

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
 Data File : VU051160.D
 Acq On : 06 Oct 2022 05:01
 Operator : JC/MD
 Sample : N4890-03MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 06 06:35:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 06 06:20:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	431943	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	424617	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	206113	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	134065	30.626	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.260%
7) Chloroethane-d5	1.896	69	127402	31.331	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	62.660%#
11) 1,1-Dichloroethene-d2	2.562	63	253518	39.206	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.420%
21) 2-Butanone-d5	4.620	46	270885	95.409	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.410%
24) Chloroform-d	5.060	84	316819	44.922	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.840%
26) 1,2-Dichloroethane-d4	5.700	65	196084	44.918	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.840%
32) Benzene-d6	5.723	84	618929	49.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.560%
36) 1,2-Dichloropropane-d6	6.687	67	209457	51.912	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.820%
41) Toluene-d8	7.896	98	550889	47.952	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.900%
43) trans-1,3-Dichloroprop...	8.179	79	85682	44.522	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.040%
47) 2-Hexanone-d5	8.632	63	144677	88.802	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.800%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	340715	48.317	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.640%
66) 1,2-Dichlorobenzene-d4	12.192	152	203844	46.295	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	153967	42.508	ug/L	100
3) Chloromethane	1.520	50	208912	48.817	ug/L	100
5) Vinyl chloride	1.604	62	215708	47.495	ug/L	98
6) Bromomethane	1.832	94	116251	30.901	ug/L	98
8) Chloroethane	1.919	64	140892	42.246	ug/L	99
9) Trichlorofluoromethane	2.131	101	244876	40.099	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	143792	43.606	ug/L	98
12) 1,1-Dichloroethene	2.575	96	146459	47.547	ug/L	89
13) Acetone	2.623	43	197083	86.928	ug/L	98
14) Carbon disulfide	2.787	76	421394	46.280	ug/L	100
15) Methyl Acetate	2.945	43	163480	39.495	ug/L	98
16) Methylene chloride	3.041	84	197228	44.603	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	157287	47.997	ug/L	96
18) Methyl tert-butyl Ether	3.362	73	528266	53.046	ug/L	99
19) 1,1-Dichloroethane	3.864	63	327822	52.664	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	189426	51.771	ug/L	98
22) 2-Butanone	4.700	43	309947	98.947	ug/L	97
23) Bromochloromethane	4.970	128	99385	49.574	ug/L	92
25) Chloroform	5.086	83	333502	49.256	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
 Data File : VU051160.D
 Acq On : 06 Oct 2022 05:01
 Operator : JC/MD
 Sample : N4890-03MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

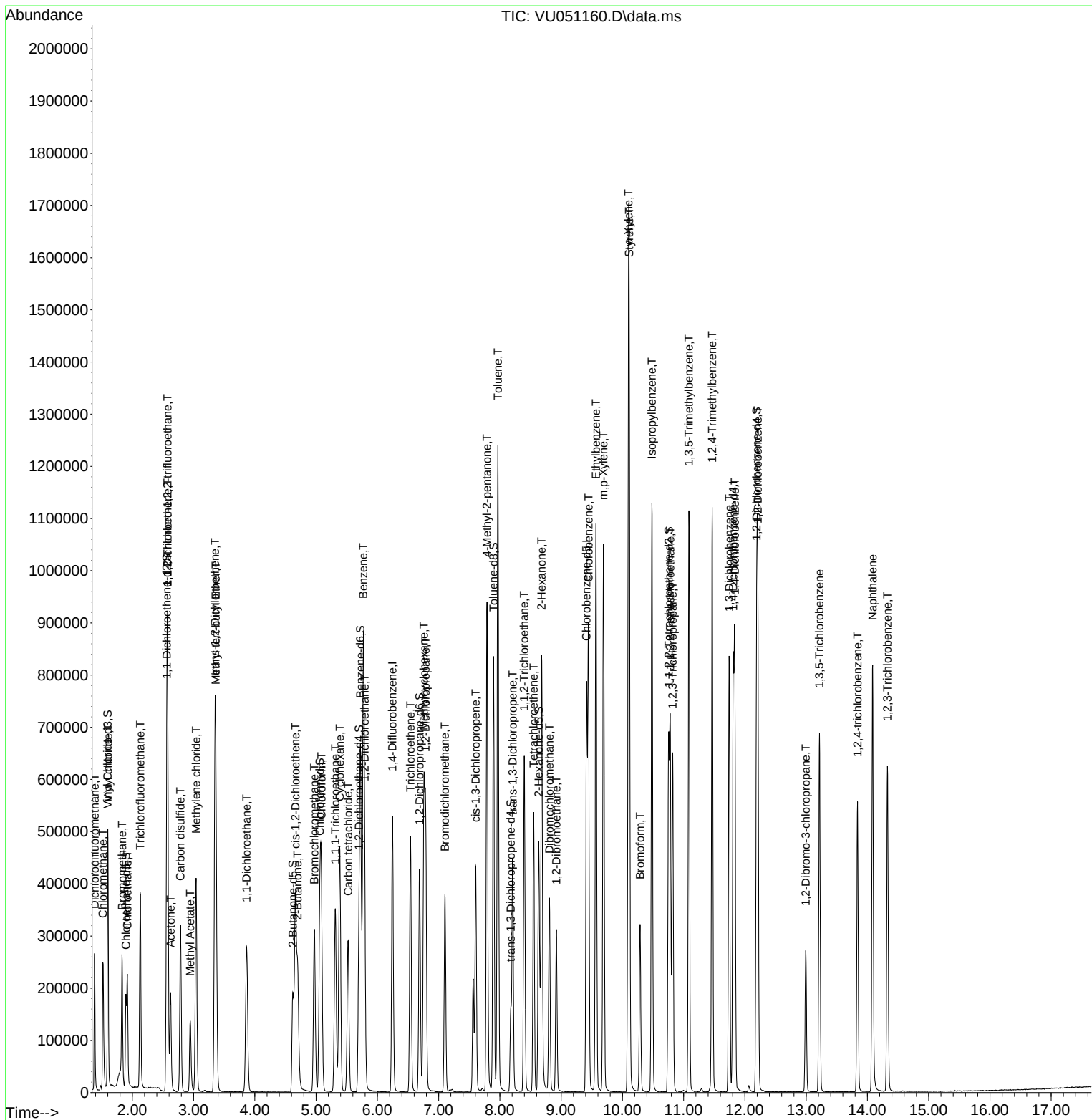
Instrument :
 MSVOA_U
 ClientSampleId :

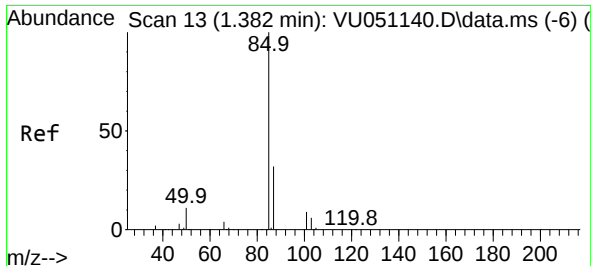
Quant Time: Oct 06 06:35:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 06 06:20:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	261653	50.448	ug/L	99
29) Cyclohexane	5.385	56	232464	56.226	ug/L	96
30) 1,1,1-Trichloroethane	5.314	97	255516	51.310	ug/L	100
31) Carbon tetrachloride	5.523	117	199812	49.177	ug/L	98
33) Benzene	5.771	78	753569	58.212	ug/L	100
34) Trichloroethene	6.539	95	173307	51.688	ug/L	99
35) Methylcyclohexane	6.761	83	220081	48.227	ug/L	96
37) 1,2-Dichloropropane	6.787	63	203037	58.243	ug/L	99
38) Bromodichloromethane	7.102	83	249395	53.608	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	260992	52.865	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	588184	116.508	ug/L	99
42) Toluene	7.967	91	906964	65.868	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	247809	49.643	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	199503	52.835	ug/L	99
46) Tetrachloroethene	8.552	164	118157	46.501	ug/L	98
48) 2-Hexanone	8.681	43	501663	109.402	ug/L	99
49) Dibromochloromethane	8.809	129	193801	48.816	ug/L	99
50) 1,2-Dibromoethane	8.922	107	204310	49.905	ug/L	95
51) Chlorobenzene	9.446	112	470321	50.228	ug/L	100
52) Ethylbenzene	9.568	91	755773	51.458	ug/L	98
53) m,p-Xylene	9.690	106	297408	53.848	ug/L	98
54) o-Xylene	10.099	106	297578	53.904	ug/L	99
55) Styrene	10.111	104	506499	53.084	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	362979	54.315	ug/L	99
59) Bromoform	10.288	173	143670	47.374	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	279332	51.499	ug/L	98
61) Isopropylbenzene	10.481	105	716936	53.545	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	589730	53.864	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	595720	54.288	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	335969	48.673	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	336215	48.728	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	358883	50.606	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	72569	45.847	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	210862	45.049	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	170770	44.590	ug/L	99
71) Naphthalene	14.086	128	662533	48.334	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	199094	46.588	ug/L	100

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

Quant Time: Oct 06 06:35:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 06 06:20:30 2022
Response via : Initial Calibration

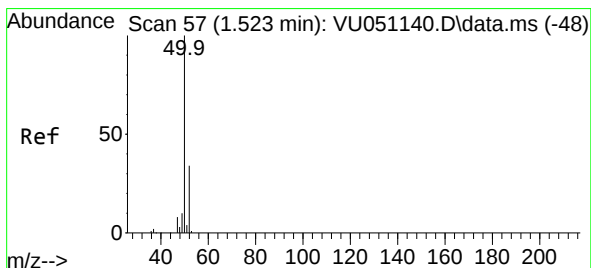
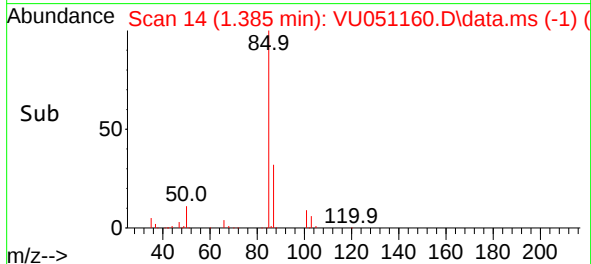
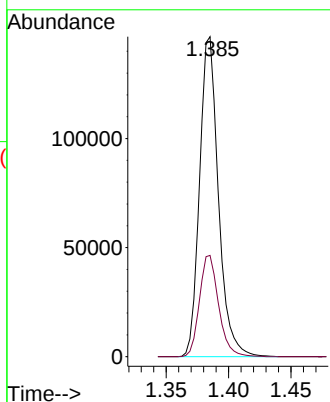
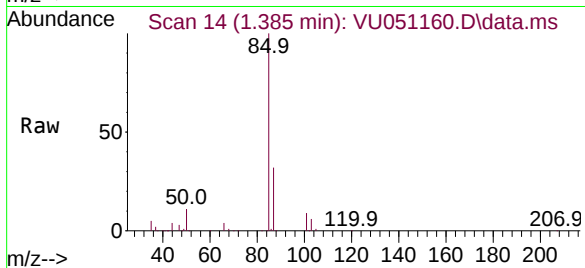




#2
Dichlorodifluoromethane
Concen: 42.508 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

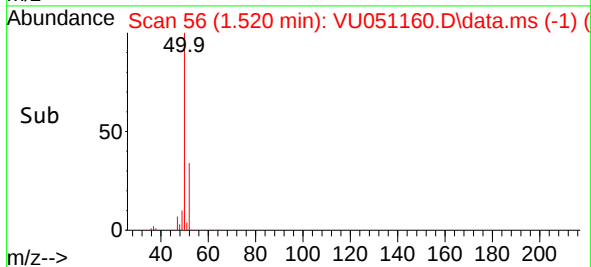
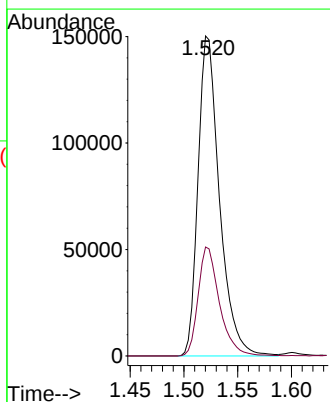
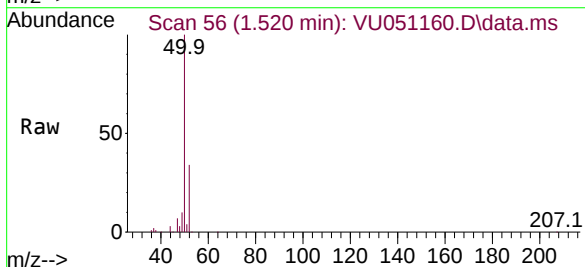
Instrument :
MSVOA_U
ClientSampleId :

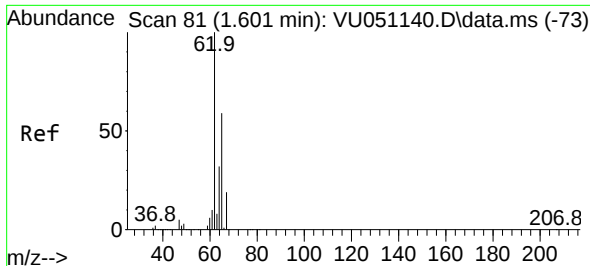
Tgt Ion: 85 Resp: 153967
Ion Ratio Lower Upper
85 100
87 32.1 25.9 38.9



#3
Chloromethane
Concen: 48.817 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

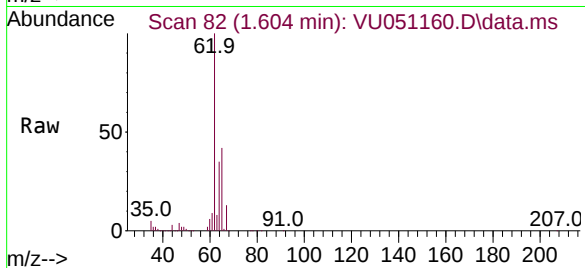
Tgt Ion: 50 Resp: 208912
Ion Ratio Lower Upper
50 100
52 34.1 23.7 44.1



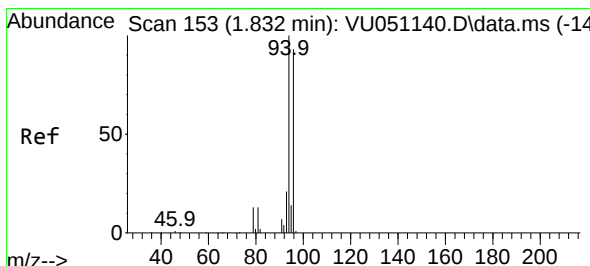
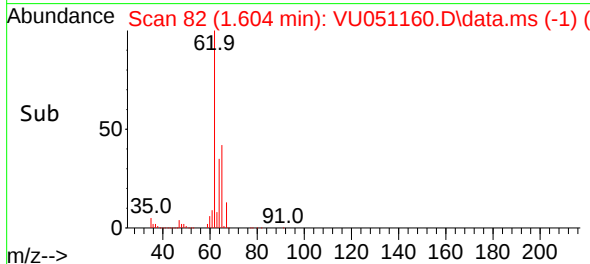
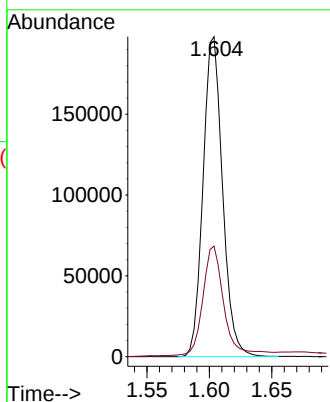


#5
 Vinyl chloride
 Concen: 47.495 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU051160.D
 Acq: 06 Oct 2022 05:01

Instrument :
 MSVOA_U
 ClientSampleId :

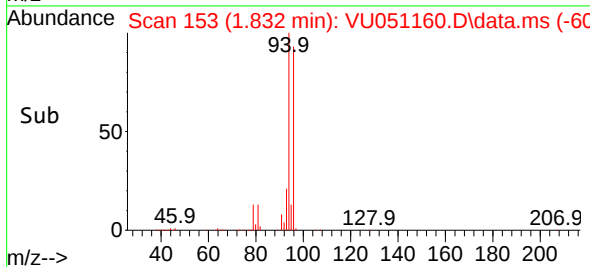
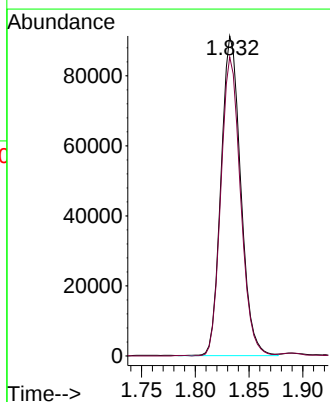
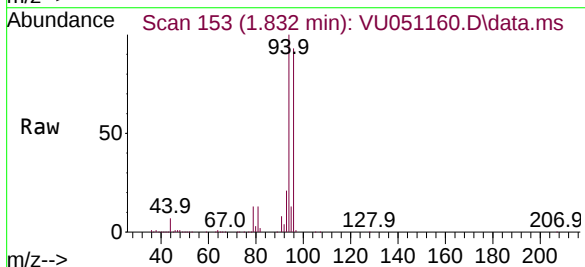


