

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030223\
 Data File : VU053188.D
 Acq On : 02 Mar 2023 15:40
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050159

Quant Time: Mar 03 01:47:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 03 01:44:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	185278	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	176998	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	94249	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	62340	36.627	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.260%
7) Chloroethane-d5	1.913	69	58147	40.366	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.740%
11) 1,1-Dichloroethene-d2	2.569	63	125375	42.945	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.900%
21) 2-Butanone-d5	4.624	46	89150	100.221	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.220%
24) Chloroform-d	5.058	84	142126	47.336	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.680%
26) 1,2-Dichloroethane-d4	5.698	65	88178	46.183	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.360%
32) Benzene-d6	5.723	84	279783	44.310	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.620%
36) 1,2-Dichloropropane-d6	6.688	67	93348	45.254	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.500%
41) Toluene-d8	7.894	98	260742	44.598	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	8.177	79	46039	43.823	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.640%
47) 2-Hexanone-d5	8.630	63	67309	94.461	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.460%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	130268	47.449	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.900%
66) 1,2-Dichlorobenzene-d4	12.189	152	96406	46.012	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	94363	49.774	ug/L	100
3) Chloromethane	1.521	50	84579	45.768	ug/L	97
5) Vinyl chloride	1.604	62	92763	46.835	ug/L	99
6) Bromomethane	1.858	94	54201	43.048	ug/L	99
8) Chloroethane	1.936	64	55078	45.684	ug/L	98
9) Trichlorofluoromethane	2.138	101	113167	43.942	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.582	101	69008	47.928	ug/L	98
12) 1,1-Dichloroethene	2.579	96	62281	45.710	ug/L	90
13) Acetone	2.637	43	78581	139.641	ug/L	99
14) Carbon disulfide	2.794	76	192371	43.562	ug/L	99
15) Methyl Acetate	2.948	43	58479	48.218	ug/L	96
16) Methylene chloride	3.045	84	73886	47.174	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	64176	46.368	ug/L	97
18) Methyl tert-butyl Ether	3.360	73	219915	47.283	ug/L	99
19) 1,1-Dichloroethane	3.865	63	132174	48.679	ug/L	100
20) cis-1,2-Dichloroethene	4.662	96	76819	47.659	ug/L	99
22) 2-Butanone	4.701	43	92448	108.117	ug/L	100
23) Bromochloromethane	4.971	128	35197	46.519	ug/L	90
25) Chloroform	5.083	83	133998	48.428	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030223\
 Data File : VU053188.D
 Acq On : 02 Mar 2023 15:40
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050159

Quant Time: Mar 03 01:47:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 03 01:44:16 2023
 Response via : Initial Calibration

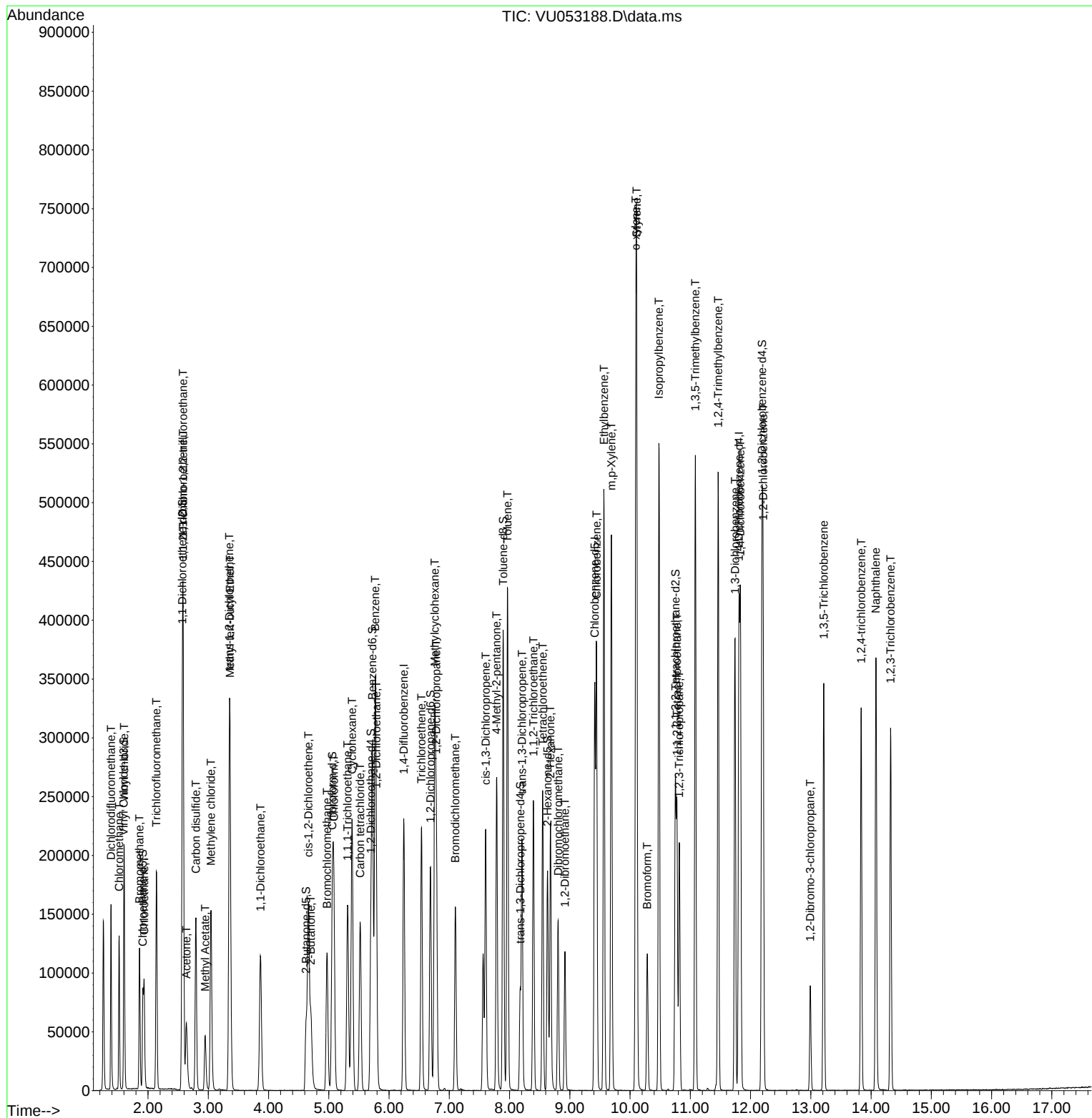
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	103383	48.140	ug/L	98
29) Cyclohexane	5.386	56	124972	47.781	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	112421	45.457	ug/L	99
31) Carbon tetrachloride	5.521	117	91164	43.381	ug/L	99
33) Benzene	5.771	78	294597	47.317	ug/L	100
34) Trichloroethene	6.537	95	76954	47.633	ug/L	94
35) Methylcyclohexane	6.759	83	134275	47.986	ug/L	98
37) 1,2-Dichloropropane	6.784	63	82724	48.182	ug/L	99
38) Bromodichloromethane	7.099	83	101490	46.995	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	135196	47.953	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	165230	90.371	ug/L	98
42) Toluene	7.964	91	318185	48.044	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	123318	47.221	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	72901	46.821	ug/L	98
46) Tetrachloroethene	8.550	164	48871	45.664	ug/L	96
48) 2-Hexanone	8.678	43	137019	94.974	ug/L	98
49) Dibromochloromethane	8.807	129	72343	44.984	ug/L	97
50) 1,2-Dibromoethane	8.919	107	76892	46.492	ug/L	98
51) Chlorobenzene	9.443	112	197060	48.031	ug/L	99
52) Ethylbenzene	9.566	91	363365	49.196	ug/L	100
53) m,p-Xylene	9.691	106	135988	48.963	ug/L	99
54) o-xylene	10.096	106	131336	47.697	ug/L	97
55) Styrene	10.109	104	223449	48.926	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	120894	47.868	ug/L	99
59) Bromoform	10.286	173	47666	41.087	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	88146	44.810	ug/L	99
61) Isopropylbenzene	10.479	105	360718	47.940	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	295154	46.329	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	288898	46.850	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	145592	47.250	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	148295	47.439	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	144202	46.304	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	24214	41.757	ug/L	100
69) 1,3,5-Trichlorobenzene	13.215	180	94486	45.234	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	85192	43.094	ug/L	98
71) Naphthalene	14.080	128	287705	37.906	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	81740	41.179	ug/L	98

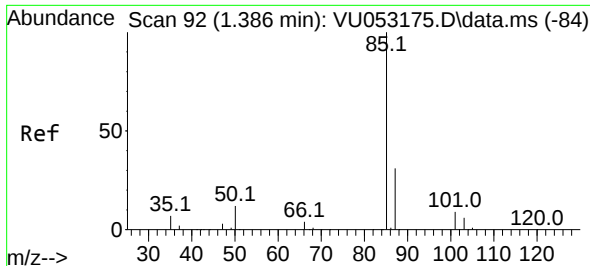
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030223\
 Data File : VU053188.D
 Acq On : 02 Mar 2023 15:40
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050159

Quant Time: Mar 03 01:47:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 03 01:44:16 2023
 Response via : Initial Calibration

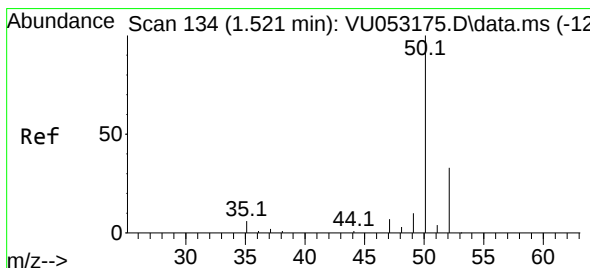
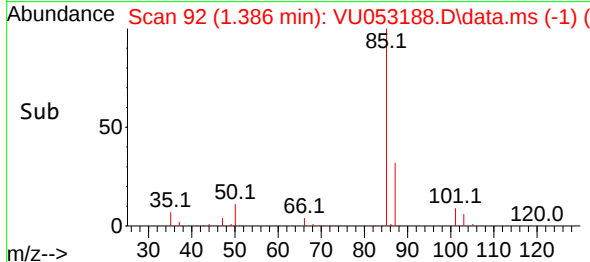
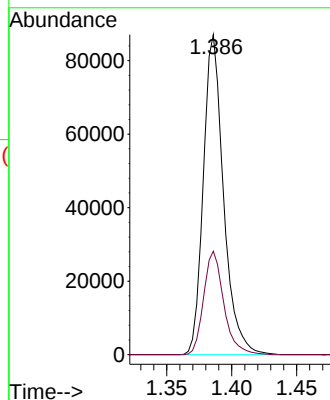
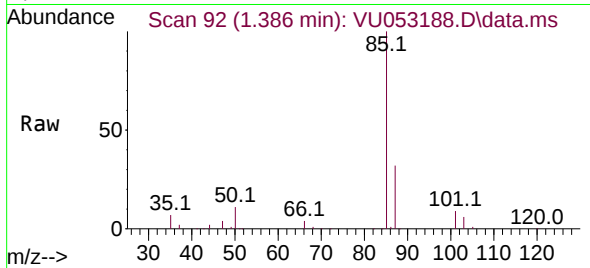




#2
Dichlorodifluoromethane
Concen: 49.774 ug/L
RT: 1.386 min Scan# 91
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

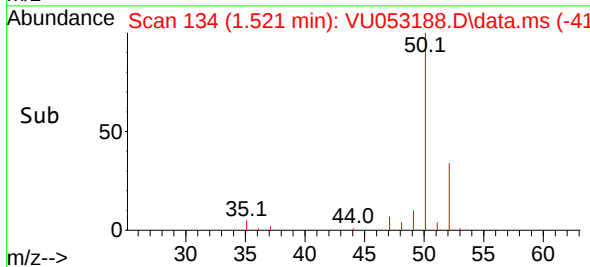
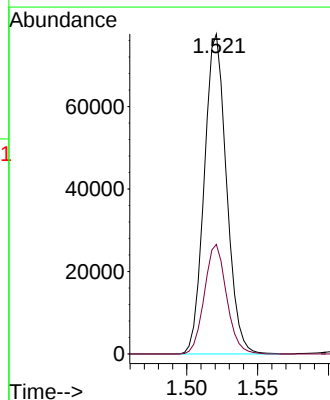
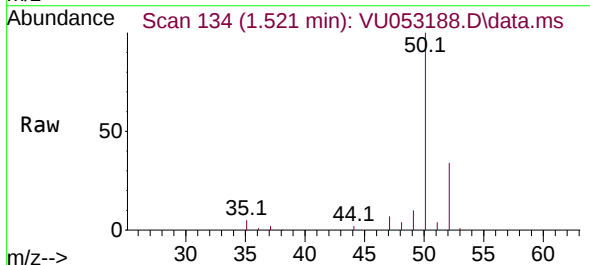
Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

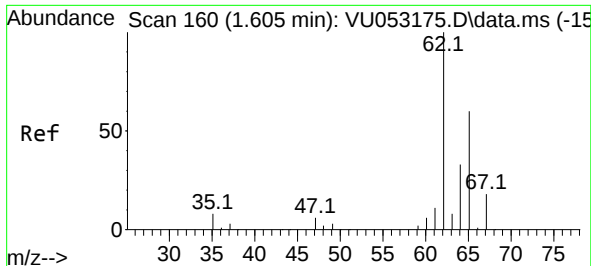
Tgt Ion: 85 Resp: 94363
Ion Ratio Lower Upper
85 100
87 32.2 25.6 38.4



#3
Chloromethane
Concen: 45.768 ug/L
RT: 1.521 min Scan# 134
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion: 50 Resp: 84579
Ion Ratio Lower Upper
50 100
52 34.3 22.8 42.4

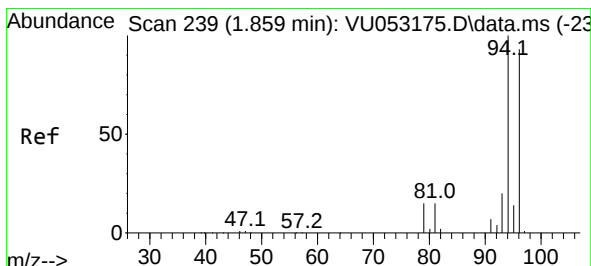
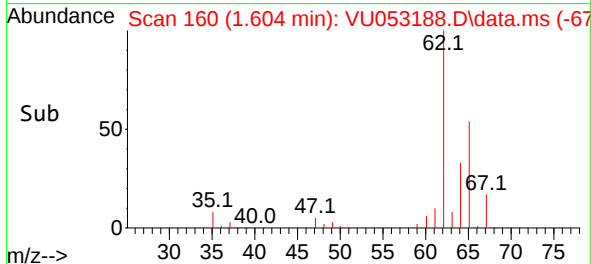
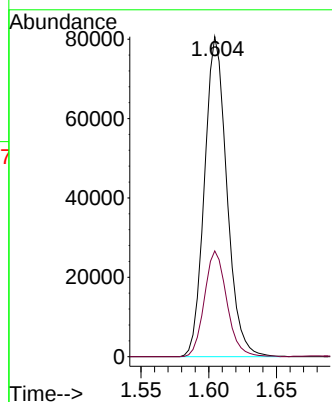
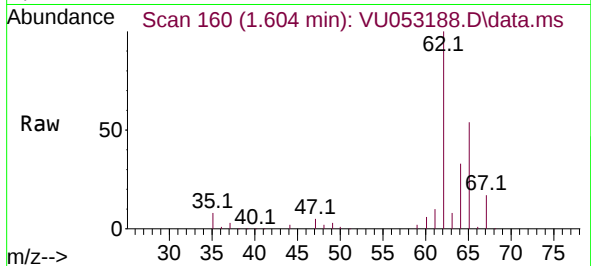




#5
 Vinyl chloride
 Concen: 46.835 ug/L
 RT: 1.604 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VU053188.D
 Acq: 02 Mar 2023 15:40

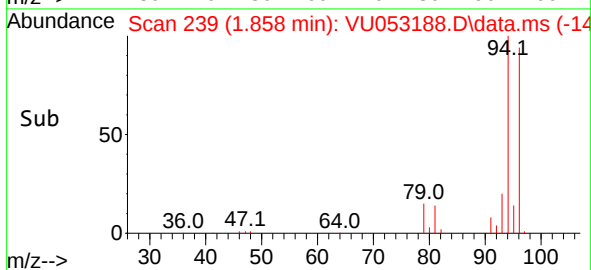
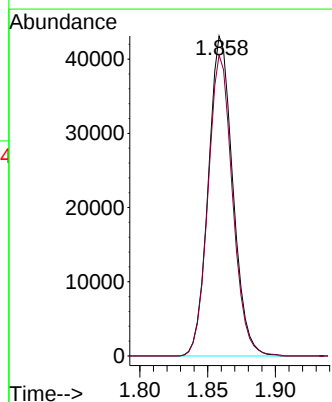
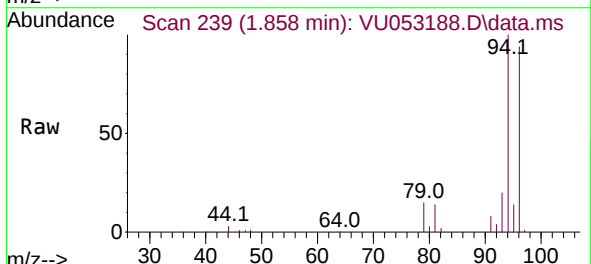
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050159

