

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021823\
 Data File : VU053138.D
 Acq On : 18 Feb 2023 16:50
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005142

Quant Time: Feb 19 23:29:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 19 23:26:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	137948	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	125368	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	60808	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	24340	3.683	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.600%
7) Chloroethane-d5	1.913	69	27176	4.375	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.400%
11) 1,1-Dichloroethene-d2	2.563	65	12057	3.978	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	4.646	46	111879	55.277	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.560%
24) Chloroform-d	5.058	84	73510	4.834	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.698	65	37663	4.915	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.723	84	129665	4.603	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
36) 1,2-Dichloropropane-d6	6.685	67	46718	4.761	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.894	98	111496	4.381	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	8.173	79	16595	4.178	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.600%
46) 2-Hexanone-d5	8.630	63	87467	49.597	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.200%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	42300	5.020	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	45011	4.955	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	49775	4.915	ug/L	98
3) Chloromethane	1.518	50	51187	4.851	ug/L	98
5) Vinyl chloride	1.601	62	54542	4.691	ug/L	97
6) Bromomethane	1.859	94	32303	4.468	ug/L	99
8) Chloroethane	1.933	64	32260	4.712	ug/L	99
9) Trichlorofluoromethane	2.138	101	74651	4.661	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	42615	4.833	ug/L	98
12) 1,1-Dichloroethene	2.579	96	40689	4.986	ug/L	97
13) Acetone	2.666	43	57839	39.810	ug/L	82
14) Carbon disulfide	2.791	76	124924	5.070	ug/L	99
15) Methyl Acetate	2.958	43	19323	5.447	ug/L #	78
16) Methylene chloride	3.042	84	49304	5.222	ug/L	94
17) Methyl tert-butyl Ether	3.360	73	109916	4.960	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	42077	4.873	ug/L	96
19) 1,1-Dichloroethane	3.865	63	84141	5.173	ug/L	97
21) 2-Butanone	4.723	43	104419	48.651	ug/L	100
22) cis-1,2-Dichloroethene	4.659	96	49202	5.049	ug/L	96
23) Bromochloromethane	4.974	128	20810	5.392	ug/L	97
25) Chloroform	5.084	83	83643	4.920	ug/L	97

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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005142

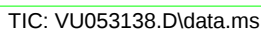
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 19 23:26:18 2023
 Response via : Initial Calibration

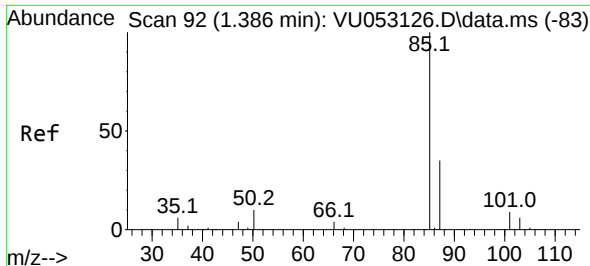
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	51405	4.919	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	72555	4.844	ug/L	98
30) Cyclohexane	5.383	56	73901	4.935	ug/L	98
31) Carbon tetrachloride	5.521	117	61483	4.918	ug/L	97
33) Benzene	5.768	78	181674	5.029	ug/L	100
34) Trichloroethene	6.540	95	48811	4.802	ug/L	98
35) Methylcyclohexane	6.759	83	79624	4.838	ug/L	99
37) 1,2-Dichloropropane	6.788	63	50112	5.094	ug/L	100
38) Bromodichloromethane	7.100	83	60987	4.781	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	72535	4.623	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	261318	50.888	ug/L	99
42) Toluene	7.964	91	195543	4.983	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	60934	4.708	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	34591	4.881	ug/L	94
47) Tetrachloroethene	8.550	164	32783	4.962	ug/L	96
48) 2-Hexanone	8.681	43	182641	48.460	ug/L	99
49) Dibromochloromethane	8.804	129	38832	5.025	ug/L	100
50) 1,2-Dibromoethane	8.919	107	32949	5.039	ug/L	94
51) Chlorobenzene	9.444	112	122339	4.997	ug/L	99
52) Ethylbenzene	9.566	91	220206	4.945	ug/L	99
53) m,p-Xylene	9.688	106	83182	4.995	ug/L	98
54) o-Xylene	10.096	106	82464	5.109	ug/L	98
55) Styrene	10.109	104	133018	5.080	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	44218	4.931	ug/L	99
59) Bromoform	10.286	173	21117	4.777	ug/L	98
60) Isopropylbenzene	10.479	105	218924	4.976	ug/L	99
61) 1,2,3-Trichloropropane	10.816	75	30431	5.212	ug/L	96
62) 1,3,5-Trimethylbenzene	11.083	105	184629	4.970	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	185584	4.991	ug/L	99
64) 1,3-Dichlorobenzene	11.739	146	88214	4.951	ug/L	99
65) 1,4-Dichlorobenzene	11.829	146	86932	4.870	ug/L	100
67) 1,2-Dichlorobenzene	12.205	146	84401	5.081	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	6578	4.793	ug/L	94
69) 1,3,5-Trichlorobenzene	13.215	180	59121	4.659	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	50607	4.803	ug/L	99
71) Naphthalene	14.080	128	101192	4.789	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	44844	4.823	ug/L	98

