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 Data File : VU053051.D
 Acq On : 10 Feb 2023 20:25
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005136

Quant Time: Feb 10 23:36:11 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	126794	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	114253	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	56273	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	26859	4.422	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.400%
7) Chloroethane-d5	1.913	69	26133	4.577	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.600%
11) 1,1-Dichloroethene-d2	2.563	65	12198	4.378	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.600%
20) 2-Butanone-d5	4.643	46	98437	52.914	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.820%
24) Chloroform-d	5.058	84	65254	4.668	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.698	65	32939	4.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.723	84	117615	4.581	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.688	67	41795	4.674	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.400%
41) Toluene-d8	7.894	98	102809	4.433	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
43) trans-1,3-Dichloroprop...	8.177	79	16692	4.611	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.630	63	82171	51.127	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.260%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	37389	4.869	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	40498	4.817	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	44600	4.791	ug/L	99
3) Chloromethane	1.518	50	47115	4.857	ug/L	98
5) Vinyl chloride	1.601	62	52307	4.895	ug/L	99
6) Bromomethane	1.859	94	31542	4.746	ug/L	95
8) Chloroethane	1.933	64	30824	4.899	ug/L	99
9) Trichlorofluoromethane	2.138	101	71767	4.875	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	39148	4.831	ug/L	99
12) 1,1-Dichloroethene	2.579	96	37084	4.944	ug/L	96
13) Acetone	2.666	43	52728	39.485	ug/L	80
14) Carbon disulfide	2.791	76	112802	4.980	ug/L	99
15) Methyl Acetate	2.958	43	14183	4.350	ug/L #	79
16) Methylene chloride	3.042	84	42315	4.876	ug/L	95
17) Methyl tert-butyl Ether	3.360	73	100795	4.949	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	38782	4.886	ug/L	96
19) 1,1-Dichloroethane	3.865	63	75033	5.019	ug/L	97
21) 2-Butanone	4.720	43	91471	46.367	ug/L	96
22) cis-1,2-Dichloroethene	4.662	96	44569	4.976	ug/L	97
23) Bromochloromethane	4.971	128	17834	5.027	ug/L	98
25) Chloroform	5.084	83	77188	4.939	ug/L	97

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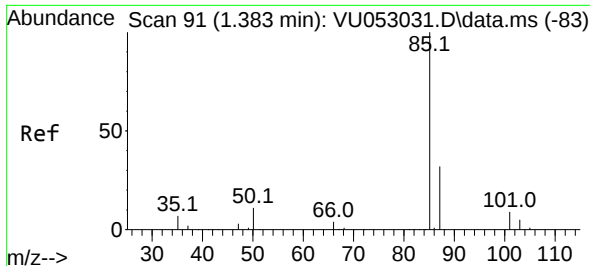
Instrument :
 MSVOA_U
 ClientSampleId :
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Quant Time: Feb 10 23:36:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 10 23:20:41 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	47775	4.973	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	66447	4.868	ug/L	98
30) Cyclohexane	5.386	56	65823	4.823	ug/L	99
31) Carbon tetrachloride	5.521	117	57821	5.075	ug/L	98
33) Benzene	5.772	78	164090	4.984	ug/L	100
34) Trichloroethene	6.537	95	45335	4.894	ug/L	98
35) Methylcyclohexane	6.759	83	71761	4.785	ug/L	99
37) 1,2-Dichloropropane	6.784	63	44748	4.992	ug/L	100
38) Bromodichloromethane	7.100	83	56820	4.888	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	70771	4.949	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	232987	49.785	ug/L	99
42) Toluene	7.964	91	177962	4.976	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	58537	4.963	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	31410	4.863	ug/L	98
47) Tetrachloroethene	8.550	164	29925	4.970	ug/L	96
48) 2-Hexanone	8.681	43	169613	49.382	ug/L	99
49) Dibromochloromethane	8.804	129	35609	5.057	ug/L	97
50) 1,2-Dibromoethane	8.919	107	30135	5.057	ug/L	92
51) Chlorobenzene	9.443	112	111569	5.001	ug/L	99
52) Ethylbenzene	9.566	91	200679	4.945	ug/L	99
53) m,p-Xylene	9.688	106	76024	5.010	ug/L	94
54) o-Xylene	10.096	106	74268	5.048	ug/L	98
55) Styrene	10.109	104	120494	5.049	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	40175	4.916	ug/L	95
59) Bromoform	10.286	173	21078	5.153	ug/L	99
60) Isopropylbenzene	10.479	105	201396	4.947	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	26959	4.989	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	168327	4.896	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	170179	4.945	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	82087	4.979	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	81195	4.915	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	76506	4.977	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.993	75	6653	5.239	ug/L	91
69) 1,3,5-Trichlorobenzene	13.215	180	59189	5.040	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	49370	5.064	ug/L	99
71) Naphthalene	14.080	128	97412	4.982	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	44689	5.193	ug/L	99

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

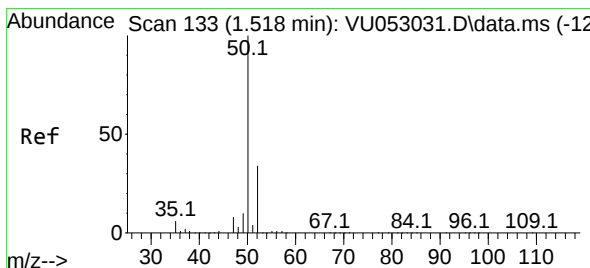
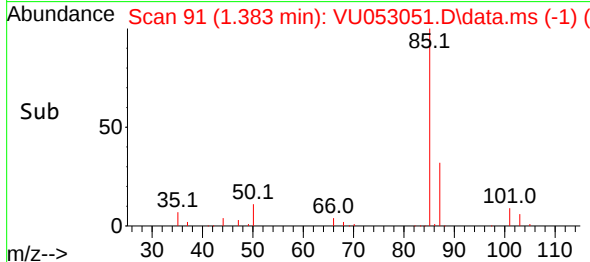
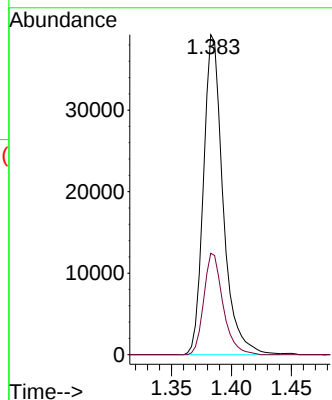
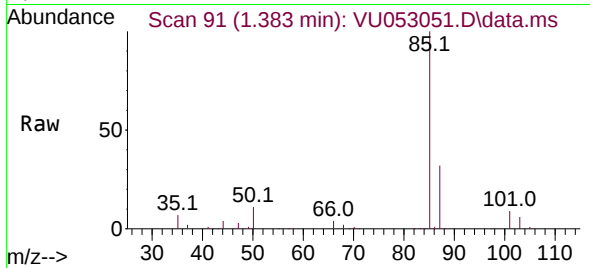
Instrument :
MSVOA_U
ClientSampleId :
VSTD005136



#2
Dichlorodifluoromethane
Concen: 4.791 ug/L
RT: 1.383 min Scan# 91
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

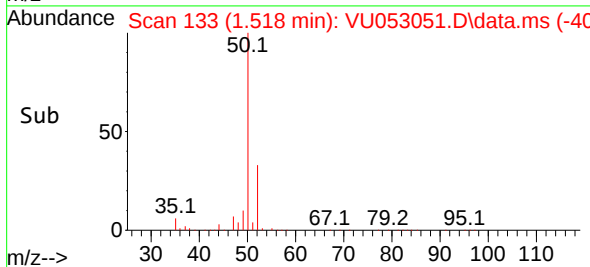
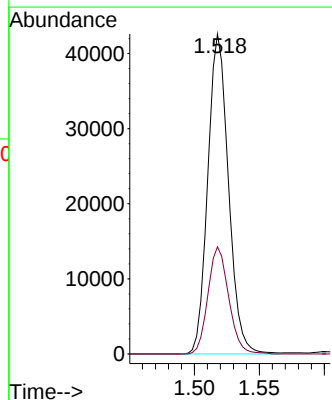
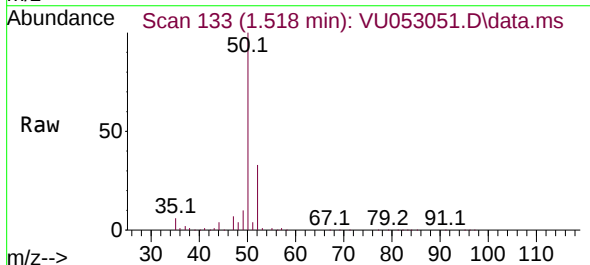
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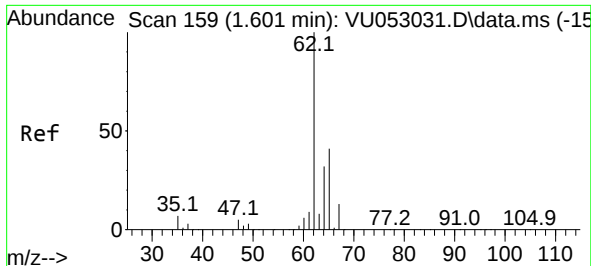
Tgt Ion: 85 Resp: 44600
Ion Ratio Lower Upper
85 100
87 31.1 25.5 38.3



#3
Chloromethane
Concen: 4.857 ug/L
RT: 1.518 min Scan# 133
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion: 50 Resp: 47115
Ion Ratio Lower Upper
50 100
52 33.5 24.1 44.7

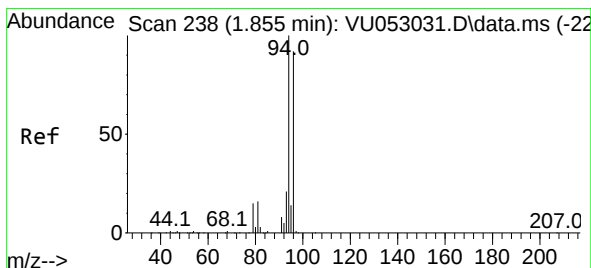
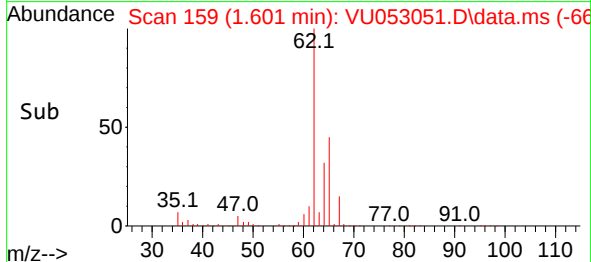
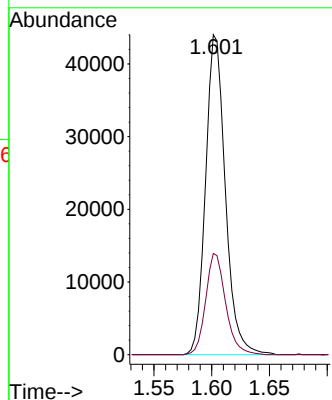
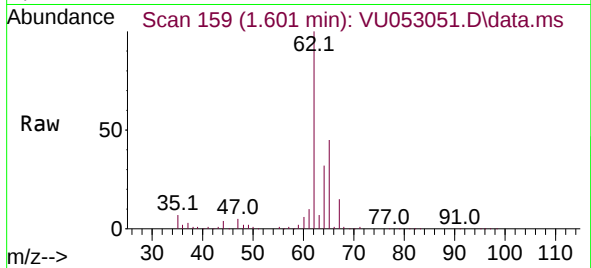




#5
 Vinyl chloride
 Concen: 4.895 ug/L
 RT: 1.601 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VU053051.D
 Acq: 10 Feb 2023 20:25

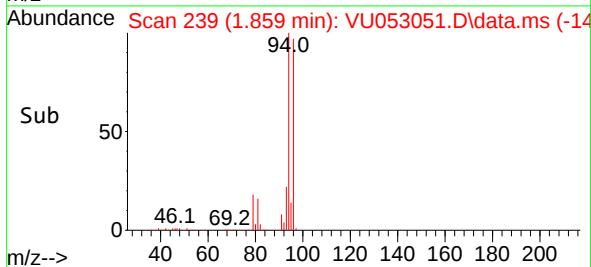
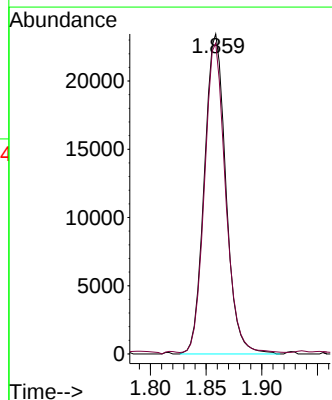
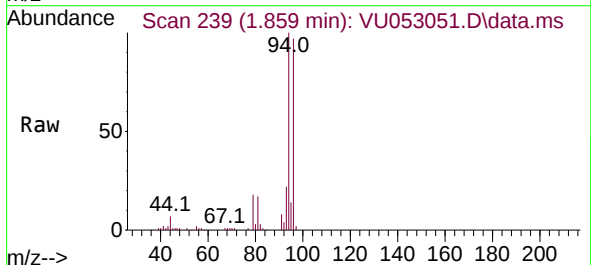
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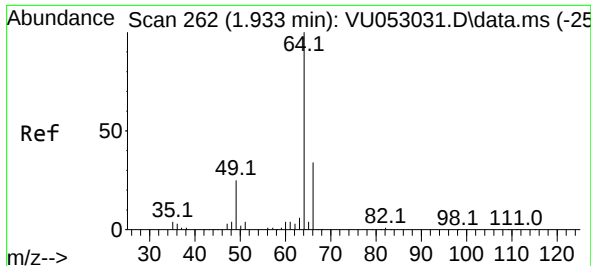
Tgt Ion: 62 Resp: 52307
 Ion Ratio Lower Upper
 62 100
 64 31.6 22.5 41.9



#6
 Bromomethane
 Concen: 4.746 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. 0.003 min
 Lab File: VU053051.D
 Acq: 10 Feb 2023 20:25

Tgt Ion: 94 Resp: 31542
 Ion Ratio Lower Upper
 94 100
 96 97.1 64.8 120.3

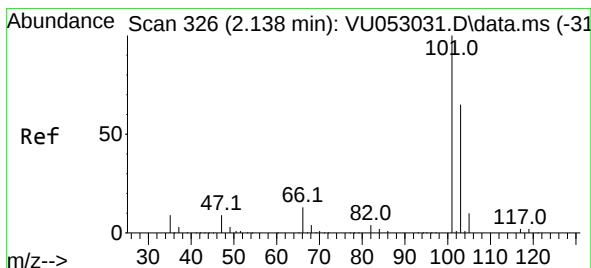
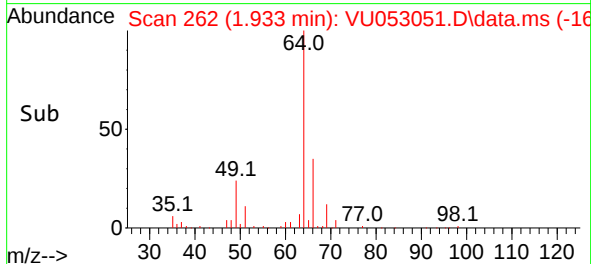
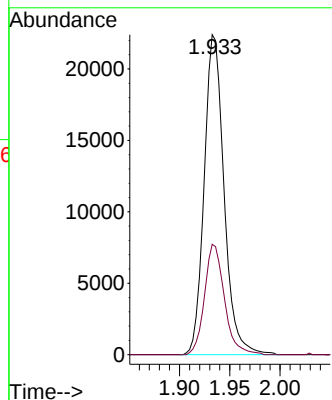
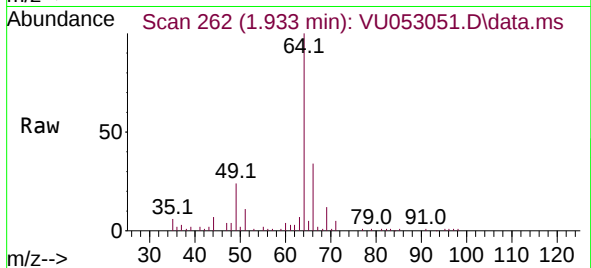




#8
Chloroethane
Concen: 4.899 ug/L
RT: 1.933 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

