

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021123\
 Data File : VU053053.D
 Acq On : 11 Feb 2023 16:54
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005137

Quant Time: Feb 12 22:43:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 10 23:20:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	136907	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	118139	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	58222	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	28121	4.288	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.800%
7) Chloroethane-d5	1.913	69	27851	4.518	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.563	65	12852	4.272	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.400%
20) 2-Butanone-d5	4.649	46	92318	45.959	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.920%
24) Chloroform-d	5.058	84	69200	4.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.701	65	34693	4.562	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	5.723	84	124062	4.673	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	6.688	67	43850	4.742	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.894	98	109499	4.566	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
43) trans-1,3-Dichloroprop...	8.177	79	16760	4.477	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.633	63	78982	47.527	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.060%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	38824	4.889	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	41386	4.758	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	47338	4.709	ug/L	99
3) Chloromethane	1.518	50	50372	4.810	ug/L	100
5) Vinyl chloride	1.601	62	56106	4.863	ug/L	97
6) Bromomethane	1.859	94	32791	4.570	ug/L	96
8) Chloroethane	1.933	64	32714	4.815	ug/L	98
9) Trichlorofluoromethane	2.138	101	78169	4.918	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	41506	4.743	ug/L	98
12) 1,1-Dichloroethene	2.576	96	38621	4.768	ug/L	85
13) Acetone	2.675	43	17914	12.424	ug/L #	12
14) Carbon disulfide	2.791	76	119492	4.886	ug/L	100
15) Methyl Acetate	2.965	43	15734	4.469	ug/L #	66
16) Methylene chloride	3.042	84	50990	5.442	ug/L	97
17) Methyl tert-butyl Ether	3.363	73	106367	4.836	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	40109	4.680	ug/L	97
19) 1,1-Dichloroethane	3.865	63	78332	4.853	ug/L	94
21) 2-Butanone	4.727	43	94347	44.292	ug/L	90
22) cis-1,2-Dichloroethene	4.662	96	46429	4.800	ug/L	98
23) Bromochloromethane	4.971	128	19806	5.171	ug/L	97
25) Chloroform	5.084	83	80879	4.793	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021123\
 Data File : VU053053.D
 Acq On : 11 Feb 2023 16:54
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

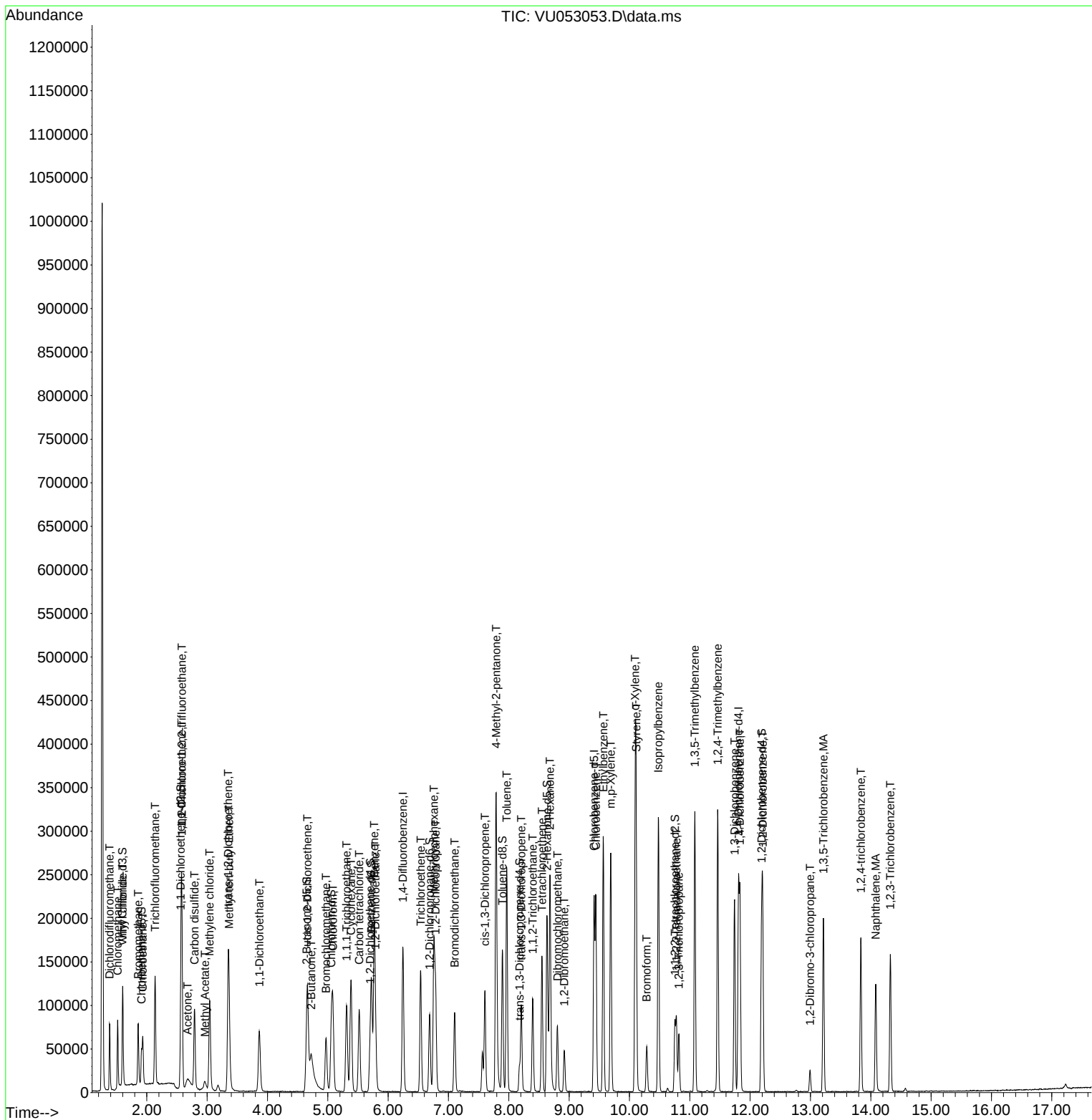
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005137

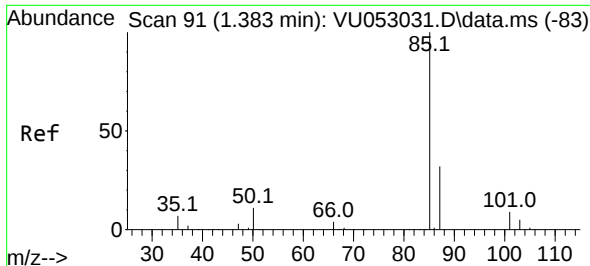
Quant Time: Feb 12 22:43:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 10 23:20:41 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	49689	4.790	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	71313	5.053	ug/L	98
30) Cyclohexane	5.386	56	70463	4.993	ug/L	99
31) Carbon tetrachloride	5.521	117	60959	5.175	ug/L	97
33) Benzene	5.772	78	173073	5.084	ug/L	100
34) Trichloroethene	6.540	95	46596	4.864	ug/L	96
35) Methylcyclohexane	6.759	83	75608	4.875	ug/L	98
37) 1,2-Dichloropropane	6.788	63	46638	5.031	ug/L	99
38) Bromodichloromethane	7.103	83	60233	5.011	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	70119	4.742	ug/L	96
40) 4-Methyl-2-pentanone	7.791	43	240276	49.654	ug/L	99
42) Toluene	7.964	91	188923	5.109	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	58241	4.775	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	33098	4.956	ug/L	97
47) Tetrachloroethene	8.550	164	31904	5.124	ug/L	97
48) 2-Hexanone	8.681	43	162690	45.808	ug/L	98
49) Dibromochloromethane	8.807	129	38661	5.309	ug/L	95
50) 1,2-Dibromoethane	8.919	107	32345	5.249	ug/L #	99
51) Chlorobenzene	9.443	112	117263	5.083	ug/L	99
52) Ethylbenzene	9.566	91	209115	4.983	ug/L	99
53) m,p-Xylene	9.691	106	78067	4.975	ug/L	99
54) o-Xylene	10.096	106	76797	5.049	ug/L	96
55) Styrene	10.112	104	124918	5.062	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	42075	4.979	ug/L	99
59) Bromoform	10.286	173	22235	5.254	ug/L	96
60) Isopropylbenzene	10.479	105	207664	4.930	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	27860	4.983	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	174588	4.908	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	177396	4.983	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	84555	4.957	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	83575	4.890	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	80451	5.058	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.993	75	6710	5.107	ug/L	88
69) 1,3,5-Trichlorobenzene	13.215	180	58832	4.842	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	50138	4.970	ug/L	98
71) Naphthalene	14.083	128	99950	4.941	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	46236	5.193	ug/L	99

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

Quant Time: Feb 12 22:43:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Feb 10 23:20:41 2023
Response via : Initial Calibration

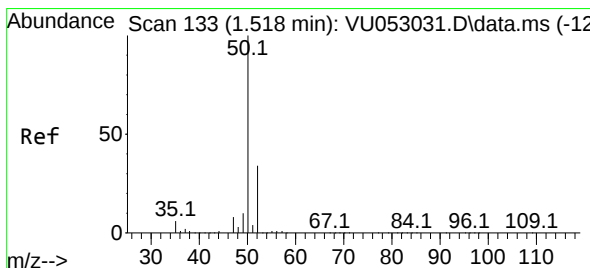
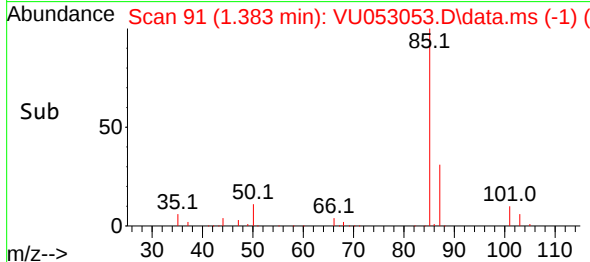
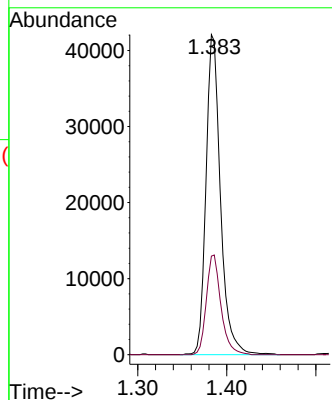
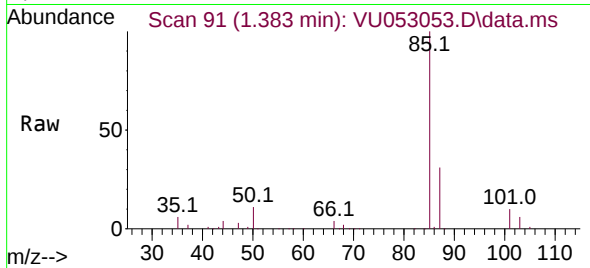




#2
 Dichlorodifluoromethane
 Concen: 4.709 ug/L
 RT: 1.383 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU053053.D
 Acq: 11 Feb 2023 16:54

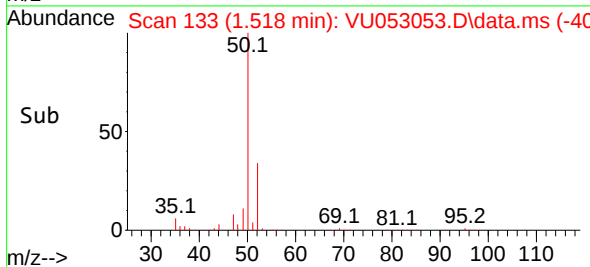
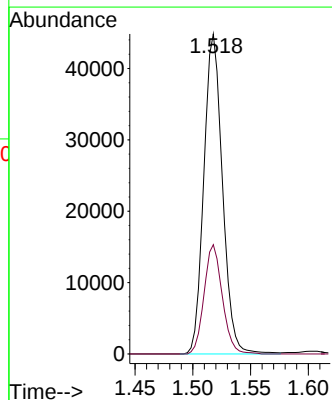
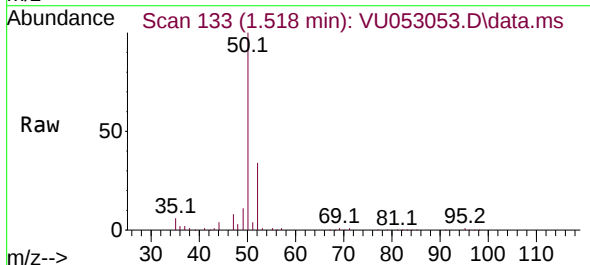
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005137

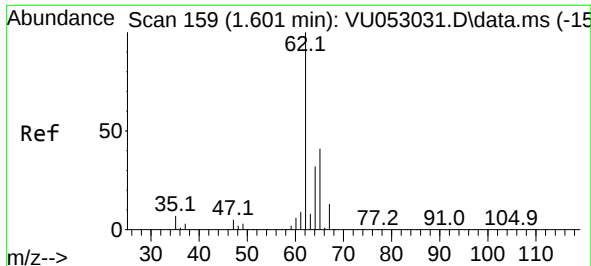
Tgt Ion: 85 Resp: 47338
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.5 38.3



#3
 Chloromethane
 Concen: 4.810 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. -0.000 min
 Lab File: VU053053.D
 Acq: 11 Feb 2023 16:54

Tgt Ion: 50 Resp: 50372
 Ion Ratio Lower Upper
 50 100
 52 34.1 24.1 44.7

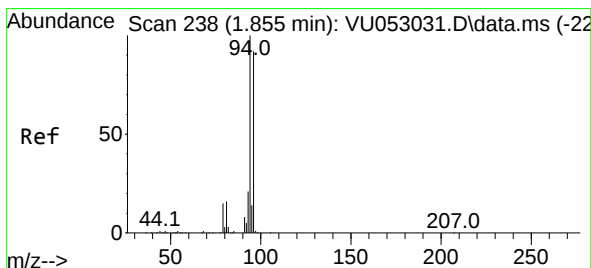
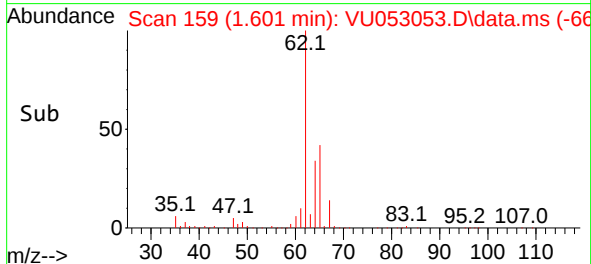
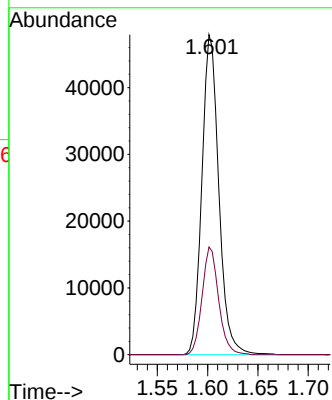
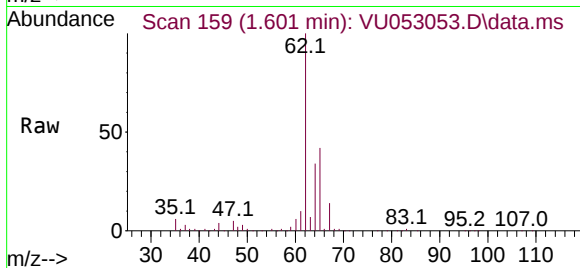




#5
 Vinyl chloride
 Concen: 4.863 ug/L
 RT: 1.601 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VU053053.D
 Acq: 11 Feb 2023 16:54

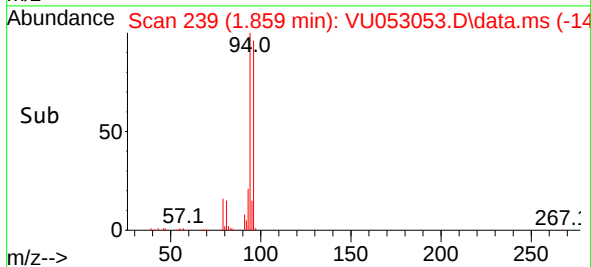
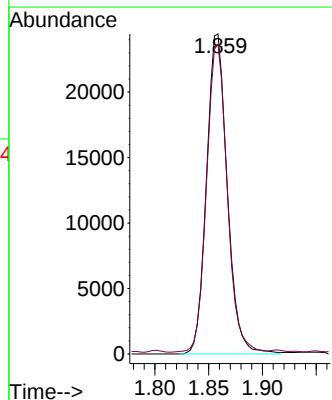
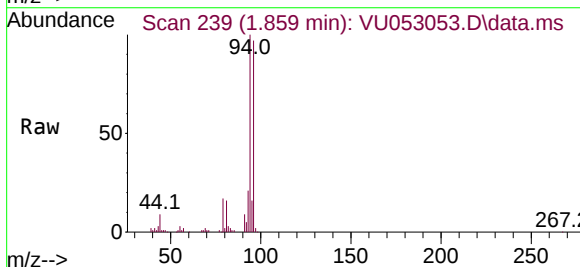
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005137