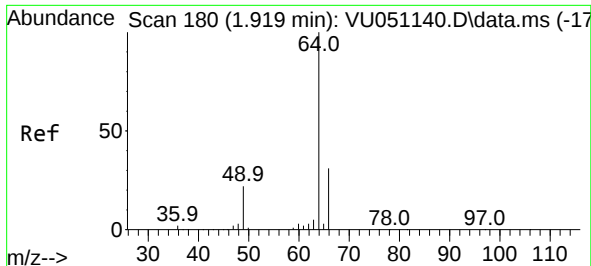
Tgt Ion: 62 Resp: 215708
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.5 43.7



#6
 Bromomethane
 Concen: 30.901 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.000 min
 Lab File: VU051160.D
 Acq: 06 Oct 2022 05:01

Tgt Ion: 94 Resp: 116251
 Ion Ratio Lower Upper
 94 100
 96 93.4 63.9 118.7

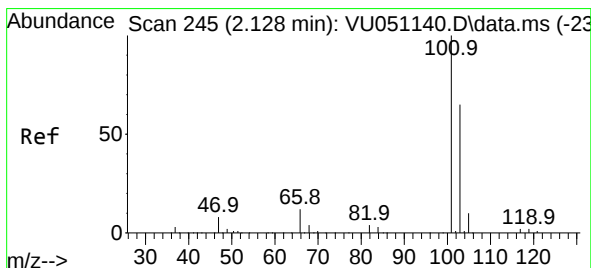
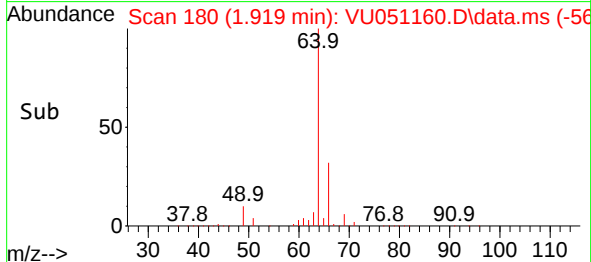
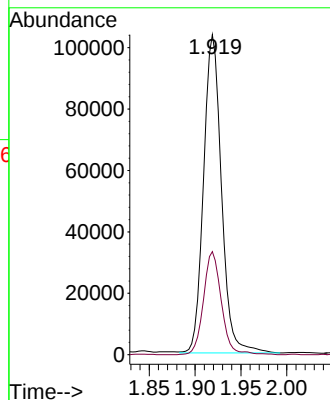
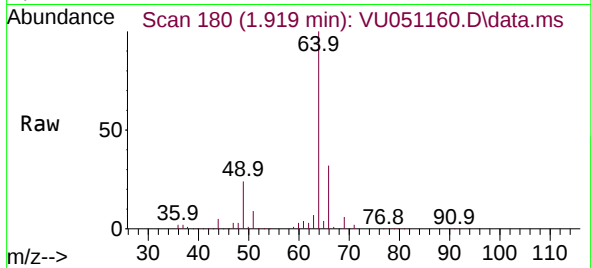




#8
Chloroethane
Concen: 42.246 ug/L
RT: 1.919 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

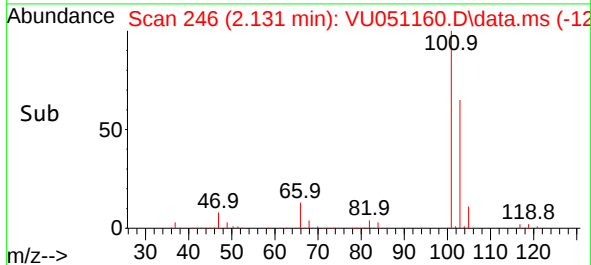
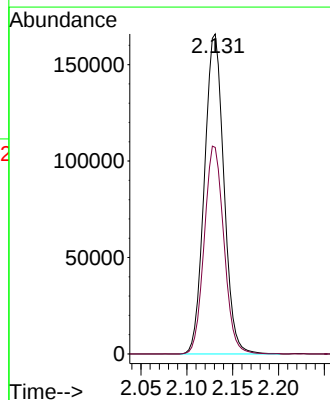
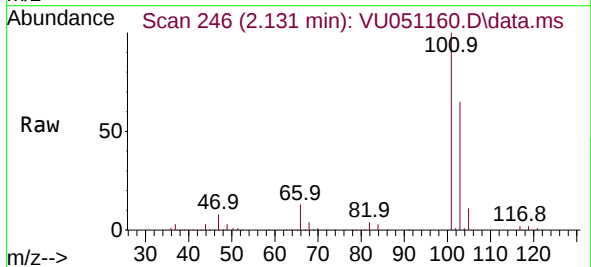
Instrument :
MSVOA_U
ClientSampleId :

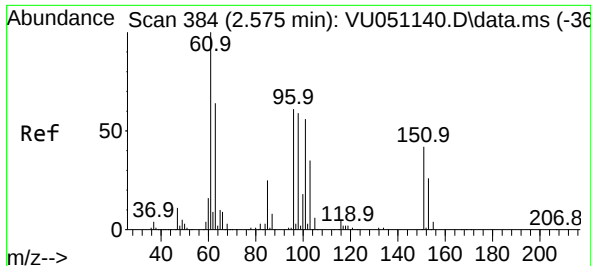
Tgt Ion: 64 Resp: 140892
Ion Ratio Lower Upper
64 100
66 32.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 40.099 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.003 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

Tgt Ion:101 Resp: 244876
Ion Ratio Lower Upper
101 100
103 65.5 51.8 77.6





#10

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

Concen: 43.606 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

ClientSampleId :

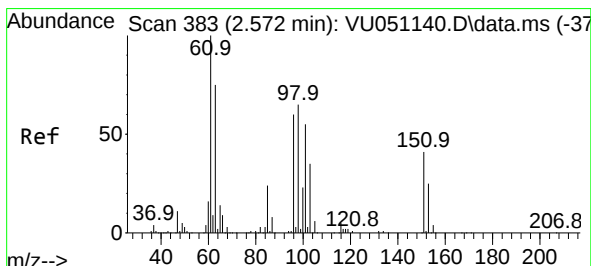
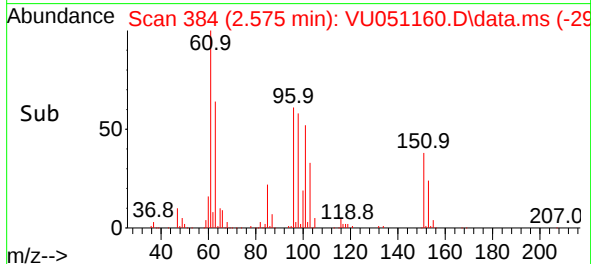
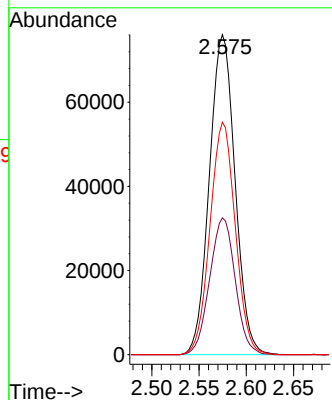
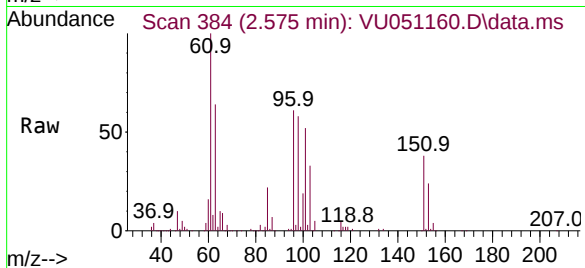
Tgt Ion:101 Resp: 143792

Ion Ratio Lower Upper

101 100

85 42.6 34.6 52.0

151 71.7 58.6 87.8



#12

1,1-Dichloroethene

Concen: 47.547 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.003 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

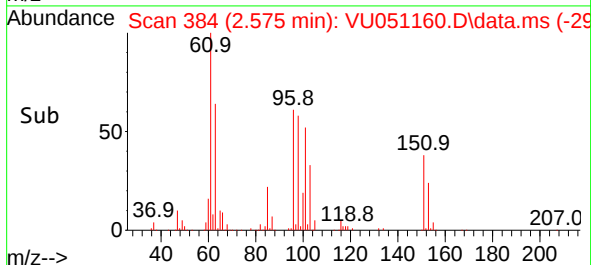
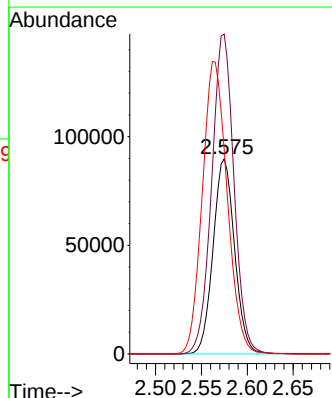
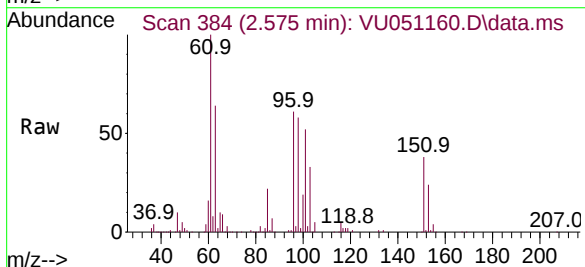
Tgt Ion: 96 Resp: 146459

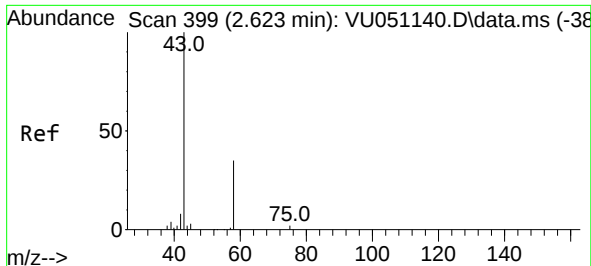
Ion Ratio Lower Upper

96 100

61 164.1 113.0 209.9

63 104.8 91.7 170.3





#13

Acetone

Concen: 86.928 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

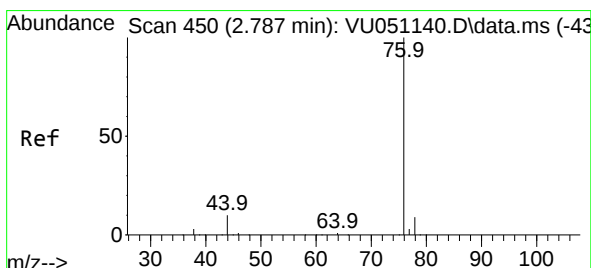
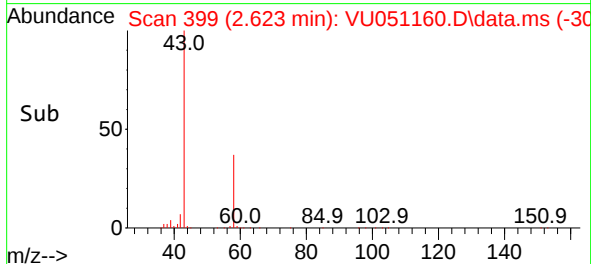
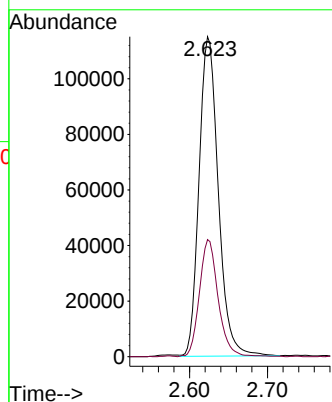
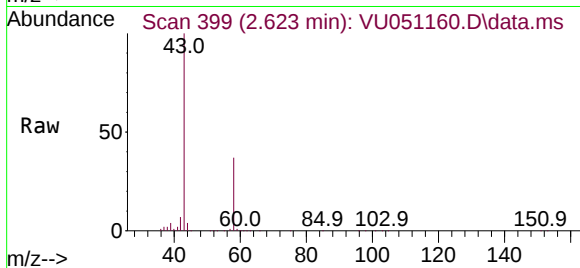
ClientSampleId :

Tgt Ion: 43 Resp: 197083

Ion Ratio Lower Upper

43 100

58 35.7 0.0 73.6



#14

Carbon disulfide

Concen: 46.280 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.000 min

Lab File: VU051160.D

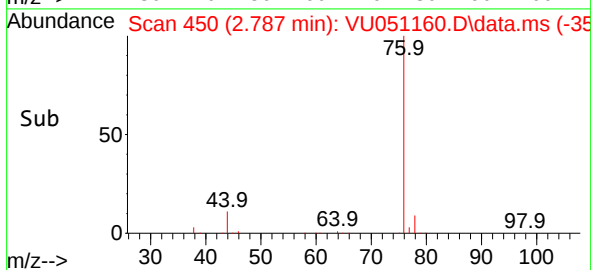
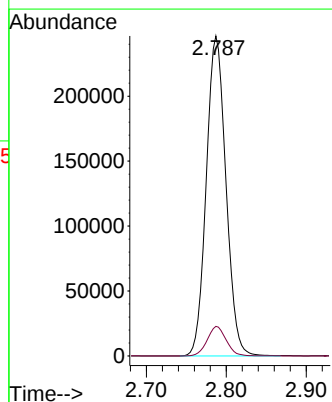
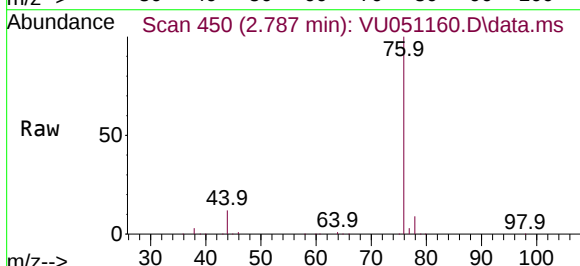
Acq: 06 Oct 2022 05:01

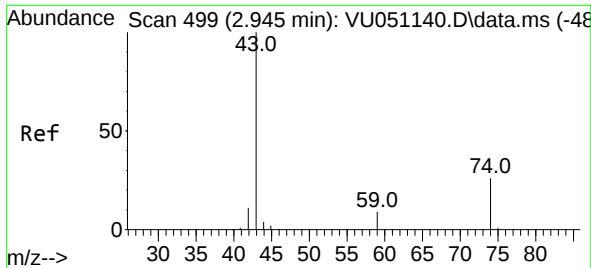
Tgt Ion: 76 Resp: 421394

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

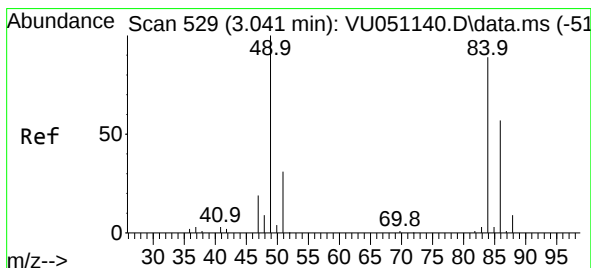
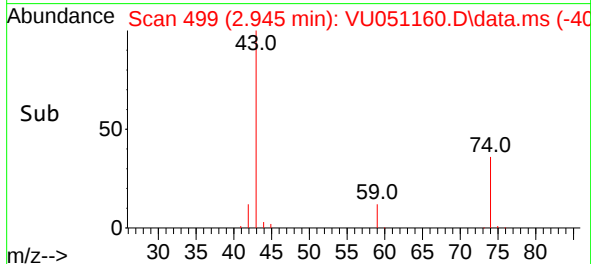
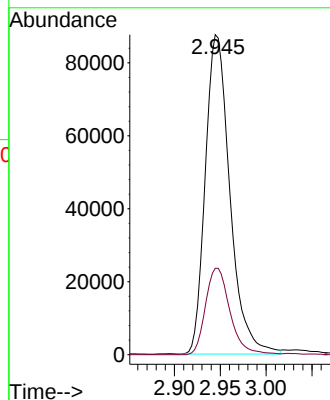
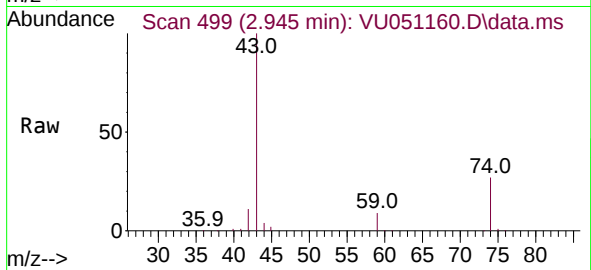




