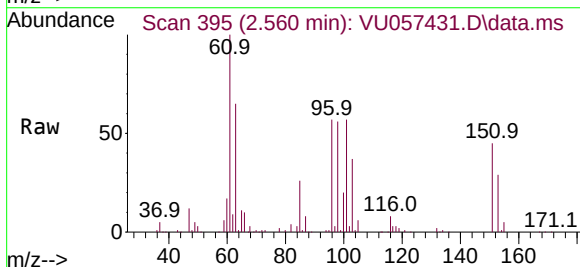
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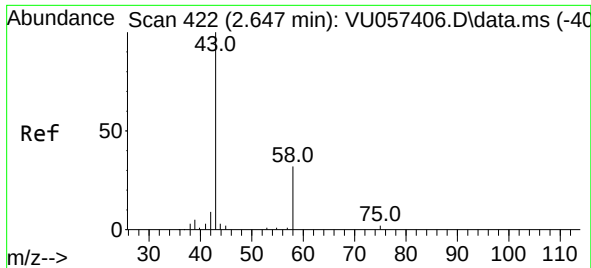
Tgt Ion:101 Resp: 102000
Ion Ratio Lower Upper
101 100
85 45.2 37.0 55.4
151 78.6 63.7 95.5



#12
1,1-Dichloroethene
Concen: 44.895 ug/L
RT: 2.560 min Scan# 395
Delta R.T. -0.010 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Tgt Ion: 96 Resp: 88013
Ion Ratio Lower Upper
96 100
61 174.8 128.3 238.3
63 114.2 90.4 168.0





#13

Acetone

Concen: 91.048 ug/L

RT: 2.650 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

Instrument :

MSVOA_U

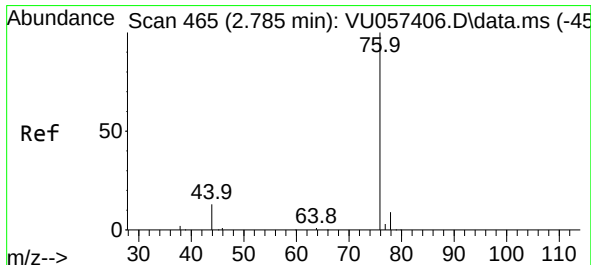
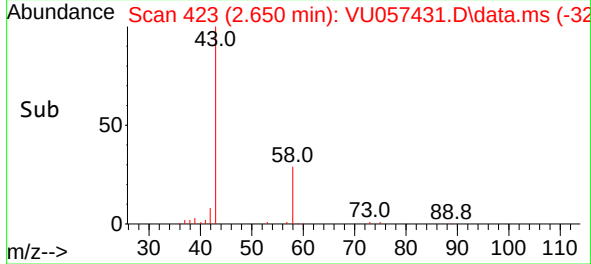
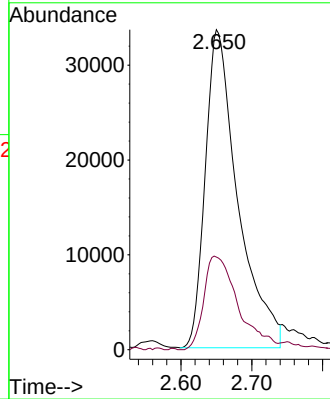
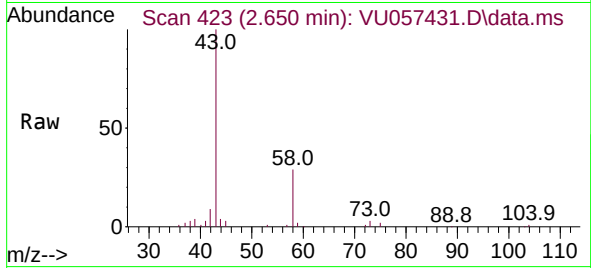
ClientSampleId :

Tgt Ion: 43 Resp: 106987

Ion Ratio Lower Upper

43 100

58 30.0 0.0 65.2



#14

Carbon disulfide

Concen: 44.833 ug/L

RT: 2.775 min Scan# 462

Delta R.T. -0.010 min

Lab File: VU057431.D

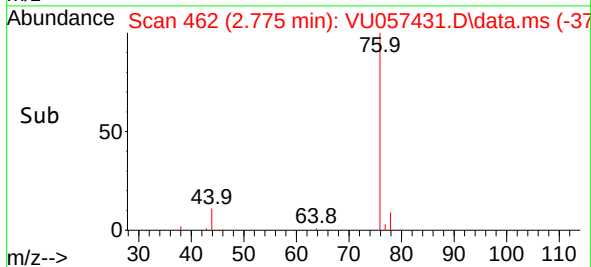
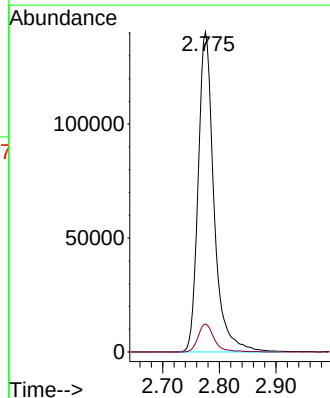
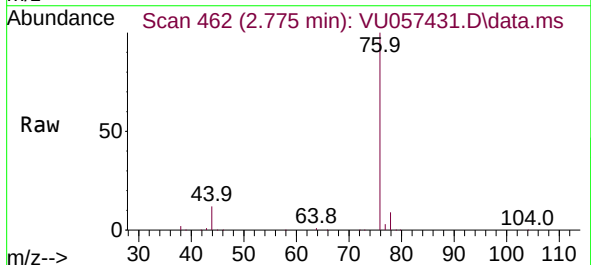
Acq: 09 Jan 2024 11:19

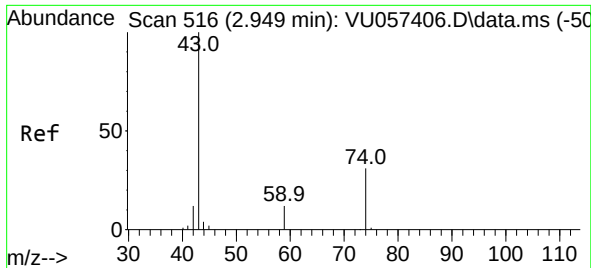
Tgt Ion: 76 Resp: 272228

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3

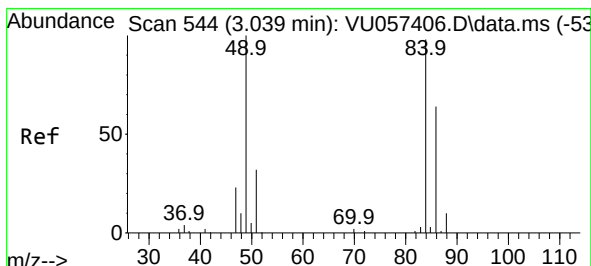
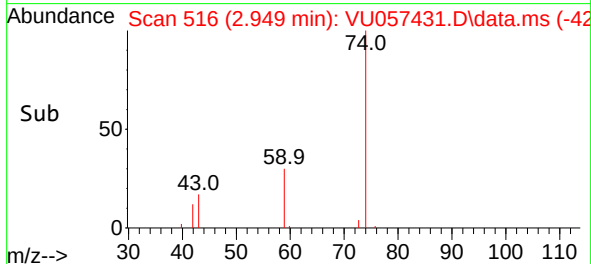
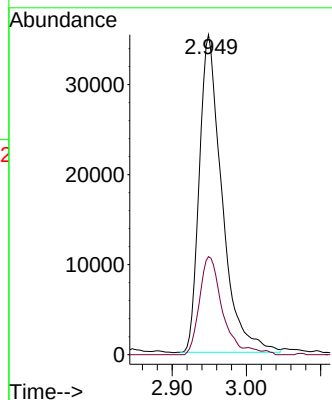
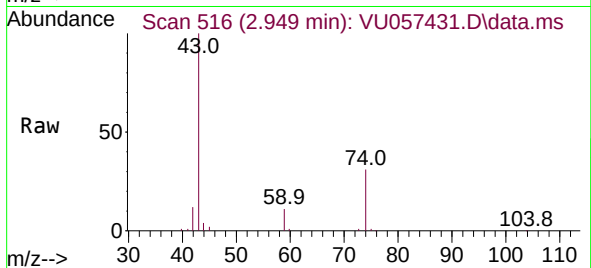




#15
Methyl Acetate
Concen: 48.845 ug/L
RT: 2.949 min Scan# 516
Delta R.T. -0.000 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

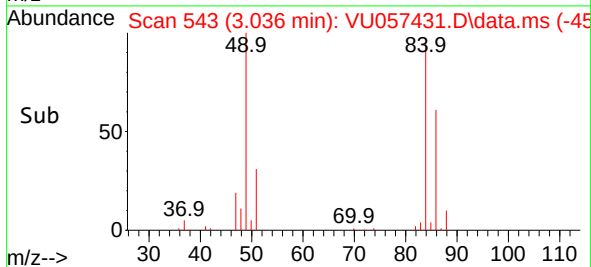
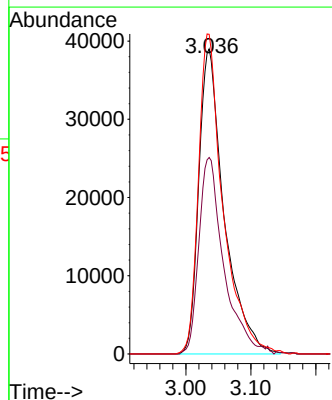
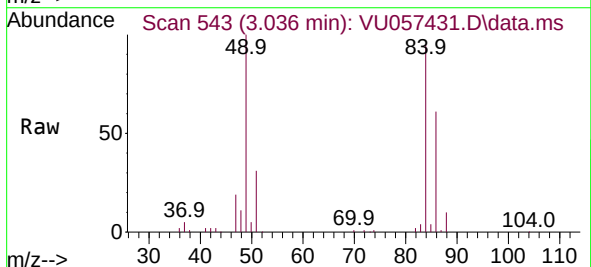
Instrument :
MSVOA_U
ClientSampleId :

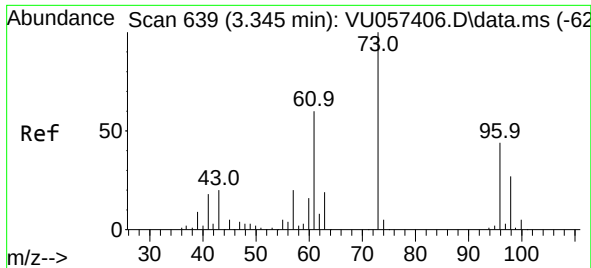
Tgt Ion: 43 Resp: 74875
Ion Ratio Lower Upper
43 100
74 30.1 24.6 36.8



#16
Methylene chloride
Concen: 47.554 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Tgt Ion: 84 Resp: 105998
Ion Ratio Lower Upper
84 100
86 64.4 44.3 82.3
49 104.8 72.2 134.2

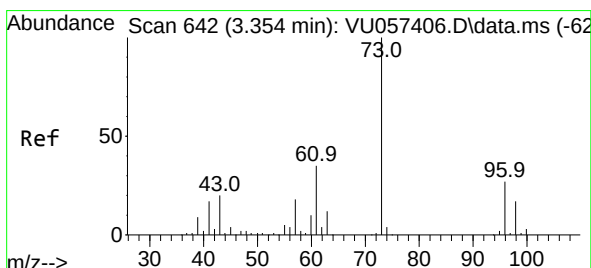
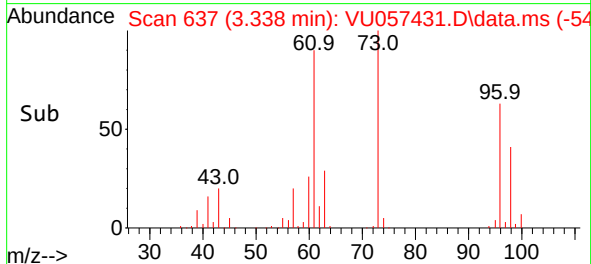
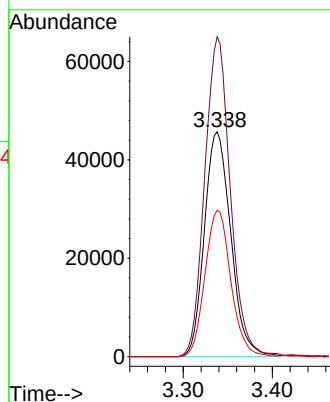
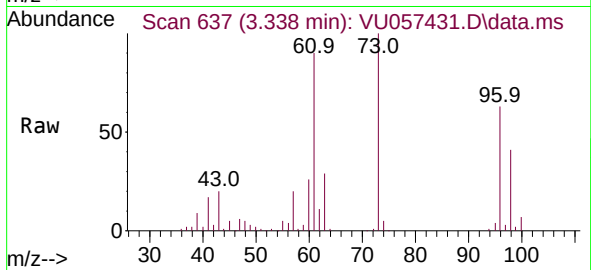




#17
trans-1,2-Dichloroethene
Concen: 47.003 ug/L
RT: 3.338 min Scan# 61
Delta R.T. -0.007 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

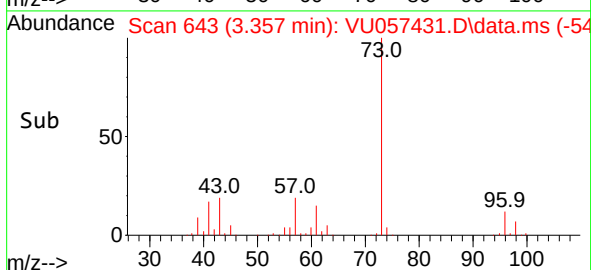
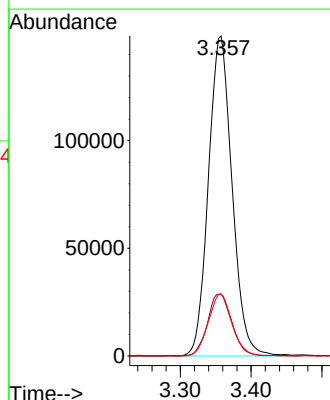
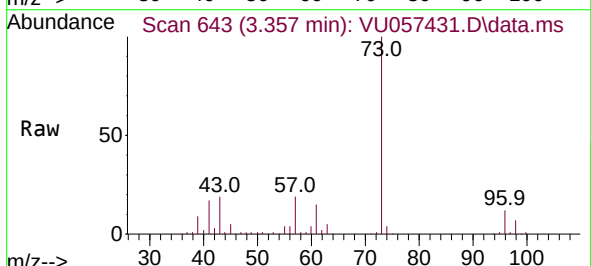
Instrument :
MSVOA_U
ClientSampleId :

