

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030223\
 Data File : VU053175.D
 Acq On : 02 Mar 2023 09:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050158

Quant Time: Mar 03 01:41:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 17 11:12:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	191897	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	182797	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	94281	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	75078	42.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.180%
7) Chloroethane-d5	1.913	69	66202	44.372	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.740%
11) 1,1-Dichloroethene-d2	2.569	63	141186	46.693	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.380%
21) 2-Butanone-d5	4.624	46	86941	94.367	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.370%
24) Chloroform-d	5.061	84	154566	49.704	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.698	65	95065	48.072	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.140%
32) Benzene-d6	5.723	84	310886	47.674	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.340%
36) 1,2-Dichloropropane-d6	6.688	67	103168	48.428	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.860%
41) Toluene-d8	7.894	98	291452	48.269	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.540%
43) trans-1,3-Dichloroprop...	8.177	79	49786	45.886	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.780%
47) 2-Hexanone-d5	8.627	63	64503	87.651	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.650%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	134992	47.610	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.220%
66) 1,2-Dichlorobenzene-d4	12.189	152	98278	46.889	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	104349	53.143	ug/L	99
3) Chloromethane	1.521	50	91442	47.775	ug/L	99
5) Vinyl chloride	1.605	62	100085	48.788	ug/L	100
6) Bromomethane	1.859	94	59459	45.596	ug/L	100
8) Chloroethane	1.936	64	57250	45.848	ug/L	99
9) Trichlorofluoromethane	2.138	101	125252	46.957	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.582	101	76178	51.082	ug/L	98
12) 1,1-Dichloroethene	2.582	96	67674	47.955	ug/L	99
13) Acetone	2.637	43	78837	135.264	ug/L	99
14) Carbon disulfide	2.794	76	213244	46.623	ug/L	99
15) Methyl Acetate	2.949	43	59823	47.625	ug/L	96
16) Methylene chloride	3.045	84	78117	48.155	ug/L	96
17) trans-1,2-Dichloroethene	3.351	96	70794	49.386	ug/L	98
18) Methyl tert-butyl Ether	3.360	73	235804	48.950	ug/L	99
19) 1,1-Dichloroethane	3.868	63	141449	50.298	ug/L	99
20) cis-1,2-Dichloroethene	4.666	96	82370	49.341	ug/L	99
22) 2-Butanone	4.701	43	93789	105.902	ug/L	99
23) Bromochloromethane	4.971	128	37861	48.314	ug/L	92
25) Chloroform	5.084	83	142987	49.894	ug/L	99

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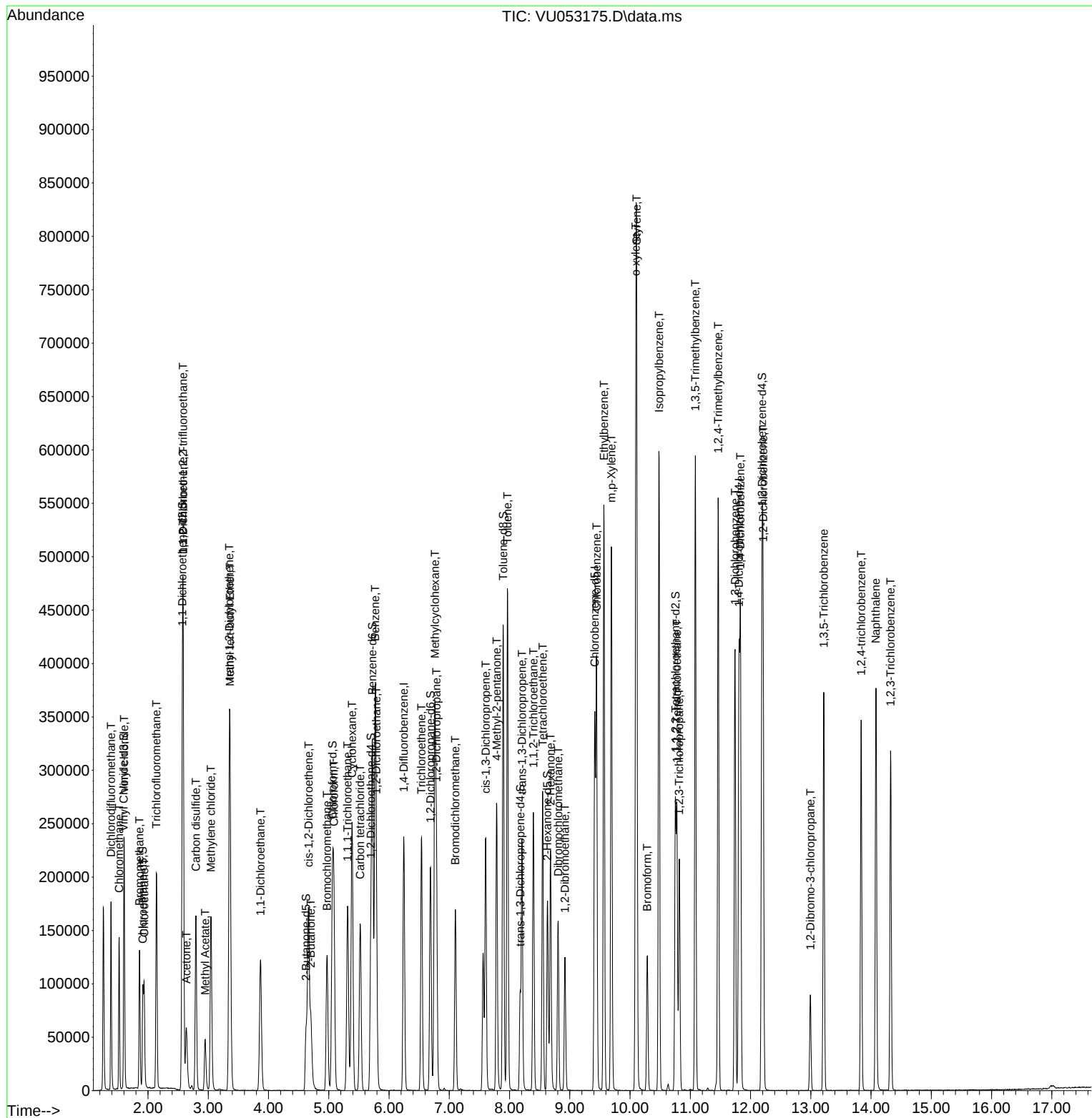
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	110711	49.774	ug/L	99
29) Cyclohexane	5.386	56	137700	50.977	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	123608	48.395	ug/L	99
31) Carbon tetrachloride	5.521	117	100913	46.496	ug/L	99
33) Benzene	5.772	78	320977	49.918	ug/L	100
34) Trichloroethene	6.537	95	83212	49.872	ug/L	93
35) Methylcyclohexane	6.762	83	148994	51.557	ug/L	99
37) 1,2-Dichloropropane	6.788	63	88504	49.913	ug/L	100
38) Bromodichloromethane	7.100	83	110363	49.483	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	143089	49.143	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	167227	88.561	ug/L	99
42) Toluene	7.965	91	342450	50.068	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	132548	49.146	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	79727	49.581	ug/L	99
46) Tetrachloroethene	8.550	164	53132	48.071	ug/L	99
48) 2-Hexanone	8.682	43	137871	92.533	ug/L	99
49) Dibromochloromethane	8.807	129	79680	47.974	ug/L	99
50) 1,2-Dibromoethane	8.919	107	82520	48.312	ug/L	95
51) Chlorobenzene	9.444	112	210548	49.691	ug/L	99
52) Ethylbenzene	9.566	91	390275	51.163	ug/L	100
53) m,p-Xylene	9.691	106	145926	50.874	ug/L	96
54) o-xylene	10.096	106	142438	50.088	ug/L	99
55) Styrene	10.109	104	240211	50.927	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	124228	47.627	ug/L	100
59) Bromoform	10.286	173	52123	44.914	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	92211	46.860	ug/L	98
61) Isopropylbenzene	10.482	105	386283	51.321	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	319417	50.121	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	309990	50.253	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	155942	50.592	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	159523	51.013	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	154468	49.583	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.993	75	24835	42.814	ug/L	97
69) 1,3,5-Trichlorobenzene	13.215	180	101430	48.542	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	92344	46.696	ug/L	99
71) Naphthalene	14.080	128	297670	39.205	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	86346	43.485	ug/L	98

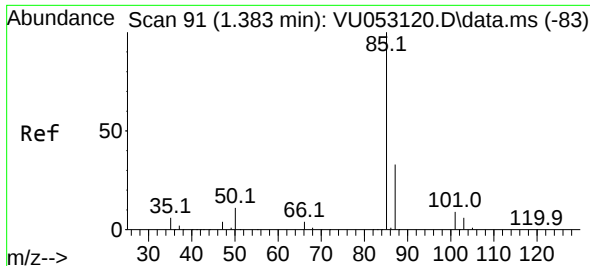
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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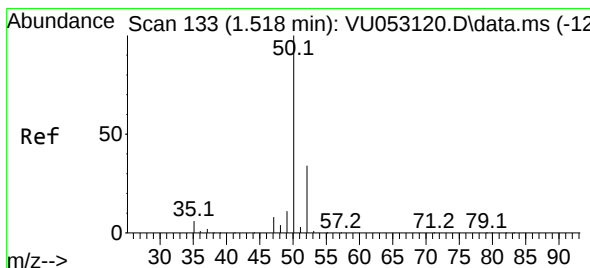
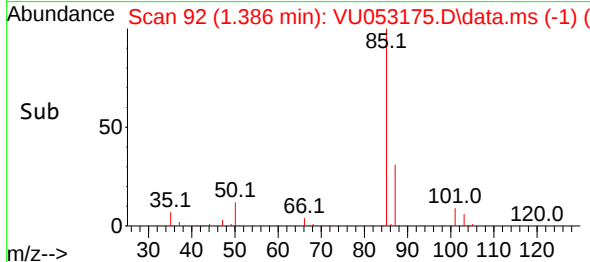
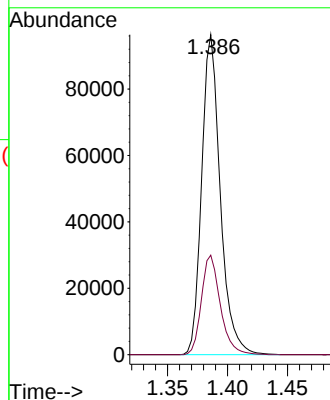
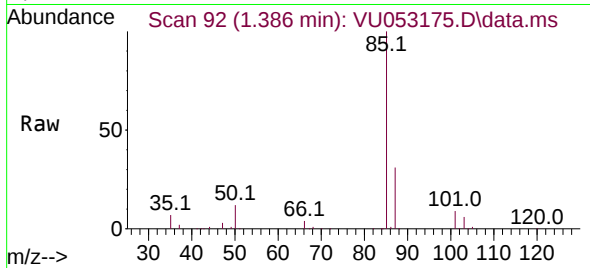




#2
Dichlorodifluoromethane
Concen: 53.143 ug/L
RT: 1.386 min Scan# 91
Delta R.T. 0.003 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

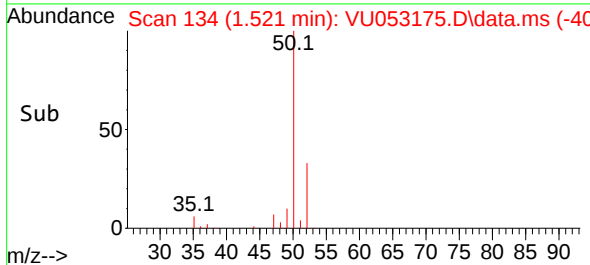
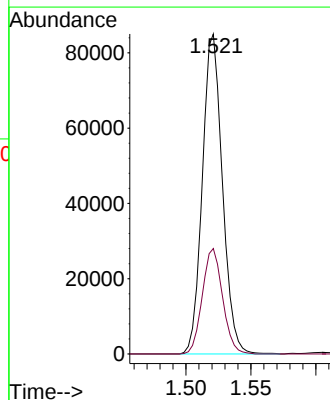
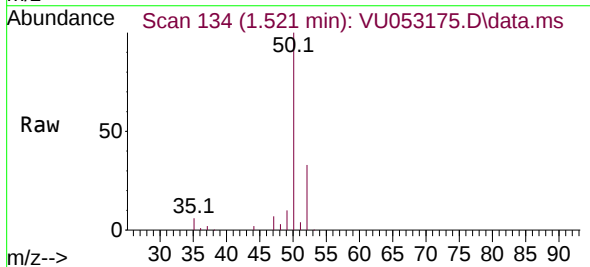
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

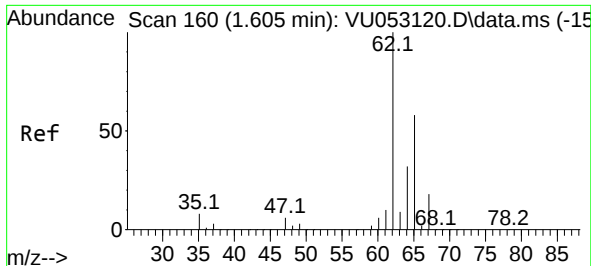
Tgt Ion: 85 Resp: 104349
Ion Ratio Lower Upper
85 100
87 31.6 25.6 38.4



#3
Chloromethane
Concen: 47.775 ug/L
RT: 1.521 min Scan# 134
Delta R.T. 0.003 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion: 50 Resp: 91442
Ion Ratio Lower Upper
50 100
52 33.0 22.8 42.4

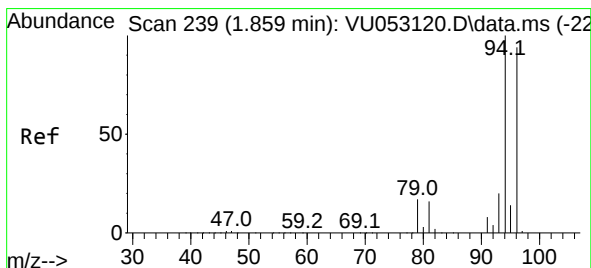
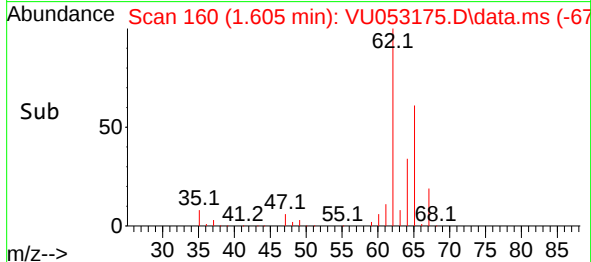
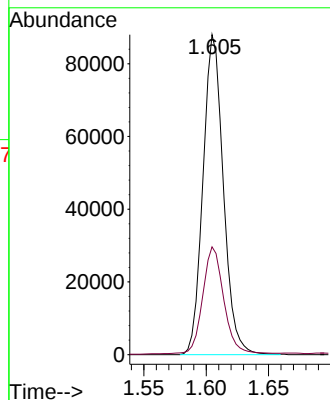
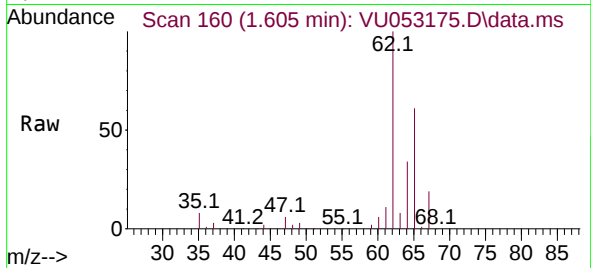




#5
 Vinyl chloride
 Concen: 48.788 ug/L
 RT: 1.605 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VU053175.D
 Acq: 02 Mar 2023 09:38

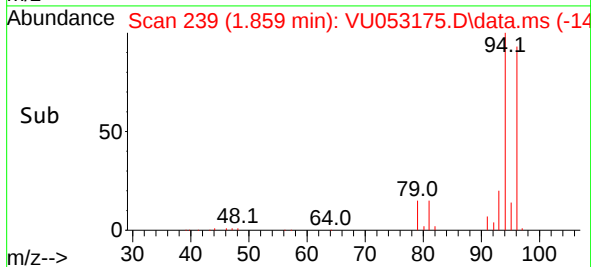
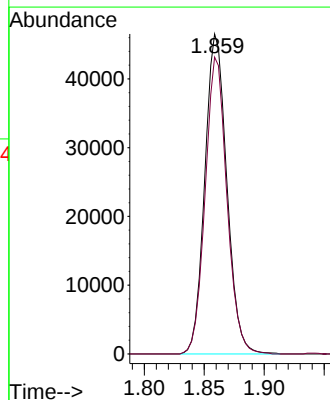
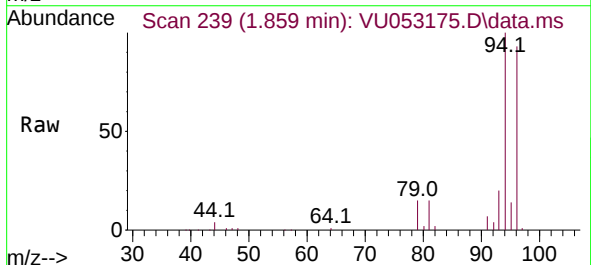
Instrument :
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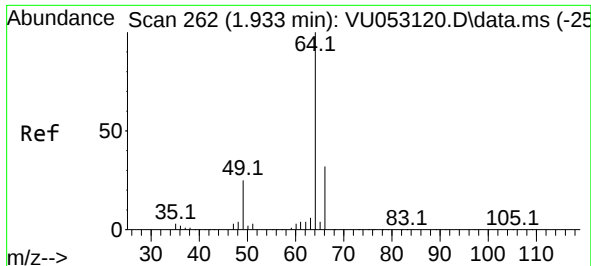
Tgt Ion: 62 Resp: 100085
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.4 43.6