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

Instrument :
MSVOA_U
ClientSampleId :
VSTD005142

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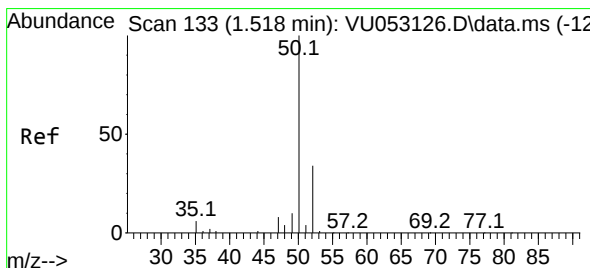
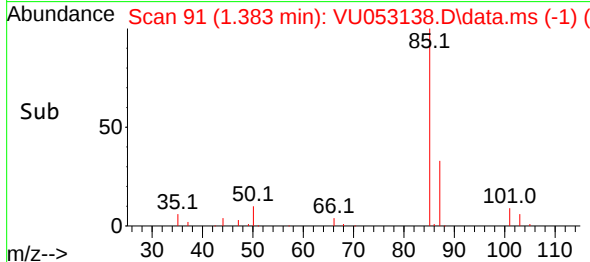
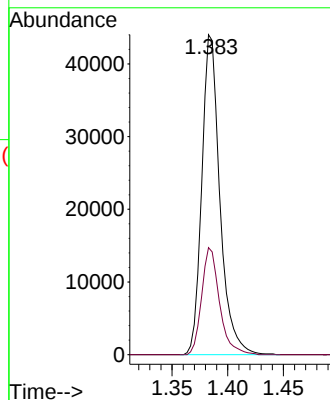
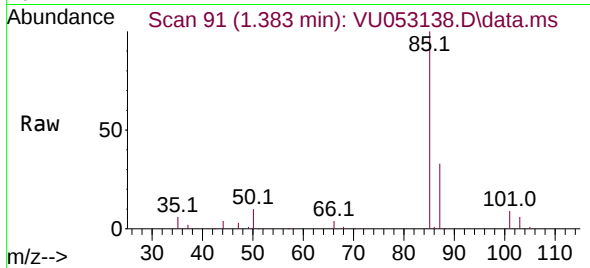




#2
 Dichlorodifluoromethane
 Concen: 4.915 ug/L
 RT: 1.383 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU053138.D
 Acq: 18 Feb 2023 16:50

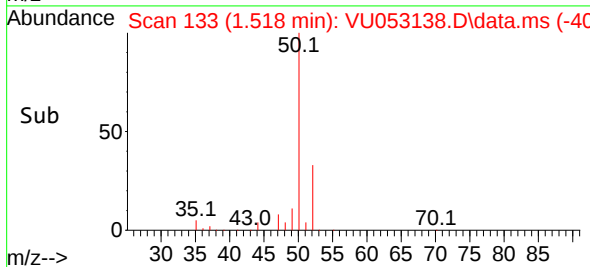
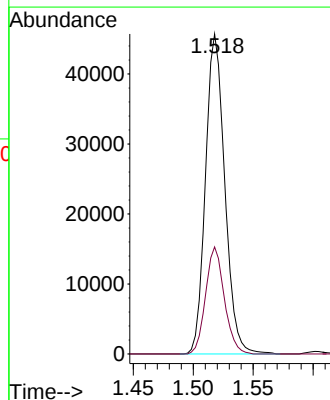
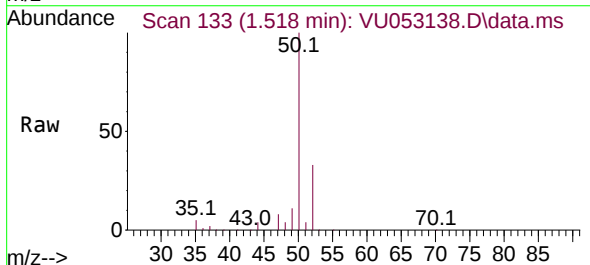
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 ClientSampleId :
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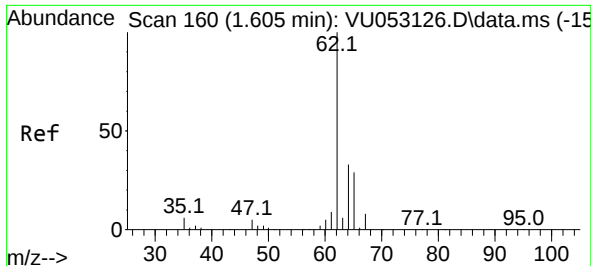
Tgt Ion: 85 Resp: 49775
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.5 38.3



#3
 Chloromethane
 Concen: 4.851 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. 0.000 min
 Lab File: VU053138.D
 Acq: 18 Feb 2023 16:50