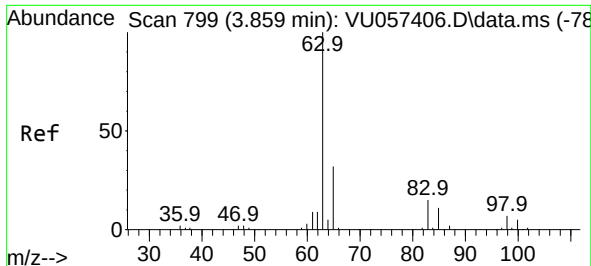
Tgt Ion: 96 Resp: 94268
Ion Ratio Lower Upper
96 100
61 142.3 93.9 174.5
98 65.2 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 53.663 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Tgt Ion: 73 Resp: 344496
Ion Ratio Lower Upper
73 100
43 19.8 16.3 24.5
57 19.3 15.0 22.6





#19

1,1-Dichloroethane

Concen: 47.017 ug/L

RT: 3.853 min Scan# 799

Delta R.T. -0.007 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

Instrument :

MSVOA_U

ClientSampleId :

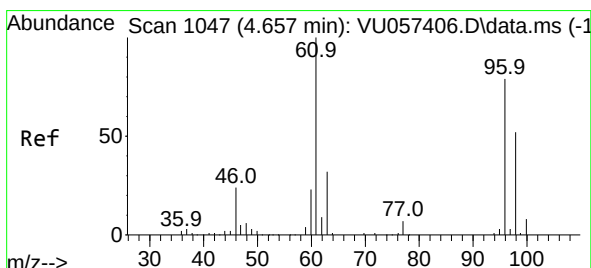
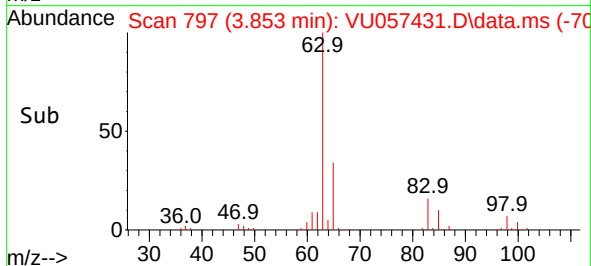
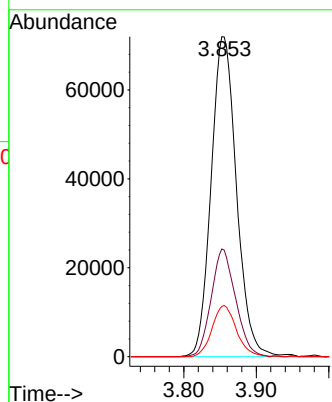
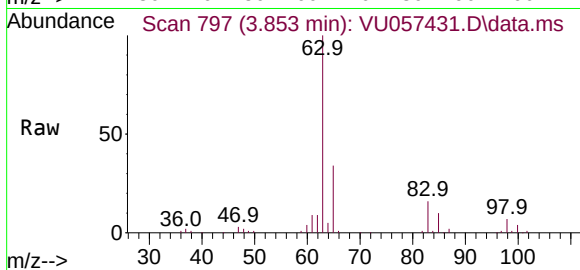
Tgt Ion: 63 Resp: 174574

Ion Ratio Lower Upper

63 100

65 33.7 22.4 41.6

83 15.7 11.3 21.1



#20

cis-1,2-Dichloroethene

Concen: 49.376 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.003 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

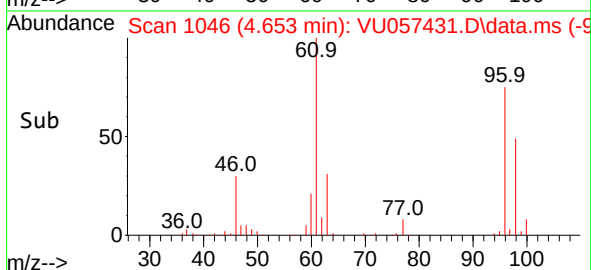
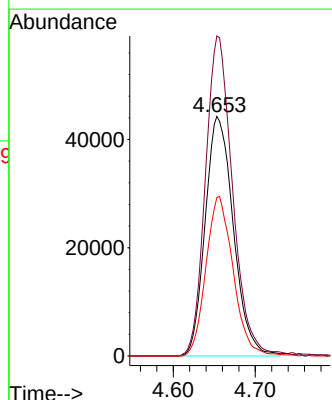
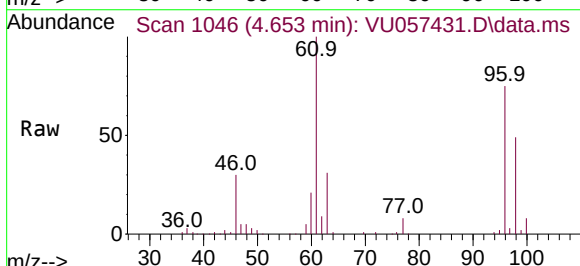
Tgt Ion: 96 Resp: 105931

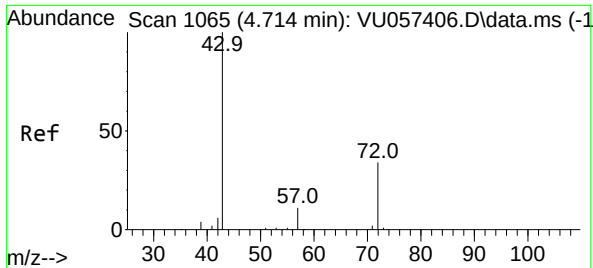
Ion Ratio Lower Upper

96 100

61 133.6 88.0 163.4

98 66.1 43.4 80.6

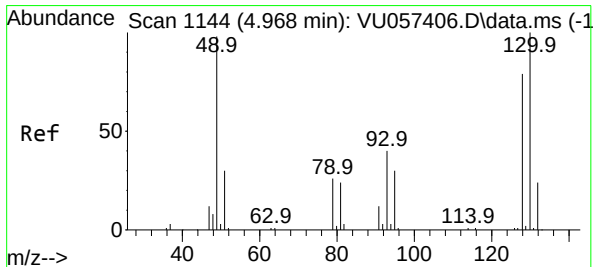
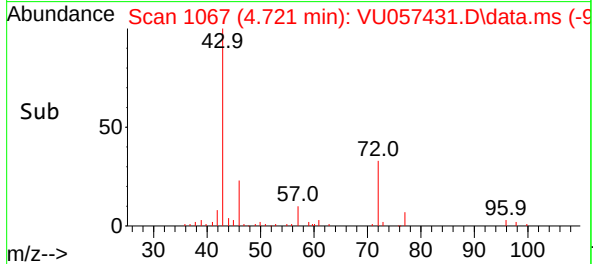
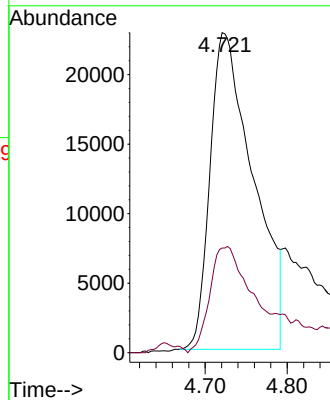
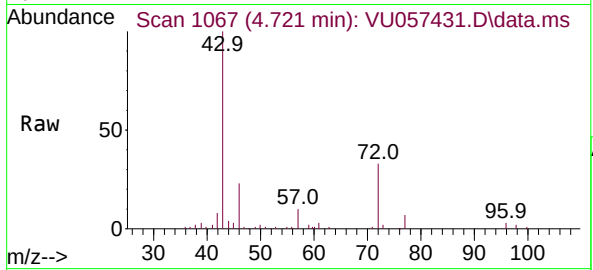




#22
2-Butanone
Concen: 72.085 ug/L
RT: 4.721 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

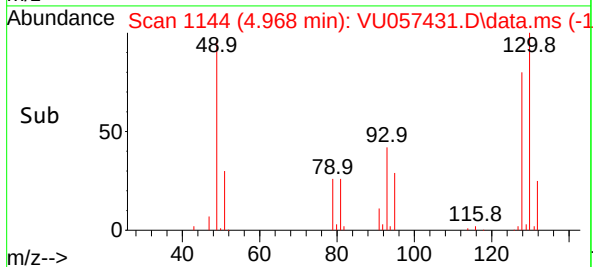
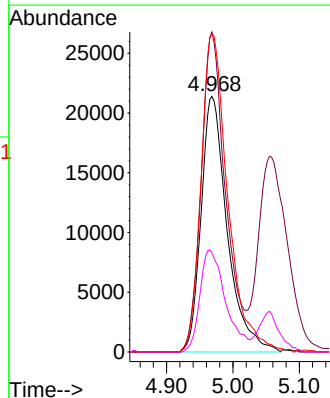
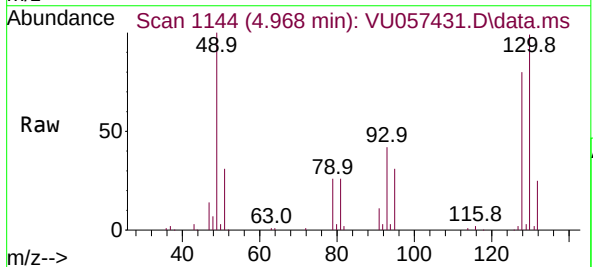
Instrument :
MSVOA_U
ClientSampleId :

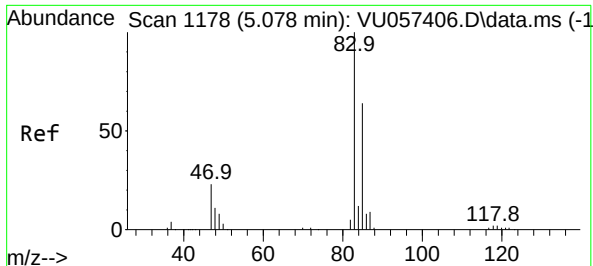
Tgt Ion: 43 Resp: 83462
Ion Ratio Lower Upper
43 100
72 32.2 15.2 45.6



#23
Bromochloromethane
Concen: 47.510 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Tgt Ion:128 Resp: 58510
Ion Ratio Lower Upper
128 100
49 125.2 83.4 154.8
130 124.6 87.6 162.6
51 38.9 31.0 46.6





#25

Chloroform

Concen: 47.506 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

Instrument :

MSVOA_U

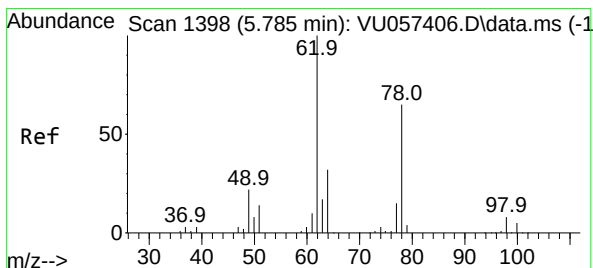
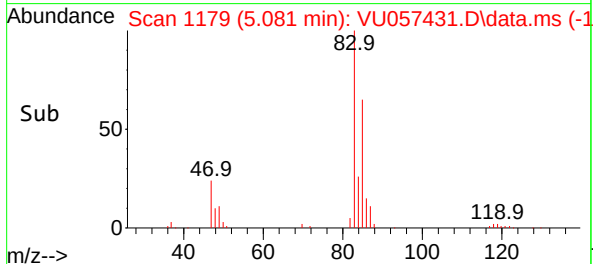
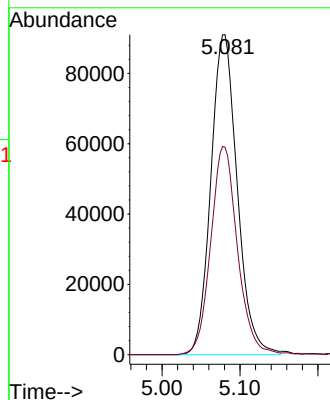
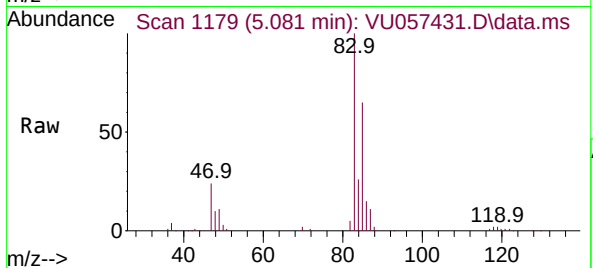
ClientSampleId :