#6
 Bromomethane
 Concen: 45.596 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. 0.000 min
 Lab File: VU053175.D
 Acq: 02 Mar 2023 09:38

Tgt Ion: 94 Resp: 59459
 Ion Ratio Lower Upper
 94 100
 96 92.8 65.0 120.8

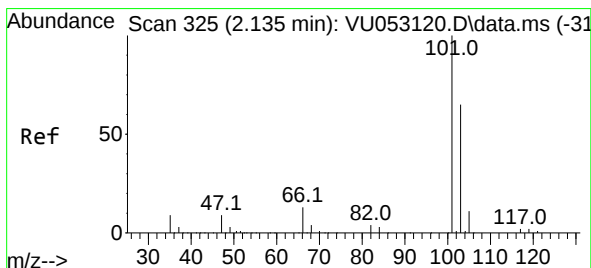
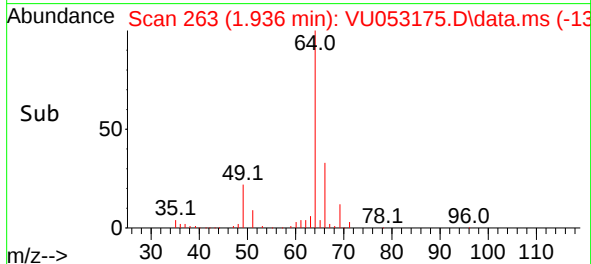
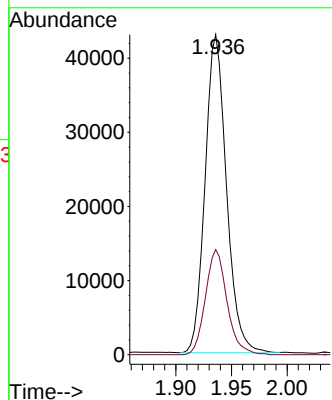
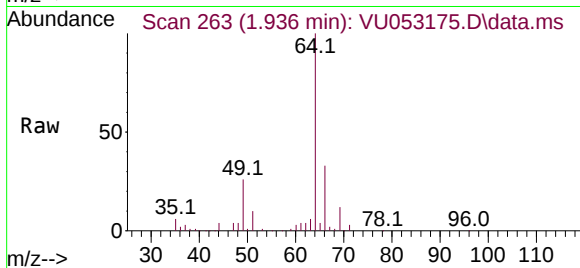




#8
Chloroethane
Concen: 45.848 ug/L
RT: 1.936 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

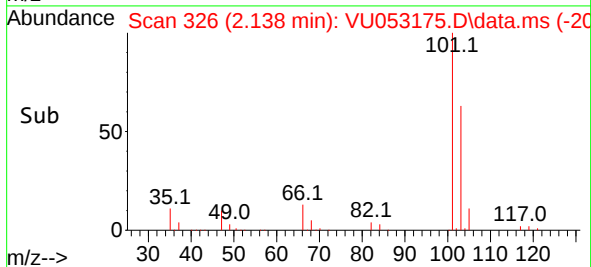
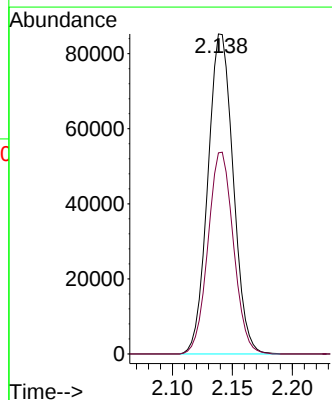
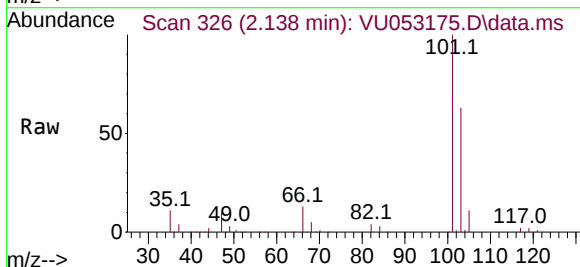
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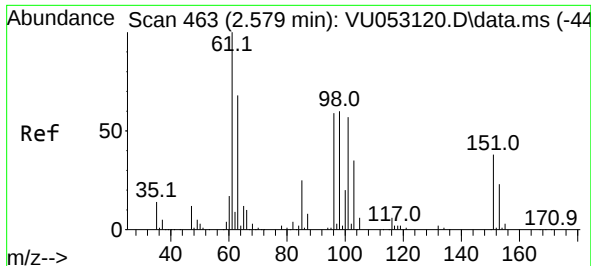
Tgt Ion: 64 Resp: 57250
Ion Ratio Lower Upper
64 100
66 32.8 22.4 41.6



#9
Trichlorofluoromethane
Concen: 46.957 ug/L
RT: 2.138 min Scan# 326
Delta R.T. 0.003 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion: 101 Resp: 125252
Ion Ratio Lower Upper
101 100
103 63.3 51.4 77.0

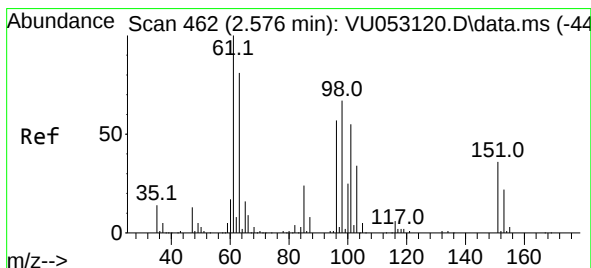
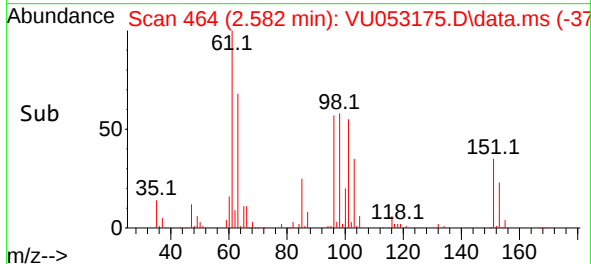
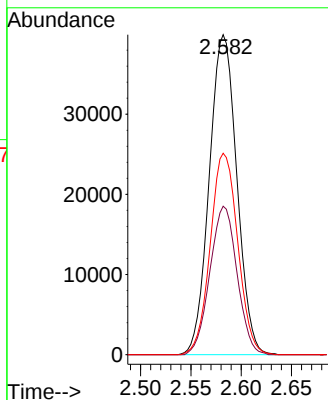
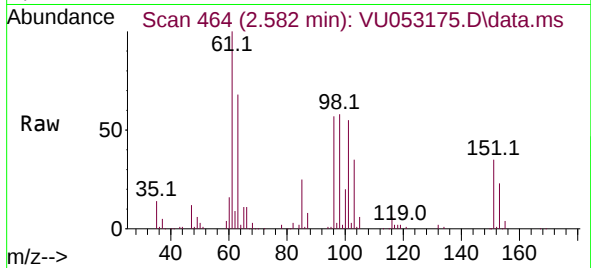




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 51.082 ug/L
RT: 2.582 min Scan# 464
Delta R.T. 0.003 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

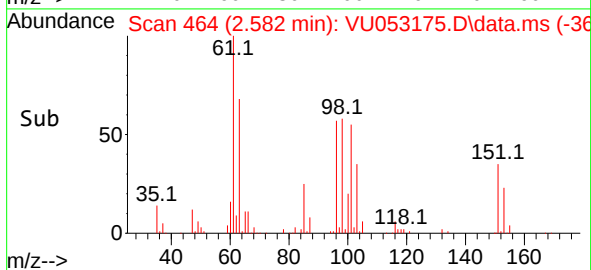
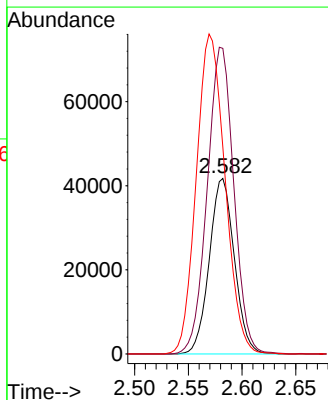
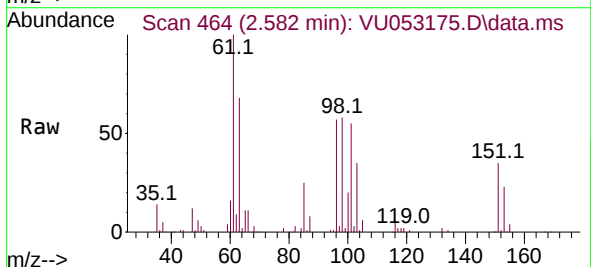
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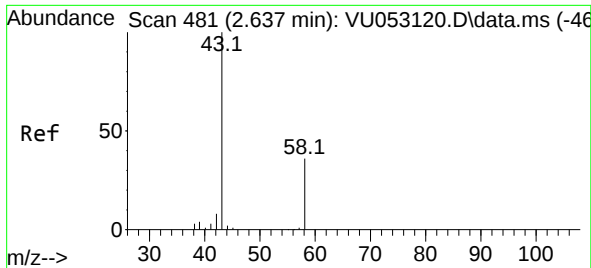
Tgt Ion:101 Resp: 76178
Ion Ratio Lower Upper
101 100
85 45.6 36.6 54.8
151 62.9 52.6 79.0



#12
1,1-Dichloroethene
Concen: 47.955 ug/L
RT: 2.582 min Scan# 464
Delta R.T. 0.006 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion: 96 Resp: 67674
Ion Ratio Lower Upper
96 100
61 174.0 121.9 226.3
63 117.8 84.2 156.4





#13

Acetone

Concen: 135.264 ug/L

RT: 2.637 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

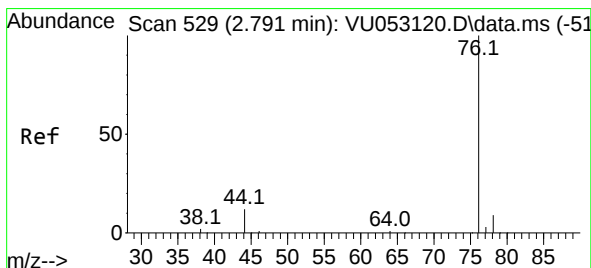
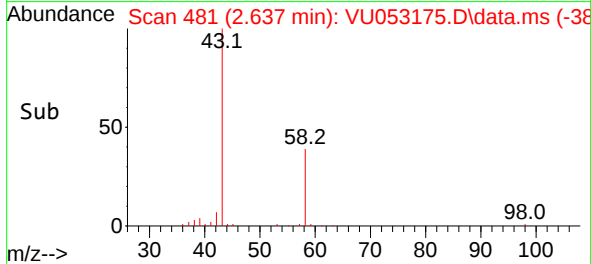
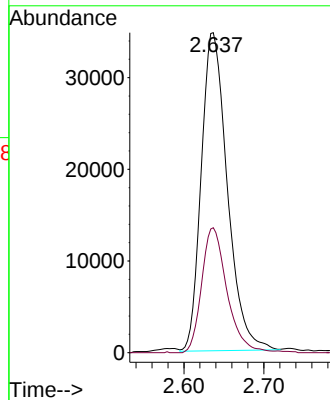
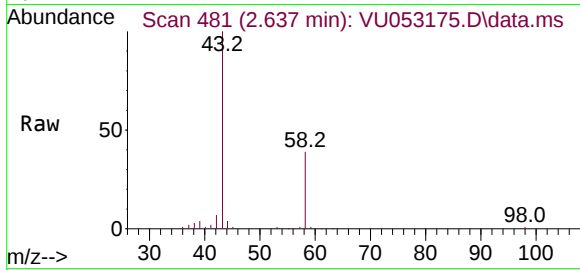
VSTD050158

Tgt Ion: 43 Resp: 78837

Ion Ratio Lower Upper

43 100

58 38.0 0.0 74.6



#14

Carbon disulfide

Concen: 46.623 ug/L

RT: 2.794 min Scan# 530

Delta R.T. 0.003 min

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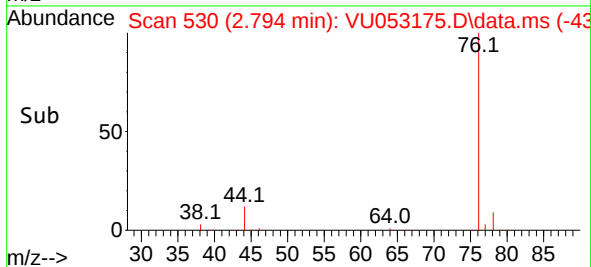
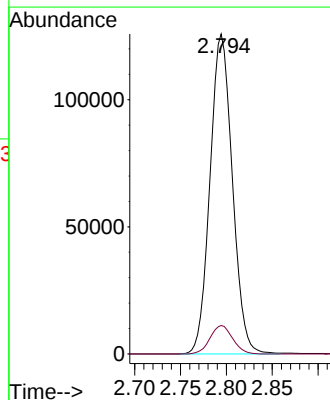
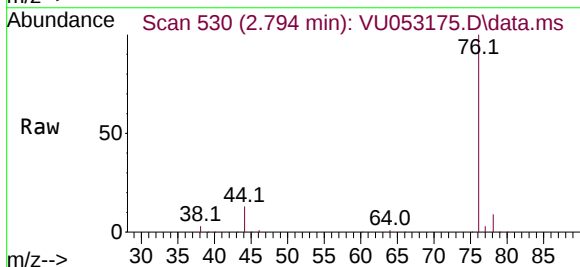
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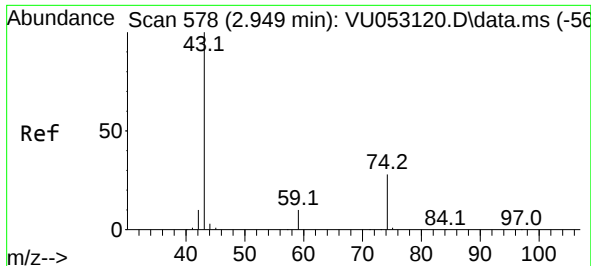
Tgt Ion: 76 Resp: 213244

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

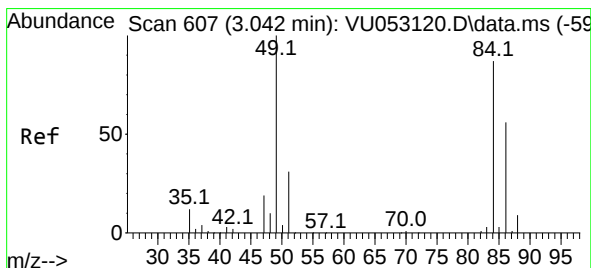
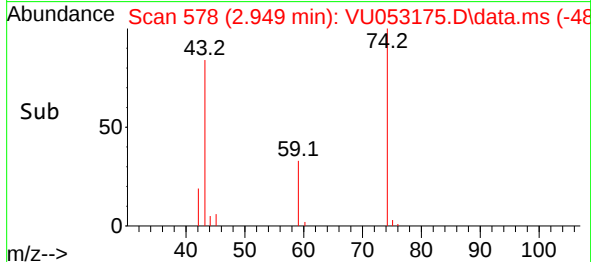
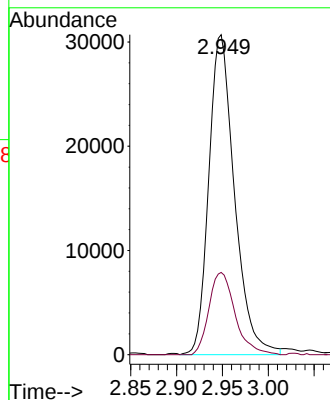
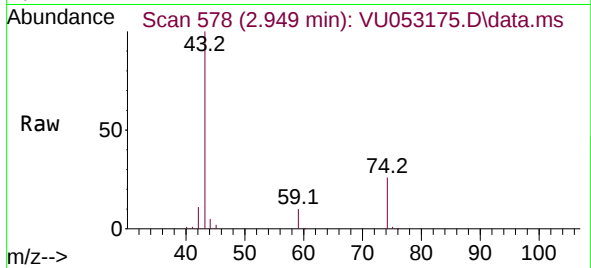