Tgt Ion: 50 Resp: 51187
 Ion Ratio Lower Upper
 50 100
 52 33.4 24.1 44.7

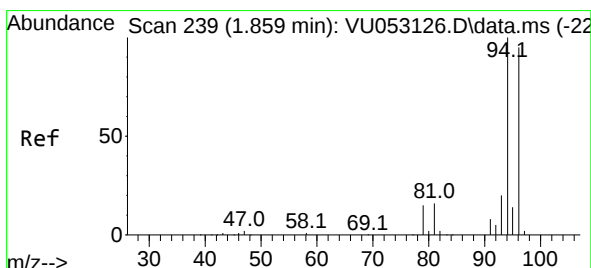
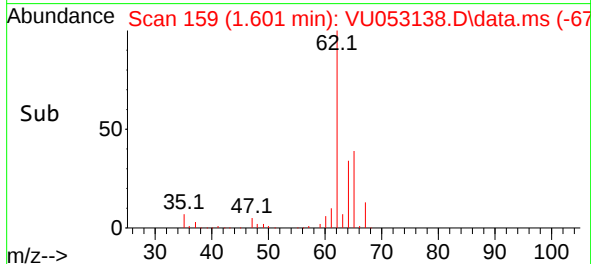
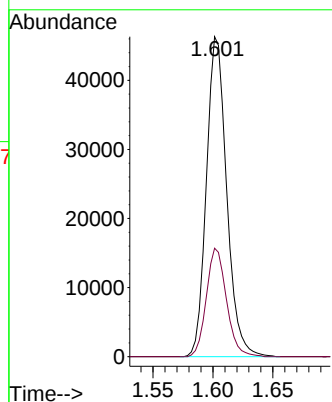
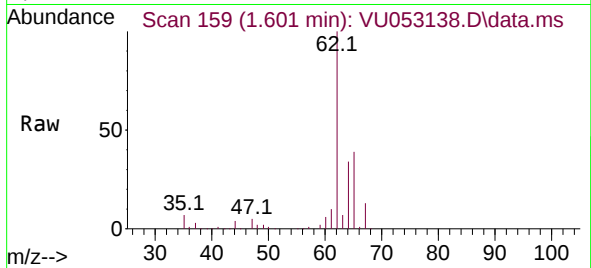




#5
 Vinyl chloride
 Concen: 4.691 ug/L
 RT: 1.601 min Scan# 1
 Delta R.T. -0.003 min
 Lab File: VU053138.D
 Acq: 18 Feb 2023 16:50

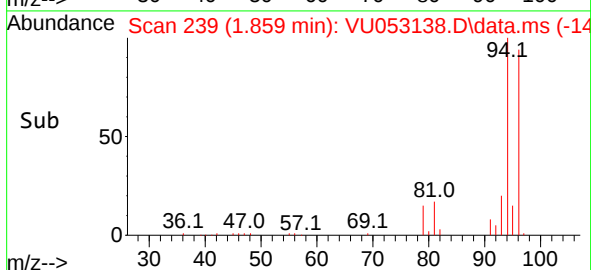
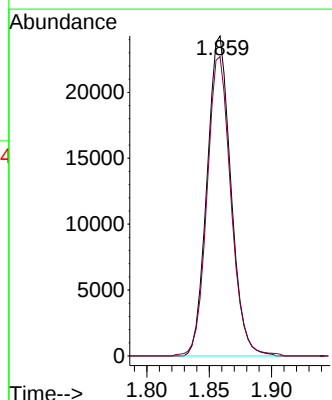
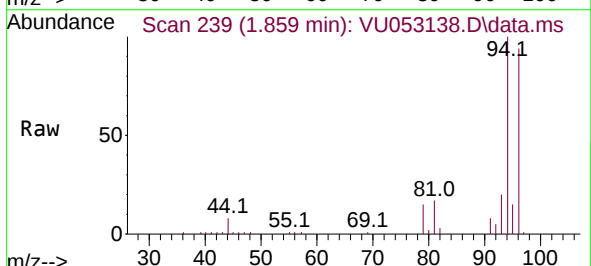
Instrument :
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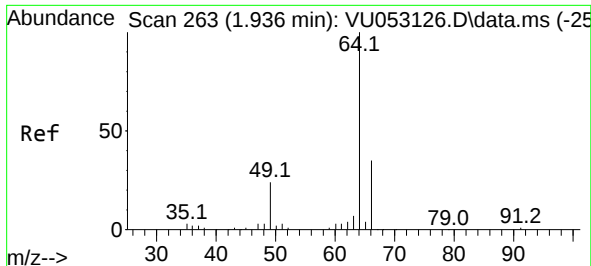
Tgt Ion: 62 Resp: 54542
 Ion Ratio Lower Upper
 62 100
 64 33.9 22.5 41.9



#6
 Bromomethane
 Concen: 4.468 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. 0.000 min
 Lab File: VU053138.D
 Acq: 18 Feb 2023 16:50