Tgt Ion: 83 Resp: 214068

Ion Ratio Lower Upper

83 100

85 64.8 45.5 84.5



#27

1,2-Dichloroethane

Concen: 47.407 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU057431.D

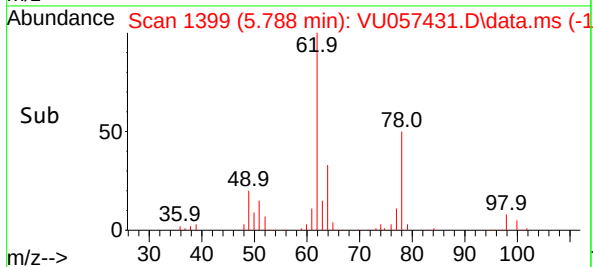
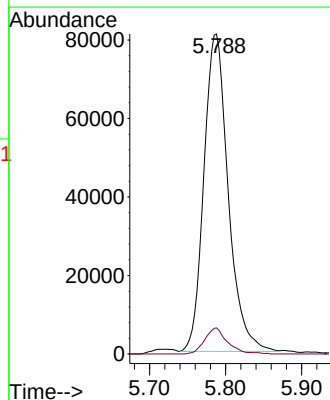
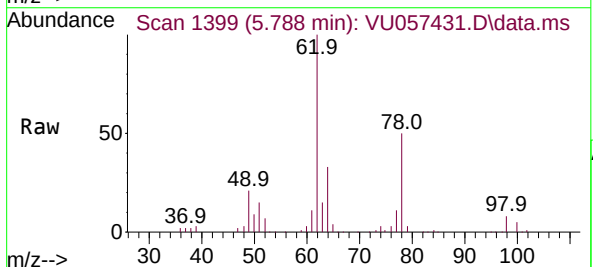
Acq: 09 Jan 2024 11:19

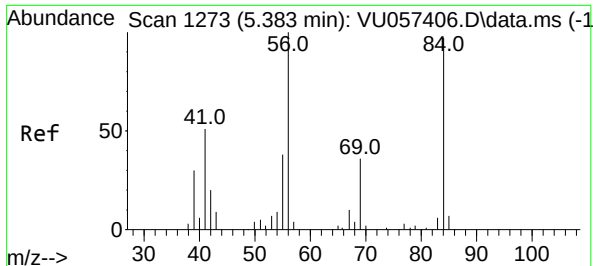
Tgt Ion: 62 Resp: 179947

Ion Ratio Lower Upper

62 100

98 8.2 6.1 9.1





#29

Cyclohexane

Concen: 50.670 ug/L

RT: 5.377 min Scan# 1

Delta R.T. -0.007 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

Instrument :

MSVOA_U

ClientSampleId :

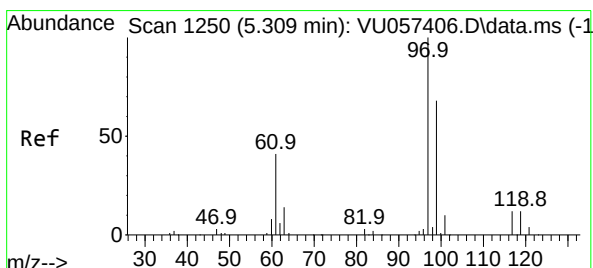
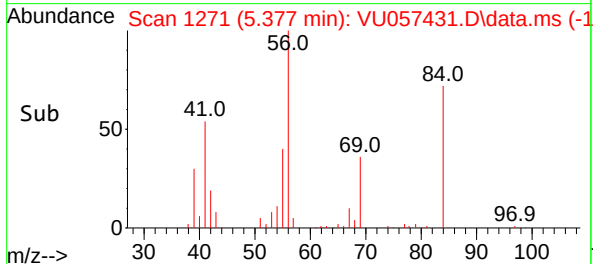
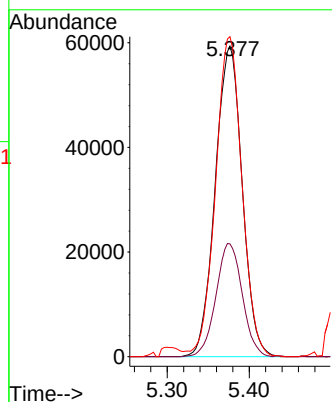
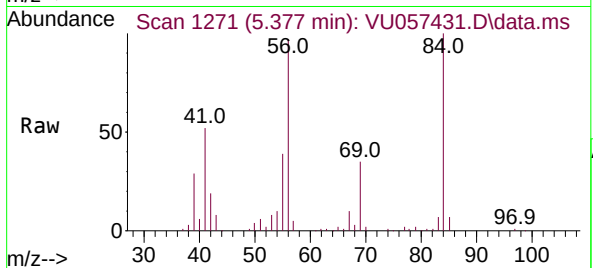
Tgt Ion: 56 Resp: 135840

Ion Ratio Lower Upper

56 100

69 35.5 27.8 41.8

84 100.8 79.3 118.9



#30

1,1,1-Trichloroethane

Concen: 46.618 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.007 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

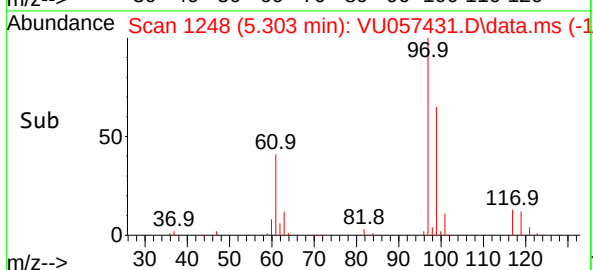
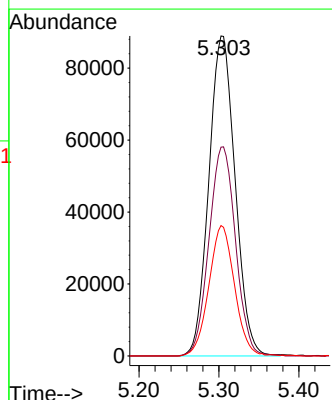
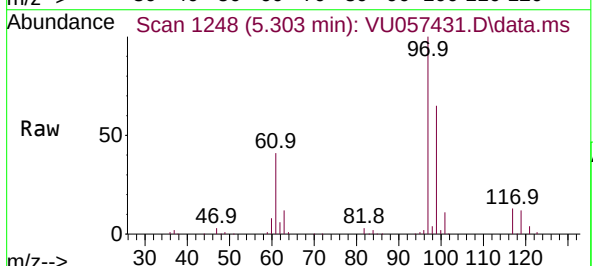
Tgt Ion: 97 Resp: 203240

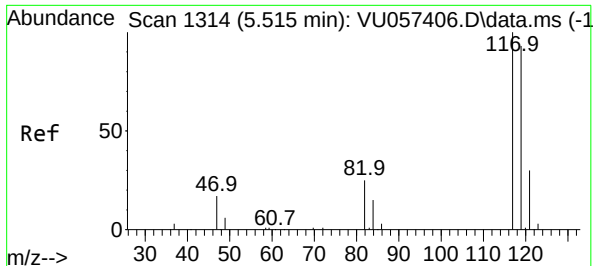
Ion Ratio Lower Upper

97 100

99 66.1 52.1 78.1

61 39.6 31.9 47.9

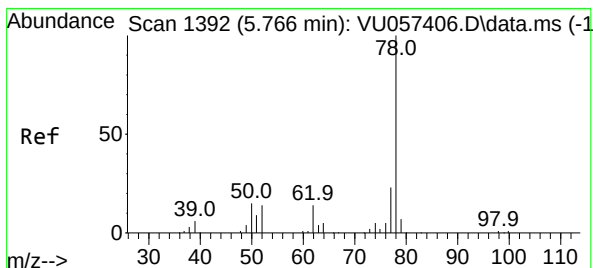
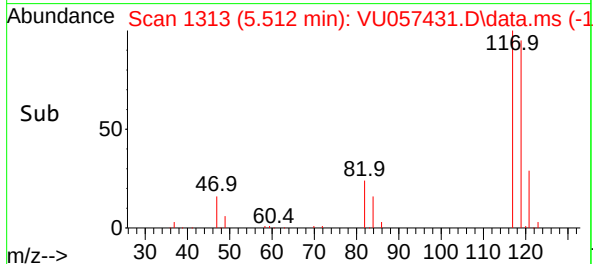
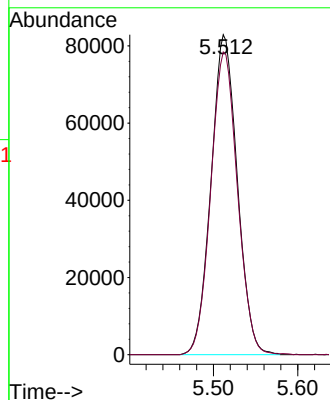
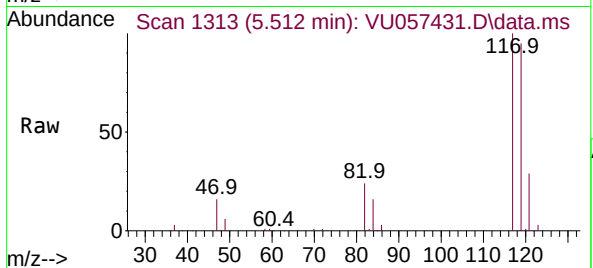




#31
Carbon tetrachloride
Concen: 46.442 ug/L
RT: 5.512 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

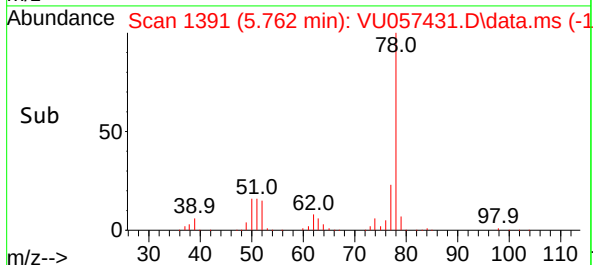
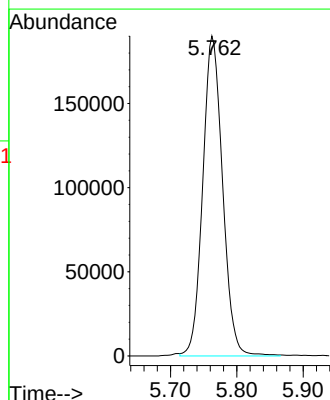
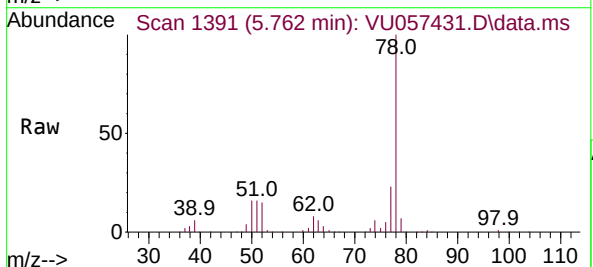
Instrument :
MSVOA_U
ClientSampleId :

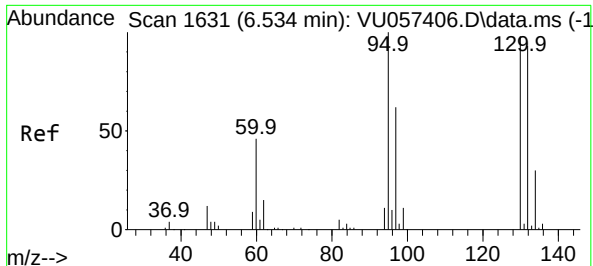
Tgt Ion:117 Resp: 179579
Ion Ratio Lower Upper
117 100
119 95.9 76.5 114.7



#33
Benzene
Concen: 49.617 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Tgt Ion: 78 Resp: 395112

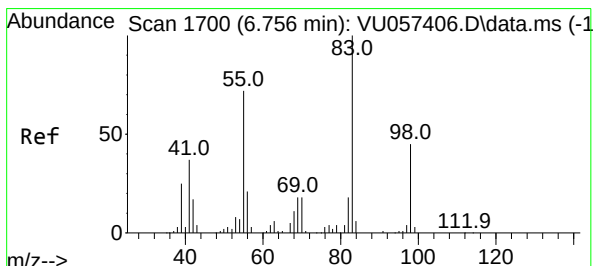
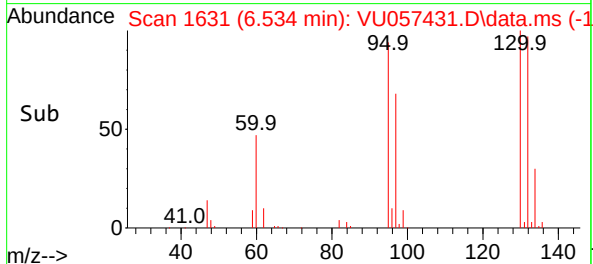
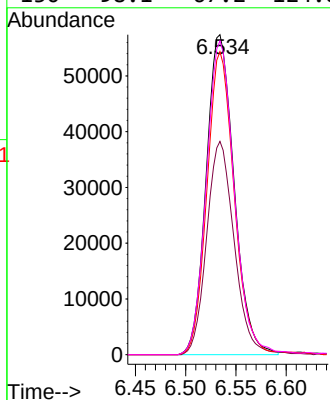
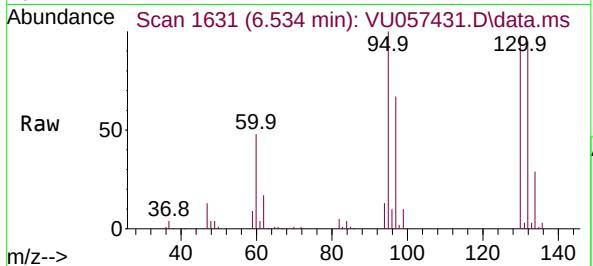




#34
Trichloroethene
Concen: 47.707 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

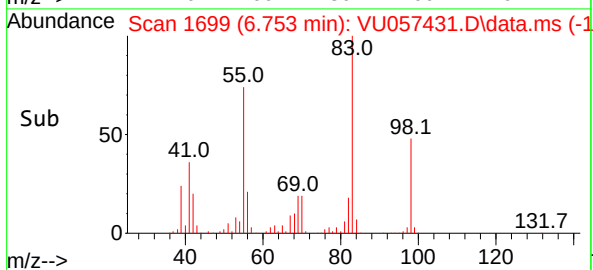
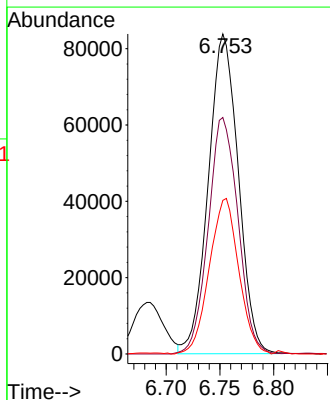
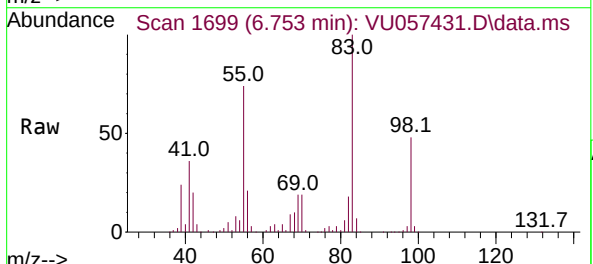
Instrument :
MSVOA_U
ClientSampleId :