#15
Methyl Acetate
Concen: 39.495 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

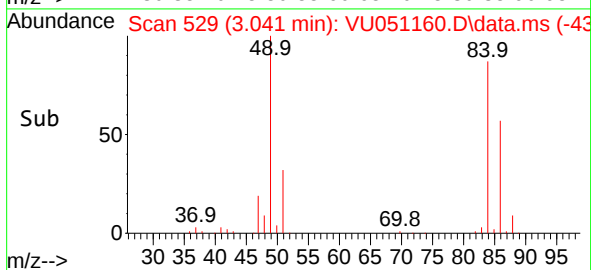
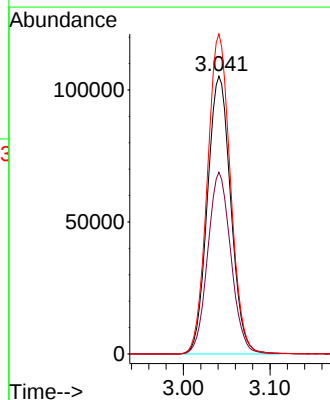
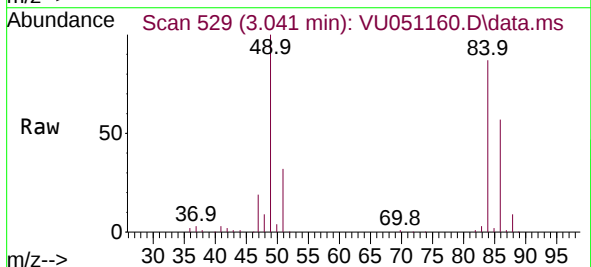
Instrument :
MSVOA_U
ClientSampleId :

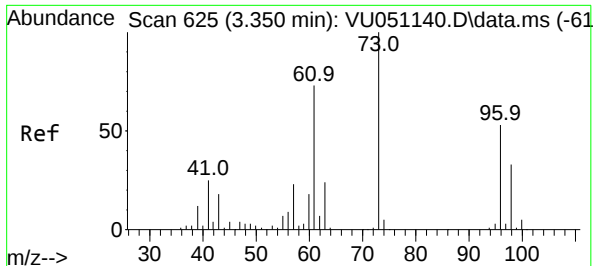
Tgt Ion: 43 Resp: 163480
Ion Ratio Lower Upper
43 100
74 26.9 22.4 33.6



#16
Methylene chloride
Concen: 44.603 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

Tgt Ion: 84 Resp: 197228
Ion Ratio Lower Upper
84 100
86 65.4 45.4 84.4
49 115.2 78.3 145.3





#17

trans-1,2-Dichloroethene

Concen: 47.997 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

ClientSampleId :

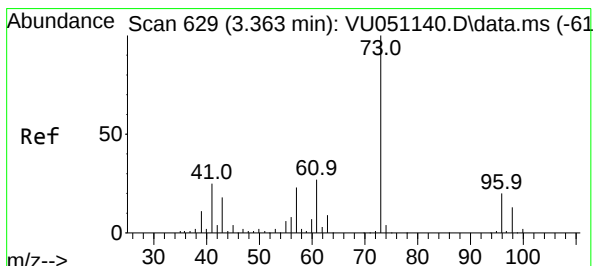
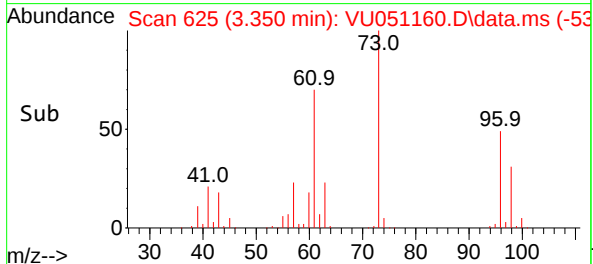
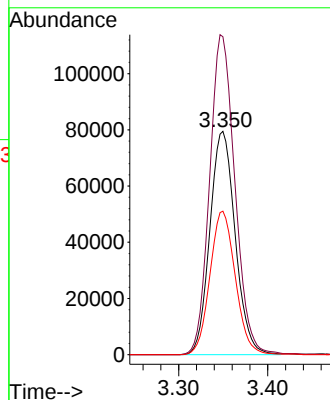
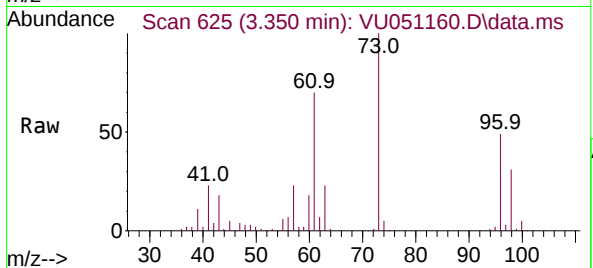
Tgt Ion: 96 Resp: 157287

Ion Ratio Lower Upper

96 100

61 142.4 95.1 176.5

98 64.3 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 53.046 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

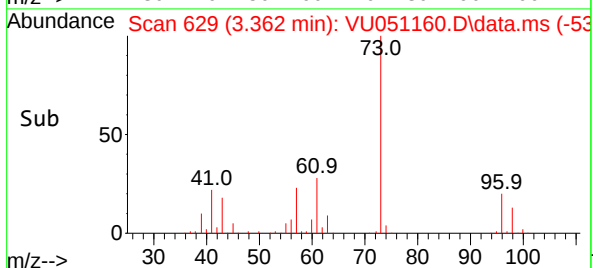
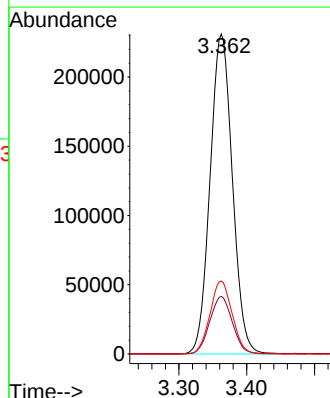
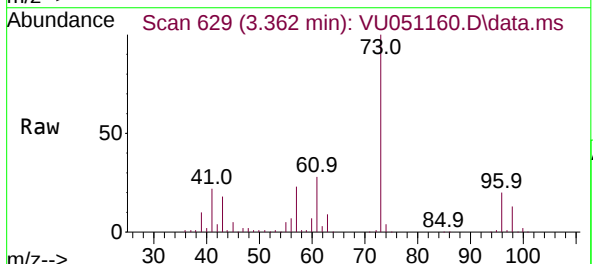
Tgt Ion: 73 Resp: 528266

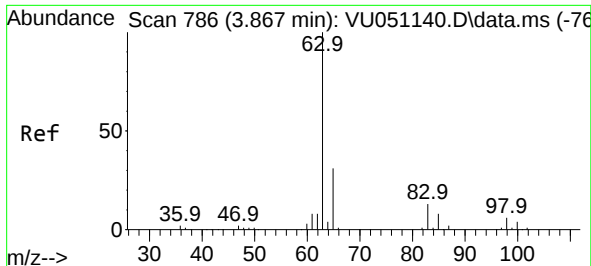
Ion Ratio Lower Upper

73 100

43 18.1 14.7 22.1

57 22.7 17.5 26.3





#19

1,1-Dichloroethane

Concen: 52.664 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

ClientSampleId :

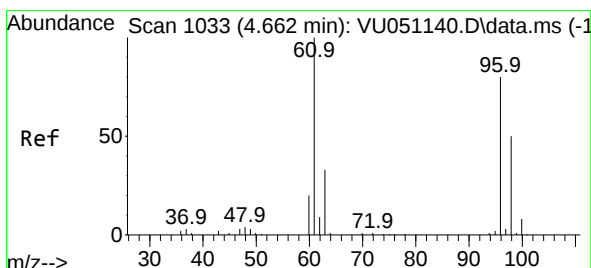
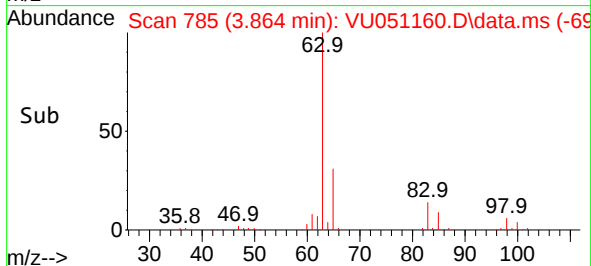
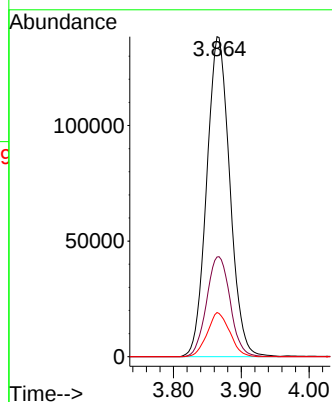
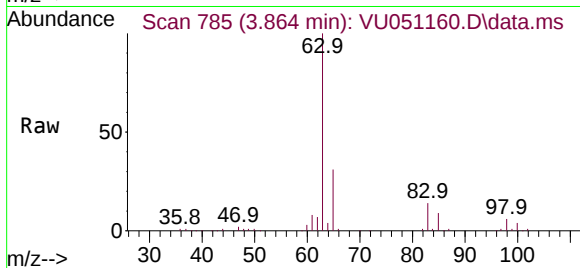
Tgt Ion: 63 Resp: 327822

Ion Ratio Lower Upper

63 100

65 31.1 22.6 42.0

83 13.8 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 51.771 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

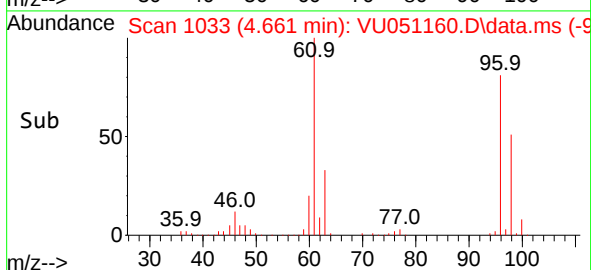
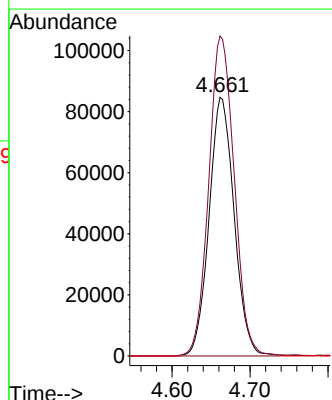
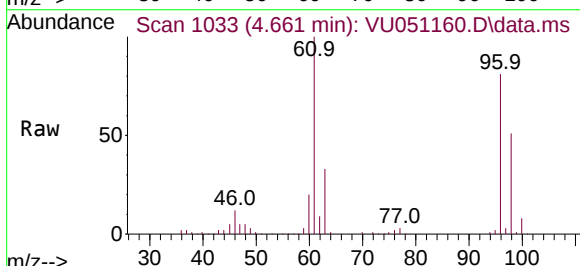
Tgt Ion: 96 Resp: 189426

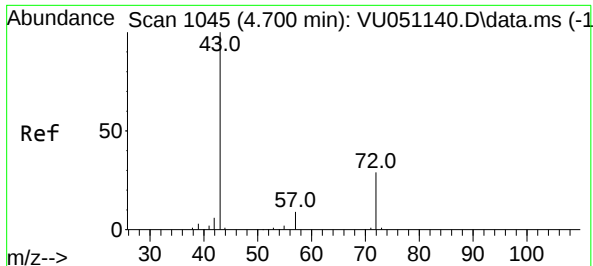
Ion Ratio Lower Upper

96 100

61 123.7 85.4 158.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 98.947 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

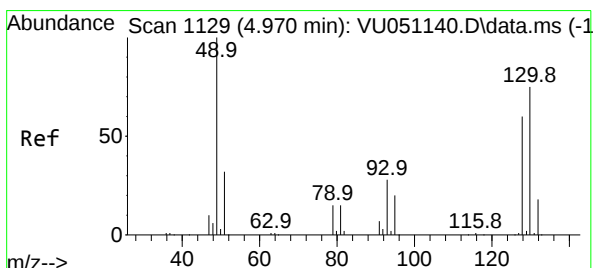
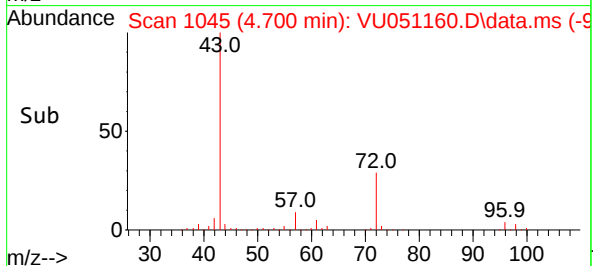
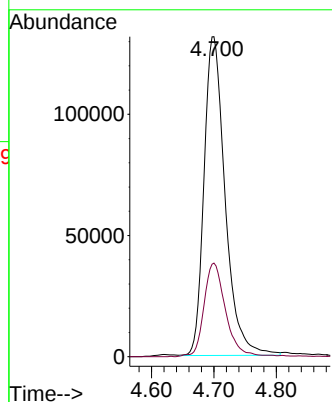
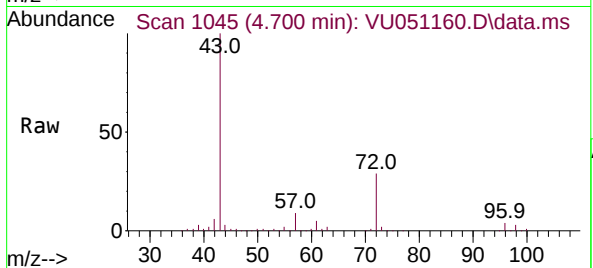
ClientSampleId :

Tgt Ion: 43 Resp: 309947

Ion Ratio Lower Upper

43 100

72 29.8 15.8 47.4



#23

Bromochloromethane

Concen: 49.574 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Tgt Ion: 128 Resp: 99385

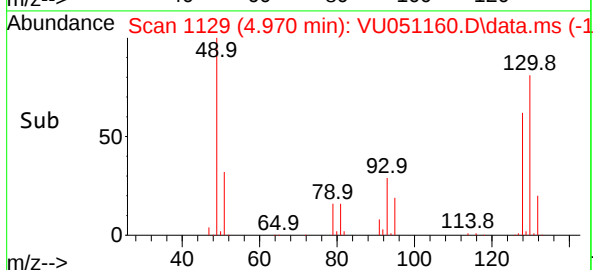
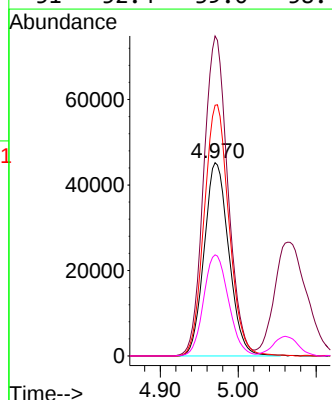
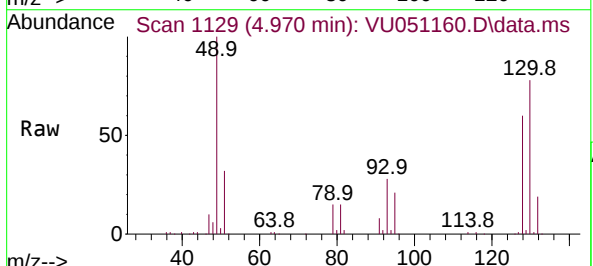
Ion Ratio Lower Upper