Tgt Ion: 94 Resp: 32303
 Ion Ratio Lower Upper
 94 100
 96 93.5 64.8 120.3





#8

Chloroethane

Concen: 4.712 ug/L

RT: 1.933 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

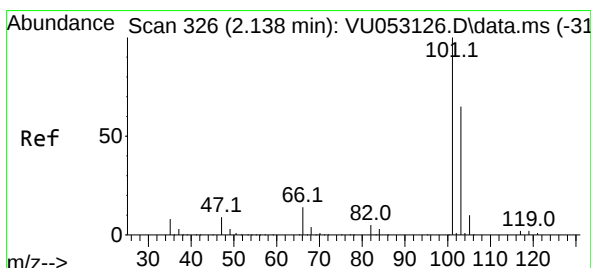
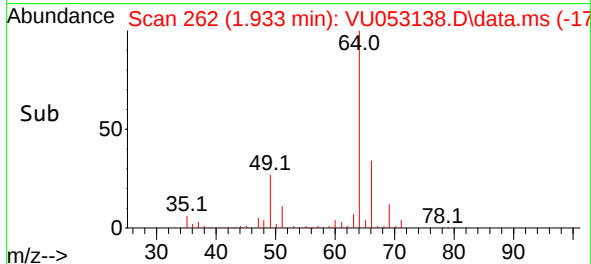
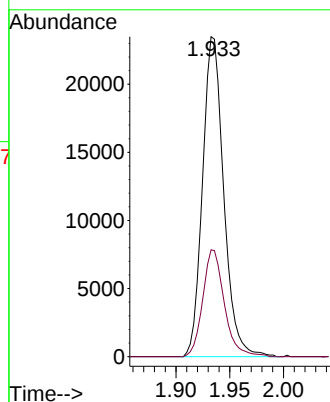
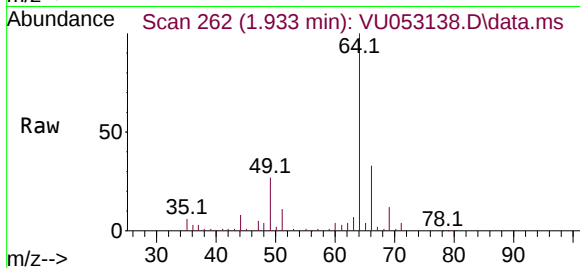
VSTD005142

Tgt Ion: 64 Resp: 32260

Ion Ratio Lower Upper

64 100

66 33.4 23.9 44.3



#9

Trichlorofluoromethane

Concen: 4.661 ug/L

RT: 2.138 min Scan# 326

Delta R.T. 0.000 min

Lab File: VU053138.D

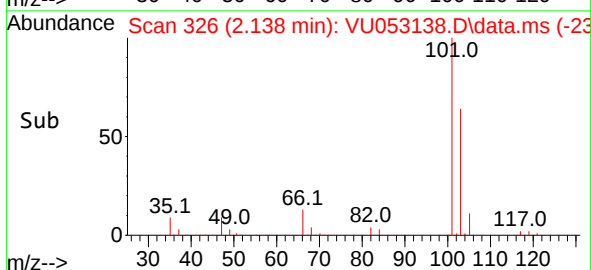
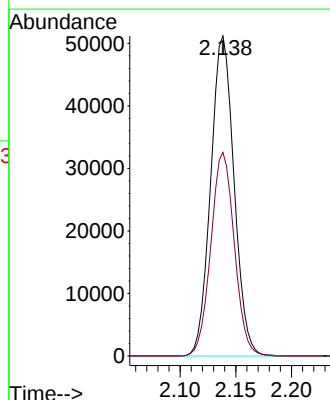
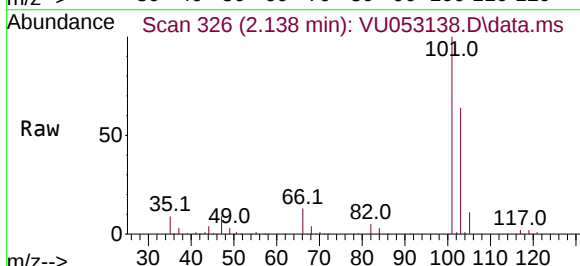
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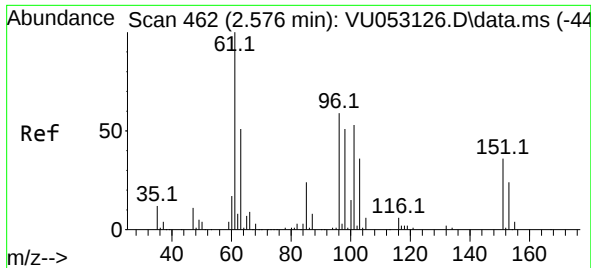
Tgt Ion:101 Resp: 74651