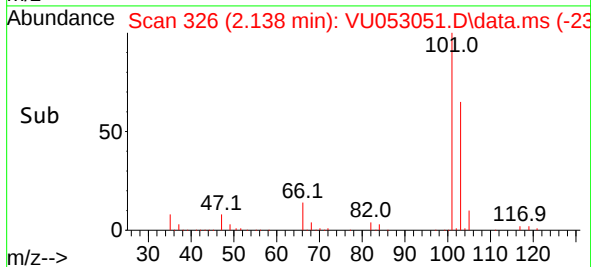
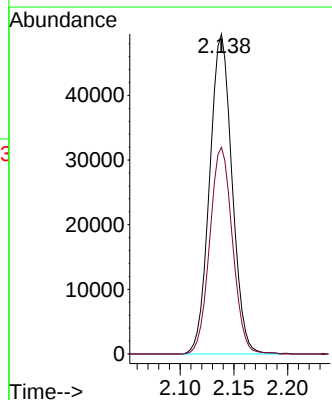
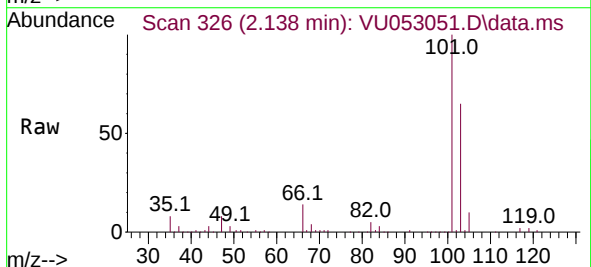
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ClientSampleId :
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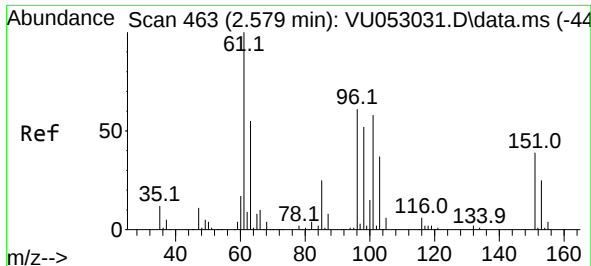
Tgt Ion: 64 Resp: 30824
Ion Ratio Lower Upper
64 100
66 34.5 23.9 44.3



#9
Trichlorofluoromethane
Concen: 4.875 ug/L
RT: 2.138 min Scan# 326
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion:101 Resp: 71767
Ion Ratio Lower Upper
101 100
103 65.6 52.6 78.8

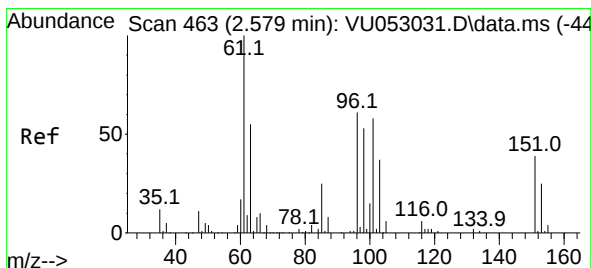
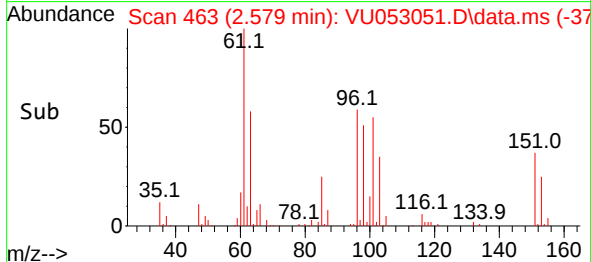
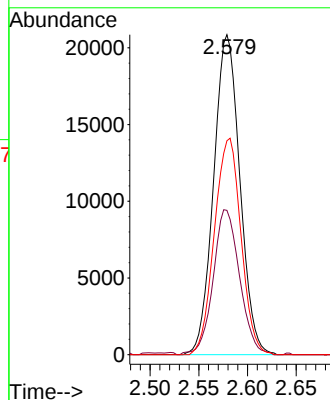
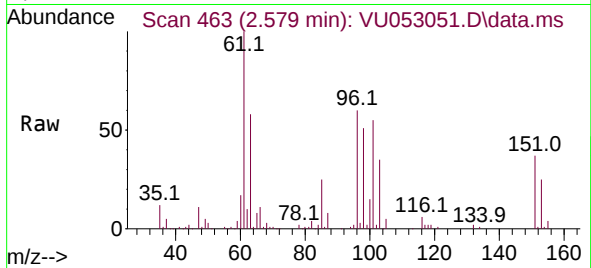




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.831 ug/L
RT: 2.579 min Scan# 463
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

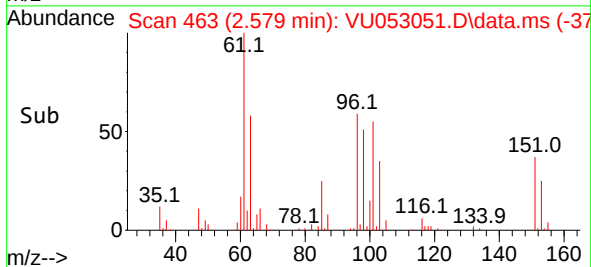
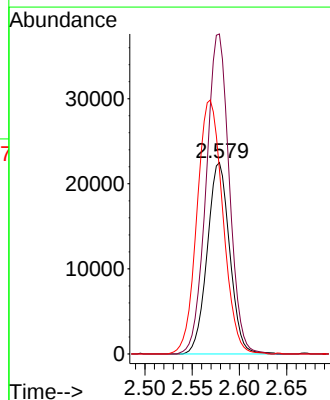
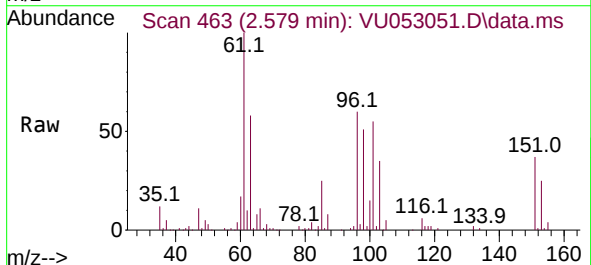
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ClientSampleId :
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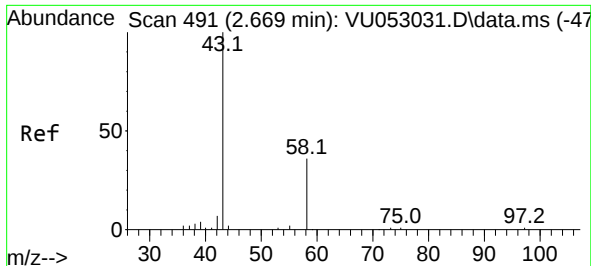
Tgt Ion:101 Resp: 39148
Ion Ratio Lower Upper
101 100
85 45.5 36.8 55.2
151 68.4 53.8 80.8



#12
1,1-Dichloroethene
Concen: 4.944 ug/L
RT: 2.579 min Scan# 463
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion: 96 Resp: 37084
Ion Ratio Lower Upper
96 100
61 167.2 115.1 213.7
63 96.6 63.6 118.0





#13

Acetone

Concen: 39.485 ug/L

RT: 2.666 min Scan# 491

Delta R.T. -0.003 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

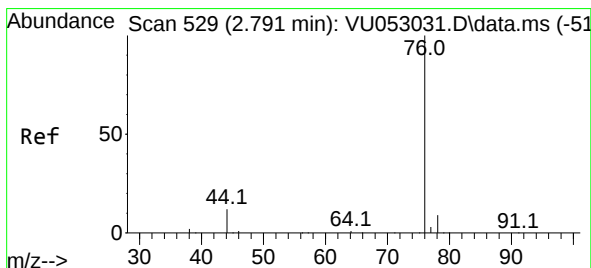
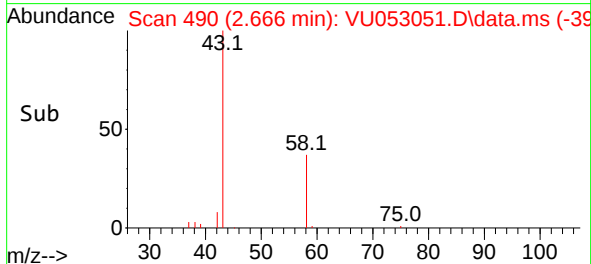
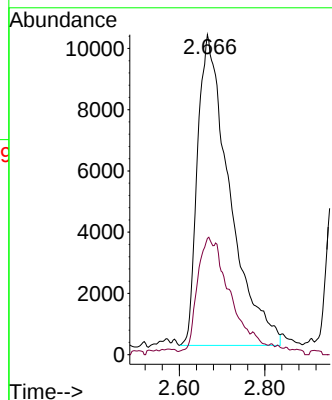
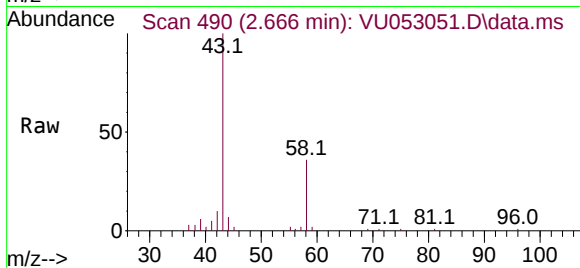
VSTD005136

Tgt Ion: 43 Resp: 52728

Ion Ratio Lower Upper

43 100

58 17.2 0.0 19.6



#14

Carbon disulfide

Concen: 4.980 ug/L

RT: 2.791 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU053051.D

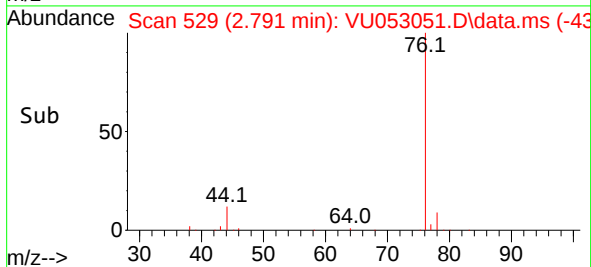
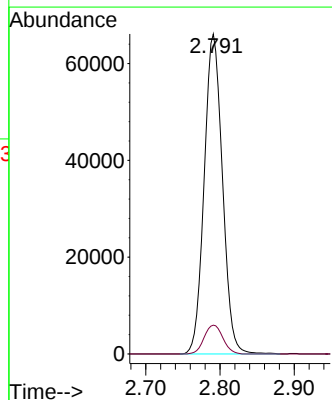
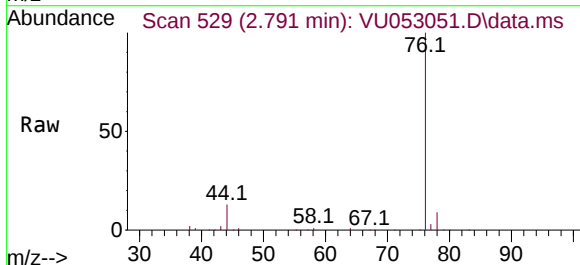
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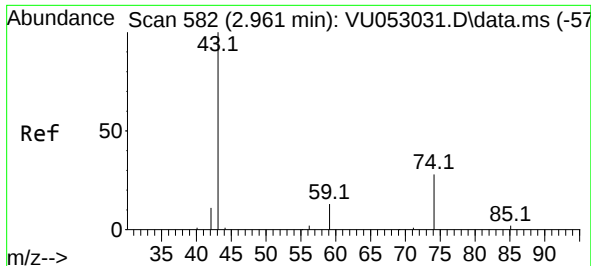
Tgt Ion: 76 Resp: 112802

Ion Ratio Lower Upper

76 100

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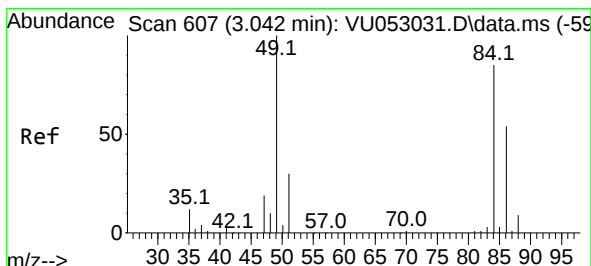
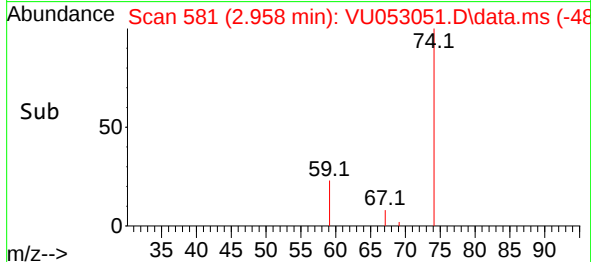
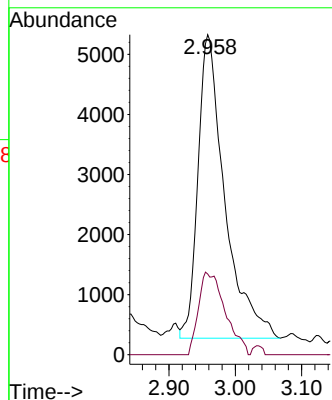
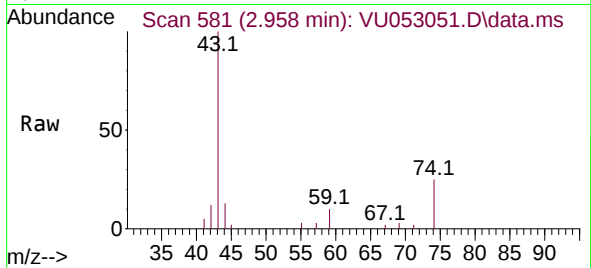




#15
Methyl Acetate
Concen: 4.350 ug/L
RT: 2.958 min Scan# 581
Delta R.T. -0.003 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

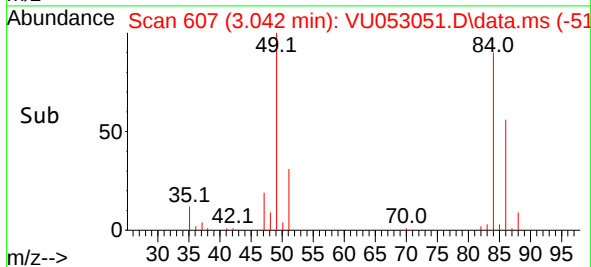
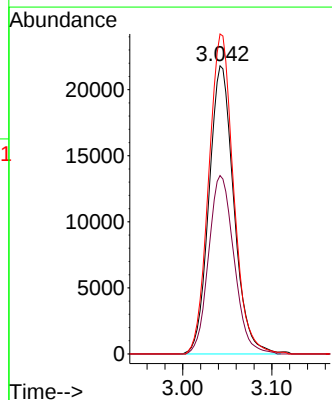
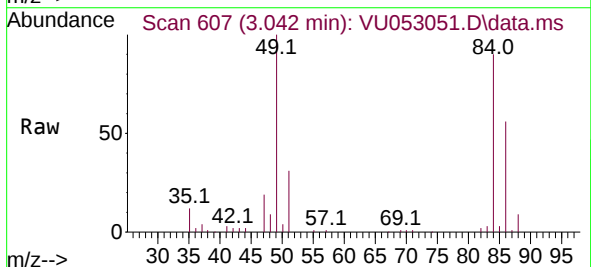
Instrument :
MSVOA_U
ClientSampleId :
VSTD005136

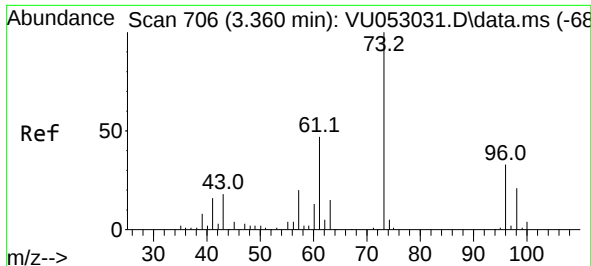
Tgt Ion: 43 Resp: 14183
Ion Ratio Lower Upper
43 100
74 27.0 14.3 21.5#



#16
Methylene chloride
Concen: 4.876 ug/L
RT: 3.042 min Scan# 607
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion: 84 Resp: 42315
Ion Ratio Lower Upper
84 100
86 61.9 44.9 83.3
49 111.0 82.6 153.4