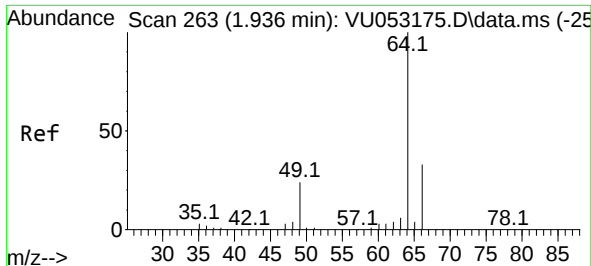
Tgt Ion: 62 Resp: 92763
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.4 43.6



#6
 Bromomethane
 Concen: 43.048 ug/L
 RT: 1.858 min Scan# 239
 Delta R.T. -0.000 min
 Lab File: VU053188.D
 Acq: 02 Mar 2023 15:40

Tgt Ion: 94 Resp: 54201
 Ion Ratio Lower Upper
 94 100
 96 94.1 65.0 120.8

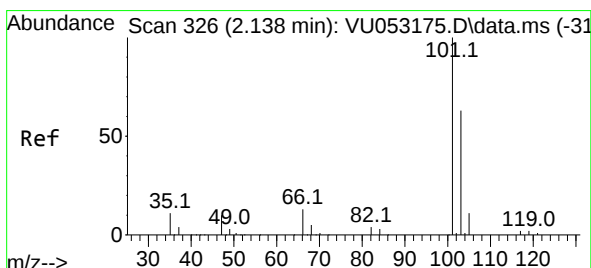
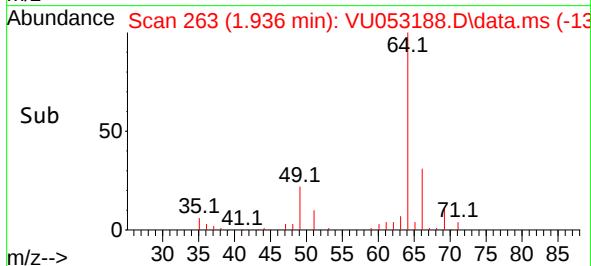
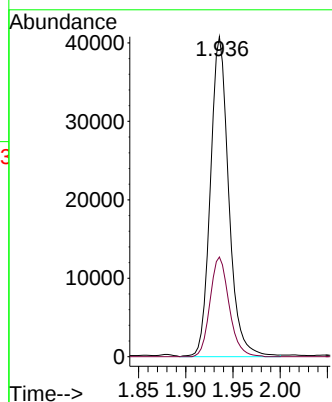
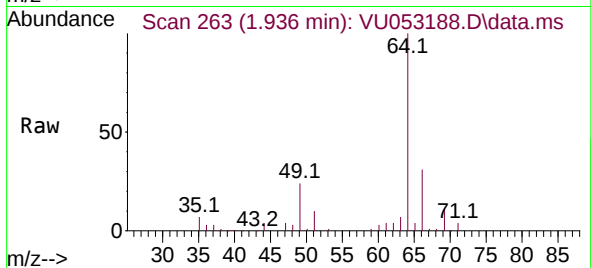




#8
Chloroethane
Concen: 45.684 ug/L
RT: 1.936 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

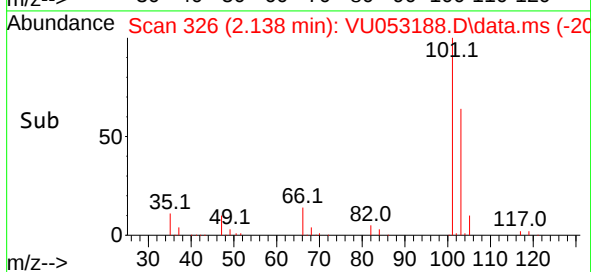
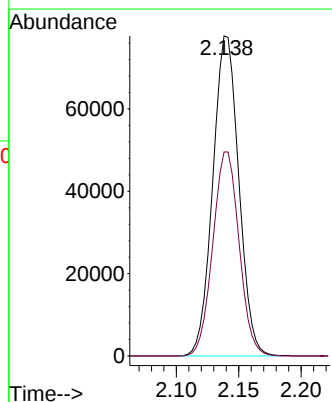
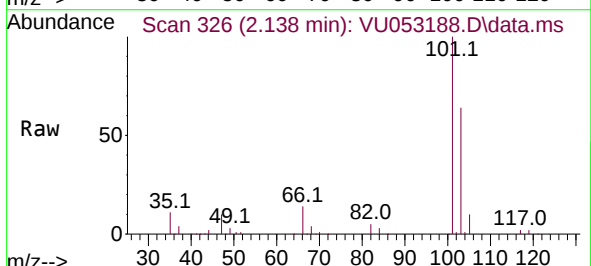
Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

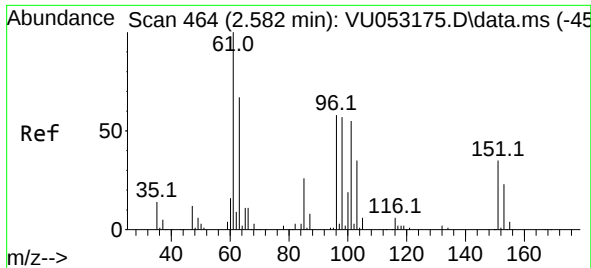
Tgt Ion: 64 Resp: 55078
Ion Ratio Lower Upper
64 100
66 31.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 43.942 ug/L
RT: 2.138 min Scan# 326
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion:101 Resp: 113167
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.0

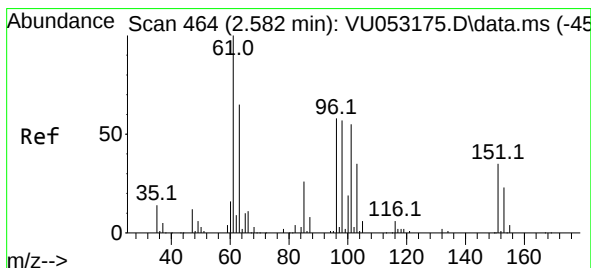
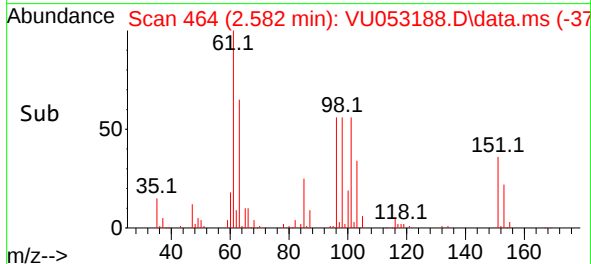
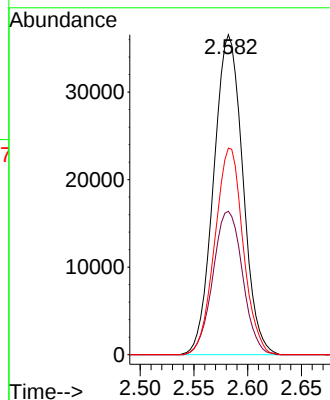
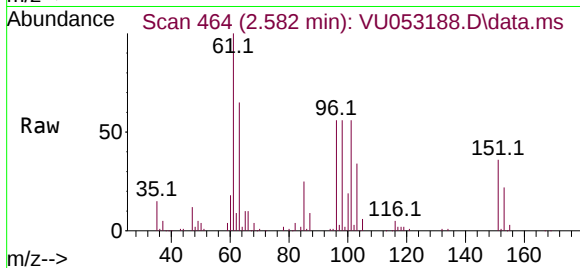




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.928 ug/L
 RT: 2.582 min Scan# 464
 Delta R.T. -0.000 min
 Lab File: VU053188.D
 Acq: 02 Mar 2023 15:40

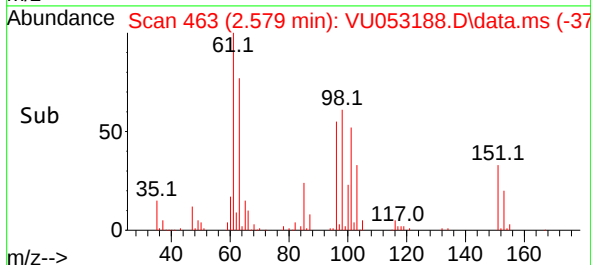
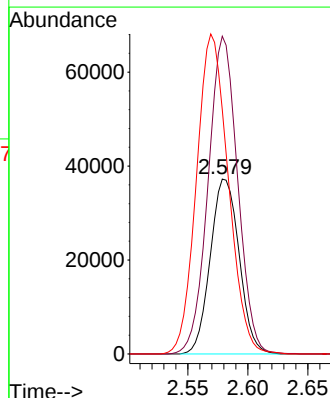
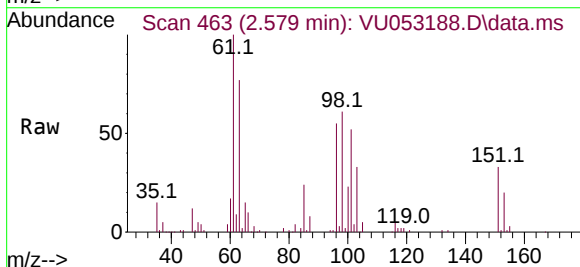
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050159

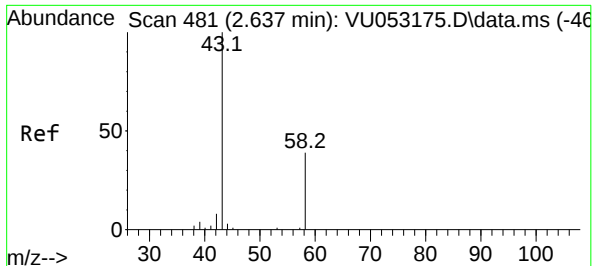
Tgt Ion:101 Resp: 69008
 Ion Ratio Lower Upper
 101 100
 85 45.6 36.6 54.8
 151 62.8 52.6 79.0



#12
 1,1-Dichloroethene
 Concen: 45.710 ug/L
 RT: 2.579 min Scan# 463
 Delta R.T. -0.003 min
 Lab File: VU053188.D
 Acq: 02 Mar 2023 15:40

Tgt Ion: 96 Resp: 62281
 Ion Ratio Lower Upper
 96 100
 61 181.7 121.9 226.3
 63 139.6 84.2 156.4





#13

Acetone

Concen: 139.641 ug/L

RT: 2.637 min Scan# 481

Delta R.T. -0.000 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

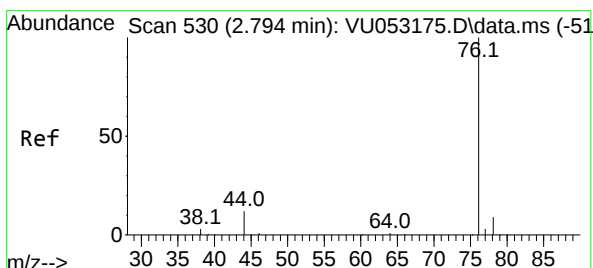
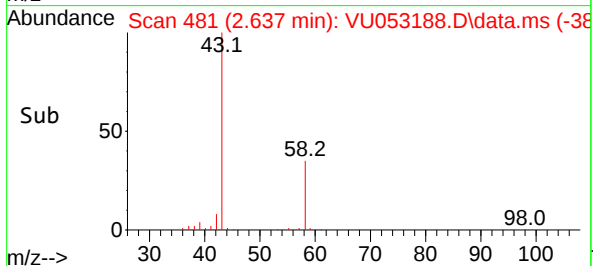
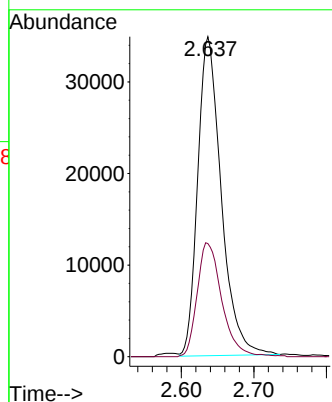
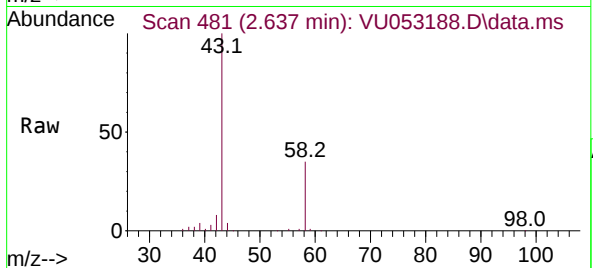
VSTD050159

Tgt Ion: 43 Resp: 78581

Ion Ratio Lower Upper

43 100

58 37.0 0.0 74.6



#14

Carbon disulfide

Concen: 43.562 ug/L

RT: 2.794 min Scan# 530

Delta R.T. -0.000 min

Lab File: VU053188.D

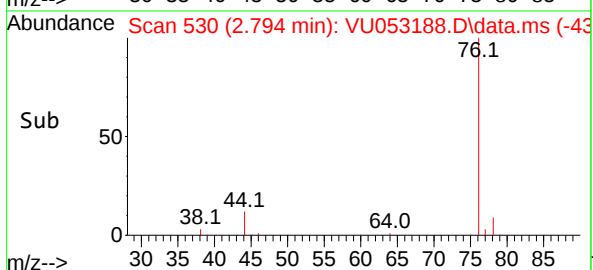
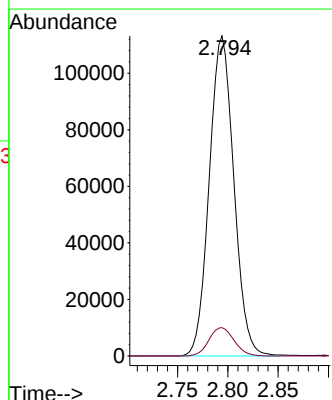
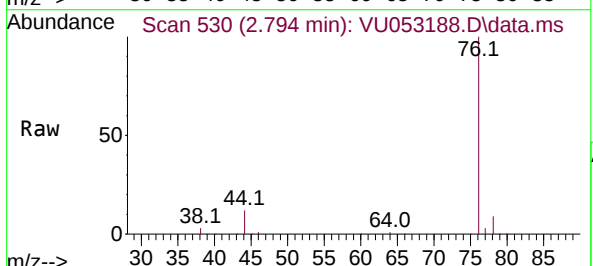
Acq: 02 Mar 2023 15:40

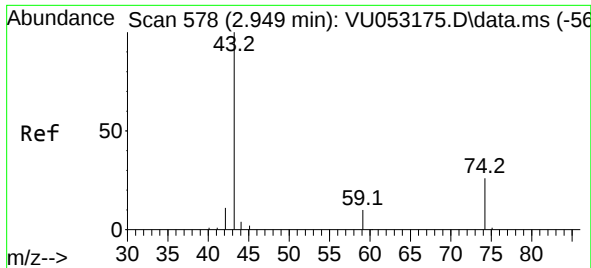
Tgt Ion: 76 Resp: 192371

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

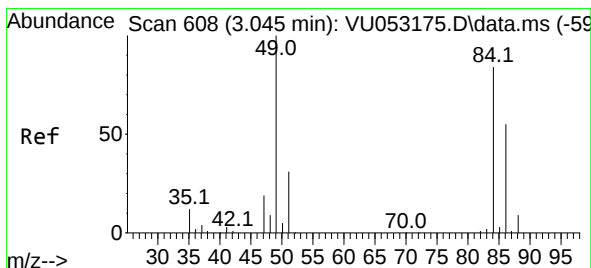
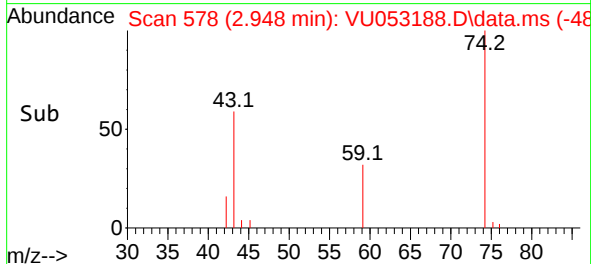
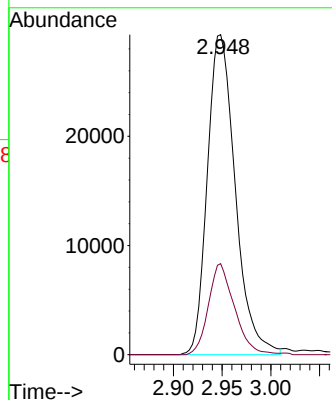
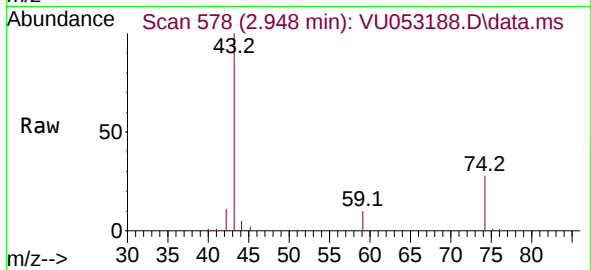