Ion Ratio Lower Upper

101 100

103 64.0 52.6 78.8

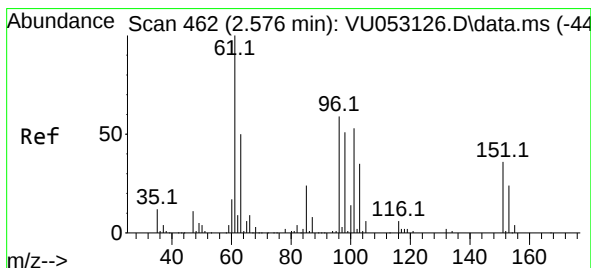
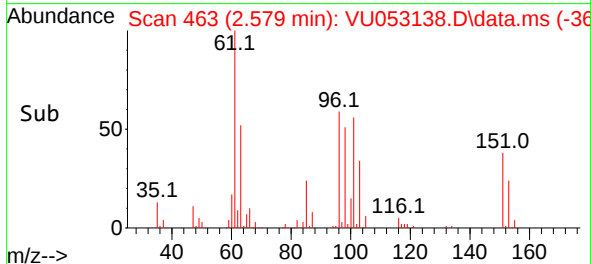
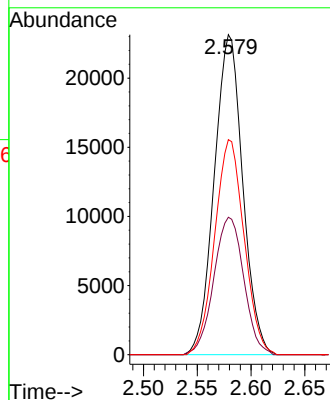
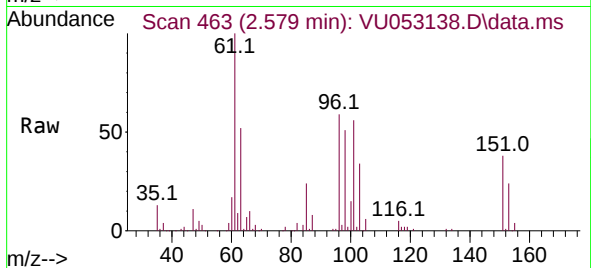




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.833 ug/L
RT: 2.579 min Scan# 463
Delta R.T. 0.003 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

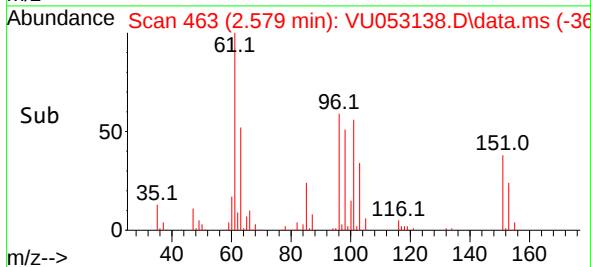
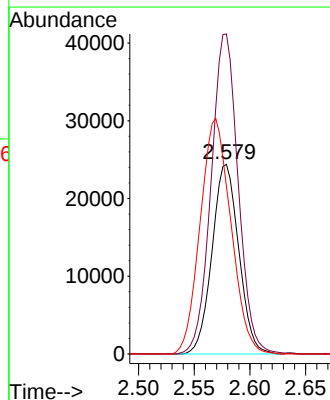
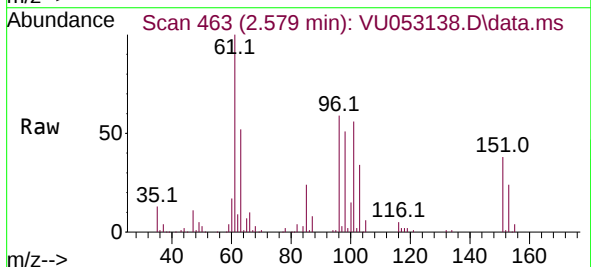
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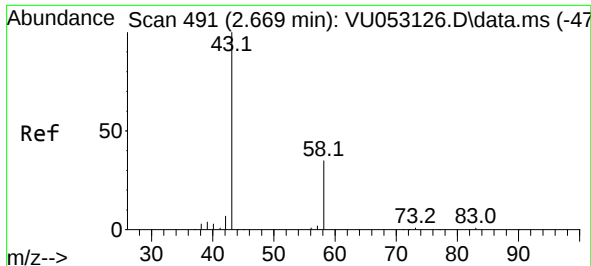
Tgt Ion:101 Resp: 42615
Ion Ratio Lower Upper
101 100
85 45.2 36.8 55.2
151 69.3 53.8 80.8



#12
1,1-Dichloroethene
Concen: 4.986 ug/L
RT: 2.579 min Scan# 463
Delta R.T. 0.003 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

Tgt Ion: 96 Resp: 40689
Ion Ratio Lower Upper
96 100
61 168.7 115.1 213.7
63 88.4 63.6 118.0