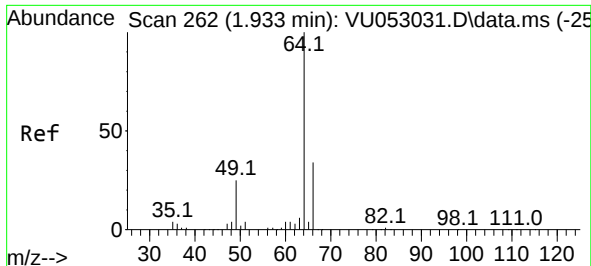
Tgt Ion: 62 Resp: 56106
 Ion Ratio Lower Upper
 62 100
 64 33.7 22.5 41.9



#6
 Bromomethane
 Concen: 4.570 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. 0.003 min
 Lab File: VU053053.D
 Acq: 11 Feb 2023 16:54

Tgt Ion: 94 Resp: 32791
 Ion Ratio Lower Upper
 94 100
 96 96.7 64.8 120.3

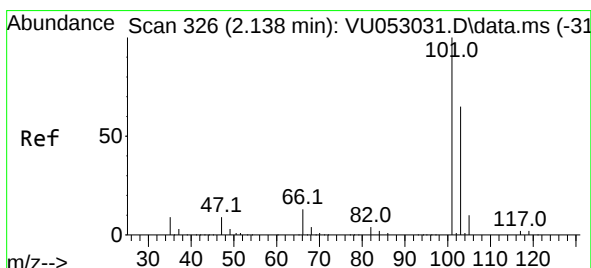
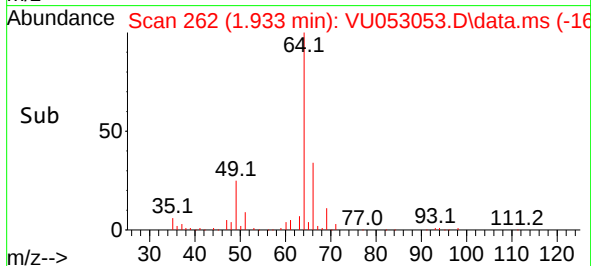
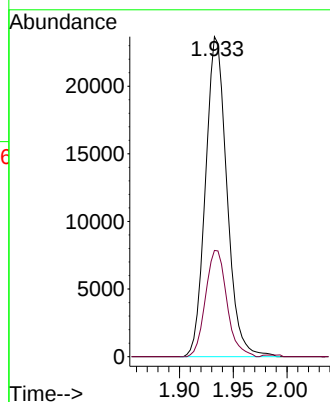
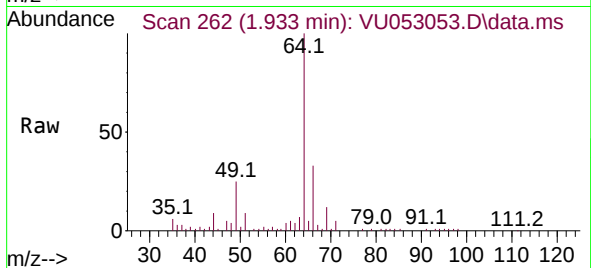




#8
Chloroethane
Concen: 4.815 ug/L
RT: 1.933 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

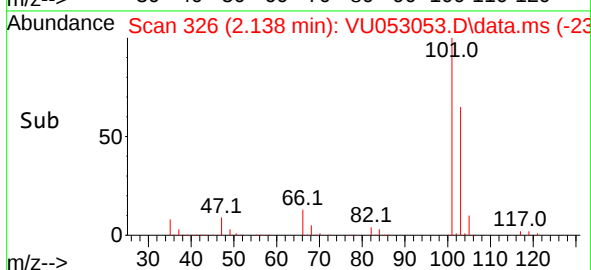
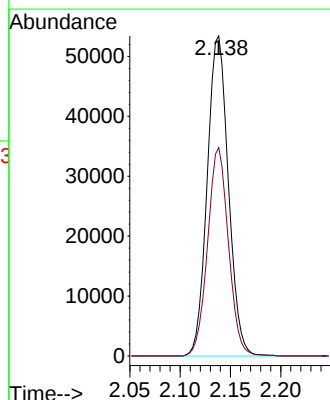
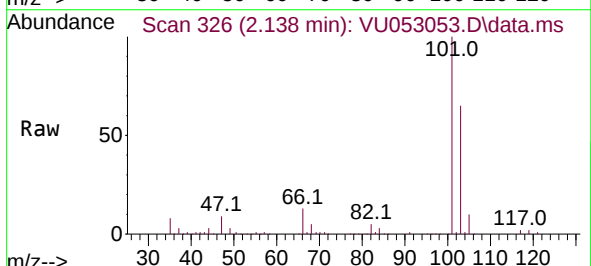
Instrument :
MSVOA_U
ClientSampleId :
VSTD005137

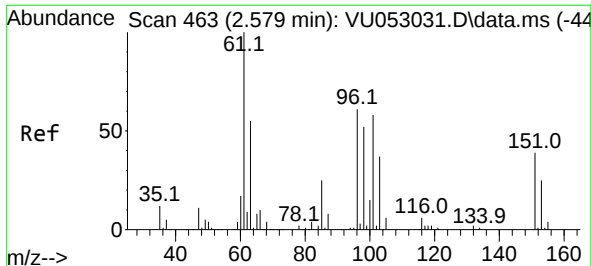
Tgt Ion: 64 Resp: 32714
Ion Ratio Lower Upper
64 100
66 33.2 23.9 44.3



#9
Trichlorofluoromethane
Concen: 4.918 ug/L
RT: 2.138 min Scan# 326
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Tgt Ion:101 Resp: 78169
Ion Ratio Lower Upper
101 100
103 64.1 52.6 78.8

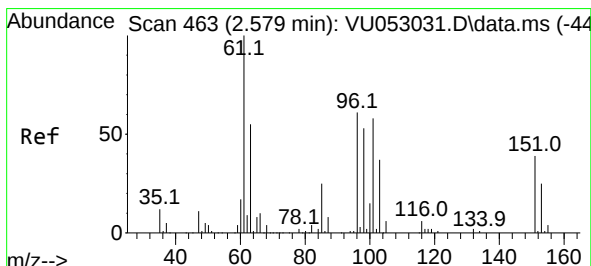
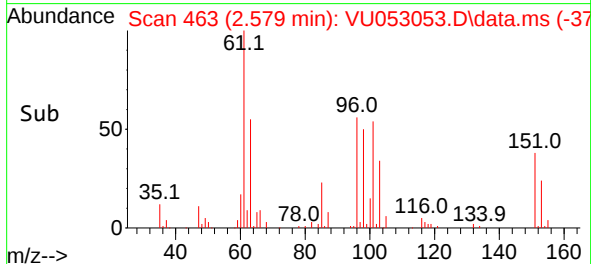
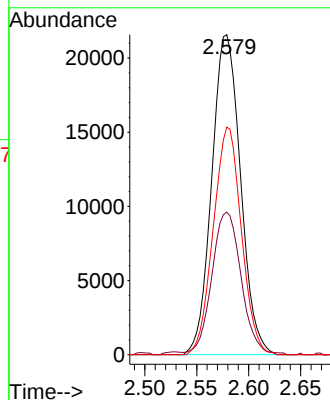
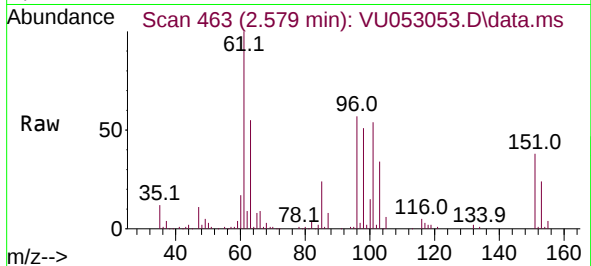




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.743 ug/L
 RT: 2.579 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VU053053.D
 Acq: 11 Feb 2023 16:54

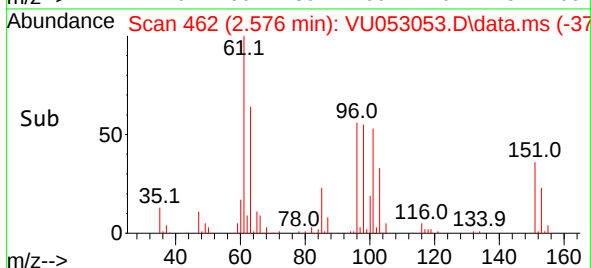
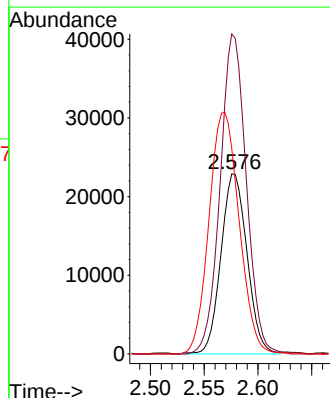
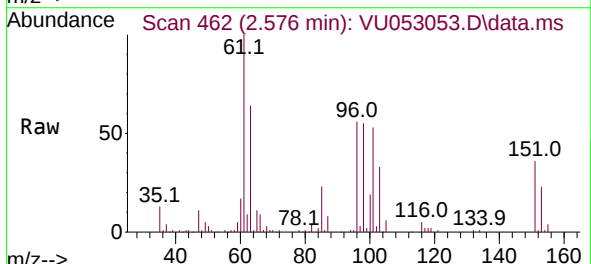
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005137

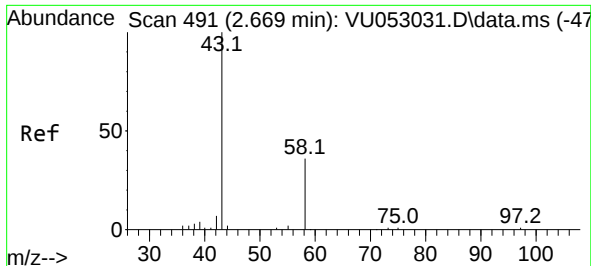
Tgt Ion:101 Resp: 41506
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.8 55.2
 151 69.5 53.8 80.8



#12
 1,1-Dichloroethene
 Concen: 4.768 ug/L
 RT: 2.576 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VU053053.D
 Acq: 11 Feb 2023 16:54

Tgt Ion: 96 Resp: 38621
 Ion Ratio Lower Upper
 96 100
 61 177.8 115.1 213.7
 63 114.3 63.6 118.0





#13

Acetone

Concen: 12.424 ug/L

RT: 2.675 min Scan# 491

Delta R.T. 0.006 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

Instrument :

MSVOA_U

ClientSampleId :

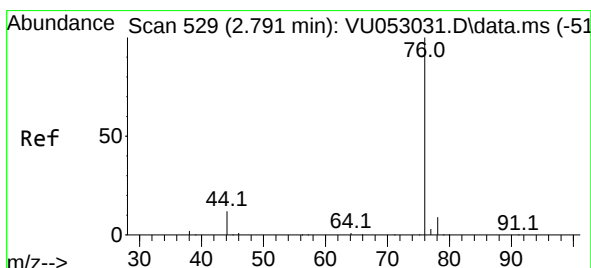
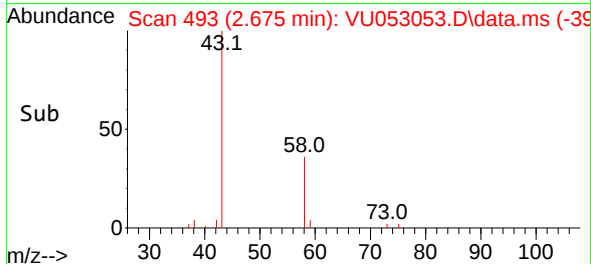
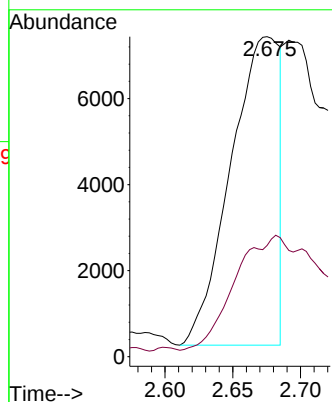
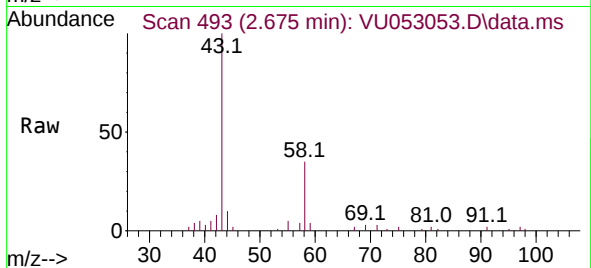
VSTD005137

Tgt Ion: 43 Resp: 17914

Ion Ratio Lower Upper

43 100

58 42.1 0.0 19.6#



#14

Carbon disulfide

Concen: 4.886 ug/L

RT: 2.791 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU053053.D

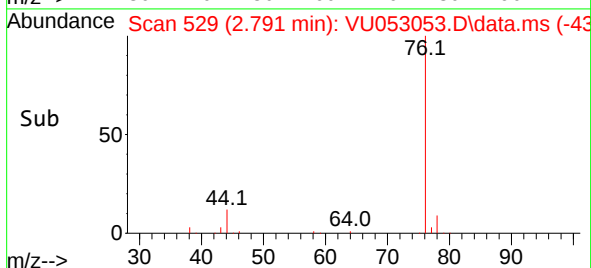
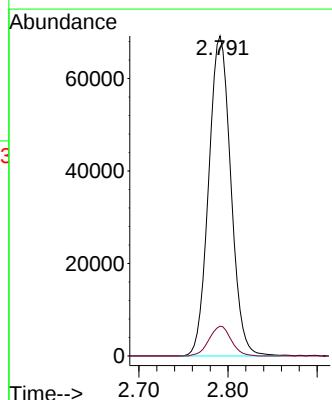
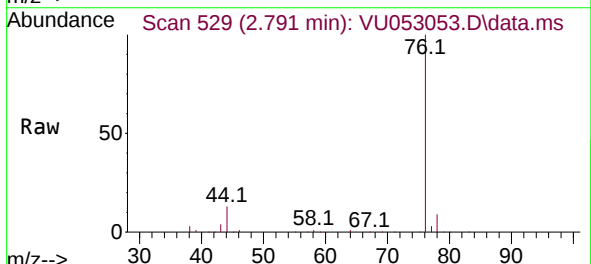
Acq: 11 Feb 2023 16:54

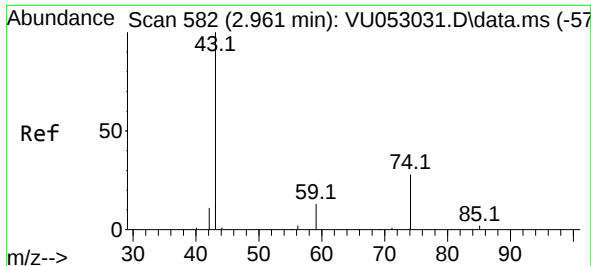
Tgt Ion: 76 Resp: 119492

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3





#15

Methyl Acetate

Concen: 4.469 ug/L

RT: 2.965 min Scan# 582

Delta R.T. 0.003 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

Instrument :

MSVOA_U

ClientSampleId :

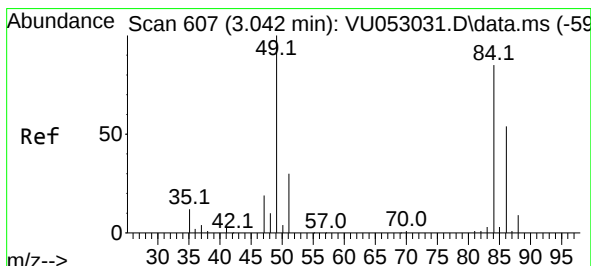
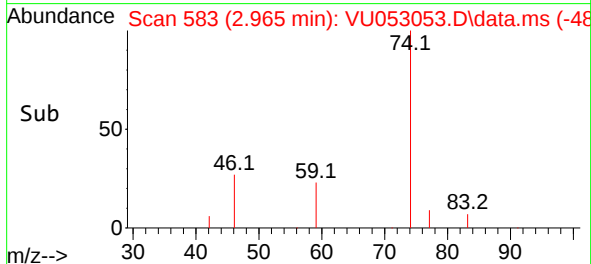
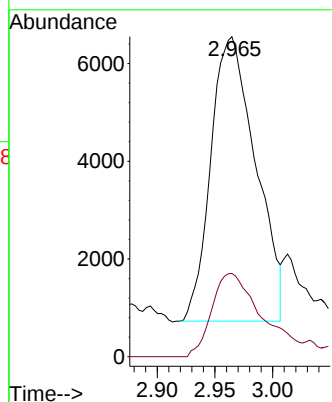
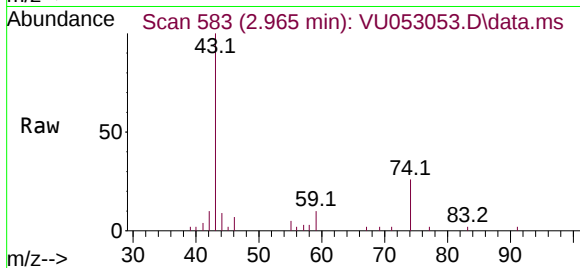
VSTD005137