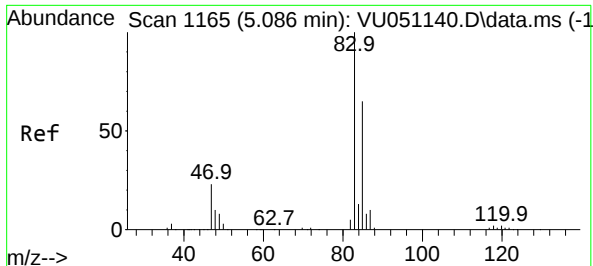
128 100

49 165.6 106.9 198.5

130 129.7 86.2 160.0

51 52.4 39.0 58.4





#25

Chloroform

Concen: 49.256 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

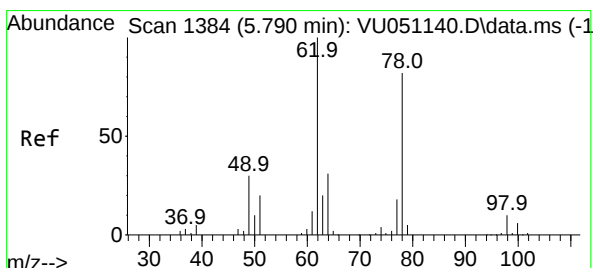
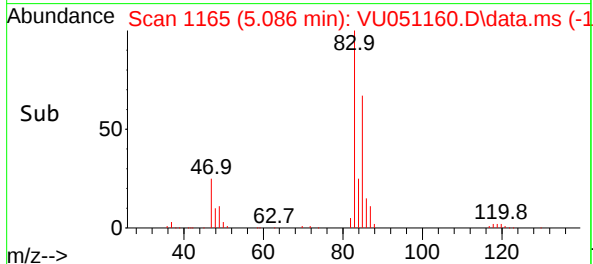
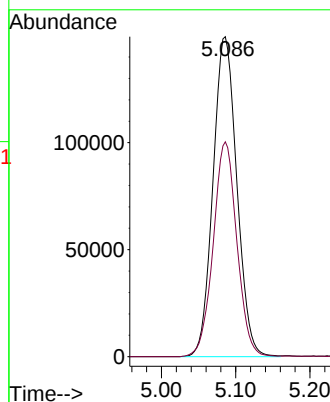
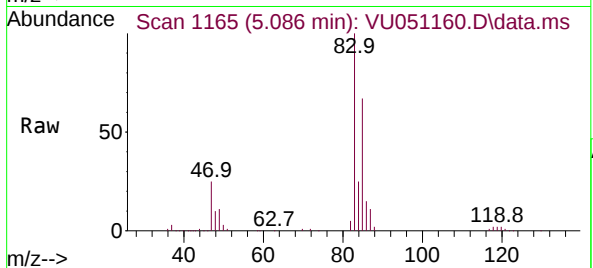
ClientSampleId :

Tgt Ion: 83 Resp: 333502

Ion Ratio Lower Upper

83 100

85 67.1 45.7 84.9



#27

1,2-Dichloroethane

Concen: 50.448 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU051160.D

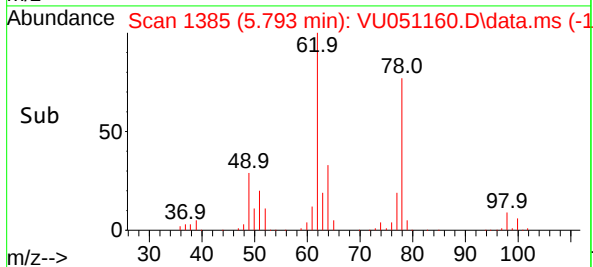
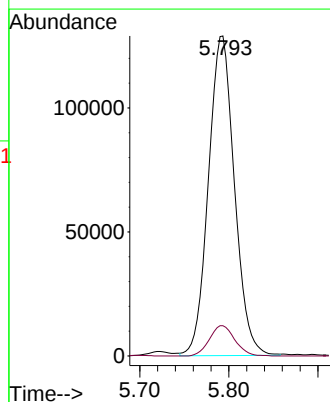
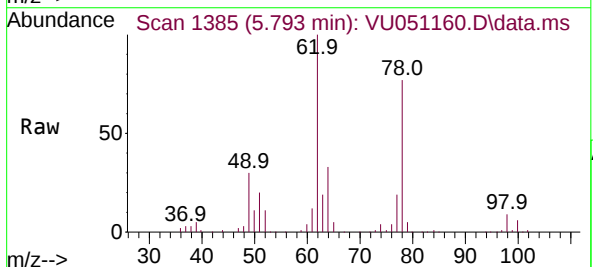
Acq: 06 Oct 2022 05:01

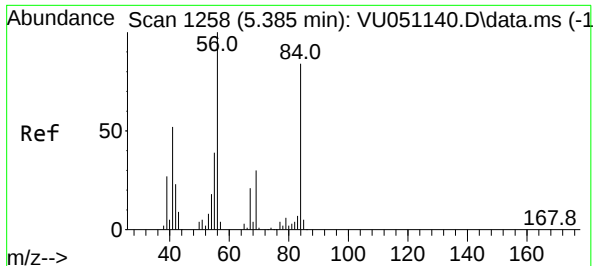
Tgt Ion: 62 Resp: 261653

Ion Ratio Lower Upper

62 100

98 9.5 7.3 10.9





#29

Cyclohexane

Concen: 56.226 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

ClientSampleId :

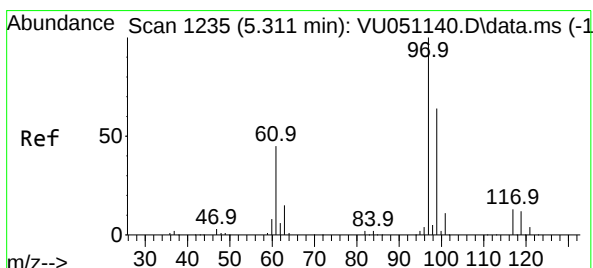
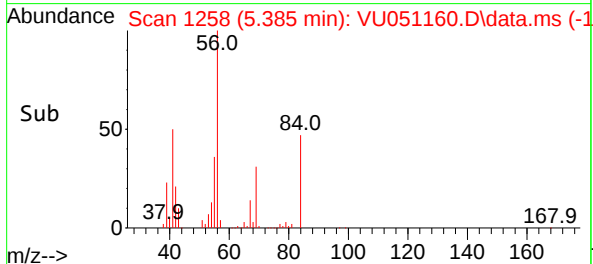
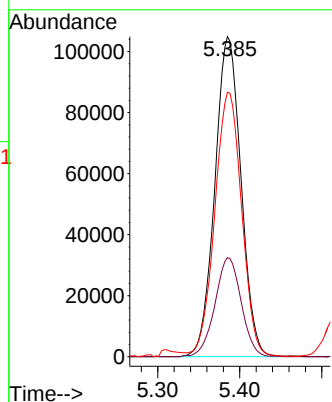
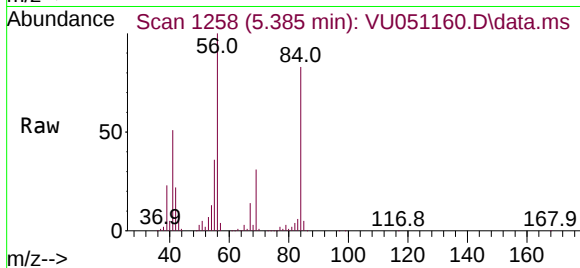
Tgt Ion: 56 Resp: 232464

Ion Ratio Lower Upper

56 100

69 31.0 24.8 37.2

84 84.6 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 51.310 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

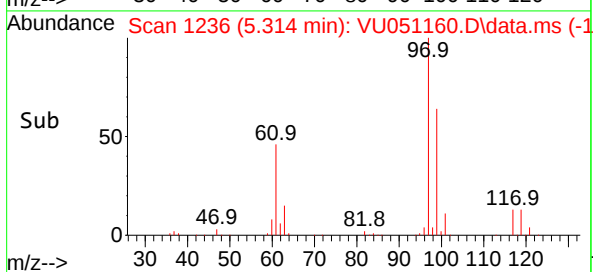
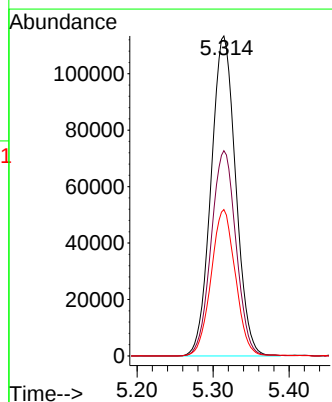
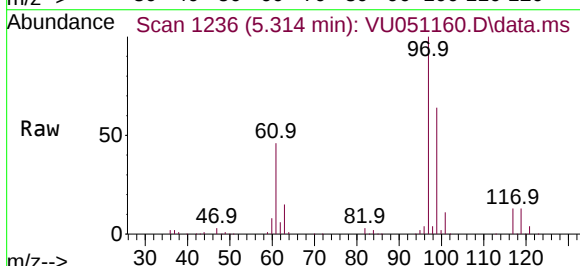
Tgt Ion: 97 Resp: 255516

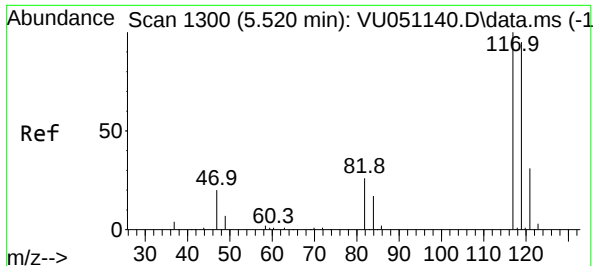
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

61 45.0 36.0 54.0

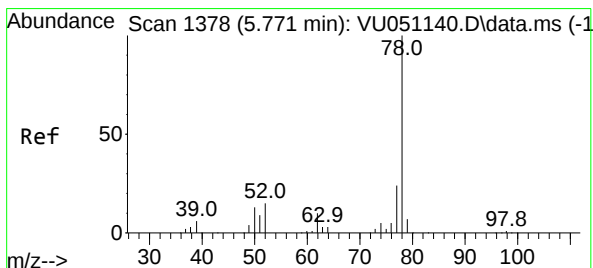
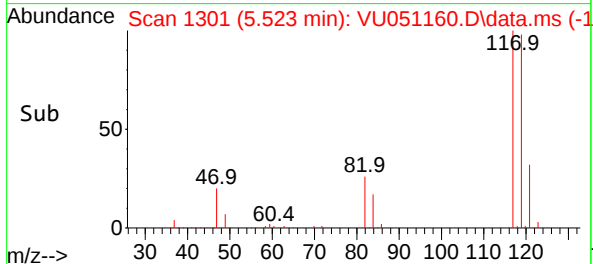
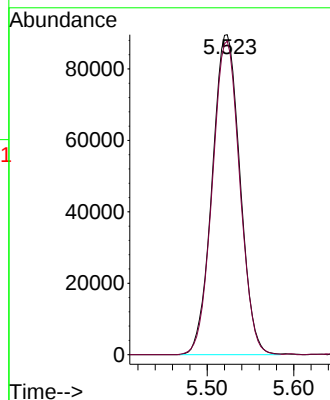
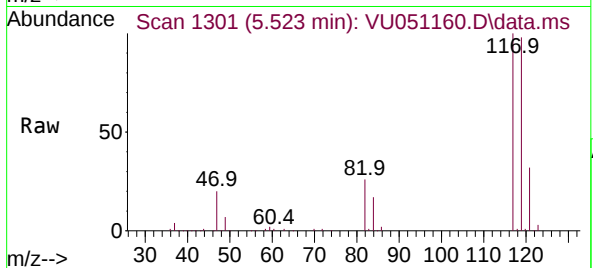




#31
Carbon tetrachloride
Concen: 49.177 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

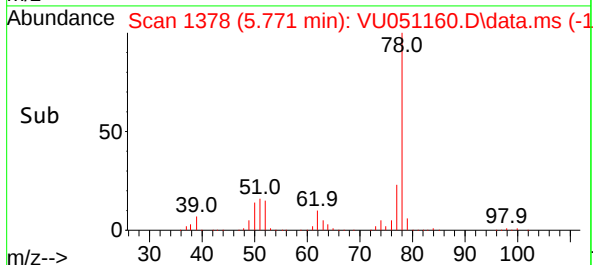
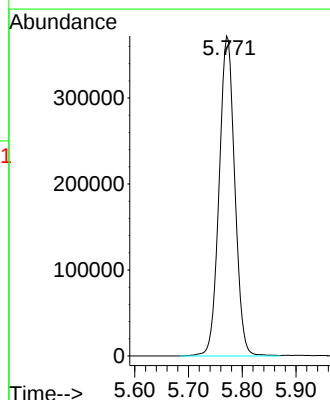
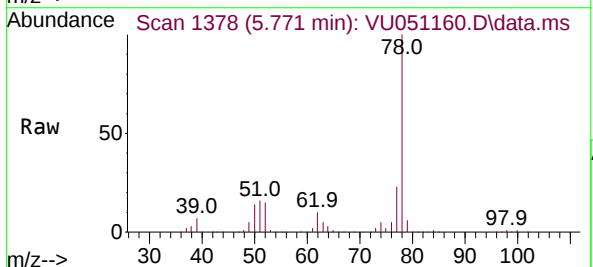
Instrument :
MSVOA_U
ClientSampleId :

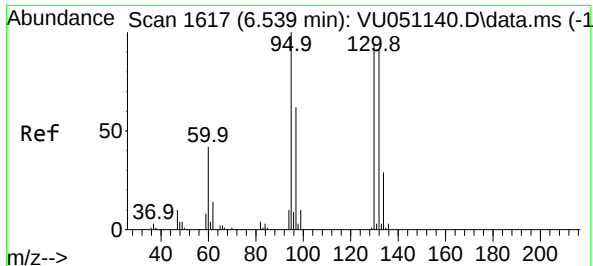
Tgt Ion:117 Resp: 199812
Ion Ratio Lower Upper
117 100
119 96.6 75.7 113.5



#33
Benzene
Concen: 58.212 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

Tgt Ion: 78 Resp: 753569





#34

Trichloroethene

Concen: 51.688 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

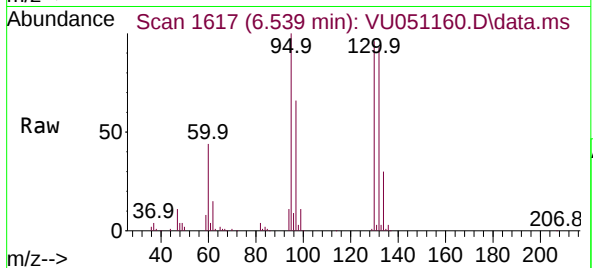
Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 173307

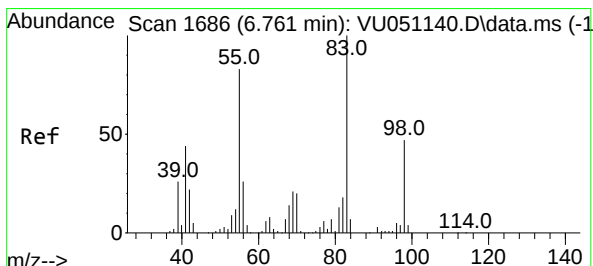
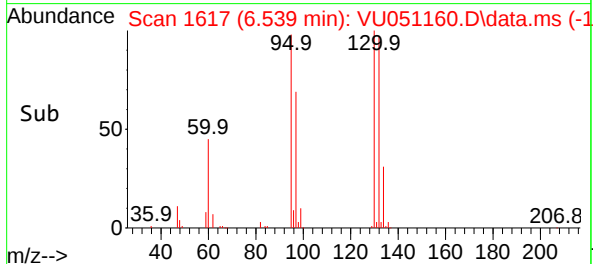
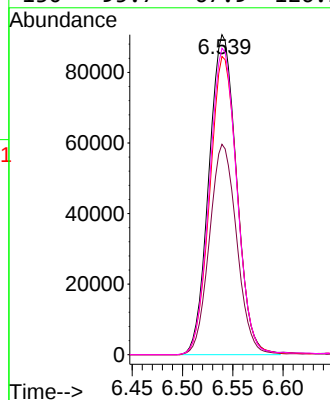
Ion Ratio Lower Upper

95 100

97 65.8 45.9 85.3

132 93.2 64.0 119.0

130 95.7 67.9 126.1



#35

Methylcyclohexane

Concen: 48.227 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

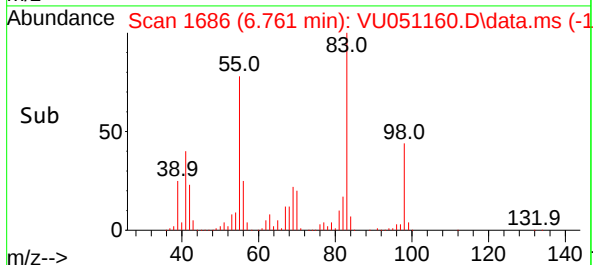
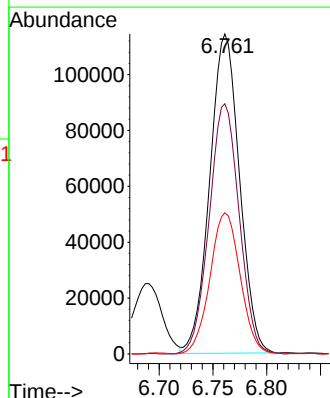
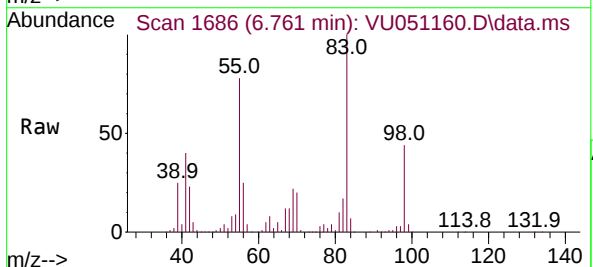
Tgt Ion: 83 Resp: 220081