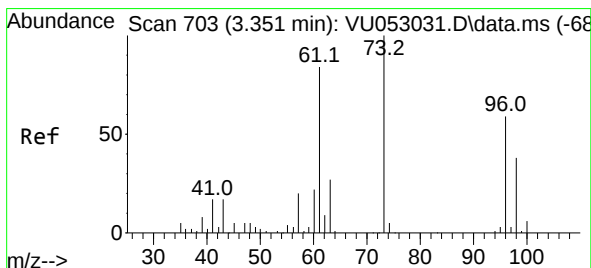
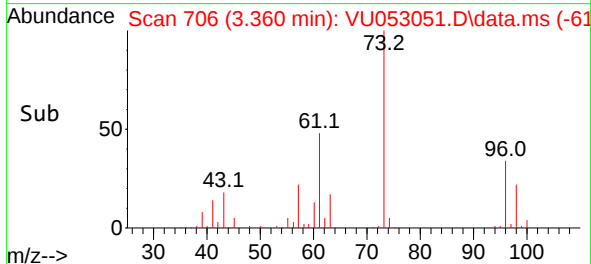
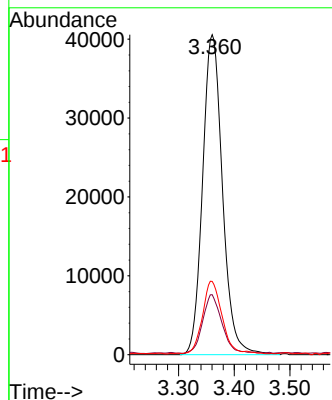
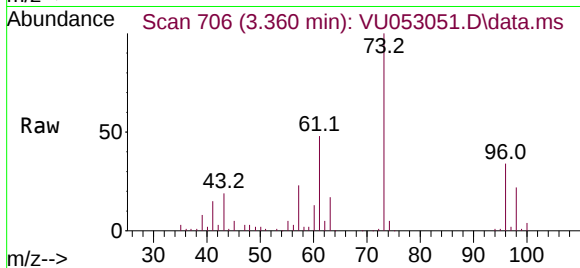




#17
Methyl tert-butyl Ether
Concen: 4.949 ug/L
RT: 3.360 min Scan# 706
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

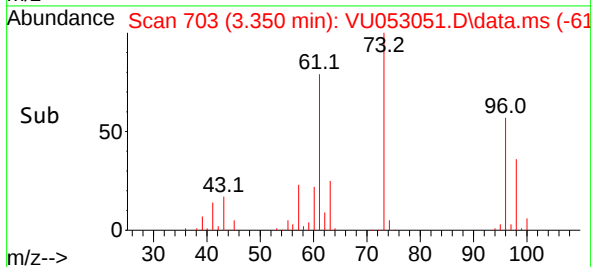
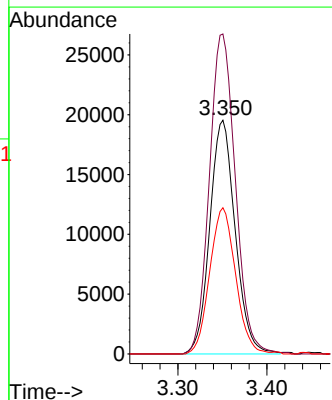
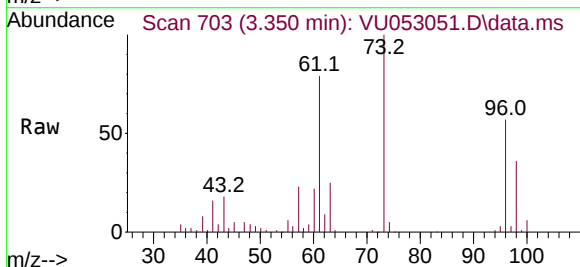
Instrument :
MSVOA_U
ClientSampleId :
VSTD005136

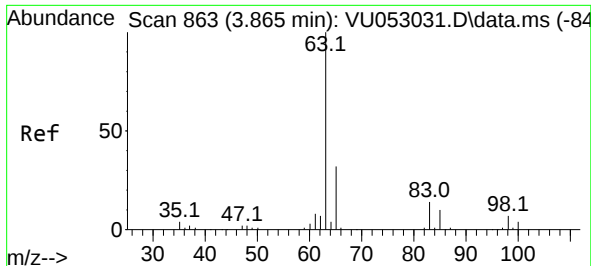
Tgt Ion: 73 Resp: 100795
Ion Ratio Lower Upper
73 100
43 17.6 14.6 21.8
57 21.7 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.886 ug/L
RT: 3.350 min Scan# 703
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion: 96 Resp: 38782
Ion Ratio Lower Upper
96 100
61 136.9 99.5 184.9
98 62.6 44.8 83.2

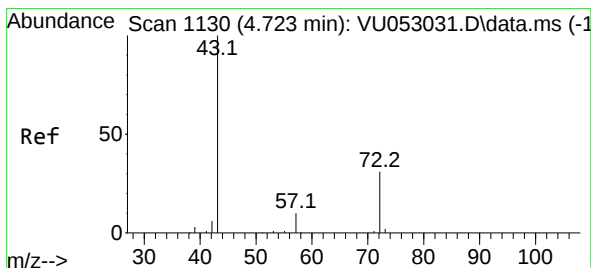
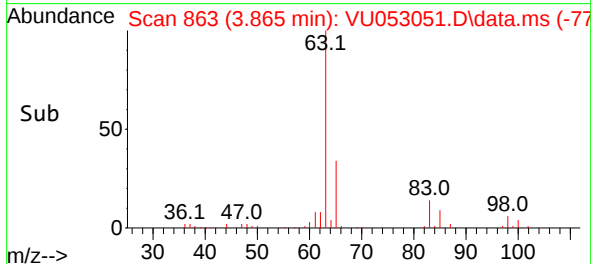
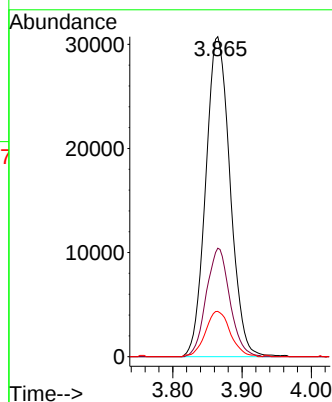
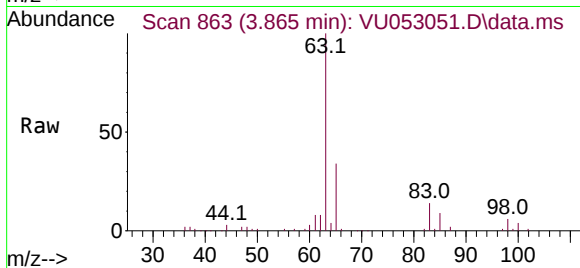




#19
1,1-Dichloroethane
Concen: 5.019 ug/L
RT: 3.865 min Scan# 80
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

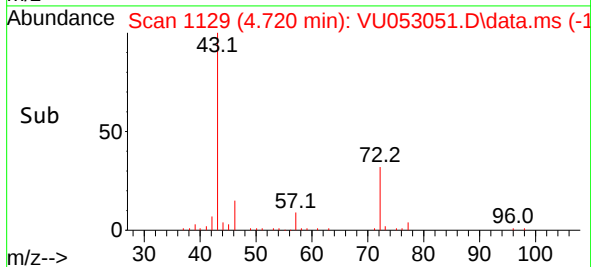
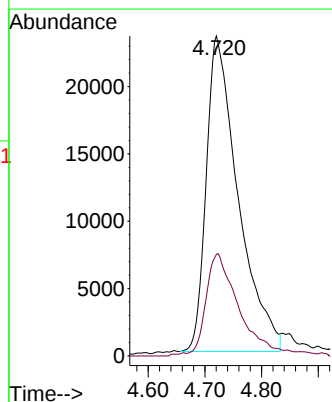
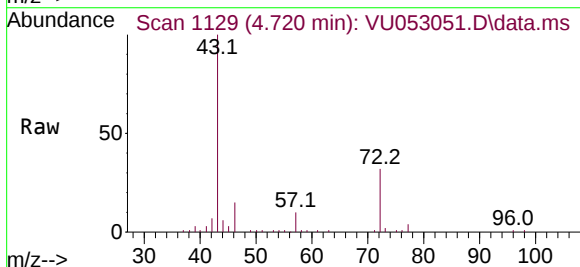
Instrument :
MSVOA_U
ClientSampleId :
VSTD005136

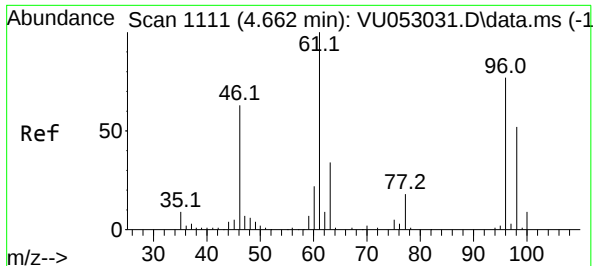
Tgt Ion: 63 Resp: 75033
Ion Ratio Lower Upper
63 100
65 33.9 22.3 41.3
83 14.1 9.8 18.2



#21
2-Butanone
Concen: 46.367 ug/L
RT: 4.720 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion: 43 Resp: 91471
Ion Ratio Lower Upper
43 100
72 31.4 14.5 43.5





#22

cis-1,2-Dichloroethene

Concen: 4.976 ug/L

RT: 4.662 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD005136

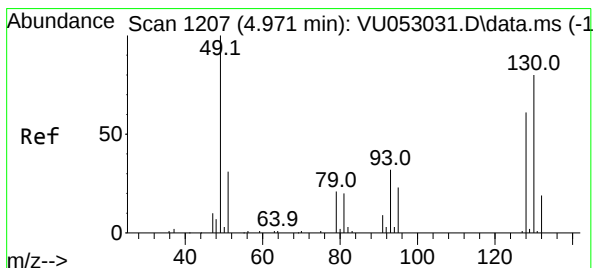
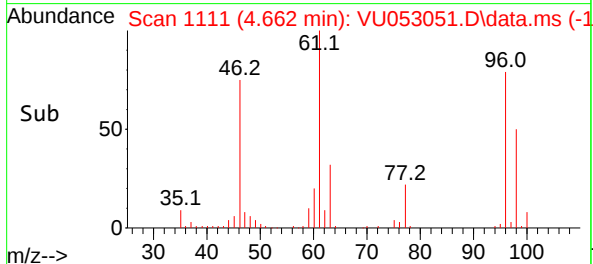
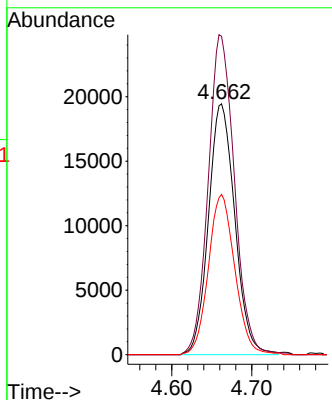
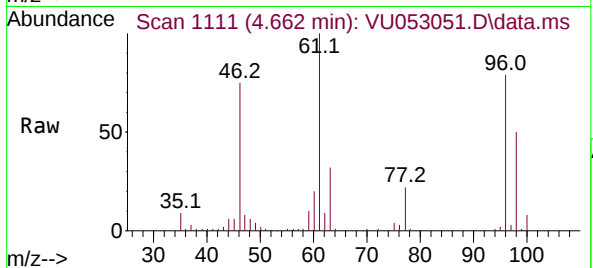
Tgt Ion: 96 Resp: 44569

Ion Ratio Lower Upper

96 100

61 126.9 90.9 168.9

98 63.9 47.0 87.4



#23

Bromochloromethane

Concen: 5.027 ug/L

RT: 4.971 min Scan# 1207

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Tgt Ion:128 Resp: 17834

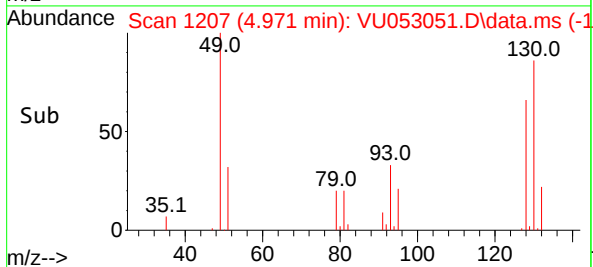
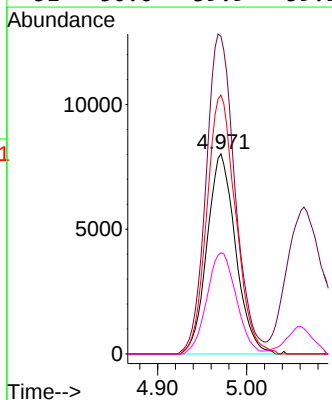
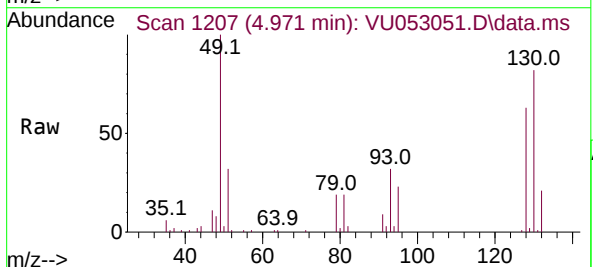
Ion Ratio Lower Upper

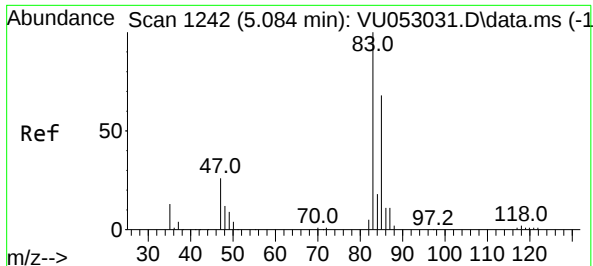
128 100

49 158.7 114.2 212.0

130 129.4 91.6 170.2

51 50.6 39.9 59.9





#25

Chloroform

Concen: 4.939 ug/L

RT: 5.084 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

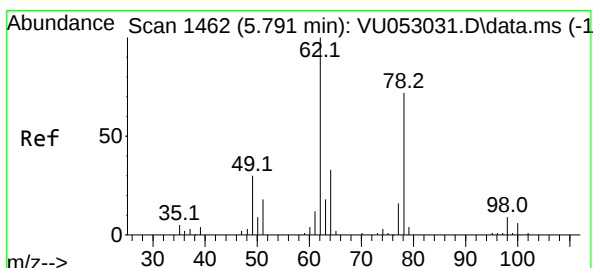
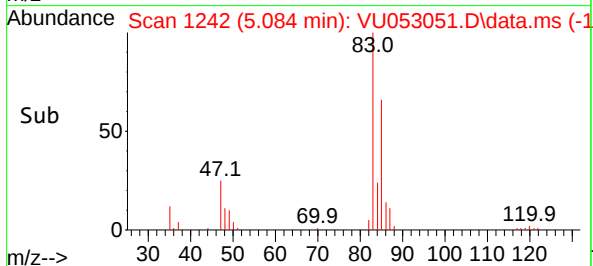
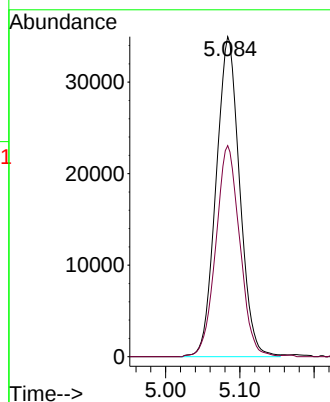
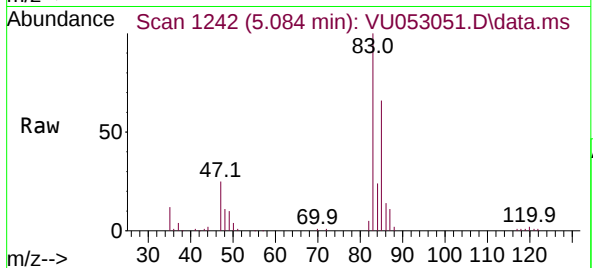
VSTD005136