Tgt Ion: 43 Resp: 15734

Ion Ratio Lower Upper

43 100

74 32.8 14.3 21.5#



#16

Methylene chloride

Concen: 5.442 ug/L

RT: 3.042 min Scan# 607

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

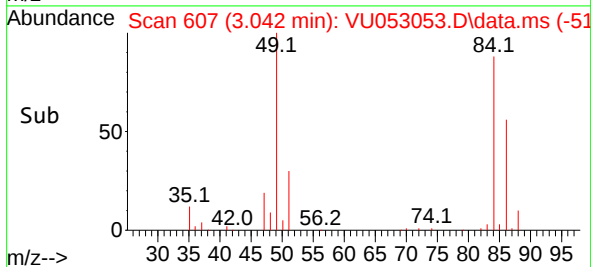
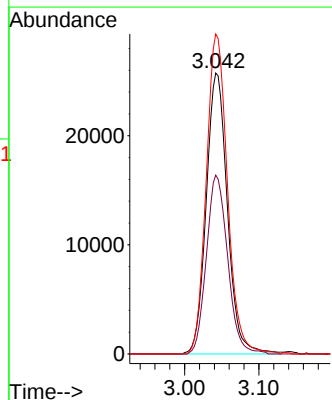
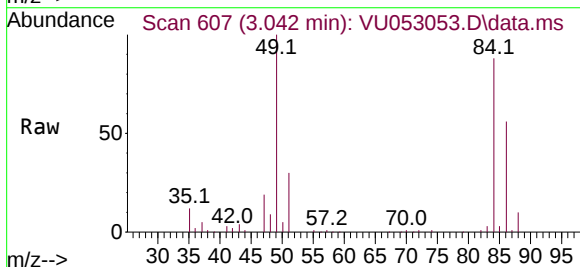
Tgt Ion: 84 Resp: 50990

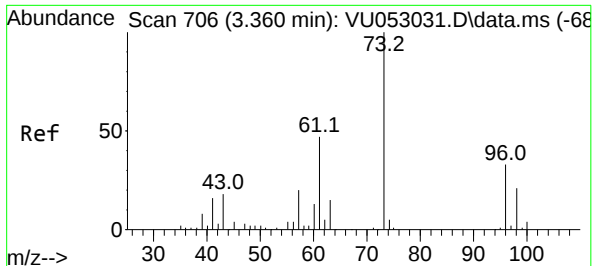
Ion Ratio Lower Upper

84 100

86 63.7 44.9 83.3

49 113.9 82.6 153.4





#17

Methyl tert-butyl Ether

Concen: 4.836 ug/L

RT: 3.363 min Scan# 706

Delta R.T. 0.003 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005137

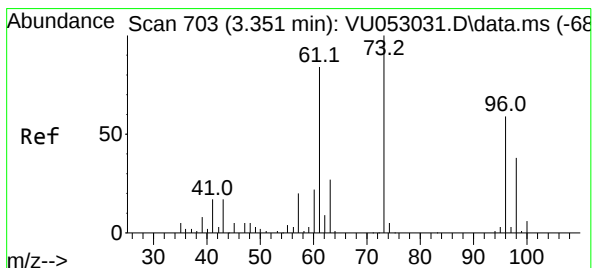
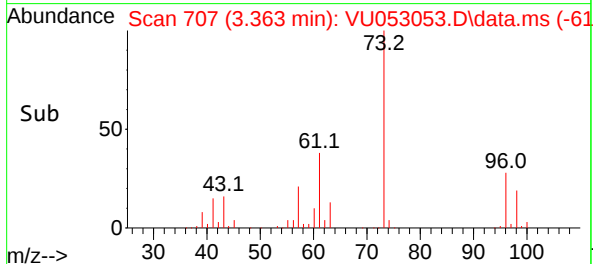
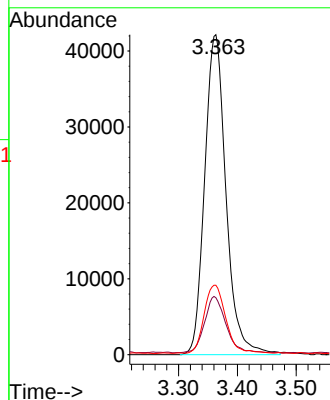
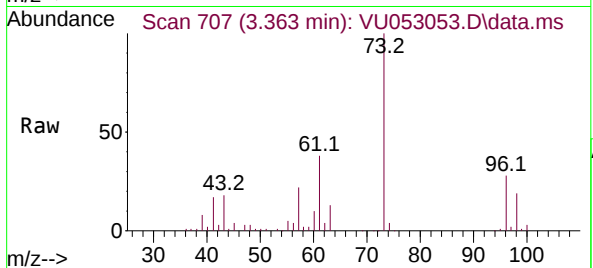
Tgt Ion: 73 Resp: 106367

Ion Ratio Lower Upper

73 100

43 17.6 14.6 21.8

57 21.0 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 4.680 ug/L

RT: 3.350 min Scan# 703

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

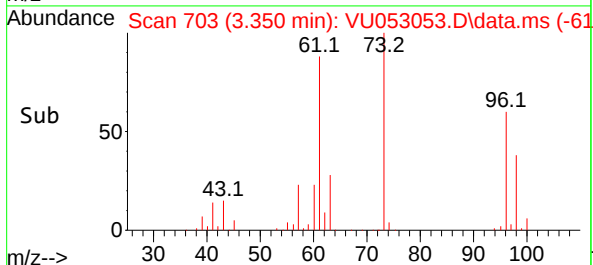
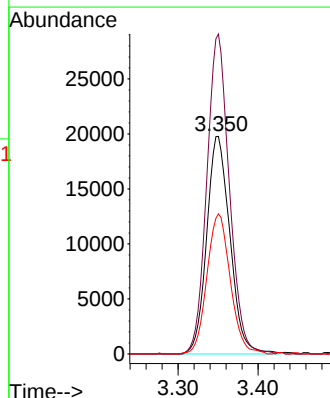
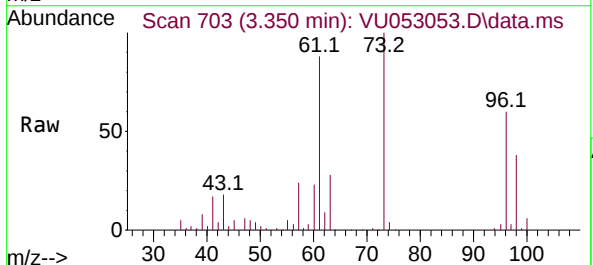
Tgt Ion: 96 Resp: 40109

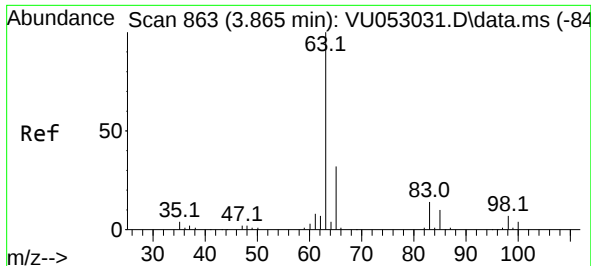
Ion Ratio Lower Upper

96 100

61 147.0 99.5 184.9

98 64.4 44.8 83.2





#19

1,1-Dichloroethane

Concen: 4.853 ug/L

RT: 3.865 min Scan# 863

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005137

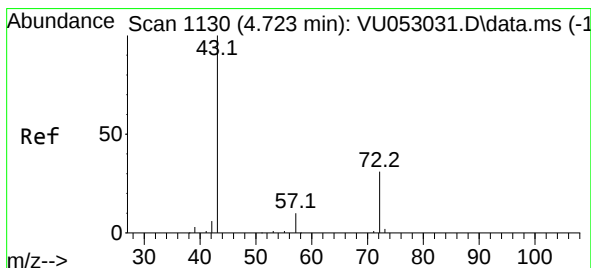
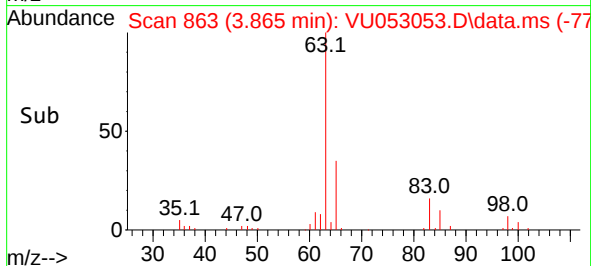
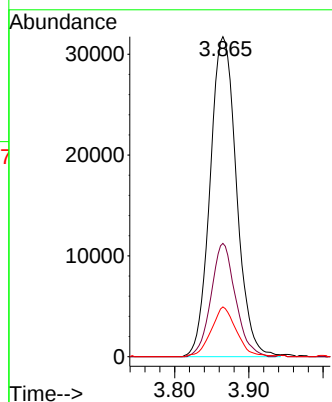
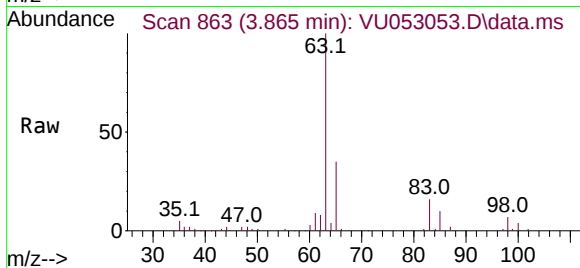
Tgt Ion: 63 Resp: 78332

Ion Ratio Lower Upper

63 100

65 35.4 22.3 41.3

83 15.5 9.8 18.2



#21

2-Butanone

Concen: 44.292 ug/L

RT: 4.727 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VU053053.D

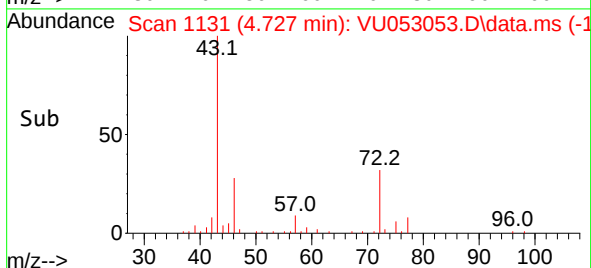
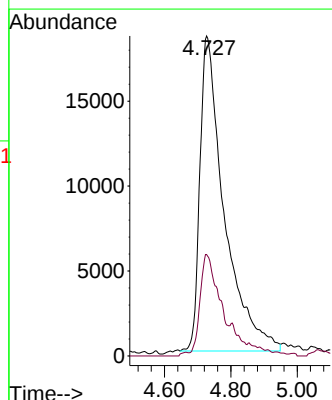
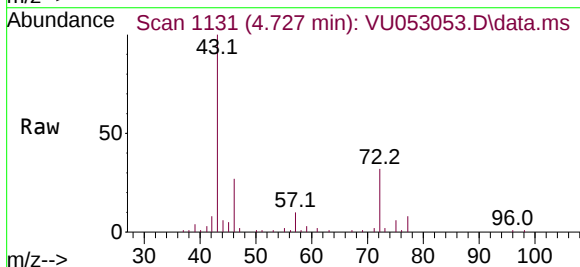
Acq: 11 Feb 2023 16:54

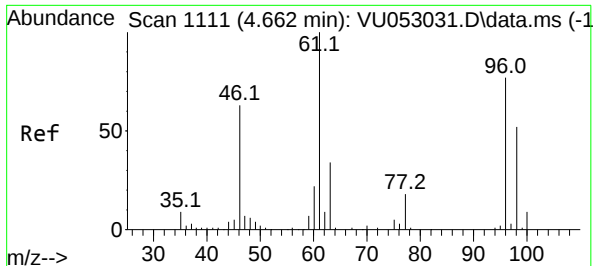
Tgt Ion: 43 Resp: 94347

Ion Ratio Lower Upper

43 100

72 23.5 14.5 43.5

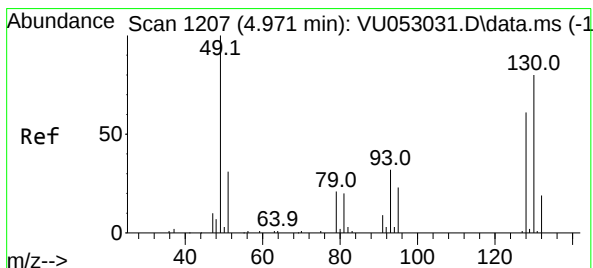
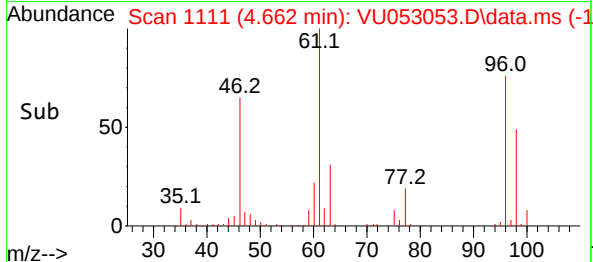
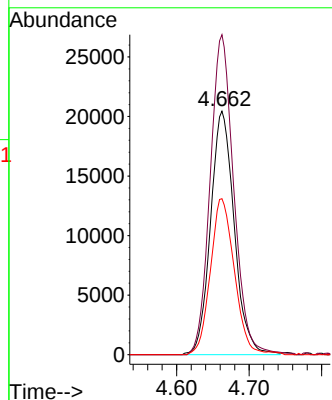
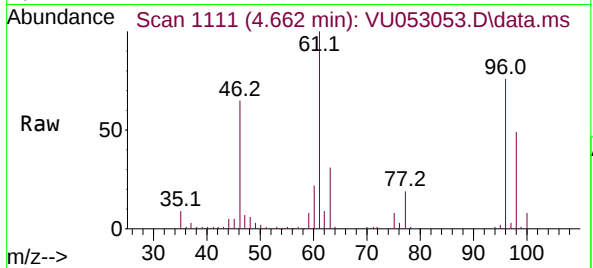




#22
 cis-1,2-Dichloroethene
 Concen: 4.800 ug/L
 RT: 4.662 min Scan# 1111
 Delta R.T. -0.000 min
 Lab File: VU053053.D
 Acq: 11 Feb 2023 16:54

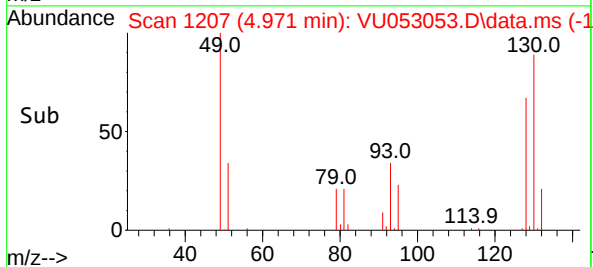
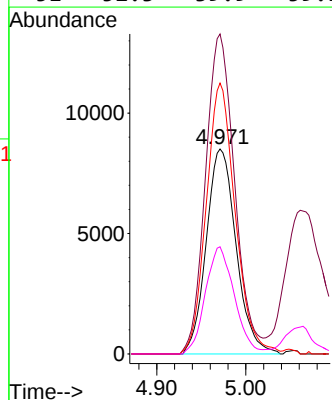
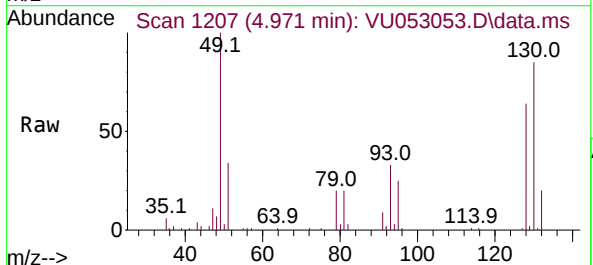
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005137

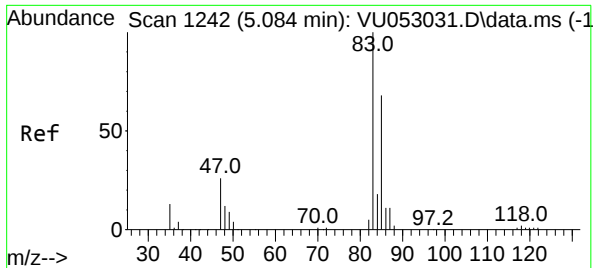
Tgt Ion: 96 Resp: 46429
 Ion Ratio Lower Upper
 96 100
 61 131.4 90.9 168.9
 98 64.0 47.0 87.4



#23
 Bromochloromethane
 Concen: 5.171 ug/L
 RT: 4.971 min Scan# 1207
 Delta R.T. -0.000 min
 Lab File: VU053053.D
 Acq: 11 Feb 2023 16:54

Tgt Ion: 128 Resp: 19806
 Ion Ratio Lower Upper
 128 100
 49 156.2 114.2 212.0
 130 132.2 91.6 170.2
 51 52.3 39.9 59.9