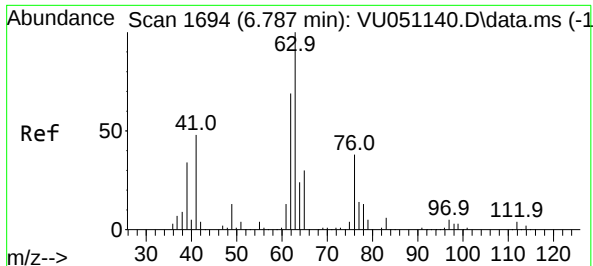
Ion Ratio Lower Upper

83 100

55 79.1 59.3 88.9

98 45.0 36.0 54.0





#37

1,2-Dichloropropane

Concen: 58.243 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

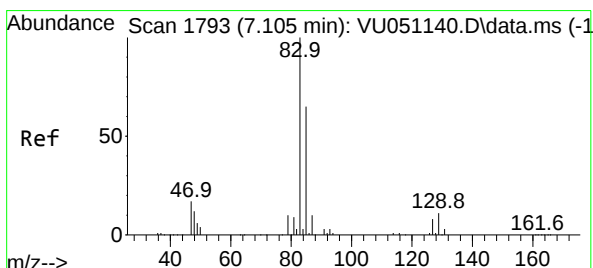
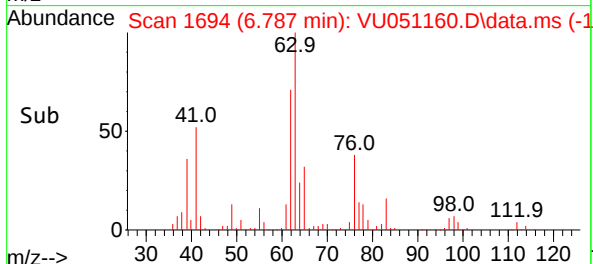
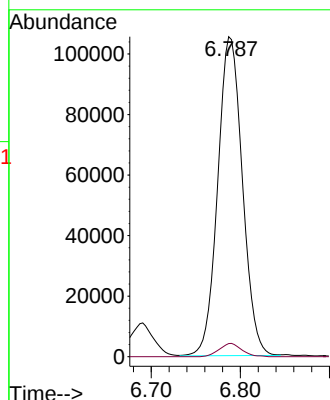
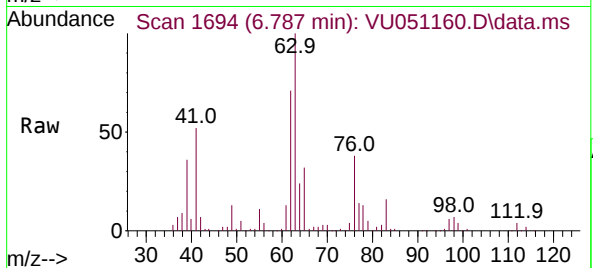
ClientSampleId :

Tgt Ion: 63 Resp: 203037

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 53.608 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

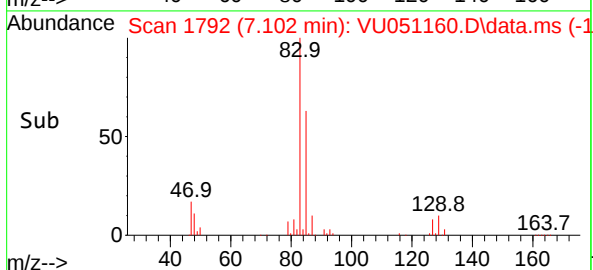
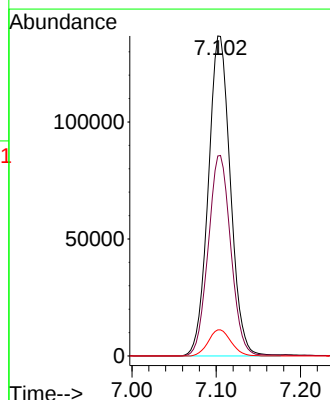
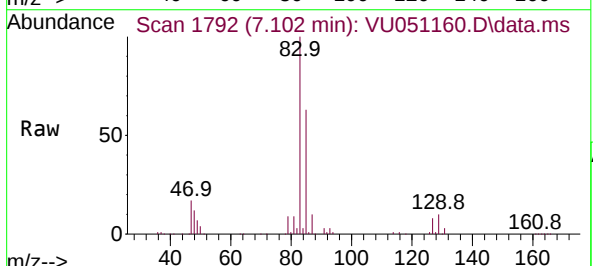
Tgt Ion: 83 Resp: 249395

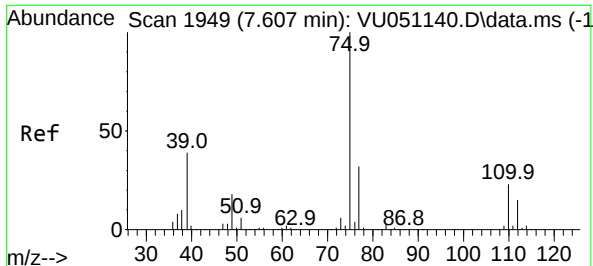
Ion Ratio Lower Upper

83 100

85 62.5 45.1 83.7

127 8.2 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 52.865 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

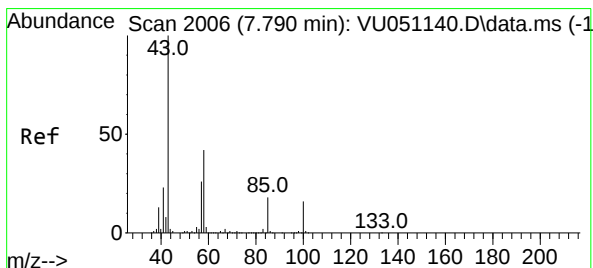
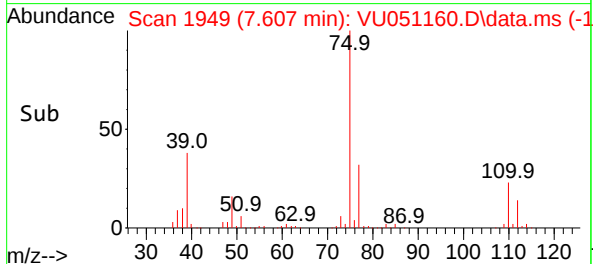
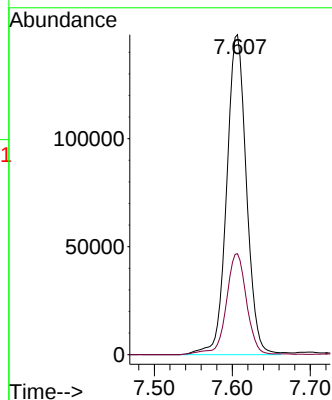
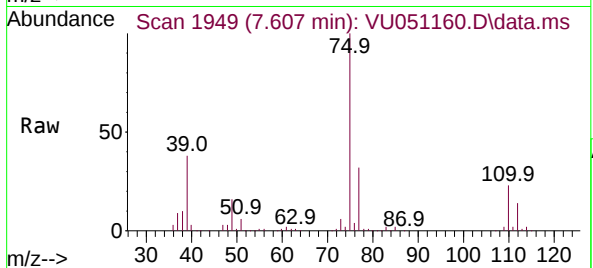
ClientSampleId :

Tgt Ion: 75 Resp: 260992

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 116.508 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

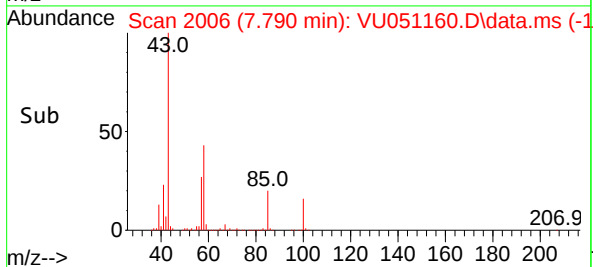
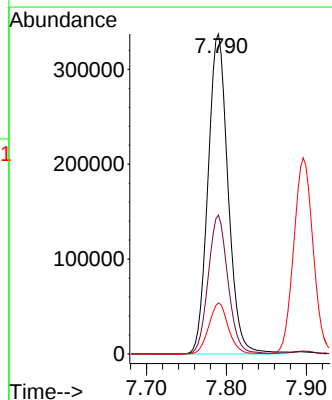
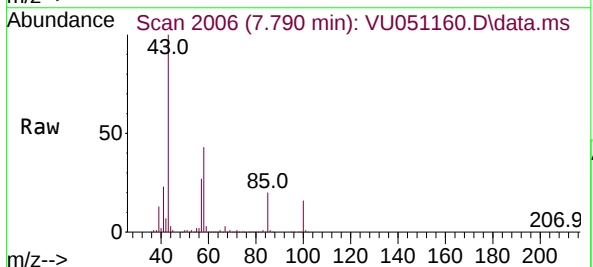
Tgt Ion: 43 Resp: 588184

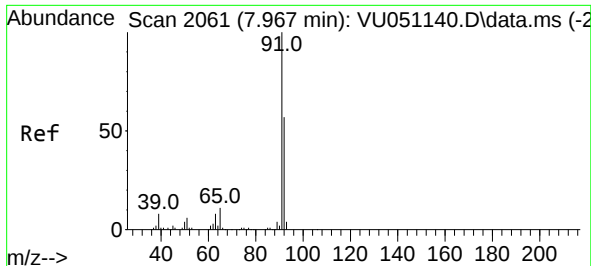
Ion Ratio Lower Upper

43 100

58 43.0 35.0 52.4

100 15.6 13.3 19.9





#42

Toluene

Concen: 65.868 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

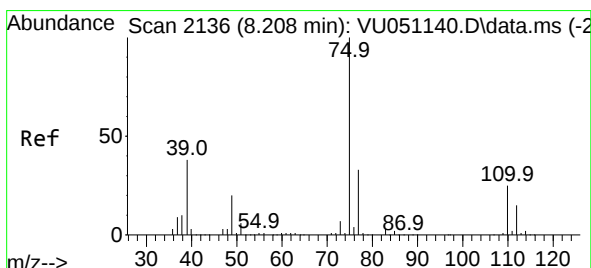
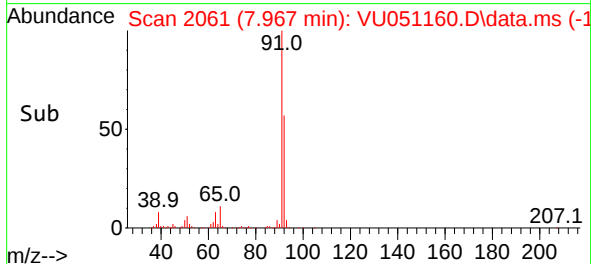
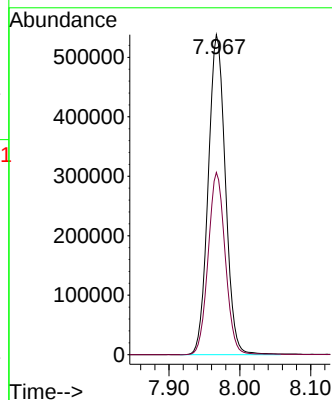
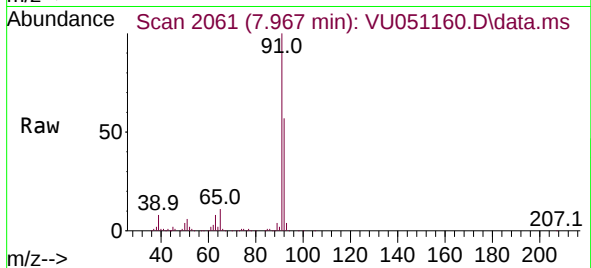
ClientSampleId :

Tgt Ion: 91 Resp: 906964

Ion Ratio Lower Upper

91 100

92 56.9 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 49.643 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051160.D

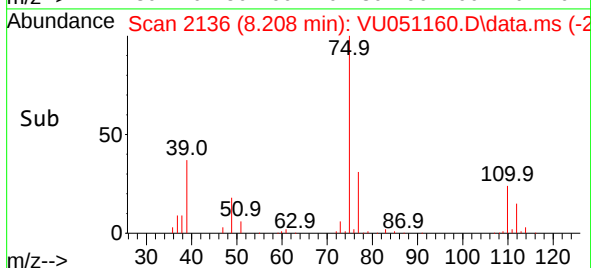
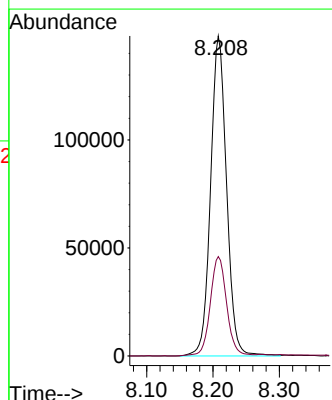
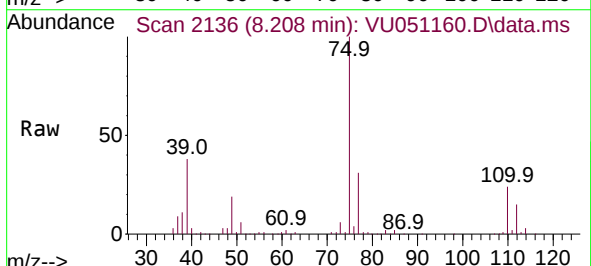
Acq: 06 Oct 2022 05:01

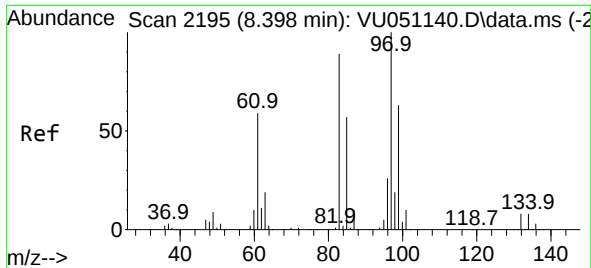
Tgt Ion: 75 Resp: 247809

Ion Ratio Lower Upper

75 100

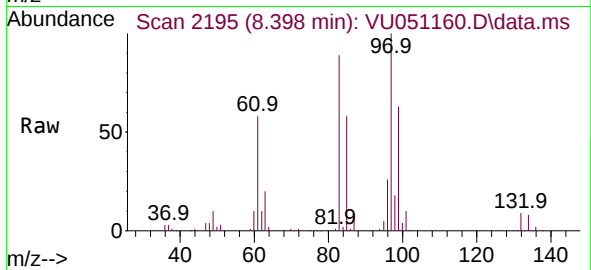
77 31.1 22.7 42.3





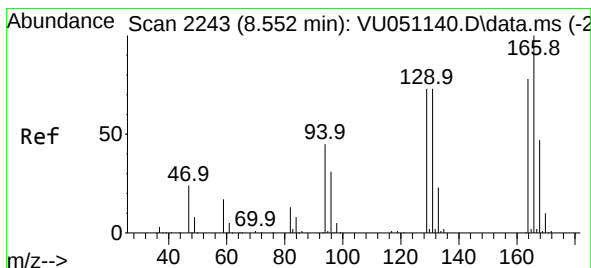
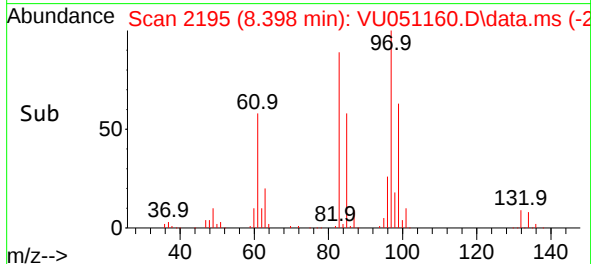
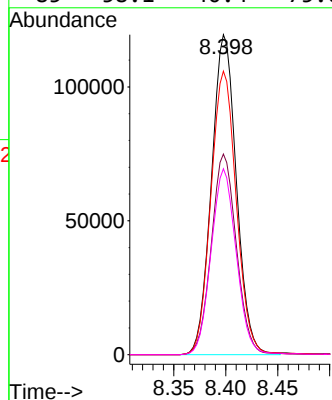
#45
1,1,2-Trichloroethane
Concen: 52.835 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 97 Resp: 199503