Tgt Ion: 83 Resp: 77188

Ion Ratio Lower Upper

83 100

85 66.0 47.7 88.5



#27

1,2-Dichloroethane

Concen: 4.973 ug/L

RT: 5.791 min Scan# 1462

Delta R.T. -0.000 min

Lab File: VU053051.D

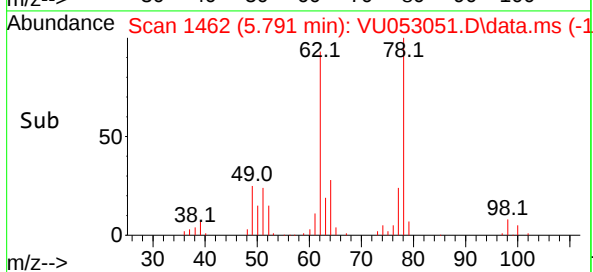
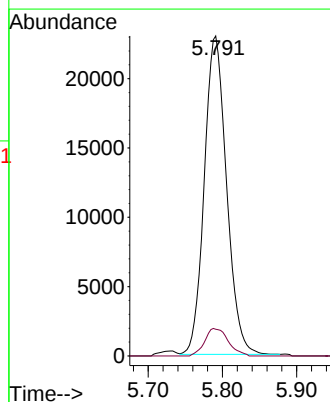
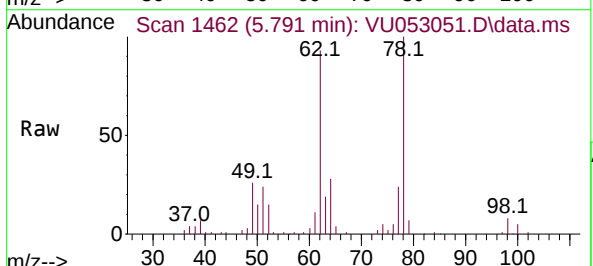
Acq: 10 Feb 2023 20:25

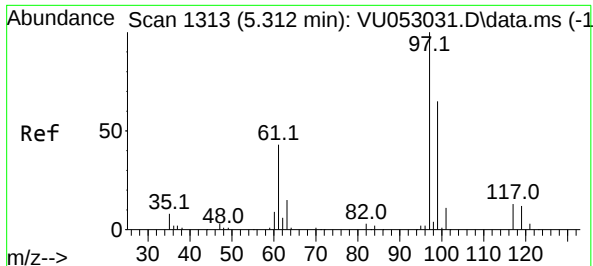
Tgt Ion: 62 Resp: 47775

Ion Ratio Lower Upper

62 100

98 8.4 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 4.868 ug/L

RT: 5.312 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD005136

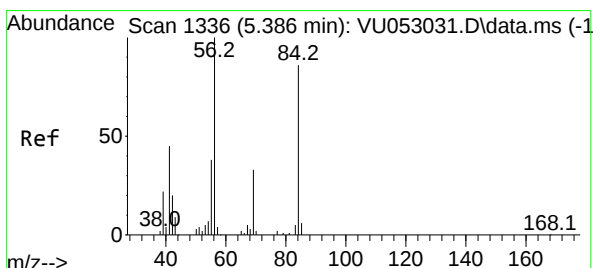
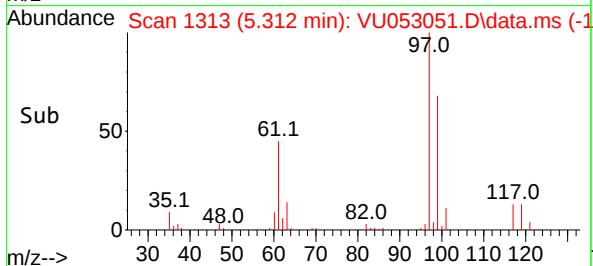
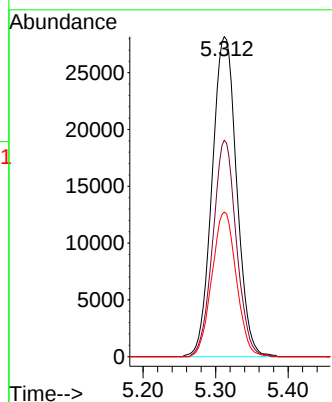
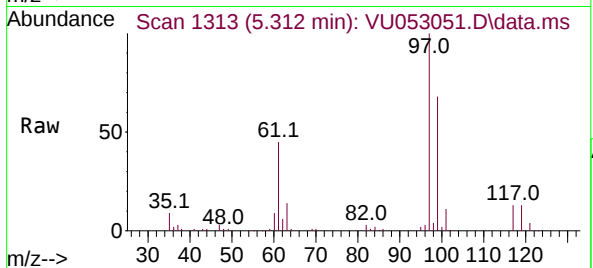
Tgt Ion: 97 Resp: 66447

Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.6

61 44.7 34.2 51.4



#30

Cyclohexane

Concen: 4.823 ug/L

RT: 5.386 min Scan# 1336

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

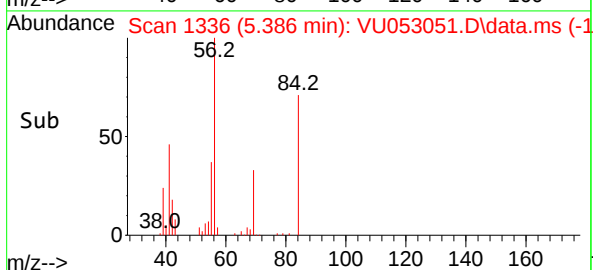
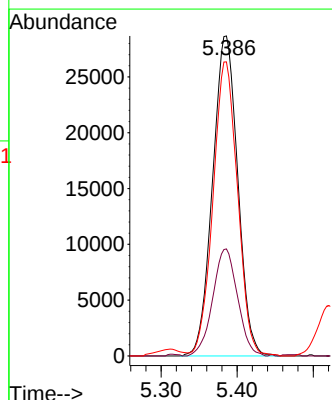
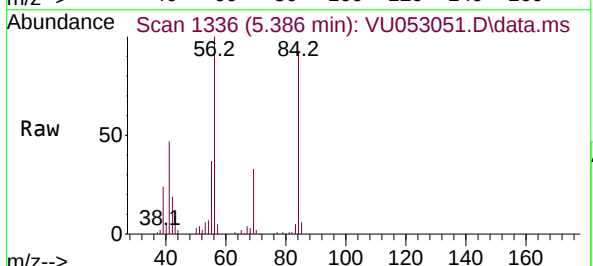
Tgt Ion: 56 Resp: 65823

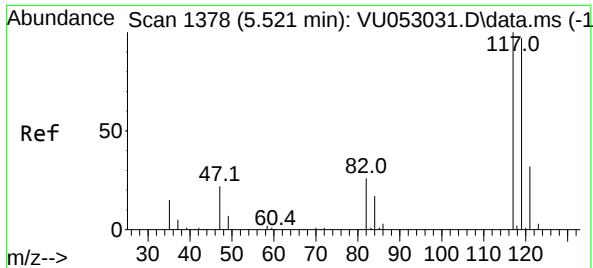
Ion Ratio Lower Upper

56 100

69 33.1 27.0 40.6

84 89.8 70.8 106.2

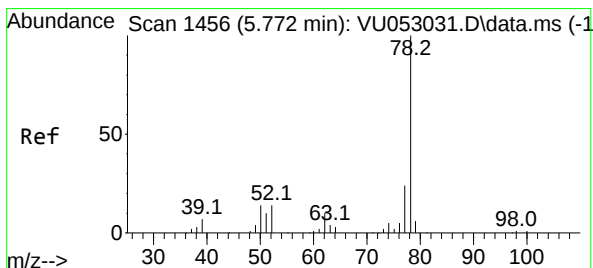
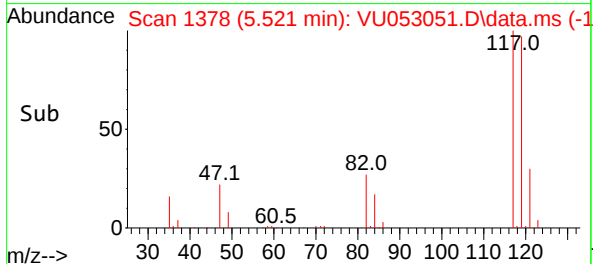
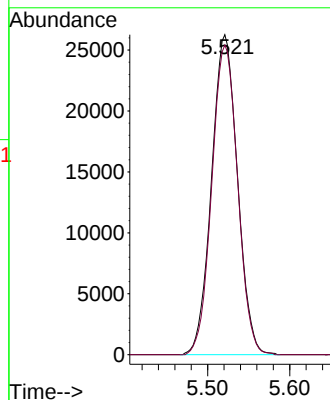
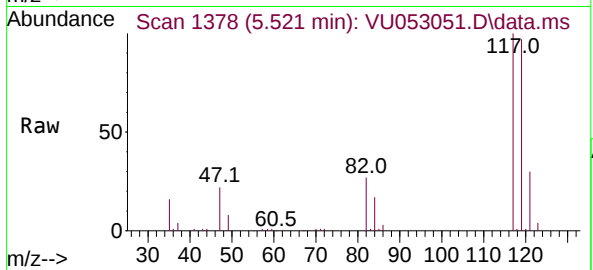




#31
Carbon tetrachloride
Concen: 5.075 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

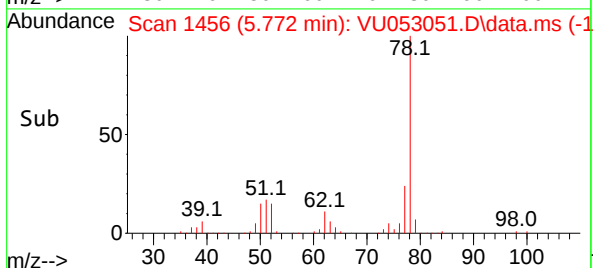
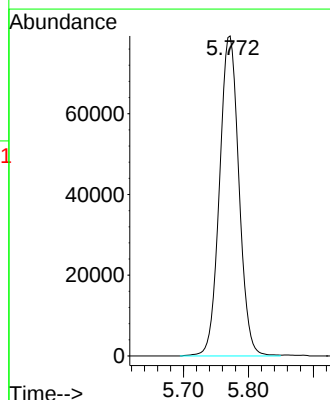
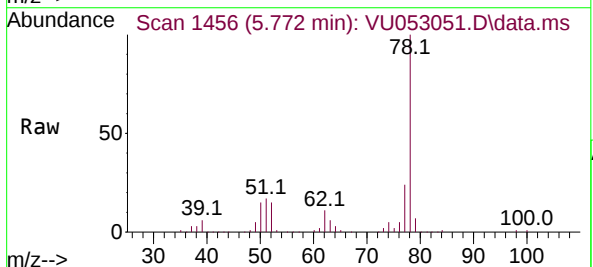
Instrument :
MSVOA_U
ClientSampleId :
VSTD005136

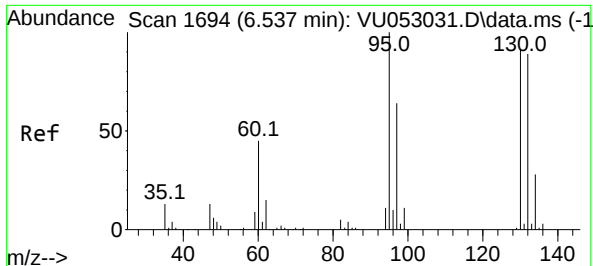
Tgt Ion:117 Resp: 57821
Ion Ratio Lower Upper
117 100
119 96.2 75.4 113.0



#33
Benzene
Concen: 4.984 ug/L
RT: 5.772 min Scan# 1456
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion: 78 Resp: 164090





#34

Trichloroethene

Concen: 4.894 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD005136

Tgt Ion: 95 Resp: 45335

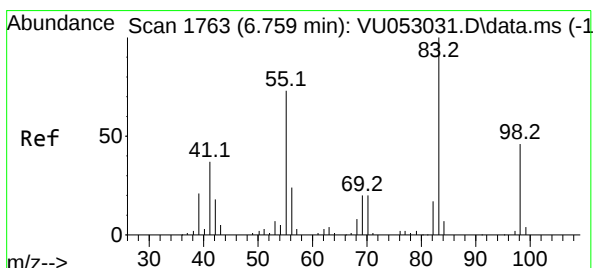
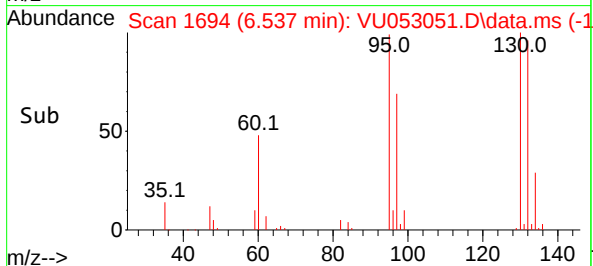
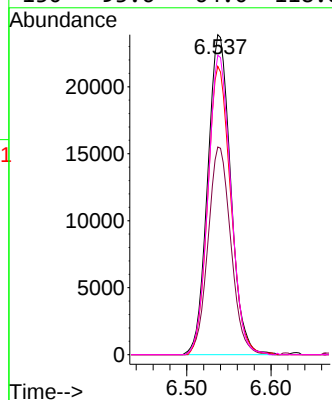
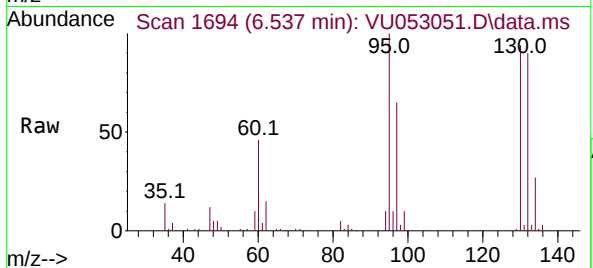
Ion Ratio Lower Upper

95 100

97 64.9 44.7 82.9

132 90.1 62.3 115.7

130 93.6 64.0 118.8



#35

Methylcyclohexane

Concen: 4.785 ug/L

RT: 6.759 min Scan# 1763

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

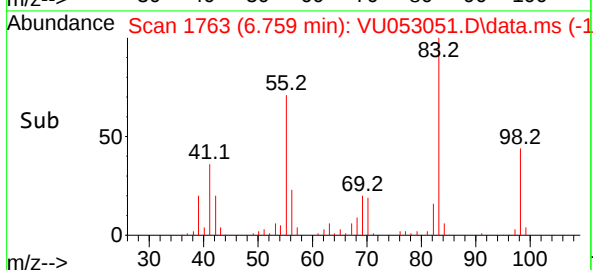
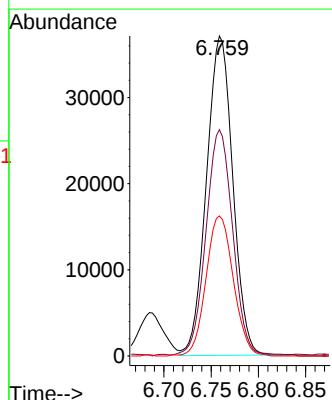
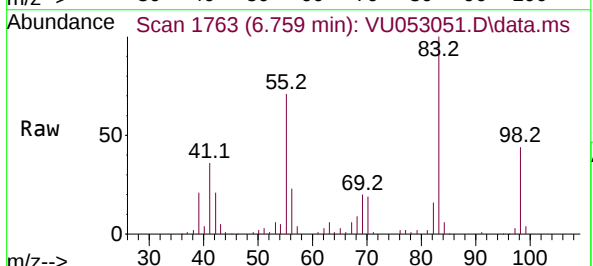
Tgt Ion: 83 Resp: 71761

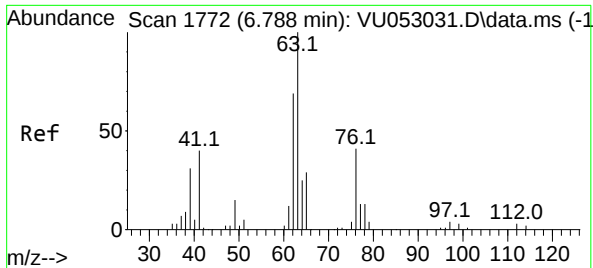
Ion Ratio Lower Upper

83 100

55 71.3 57.9 86.9

98 45.5 36.4 54.6





#37

1,2-Dichloropropane

Concen: 4.992 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

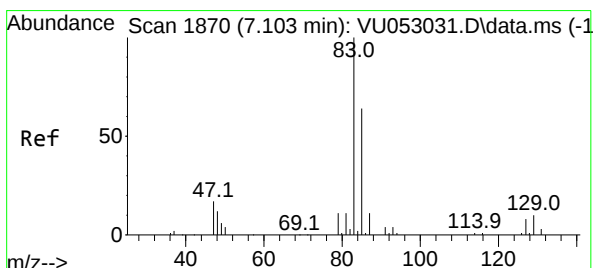
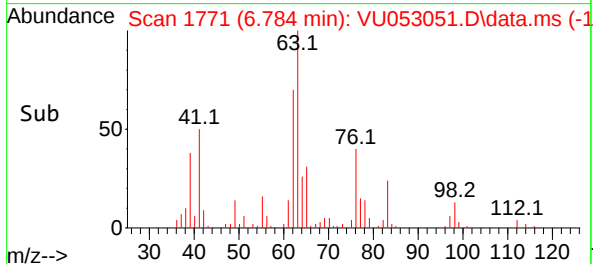
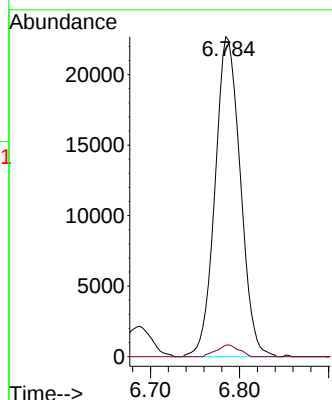
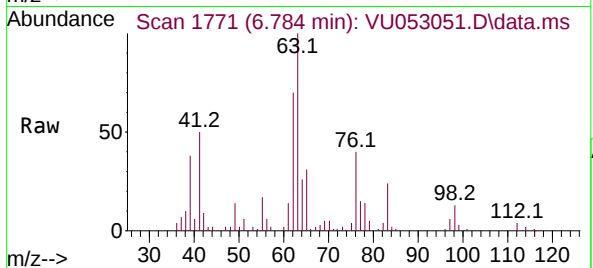
VSTD005136