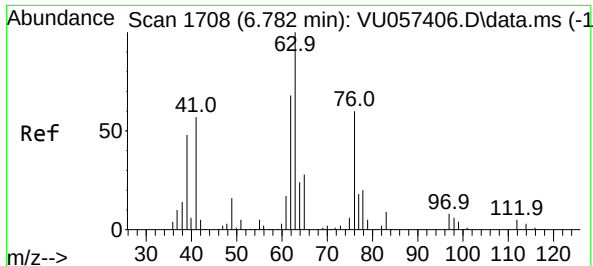
Tgt Ion: 95 Resp: 110915
Ion Ratio Lower Upper
95 100
97 66.7 46.2 85.8
132 94.7 64.3 119.5
130 98.1 67.2 124.8



#35
Methylcyclohexane
Concen: 51.458 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Tgt Ion: 83 Resp: 162766
Ion Ratio Lower Upper
83 100
55 73.4 58.0 87.0
98 47.8 36.6 55.0





#37

1,2-Dichloropropane

Concen: 47.589 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

Instrument :

MSVOA_U

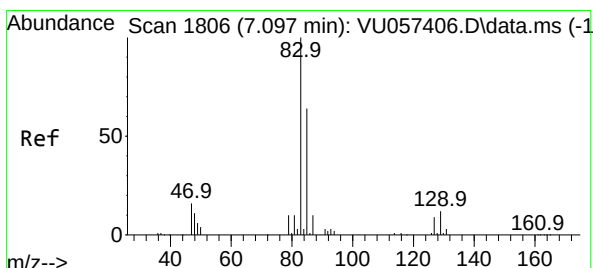
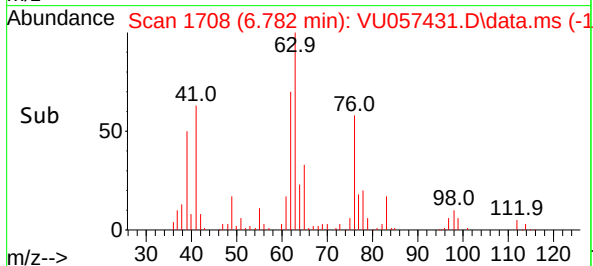
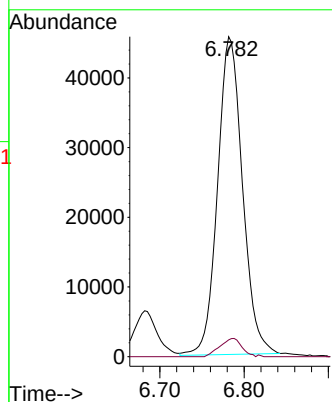
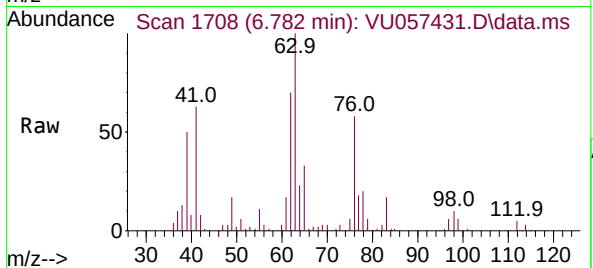
ClientSampleId :

Tgt Ion: 63 Resp: 93516

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.8



#38

Bromodichloromethane

Concen: 49.059 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.003 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

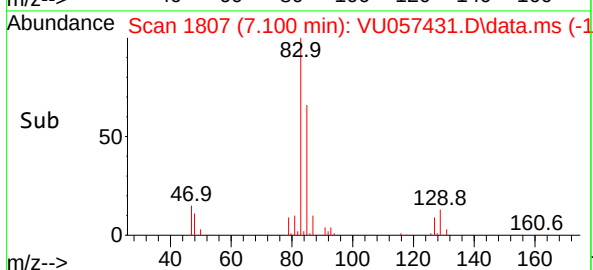
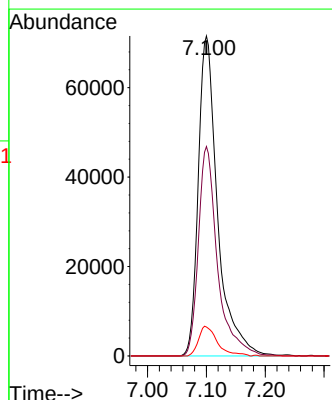
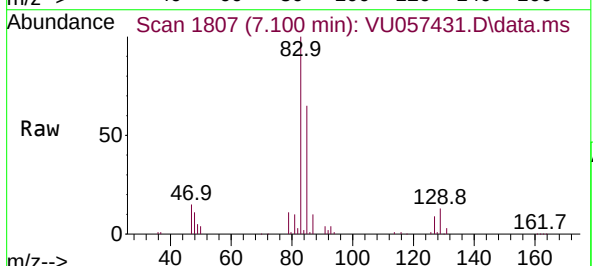
Tgt Ion: 83 Resp: 163311

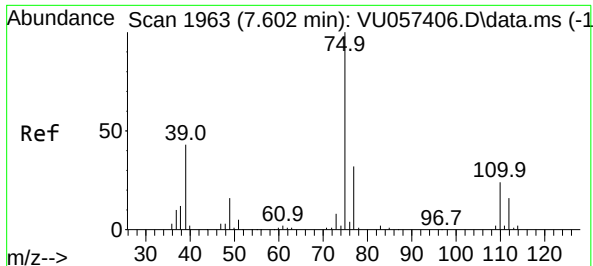
Ion Ratio Lower Upper

83 100

85 65.4 44.7 83.1

127 9.1 7.7 11.5

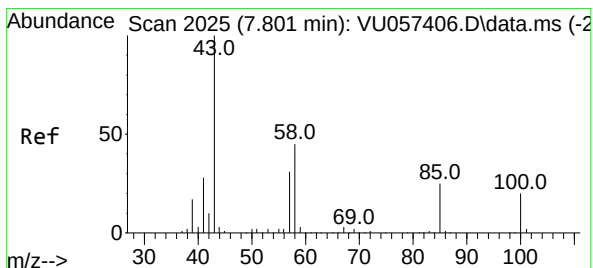
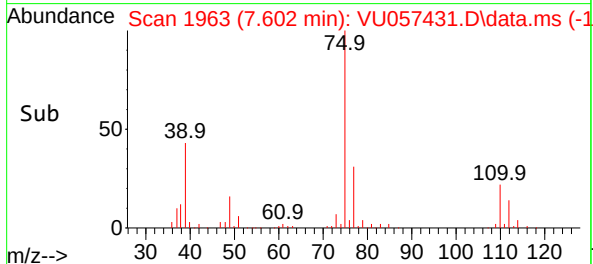
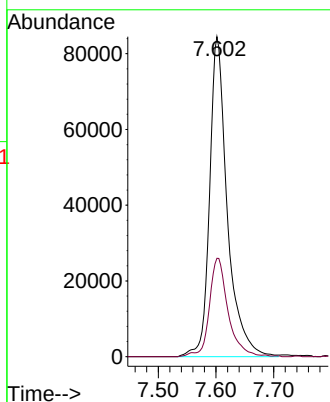
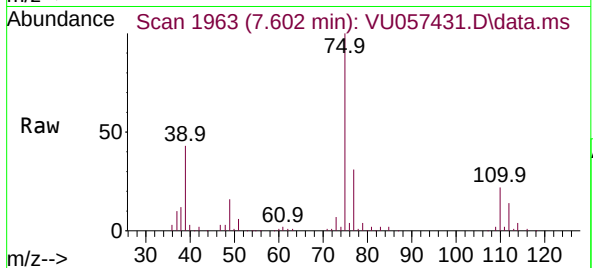




#39
 cis-1,3-Dichloropropene
 Concen: 52.374 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU057431.D
 Acq: 09 Jan 2024 11:19

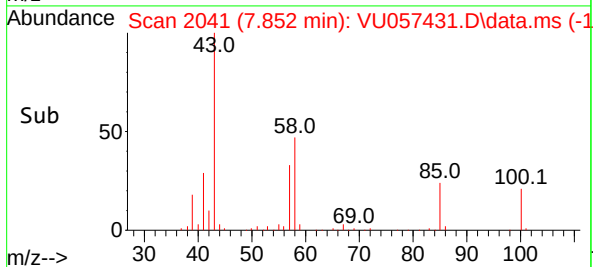
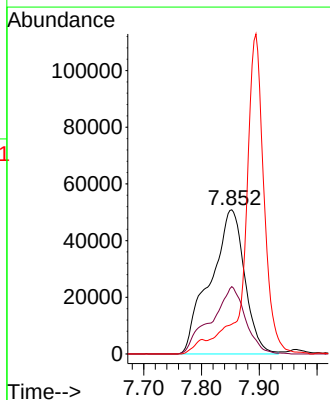
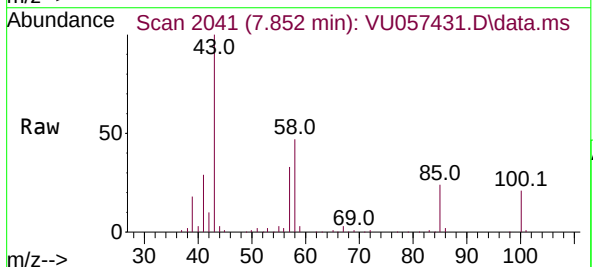
Instrument :
 MSVOA_U
 ClientSampleId :

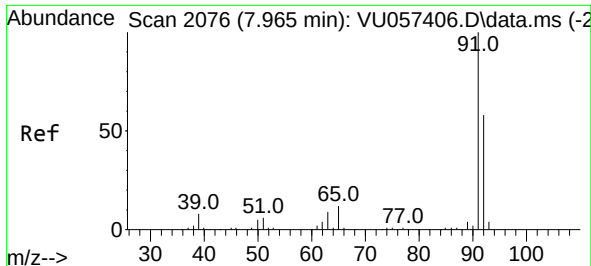
Tgt Ion: 75 Resp: 180218
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 104.843 ug/L
 RT: 7.852 min Scan# 2041
 Delta R.T. 0.051 min
 Lab File: VU057431.D
 Acq: 09 Jan 2024 11:19

Tgt Ion: 43 Resp: 209921
 Ion Ratio Lower Upper
 43 100
 58 46.7 36.2 54.4
 100 117.5 16.6 24.8#





#42

Toluene

Concen: 50.877 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

Instrument :

MSVOA_U

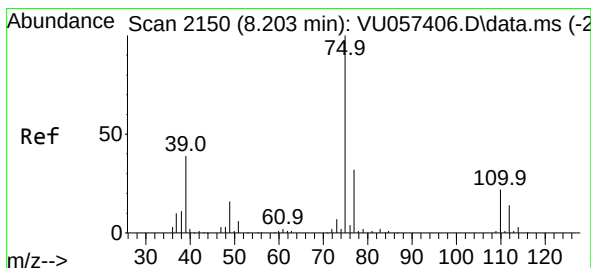
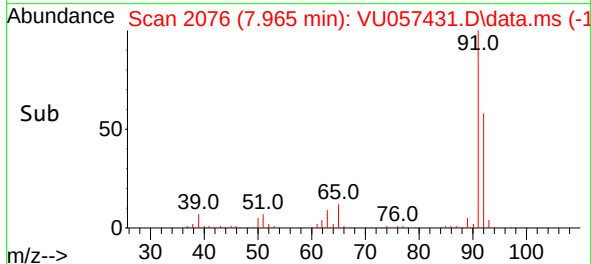
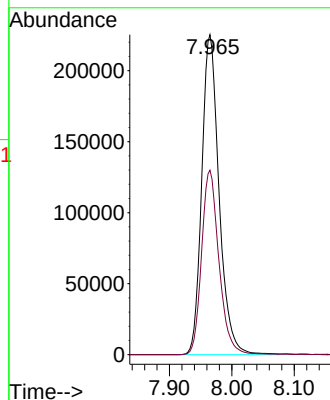
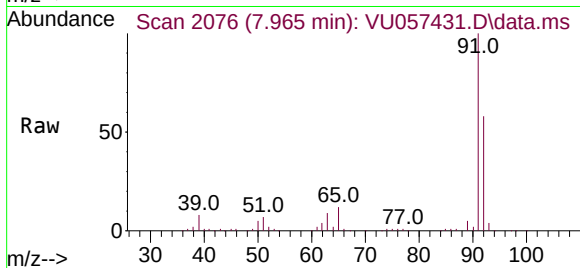
ClientSampleId :

Tgt Ion: 91 Resp: 435654

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 52.232 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU057431.D

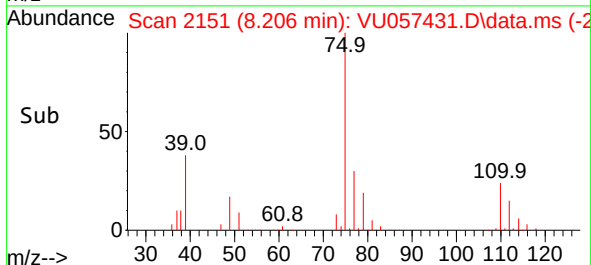
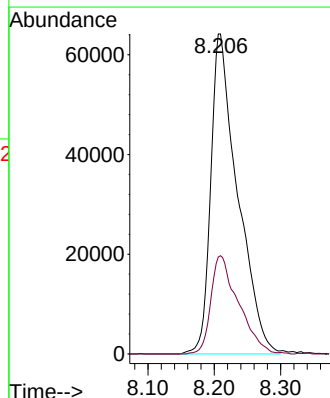
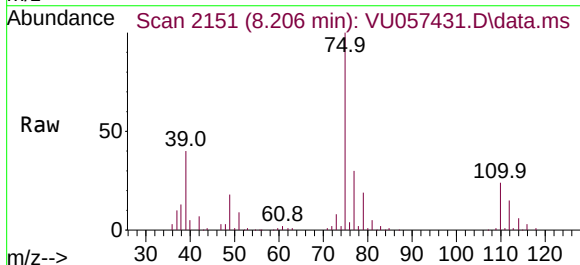
Acq: 09 Jan 2024 11:19