#15
Methyl Acetate
Concen: 47.625 ug/L
RT: 2.949 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

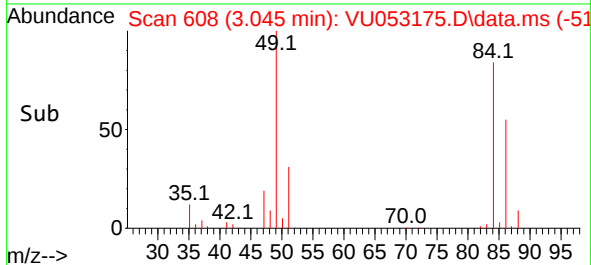
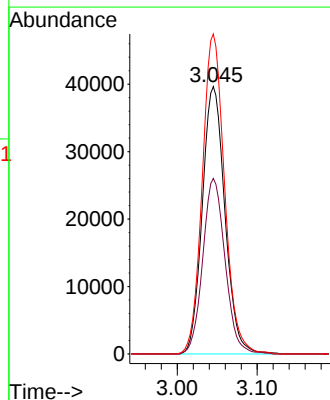
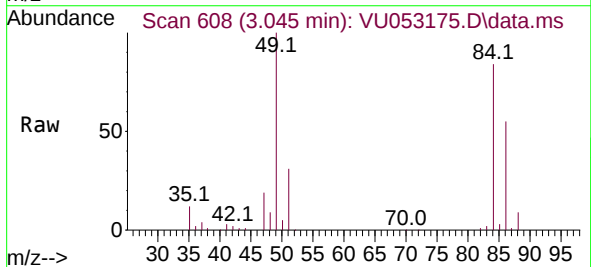
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

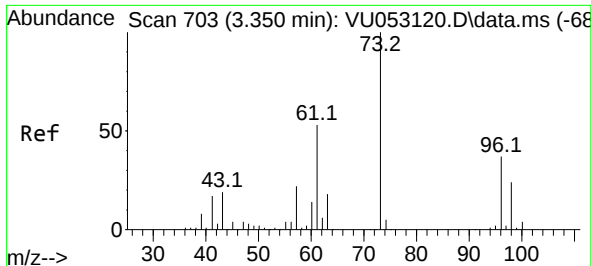
Tgt Ion: 43 Resp: 59823
Ion Ratio Lower Upper
43 100
74 26.2 22.7 34.1



#16
Methylene chloride
Concen: 48.155 ug/L
RT: 3.045 min Scan# 608
Delta R.T. 0.003 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion: 84 Resp: 78117
Ion Ratio Lower Upper
84 100
86 65.6 46.2 85.8
49 119.7 78.8 146.3





#17

trans-1,2-Dichloroethene

Concen: 49.386 ug/L

RT: 3.351 min Scan# 703

Delta R.T. 0.000 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050158

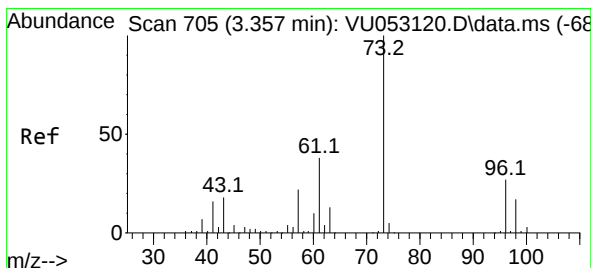
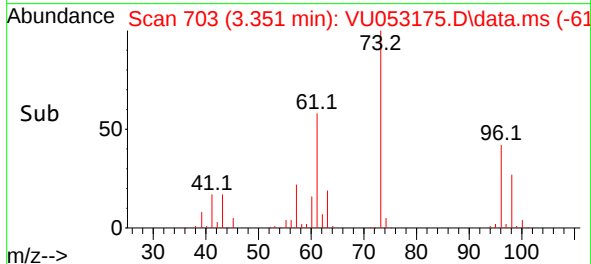
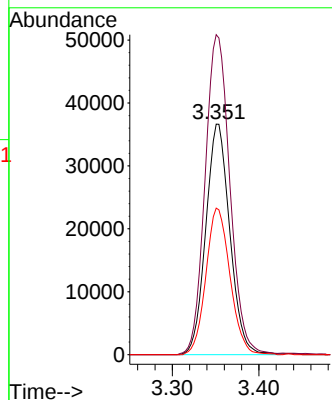
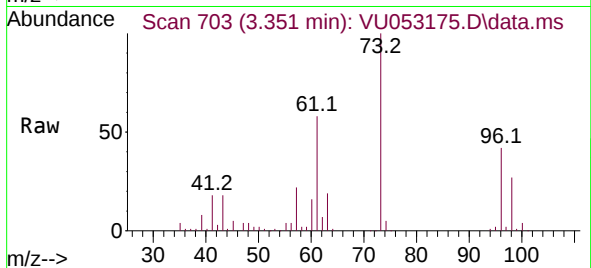
Tgt Ion: 96 Resp: 70794

Ion Ratio Lower Upper

96 100

61 138.8 99.2 184.2

98 63.6 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 48.950 ug/L

RT: 3.360 min Scan# 706

Delta R.T. 0.003 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

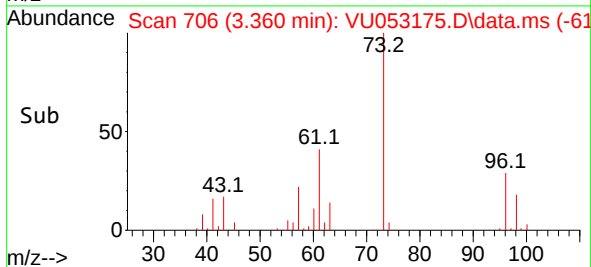
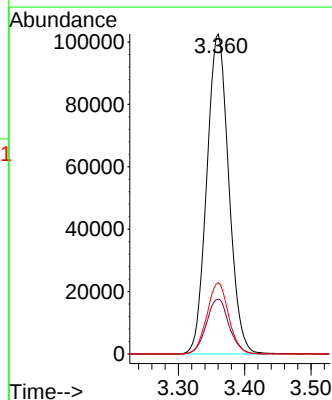
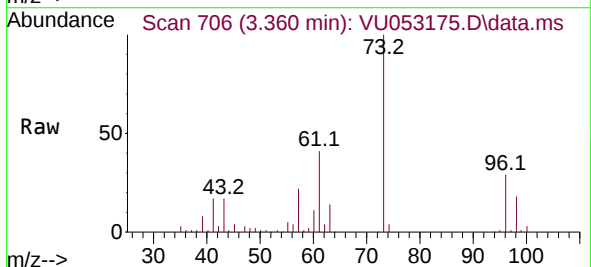
Tgt Ion: 73 Resp: 235804

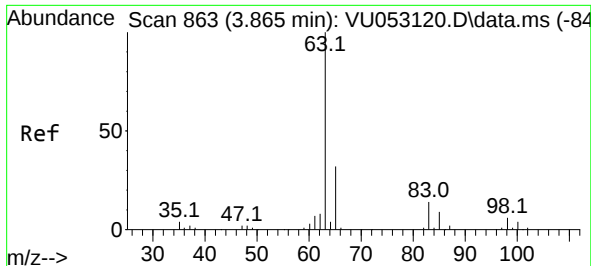
Ion Ratio Lower Upper

73 100

43 17.7 14.1 21.1

57 22.1 17.4 26.0





#19

1,1-Dichloroethane

Concen: 50.298 ug/L

RT: 3.868 min Scan# 864

Delta R.T. 0.003 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050158

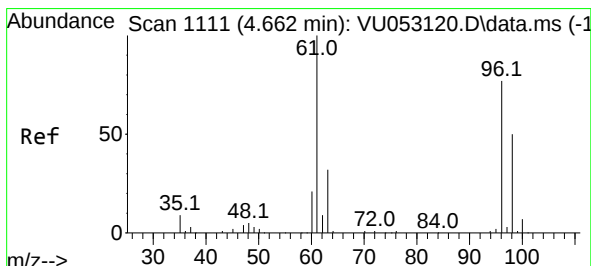
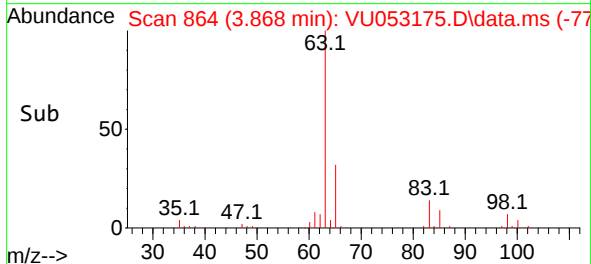
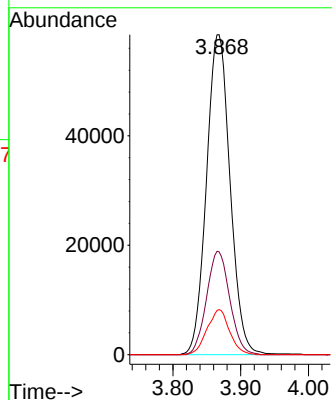
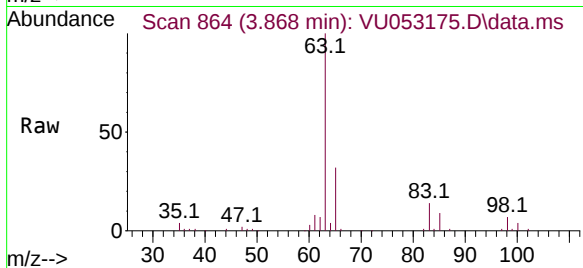
Tgt Ion: 63 Resp: 141449

Ion Ratio Lower Upper

63 100

65 32.2 22.4 41.6

83 14.1 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 49.341 ug/L

RT: 4.666 min Scan# 1112

Delta R.T. 0.003 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

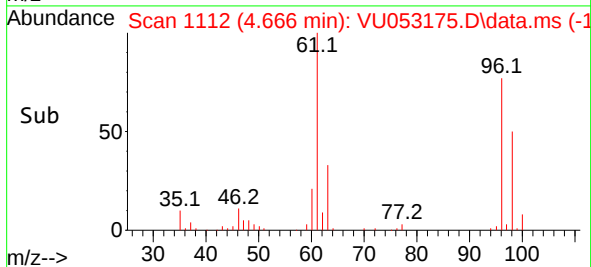
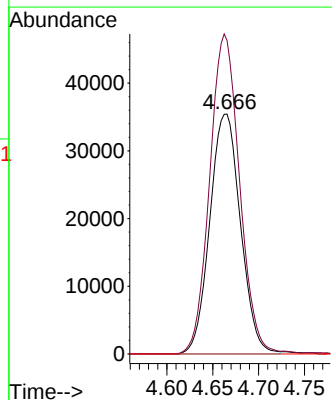
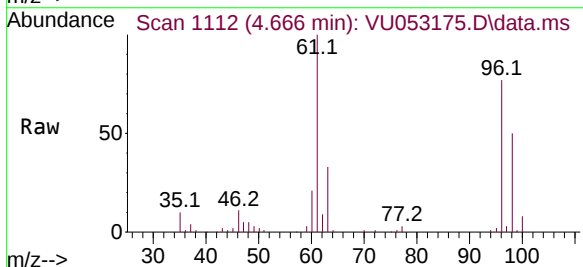
Tgt Ion: 96 Resp: 82370

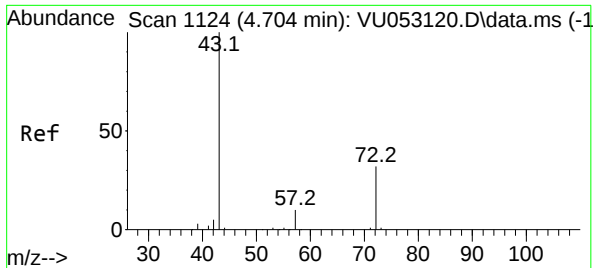
Ion Ratio Lower Upper

96 100

61 130.6 91.9 170.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 105.902 ug/L

RT: 4.701 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

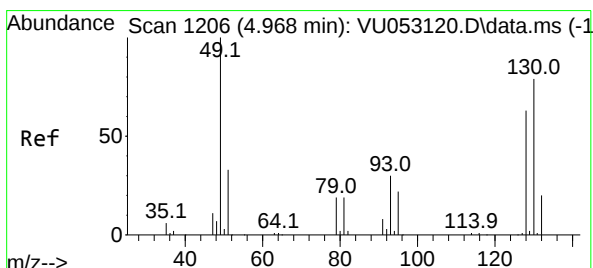
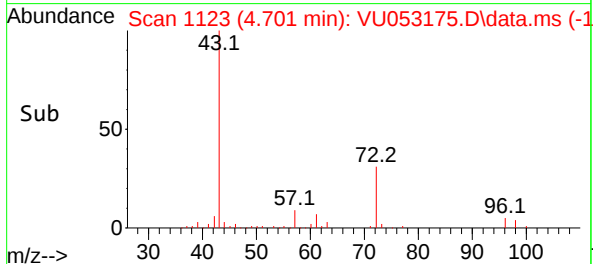
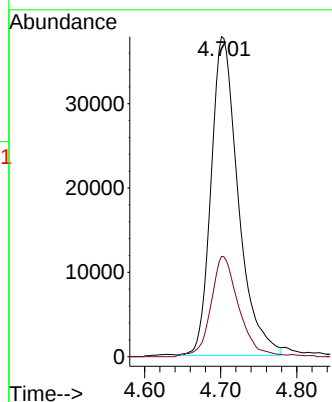
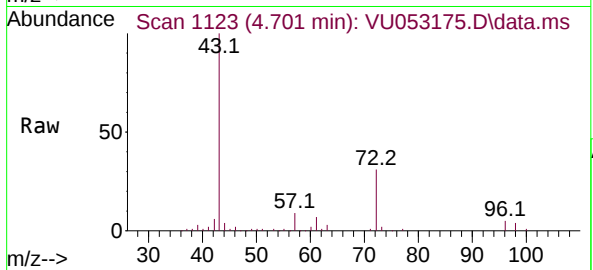
VSTD050158

Tgt Ion: 43 Resp: 93789

Ion Ratio Lower Upper

43 100

72 32.3 16.6 49.7



#23

Bromochloromethane

Concen: 48.314 ug/L

RT: 4.971 min Scan# 1207

Delta R.T. 0.003 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

Tgt Ion:128 Resp: 37861

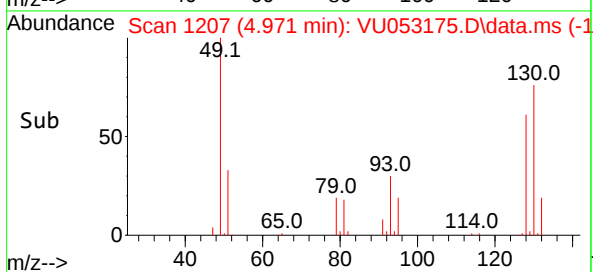
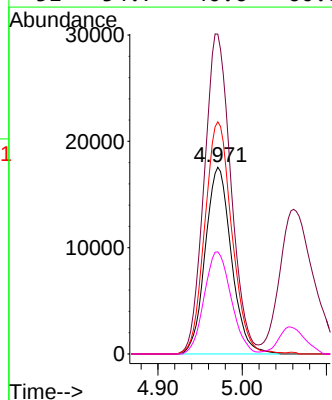
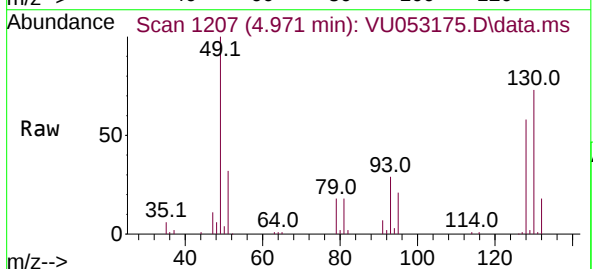
Ion Ratio Lower Upper