Tgt Ion: 63 Resp: 44748

Ion Ratio Lower Upper

63 100

112 3.2 2.7 4.1



#38

Bromodichloromethane

Concen: 4.888 ug/L

RT: 7.100 min Scan# 1869

Delta R.T. -0.003 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

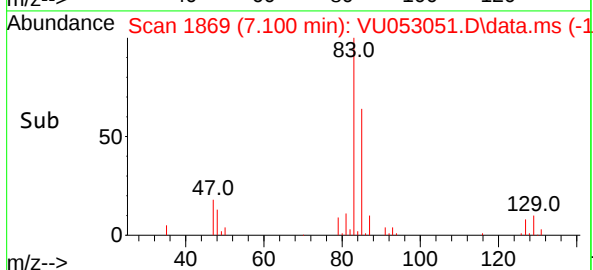
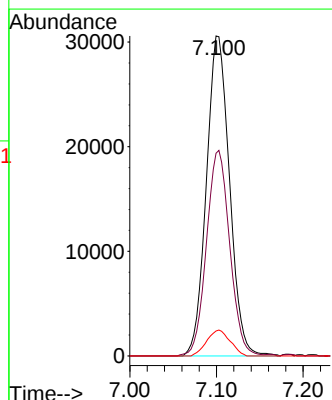
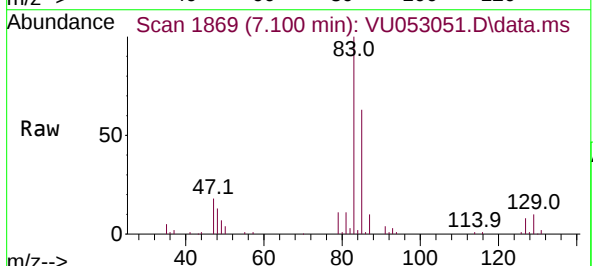
Tgt Ion: 83 Resp: 56820

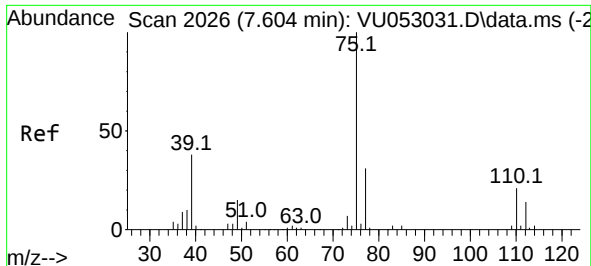
Ion Ratio Lower Upper

83 100

85 63.3 44.7 82.9

127 7.8 6.3 9.5

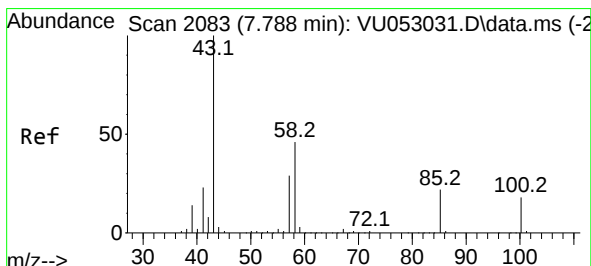
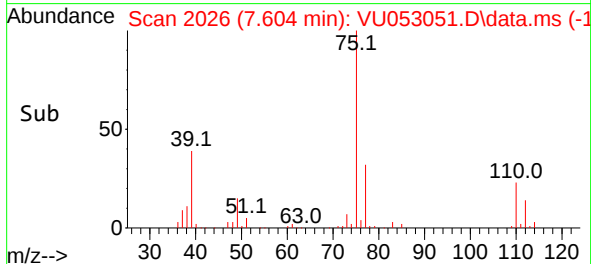
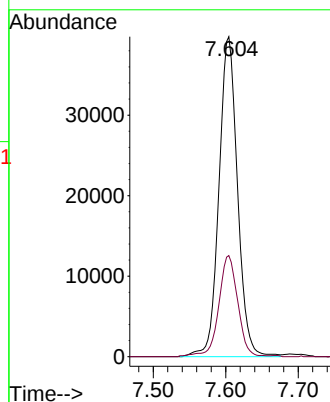
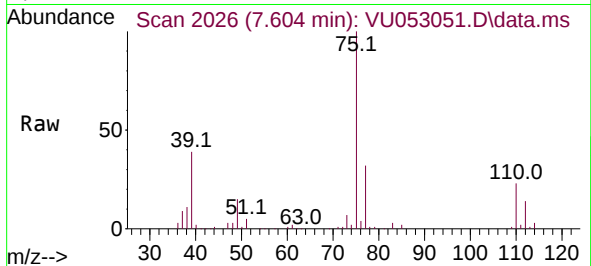




#39
cis-1,3-Dichloropropene
Concen: 4.949 ug/L
RT: 7.604 min Scan# 2026
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

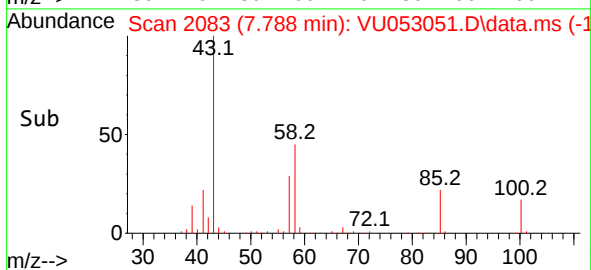
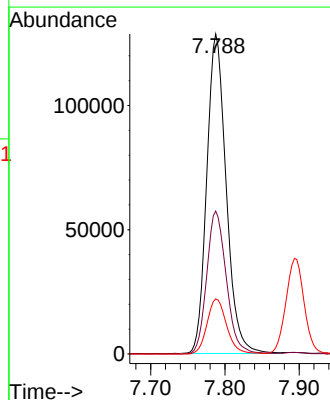
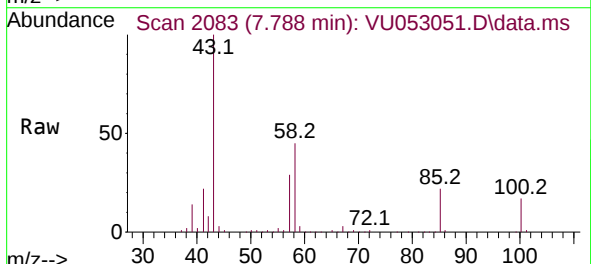
Instrument :
MSVOA_U
ClientSampleId :
VSTD005136

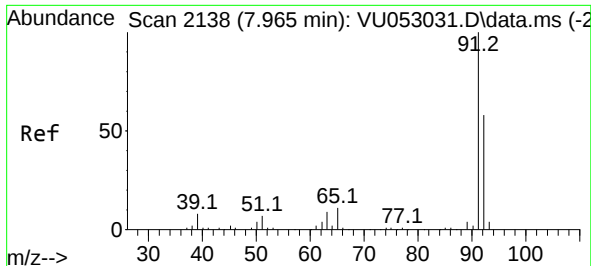
Tgt Ion: 75 Resp: 70771
Ion Ratio Lower Upper
75 100
77 31.6 21.6 40.0



#40
4-Methyl-2-pentanone
Concen: 49.785 ug/L
RT: 7.788 min Scan# 2083
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion: 43 Resp: 232987
Ion Ratio Lower Upper
43 100
58 45.4 35.9 53.9
100 17.4 13.8 20.6





#42

Toluene

Concen: 4.976 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

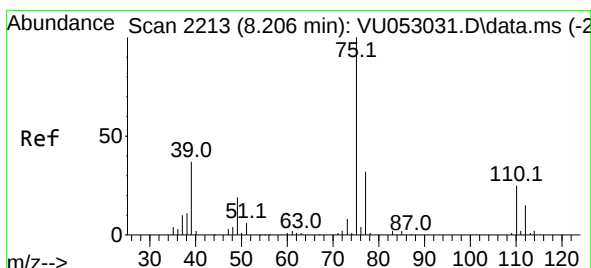
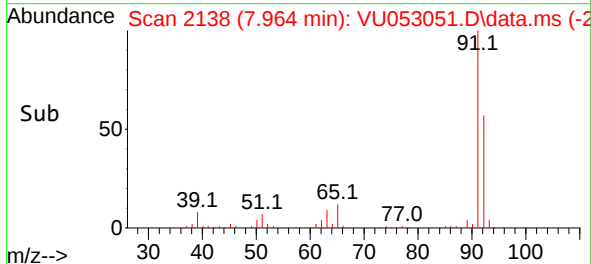
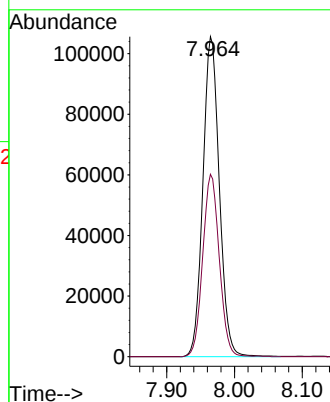
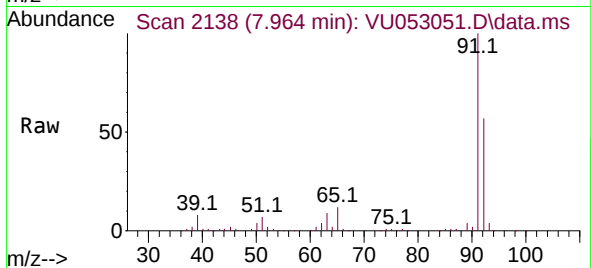
VSTD005136

Tgt Ion: 91 Resp: 177962

Ion Ratio Lower Upper

91 100

92 57.0 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.963 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. -0.000 min

Lab File: VU053051.D

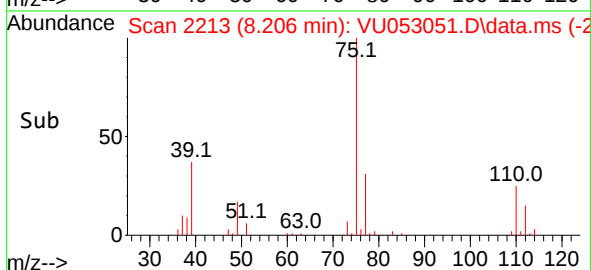
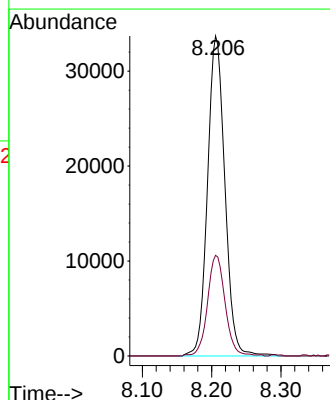
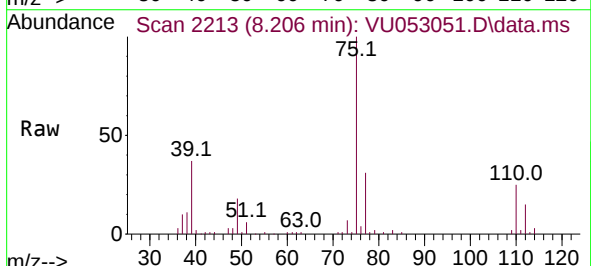
Acq: 10 Feb 2023 20:25

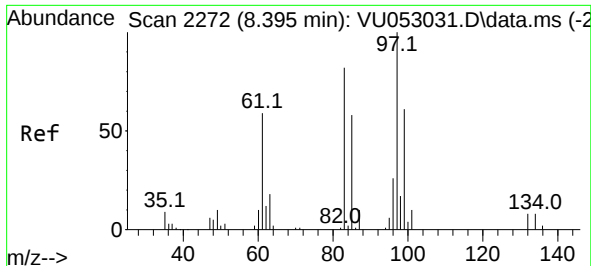
Tgt Ion: 75 Resp: 58537

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.3



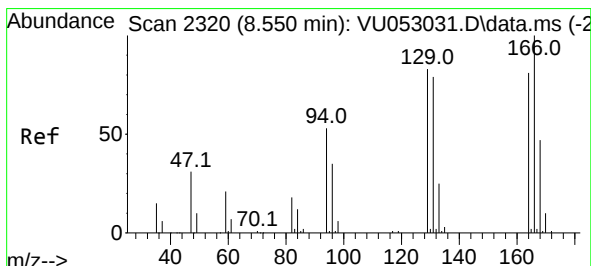
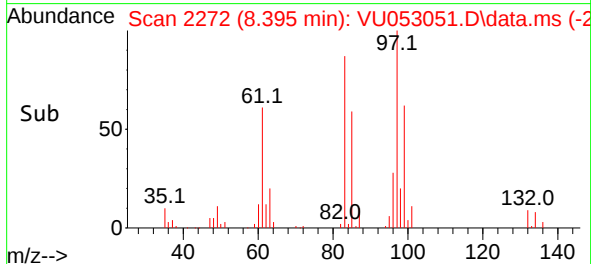
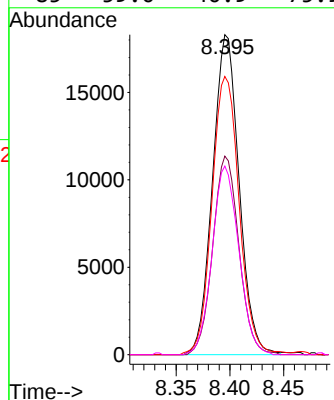
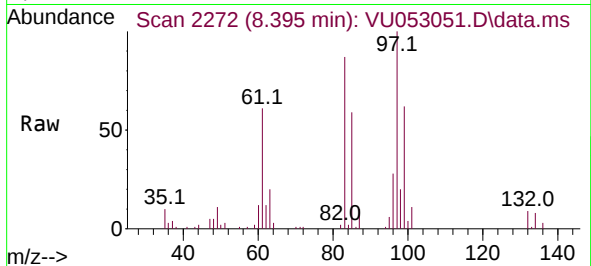


#45
1,1,2-Trichloroethane
Concen: 4.863 ug/L
RT: 8.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD005136

Tgt Ion: 97 Resp: 31410

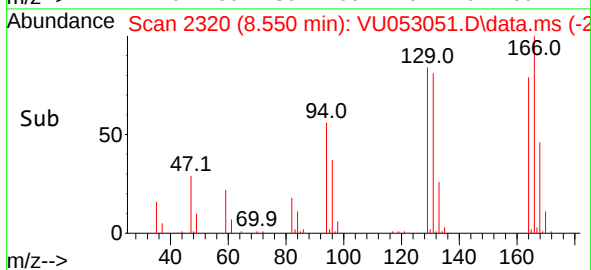
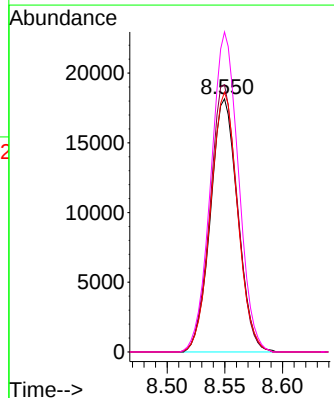
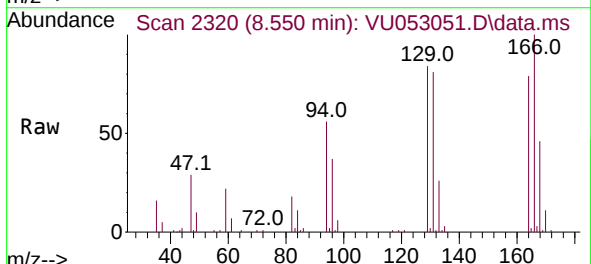
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.0	79.8
83	87.0	58.0	107.8
85	59.0	40.9	75.9