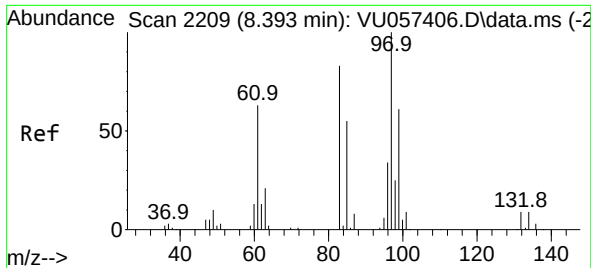
Tgt Ion: 75 Resp: 180441

Ion Ratio Lower Upper

75 100

77 30.3 21.3 39.5



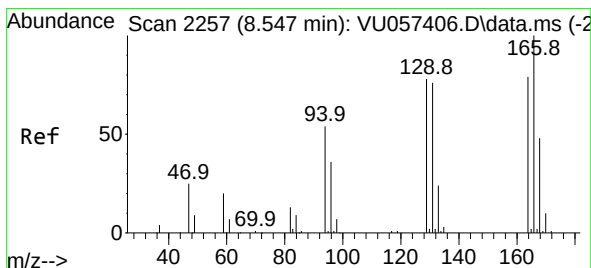
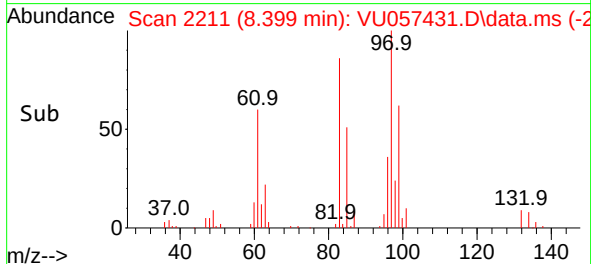
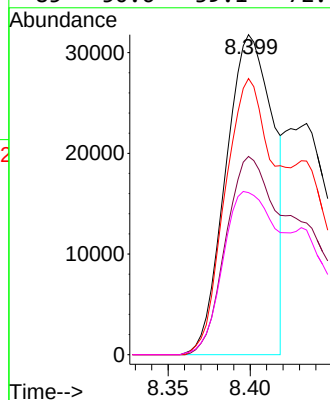
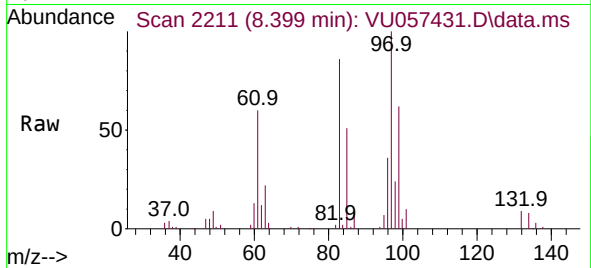


#45
1,1,2-Trichloroethane
Concen: 29.502 ug/L
RT: 8.399 min Scan# 2209
Delta R.T. 0.006 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 63788

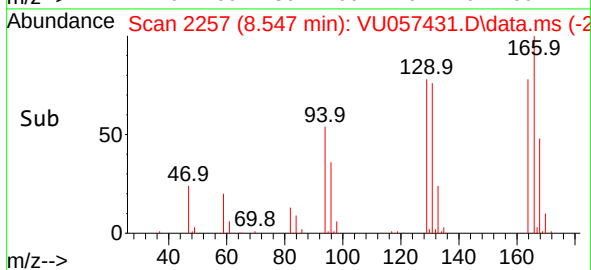
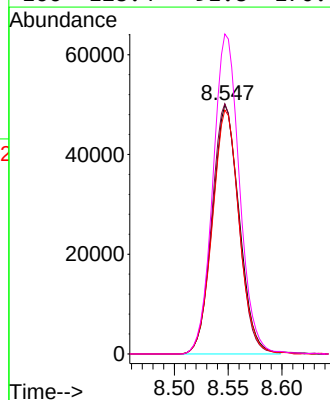
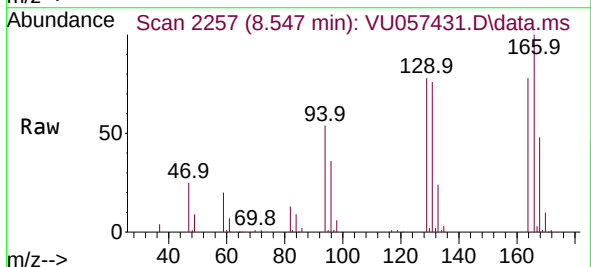
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.3	80.5
83	86.3	56.9	105.7
85	50.6	39.1	72.7

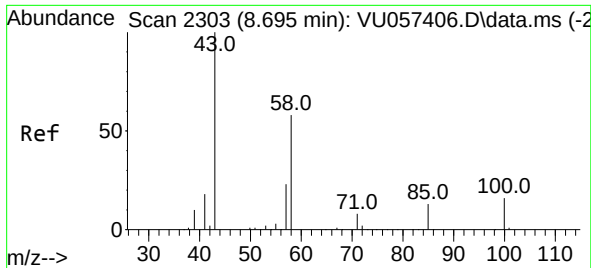


#46
Tetrachloroethene
Concen: 49.321 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Tgt Ion: 164 Resp: 86739

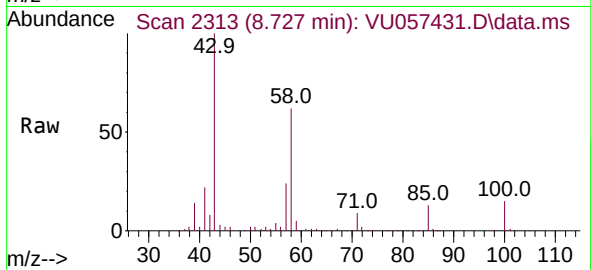
Ion	Ratio	Lower	Upper
164	100		
129	100.4	72.3	134.3
131	97.9	68.8	127.8
166	128.4	91.8	170.4



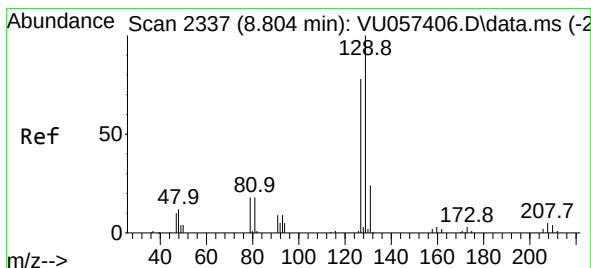
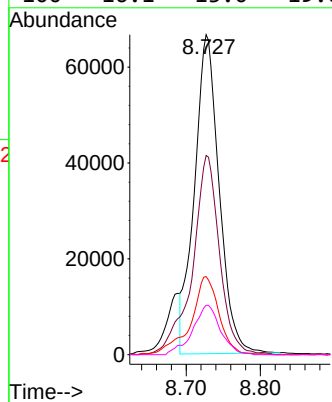
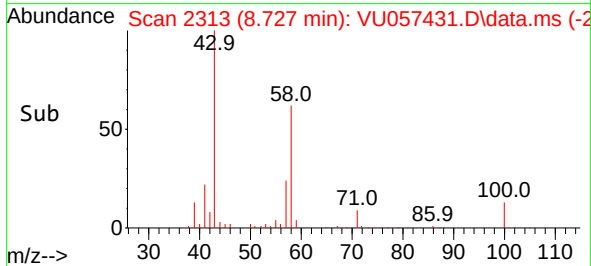


#48
2-Hexanone
Concen: 95.587 ug/L
RT: 8.727 min Scan# 2133
Delta R.T. 0.032 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Instrument :
MSVOA_U
ClientSampleId :

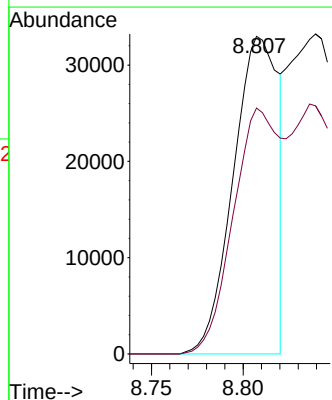
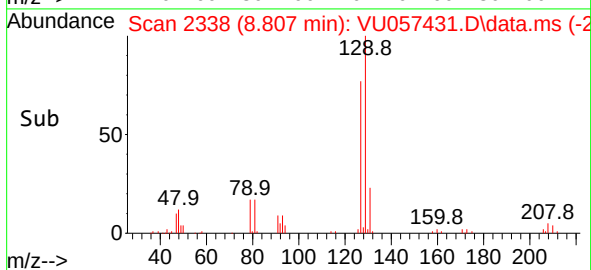
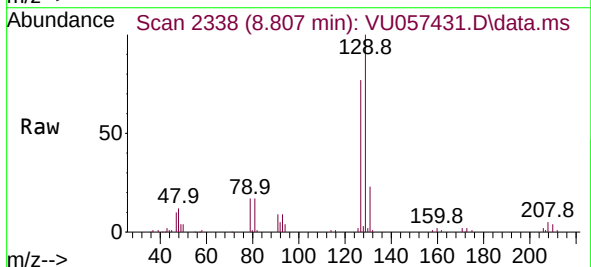


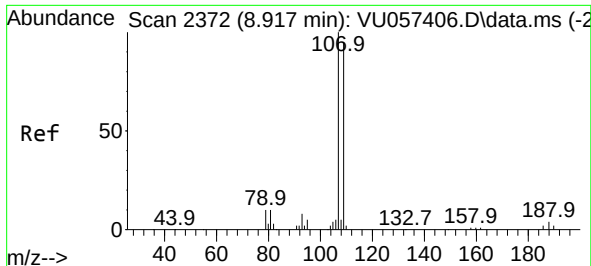
Tgt Ion: 43 Resp: 153977
Ion Ratio Lower Upper
43 100
58 68.3 49.4 74.2
57 27.9 19.1 28.7
100 16.1 13.0 19.6



#49
Dibromochloromethane
Concen: 21.344 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

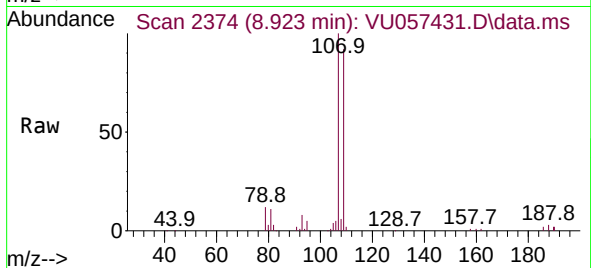
Tgt Ion: 129 Resp: 56242
Ion Ratio Lower Upper
129 100
127 77.4 54.5 101.1



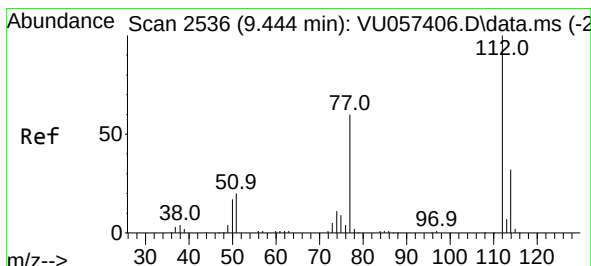
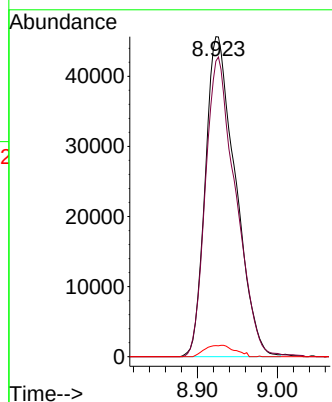
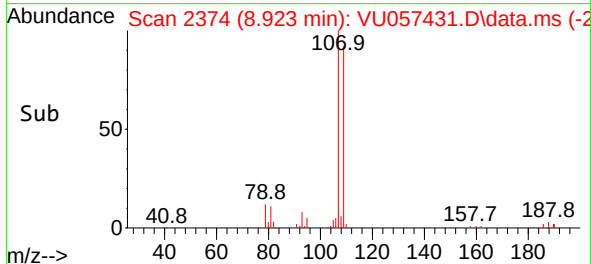


#50
 1,2-Dibromoethane
 Concen: 51.999 ug/L
 RT: 8.923 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VU057431.D
 Acq: 09 Jan 2024 11:19

Instrument :
 MSVOA_U
 ClientSampleId :

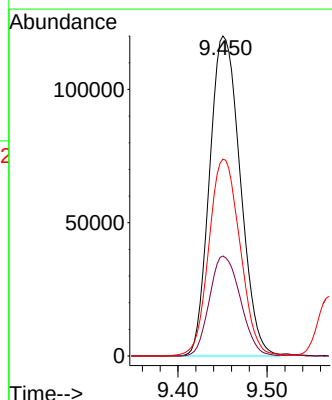
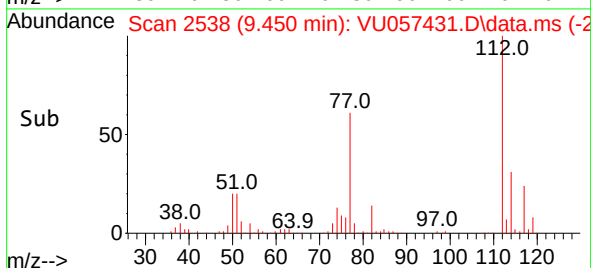
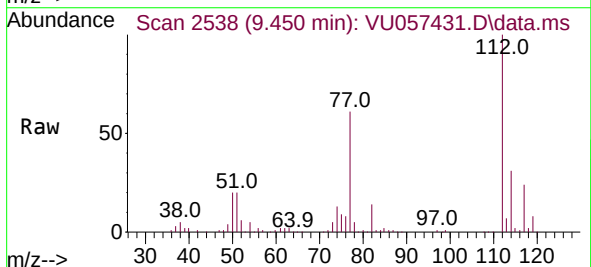