#15
Methyl Acetate
Concen: 48.218 ug/L
RT: 2.948 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

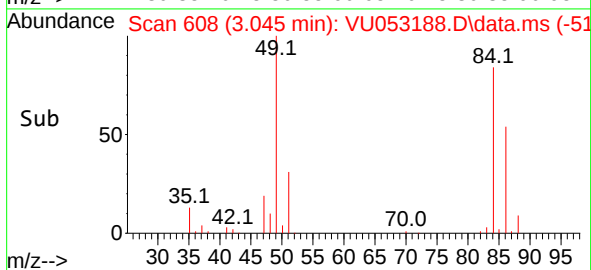
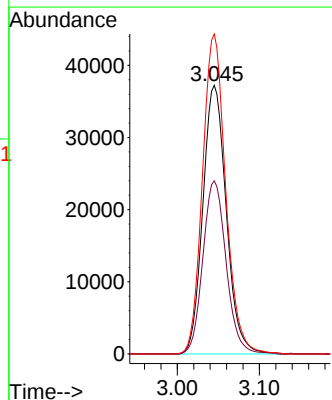
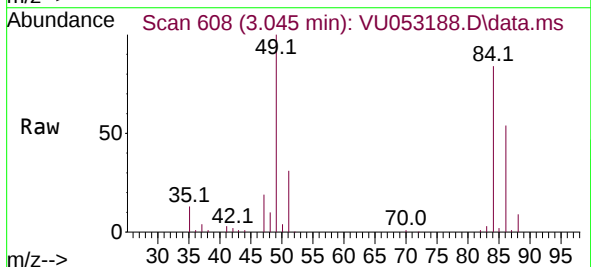
Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

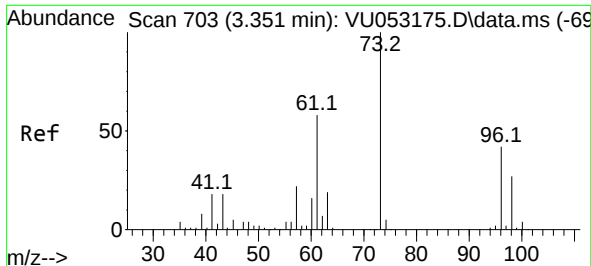
Tgt Ion: 43 Resp: 58479
Ion Ratio Lower Upper
43 100
74 26.4 22.7 34.1



#16
Methylene chloride
Concen: 47.174 ug/L
RT: 3.045 min Scan# 608
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion: 84 Resp: 73886
Ion Ratio Lower Upper
84 100
86 64.4 46.2 85.8
49 119.1 78.8 146.3





#17

trans-1,2-Dichloroethene

Concen: 46.368 ug/L

RT: 3.350 min Scan# 703

Delta R.T. -0.000 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD050159

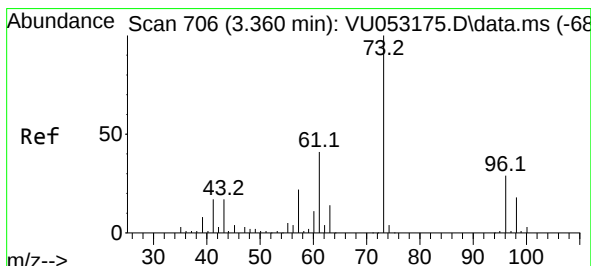
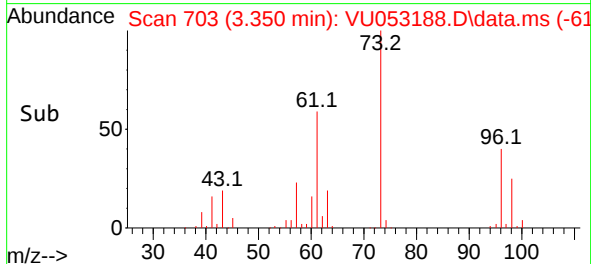
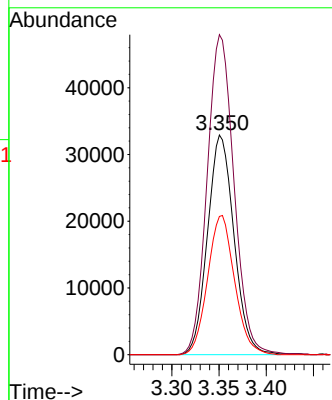
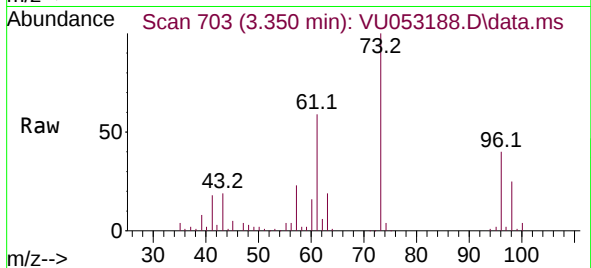
Tgt Ion: 96 Resp: 64176

Ion Ratio Lower Upper

96 100

61 145.7 99.2 184.2

98 62.9 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 47.283 ug/L

RT: 3.360 min Scan# 706

Delta R.T. -0.000 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

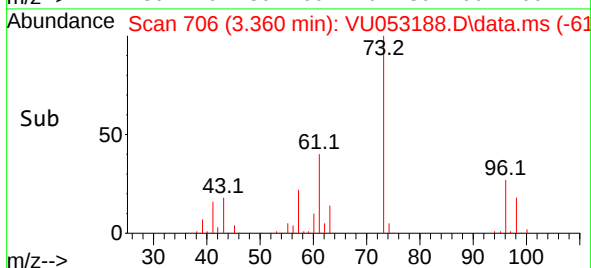
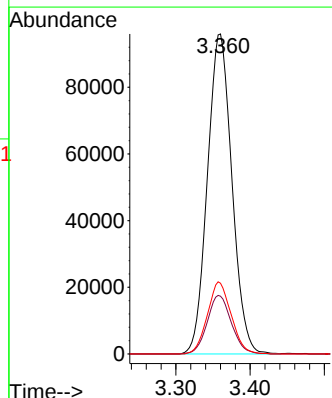
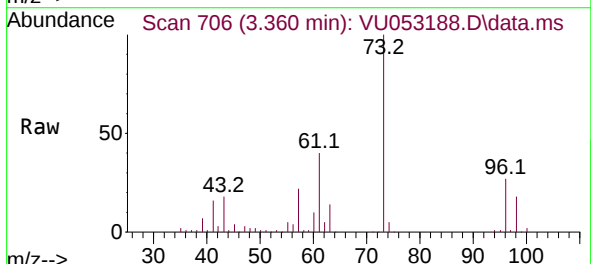
Tgt Ion: 73 Resp: 219915

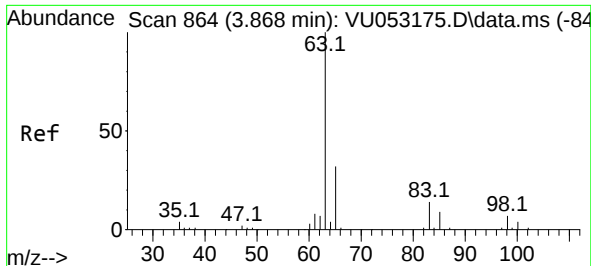
Ion Ratio Lower Upper

73 100

43 18.0 14.1 21.1

57 21.8 17.4 26.0





#19

1,1-Dichloroethane

Concen: 48.679 ug/L

RT: 3.865 min Scan# 8

Delta R.T. -0.003 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD050159

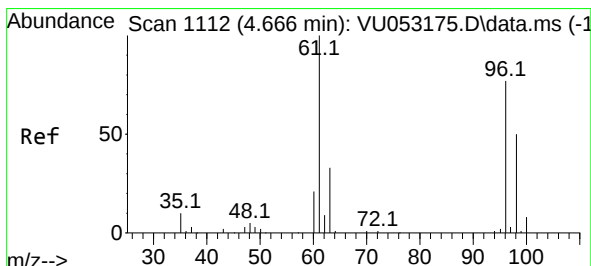
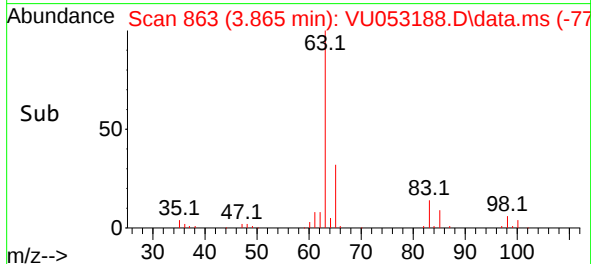
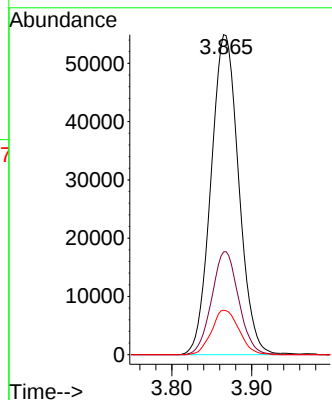
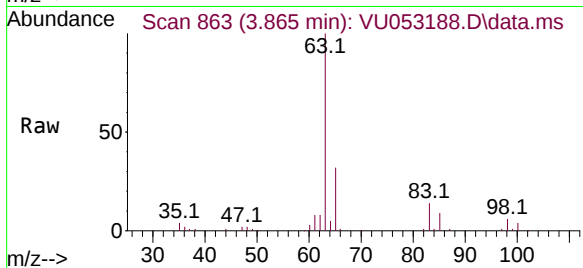
Tgt Ion: 63 Resp: 132174

Ion Ratio Lower Upper

63 100

65 32.1 22.4 41.6

83 13.9 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 47.659 ug/L

RT: 4.662 min Scan# 1111

Delta R.T. -0.003 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

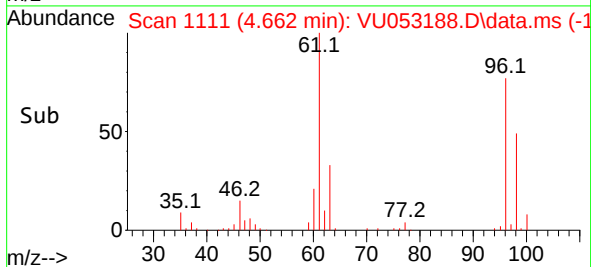
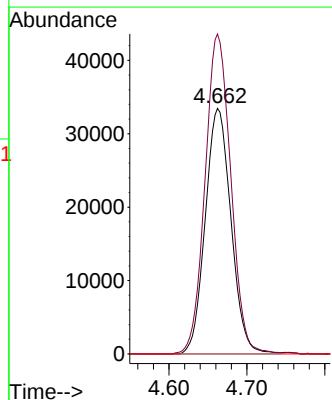
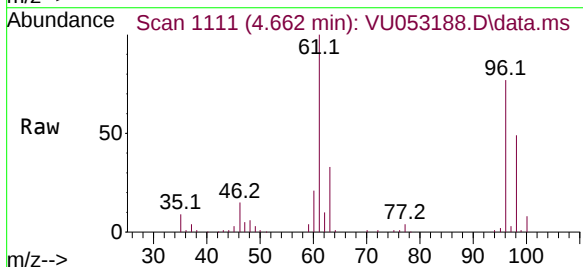
Tgt Ion: 96 Resp: 76819

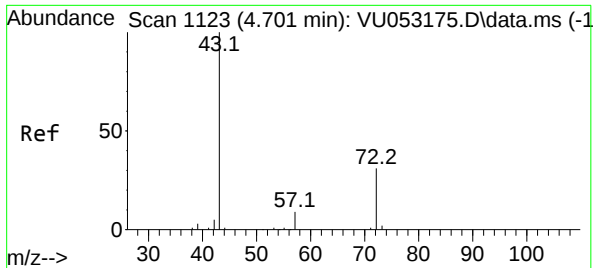
Ion Ratio Lower Upper

96 100

61 130.3 91.9 170.7

68 0.0 0.0 0.0

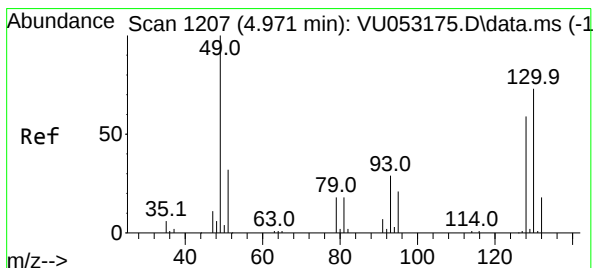
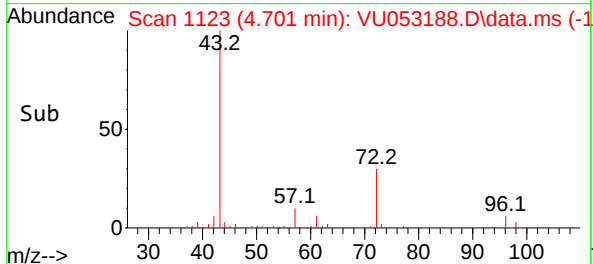
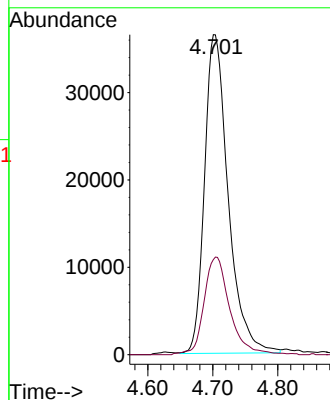
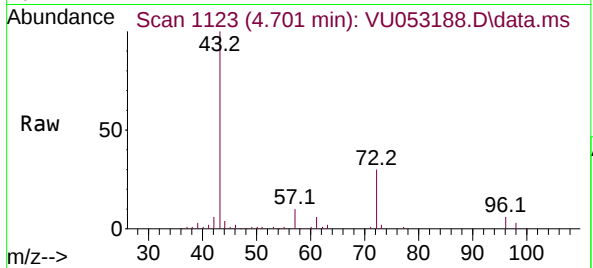




#22
2-Butanone
Concen: 108.117 ug/L
RT: 4.701 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

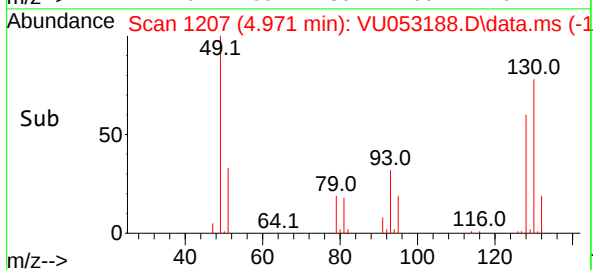
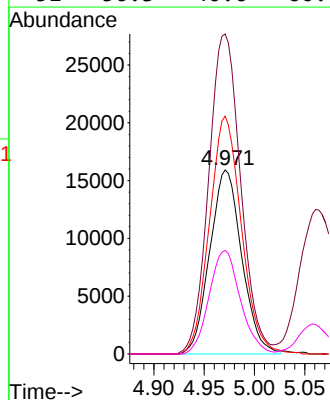
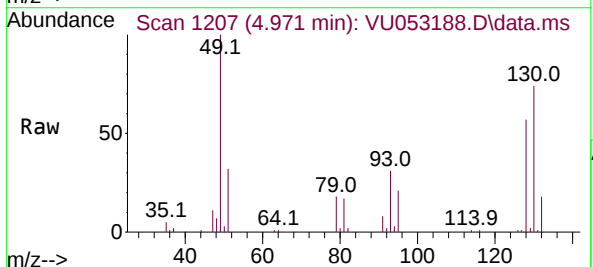
Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

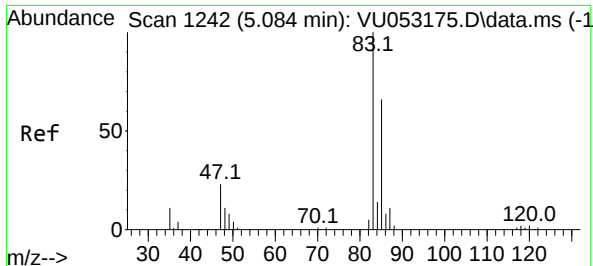
Tgt Ion: 43 Resp: 92448
Ion Ratio Lower Upper
43 100
72 33.3 16.6 49.7



#23
Bromochloromethane
Concen: 46.519 ug/L
RT: 4.971 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion:128 Resp: 35197
Ion Ratio Lower Upper
128 100
49 174.0 107.6 199.8
130 129.3 87.9 163.3
51 56.3 40.6 60.8