#13

Acetone

Concen: 39.810 ug/L

RT: 2.666 min Scan# 491

Delta R.T. -0.003 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

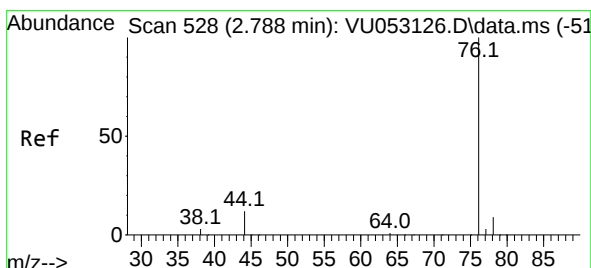
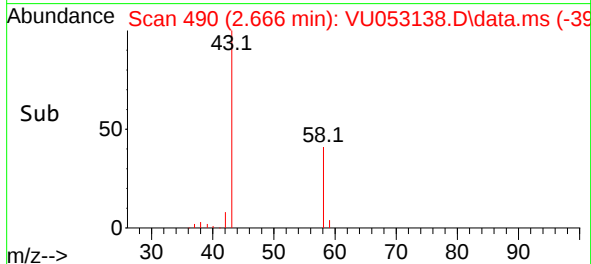
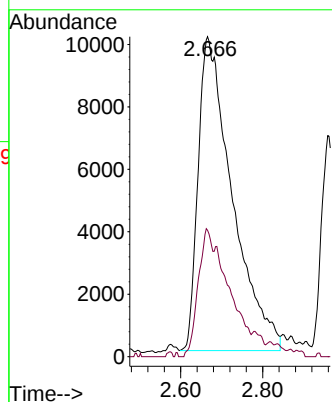
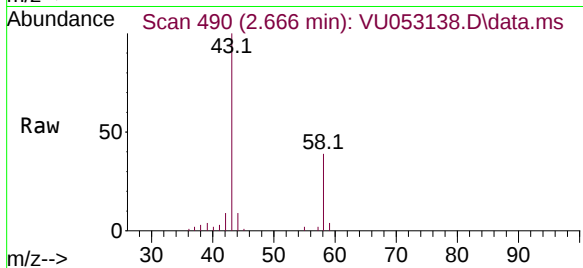
VSTD005142

Tgt Ion: 43 Resp: 57839

Ion Ratio Lower Upper

43 100

58 16.6 0.0 19.6



#14

Carbon disulfide

Concen: 5.070 ug/L

RT: 2.791 min Scan# 529

Delta R.T. 0.003 min

Lab File: VU053138.D

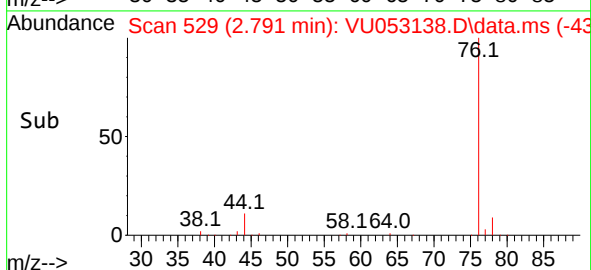
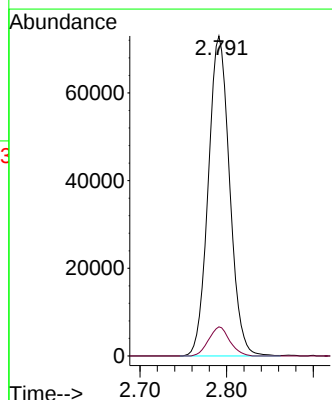
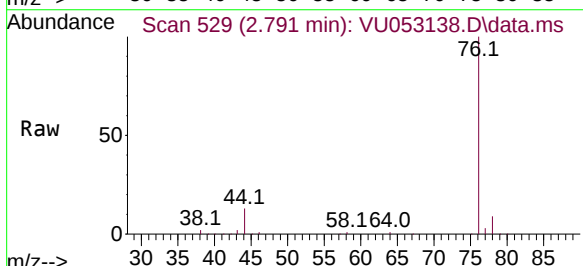
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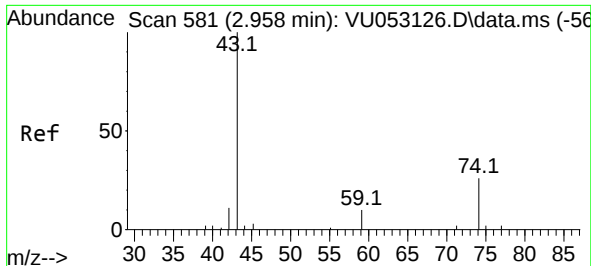
Tgt Ion: 76 Resp: 124924