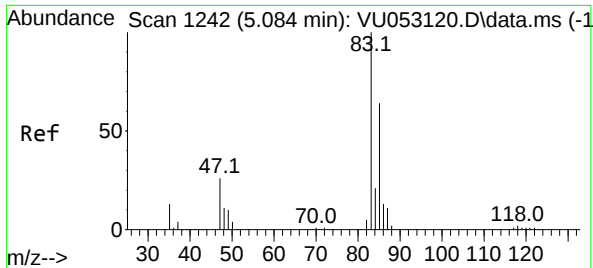
128 100

49 171.3 107.6 199.8

130 124.4 87.9 163.3

51 54.7 40.6 60.8

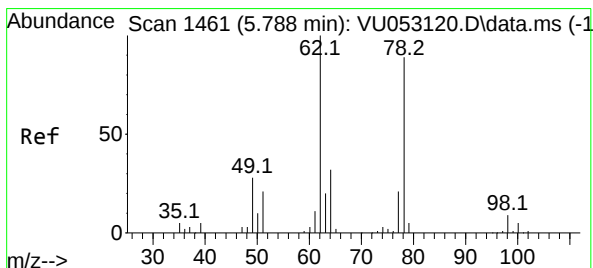
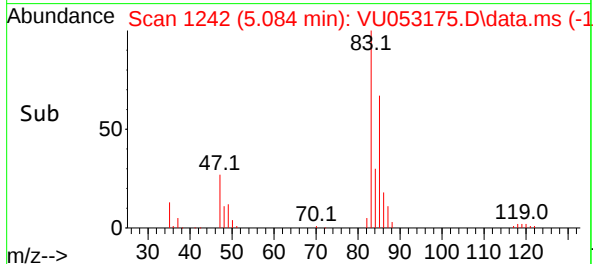
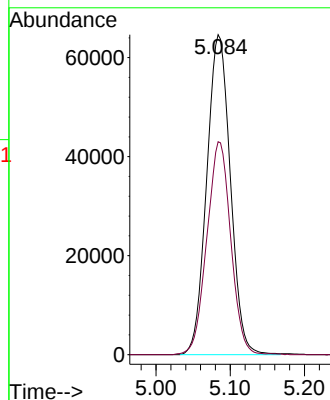
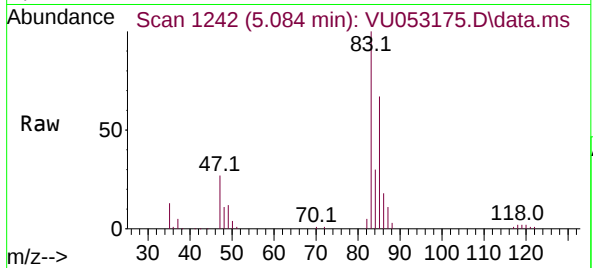




#25
Chloroform
Concen: 49.894 ug/L
RT: 5.084 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

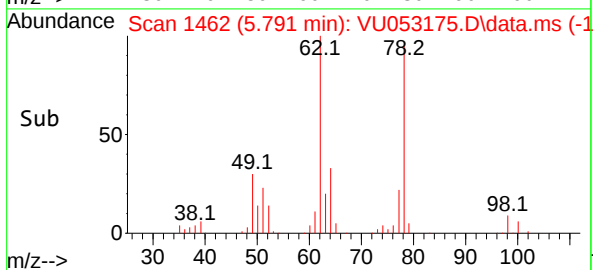
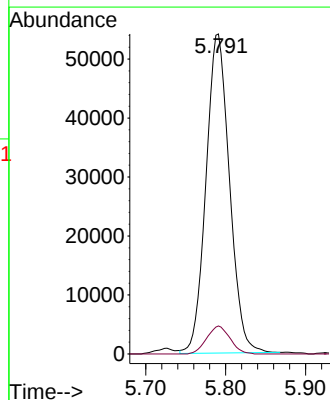
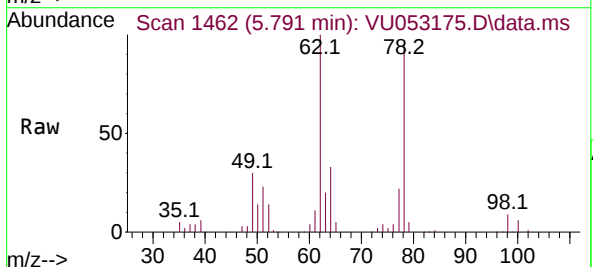
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

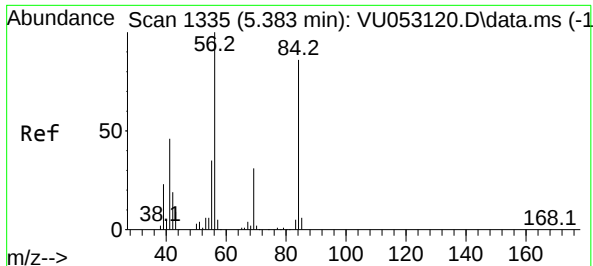
Tgt Ion: 83 Resp: 142987
Ion Ratio Lower Upper
83 100
85 66.5 45.8 85.0



#27
1,2-Dichloroethane
Concen: 49.774 ug/L
RT: 5.791 min Scan# 1462
Delta R.T. 0.003 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion: 62 Resp: 110711
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8





#29

Cyclohexane

Concen: 50.977 ug/L

RT: 5.386 min Scan# 1335

Delta R.T. 0.003 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050158

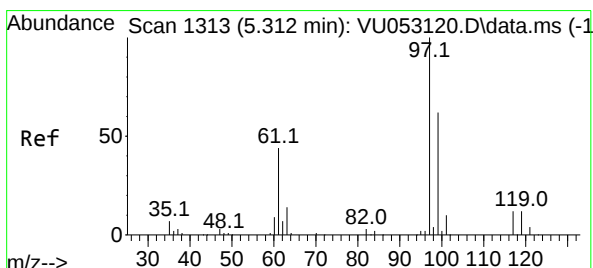
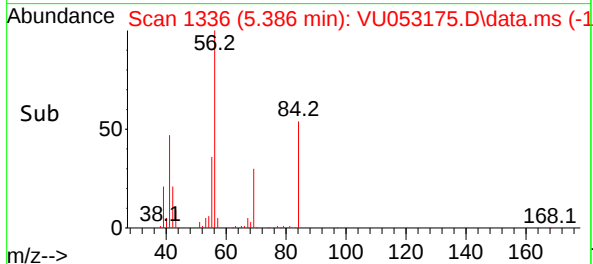
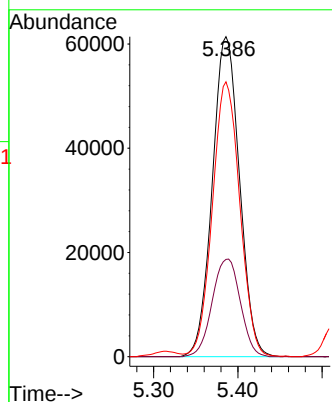
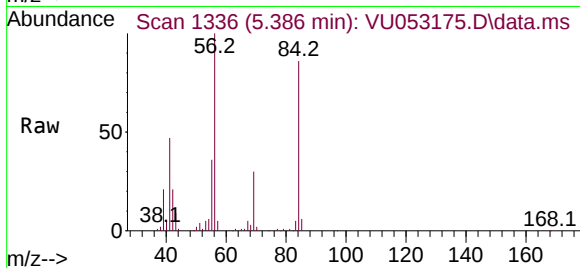
Tgt Ion: 56 Resp: 137700

Ion Ratio Lower Upper

56 100

69 31.5 25.9 38.9

84 86.3 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 48.395 ug/L

RT: 5.312 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

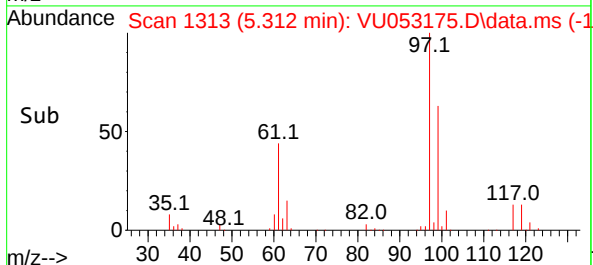
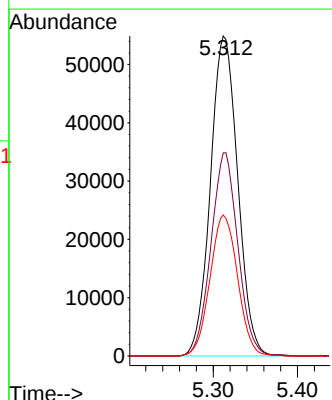
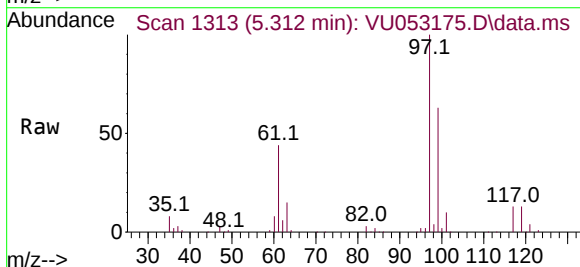
Tgt Ion: 97 Resp: 123608

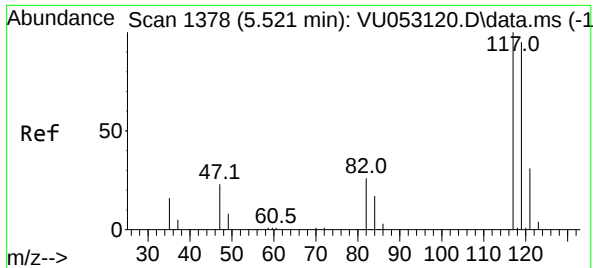
Ion Ratio Lower Upper

97 100

99 62.5 51.3 76.9

61 44.5 35.3 52.9

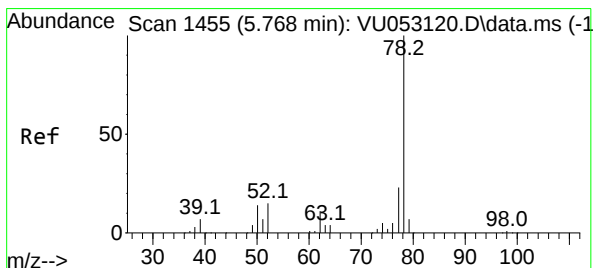
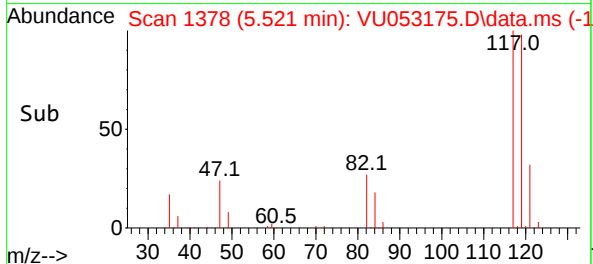
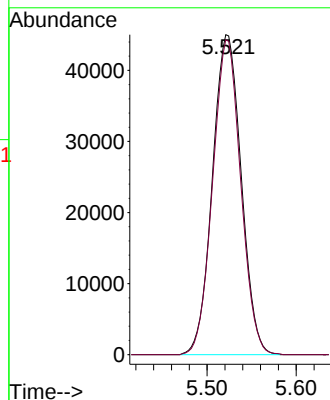
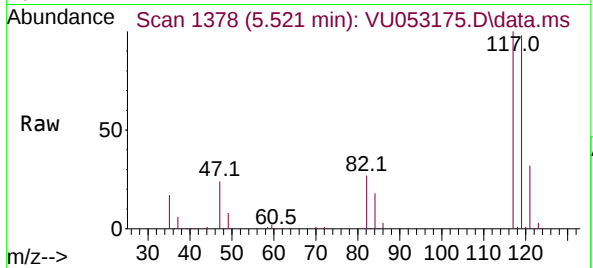




#31
Carbon tetrachloride
Concen: 46.496 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

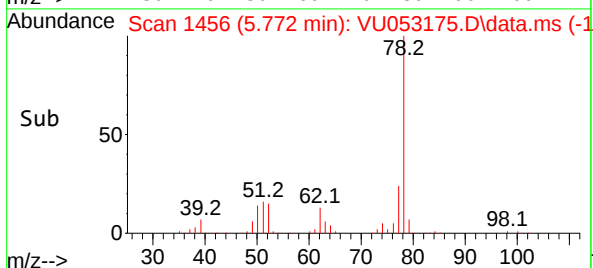
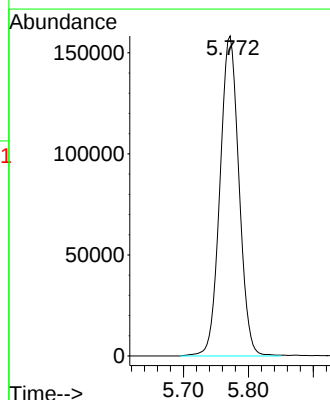
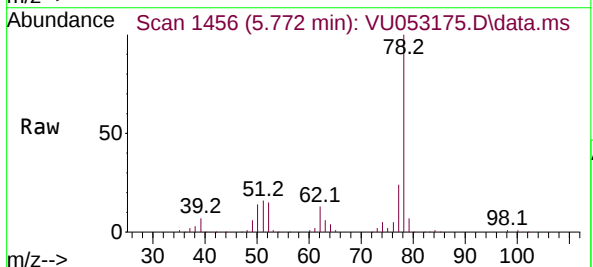
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

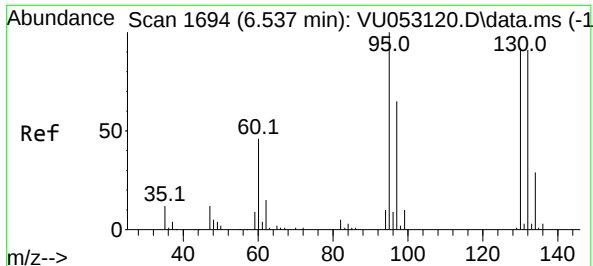
Tgt Ion:117 Resp: 100913
Ion Ratio Lower Upper
117 100
119 95.9 75.9 113.9



#33
Benzene
Concen: 49.918 ug/L
RT: 5.772 min Scan# 1456
Delta R.T. 0.003 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion: 78 Resp: 320977





#34

Trichloroethene

Concen: 49.872 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050158

Tgt Ion: 95 Resp: 83212

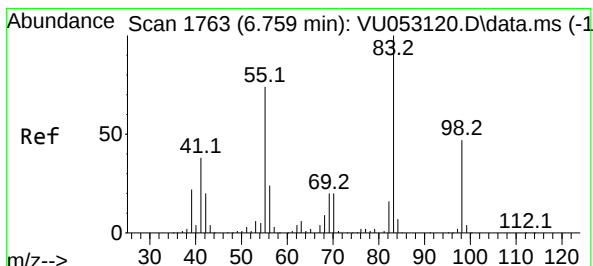
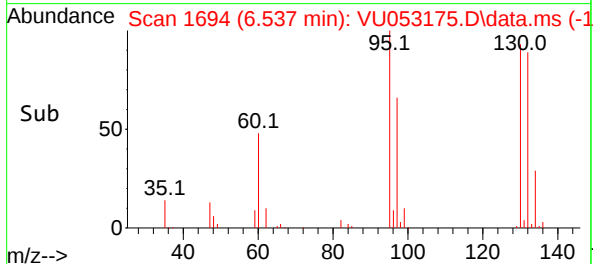
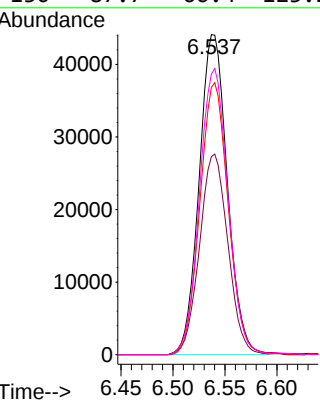
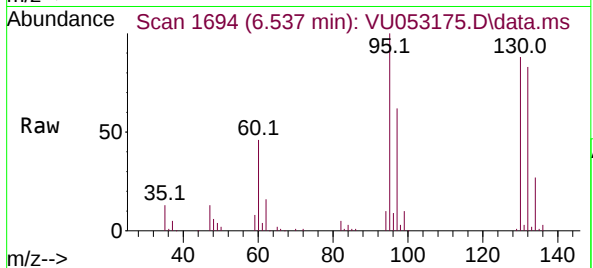
Ion Ratio Lower Upper

95 100

97 61.9 47.1 87.5

132 83.5 63.6 118.2

130 87.7 66.4 123.2



#35

Methylcyclohexane

Concen: 51.557 ug/L

RT: 6.762 min Scan# 1764

Delta R.T. 0.003 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

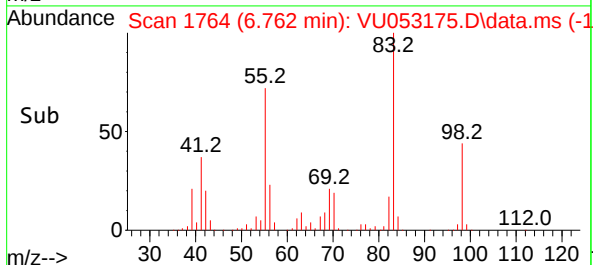
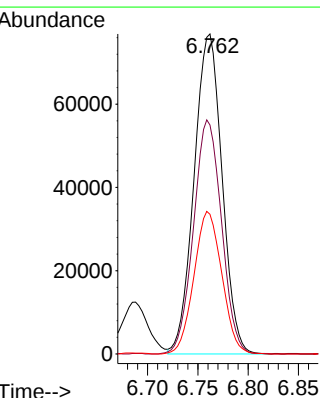
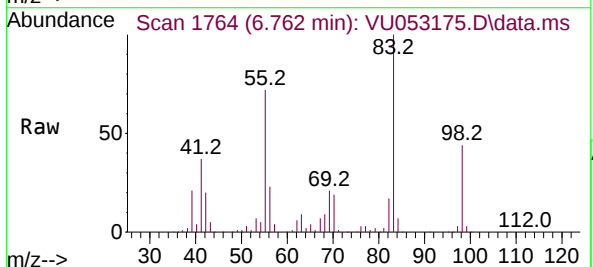
Tgt Ion: 83 Resp: 148994