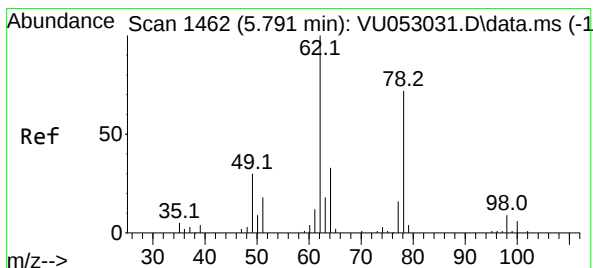
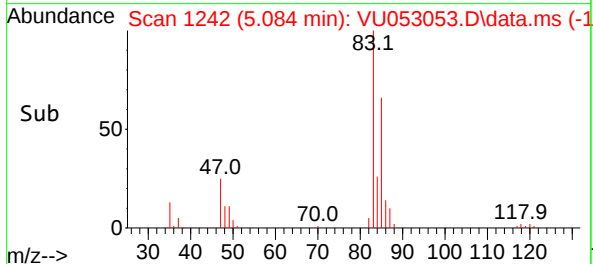
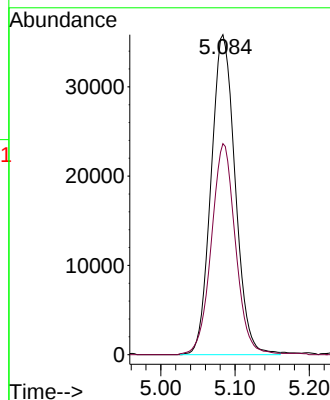
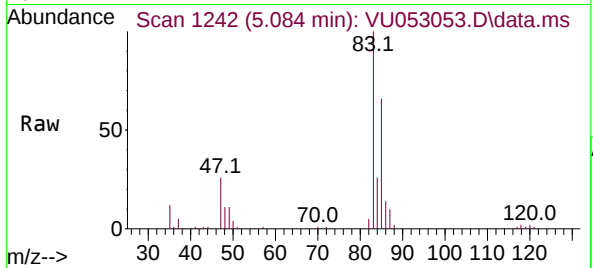




#25
Chloroform
Concen: 4.793 ug/L
RT: 5.084 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

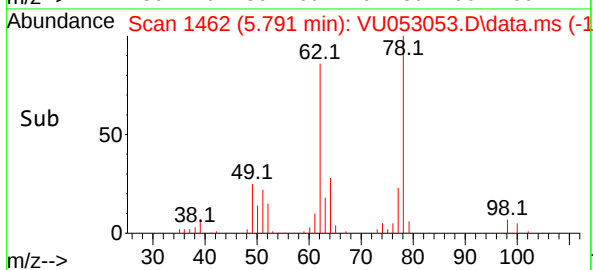
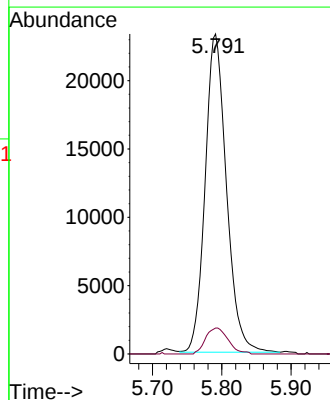
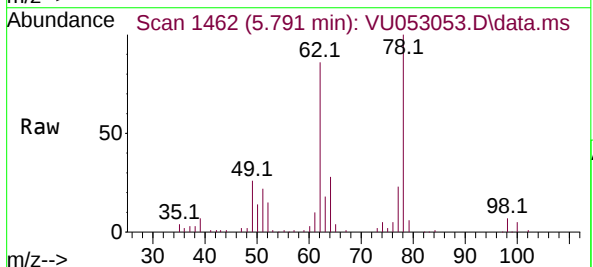
Instrument :
MSVOA_U
ClientSampleId :
VSTD005137

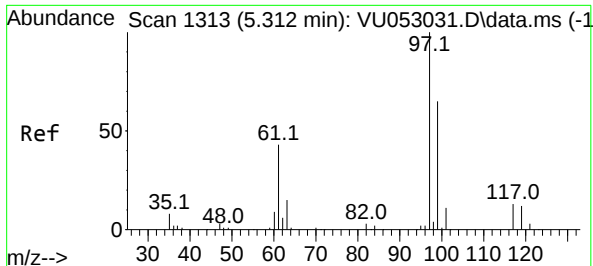
Tgt Ion: 83 Resp: 80879
Ion Ratio Lower Upper
83 100
85 66.0 47.7 88.5



#27
1,2-Dichloroethane
Concen: 4.790 ug/L
RT: 5.791 min Scan# 1462
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Tgt Ion: 62 Resp: 49689
Ion Ratio Lower Upper
62 100
98 8.1 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 5.053 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005137

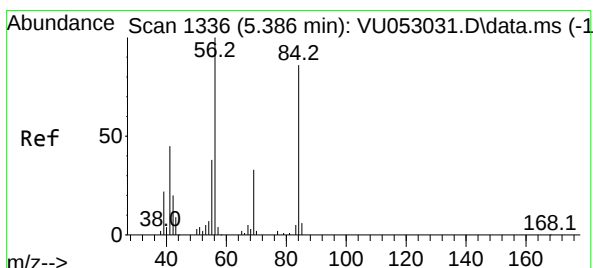
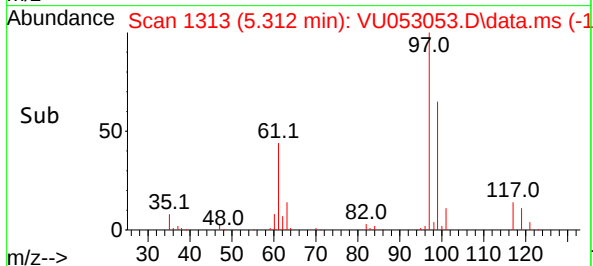
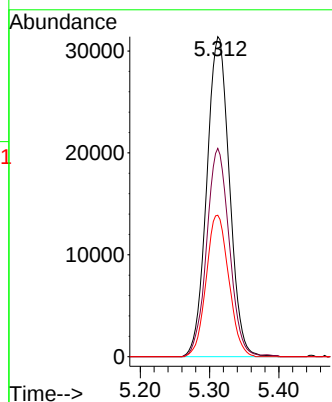
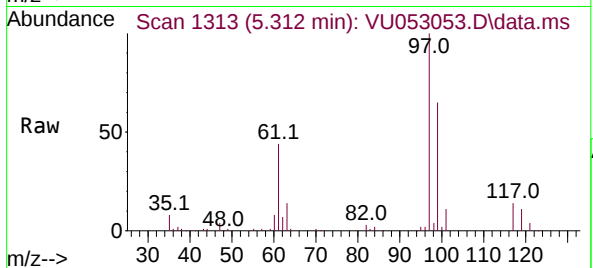
Tgt Ion: 97 Resp: 71313

Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.6

61 44.2 34.2 51.4



#30

Cyclohexane

Concen: 4.993 ug/L

RT: 5.386 min Scan# 1336

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

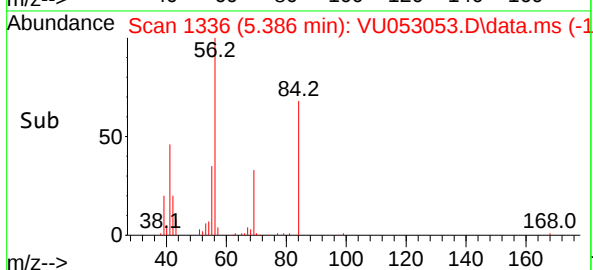
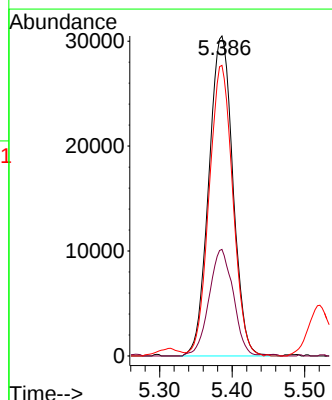
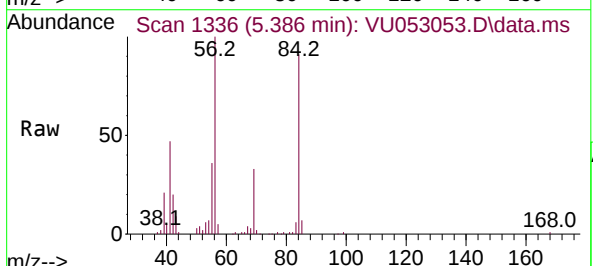
Tgt Ion: 56 Resp: 70463

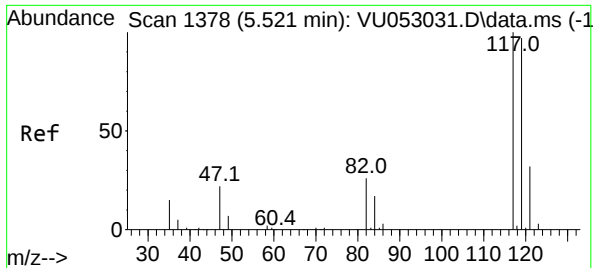
Ion Ratio Lower Upper

56 100

69 33.5 27.0 40.6

84 89.3 70.8 106.2

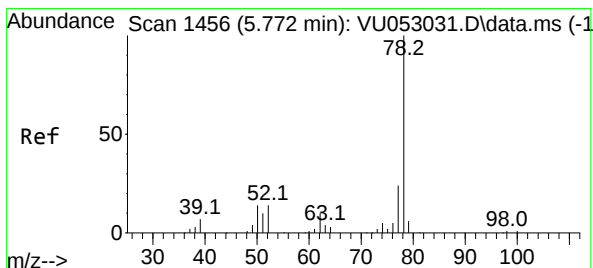
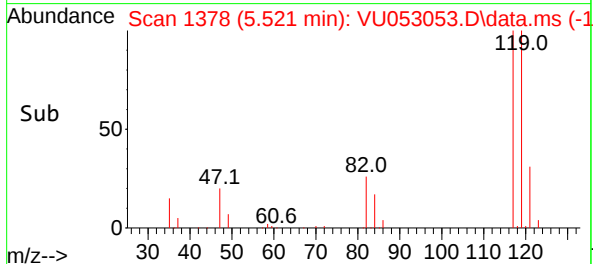
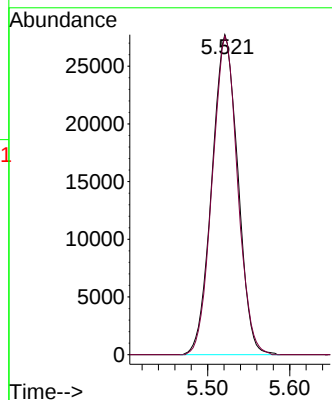
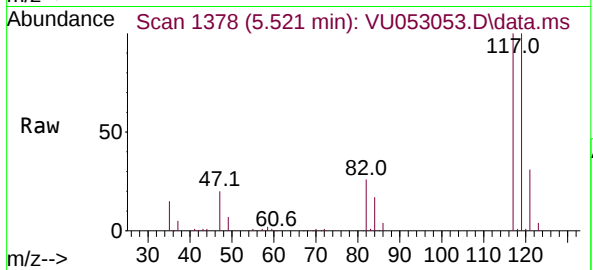




#31
Carbon tetrachloride
Concen: 5.175 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

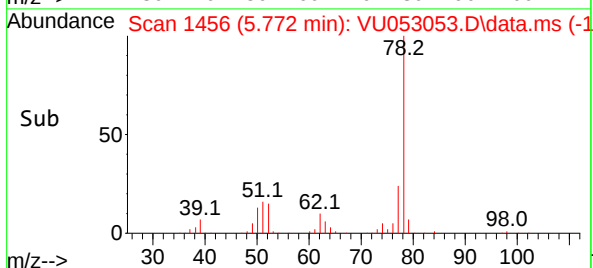
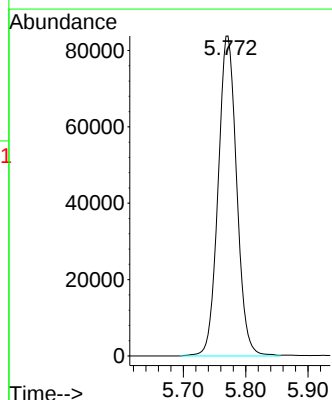
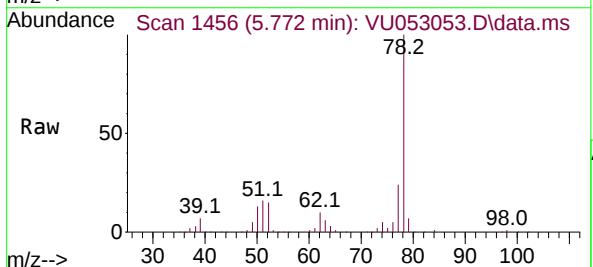
Instrument :
MSVOA_U
ClientSampleId :
VSTD005137

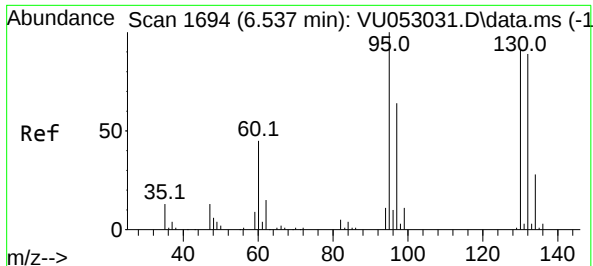
Tgt Ion:117 Resp: 60959
Ion Ratio Lower Upper
117 100
119 97.1 75.4 113.0



#33
Benzene
Concen: 5.084 ug/L
RT: 5.772 min Scan# 1456
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Tgt Ion: 78 Resp: 173073



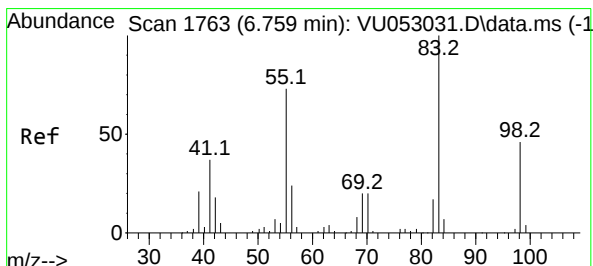
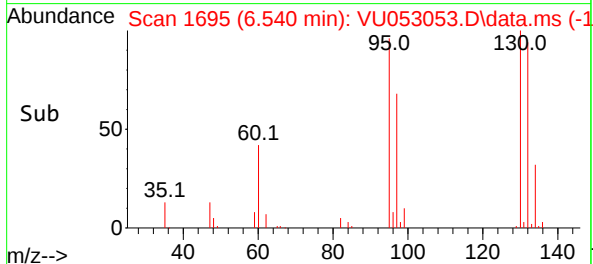
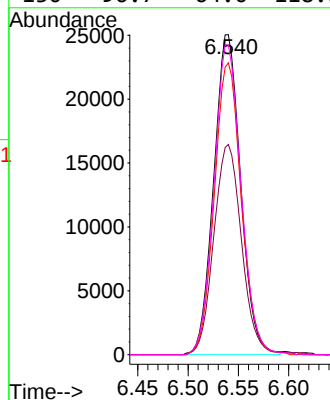
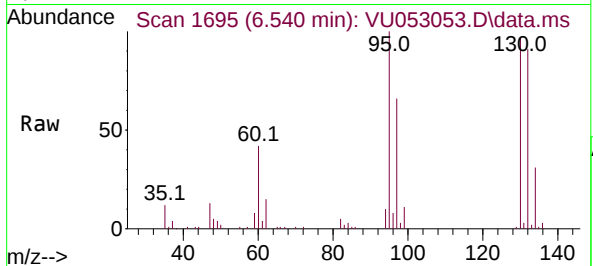


#34
Trichloroethene
Concen: 4.864 ug/L
RT: 6.540 min Scan# 1695
Delta R.T. 0.003 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD005137

Tgt Ion: 95 Resp: 46596

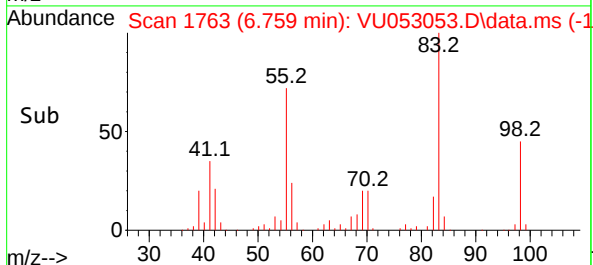
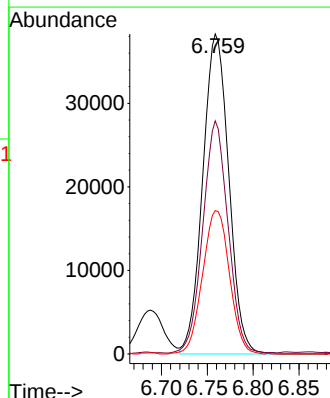
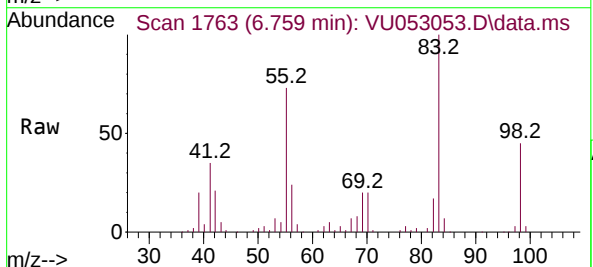
Ion	Ratio	Lower	Upper
95	100		
97	65.7	44.7	82.9
132	91.2	62.3	115.7
130	96.7	64.0	118.8