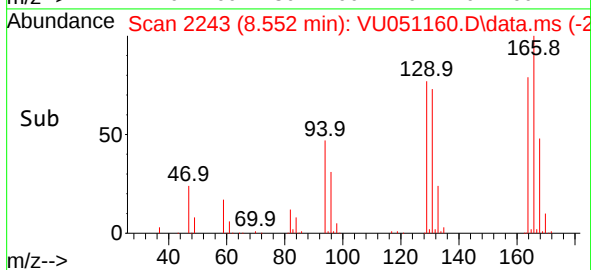
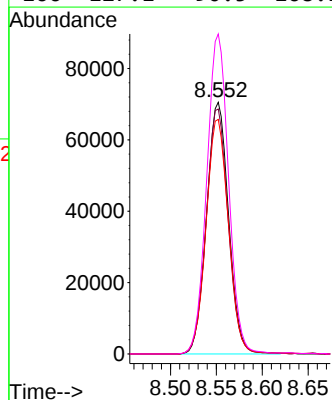
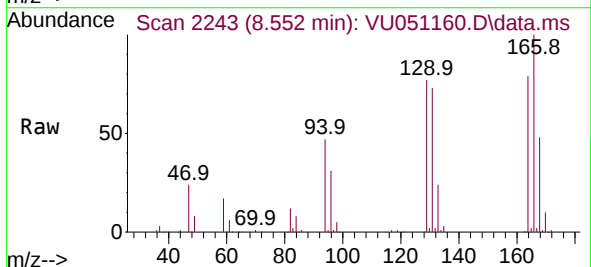
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.4	82.4
83	88.6	61.7	114.5
85	58.1	40.4	75.0

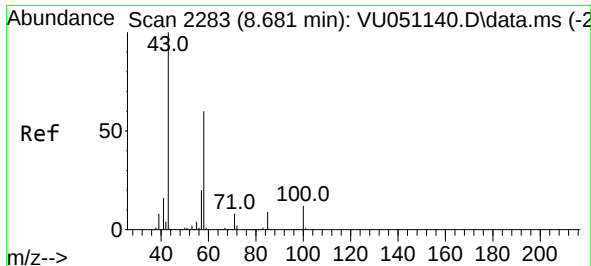


#46
Tetrachloroethene
Concen: 46.501 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

Tgt Ion: 164 Resp: 118157

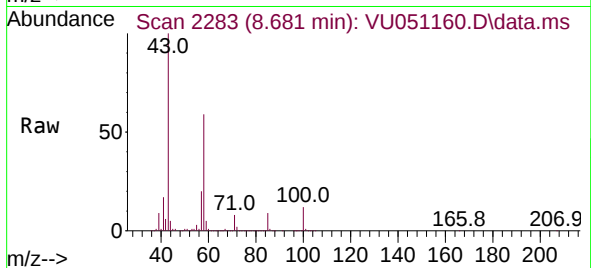
Ion	Ratio	Lower	Upper
164	100		
129	97.3	68.1	126.5
131	93.2	67.8	126.0
166	127.1	90.5	168.1



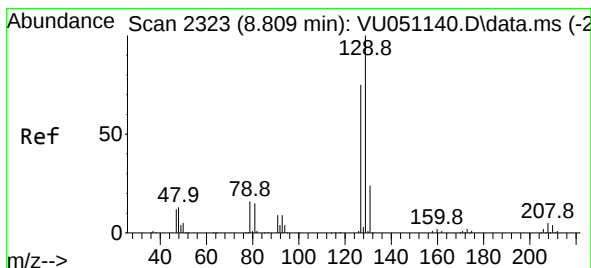
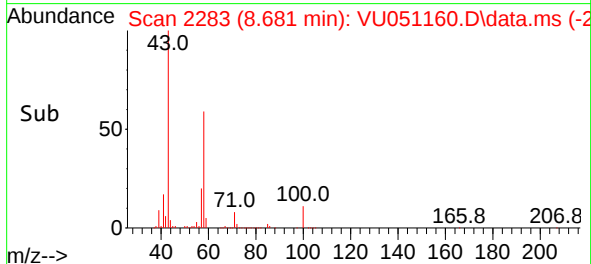
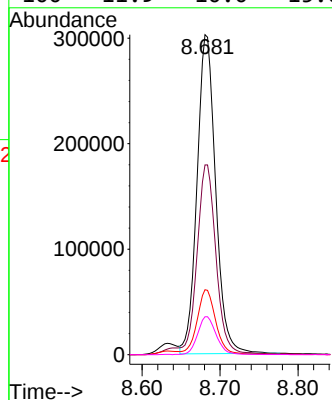


#48
2-Hexanone
Concen: 109.402 ug/L
RT: 8.681 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

Instrument :
MSVOA_U
ClientSampleId :

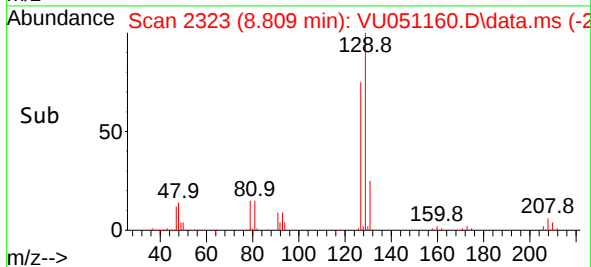
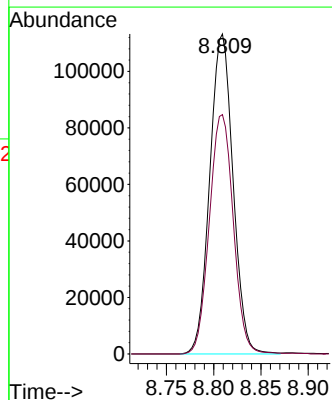
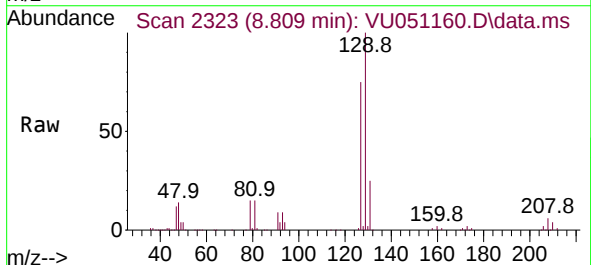


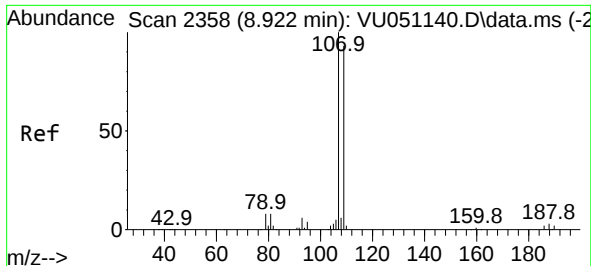
Tgt Ion: 43 Resp: 501663
Ion Ratio Lower Upper
43 100
58 59.5 48.3 72.5
57 20.6 15.9 23.9
100 11.9 10.0 15.0



#49
Dibromochloromethane
Concen: 48.816 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

Tgt Ion: 129 Resp: 193801
Ion Ratio Lower Upper
129 100
127 74.8 52.8 98.0





#50

1,2-Dibromoethane

Concen: 49.905 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

ClientSampleId :

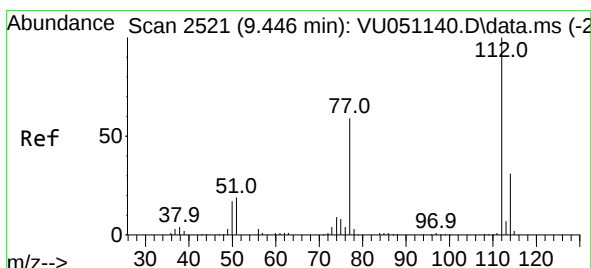
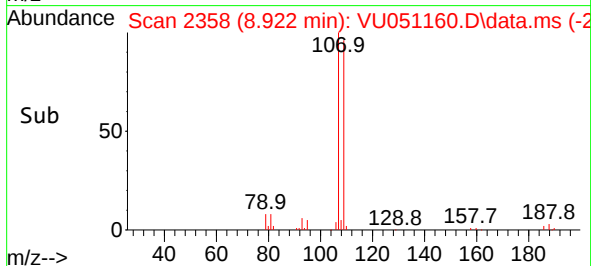
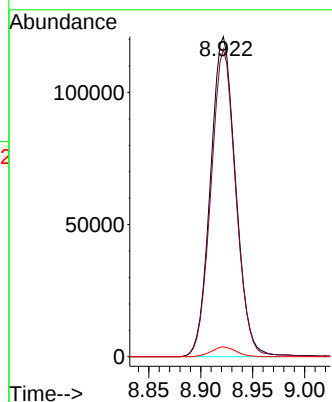
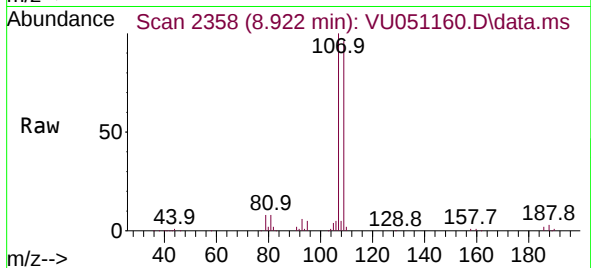
Tgt Ion:107 Resp: 204310

Ion Ratio Lower Upper

107 100

109 96.1 64.1 119.1

188 3.1 2.9 4.3



#51

Chlorobenzene

Concen: 50.228 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

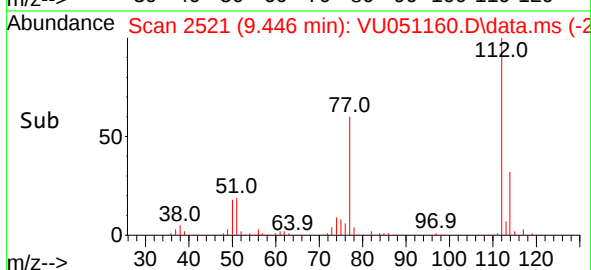
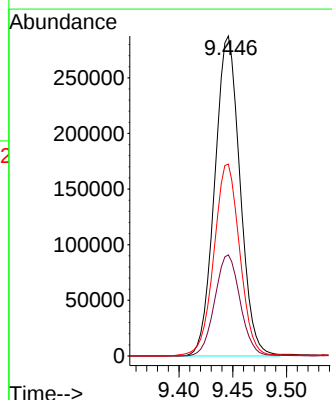
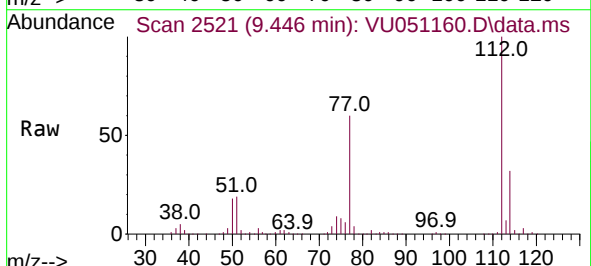
Tgt Ion:112 Resp: 470321

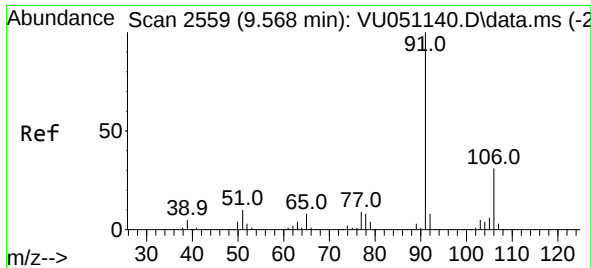
Ion Ratio Lower Upper

112 100

114 31.6 22.3 41.3

77 59.9 48.2 72.2

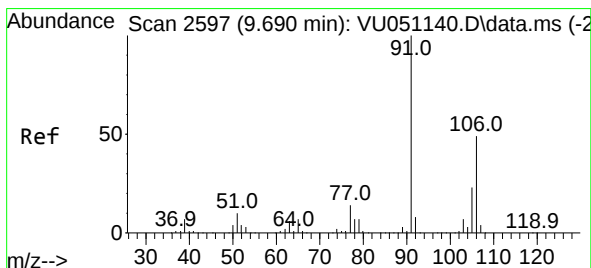
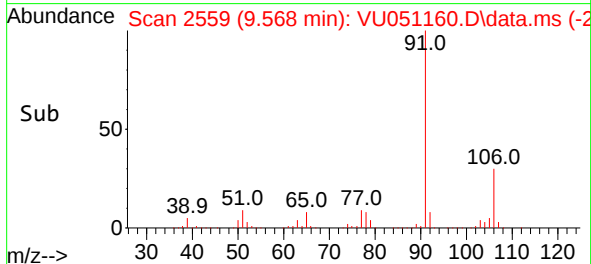
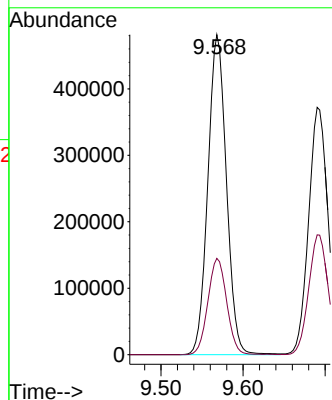
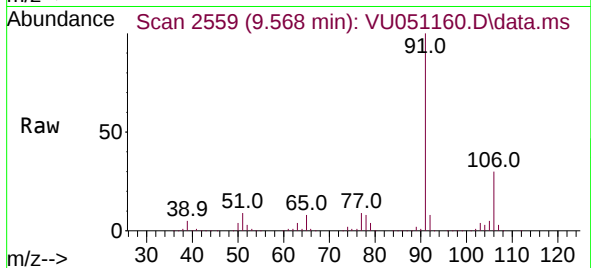




#52
Ethylbenzene
Concen: 51.458 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

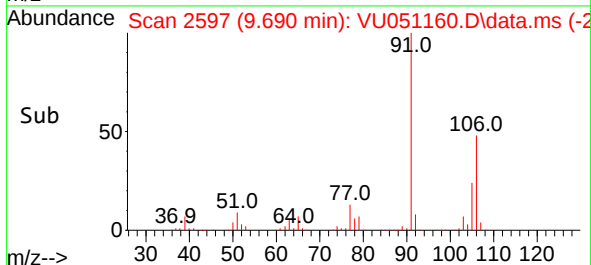
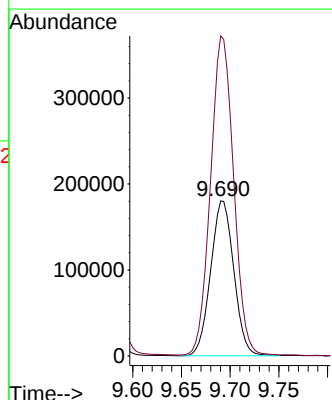
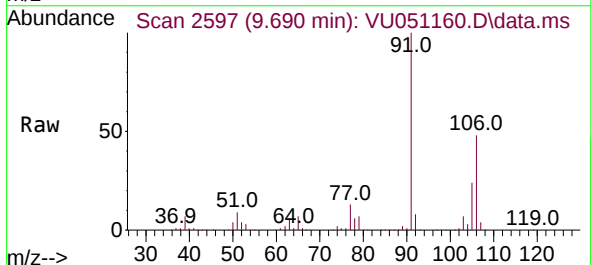
Instrument :
MSVOA_U
ClientSampleId :

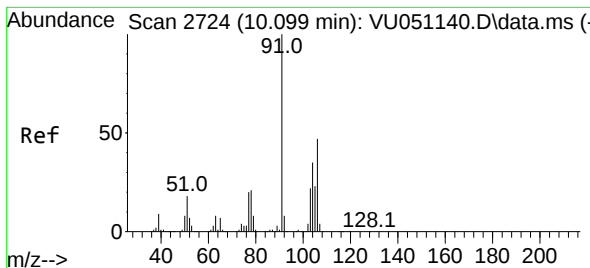
Tgt Ion: 91 Resp: 755773
Ion Ratio Lower Upper
91 100
106 30.1 21.7 40.3



#53
m,p-Xylene
Concen: 53.848 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