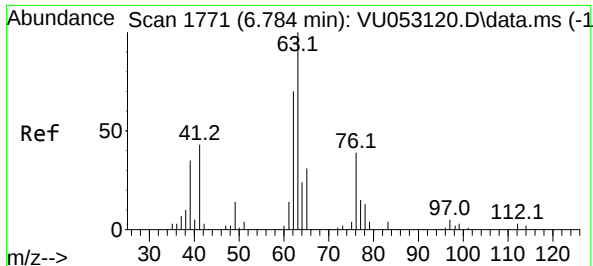
Ion Ratio Lower Upper

83 100

55 73.2 57.4 86.2

98 44.3 36.1 54.1





#37

1,2-Dichloropropane

Concen: 49.913 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

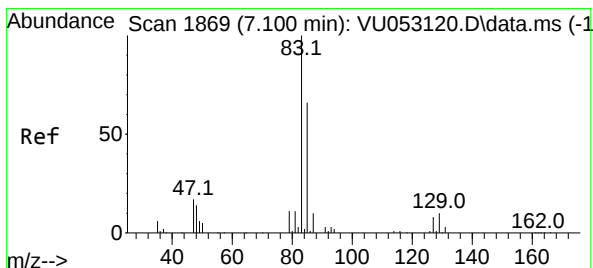
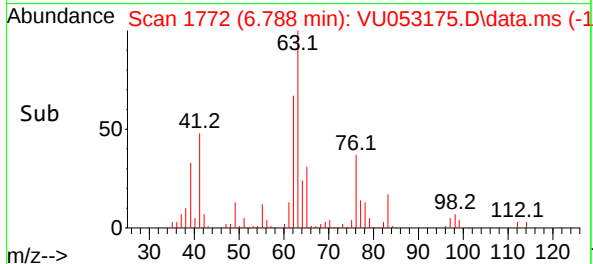
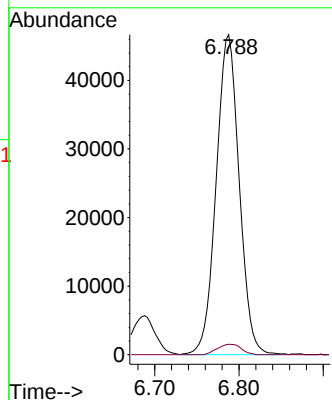
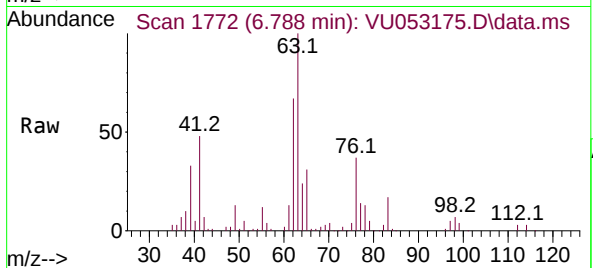
VSTD050158

Tgt Ion: 63 Resp: 88504

Ion Ratio Lower Upper

63 100

112 3.4 2.7 4.1



#38

Bromodichloromethane

Concen: 49.483 ug/L

RT: 7.100 min Scan# 1869

Delta R.T. 0.000 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

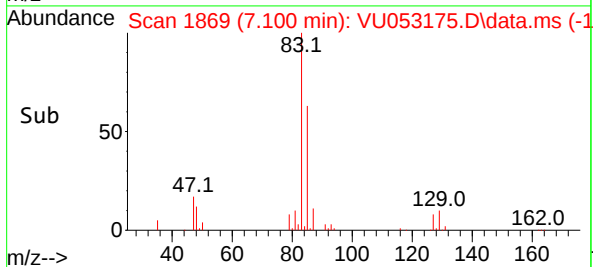
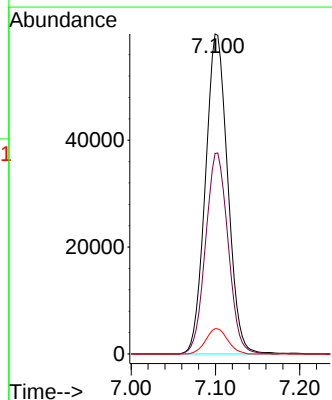
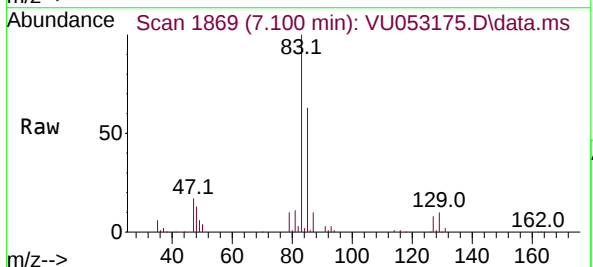
Tgt Ion: 83 Resp: 110363

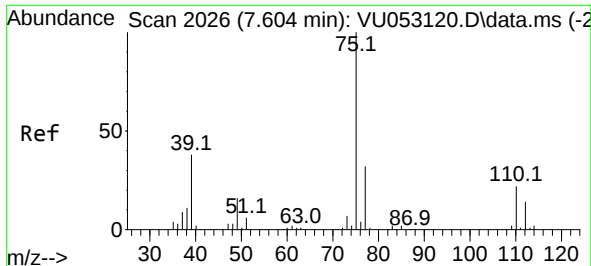
Ion Ratio Lower Upper

83 100

85 62.7 44.2 82.0

127 7.9 6.2 9.2

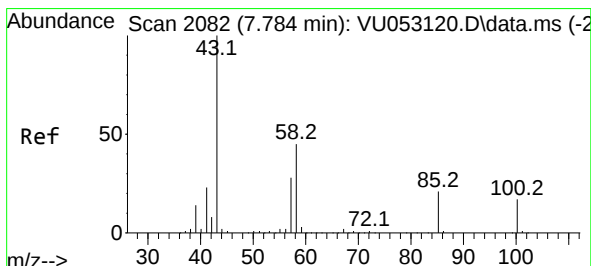
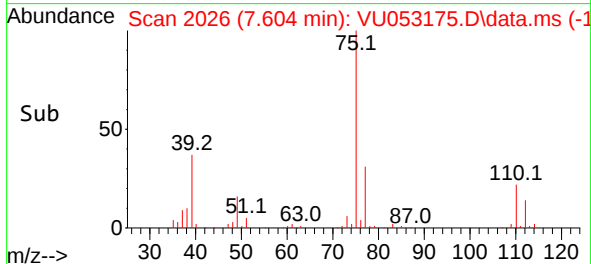
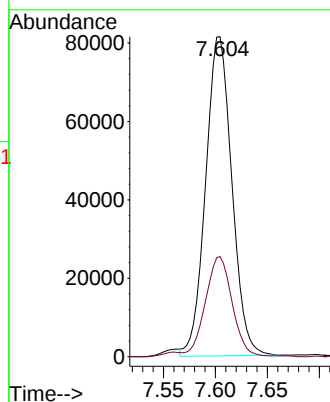
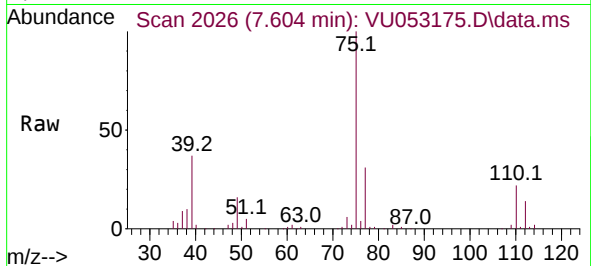




#39
 cis-1,3-Dichloropropene
 Concen: 49.143 ug/L
 RT: 7.604 min Scan# 2026
 Delta R.T. 0.000 min
 Lab File: VU053175.D
 Acq: 02 Mar 2023 09:38

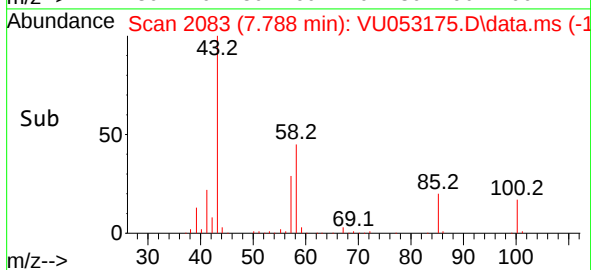
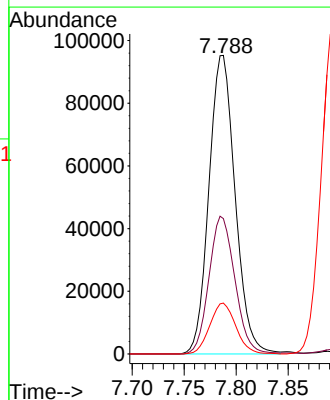
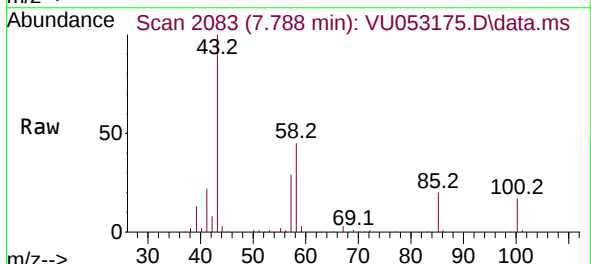
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050158

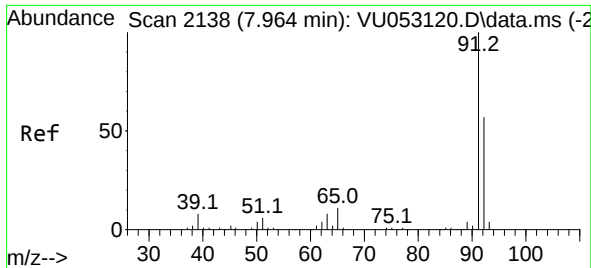
Tgt Ion: 75 Resp: 143089
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 88.561 ug/L
 RT: 7.788 min Scan# 2083
 Delta R.T. 0.003 min
 Lab File: VU053175.D
 Acq: 02 Mar 2023 09:38

Tgt Ion: 43 Resp: 167227
 Ion Ratio Lower Upper
 43 100
 58 45.7 35.9 53.9
 100 16.9 13.7 20.5





#42

Toluene

Concen: 50.068 ug/L

RT: 7.965 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

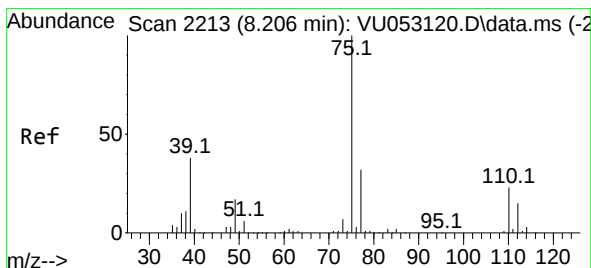
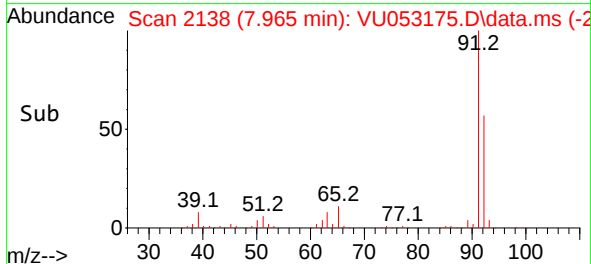
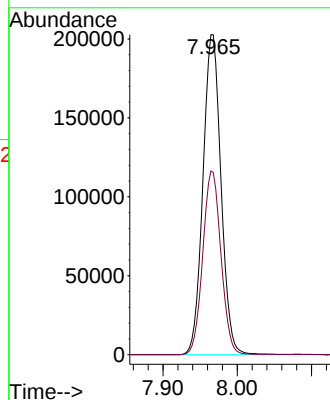
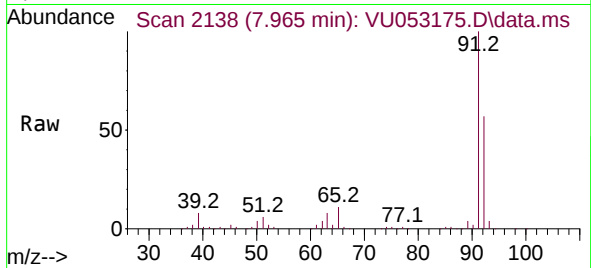
VSTD050158

Tgt Ion: 91 Resp: 342450

Ion Ratio Lower Upper

91 100

92 57.4 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 49.146 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VU053175.D

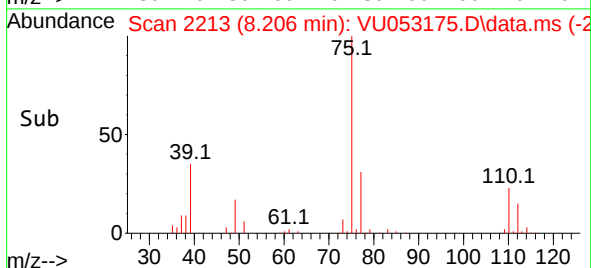
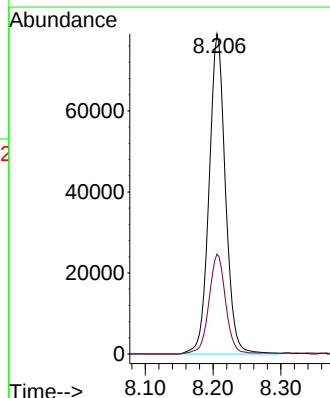
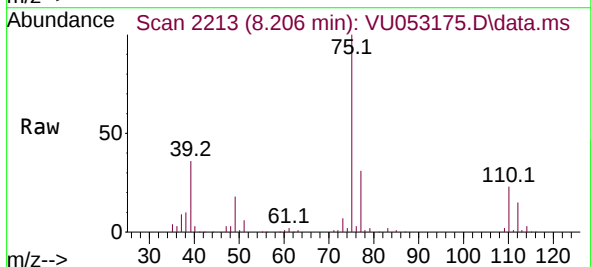
Acq: 02 Mar 2023 09:38

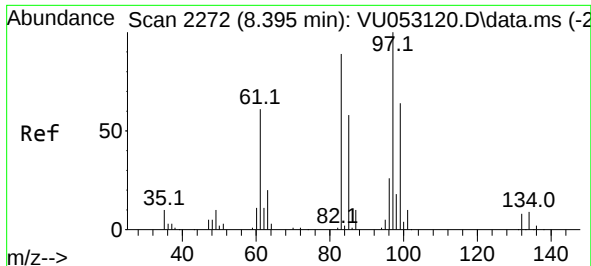
Tgt Ion: 75 Resp: 132548

Ion Ratio Lower Upper

75 100

77 31.2 22.2 41.2

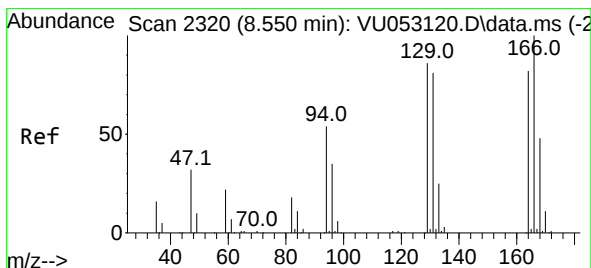
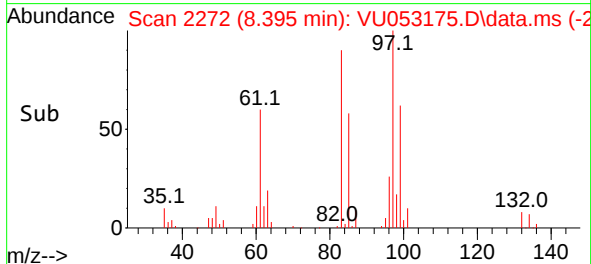
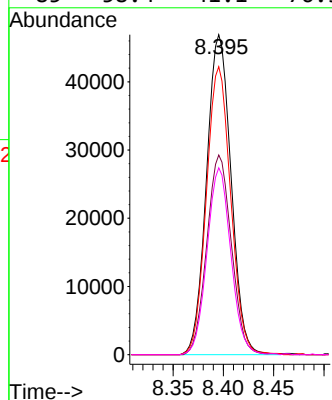
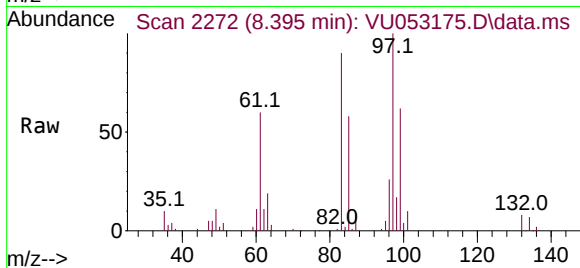




#45
1,1,2-Trichloroethane
Concen: 49.581 ug/L
RT: 8.395 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