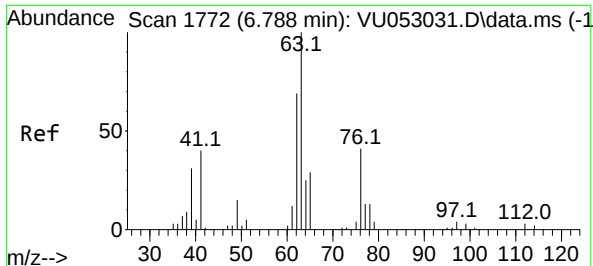


#35
Methylcyclohexane
Concen: 4.875 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Tgt Ion: 83 Resp: 75608

Ion	Ratio	Lower	Upper
83	100		
55	70.0	57.9	86.9
98	46.3	36.4	54.6

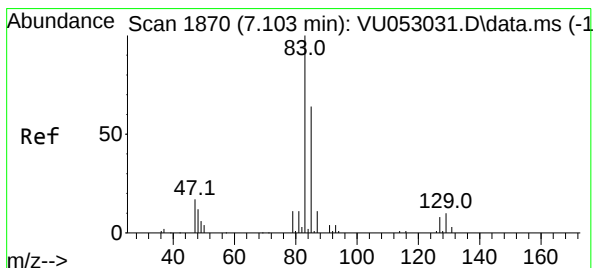
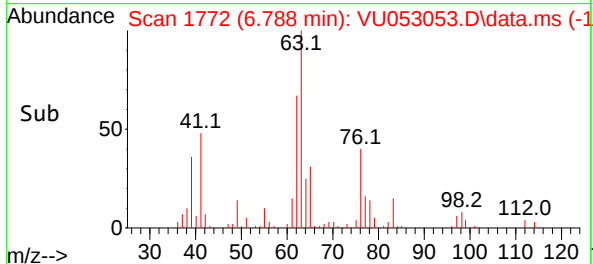
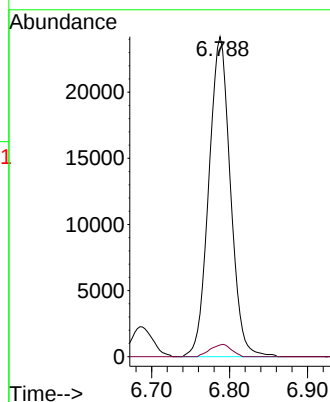
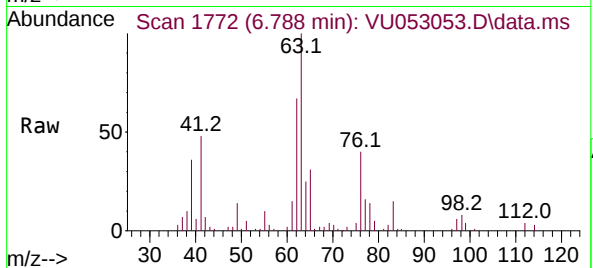




#37
1,2-Dichloropropane
Concen: 5.031 ug/L
RT: 6.788 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

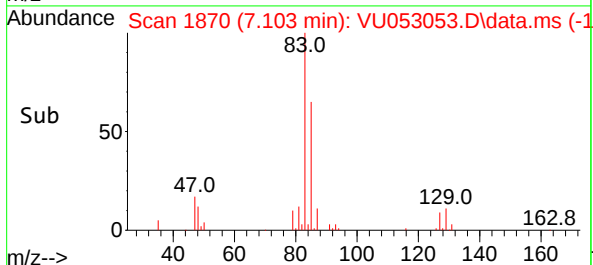
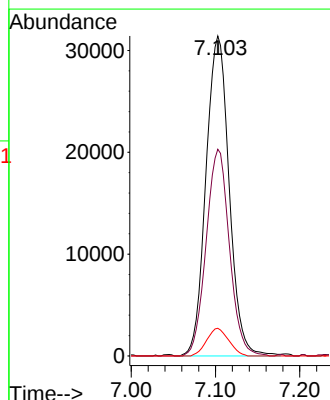
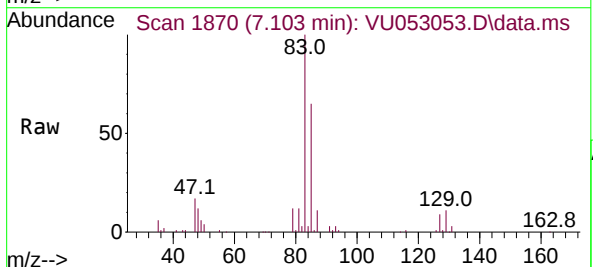
Instrument :
MSVOA_U
ClientSampleId :
VSTD005137

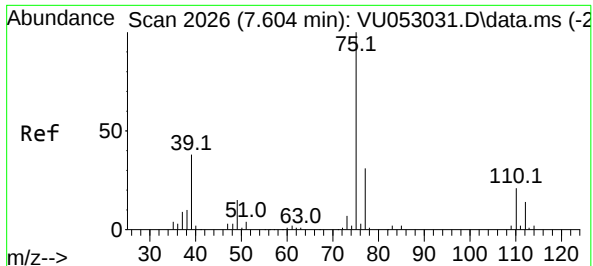
Tgt Ion: 63 Resp: 46638
Ion Ratio Lower Upper
63 100
112 3.7 2.7 4.1



#38
Bromodichloromethane
Concen: 5.011 ug/L
RT: 7.103 min Scan# 1870
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Tgt Ion: 83 Resp: 60233
Ion Ratio Lower Upper
83 100
85 64.6 44.7 82.9
127 8.7 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.742 ug/L

RT: 7.604 min Scan# 2026

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

Instrument :

MSVOA_U

ClientSampleId :

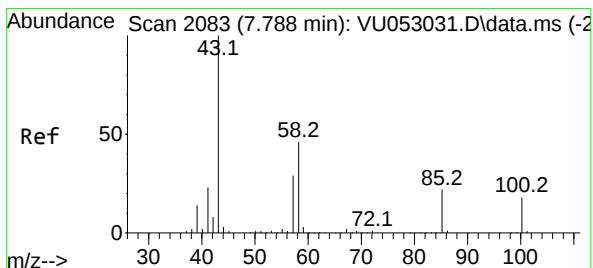
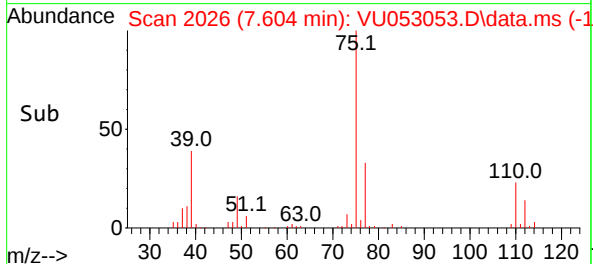
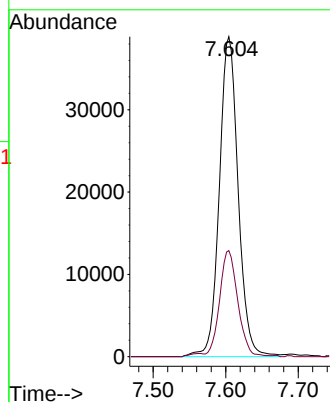
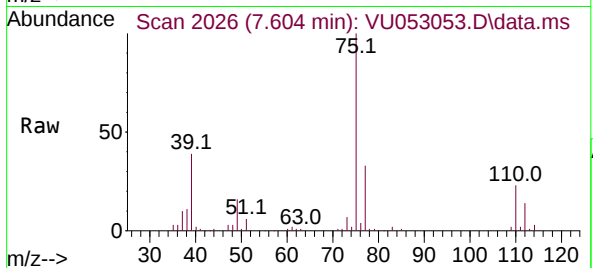
VSTD005137

Tgt Ion: 75 Resp: 70119

Ion Ratio Lower Upper

75 100

77 33.2 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 49.654 ug/L

RT: 7.791 min Scan# 2084

Delta R.T. 0.003 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

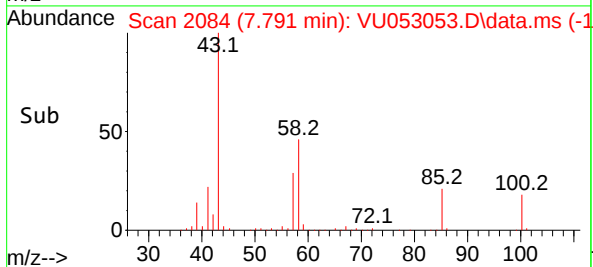
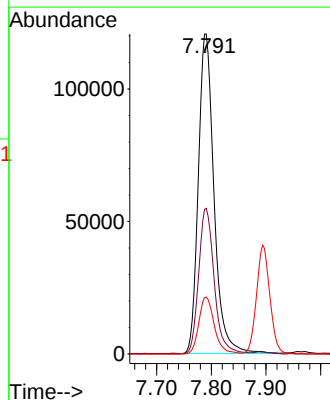
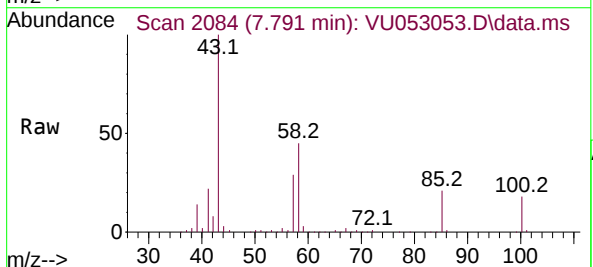
Tgt Ion: 43 Resp: 240276

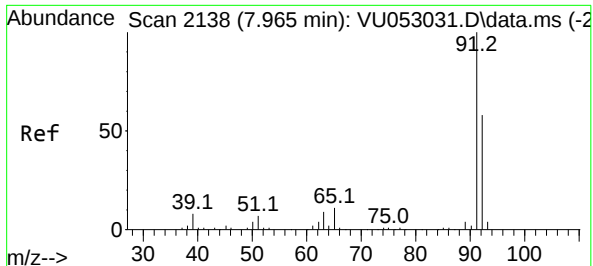
Ion Ratio Lower Upper

43 100

58 45.3 35.9 53.9

100 17.6 13.8 20.6





#42

Toluene

Concen: 5.109 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

Instrument :

MSVOA_U

ClientSampleId :

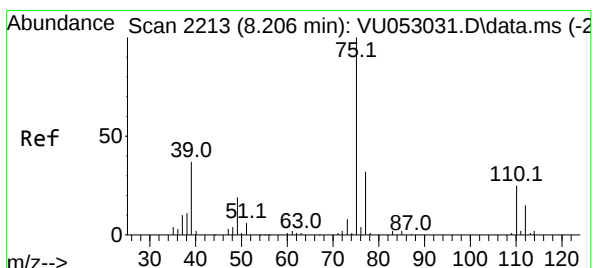
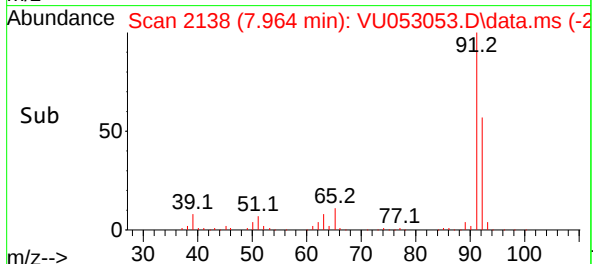
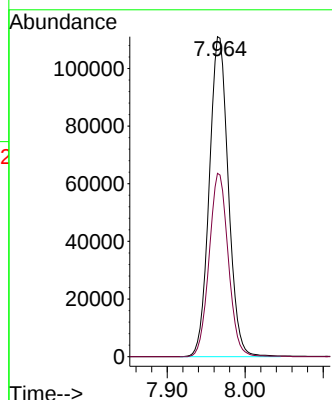
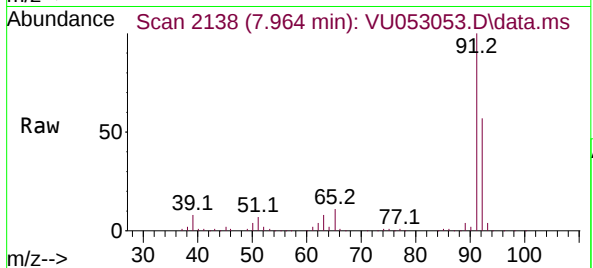
VSTD005137

Tgt Ion: 91 Resp: 188923

Ion Ratio Lower Upper

91 100

92 57.3 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.775 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. -0.000 min

Lab File: VU053053.D

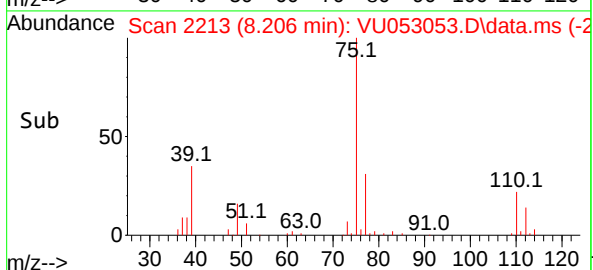
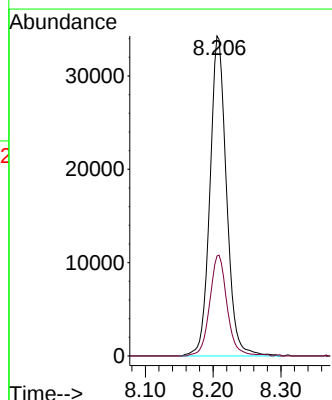
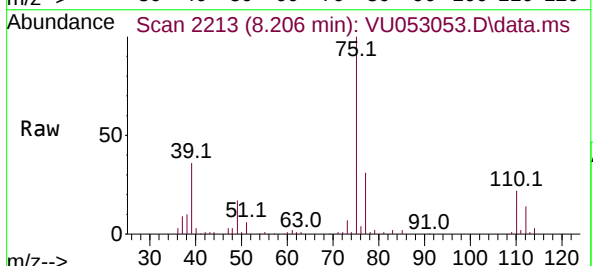
Acq: 11 Feb 2023 16:54

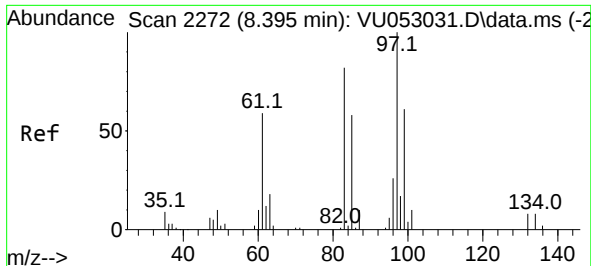
Tgt Ion: 75 Resp: 58241

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.3



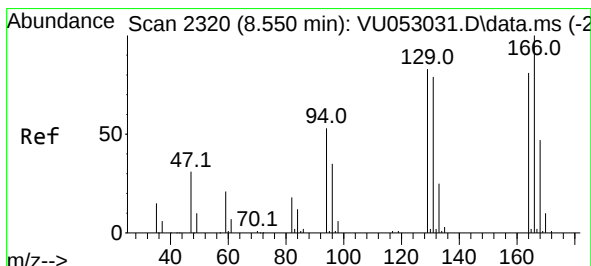
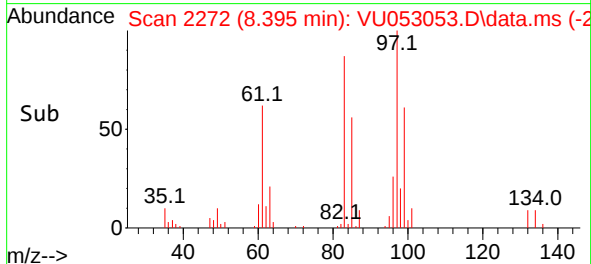
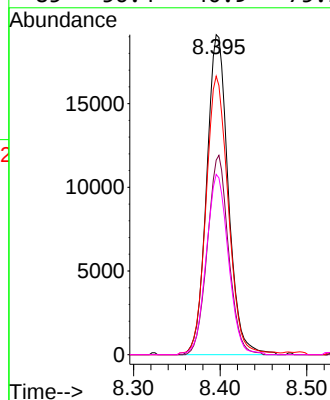
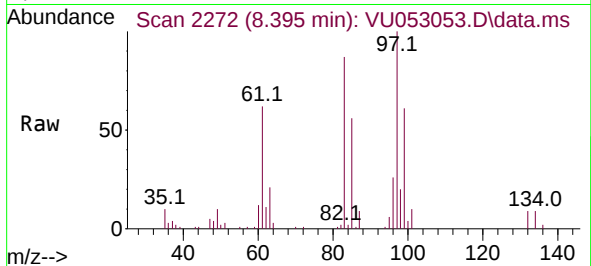


#45
1,1,2-Trichloroethane
Concen: 4.956 ug/L
RT: 8.395 min Scan# 2272
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD005137