#25

Chloroform

Concen: 48.428 ug/L

RT: 5.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

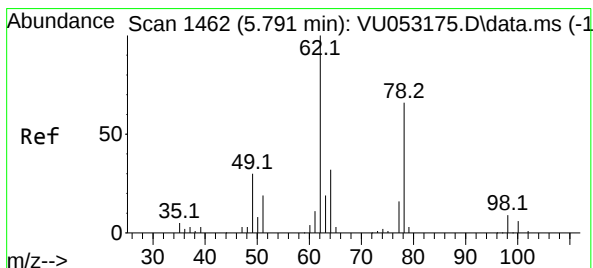
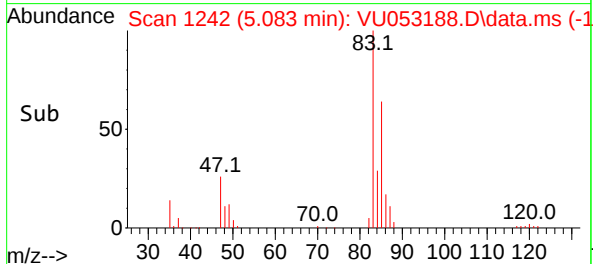
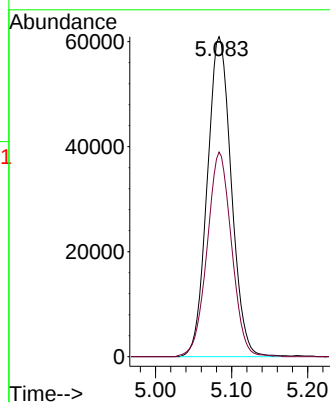
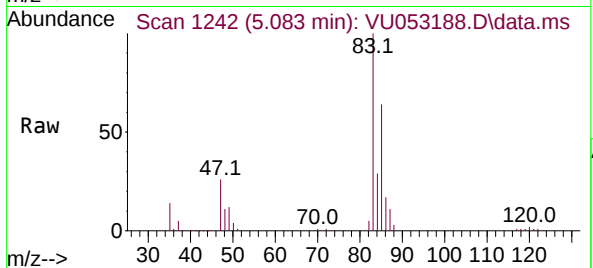
VSTD050159

Tgt Ion: 83 Resp: 133998

Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.0



#27

1,2-Dichloroethane

Concen: 48.140 ug/L

RT: 5.791 min Scan# 1462

Delta R.T. -0.000 min

Lab File: VU053188.D

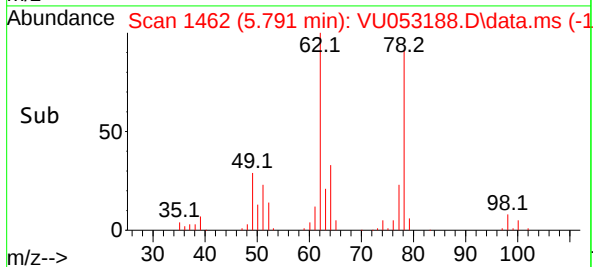
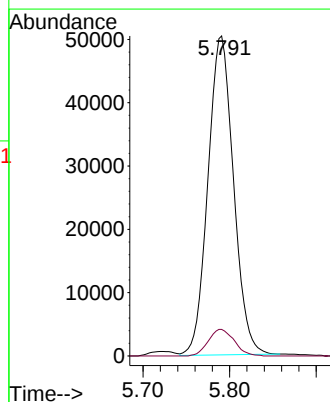
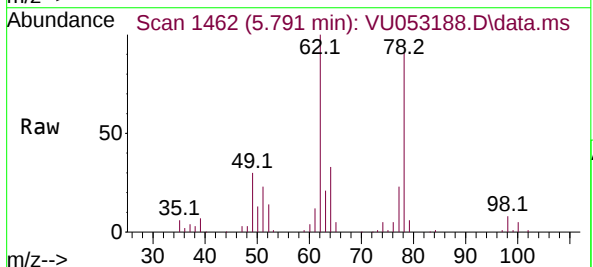
Acq: 02 Mar 2023 15:40

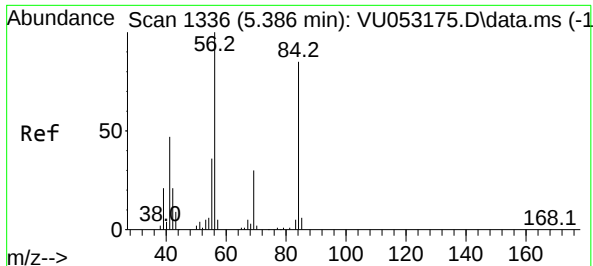
Tgt Ion: 62 Resp: 103383

Ion Ratio Lower Upper

62 100

98 8.3 7.2 10.8





#29

Cyclohexane

Concen: 47.781 ug/L

RT: 5.386 min Scan# 1336

Delta R.T. -0.000 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD050159

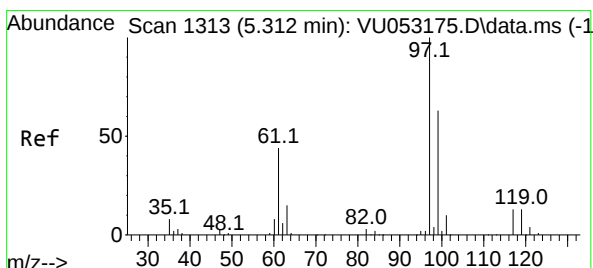
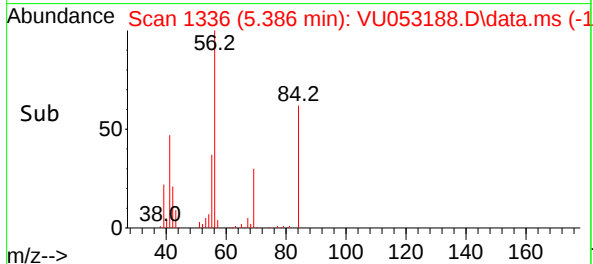
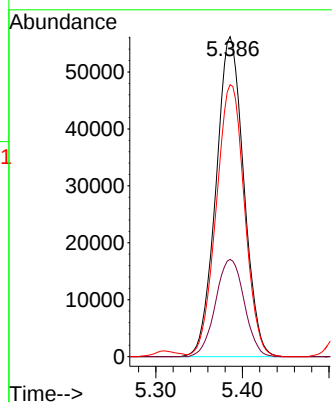
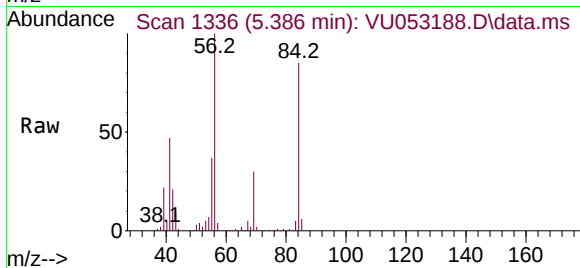
Tgt Ion: 56 Resp: 124972

Ion Ratio Lower Upper

56 100

69 31.4 25.9 38.9

84 86.8 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 45.457 ug/L

RT: 5.312 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

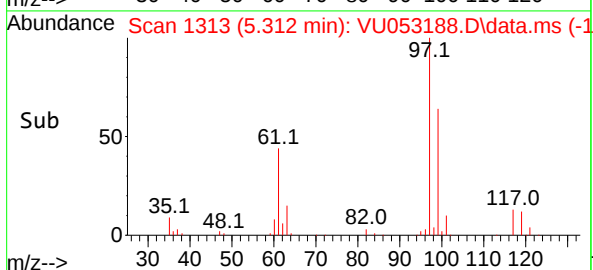
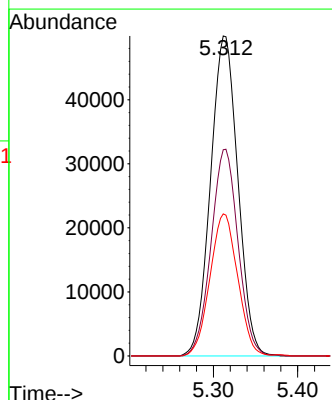
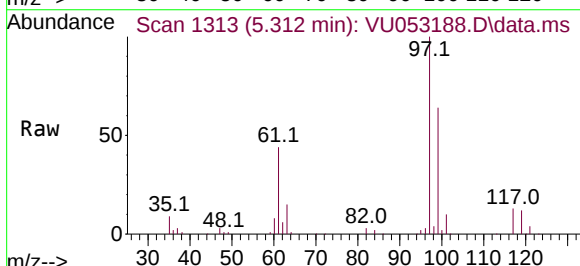
Tgt Ion: 97 Resp: 112421

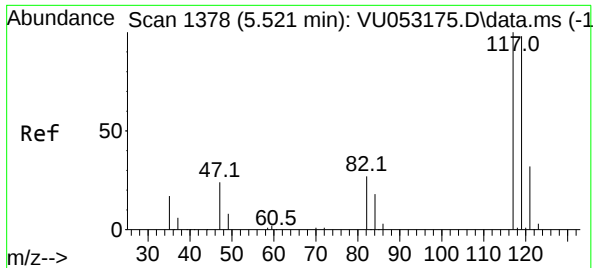
Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 45.1 35.3 52.9

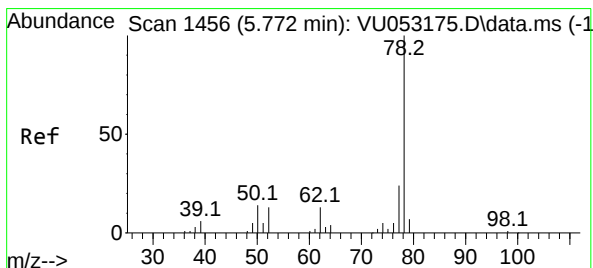
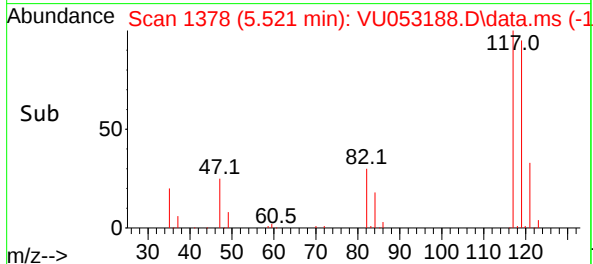
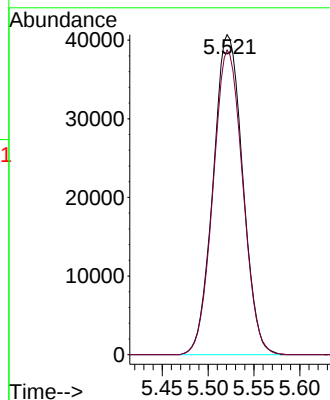
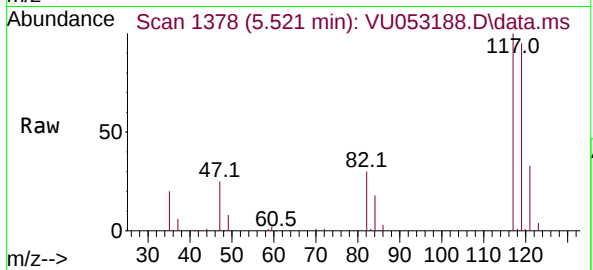




#31
Carbon tetrachloride
Concen: 43.381 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

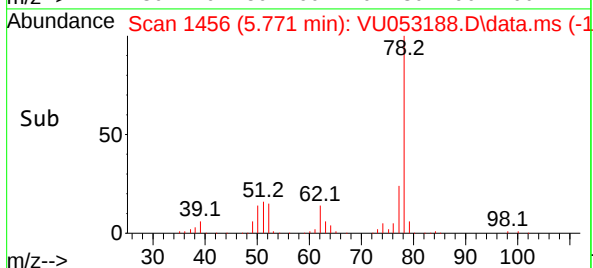
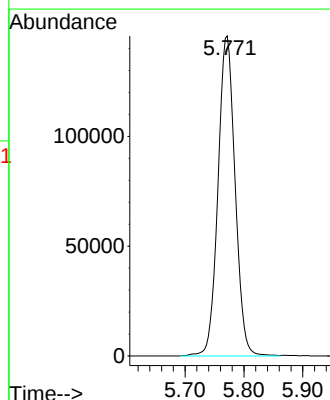
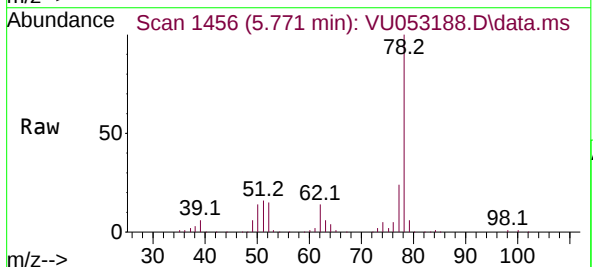
Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

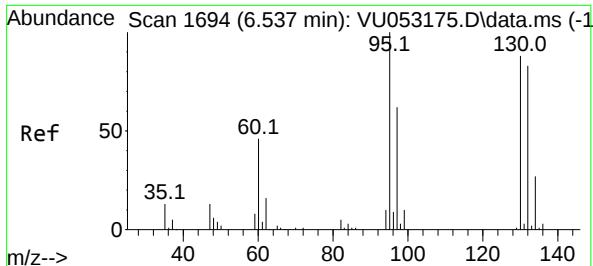
Tgt Ion:117 Resp: 91164
Ion Ratio Lower Upper
117 100
119 95.4 75.9 113.9



#33
Benzene
Concen: 47.317 ug/L
RT: 5.771 min Scan# 1456
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion: 78 Resp: 294597





#34

Trichloroethene

Concen: 47.633 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD050159

Tgt Ion: 95 Resp: 76954

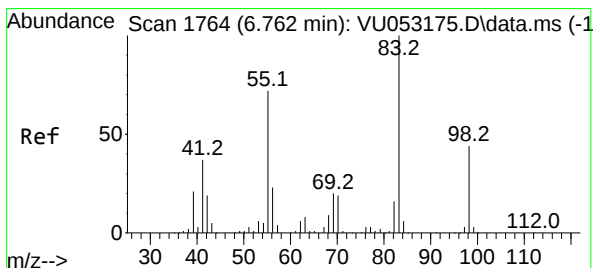
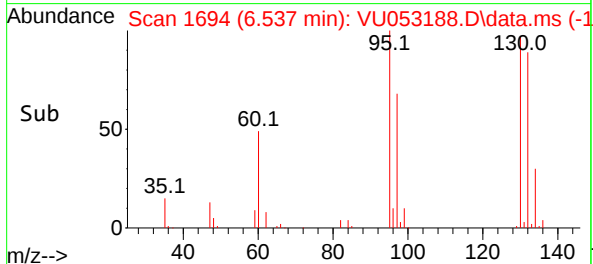
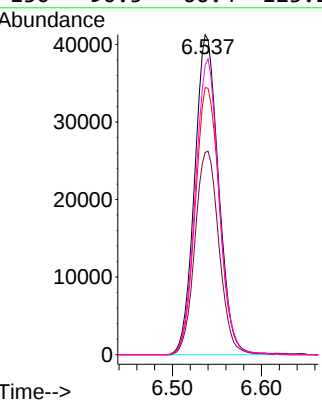
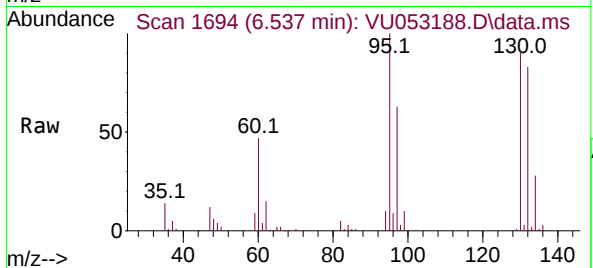
Ion Ratio Lower Upper

95 100

97 63.2 47.1 87.5

132 83.5 63.6 118.2

130 90.5 66.4 123.2



#35

Methylcyclohexane

Concen: 47.986 ug/L

RT: 6.759 min Scan# 1763

Delta R.T. -0.003 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

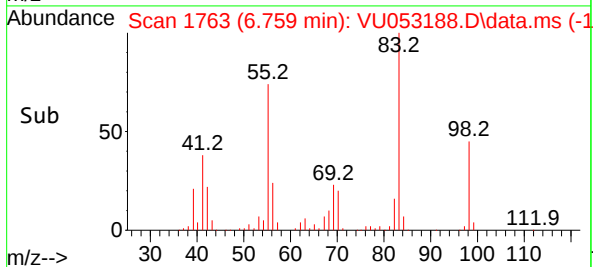
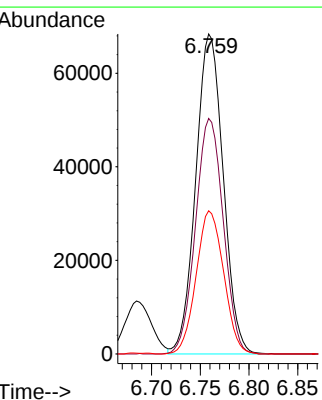
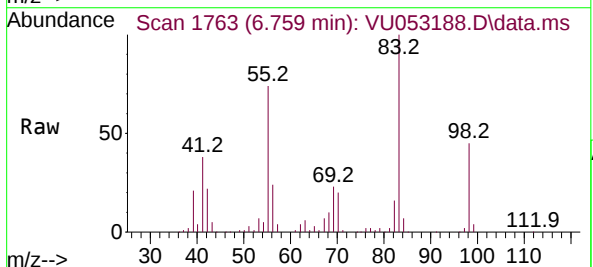
Tgt Ion: 83 Resp: 134275