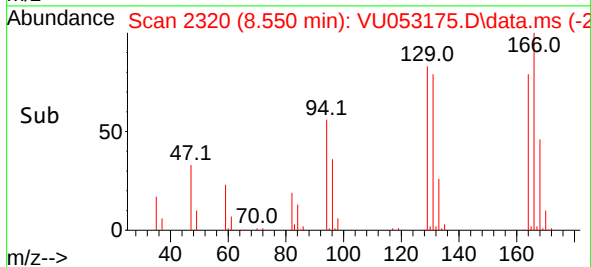
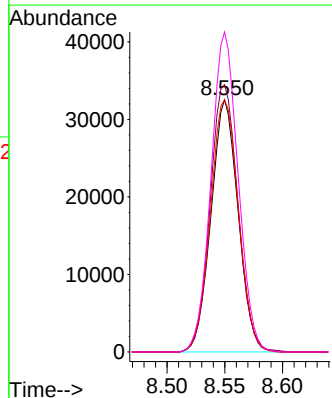
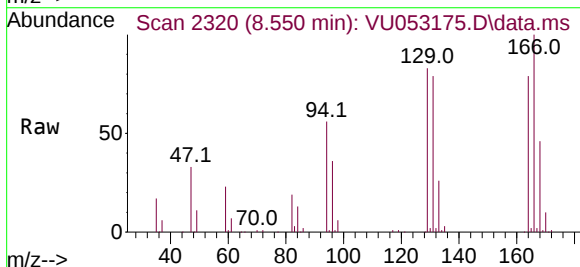
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

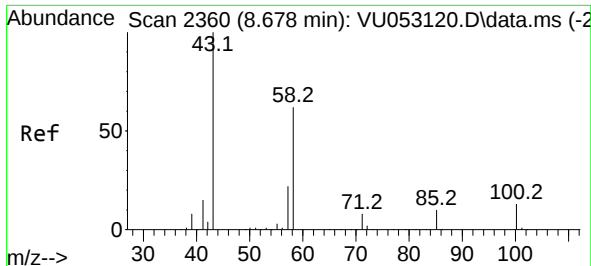
Tgt Ion:	97	Resp:	79727
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.7	81.1
83	90.0	61.7	114.5
85	58.4	41.1	76.3



#46
Tetrachloroethene
Concen: 48.071 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion:	164	Resp:	53132
Ion	Ratio	Lower	Upper
164	100		
129	106.0	74.8	139.0
131	100.0	70.7	131.3
166	126.9	88.6	164.6

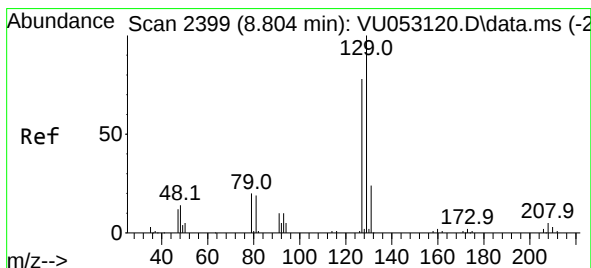
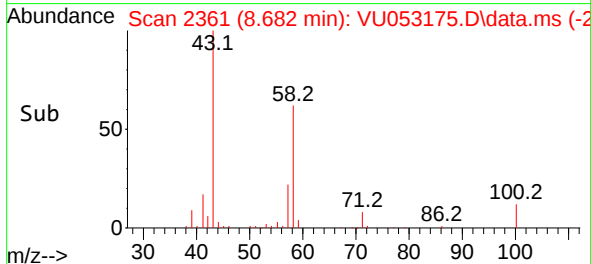
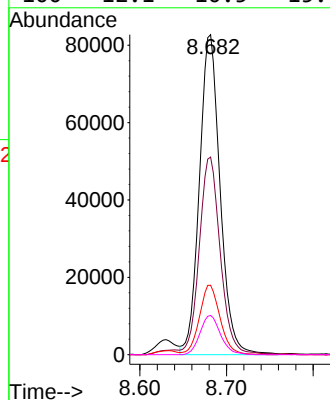
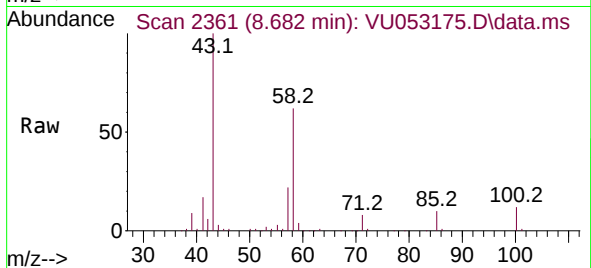




#48
2-Hexanone
Concen: 92.533 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

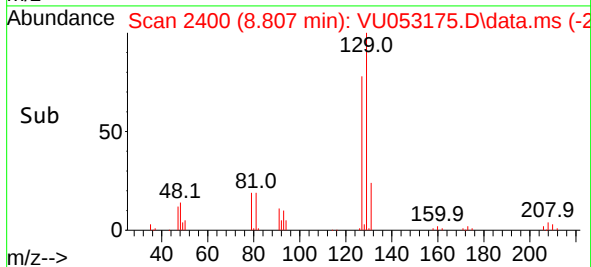
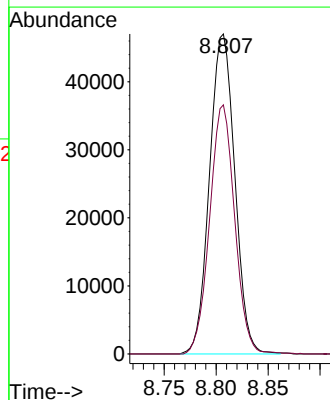
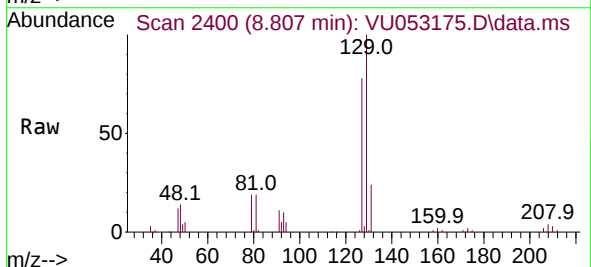
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

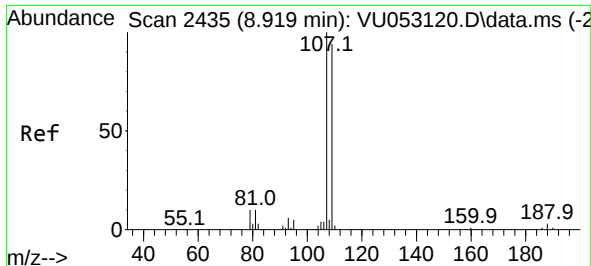
Tgt Ion:	43	Resp:	137871
Ion	Ratio	Lower	Upper
43	100		
58	62.3	50.0	75.0
57	21.8	17.7	26.5
100	12.1	10.5	15.7



#49
Dibromochloromethane
Concen: 47.974 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. 0.003 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion:	129	Resp:	79680
Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.9	101.9

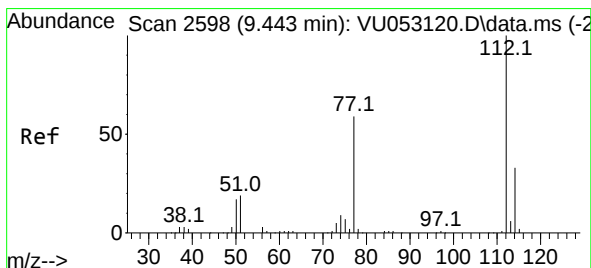
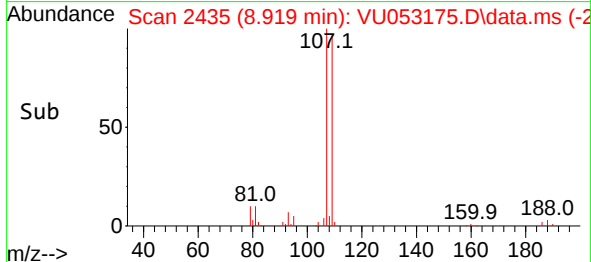
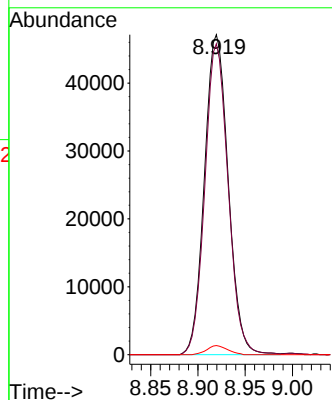
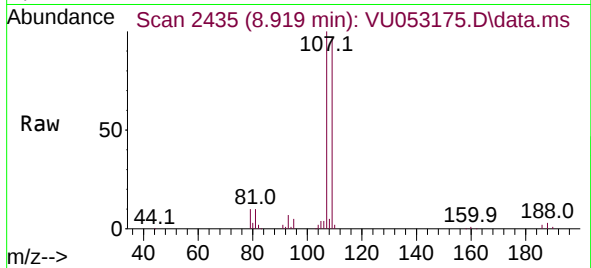




#50
1,2-Dibromoethane
Concen: 48.312 ug/L
RT: 8.919 min Scan# 2435
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

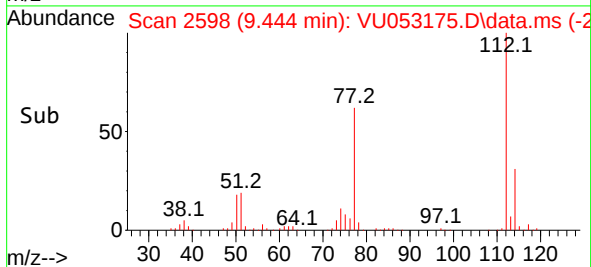
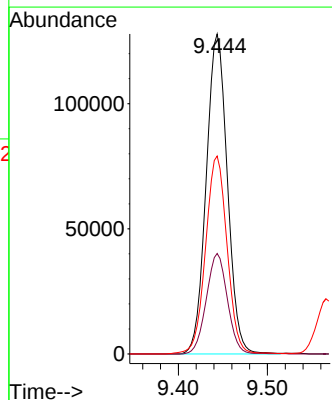
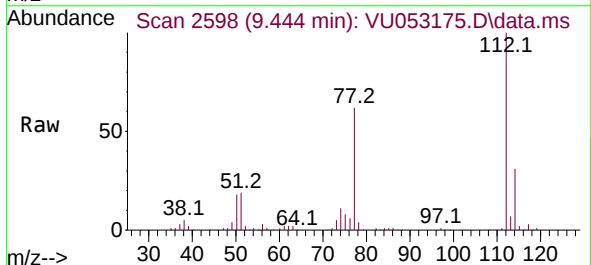
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

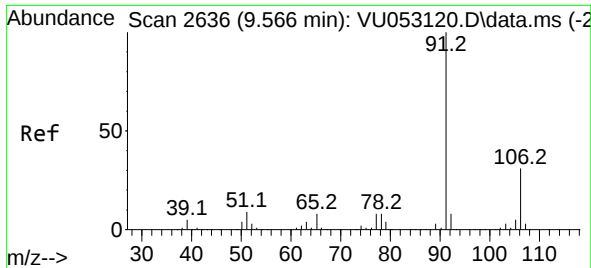
Tgt Ion:107 Resp: 82520
Ion Ratio Lower Upper
107 100
109 97.1 64.5 119.9
188 2.9 2.2 3.4



#51
Chlorobenzene
Concen: 49.691 ug/L
RT: 9.444 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion:112 Resp: 210548
Ion Ratio Lower Upper
112 100
114 31.4 22.3 41.3
77 61.9 48.8 73.2

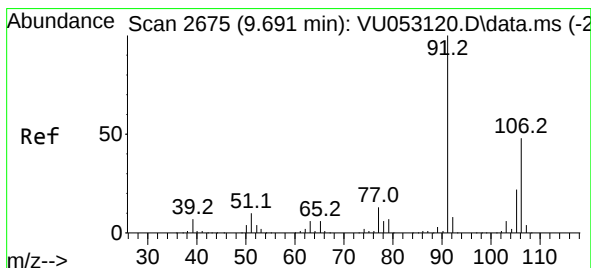
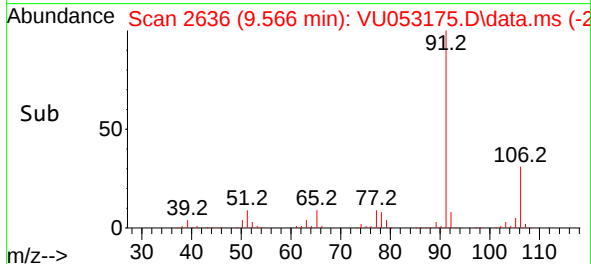
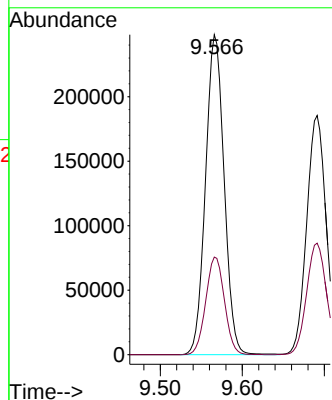
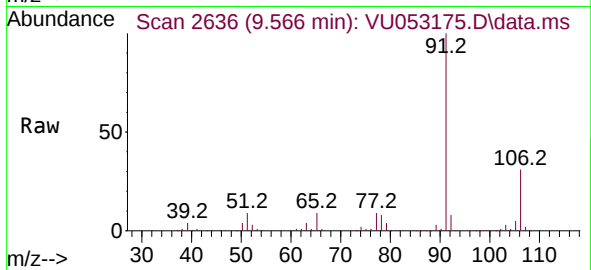




#52
Ethylbenzene
Concen: 51.163 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

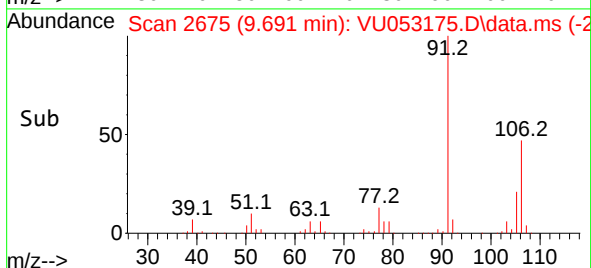
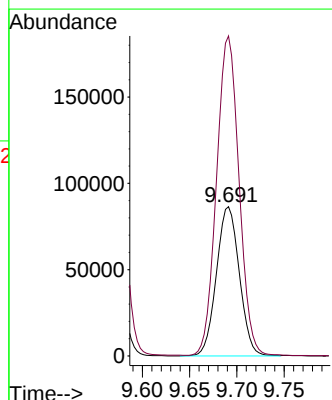
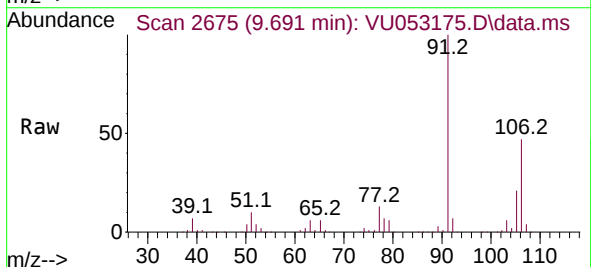
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

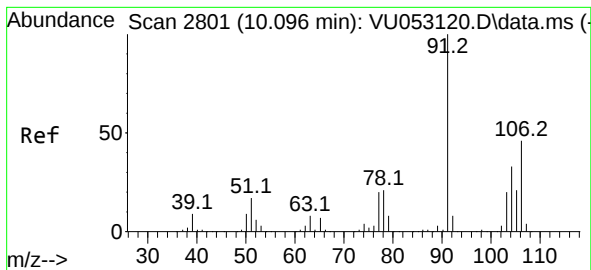
Tgt Ion: 91 Resp: 390275
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#53
m,p-Xylene
Concen: 50.874 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion: 106 Resp: 145926
Ion Ratio Lower Upper
106 100
91 214.3 145.6 270.4





#54

o-xylene

Concen: 50.088 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. 0.000 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