Tgt Ion: 97 Resp: 33098

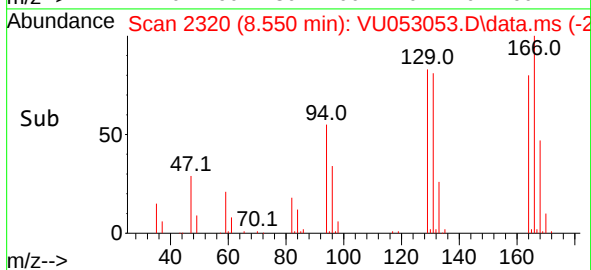
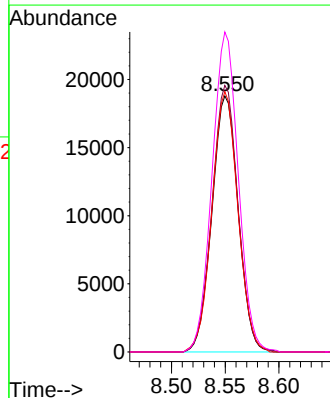
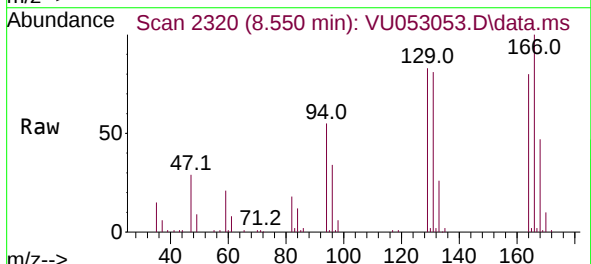
Ion	Ratio	Lower	Upper
97	100		
99	60.8	43.0	79.8
83	87.1	58.0	107.8
85	56.4	40.9	75.9

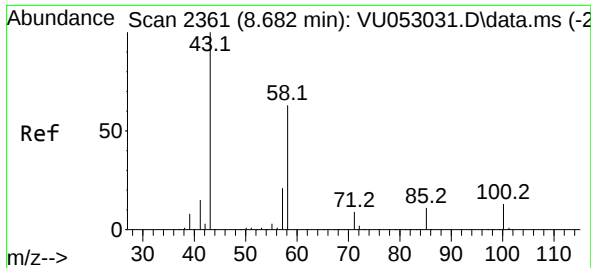


#47
Tetrachloroethene
Concen: 5.124 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Tgt Ion: 164 Resp: 31904

Ion	Ratio	Lower	Upper
164	100		
129	104.1	71.7	133.1
131	101.7	67.8	126.0
166	125.0	86.4	160.4

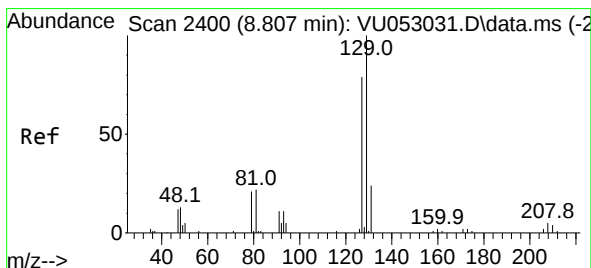
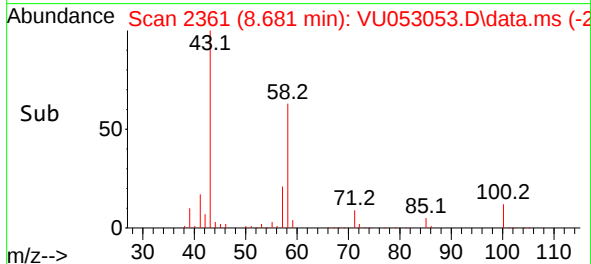
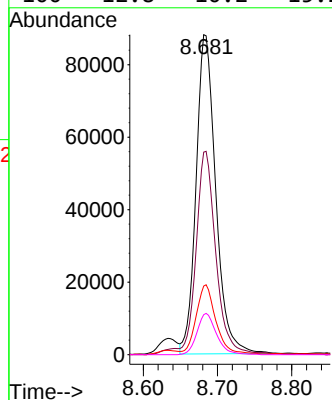
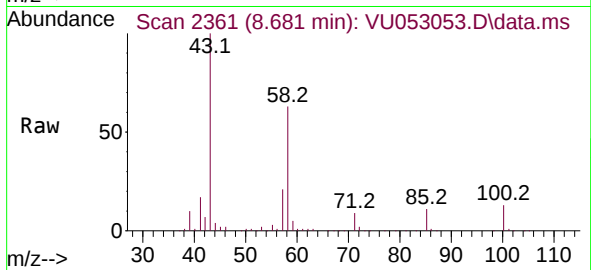




#48
2-Hexanone
Concen: 45.808 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

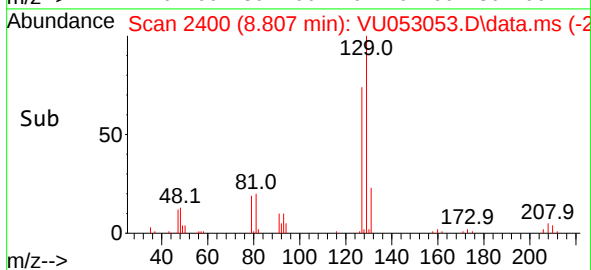
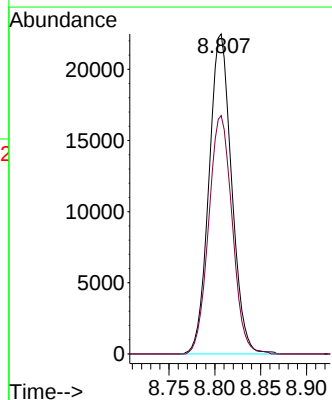
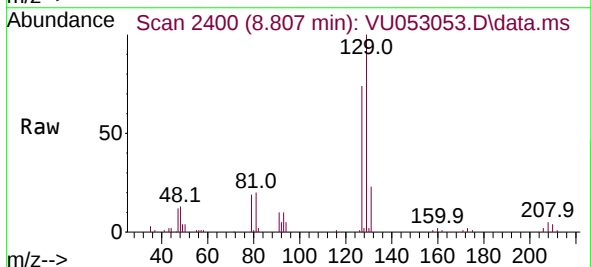
Instrument :
MSVOA_U
ClientSampleId :
VSTD005137

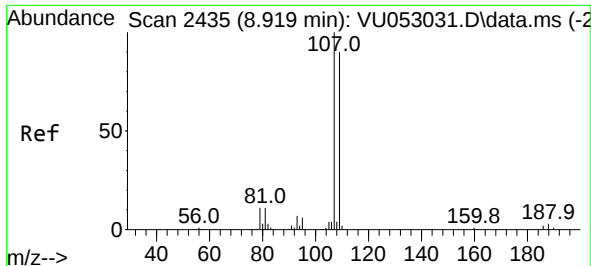
Tgt Ion:	43	Resp:	162690
Ion	Ratio	Lower	Upper
43	100		
58	65.5	50.3	75.5
57	21.7	17.4	26.0
100	12.8	10.2	15.2



#49
Dibromochloromethane
Concen: 5.309 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Tgt Ion:	129	Resp:	38661
Ion	Ratio	Lower	Upper
129	100		
127	74.5	54.9	102.1





#50

1,2-Dibromoethane

Concen: 5.249 ug/L

RT: 8.919 min Scan# 2435

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005137

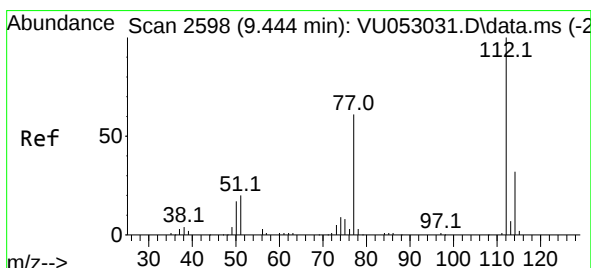
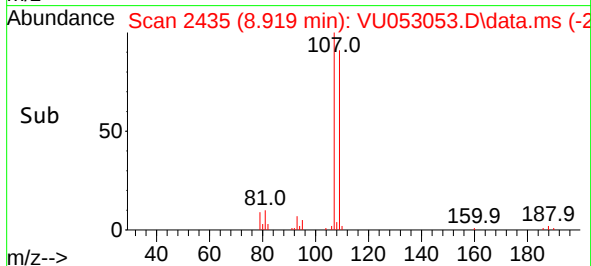
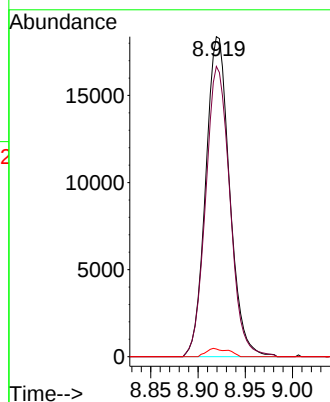
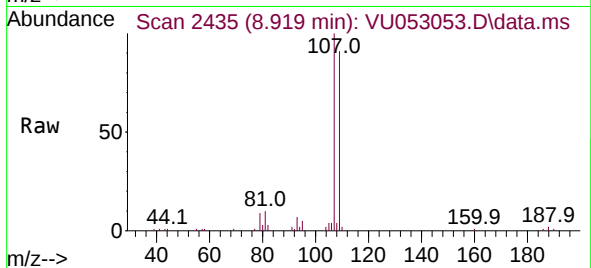
Tgt Ion:107 Resp: 32345

Ion Ratio Lower Upper

107 100

109 90.7 63.1 117.1

188 2.4 2.5 3.7#



#51

Chlorobenzene

Concen: 5.083 ug/L

RT: 9.443 min Scan# 2598

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

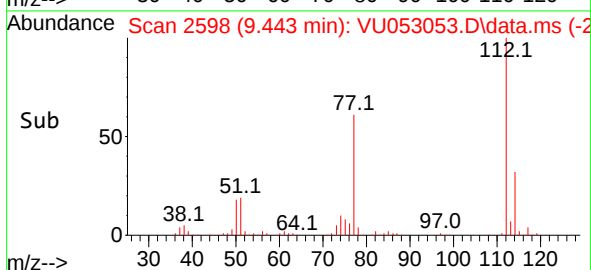
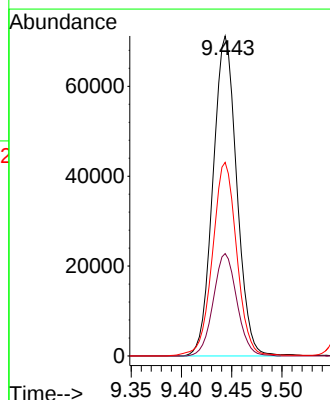
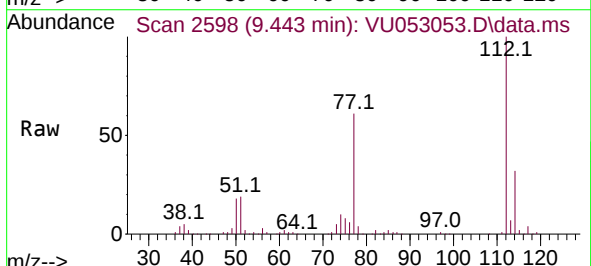
Tgt Ion:112 Resp: 117263

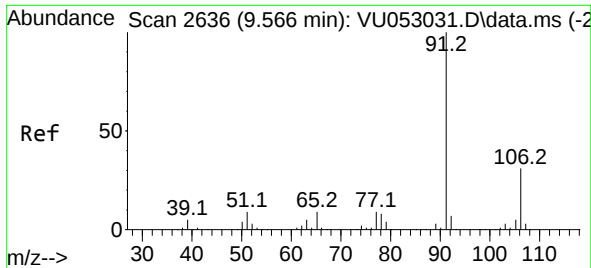
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.3

77 60.5 48.9 73.3

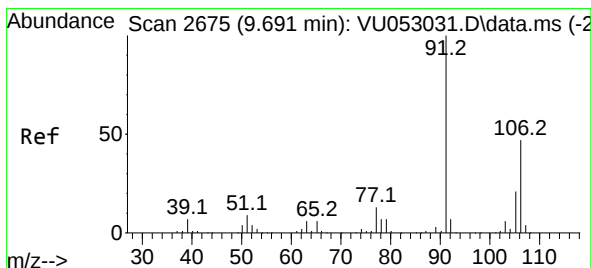
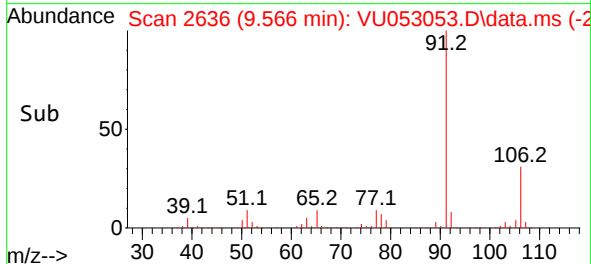
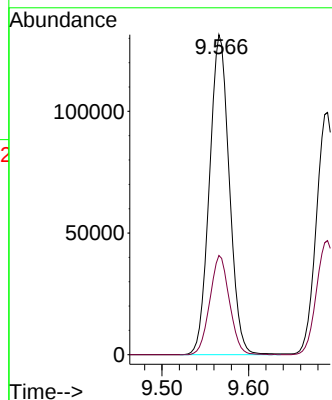
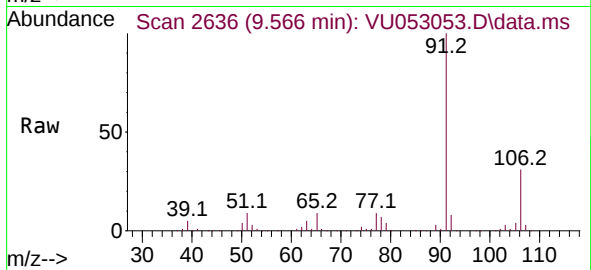




#52
Ethylbenzene
Concen: 4.983 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

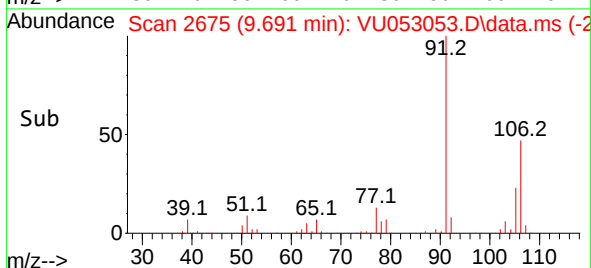
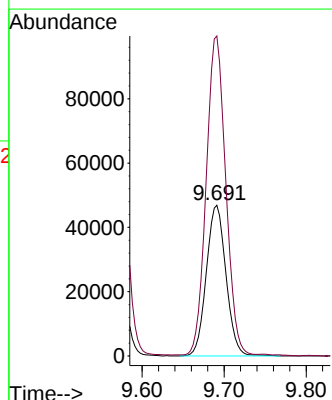
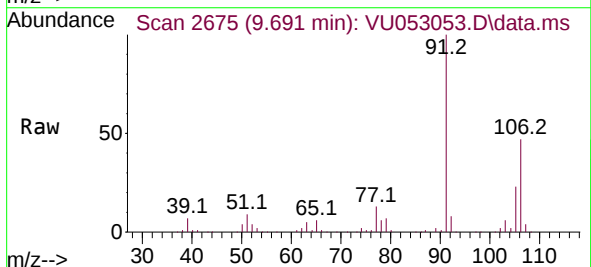
Instrument :
MSVOA_U
ClientSampleId :
VSTD005137

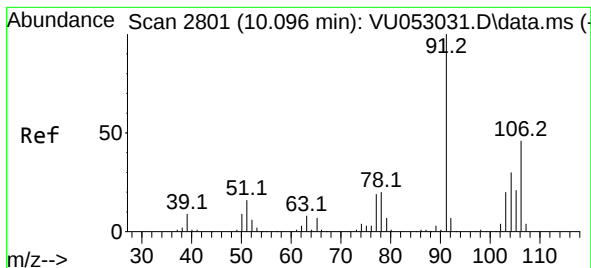
Tgt Ion: 91 Resp: 209115
Ion Ratio Lower Upper
91 100
106 31.0 21.4 39.8



#53
m,p-Xylene
Concen: 4.975 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Tgt Ion: 106 Resp: 78067
Ion Ratio Lower Upper
106 100
91 212.3 149.9 278.3





#54

o-Xylene

Concen: 5.049 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

Instrument :

MSVOA_U

ClientSampleId :