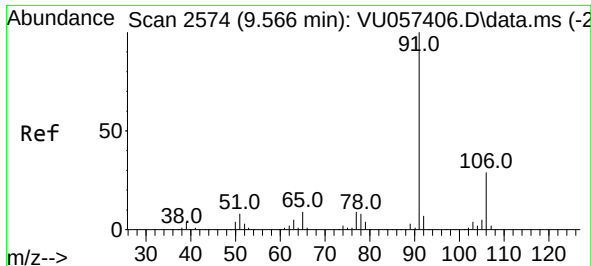
Tgt Ion:107 Resp: 119261
 Ion Ratio Lower Upper
 107 100
 109 92.4 64.4 119.6
 188 3.5 2.8 4.2



#51
 Chlorobenzene
 Concen: 49.933 ug/L
 RT: 9.450 min Scan# 2538
 Delta R.T. 0.006 min
 Lab File: VU057431.D
 Acq: 09 Jan 2024 11:19

Tgt Ion:112 Resp: 287295
 Ion Ratio Lower Upper
 112 100
 114 31.2 22.5 41.7
 77 61.5 50.1 75.1

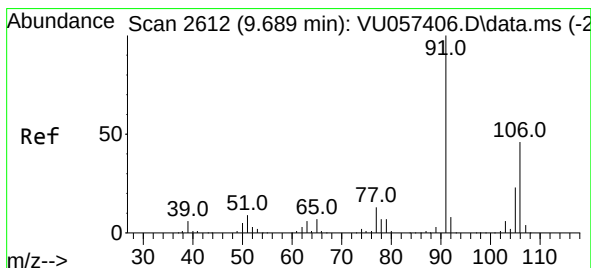
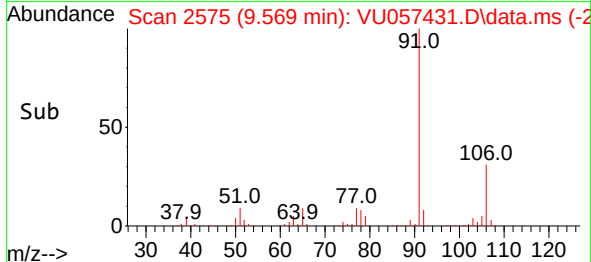
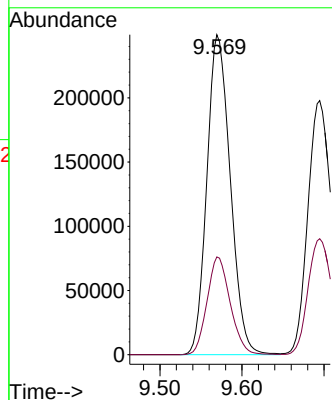
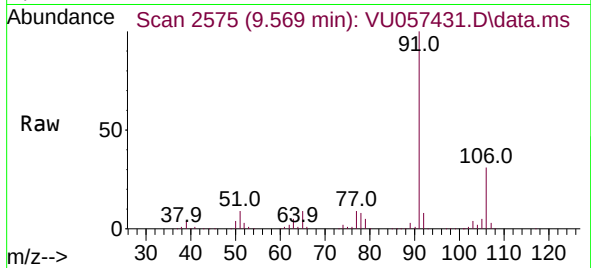




#52
Ethylbenzene
Concen: 51.892 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

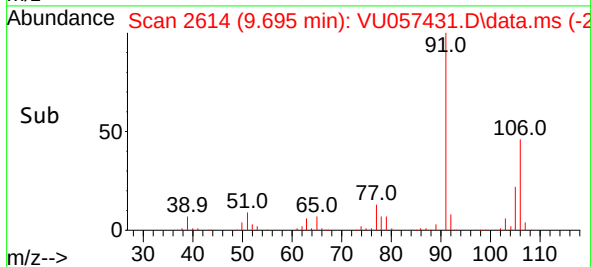
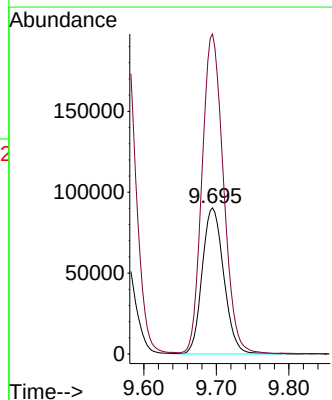
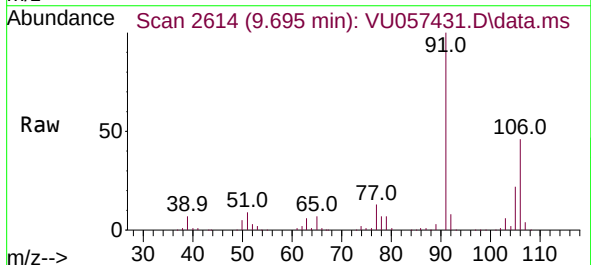
Instrument :
MSVOA_U
ClientSampleId :

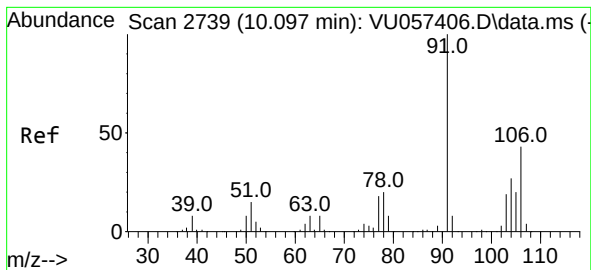
Tgt Ion: 91 Resp: 494798
Ion Ratio Lower Upper
91 100
106 30.6 21.0 39.0



#53
m,p-Xylene
Concen: 52.458 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.006 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Tgt Ion:106 Resp: 186982
Ion Ratio Lower Upper
106 100
91 219.0 151.8 281.8





#54

o-Xylene

Concen: 51.632 ug/L

RT: 10.103 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

Instrument :

MSVOA_U

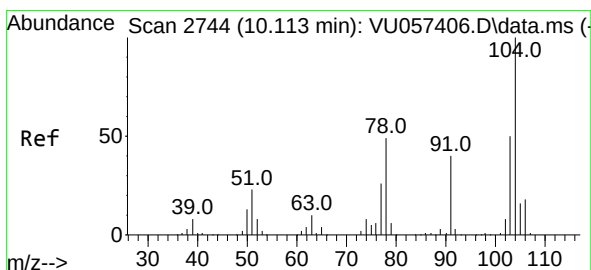
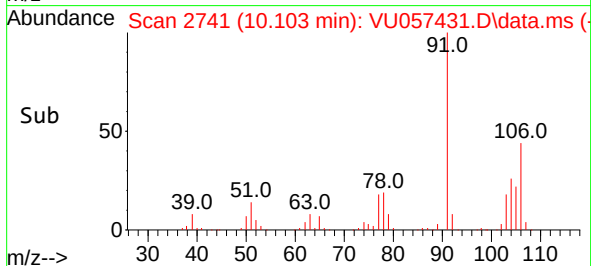
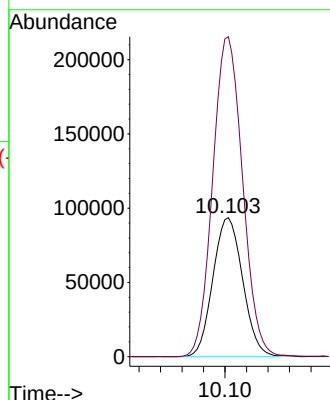
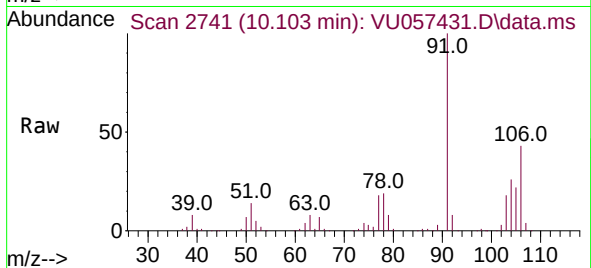
ClientSampleId :

Tgt Ion:106 Resp: 179728

Ion Ratio Lower Upper

106 100

91 230.2 160.4 297.8



#55

Styrene

Concen: 51.496 ug/L

RT: 10.122 min Scan# 2747

Delta R.T. 0.009 min

Lab File: VU057431.D

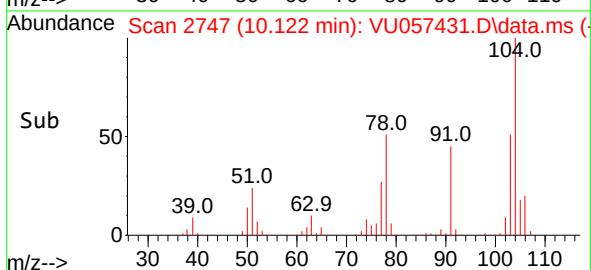
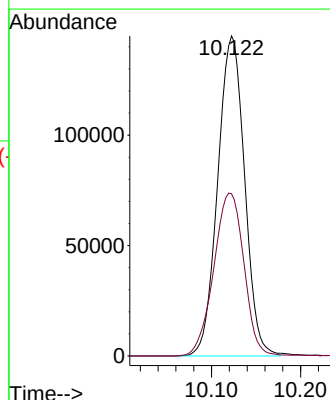
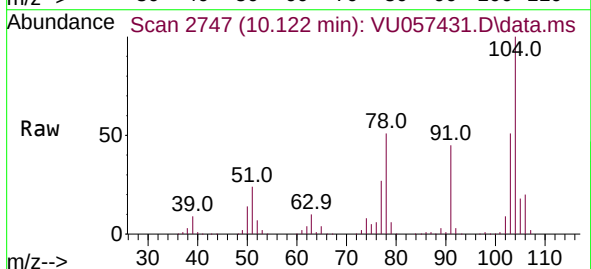
Acq: 09 Jan 2024 11:19

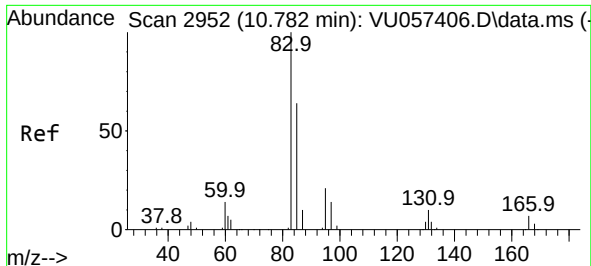
Tgt Ion:104 Resp: 303550

Ion Ratio Lower Upper

104 100

78 50.7 35.8 66.6





#57

1,1,2,2-Tetrachloroethane

Concen: 46.971 ug/L

RT: 10.791 min Scan# 2955

Delta R.T. 0.009 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

Instrument :

MSVOA_U

ClientSampleId :

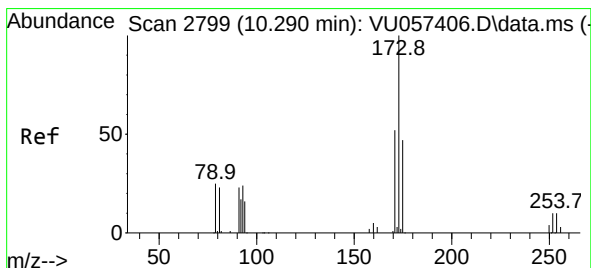
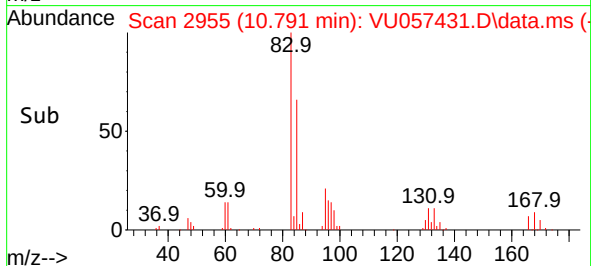
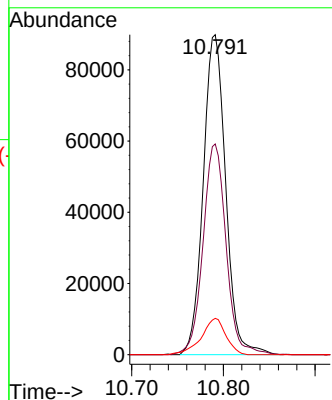
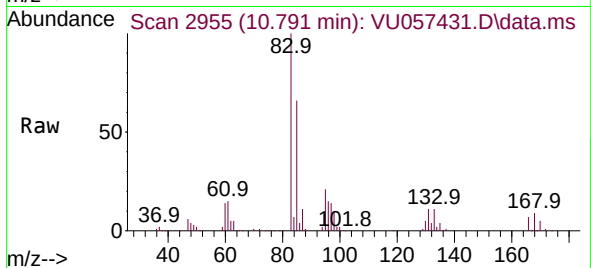
Tgt Ion: 83 Resp: 153139