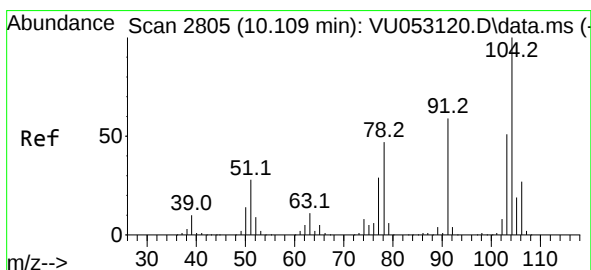
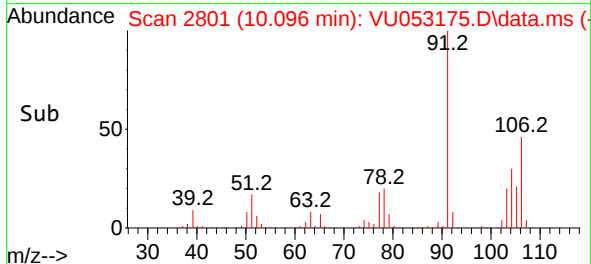
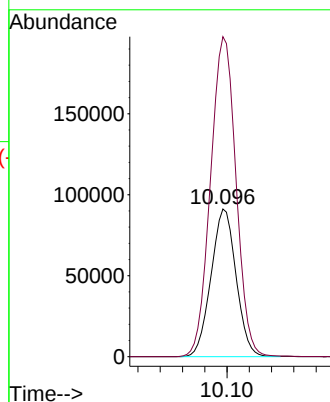
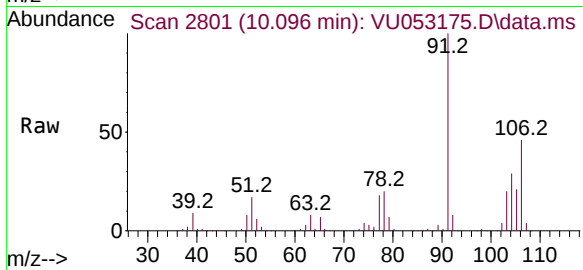
VSTD050158

Tgt Ion:106 Resp: 142438

Ion Ratio Lower Upper

106 100

91 216.6 152.8 283.8



#55

Styrene

Concen: 50.927 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. 0.000 min

Lab File: VU053175.D

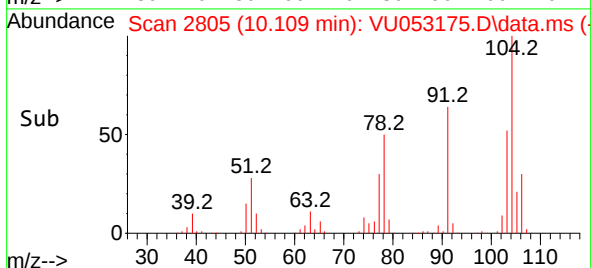
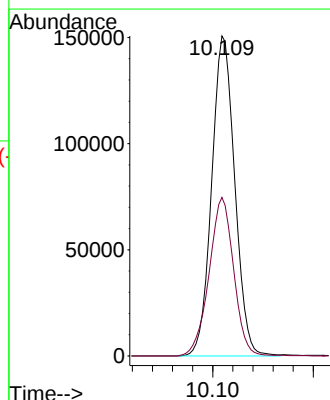
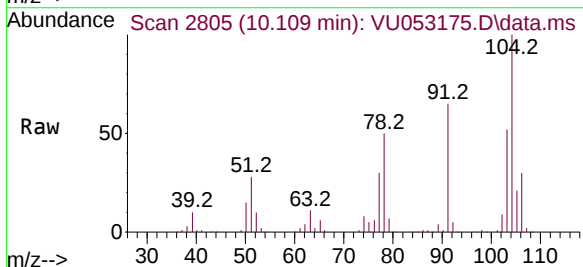
Acq: 02 Mar 2023 09:38

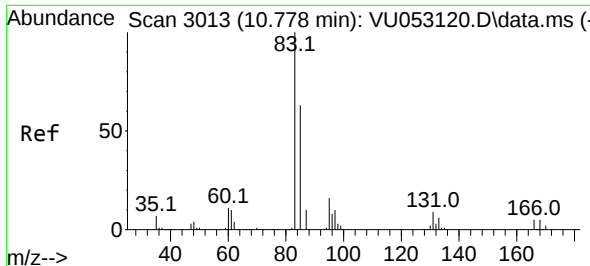
Tgt Ion:104 Resp: 240211

Ion Ratio Lower Upper

104 100

78 49.6 33.6 62.4

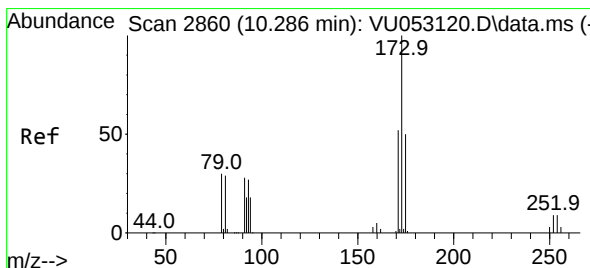
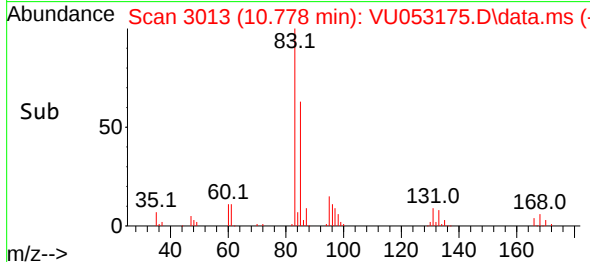
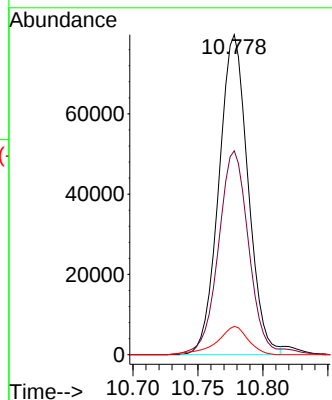
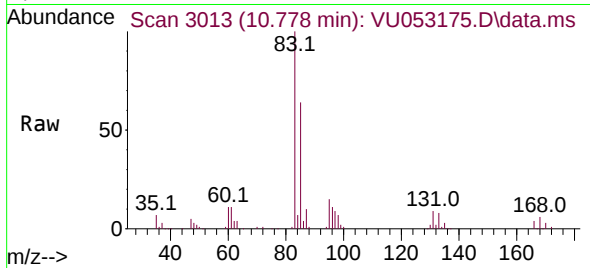




#57
 1,1,2,2-Tetrachloroethane
 Concen: 47.627 ug/L
 RT: 10.778 min Scan# 3013
 Delta R.T. 0.000 min
 Lab File: VU053175.D
 Acq: 02 Mar 2023 09:38

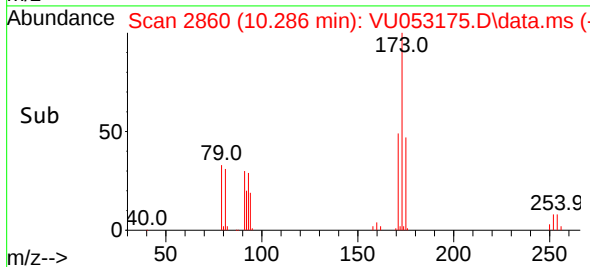
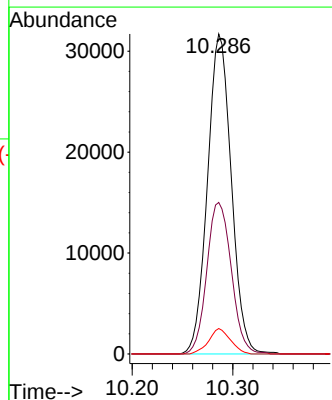
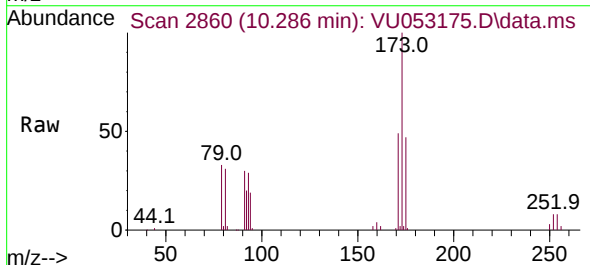
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050158

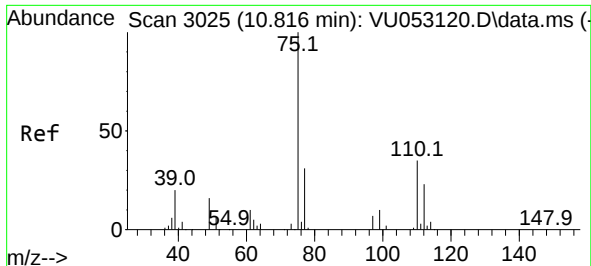
Tgt Ion: 83 Resp: 124228
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.7 82.9
 131 8.9 7.2 10.8



#59
 Bromoform
 Concen: 44.914 ug/L
 RT: 10.286 min Scan# 2860
 Delta R.T. 0.000 min
 Lab File: VU053175.D
 Acq: 02 Mar 2023 09:38

Tgt Ion:173 Resp: 52123
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.8 58.2
 254 7.3 6.4 9.6

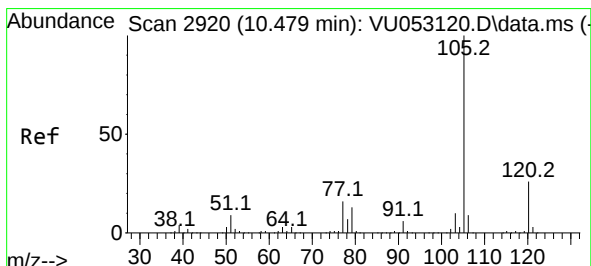
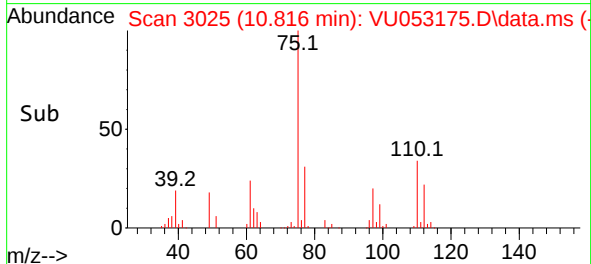
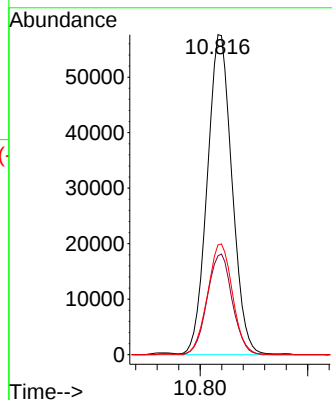
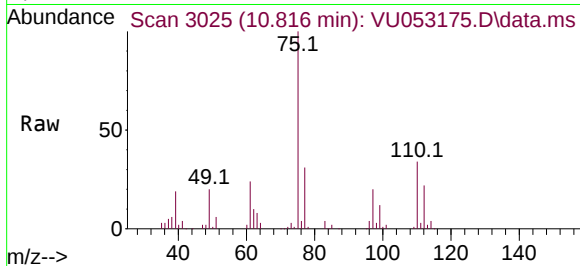




#60
1,2,3-Trichloropropane
Concen: 46.860 ug/L
RT: 10.816 min Scan# 3025
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

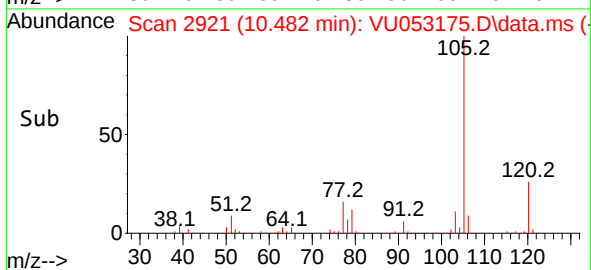
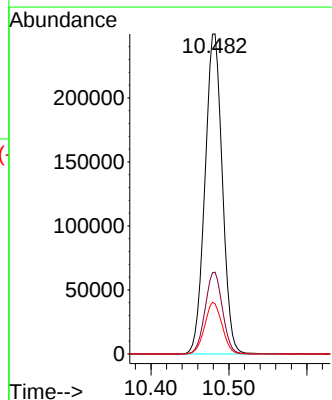
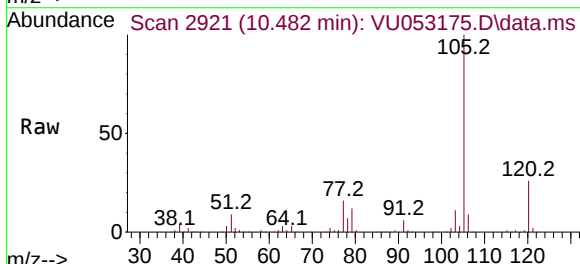
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

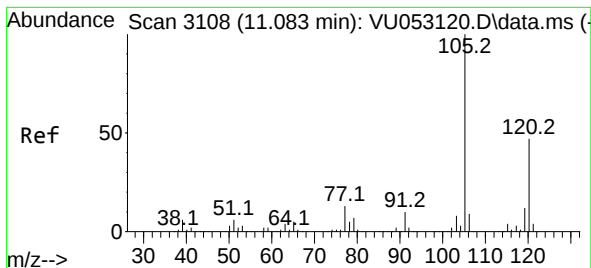
Tgt Ion:	75	Resp:	92211
Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.6	39.8
110	34.9	28.6	42.8



#61
Isopropylbenzene
Concen: 51.321 ug/L
RT: 10.482 min Scan# 2921
Delta R.T. 0.003 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion:	105	Resp:	386283
Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.8	31.2
77	16.1	12.8	19.2

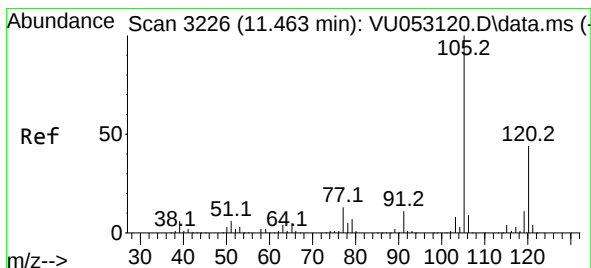
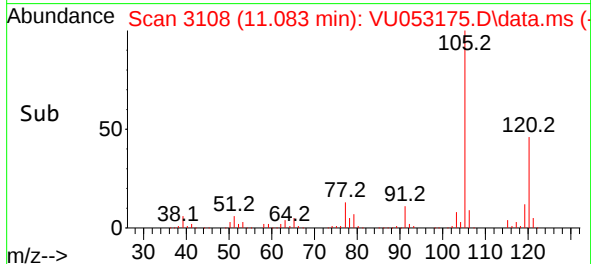
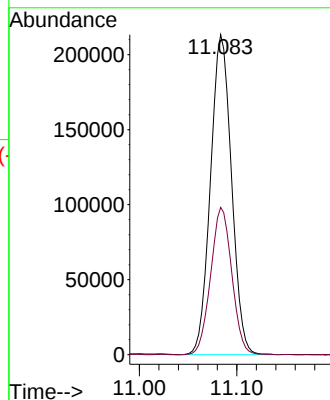
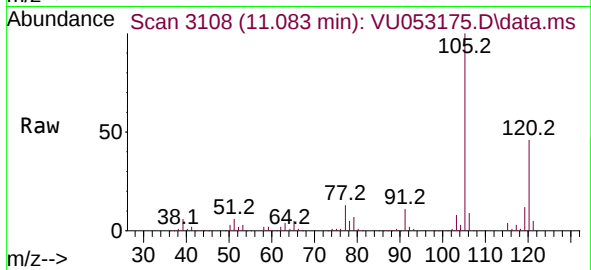




#62
1,3,5-Trimethylbenzene
Concen: 50.121 ug/L
RT: 11.083 min Scan# 3108
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

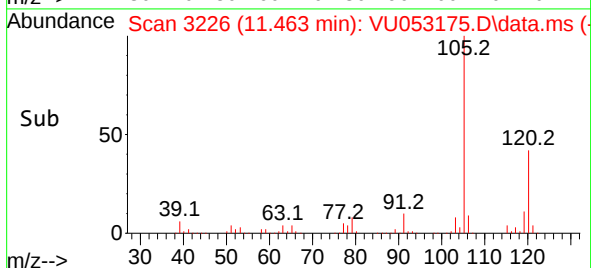
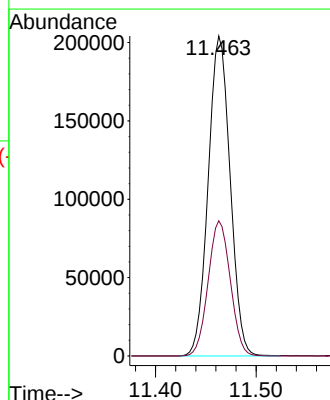
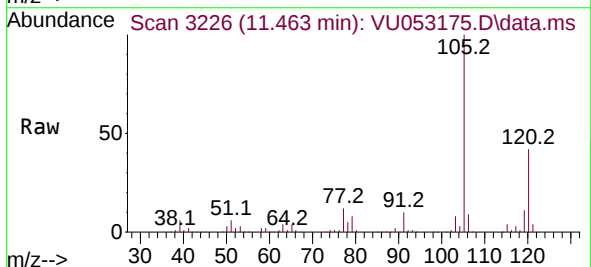
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