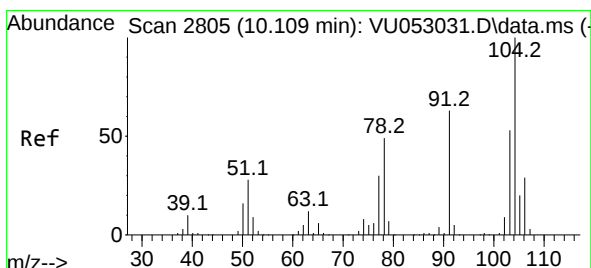
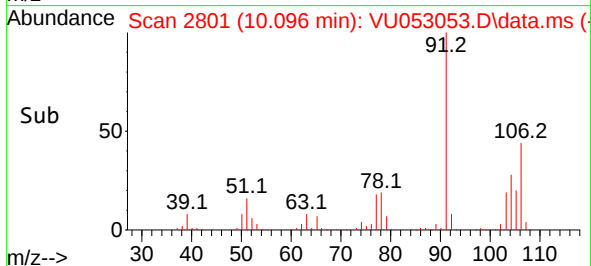
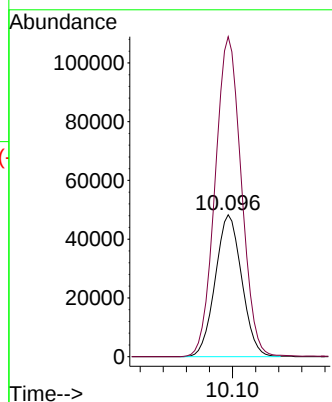
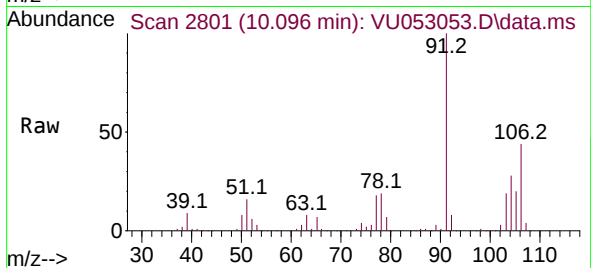
VSTD005137

Tgt Ion:106 Resp: 76797

Ion Ratio Lower Upper

106 100

91 225.5 153.6 285.2



#55

Styrene

Concen: 5.062 ug/L

RT: 10.112 min Scan# 2806

Delta R.T. 0.003 min

Lab File: VU053053.D

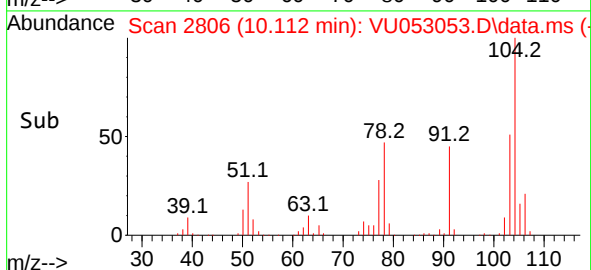
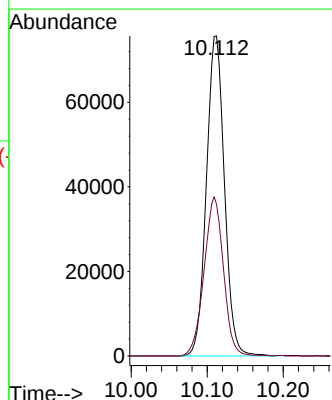
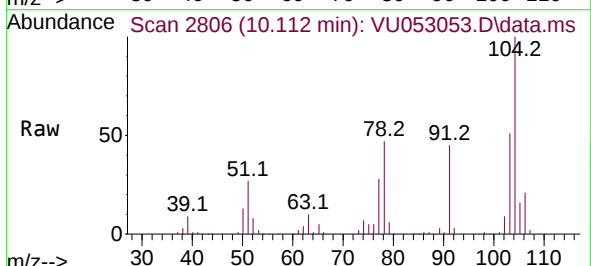
Acq: 11 Feb 2023 16:54

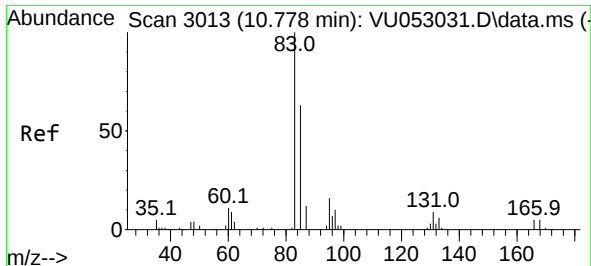
Tgt Ion:104 Resp: 124918

Ion Ratio Lower Upper

104 100

78 47.4 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.979 ug/L

RT: 10.778 min Scan# 3013

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005137

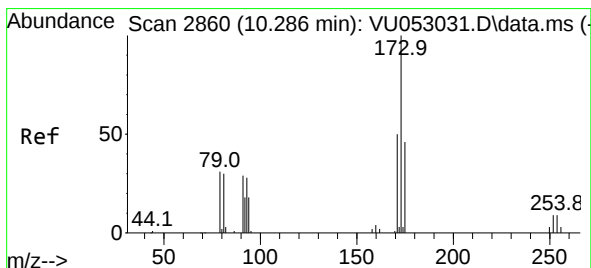
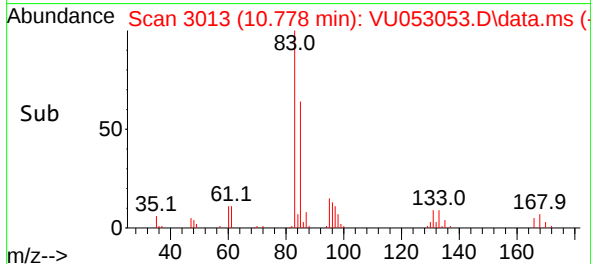
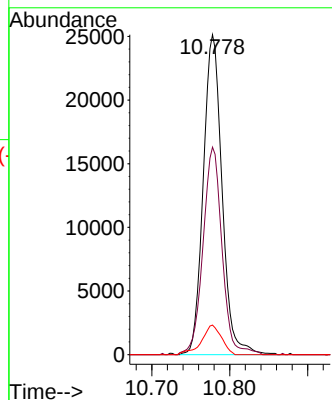
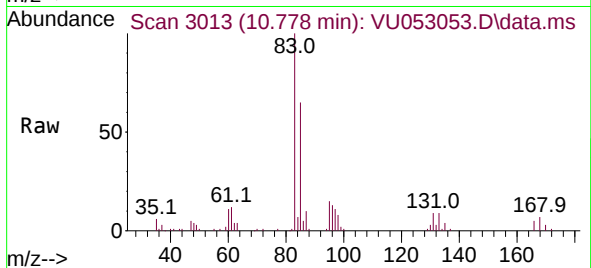
Tgt Ion: 83 Resp: 42075

Ion Ratio Lower Upper

83 100

85 64.8 44.7 82.9

131 9.2 7.8 11.6



#59

Bromoform

Concen: 5.254 ug/L

RT: 10.286 min Scan# 2860

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

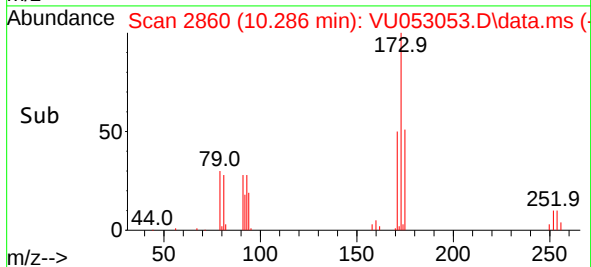
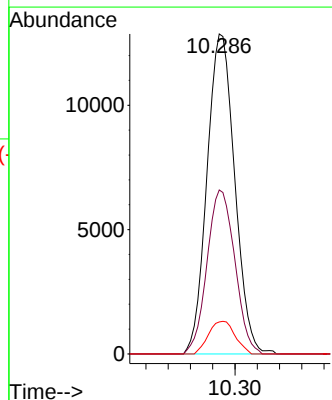
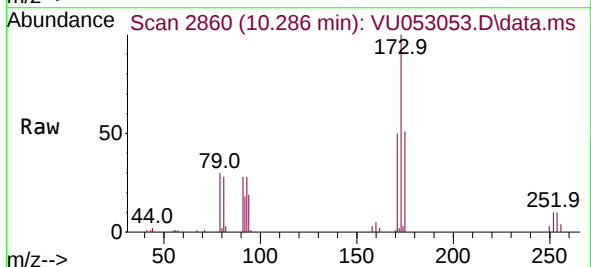
Tgt Ion:173 Resp: 22235

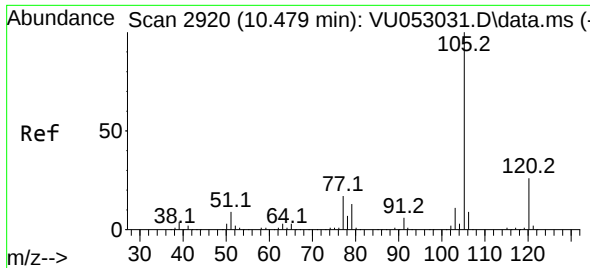
Ion Ratio Lower Upper

173 100

175 51.4 38.9 58.3

254 9.8 7.0 10.4

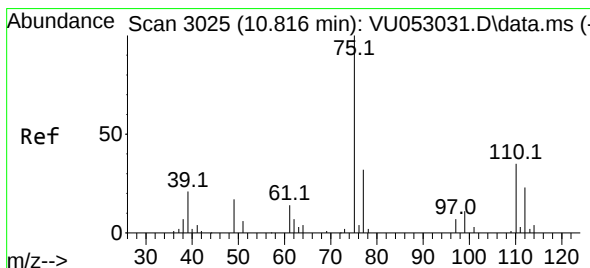
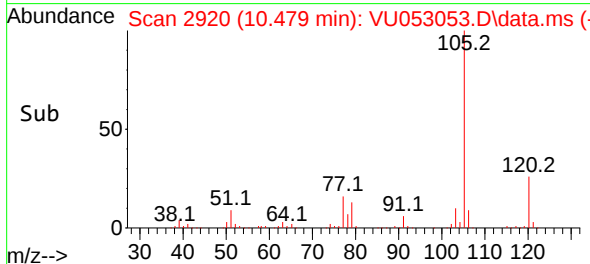
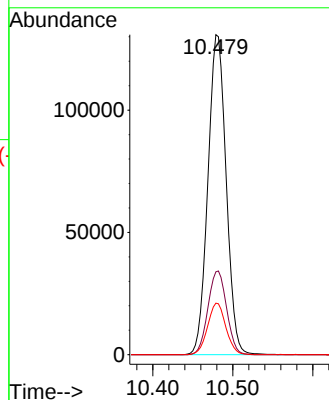
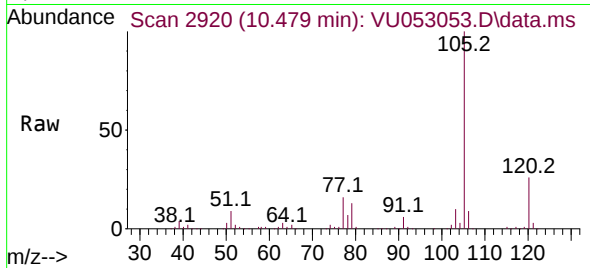




#60
Isopropylbenzene
Concen: 4.930 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

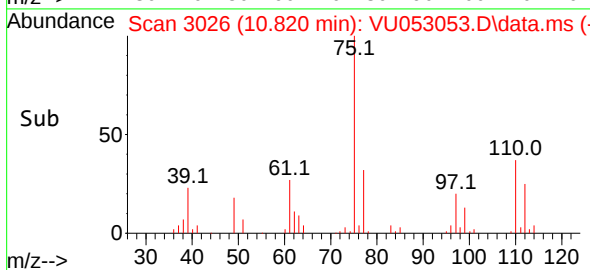
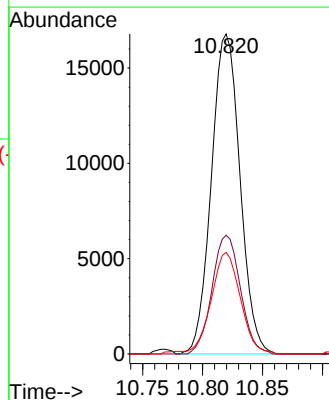
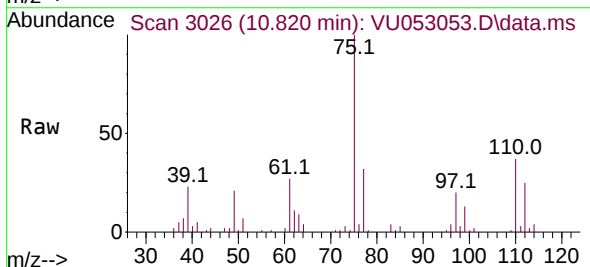
Instrument :
MSVOA_U
ClientSampleId :
VSTD005137

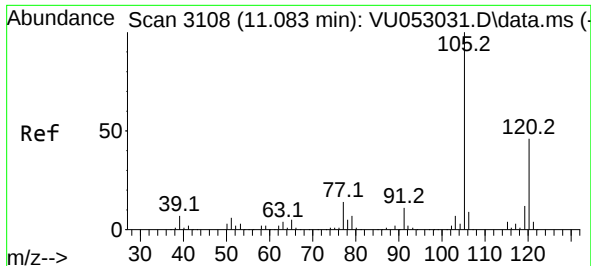
Tgt Ion:105 Resp: 207664
Ion Ratio Lower Upper
105 100
120 26.7 20.6 31.0
77 16.1 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.983 ug/L
RT: 10.820 min Scan# 3026
Delta R.T. 0.003 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Tgt Ion: 75 Resp: 27860
Ion Ratio Lower Upper
75 100
110 36.7 28.6 42.8
77 32.8 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 4.908 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

Instrument :

MSVOA_U

ClientSampleId :

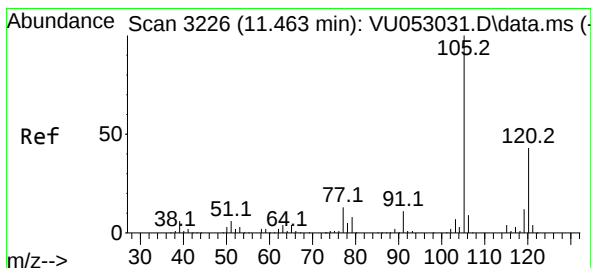
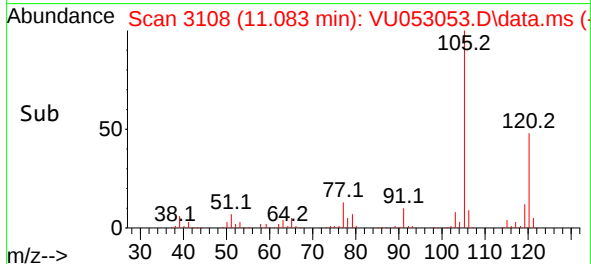
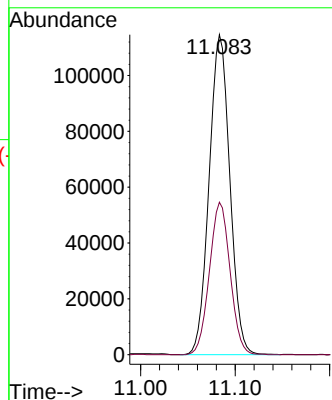
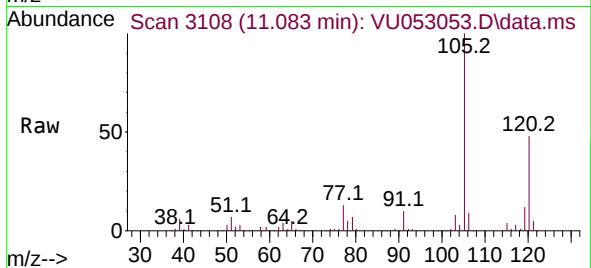
VSTD005137

Tgt Ion:105 Resp: 174588

Ion Ratio Lower Upper

105 100

120 47.5 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 4.983 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. -0.000 min

Lab File: VU053053.D

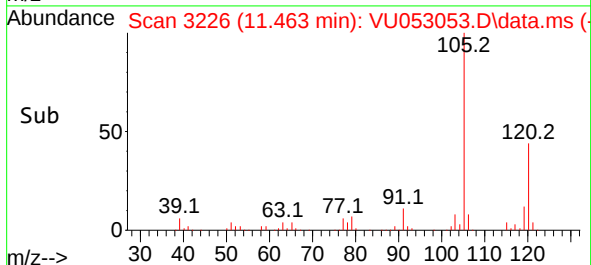
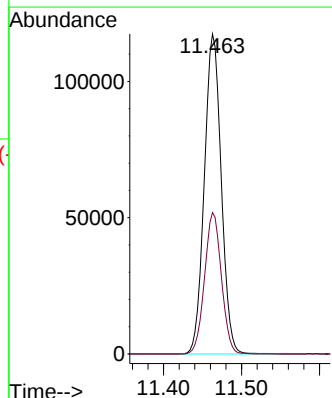
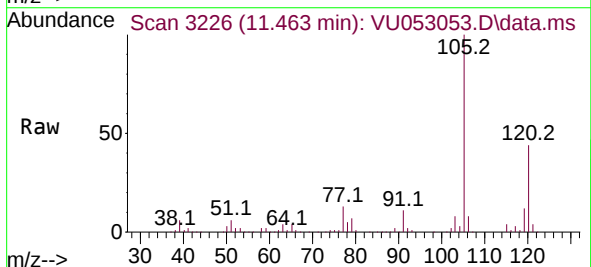
Acq: 11 Feb 2023 16:54