Tgt Ion: 106 Resp: 297408
Ion Ratio Lower Upper
106 100
91 206.5 141.9 263.5





#54

o-Xylene

Concen: 53.904 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

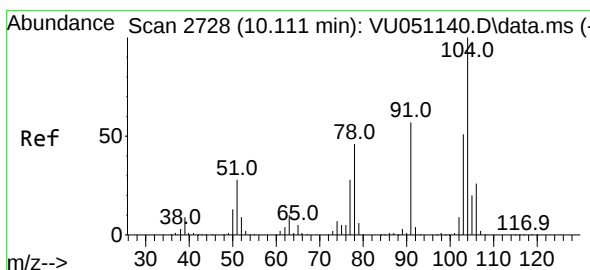
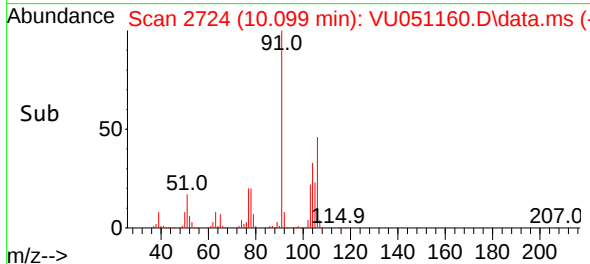
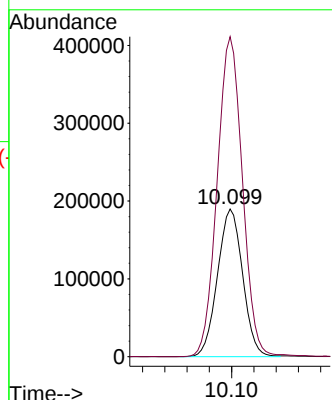
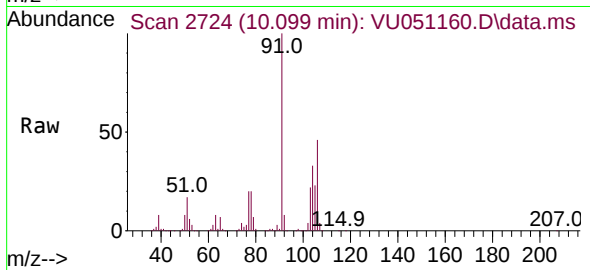
ClientSampleId :

Tgt Ion:106 Resp: 297578

Ion Ratio Lower Upper

106 100

91 216.6 152.4 283.0



#55

Styrene

Concen: 53.084 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU051160.D

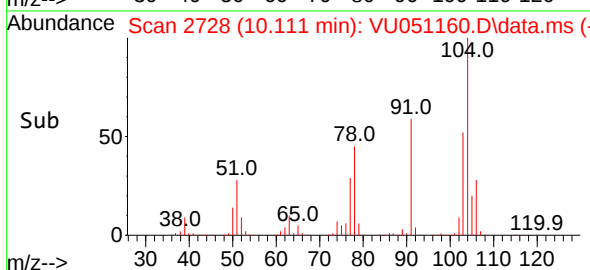
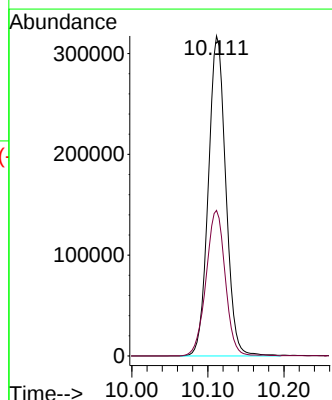
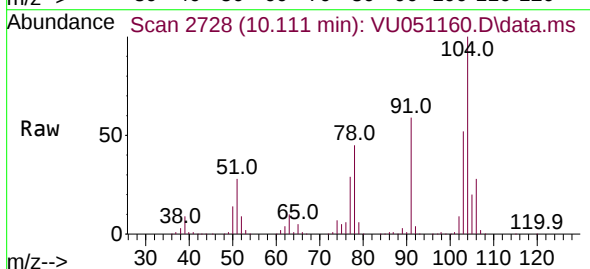
Acq: 06 Oct 2022 05:01

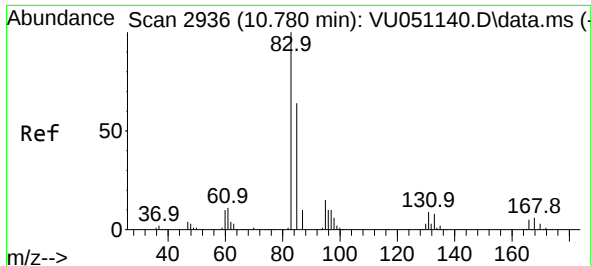
Tgt Ion:104 Resp: 506499

Ion Ratio Lower Upper

104 100

78 45.5 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 54.315 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

ClientSampleId :

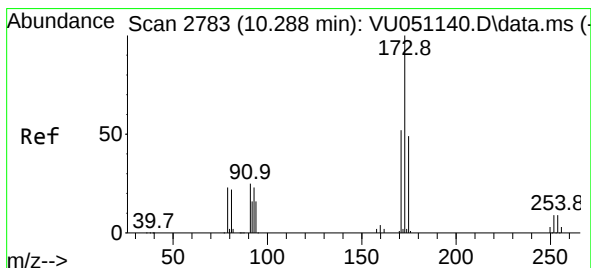
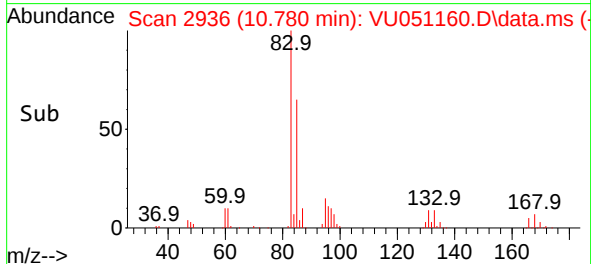
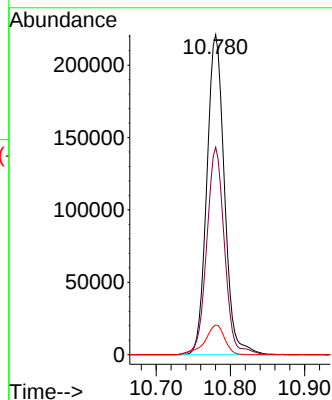
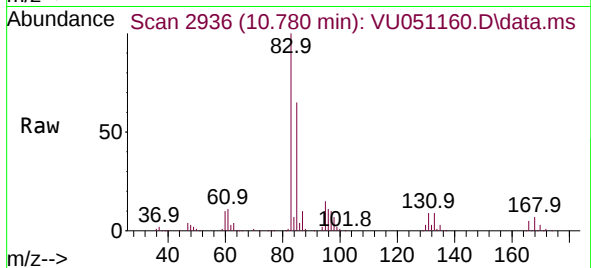
Tgt Ion: 83 Resp: 362979

Ion Ratio Lower Upper

83 100

85 64.8 44.7 83.1

131 9.3 7.0 10.4



#59

Bromoform

Concen: 47.374 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

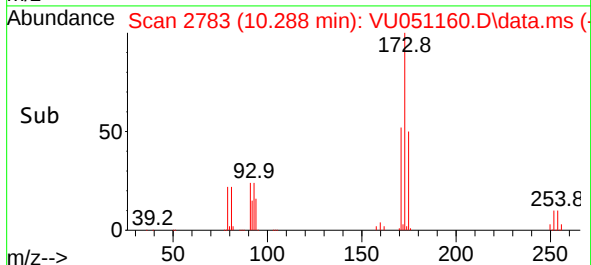
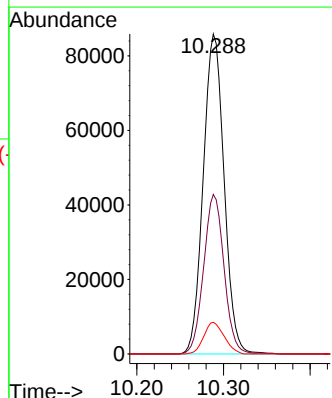
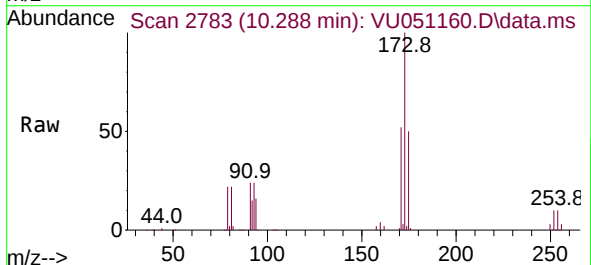
Tgt Ion:173 Resp: 143670

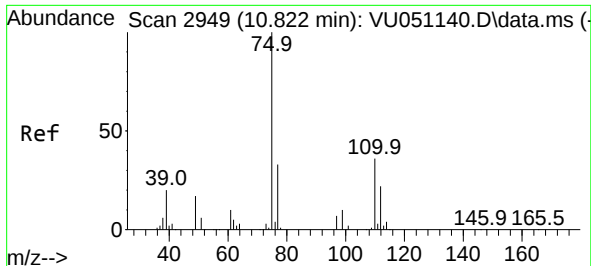
Ion Ratio Lower Upper

173 100

175 48.7 39.4 59.0

254 9.7 7.4 11.0

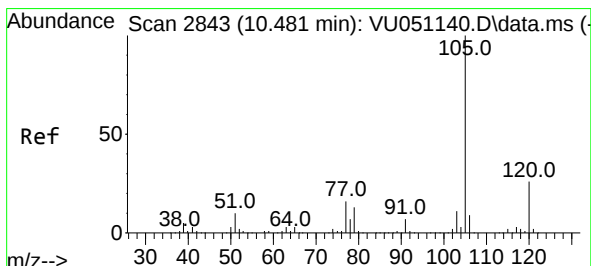
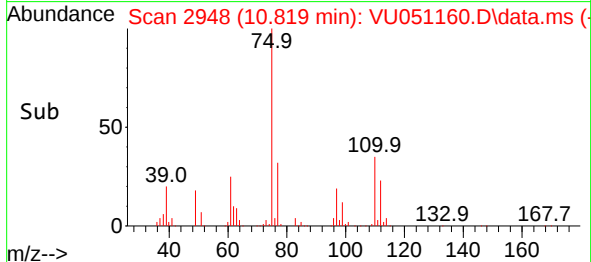
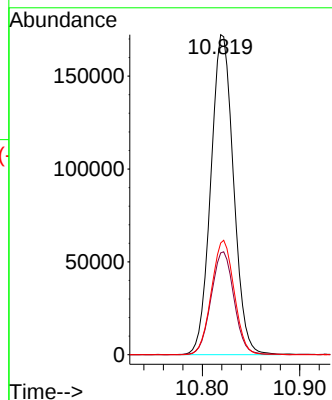
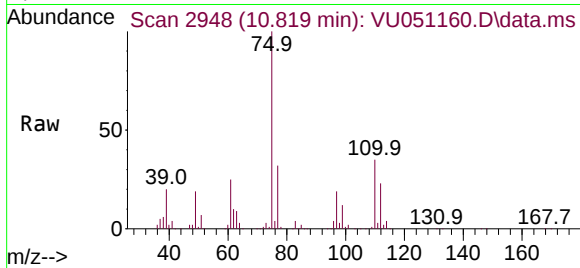




#60
1,2,3-Trichloropropane
Concen: 51.499 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

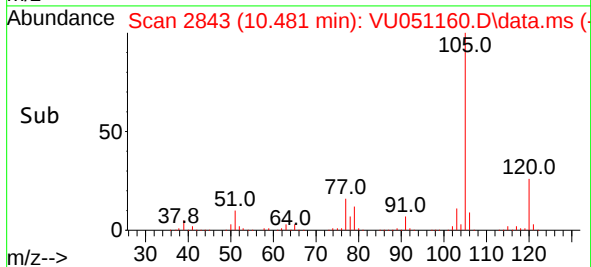
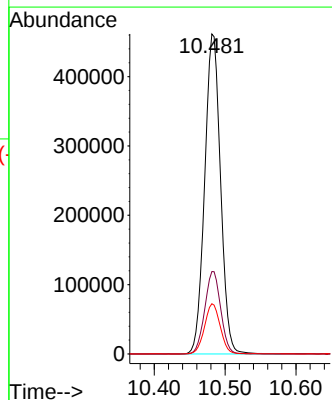
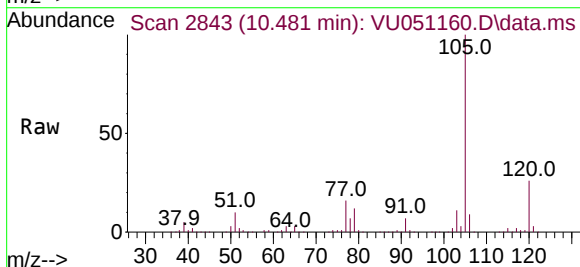
Instrument :
MSVOA_U
ClientSampleId :

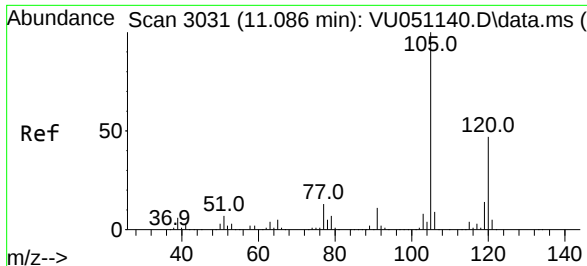
Tgt Ion: 75 Resp: 279332
Ion Ratio Lower Upper
75 100
77 32.5 26.1 39.1
110 35.9 30.0 45.0



#61
Isopropylbenzene
Concen: 53.545 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

Tgt Ion: 105 Resp: 716936
Ion Ratio Lower Upper
105 100
120 25.9 21.1 31.7
77 15.6 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 53.864 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

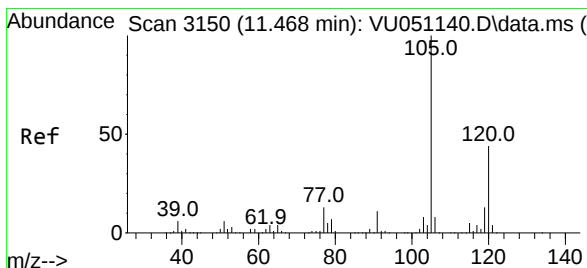
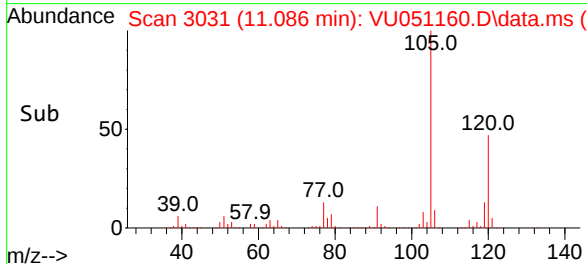
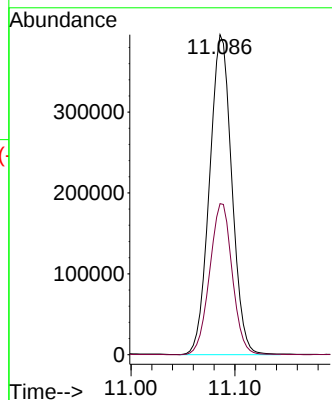
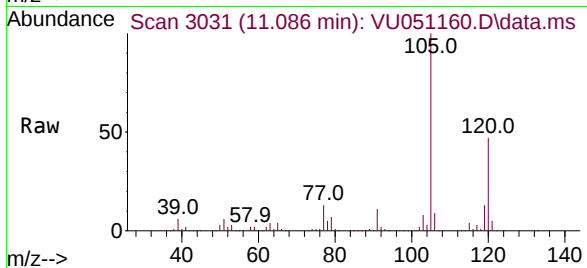
ClientSampleId :

Tgt Ion:105 Resp: 589730

Ion Ratio Lower Upper

105 100

120 47.9 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 54.288 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU051160.D

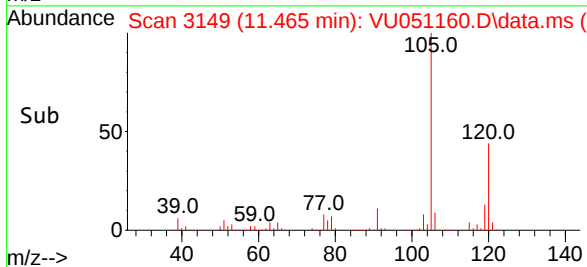
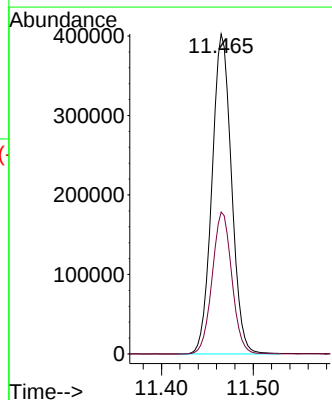
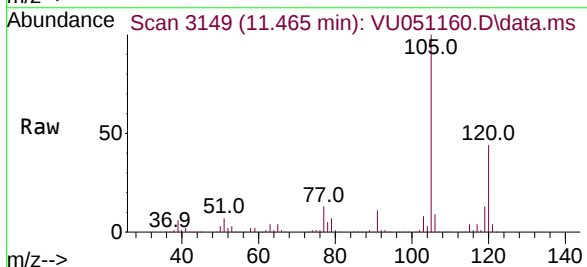
Acq: 06 Oct 2022 05:01