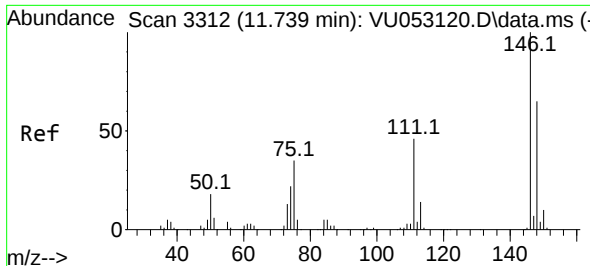
Tgt Ion:105 Resp: 319417
Ion Ratio Lower Upper
105 100
120 46.3 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 50.253 ug/L
RT: 11.463 min Scan# 3226
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion:105 Resp: 309990
Ion Ratio Lower Upper
105 100
120 42.5 35.4 53.2

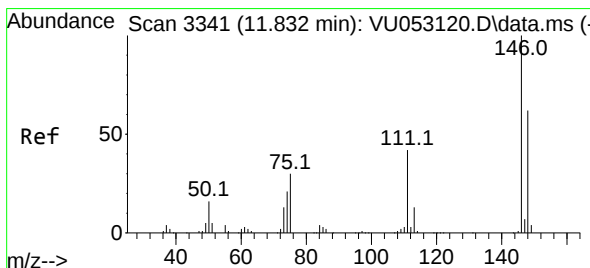
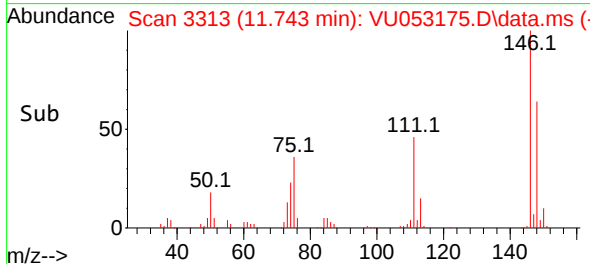
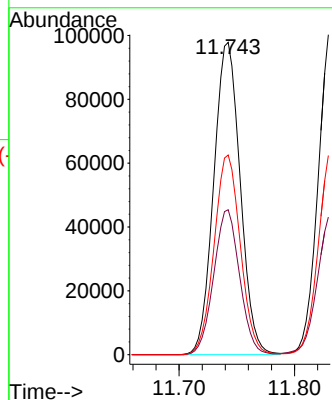
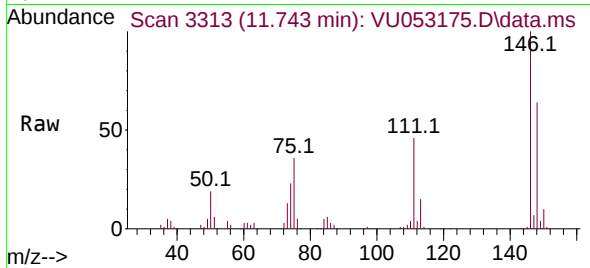




#64
1,3-Dichlorobenzene
Concen: 50.592 ug/L
RT: 11.743 min Scan# 3313
Delta R.T. 0.003 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

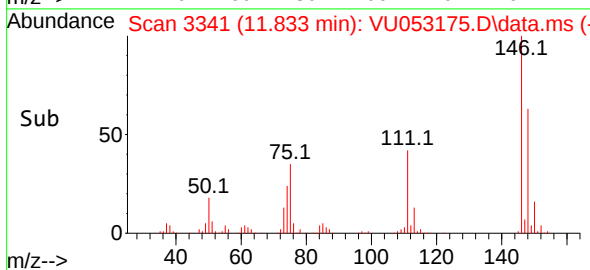
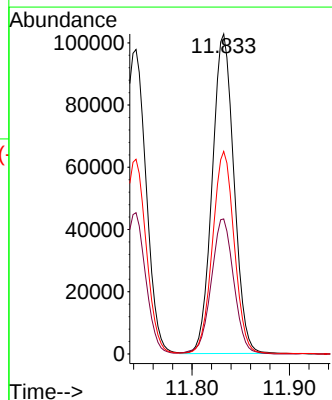
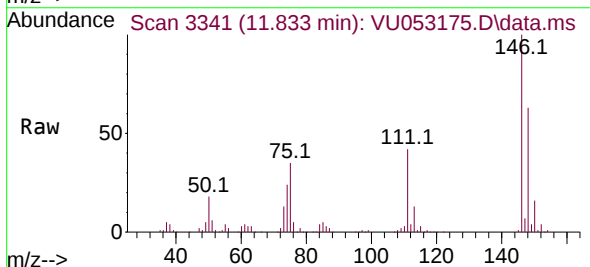
Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

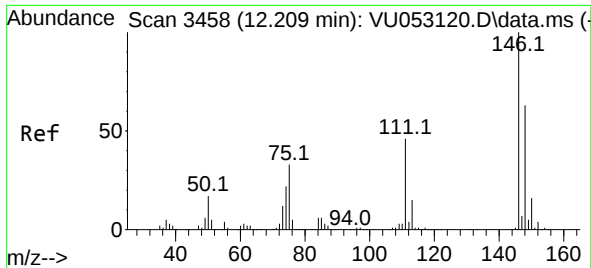
Tgt Ion:146 Resp: 155942
Ion Ratio Lower Upper
146 100
111 46.4 32.1 59.5
148 63.9 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 51.013 ug/L
RT: 11.833 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion:146 Resp: 159523
Ion Ratio Lower Upper
146 100
111 42.2 29.9 55.5
148 63.3 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 49.583 ug/L

RT: 12.209 min Scan# 3458

Delta R.T. 0.000 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050158

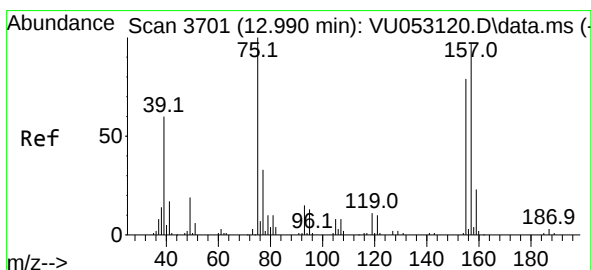
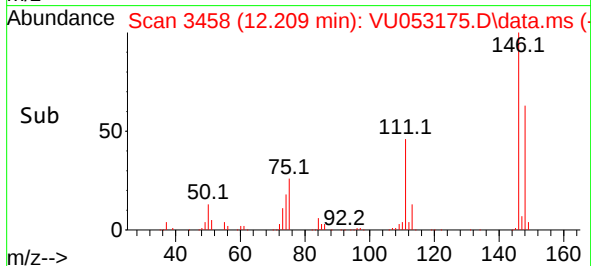
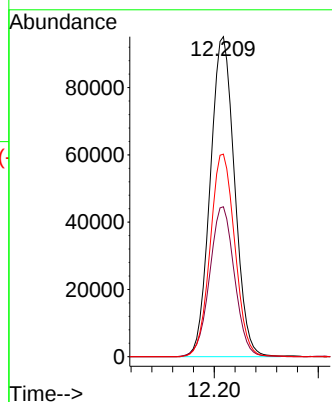
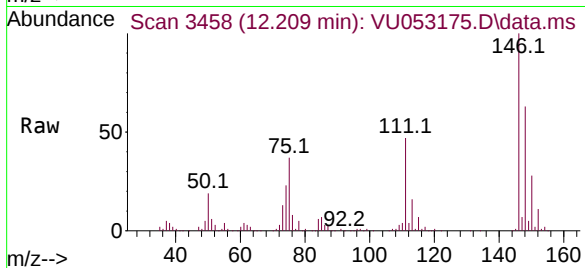
Tgt Ion:146 Resp: 154468

Ion Ratio Lower Upper

146 100

111 46.9 37.8 56.6

148 63.3 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 42.814 ug/L

RT: 12.993 min Scan# 3702

Delta R.T. 0.003 min

Lab File: VU053175.D

Acq: 02 Mar 2023 09:38

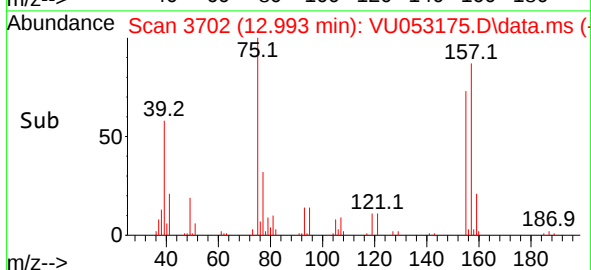
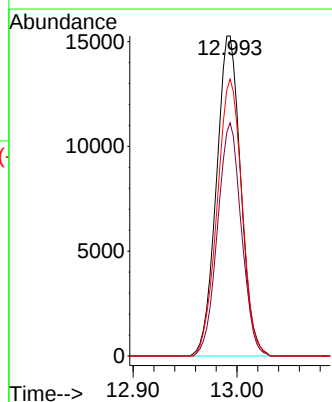
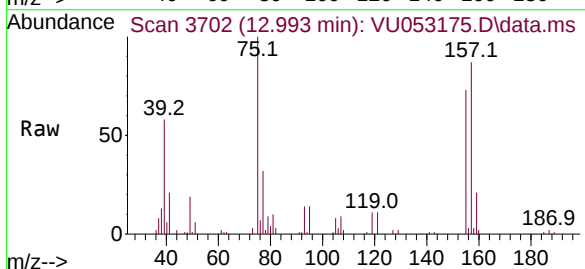
Tgt Ion: 75 Resp: 24835

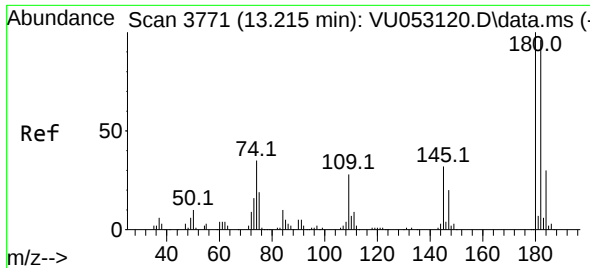
Ion Ratio Lower Upper

75 100

155 72.9 55.8 83.6

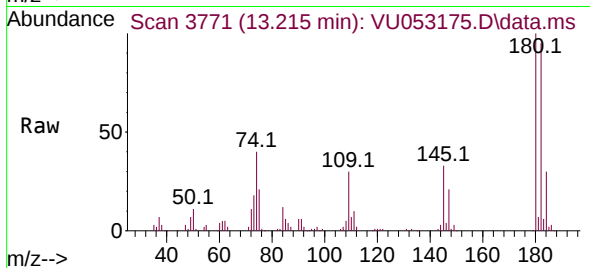
157 86.5 70.7 106.1



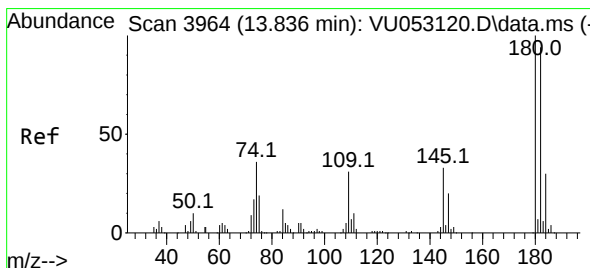
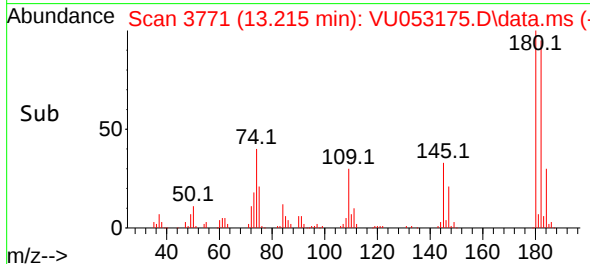
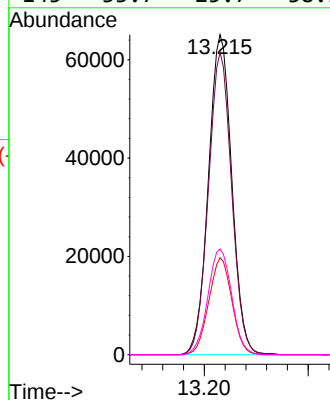


#69
 1,3,5-Trichlorobenzene
 Concen: 48.542 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. 0.000 min
 Lab File: VU053175.D
 Acq: 02 Mar 2023 09:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050158

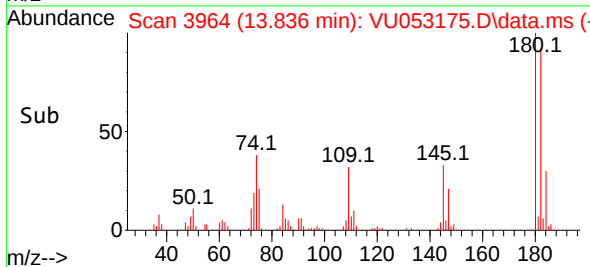
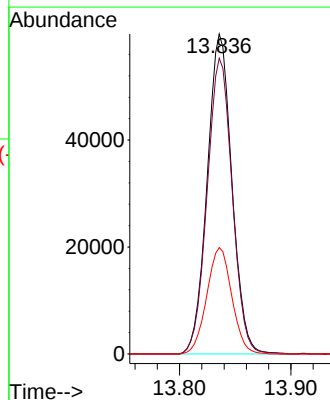
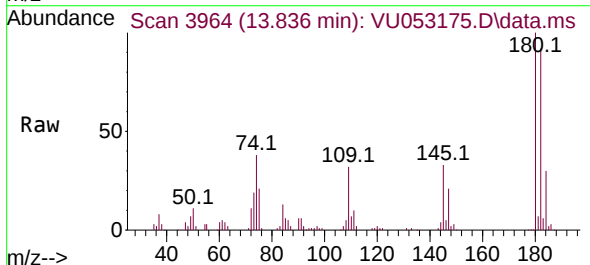


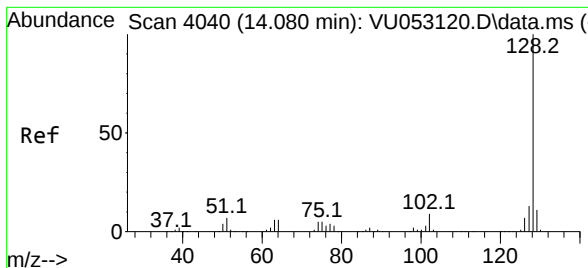
Tgt Ion:180 Resp: 101430
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.9 115.3
 184 29.9 23.7 35.5
 145 33.7 25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 46.696 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VU053175.D
 Acq: 02 Mar 2023 09:38

Tgt Ion:180 Resp: 92344
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.4 114.6
 145 33.6 26.8 40.2

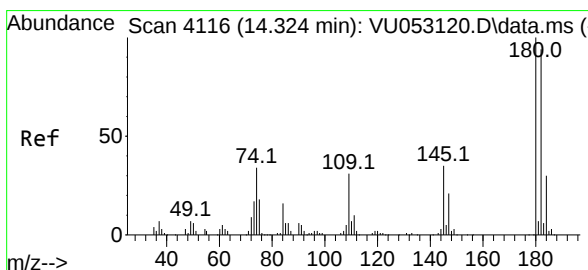
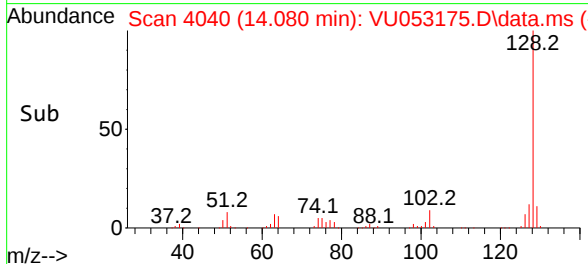
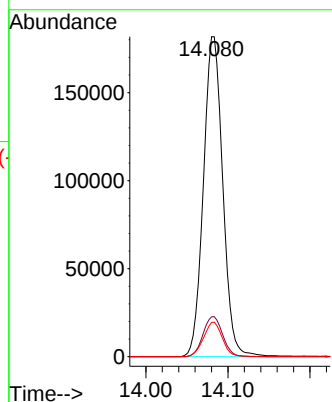
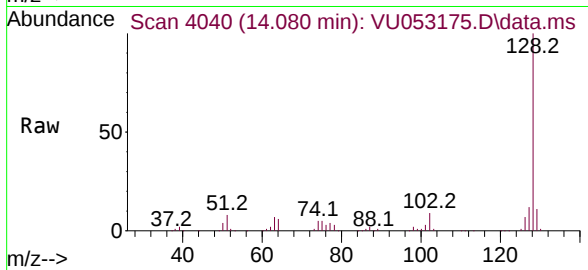




#71
Naphthalene
Concen: 39.205 ug/L
RT: 14.080 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD050158

Tgt Ion:128 Resp: 297670
Ion Ratio Lower Upper
128 100
127 12.7 9.9 14.9
129 10.5 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 43.485 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. 0.000 min
Lab File: VU053175.D
Acq: 02 Mar 2023 09:38

Tgt Ion:180 Resp: 86346
Ion Ratio Lower Upper
180 100
182 95.7 75.4 113.2
145 37.0 28.2 42.2