Ion Ratio Lower Upper

83 100

85 65.9 47.9 88.9

131 11.4 9.8 14.8



#59

Bromoform

Concen: 50.470 ug/L

RT: 10.306 min Scan# 2804

Delta R.T. 0.016 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

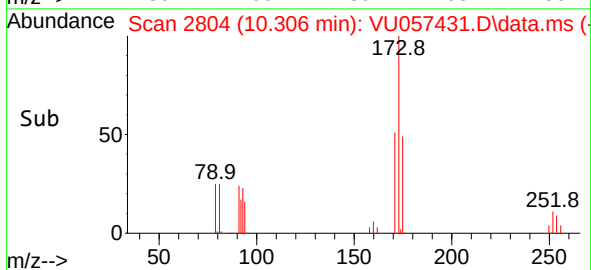
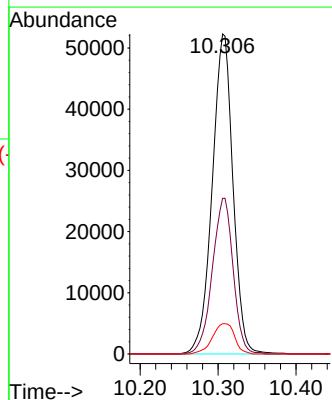
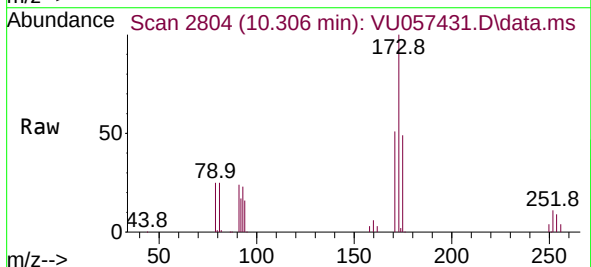
Tgt Ion:173 Resp: 96780

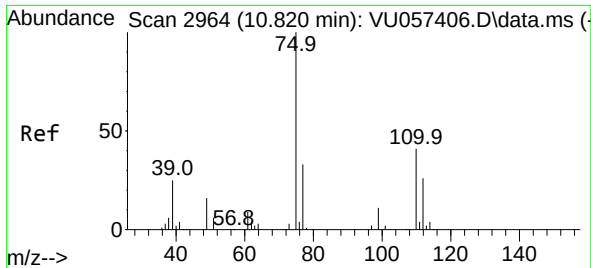
Ion Ratio Lower Upper

173 100

175 48.7 38.4 57.6

254 10.2 7.9 11.9

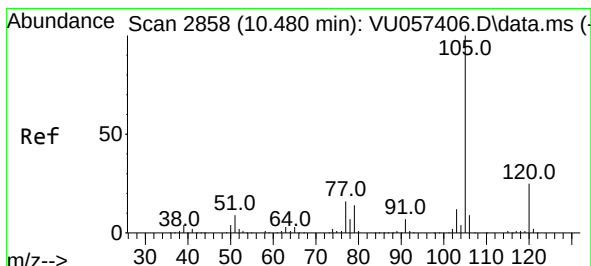
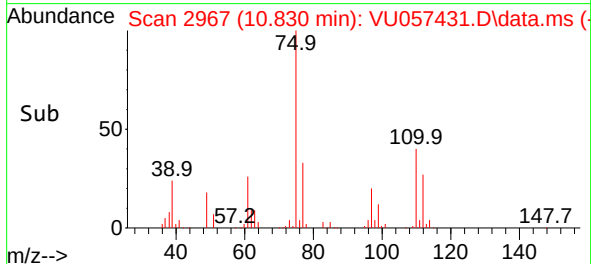
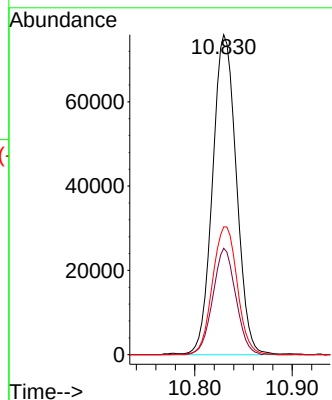
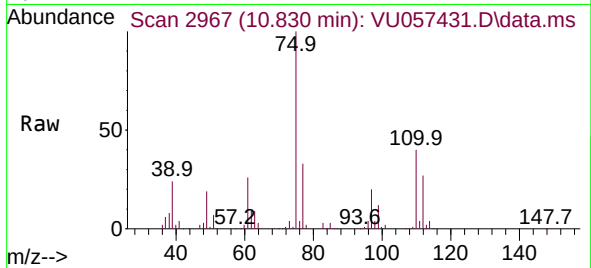




#60
1,2,3-Trichloropropane
Concen: 51.467 ug/L
RT: 10.830 min Scan# 2964
Delta R.T. 0.009 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

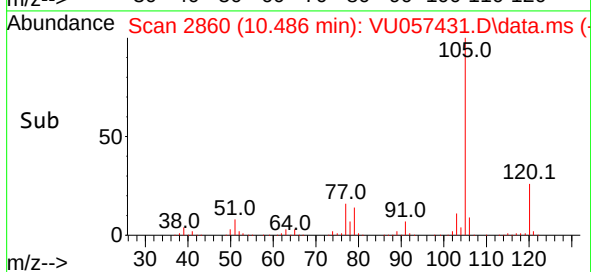
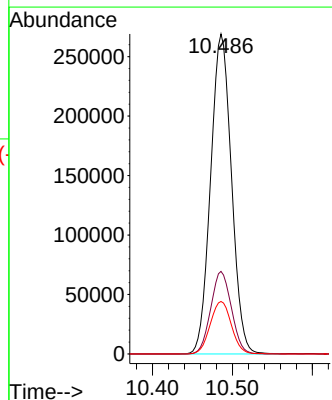
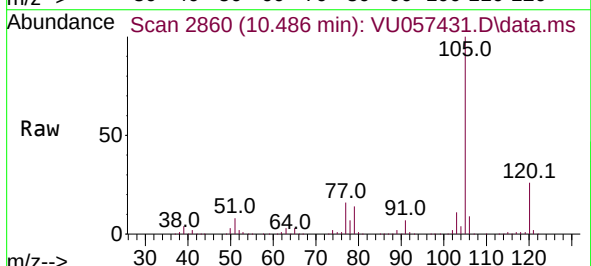
Instrument :
MSVOA_U
ClientSampleId :

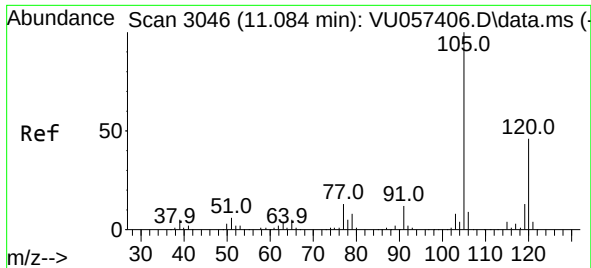
Tgt Ion: 75 Resp: 128925
Ion Ratio Lower Upper
75 100
77 32.0 26.0 39.0
110 41.6 33.6 50.4



#61
Isopropylbenzene
Concen: 56.247 ug/L
RT: 10.486 min Scan# 2860
Delta R.T. 0.006 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Tgt Ion: 105 Resp: 487145
Ion Ratio Lower Upper
105 100
120 25.5 19.9 29.9
77 16.6 13.3 19.9

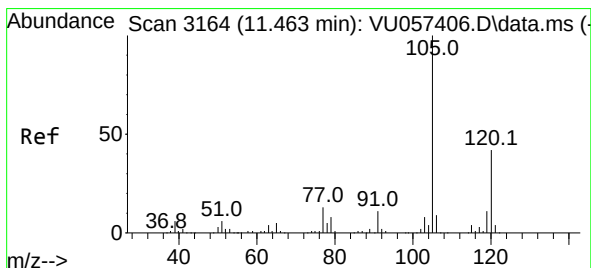
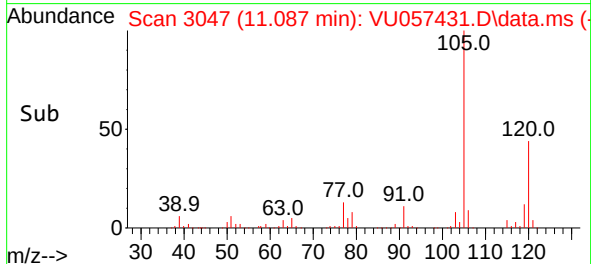
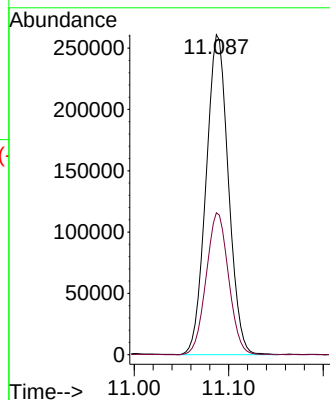
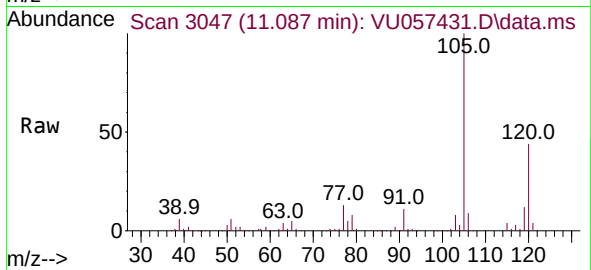




#62
 1,3,5-Trimethylbenzene
 Concen: 57.906 ug/L
 RT: 11.087 min Scan# 3046
 Delta R.T. 0.003 min
 Lab File: VU057431.D
 Acq: 09 Jan 2024 11:19

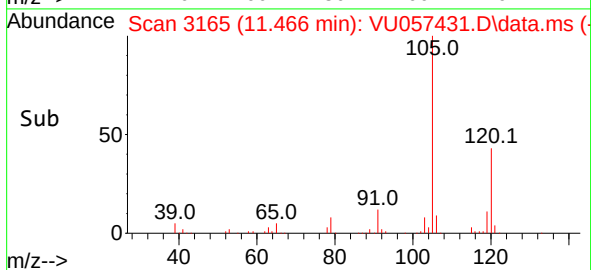
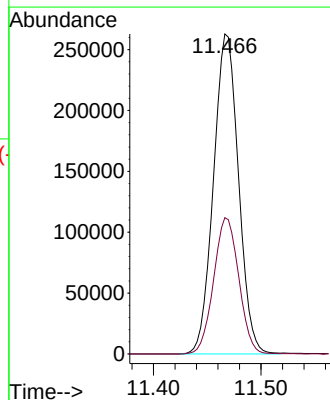
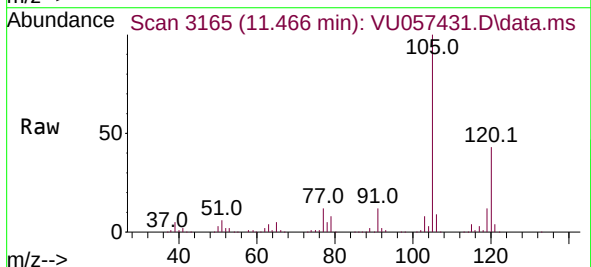
Instrument :
 MSVOA_U
 ClientSampleId :

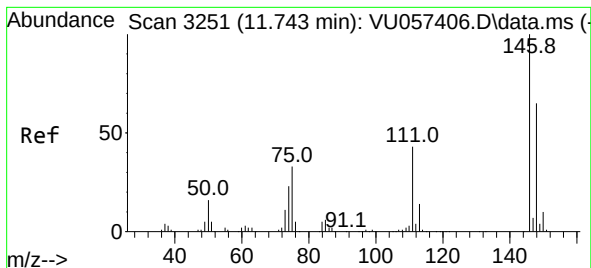
Tgt Ion:105 Resp: 428899
 Ion Ratio Lower Upper
 105 100
 120 44.4 36.1 54.1



#63
 1,2,4-Trimethylbenzene
 Concen: 58.393 ug/L
 RT: 11.466 min Scan# 3165
 Delta R.T. 0.003 min
 Lab File: VU057431.D
 Acq: 09 Jan 2024 11:19

Tgt Ion:105 Resp: 424579
 Ion Ratio Lower Upper
 105 100
 120 42.8 33.4 50.2





#64

1,3-Dichlorobenzene

Concen: 53.081 ug/L

RT: 11.746 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

Instrument :

MSVOA_U

ClientSampleId :

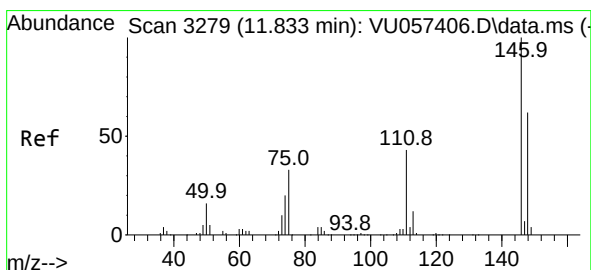
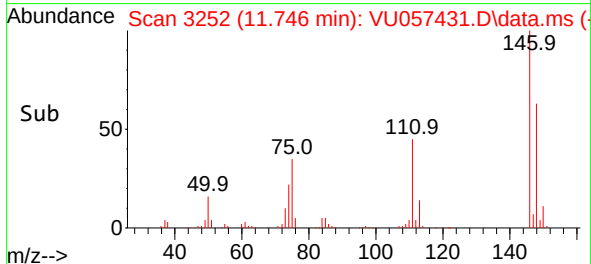
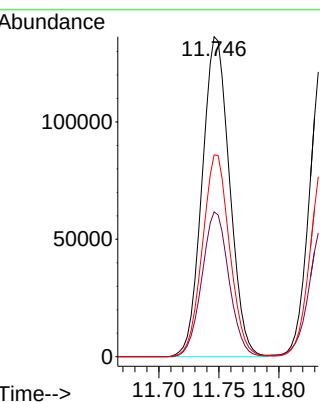
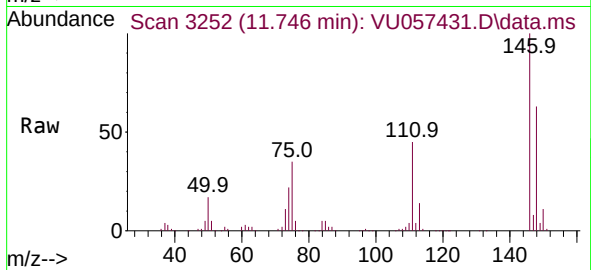
Tgt Ion:146 Resp: 216658