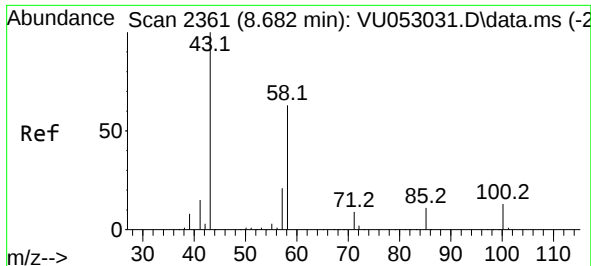


#47
Tetrachloroethene
Concen: 4.970 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion: 164 Resp: 29925

Ion	Ratio	Lower	Upper
164	100		
129	105.6	71.7	133.1
131	102.6	67.8	126.0
166	126.4	86.4	160.4



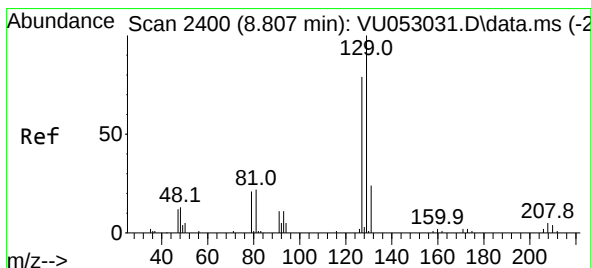
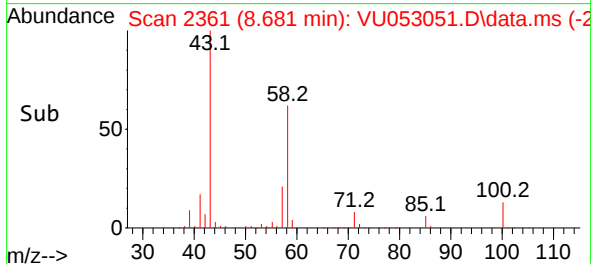
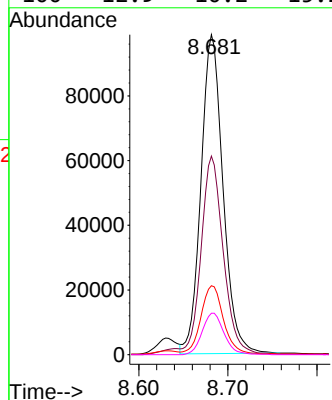
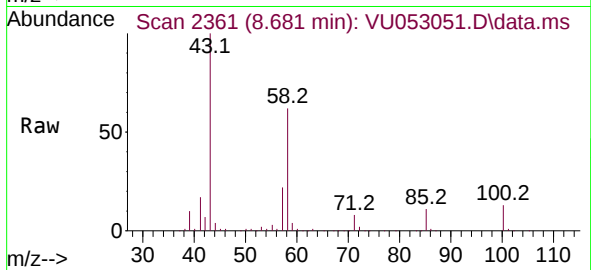


#48
2-Hexanone
Concen: 49.382 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD005136

Tgt Ion: 43 Resp: 169613

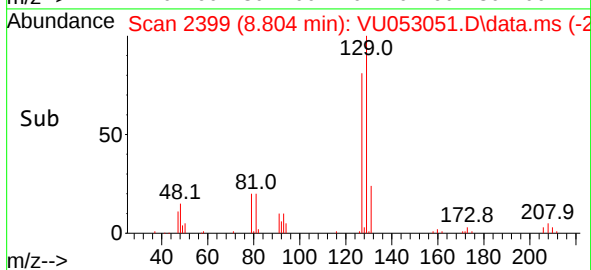
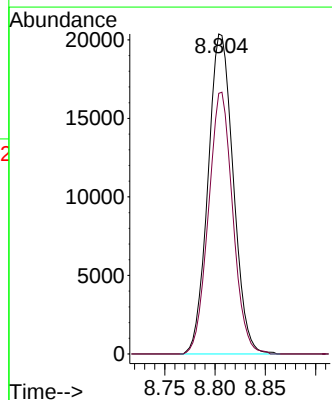
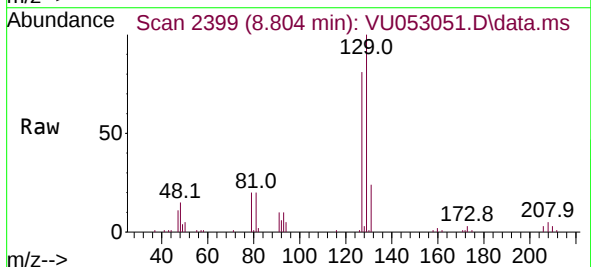
Ion	Ratio	Lower	Upper
43	100		
58	62.4	50.3	75.5
57	21.8	17.4	26.0
100	12.9	10.2	15.2

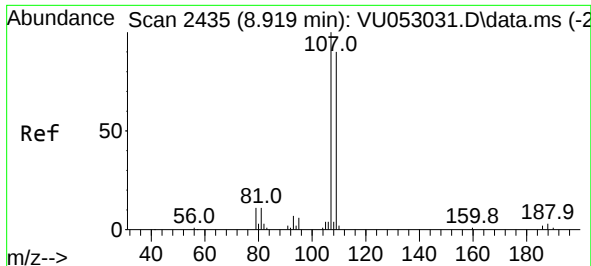


#49
Dibromochloromethane
Concen: 5.057 ug/L
RT: 8.804 min Scan# 2399
Delta R.T. -0.003 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion: 129 Resp: 35609

Ion	Ratio	Lower	Upper
129	100		
127	81.4	54.9	102.1

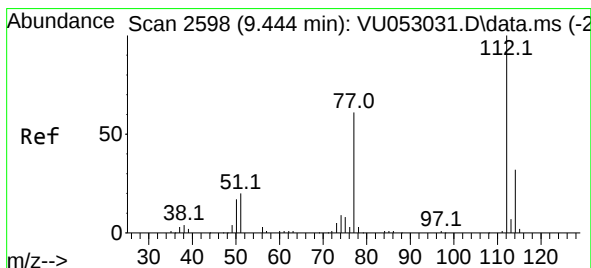
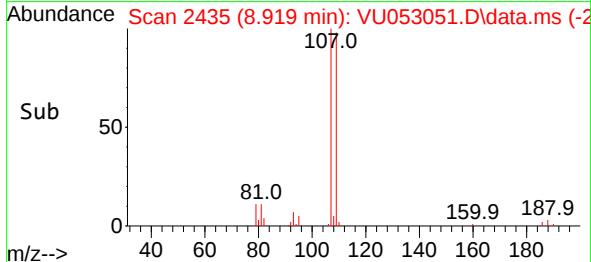
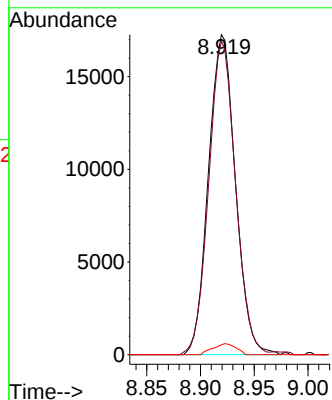
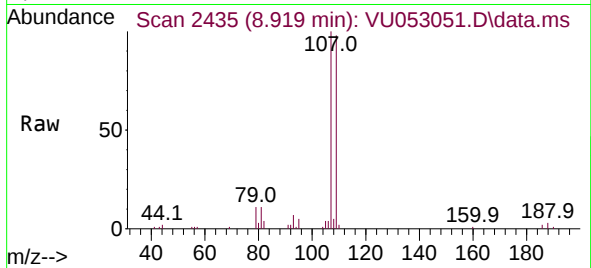




#50
1,2-Dibromoethane
Concen: 5.057 ug/L
RT: 8.919 min Scan# 2435
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

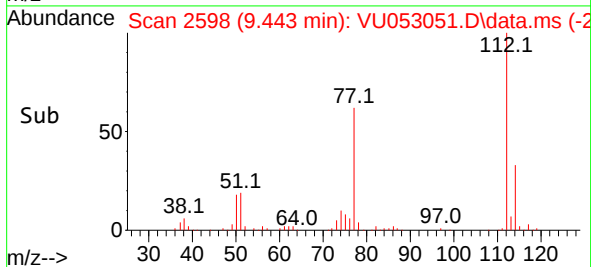
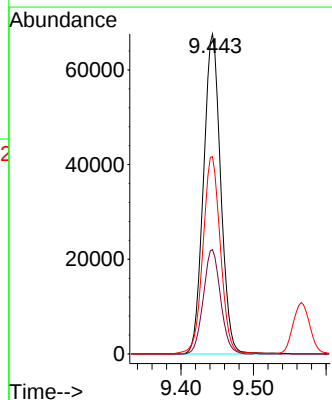
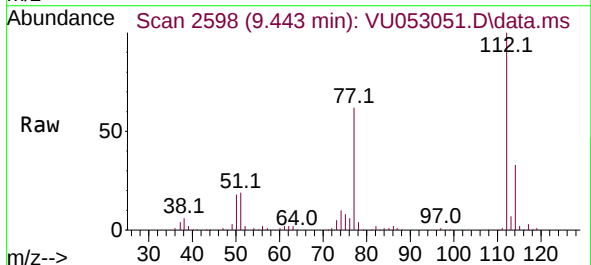
Instrument :
MSVOA_U
ClientSampleId :
VSTD005136

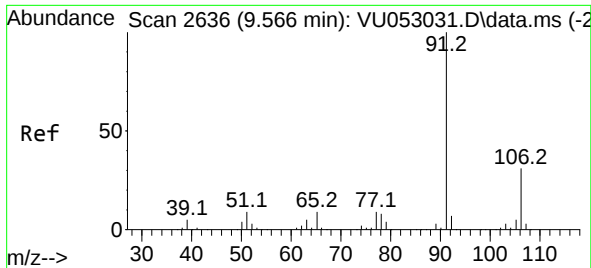
Tgt Ion:	107	Resp:	30135
Ion	Ratio	Lower	Upper
107	100		
109	98.1	63.1	117.1
188	3.1	2.5	3.7



#51
Chlorobenzene
Concen: 5.001 ug/L
RT: 9.443 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion:	112	Resp:	111569
Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.3	41.3
77	61.6	48.9	73.3

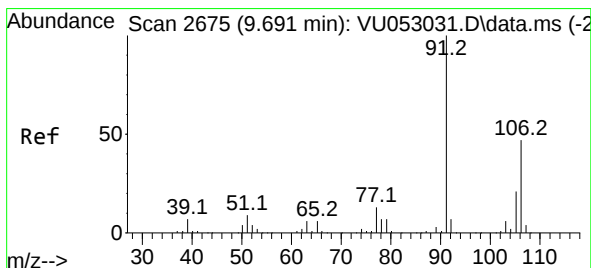
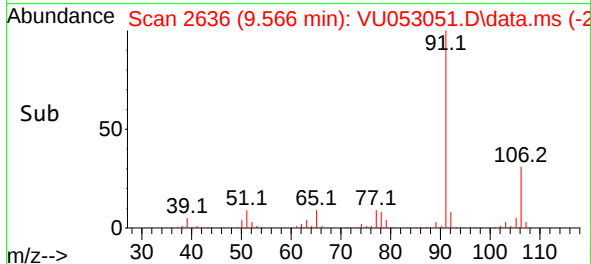
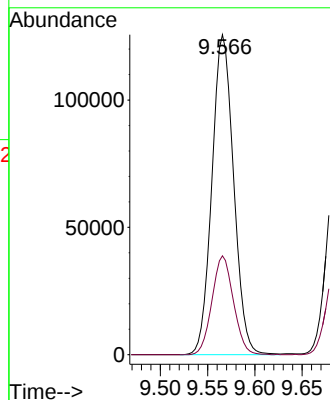
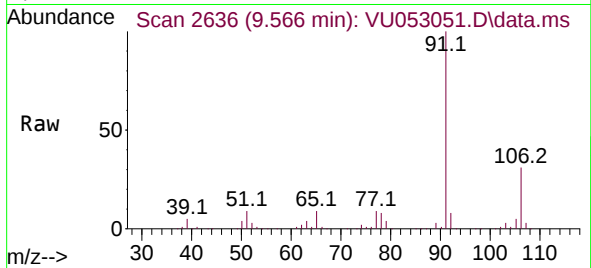




#52
Ethylbenzene
Concen: 4.945 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. -0.000 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

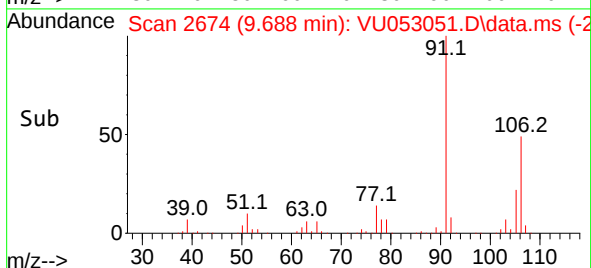
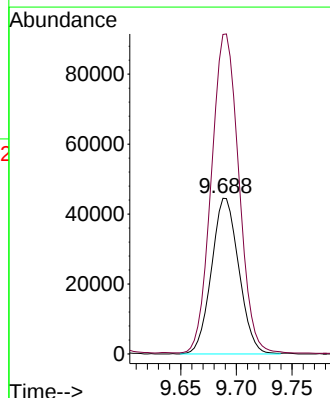
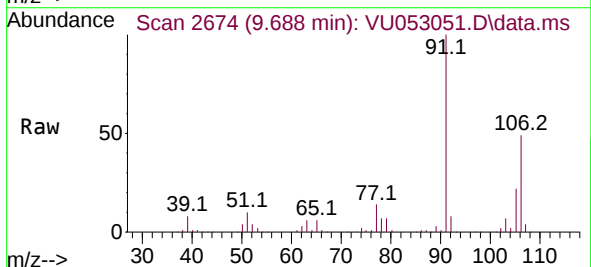
Instrument :
MSVOA_U
ClientSampleId :
VSTD005136

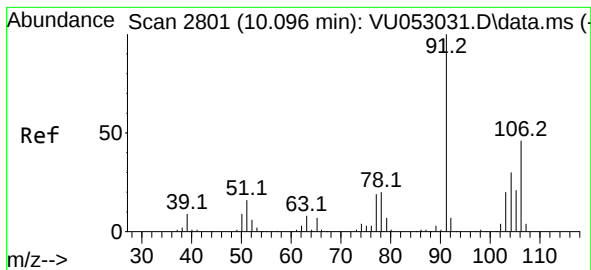
Tgt Ion: 91 Resp: 200679
Ion Ratio Lower Upper
91 100
106 30.9 21.4 39.8



#53
m,p-Xylene
Concen: 5.010 ug/L
RT: 9.688 min Scan# 2674
Delta R.T. -0.003 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion: 106 Resp: 76024
Ion Ratio Lower Upper
106 100
91 205.2 149.9 278.3





#54

o-Xylene

Concen: 5.048 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

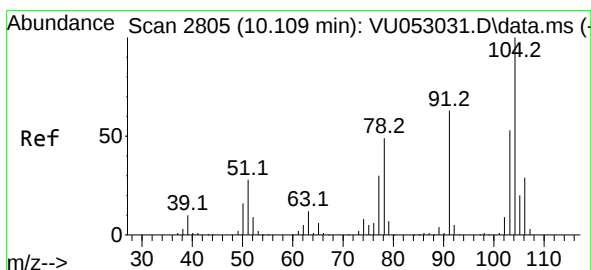
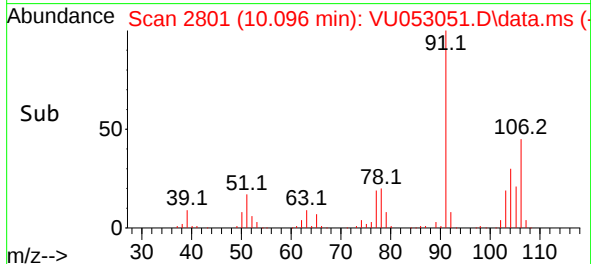
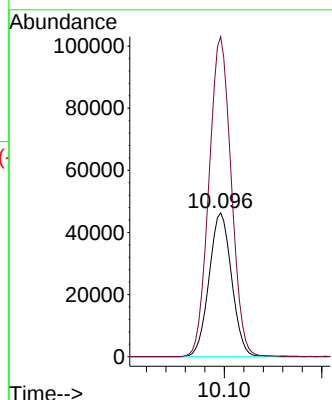
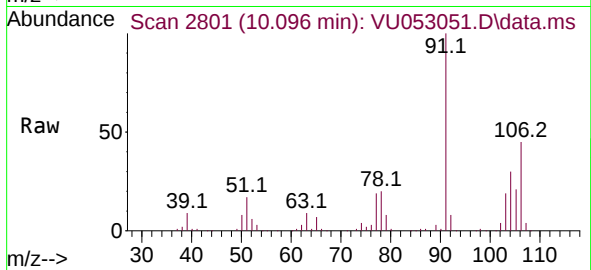
VSTD005136