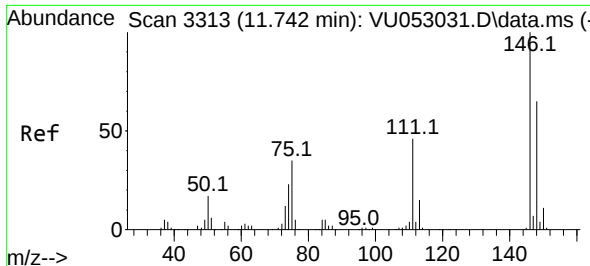
Tgt Ion:105 Resp: 177396

Ion Ratio Lower Upper

105 100

120 43.9 34.7 52.1

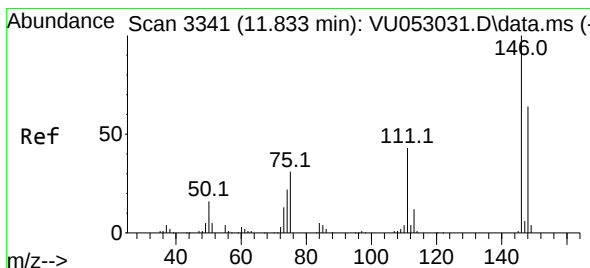
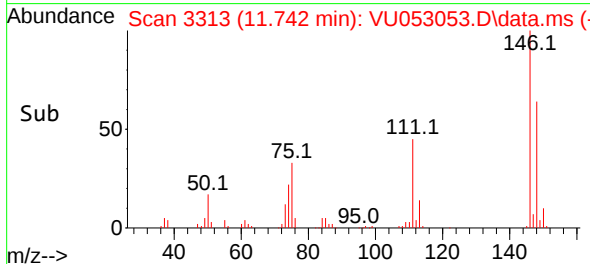
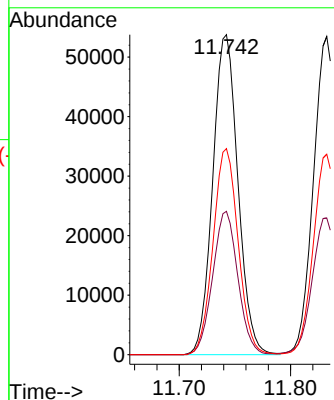
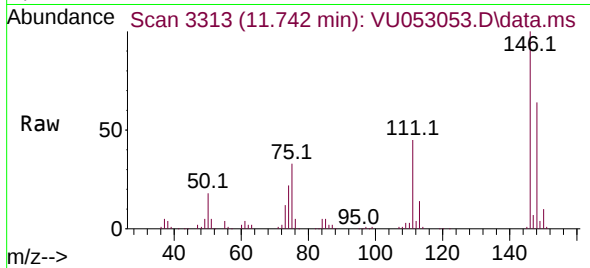




#64
1,3-Dichlorobenzene
Concen: 4.957 ug/L
RT: 11.742 min Scan# 3313
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

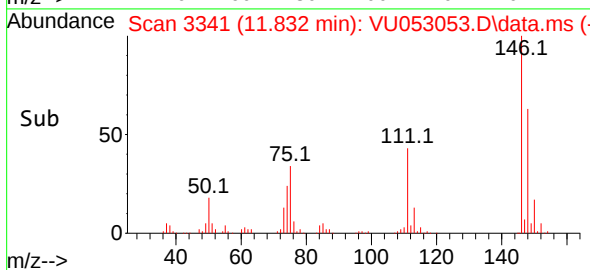
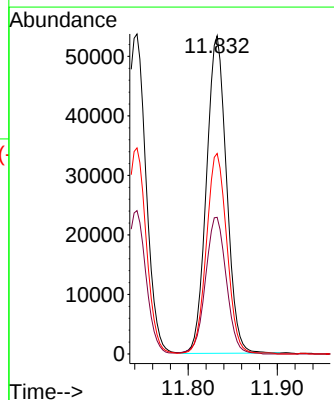
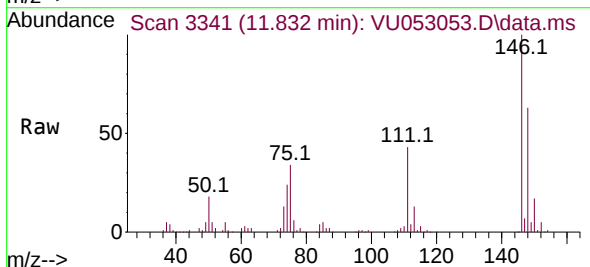
Instrument :
MSVOA_U
ClientSampleId :
VSTD005137

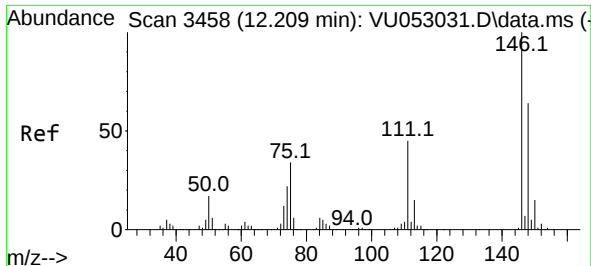
Tgt Ion:146 Resp: 84555
Ion Ratio Lower Upper
146 100
111 44.8 32.0 59.4
148 64.4 45.3 84.1



#65
1,4-Dichlorobenzene
Concen: 4.890 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Tgt Ion:146 Resp: 83575
Ion Ratio Lower Upper
146 100
111 42.9 30.3 56.3
148 63.0 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.058 ug/L

RT: 12.209 min Scan# 3458

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005137

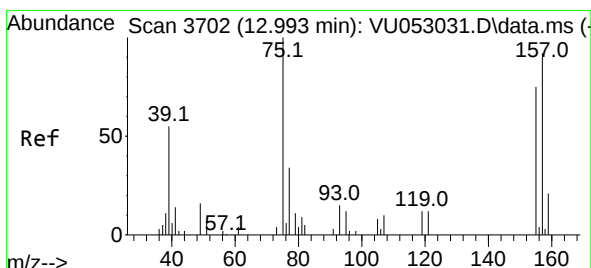
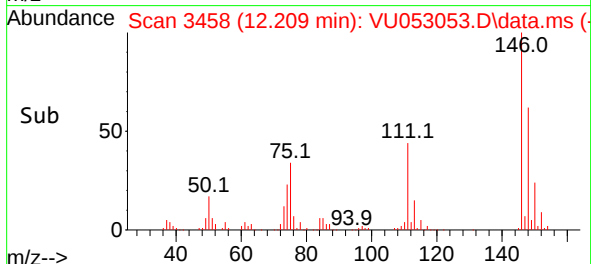
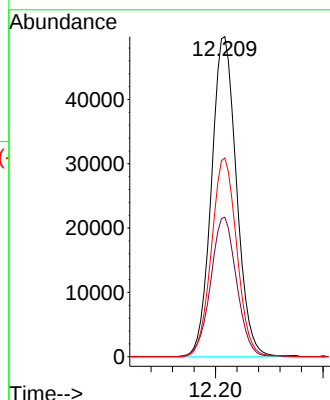
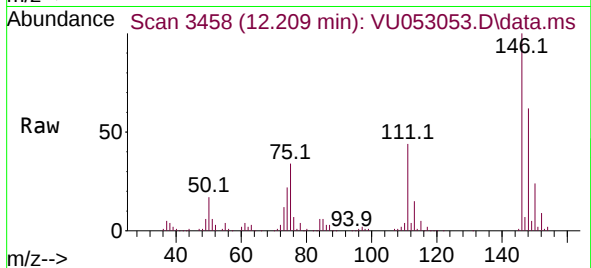
Tgt Ion:146 Resp: 80451

Ion Ratio Lower Upper

146 100

111 43.6 36.3 54.5

148 62.1 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.107 ug/L

RT: 12.993 min Scan# 3702

Delta R.T. -0.000 min

Lab File: VU053053.D

Acq: 11 Feb 2023 16:54

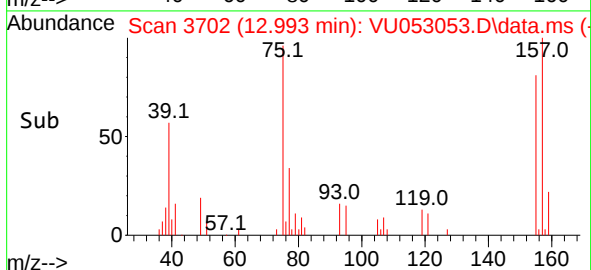
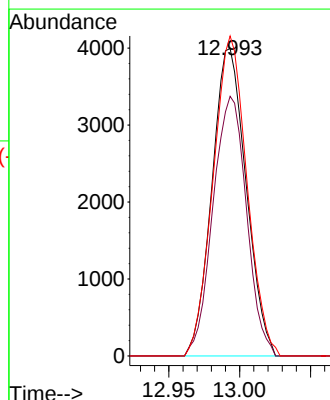
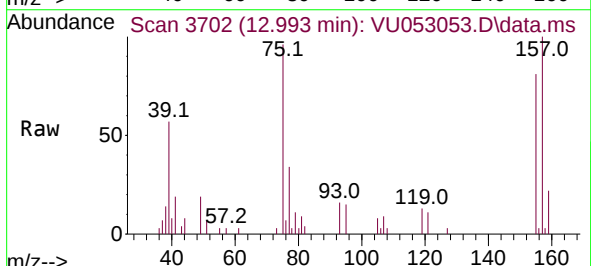
Tgt Ion: 75 Resp: 6710

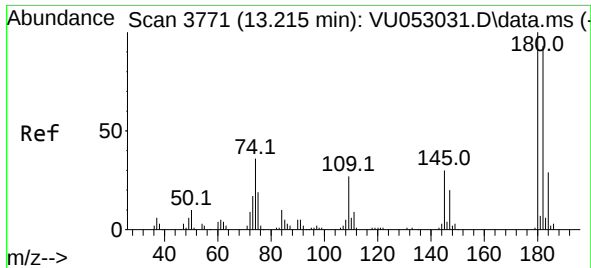
Ion Ratio Lower Upper

75 100

155 84.5 59.8 89.8

157 104.1 73.2 109.8

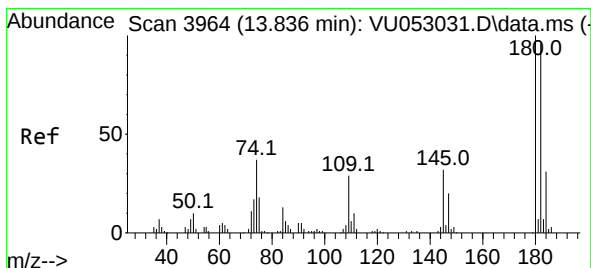
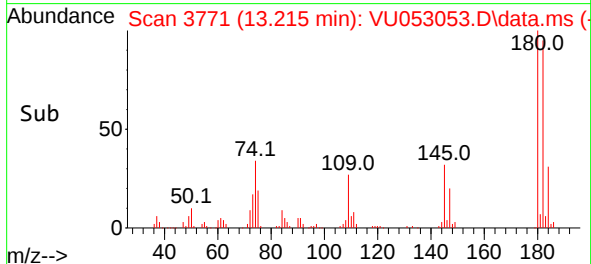
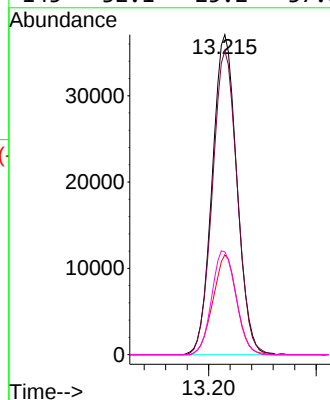
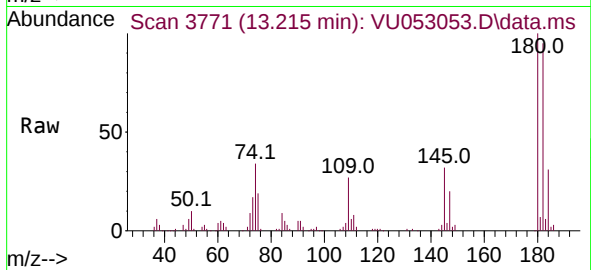




#69
 1,3,5-Trichlorobenzene
 Concen: 4.842 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. -0.000 min
 Lab File: VU053053.D
 Acq: 11 Feb 2023 16:54

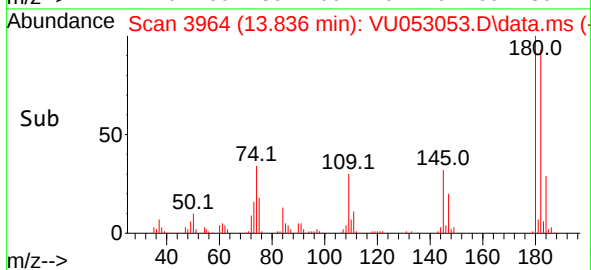
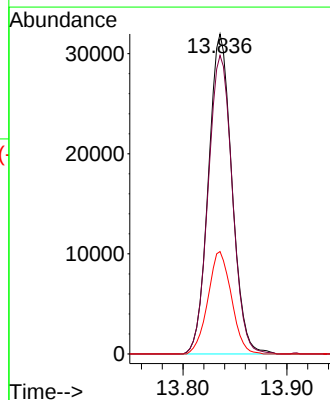
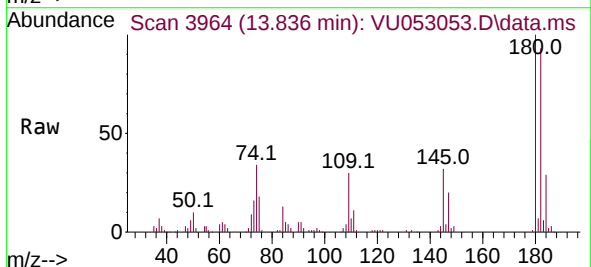
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005137

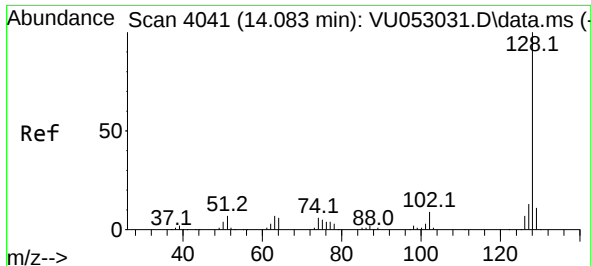
Tgt Ion:180 Resp: 58832
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.4 113.0
 184 30.1 23.8 35.6
 145 32.1 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.970 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. -0.000 min
 Lab File: VU053053.D
 Acq: 11 Feb 2023 16:54

Tgt Ion:180 Resp: 50138
 Ion Ratio Lower Upper
 180 100
 182 95.7 74.9 112.3
 145 32.0 25.1 37.7

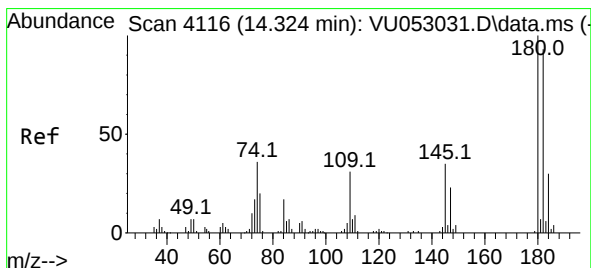
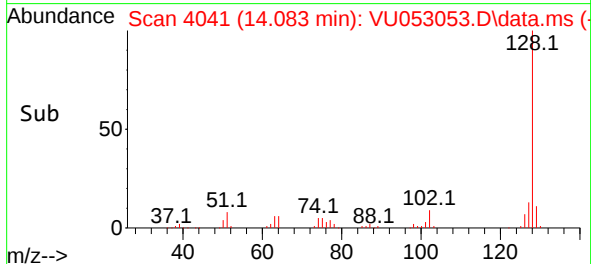
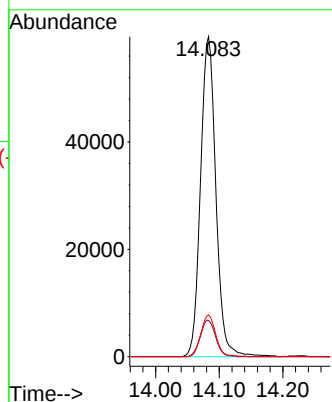
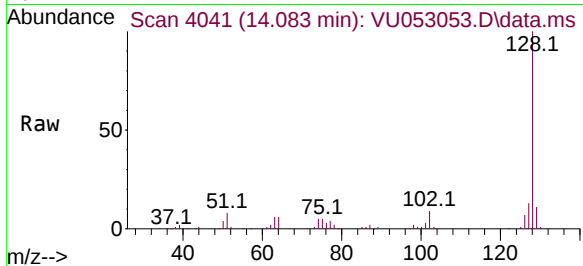




#71
Naphthalene
Concen: 4.941 ug/L
RT: 14.083 min Scan# 4041
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD005137

Tgt Ion:128	Resp:	99950
Ion Ratio	Lower	Upper
128	100	
129	11.2	8.8 13.2
127	12.7	10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.193 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. -0.000 min
Lab File: VU053053.D
Acq: 11 Feb 2023 16:54

Tgt Ion:180	Resp:	46236
Ion Ratio	Lower	Upper
180	100	
182	94.3	76.2 114.4
145	34.2	28.2 42.2