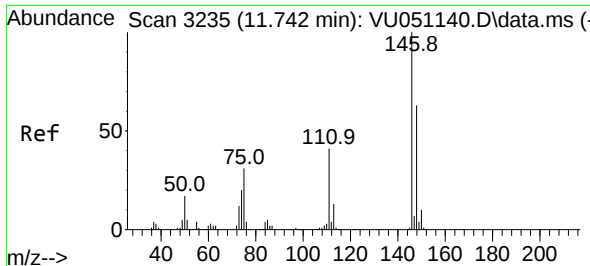
Tgt Ion:105 Resp: 595720

Ion Ratio Lower Upper

105 100

120 44.6 35.5 53.3

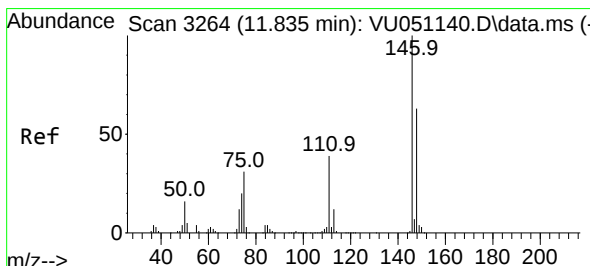
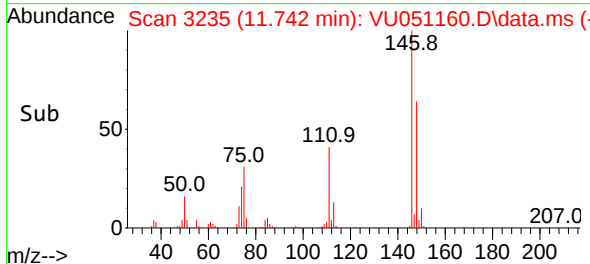
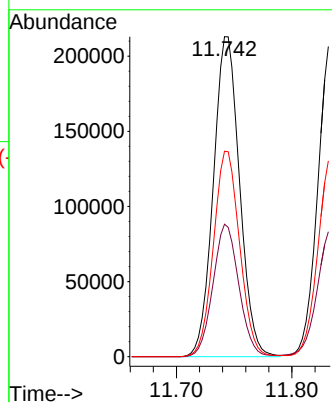
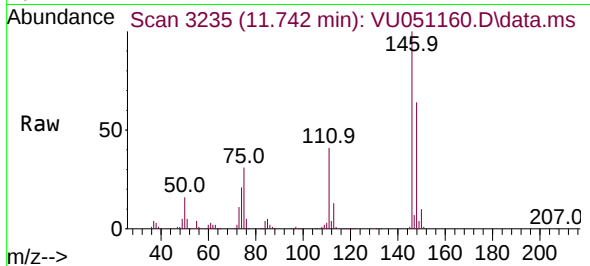




#64
1,3-Dichlorobenzene
Concen: 48.673 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

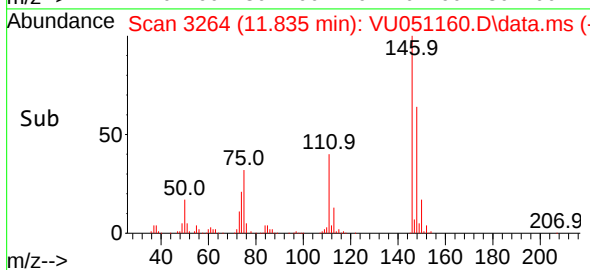
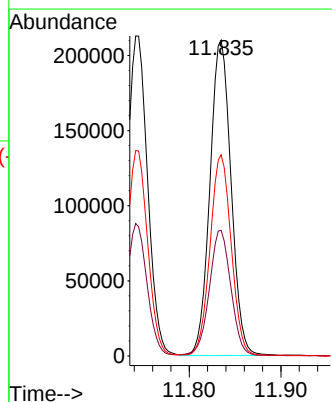
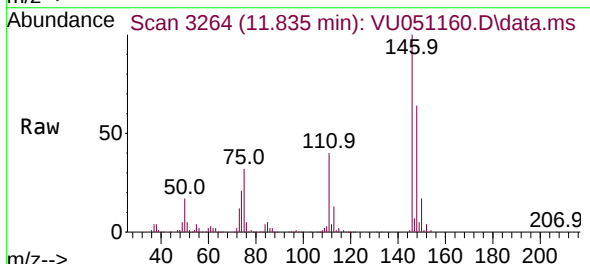
Instrument :
MSVOA_U
ClientSampleId :

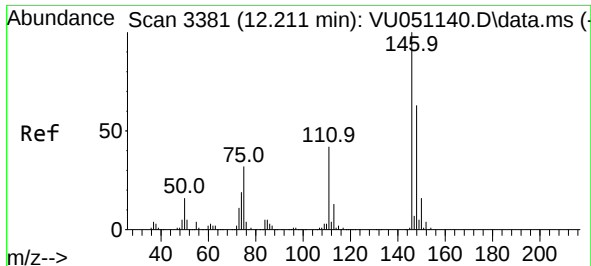
Tgt Ion:146 Resp: 335969
Ion Ratio Lower Upper
146 100
111 41.4 28.2 52.4
148 64.2 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 48.728 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051160.D
Acq: 06 Oct 2022 05:01

Tgt Ion:146 Resp: 336215
Ion Ratio Lower Upper
146 100
111 39.8 27.0 50.2
148 63.7 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 50.606 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

ClientSampleId :

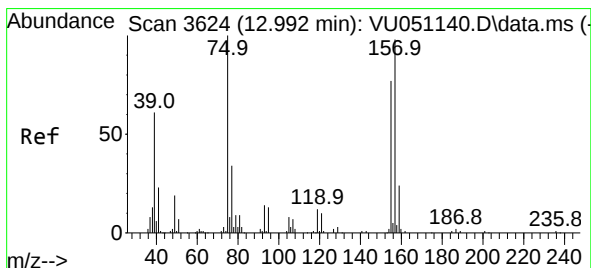
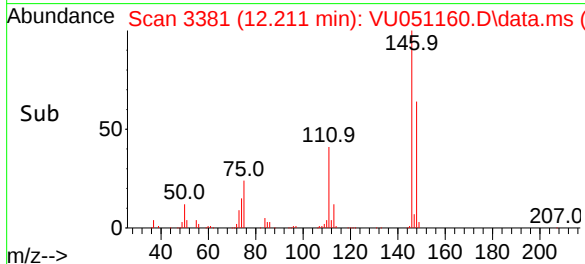
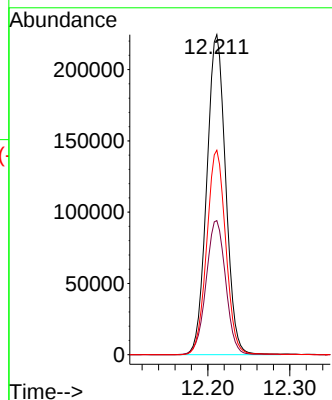
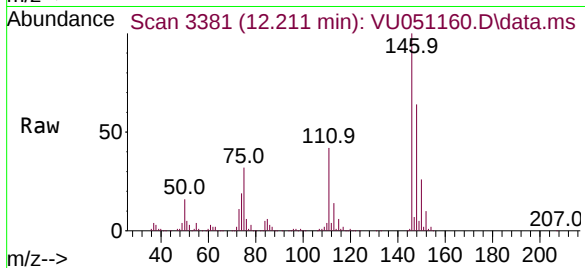
Tgt Ion:146 Resp: 358883

Ion Ratio Lower Upper

146 100

111 41.9 33.7 50.5

148 63.9 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 45.847 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

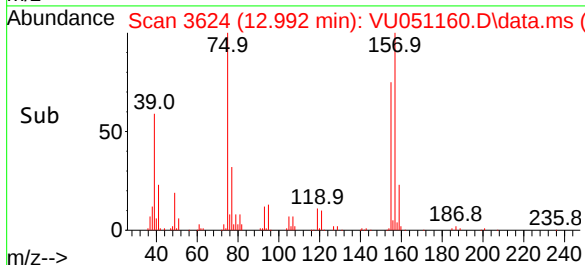
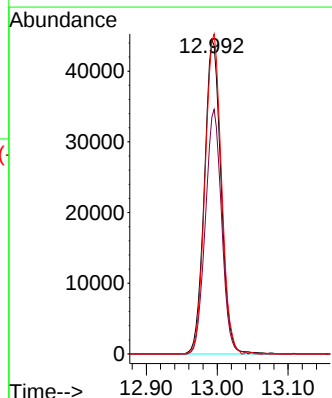
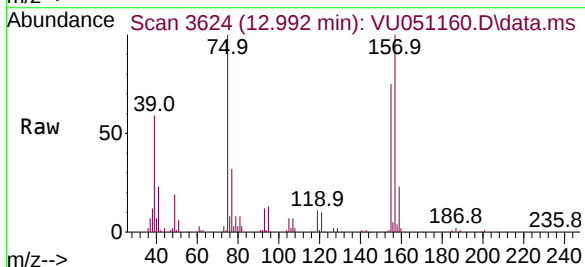
Tgt Ion: 75 Resp: 72569

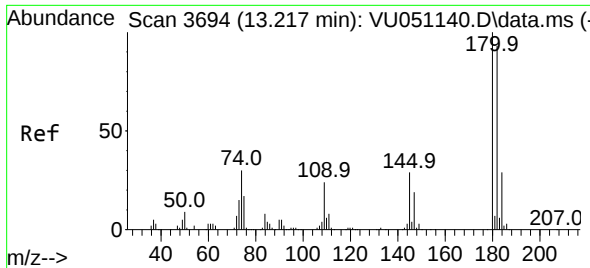
Ion Ratio Lower Upper

75 100

155 75.4 64.4 96.6

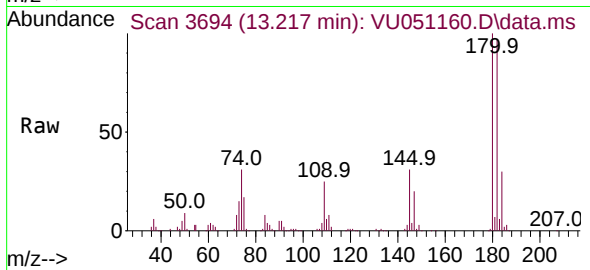
157 99.5 82.2 123.2



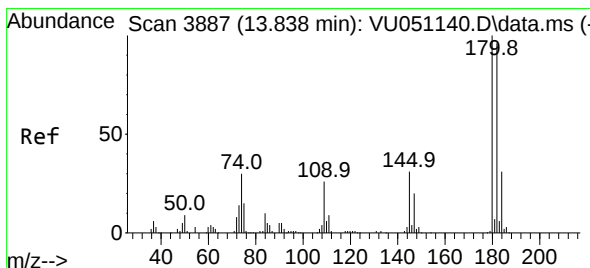
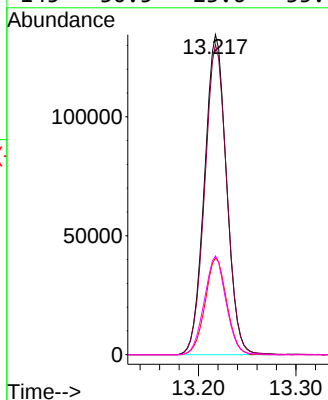
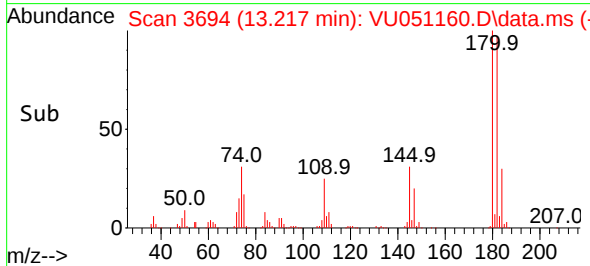


#69
 1,3,5-Trichlorobenzene
 Concen: 45.049 ug/L
 RT: 13.217 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VU051160.D
 Acq: 06 Oct 2022 05:01

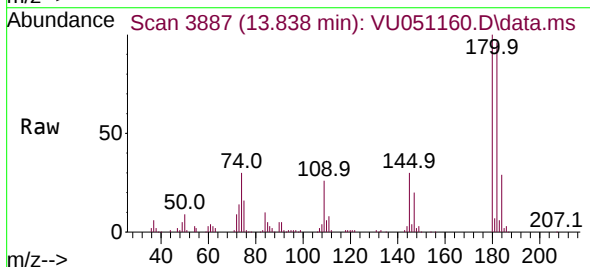
Instrument :
 MSVOA_U
 ClientSampleId :



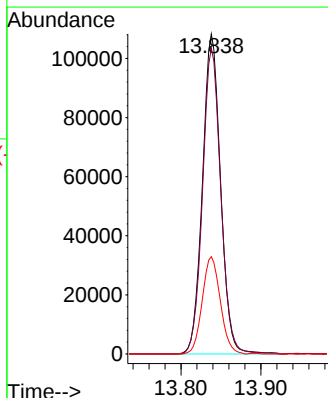
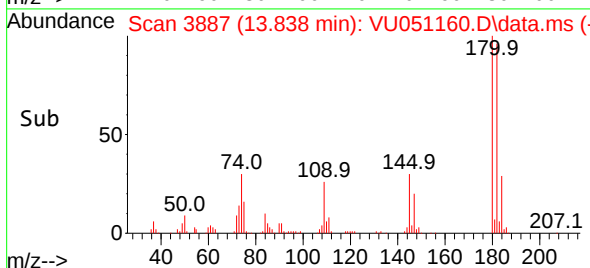
Tgt Ion:180 Resp: 210862
 Ion Ratio Lower Upper
 180 100
 182 97.3 77.0 115.4
 184 29.6 24.4 36.6
 145 30.5 23.6 35.4

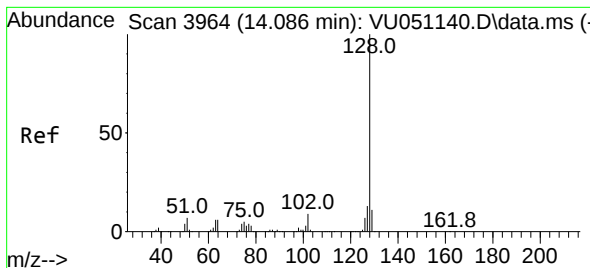


#70
 1,2,4-trichlorobenzene
 Concen: 44.590 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU051160.D
 Acq: 06 Oct 2022 05:01



Tgt Ion:180 Resp: 170770
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.9 113.9
 145 30.3 24.0 36.0





#71

Naphthalene

Concen: 48.334 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU051160.D

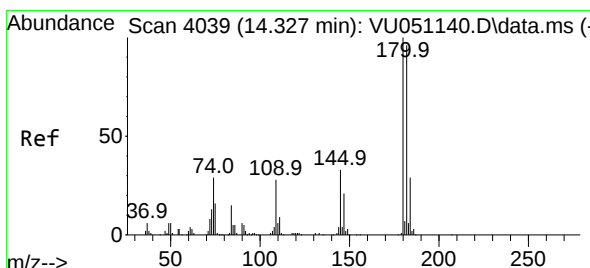
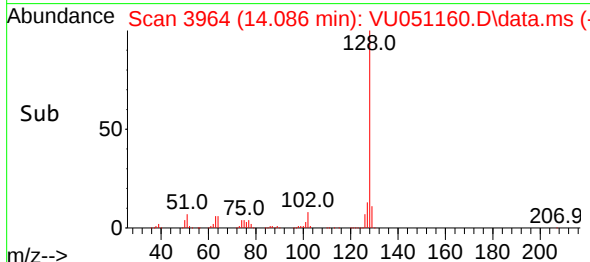
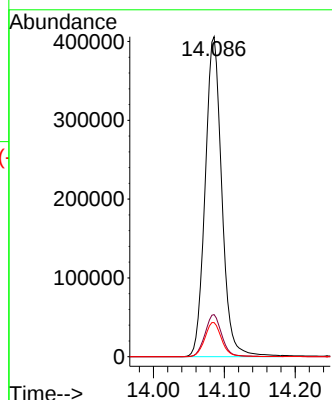
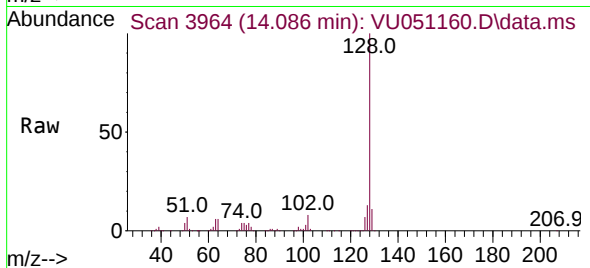
Acq: 06 Oct 2022 05:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	128	Resp:	662533
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	10.8	8.6	13.0



#72

1,2,3-Trichlorobenzene

Concen: 46.588 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU051160.D

Acq: 06 Oct 2022 05:01

Tgt Ion:	180	Resp:	199094
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.0	114.0
145	32.8	26.1	39.1