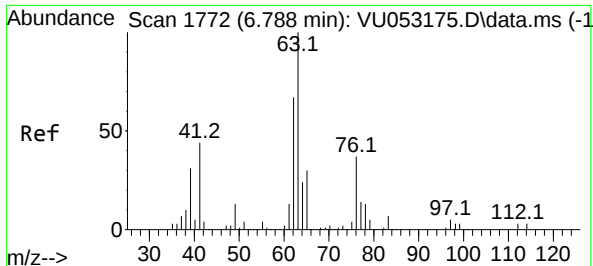
Ion Ratio Lower Upper

83 100

55 74.2 57.4 86.2

98 44.8 36.1 54.1





#37

1,2-Dichloropropane

Concen: 48.182 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

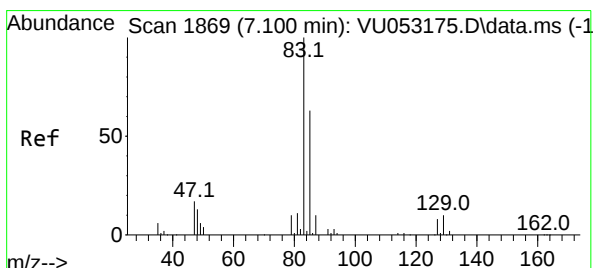
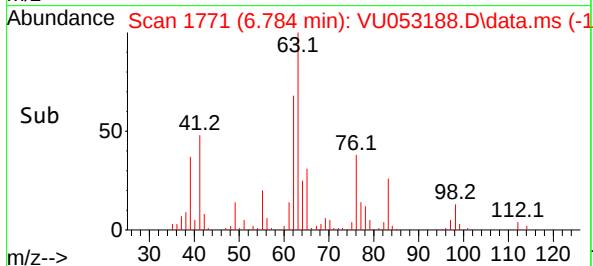
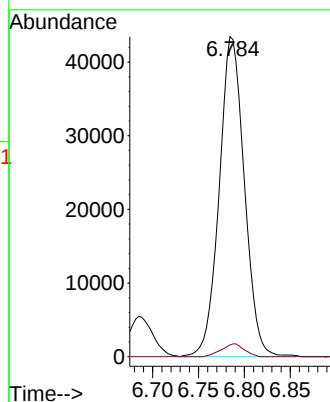
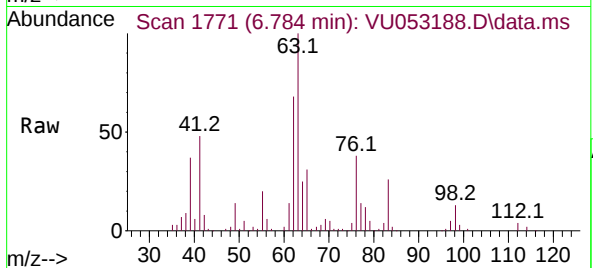
VSTD050159

Tgt Ion: 63 Resp: 82724

Ion Ratio Lower Upper

63 100

112 3.6 2.7 4.1



#38

Bromodichloromethane

Concen: 46.995 ug/L

RT: 7.099 min Scan# 1869

Delta R.T. -0.000 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

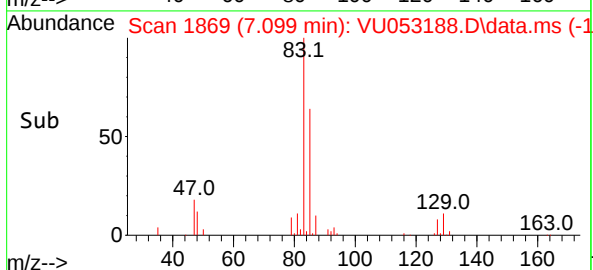
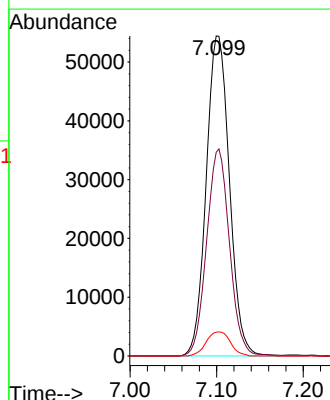
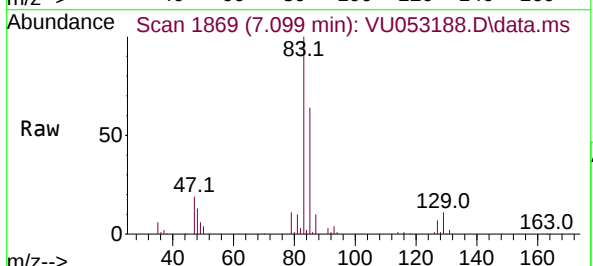
Tgt Ion: 83 Resp: 101490

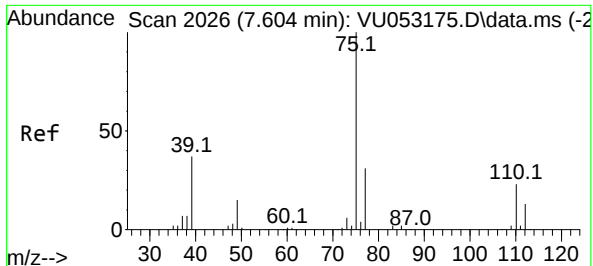
Ion Ratio Lower Upper

83 100

85 63.6 44.2 82.0

127 7.5 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 47.953 ug/L

RT: 7.604 min Scan# 2026

Delta R.T. -0.000 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

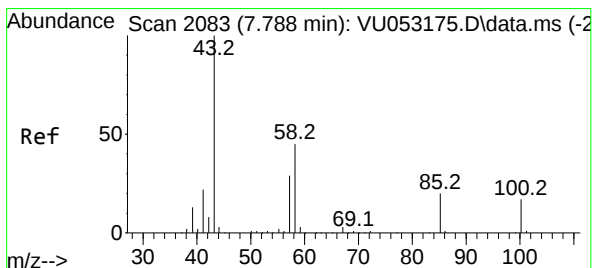
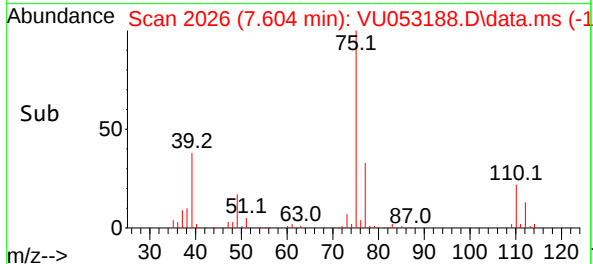
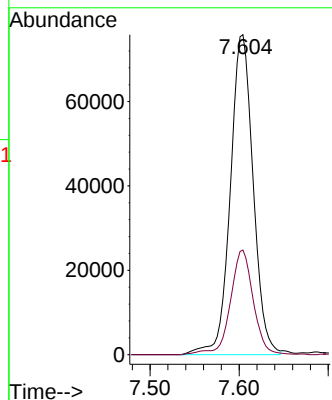
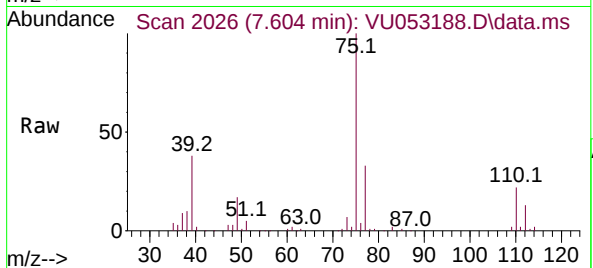
VSTD050159

Tgt Ion: 75 Resp: 135196

Ion Ratio Lower Upper

75 100

77 32.7 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 90.371 ug/L

RT: 7.784 min Scan# 2082

Delta R.T. -0.003 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

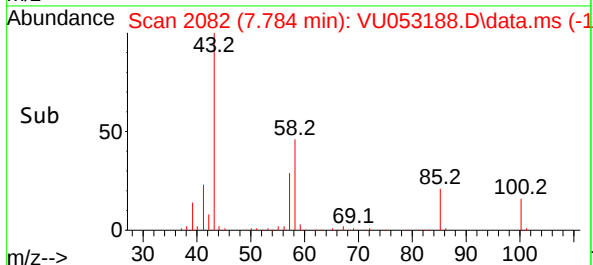
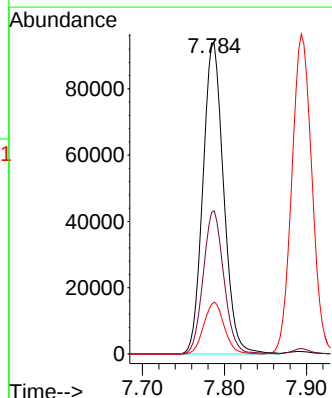
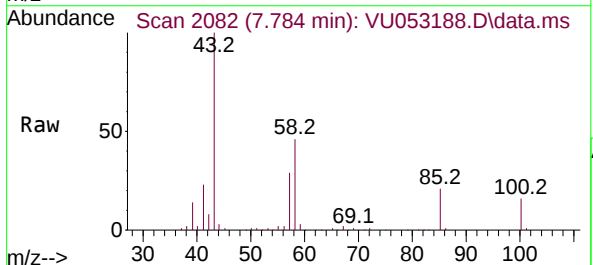
Tgt Ion: 43 Resp: 165230

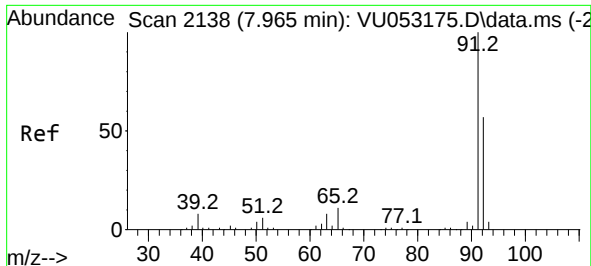
Ion Ratio Lower Upper

43 100

58 45.8 35.9 53.9

100 16.3 13.7 20.5





#42

Toluene

Concen: 48.044 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

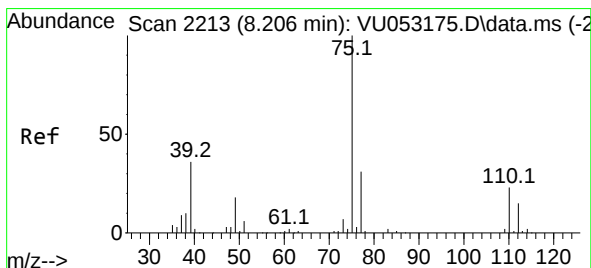
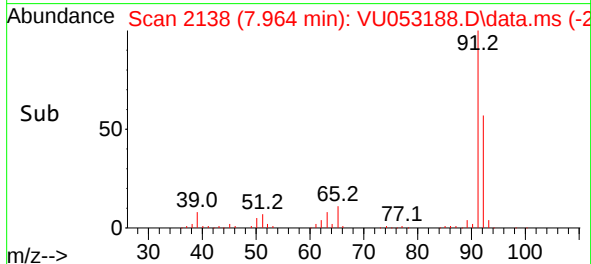
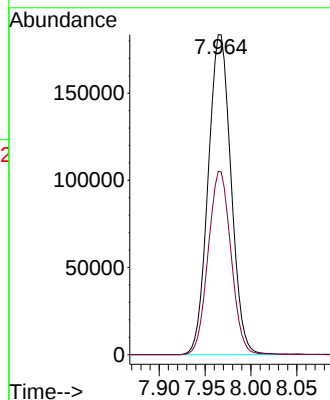
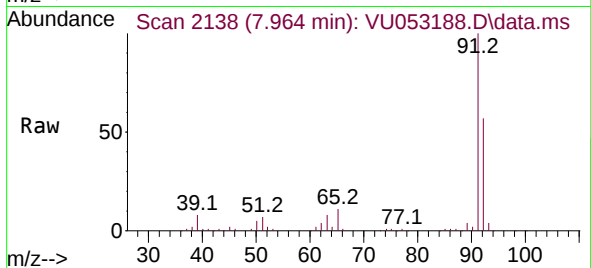
VSTD050159

Tgt Ion: 91 Resp: 318185

Ion Ratio Lower Upper

91 100

92 57.3 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 47.221 ug/L

RT: 8.205 min Scan# 2213

Delta R.T. -0.000 min

Lab File: VU053188.D

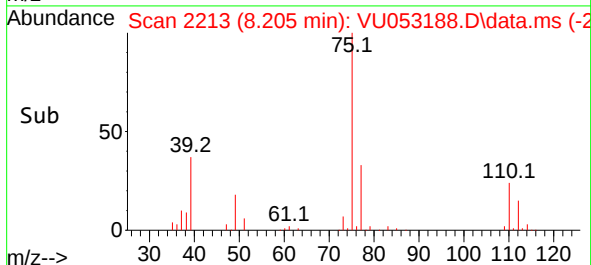
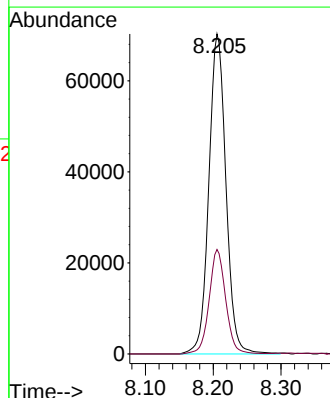
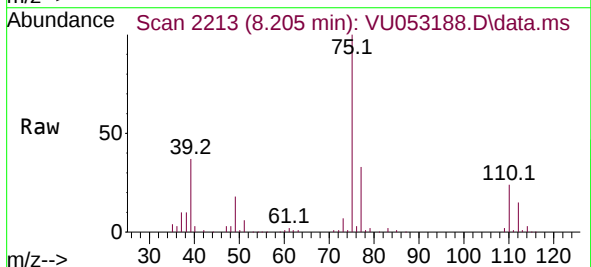
Acq: 02 Mar 2023 15:40

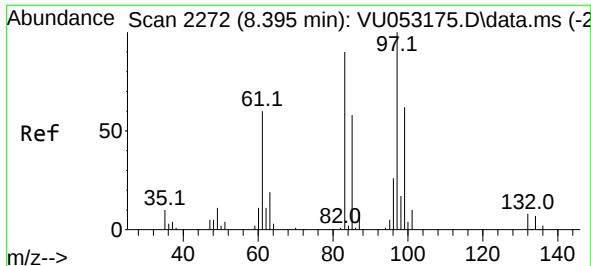
Tgt Ion: 75 Resp: 123318

Ion Ratio Lower Upper

75 100

77 32.7 22.2 41.2



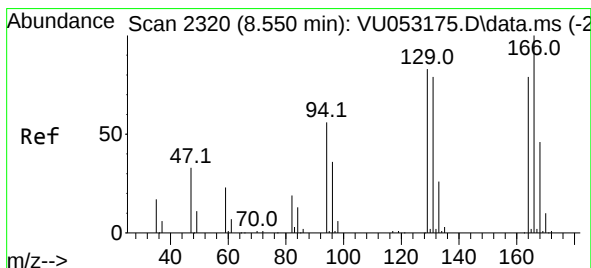
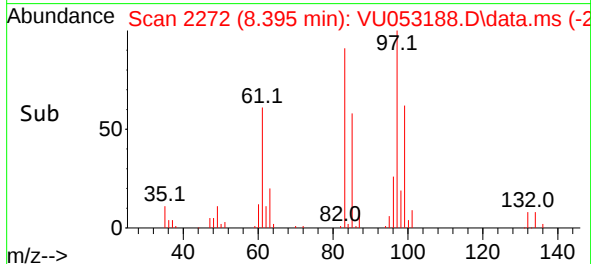
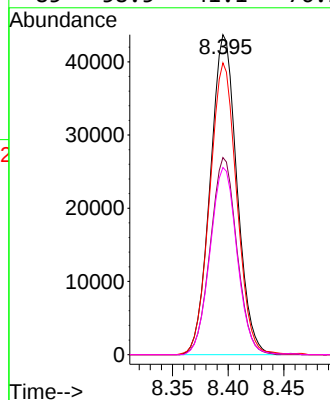
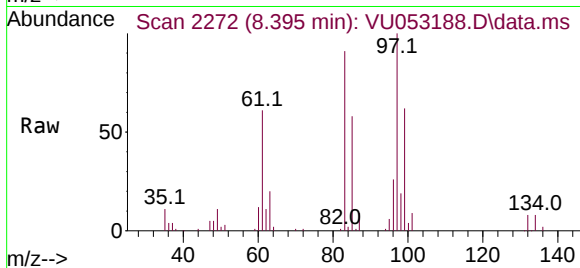


#45
1,1,2-Trichloroethane
Concen: 46.821 ug/L
RT: 8.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