Tgt Ion:106 Resp: 74268

Ion Ratio Lower Upper

106 100

91 222.6 153.6 285.2



#55

Styrene

Concen: 5.049 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. -0.000 min

Lab File: VU053051.D

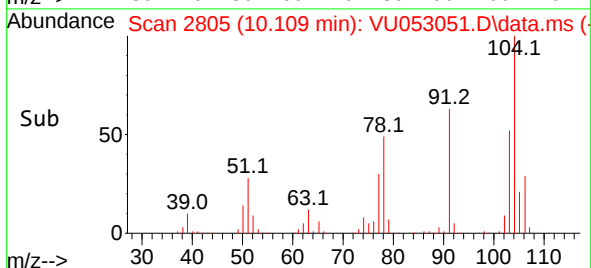
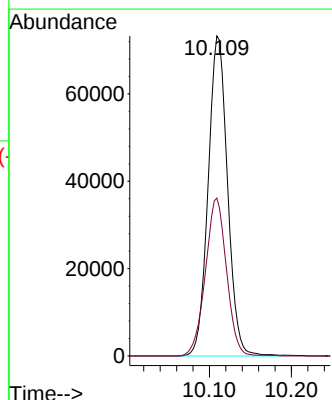
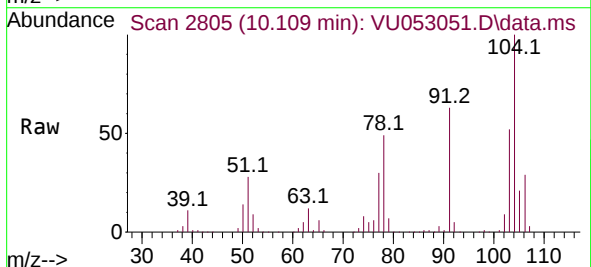
Acq: 10 Feb 2023 20:25

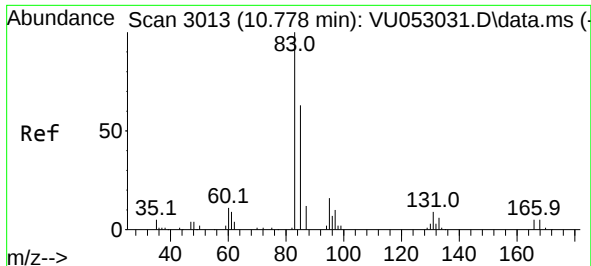
Tgt Ion:104 Resp: 120494

Ion Ratio Lower Upper

104 100

78 49.4 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.916 ug/L

RT: 10.778 min Scan# 3013

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD005136

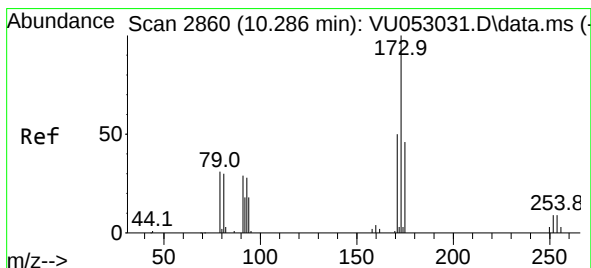
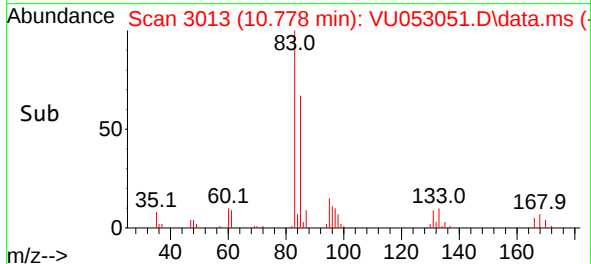
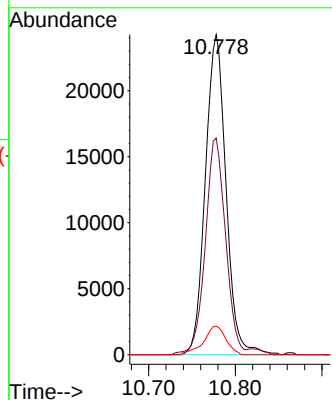
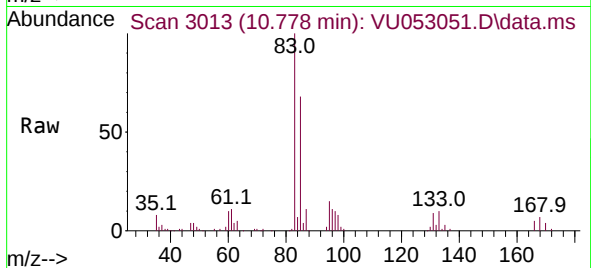
Tgt Ion: 83 Resp: 40175

Ion Ratio Lower Upper

83 100

85 67.7 44.7 82.9

131 8.9 7.8 11.6



#59

Bromoform

Concen: 5.153 ug/L

RT: 10.286 min Scan# 2860

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

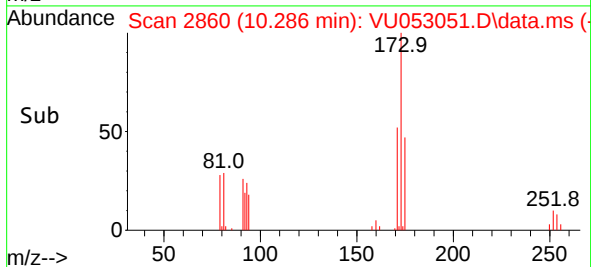
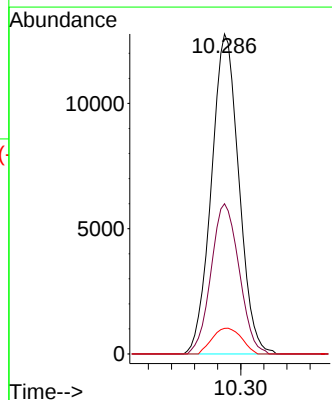
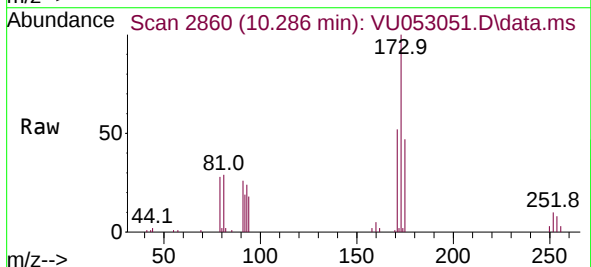
Tgt Ion: 173 Resp: 21078

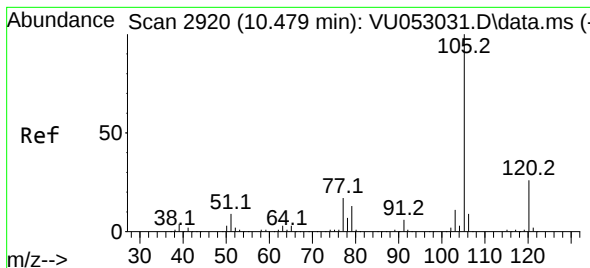
Ion Ratio Lower Upper

173 100

175 48.0 38.9 58.3

254 8.6 7.0 10.4





#60

Isopropylbenzene

Concen: 4.947 ug/L

RT: 10.479 min Scan# 2920

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD005136

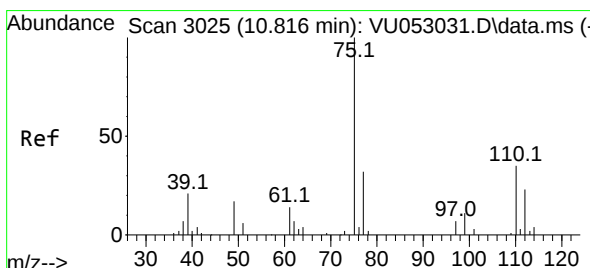
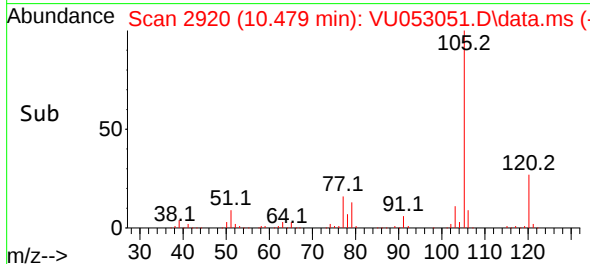
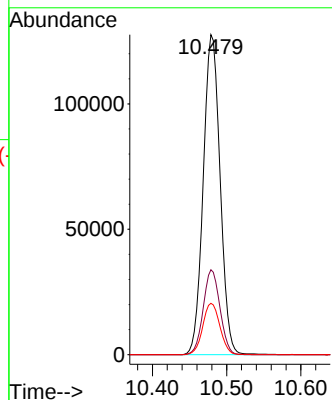
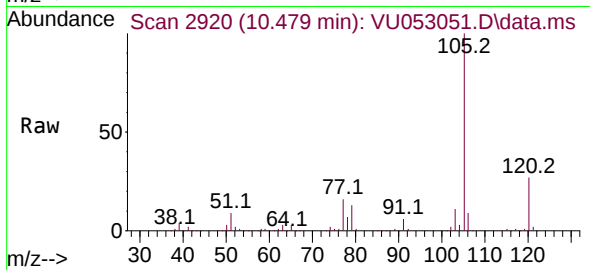
Tgt Ion:105 Resp: 201396

Ion Ratio Lower Upper

105 100

120 26.3 20.6 31.0

77 16.3 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 4.989 ug/L

RT: 10.820 min Scan# 3026

Delta R.T. 0.003 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

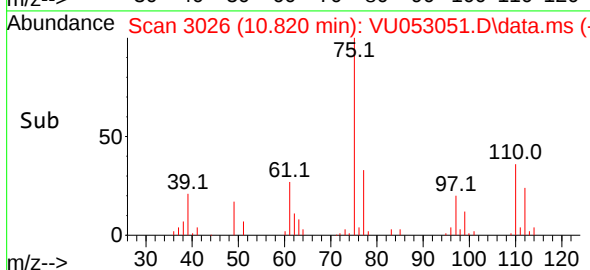
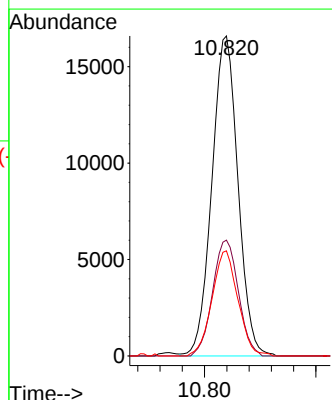
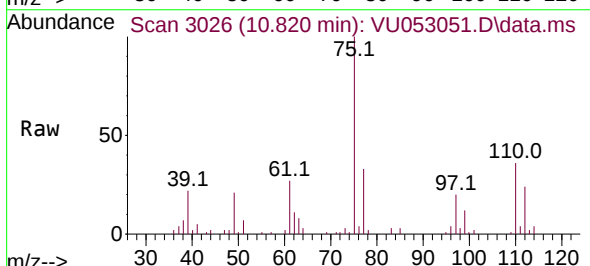
Tgt Ion: 75 Resp: 26959

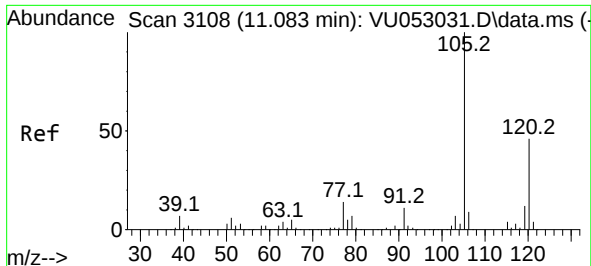
Ion Ratio Lower Upper

75 100

110 35.8 28.6 42.8

77 32.6 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 4.896 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

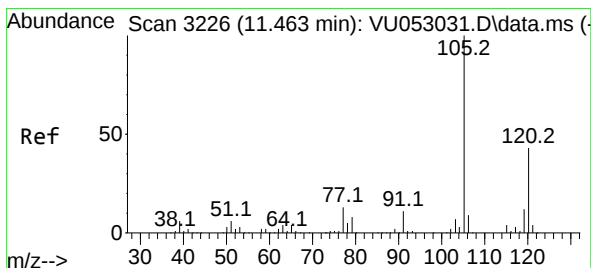
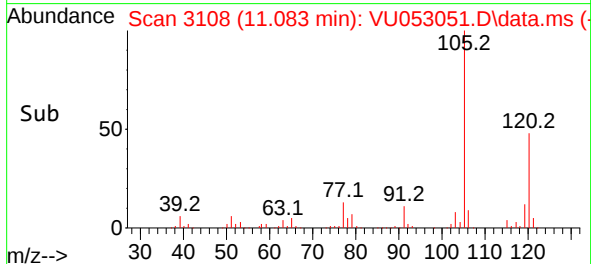
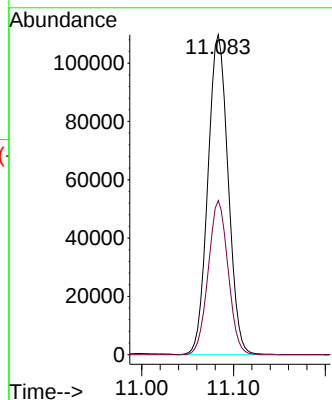
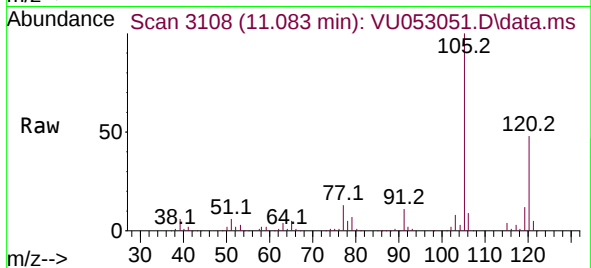
VSTD005136

Tgt Ion:105 Resp: 168327

Ion Ratio Lower Upper

105 100

120 47.1 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 4.945 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. -0.000 min

Lab File: VU053051.D

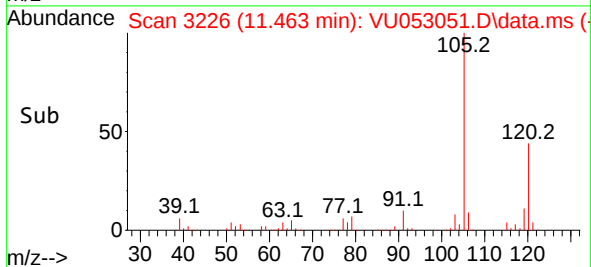
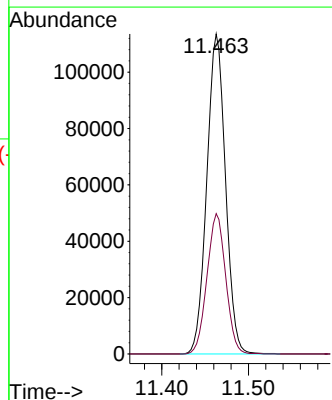
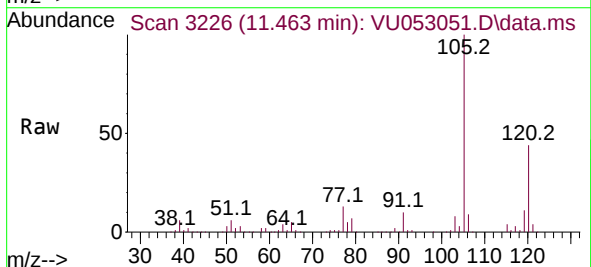
Acq: 10 Feb 2023 20:25