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

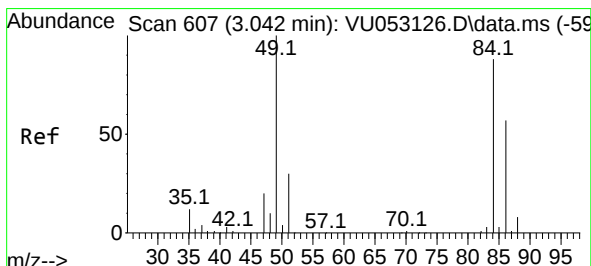
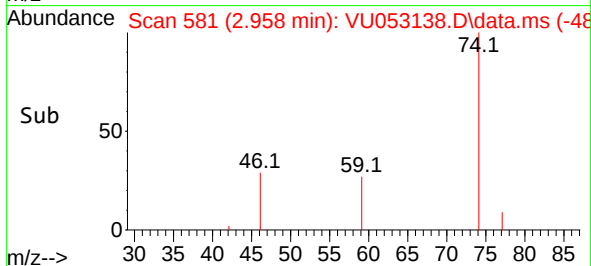
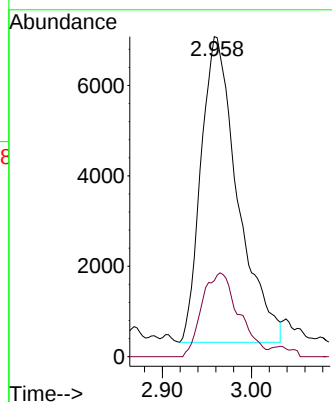
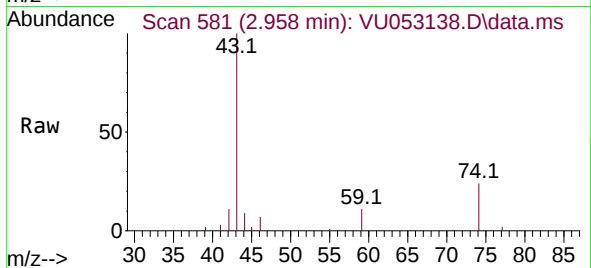




#15
Methyl Acetate
Concen: 5.447 ug/L
RT: 2.958 min Scan# 581
Delta R.T. 0.000 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

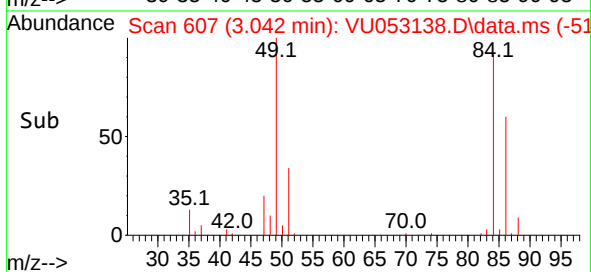
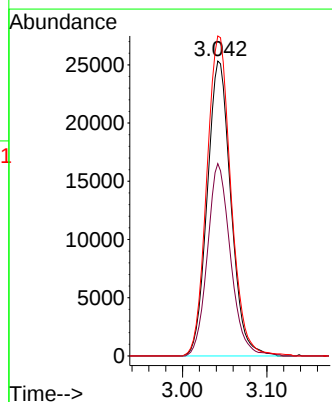
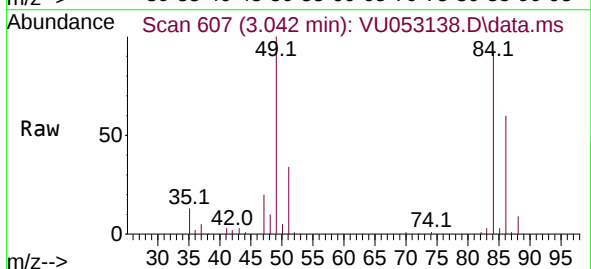
Instrument :
MSVOA_U
ClientSampleId :
VSTD005142

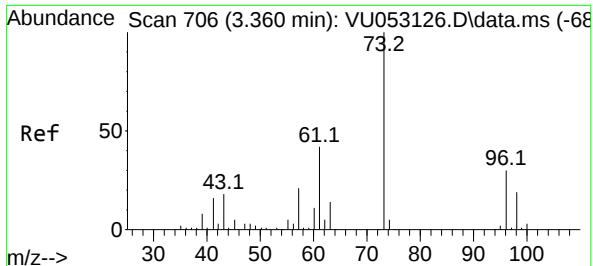
Tgt Ion: 43 Resp: 19323
Ion Ratio Lower Upper
43 100
74 27.7 14.3 21.5#



#16
Methylene chloride
Concen: 5.222 ug/L
RT: 3.042 min Scan# 607
Delta R.T. 0.000 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

Tgt Ion: 84 Resp: 49304
Ion Ratio Lower Upper
84 100
86 65.2 44.9 83.3
49 108.5 82.6 153.4