Tgt Ion: 97 Resp: 72901

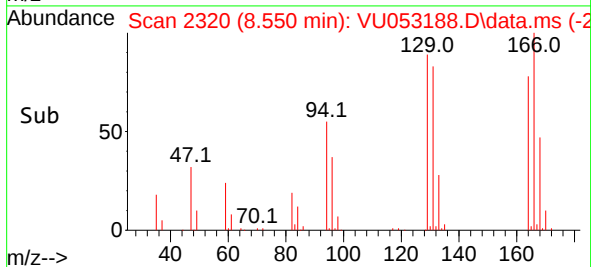
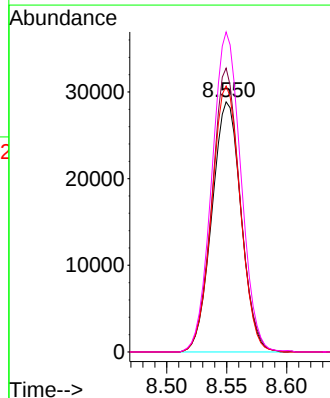
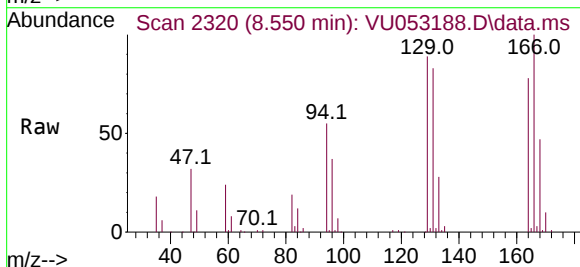
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.7	81.1
83	91.2	61.7	114.5
85	58.5	41.1	76.3

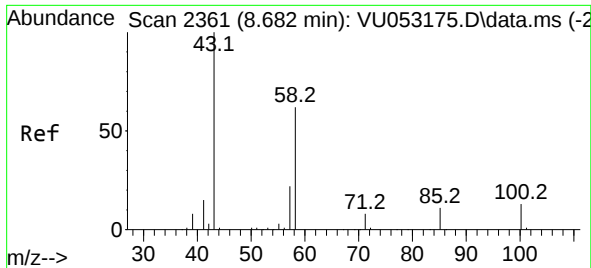


#46
Tetrachloroethene
Concen: 45.664 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion: 164 Resp: 48871

Ion	Ratio	Lower	Upper
164	100		
129	113.5	74.8	139.0
131	106.4	70.7	131.3
166	128.0	88.6	164.6

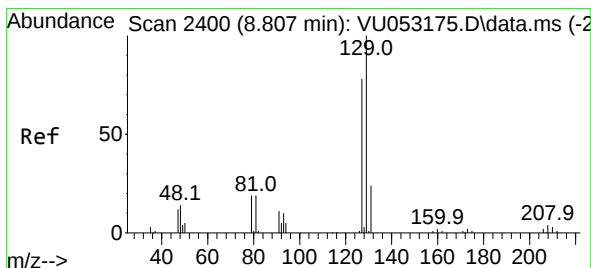
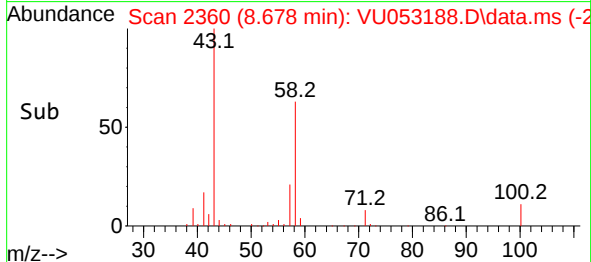
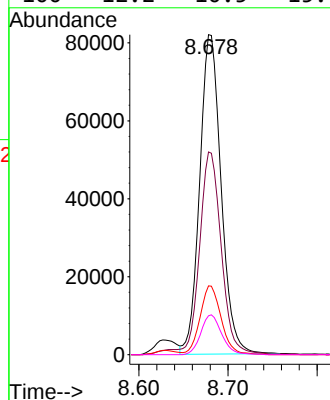
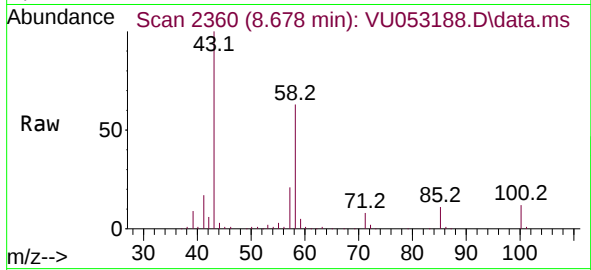




#48
2-Hexanone
Concen: 94.974 ug/L
RT: 8.678 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

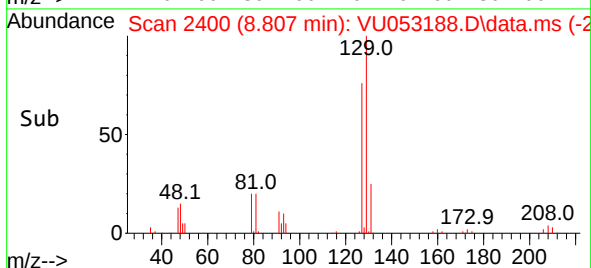
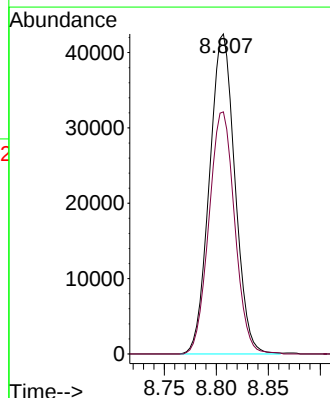
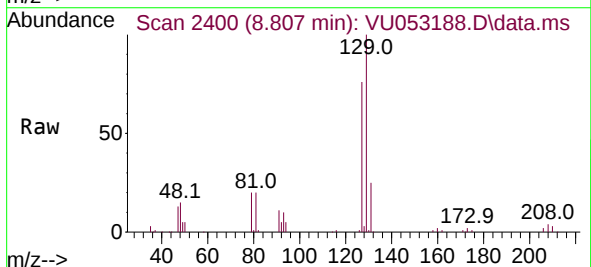
Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

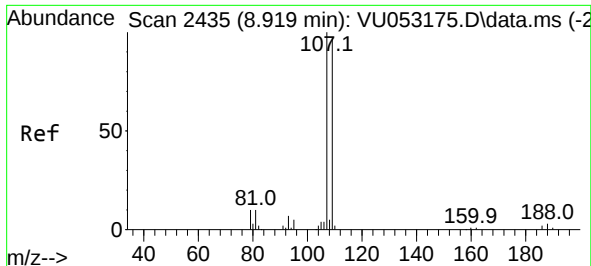
Tgt Ion:	43	Resp:	137019
Ion	Ratio	Lower	Upper
43	100		
58	63.7	50.0	75.0
57	21.3	17.7	26.5
100	12.2	10.5	15.7



#49
Dibromochloromethane
Concen: 44.984 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion:	129	Resp:	72343
Ion	Ratio	Lower	Upper
129	100		
127	75.6	54.9	101.9

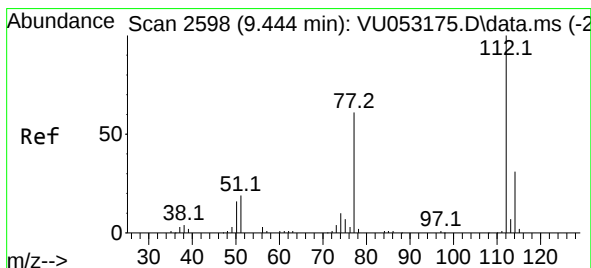
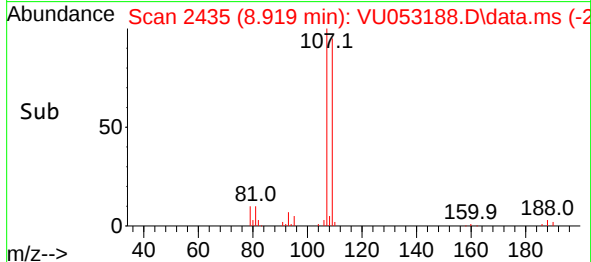
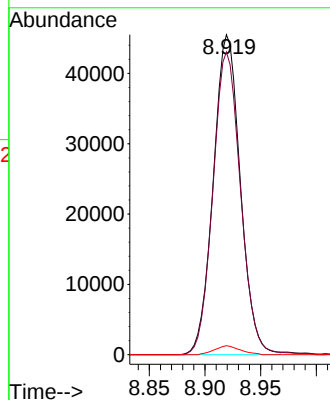
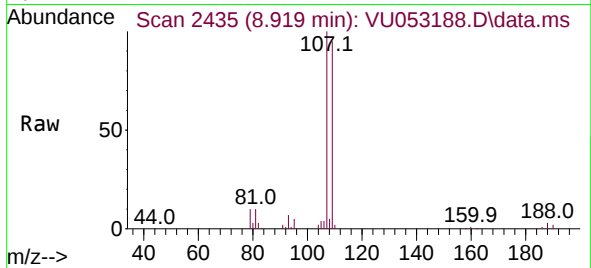




#50
1,2-Dibromoethane
Concen: 46.492 ug/L
RT: 8.919 min Scan# 2435
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

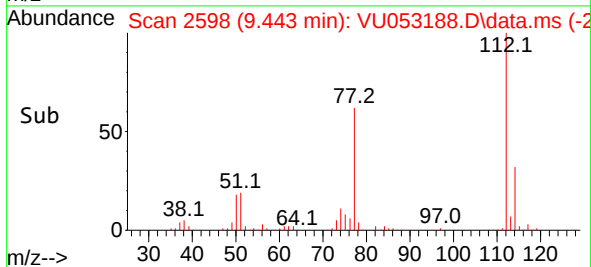
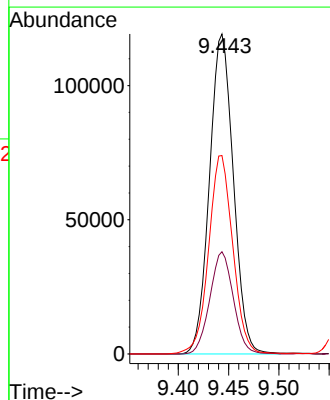
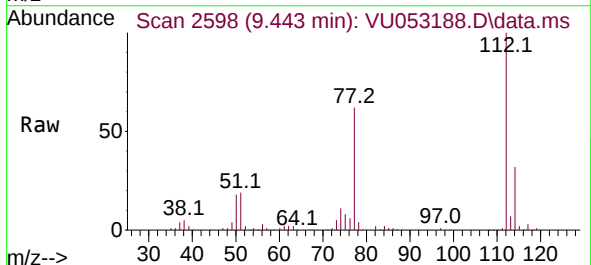
Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

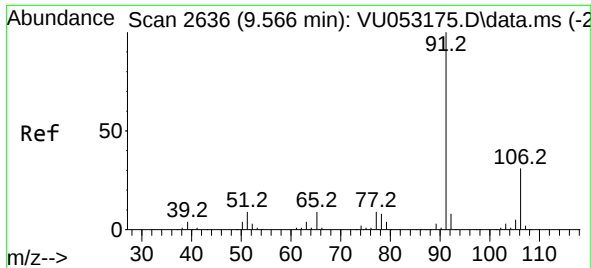
Tgt Ion:107 Resp: 76892
Ion Ratio Lower Upper
107 100
109 94.6 64.5 119.9
188 2.8 2.2 3.4



#51
Chlorobenzene
Concen: 48.031 ug/L
RT: 9.443 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion:112 Resp: 197060
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.3
77 62.0 48.8 73.2

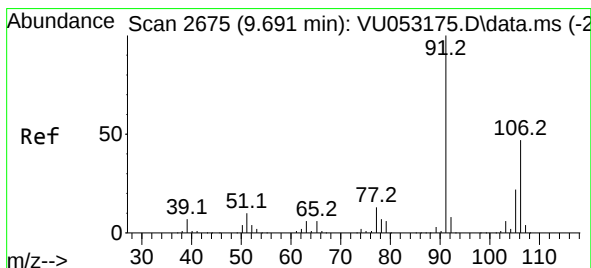
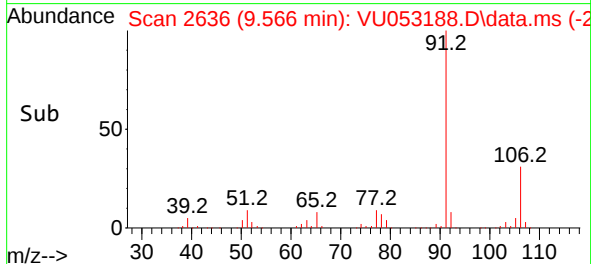
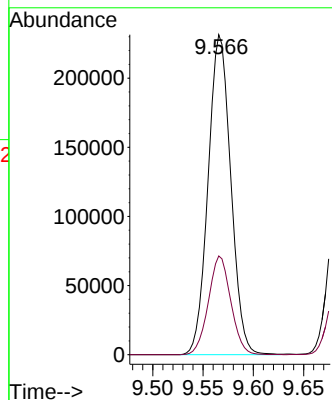
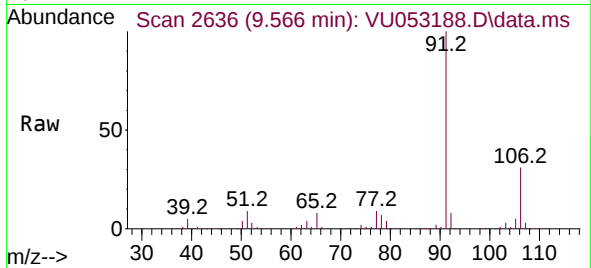




#52
Ethylbenzene
Concen: 49.196 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

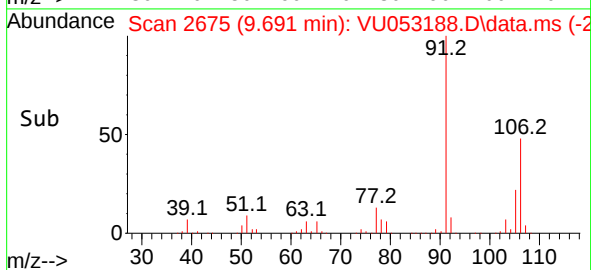
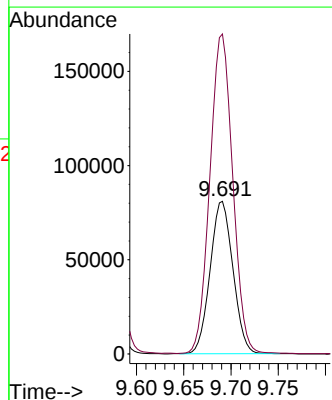
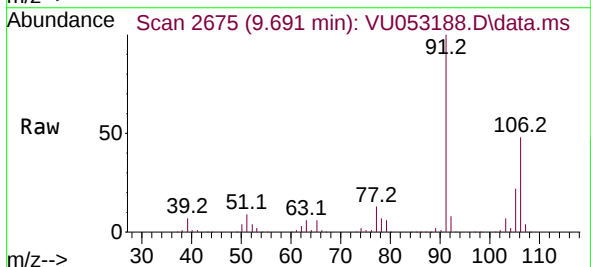
Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

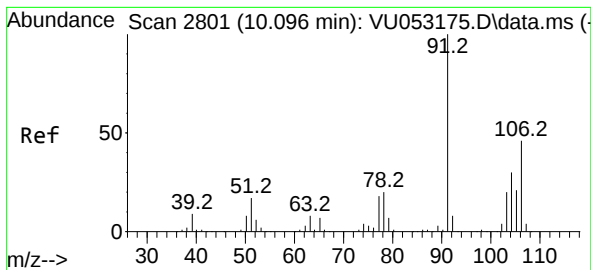
Tgt Ion: 91 Resp: 363365
Ion Ratio Lower Upper
91 100
106 30.8 21.5 39.9



#53
m,p-Xylene
Concen: 48.963 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion: 106 Resp: 135988
Ion Ratio Lower Upper
106 100
91 209.6 145.6 270.4





#54

o-xylene

Concen: 47.697 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. -0.000 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