Ion Ratio Lower Upper

146 100

111 45.3 31.6 58.8

148 63.1 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 51.259 ug/L

RT: 11.836 min Scan# 3280

Delta R.T. 0.003 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

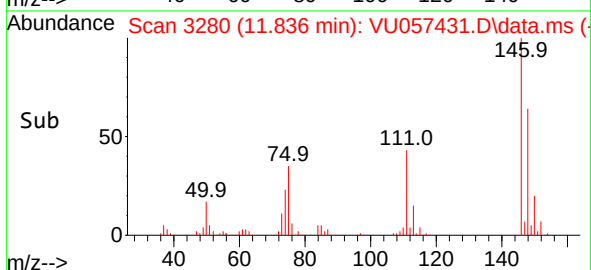
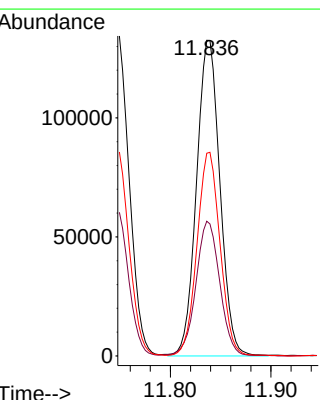
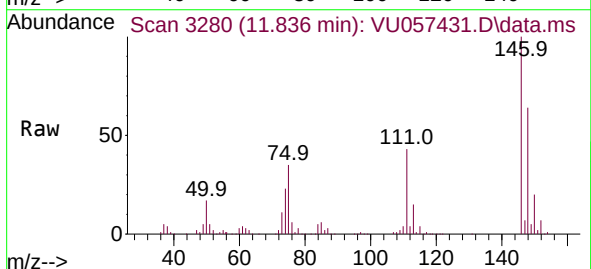
Tgt Ion:146 Resp: 214768

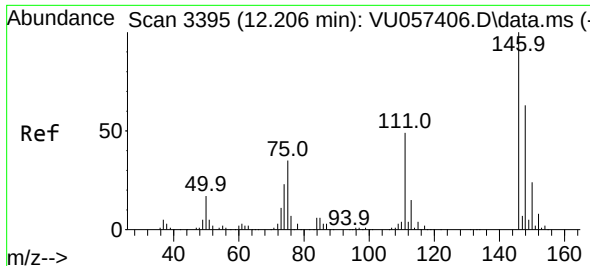
Ion Ratio Lower Upper

146 100

111 42.7 30.3 56.3

148 64.2 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 51.355 ug/L

RT: 12.212 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

Instrument :

MSVOA_U

ClientSampleId :

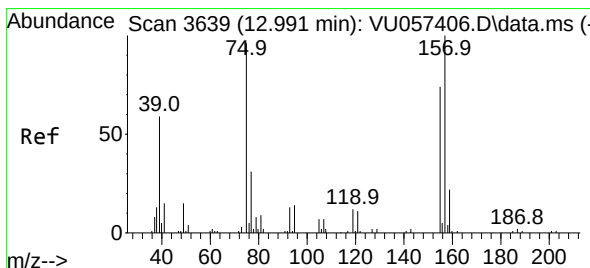
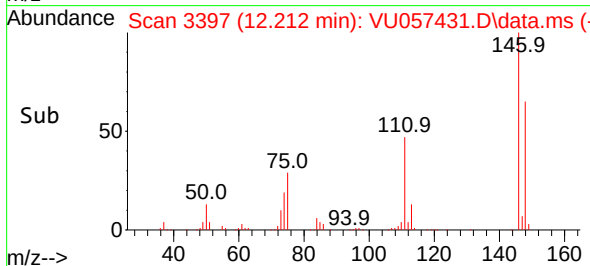
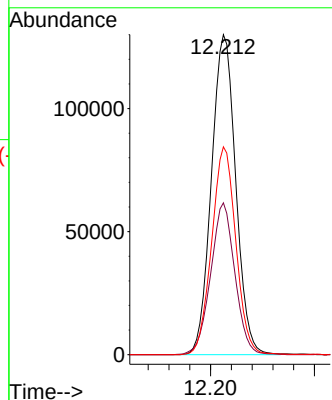
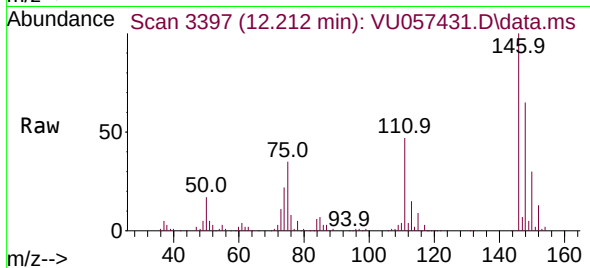
Tgt Ion:146 Resp: 211276

Ion Ratio Lower Upper

146 100

111 47.4 36.9 55.3

148 64.9 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 50.108 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU057431.D

Acq: 09 Jan 2024 11:19

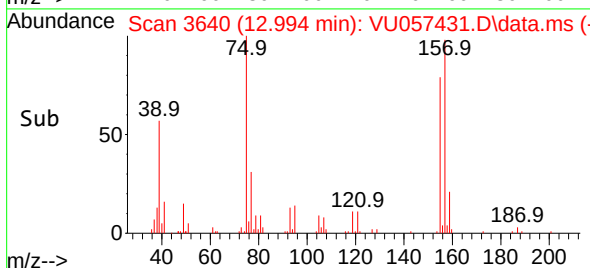
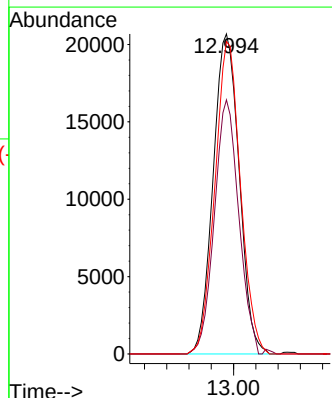
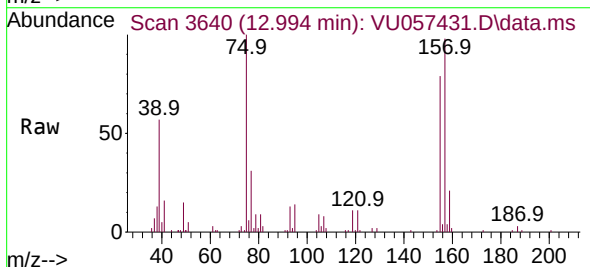
Tgt Ion: 75 Resp: 33516

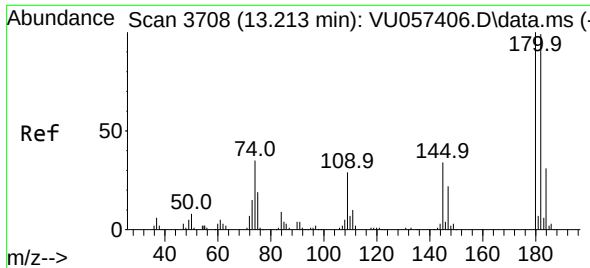
Ion Ratio Lower Upper

75 100

155 79.4 64.3 96.5

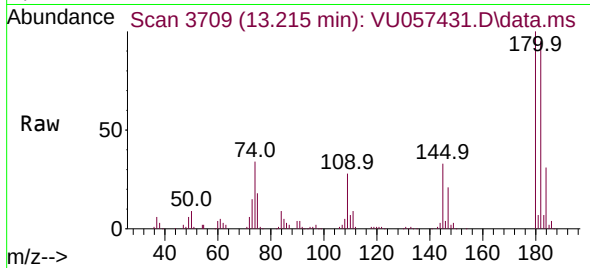
157 101.4 73.8 110.6



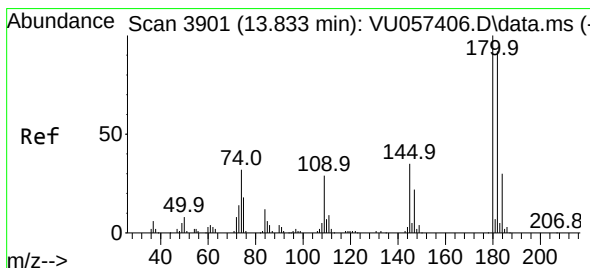
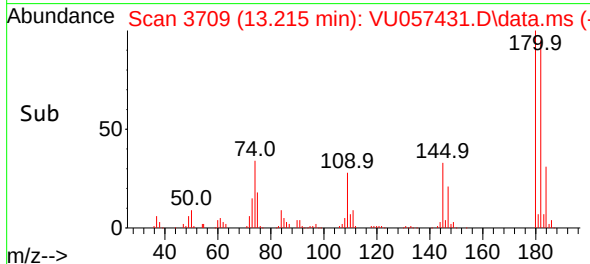
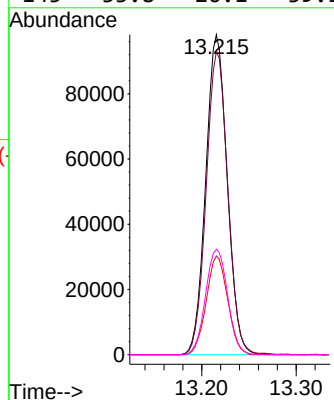


#69
 1,3,5-Trichlorobenzene
 Concen: 52.989 ug/L
 RT: 13.215 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU057431.D
 Acq: 09 Jan 2024 11:19

Instrument :
 MSVOA_U
 ClientSampleId :

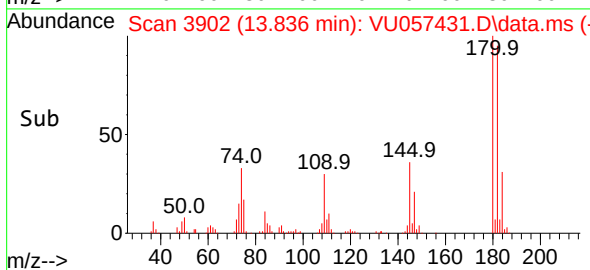
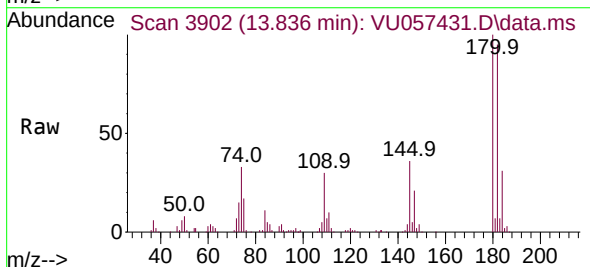
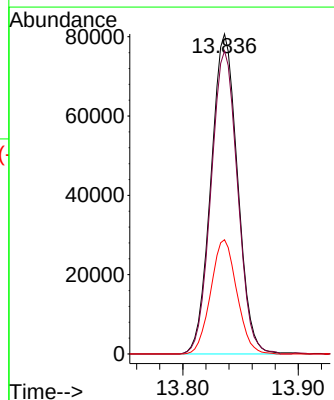


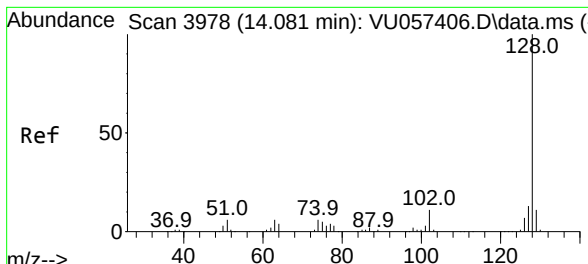
Tgt Ion:180 Resp: 154819
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.6 113.4
 184 30.8 23.9 35.9
 145 33.8 26.1 39.1



#70
 1,2,4-trichlorobenzene
 Concen: 57.921 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.003 min
 Lab File: VU057431.D
 Acq: 09 Jan 2024 11:19

Tgt Ion:180 Resp: 128843
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.8 113.8
 145 35.1 27.4 41.0



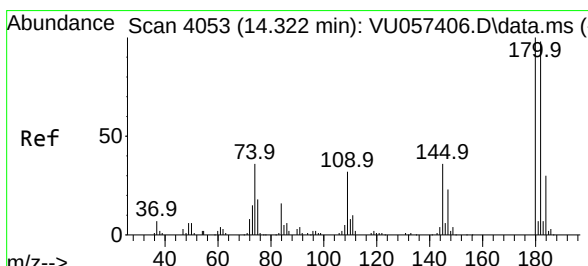
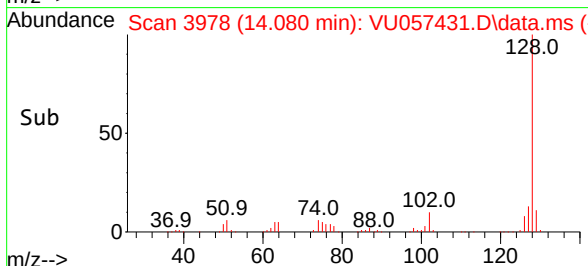
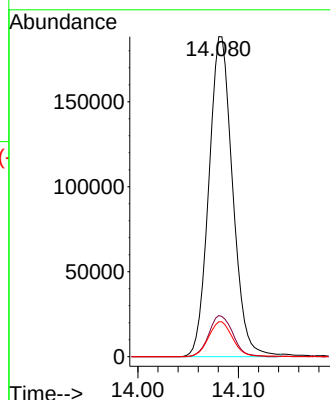
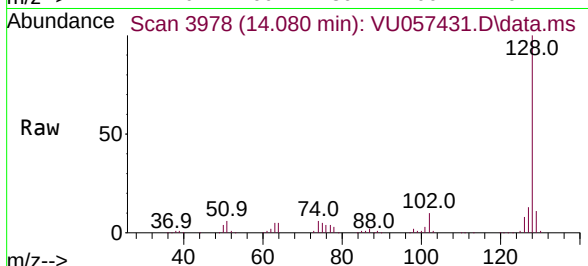


#71
Naphthalene
Concen: 59.575 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 309647

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 58.955 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU057431.D
Acq: 09 Jan 2024 11:19

Tgt Ion:180 Resp: 124021

Ion	Ratio	Lower	Upper
180	100		
182	93.5	77.5	116.3
145	34.8	28.2	42.4