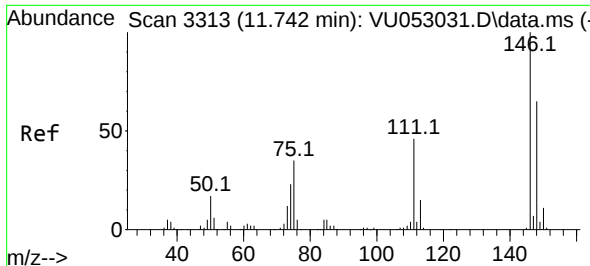
Tgt Ion:105 Resp: 170179

Ion Ratio Lower Upper

105 100

120 44.0 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 4.979 ug/L

RT: 11.742 min Scan# 3313

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD005136

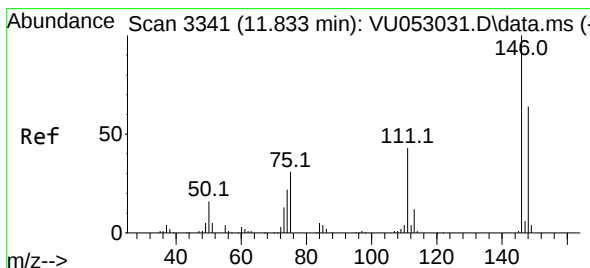
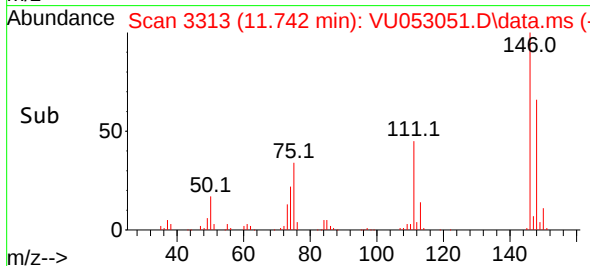
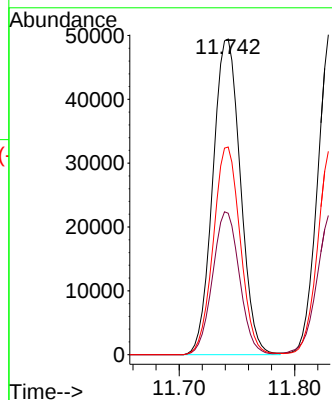
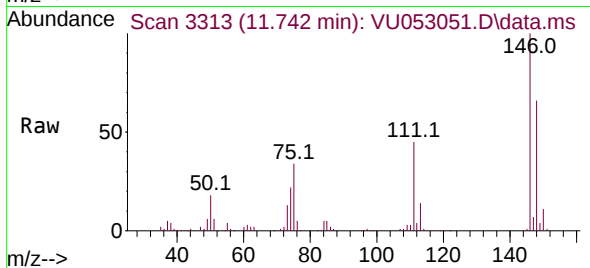
Tgt Ion:146 Resp: 82087

Ion Ratio Lower Upper

146 100

111 44.8 32.0 59.4

148 65.8 45.3 84.1



#65

1,4-Dichlorobenzene

Concen: 4.915 ug/L

RT: 11.832 min Scan# 3341

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

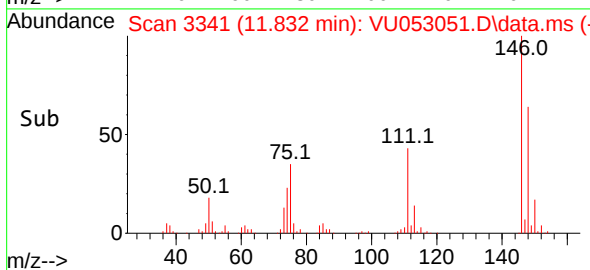
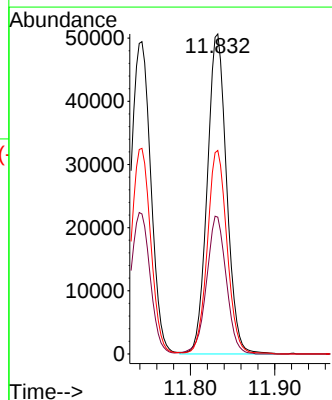
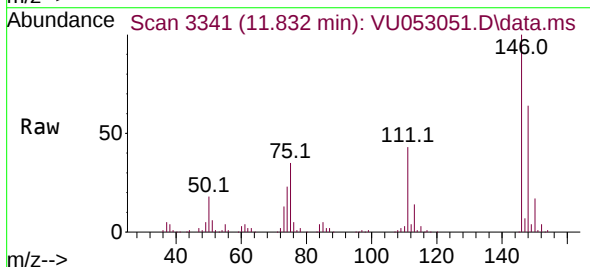
Tgt Ion:146 Resp: 81195

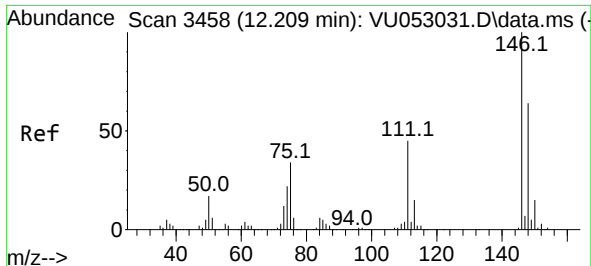
Ion Ratio Lower Upper

146 100

111 42.7 30.3 56.3

148 63.6 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 4.977 ug/L

RT: 12.209 min Scan# 3458

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD005136

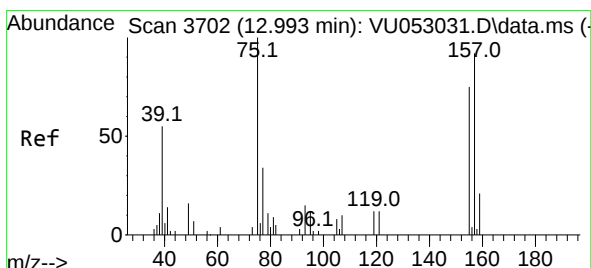
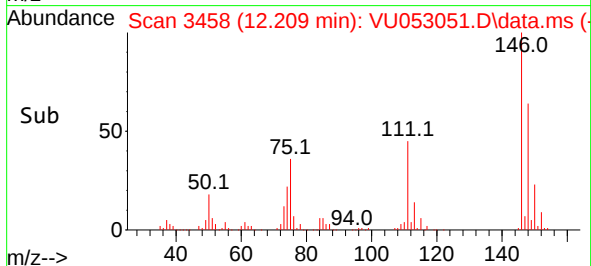
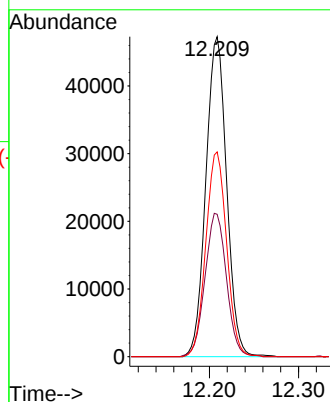
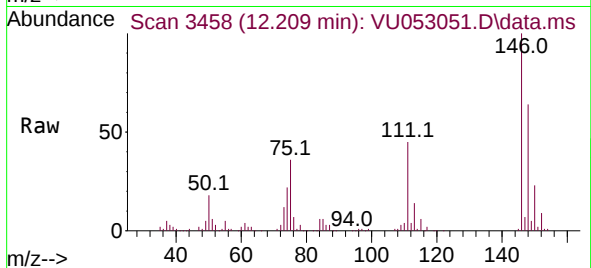
Tgt Ion:146 Resp: 76506

Ion Ratio Lower Upper

146 100

111 44.5 36.3 54.5

148 64.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.239 ug/L

RT: 12.993 min Scan# 3702

Delta R.T. -0.000 min

Lab File: VU053051.D

Acq: 10 Feb 2023 20:25

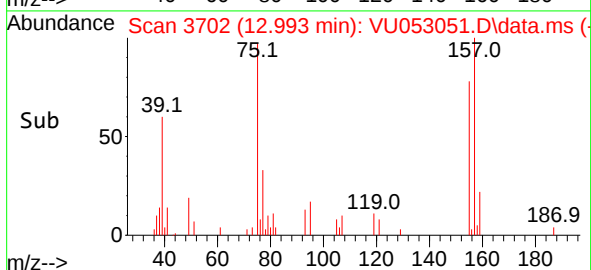
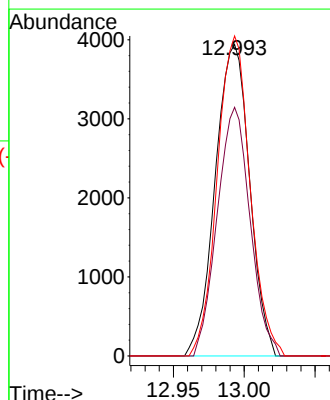
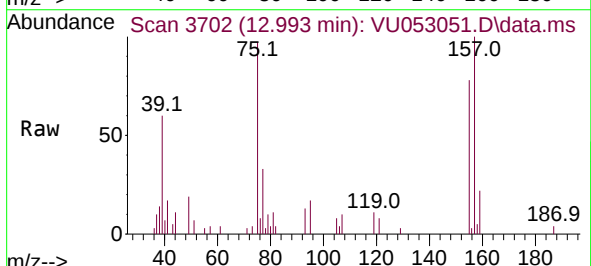
Tgt Ion: 75 Resp: 6653

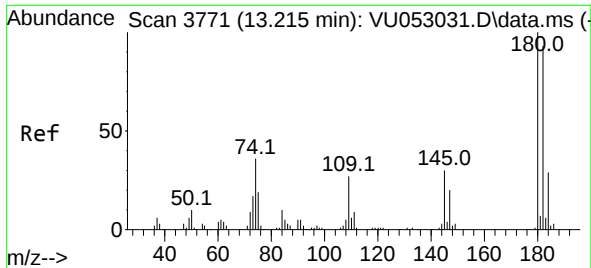
Ion Ratio Lower Upper

75 100

155 79.8 59.8 89.8

157 102.7 73.2 109.8

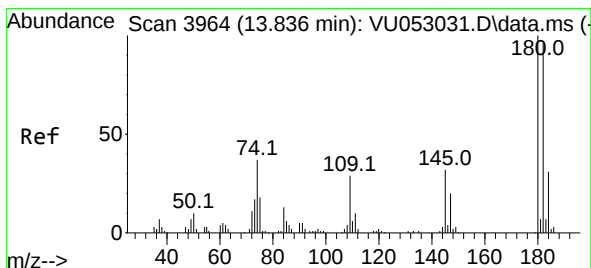
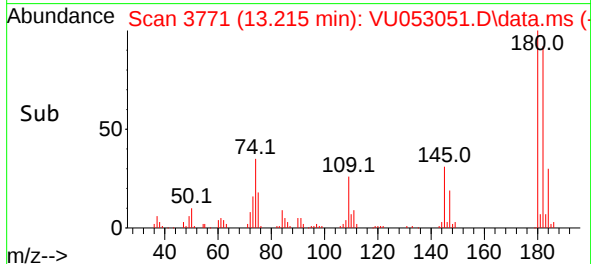
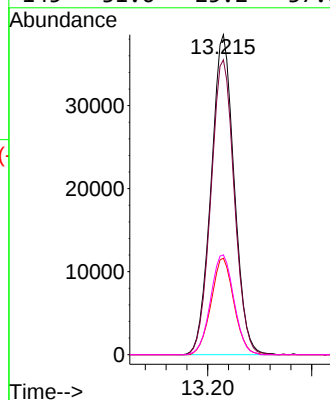
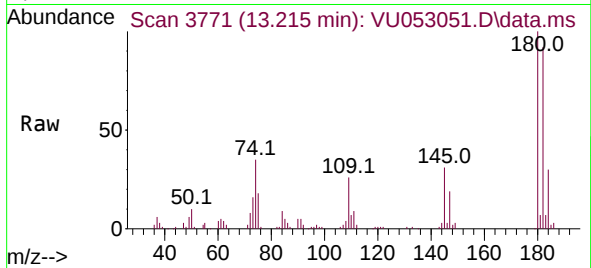




#69
 1,3,5-Trichlorobenzene
 Concen: 5.040 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. -0.000 min
 Lab File: VU053051.D
 Acq: 10 Feb 2023 20:25

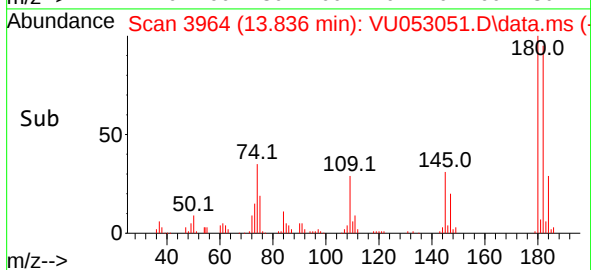
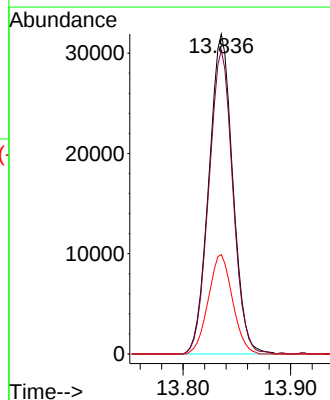
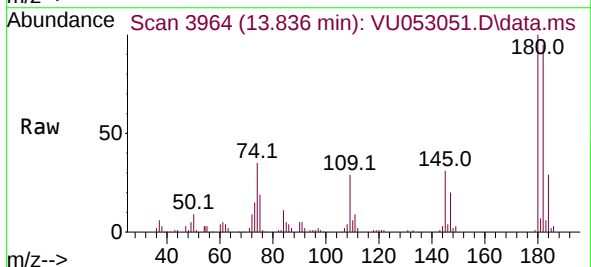
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005136

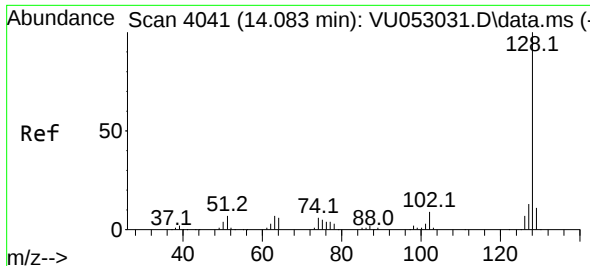
Tgt Ion:180 Resp: 59189
 Ion Ratio Lower Upper
 180 100
 182 93.4 75.4 113.0
 184 29.9 23.8 35.6
 145 31.6 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.064 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. -0.000 min
 Lab File: VU053051.D
 Acq: 10 Feb 2023 20:25

Tgt Ion:180 Resp: 49370
 Ion Ratio Lower Upper
 180 100
 182 94.8 74.9 112.3
 145 31.3 25.1 37.7

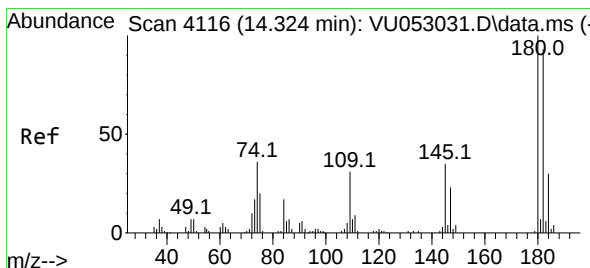
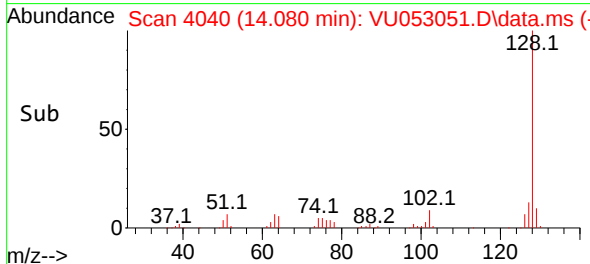
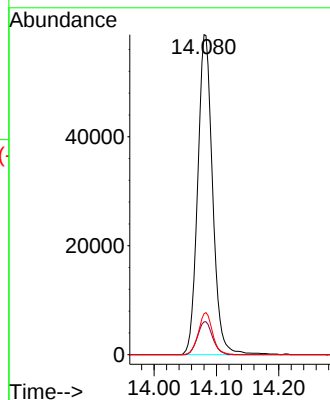
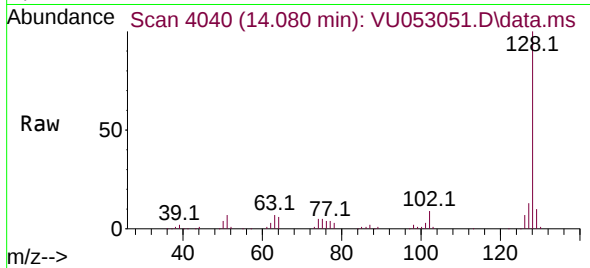




#71
Naphthalene
Concen: 4.982 ug/L
RT: 14.080 min Scan# 4041
Delta R.T. -0.003 min
Lab File: VU053051.D
Acq: 10 Feb 2023 20:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD005136

Tgt Ion:128 Resp: 97412
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 12.5 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: VU053051.D
Acq: 10 Feb 2023 20:25

Tgt Ion:180 Resp: 44689
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.4
145 33.6 28.2 42.2