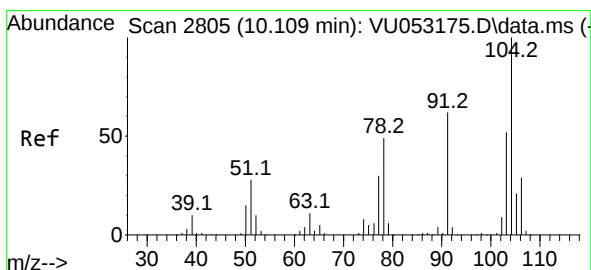
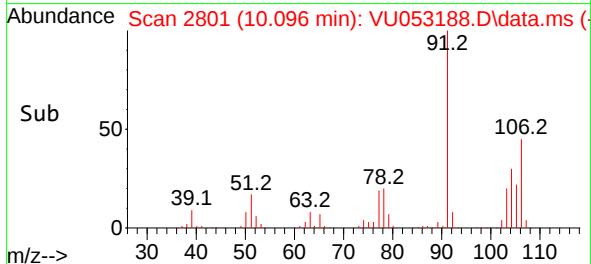
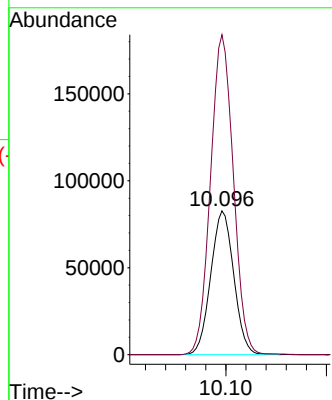
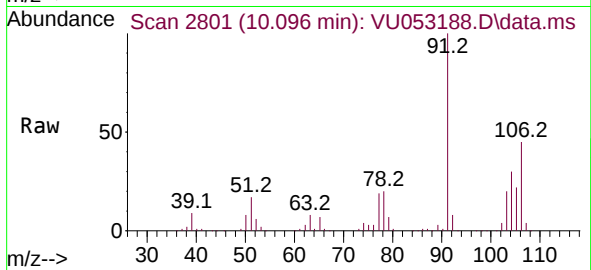
VSTD050159

Tgt Ion:106 Resp: 131336

Ion Ratio Lower Upper

106 100

91 222.5 152.8 283.8



#55

Styrene

Concen: 48.926 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. -0.000 min

Lab File: VU053188.D

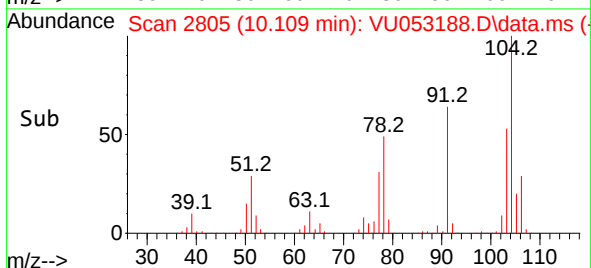
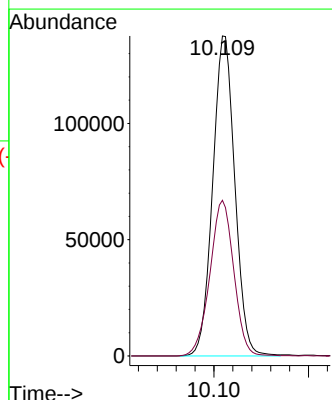
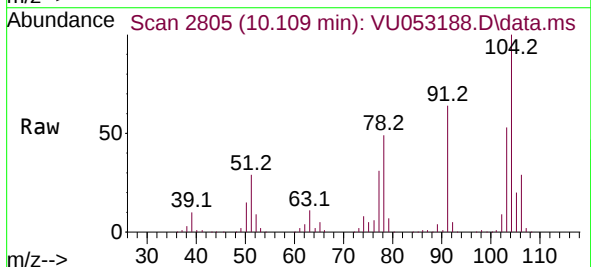
Acq: 02 Mar 2023 15:40

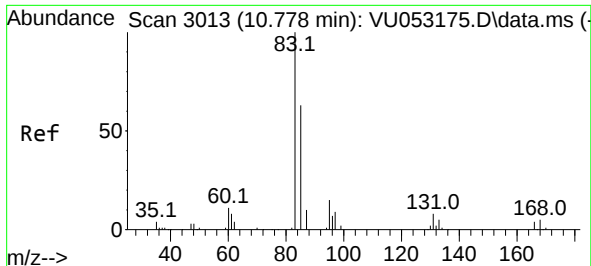
Tgt Ion:104 Resp: 223449

Ion Ratio Lower Upper

104 100

78 48.7 33.6 62.4



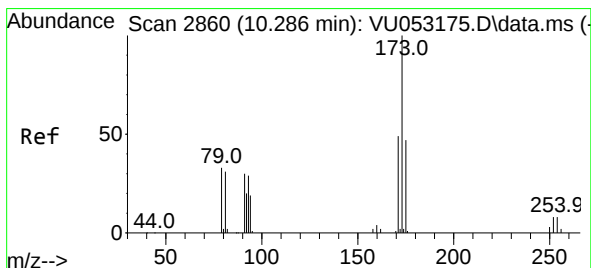
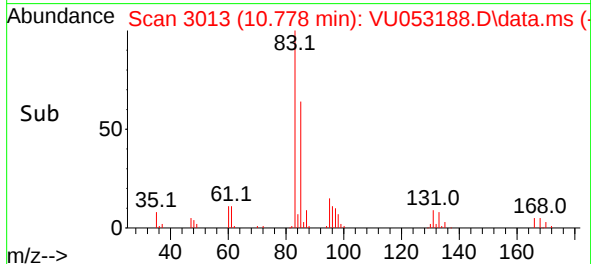
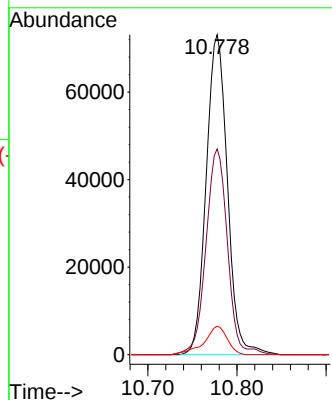
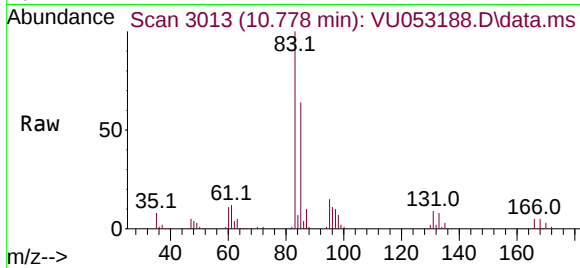


#57
 1,1,2,2-Tetrachloroethane
 Concen: 47.868 ug/L
 RT: 10.778 min Scan# 3013
 Delta R.T. -0.000 min
 Lab File: VU053188.D
 Acq: 02 Mar 2023 15:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050159

Tgt Ion: 83 Resp: 120894

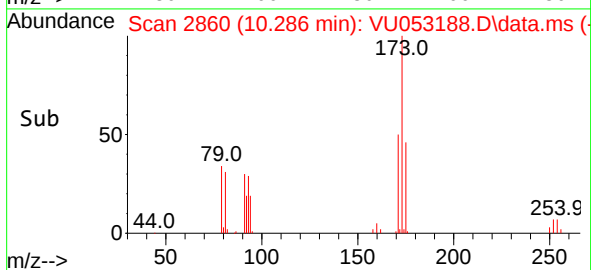
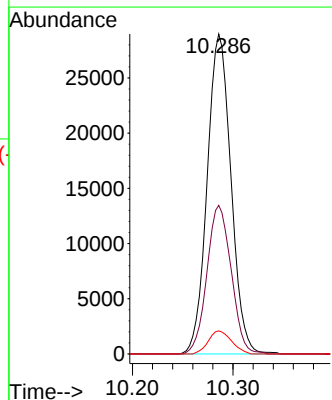
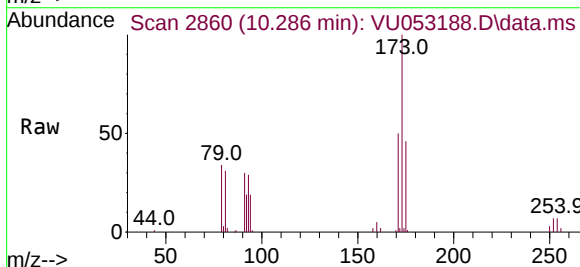
Ion	Ratio	Lower	Upper
83	100		
85	64.3	44.7	82.9
131	8.9	7.2	10.8

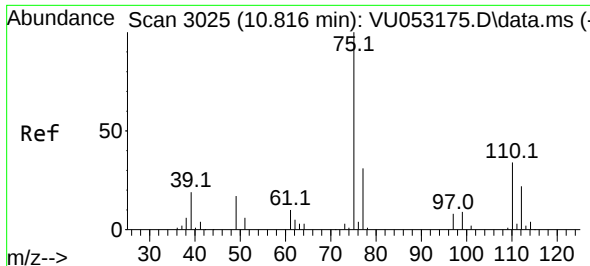


#59
 Bromoform
 Concen: 41.087 ug/L
 RT: 10.286 min Scan# 2860
 Delta R.T. -0.000 min
 Lab File: VU053188.D
 Acq: 02 Mar 2023 15:40

Tgt Ion: 173 Resp: 47666

Ion	Ratio	Lower	Upper
173	100		
175	47.3	38.8	58.2
254	7.0	6.4	9.6

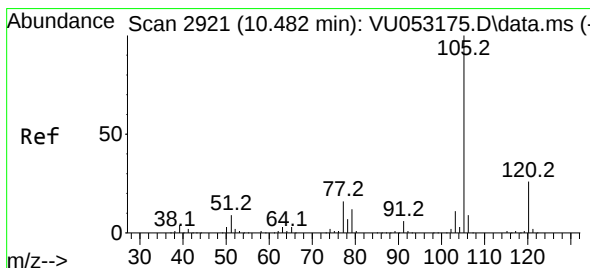
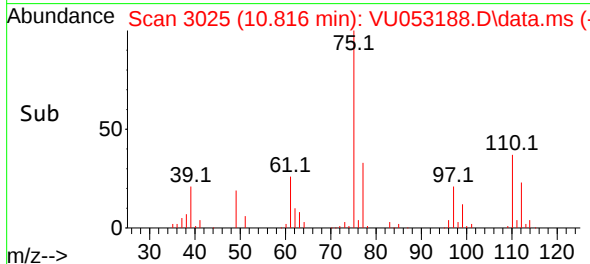
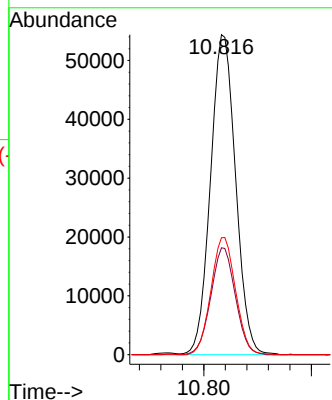
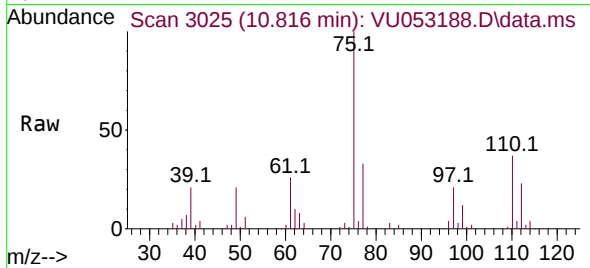




#60
1,2,3-Trichloropropane
Concen: 44.810 ug/L
RT: 10.816 min Scan# 3025
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

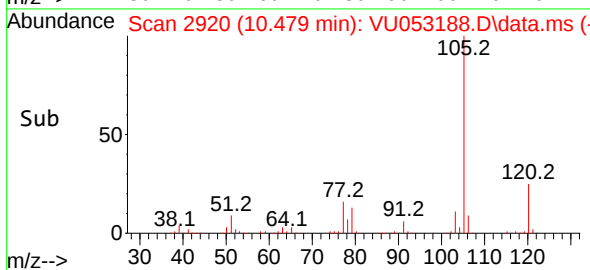
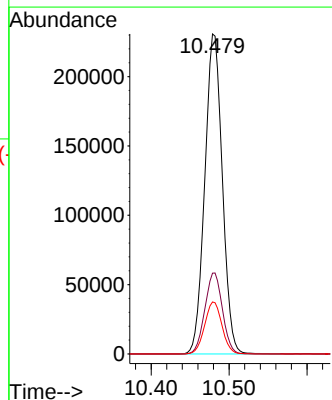
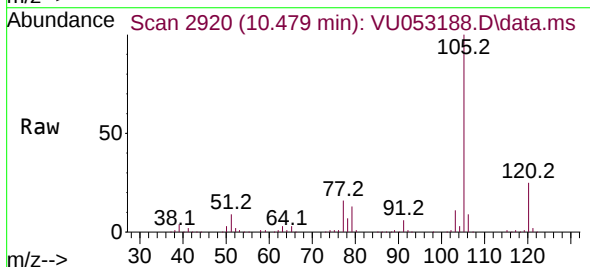
Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

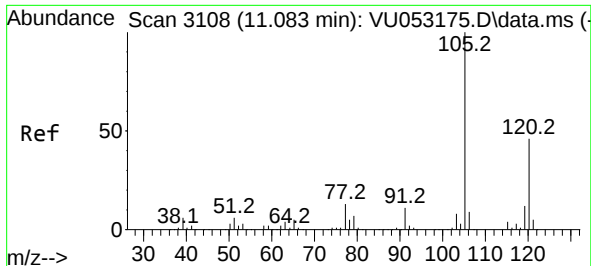
Tgt Ion:	75	Resp:	88146
Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.6	39.8
110	35.9	28.6	42.8



#61
Isopropylbenzene
Concen: 47.940 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. -0.003 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion:	105	Resp:	360718
Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.8	31.2
77	16.0	12.8	19.2

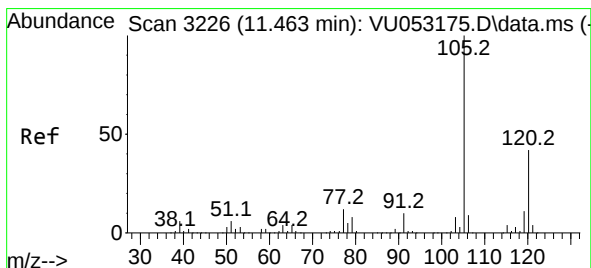
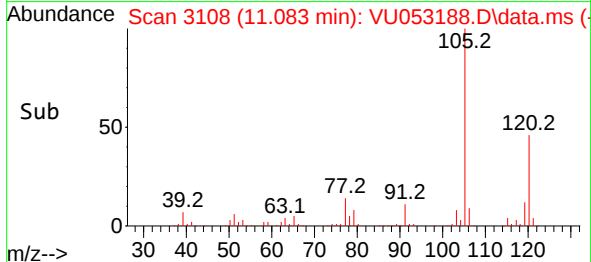
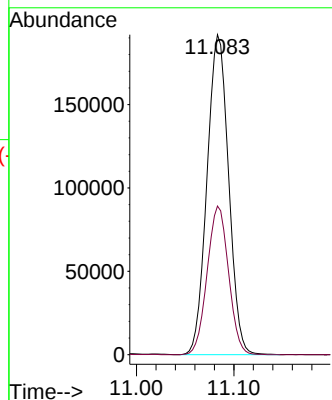
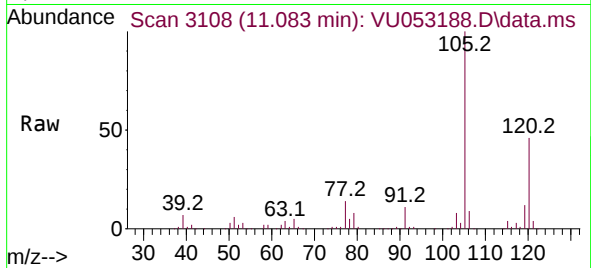




#62
1,3,5-Trimethylbenzene
Concen: 46.329 ug/L
RT: 11.083 min Scan# 3108
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

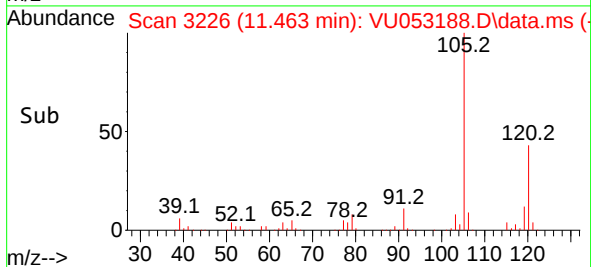
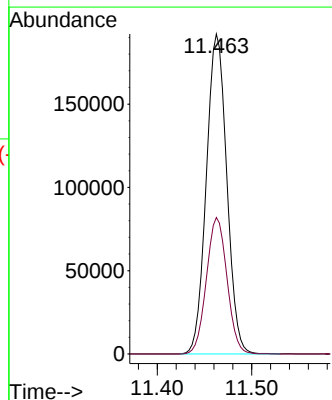
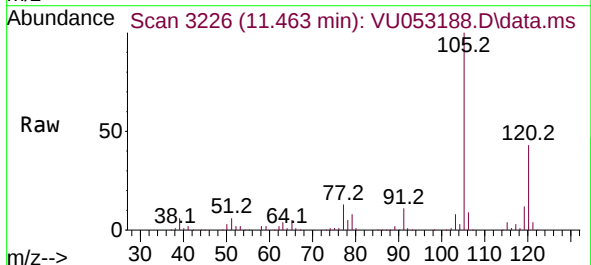
Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

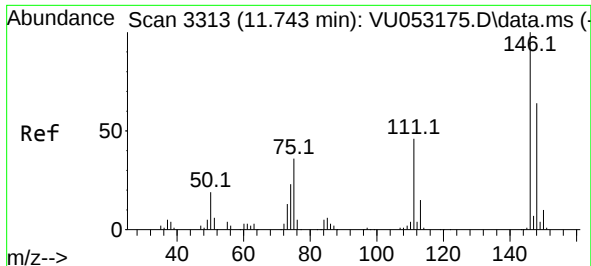
Tgt Ion:105 Resp: 295154
Ion Ratio Lower Upper
105 100
120 46.0 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 46.850 ug/L
RT: 11.463 min Scan# 3226
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion:105 Resp: 288898
Ion Ratio Lower Upper
105 100
120 42.9 35.4 53.2

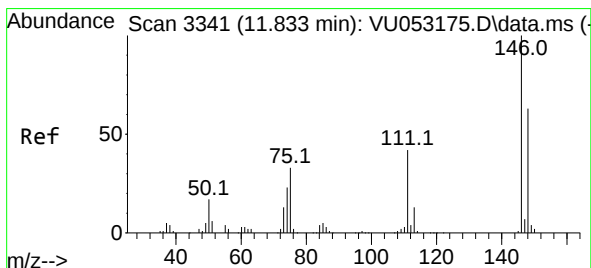
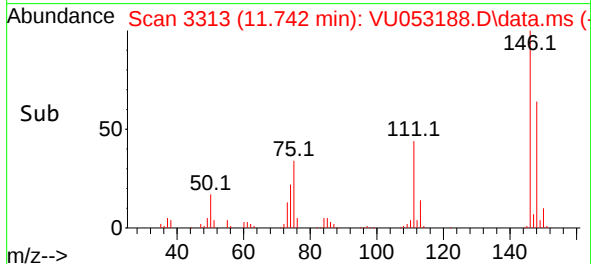
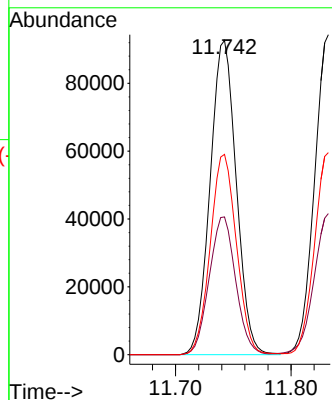
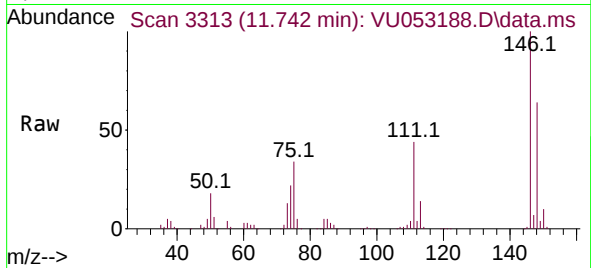




#64
1,3-Dichlorobenzene
Concen: 47.250 ug/L
RT: 11.742 min Scan# 3313
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

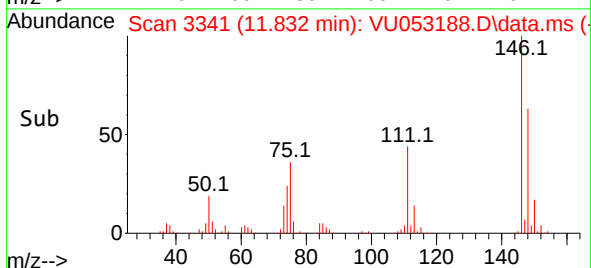
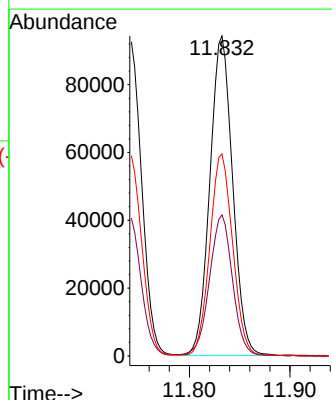
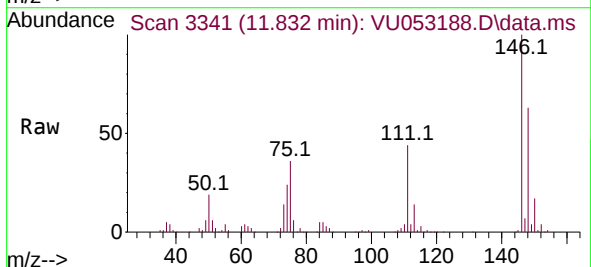
Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

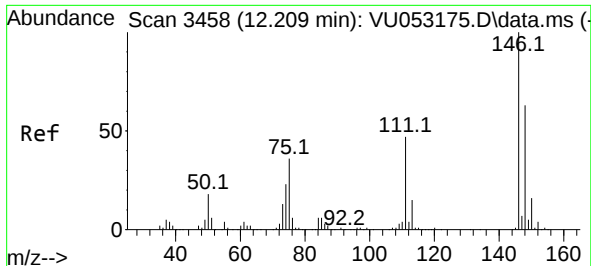
Tgt Ion:146 Resp: 145592
Ion Ratio Lower Upper
146 100
111 43.8 32.1 59.5
148 63.7 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 47.439 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion:146 Resp: 148295
Ion Ratio Lower Upper
146 100
111 44.1 29.9 55.5
148 63.2 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 46.304 ug/L

RT: 12.209 min Scan# 34

Delta R.T. -0.000 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD050159

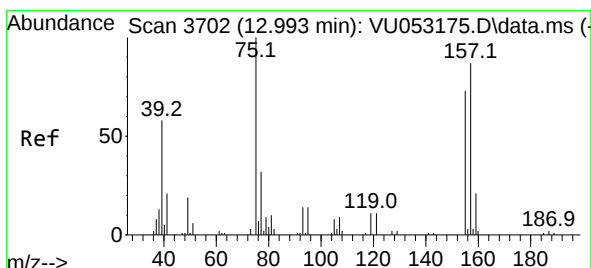
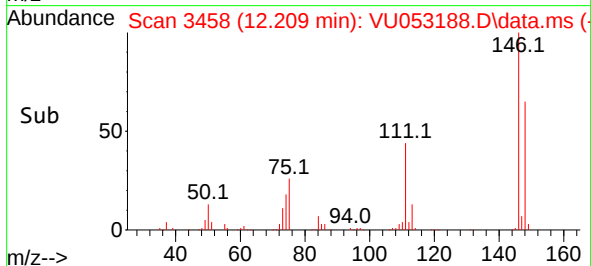
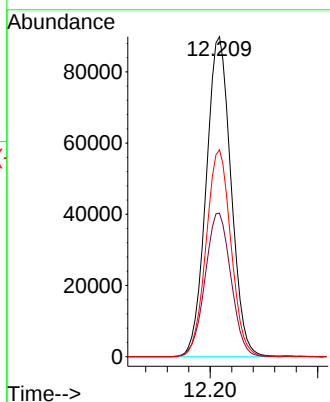
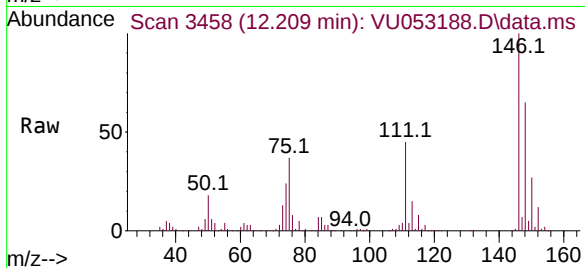
Tgt Ion:146 Resp: 144202

Ion Ratio Lower Upper

146 100

111 44.9 37.8 56.6

148 64.6 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 41.757 ug/L

RT: 12.990 min Scan# 3701

Delta R.T. -0.003 min

Lab File: VU053188.D

Acq: 02 Mar 2023 15:40

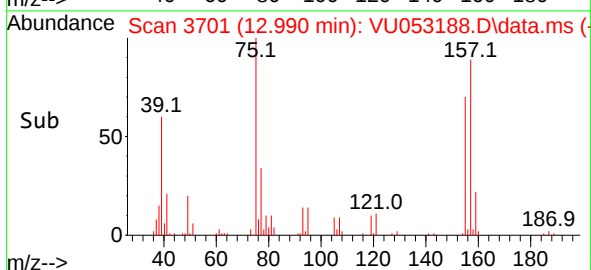
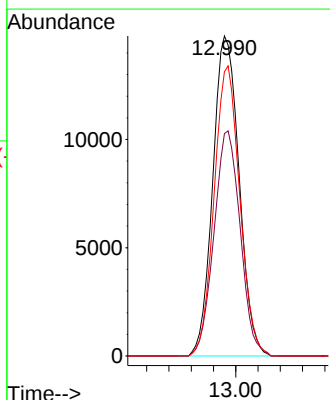
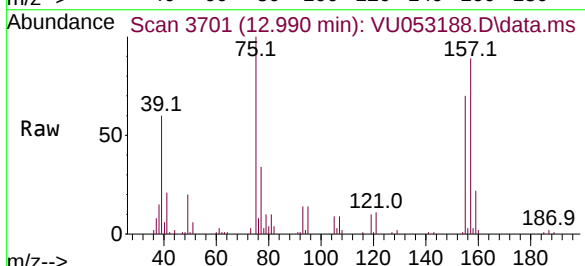
Tgt Ion: 75 Resp: 24214

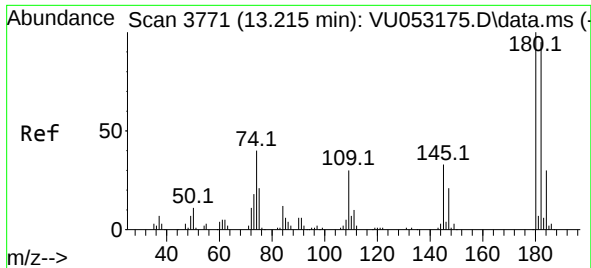
Ion Ratio Lower Upper

75 100

155 69.5 55.8 83.6

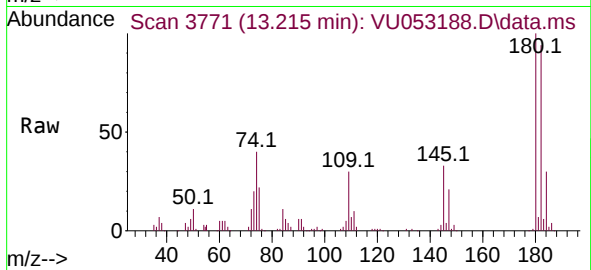
157 88.9 70.7 106.1





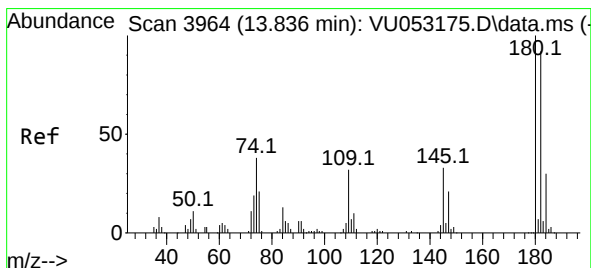
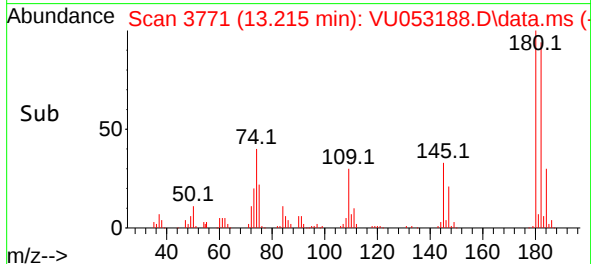
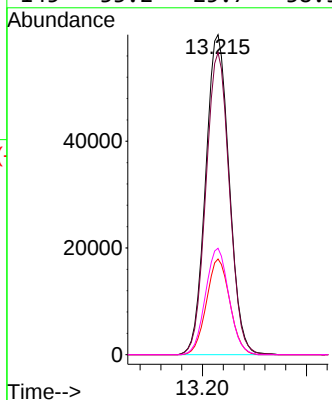
#69
 1,3,5-Trichlorobenzene
 Concen: 45.234 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. -0.000 min
 Lab File: VU053188.D
 Acq: 02 Mar 2023 15:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050159



Tgt Ion:180 Resp: 94486

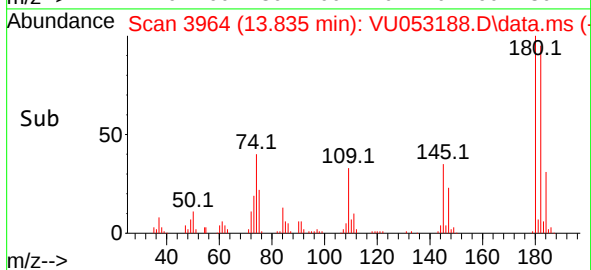
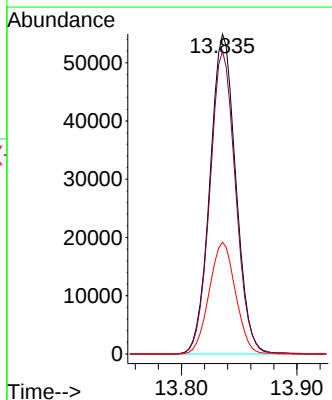
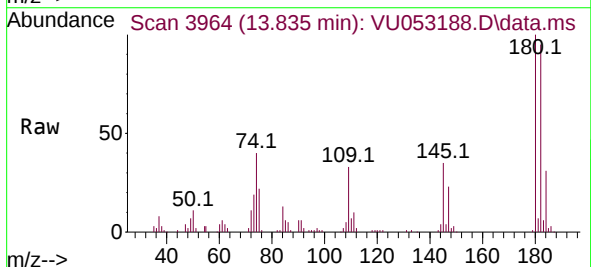
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.9	115.3
184	29.6	23.7	35.5
145	33.2	25.7	38.5

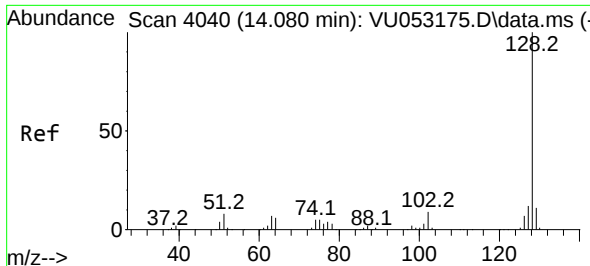


#70
 1,2,4-trichlorobenzene
 Concen: 43.094 ug/L
 RT: 13.835 min Scan# 3964
 Delta R.T. -0.000 min
 Lab File: VU053188.D
 Acq: 02 Mar 2023 15:40

Tgt Ion:180 Resp: 85192

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.4	114.6
145	35.6	26.8	40.2

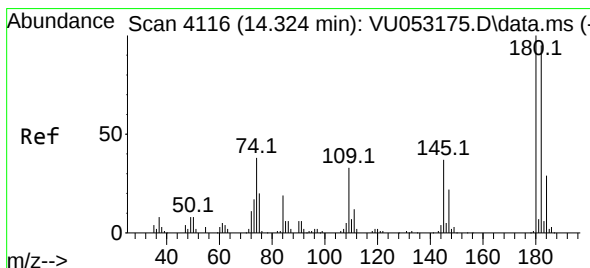
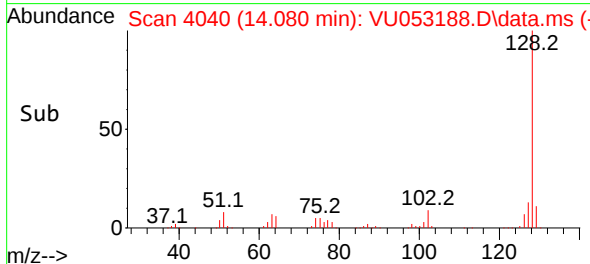
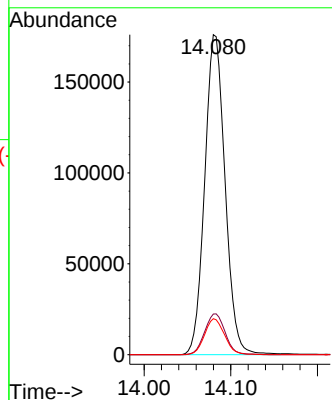
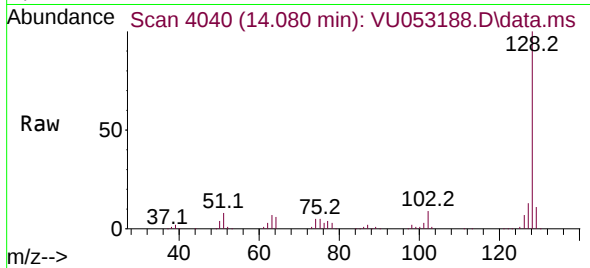




#71
Naphthalene
Concen: 37.906 ug/L
RT: 14.080 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD050159

Tgt Ion:128 Resp: 287705
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 11.0 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 41.179 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. -0.000 min
Lab File: VU053188.D
Acq: 02 Mar 2023 15:40

Tgt Ion:180 Resp: 81740
Ion Ratio Lower Upper
180 100
182 93.1 75.4 113.2
145 36.5 28.2 42.2