#17

Methyl tert-butyl Ether

Concen: 4.960 ug/L

RT: 3.360 min Scan# 706

Delta R.T. 0.000 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005142

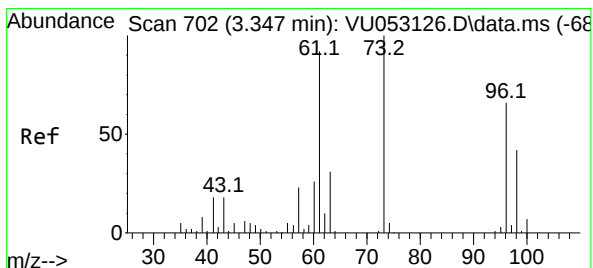
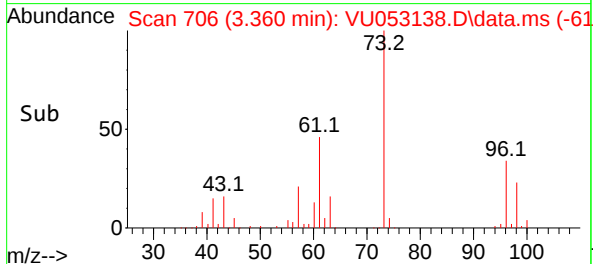
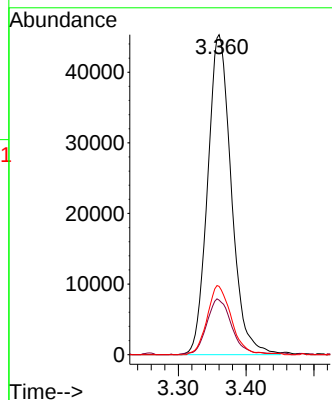
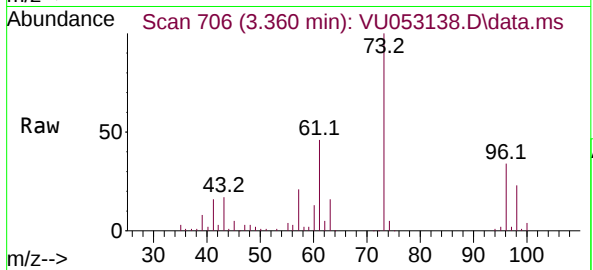
Tgt Ion: 73 Resp: 109916

Ion Ratio Lower Upper

73 100

43 18.1 14.6 21.8

57 21.9 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 4.873 ug/L

RT: 3.351 min Scan# 703

Delta R.T. 0.003 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

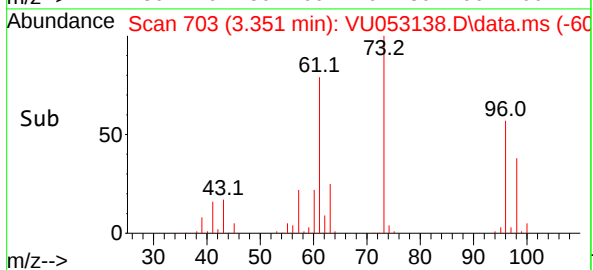
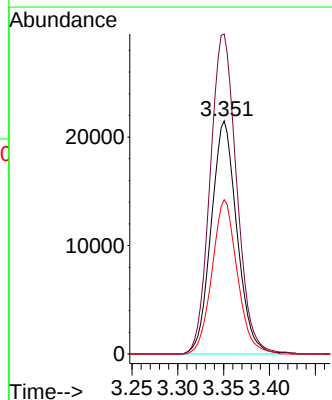
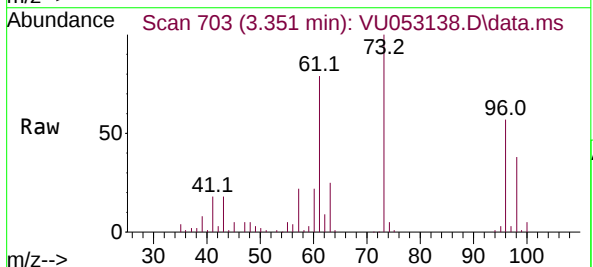
Tgt Ion: 96 Resp: 42077

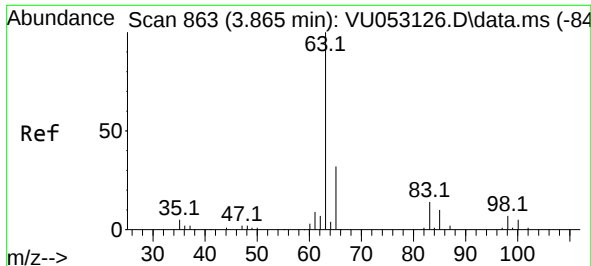
Ion Ratio Lower Upper

96 100

61 137.2 99.5 184.9

98 66.1 44.8 83.2





#19

1,1-Dichloroethane

Concen: 5.173 ug/L

RT: 3.865 min Scan# 8

Delta R.T. 0.000 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005142

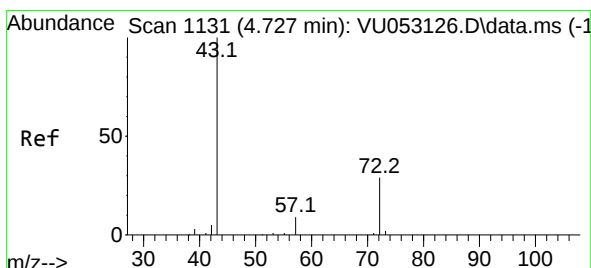
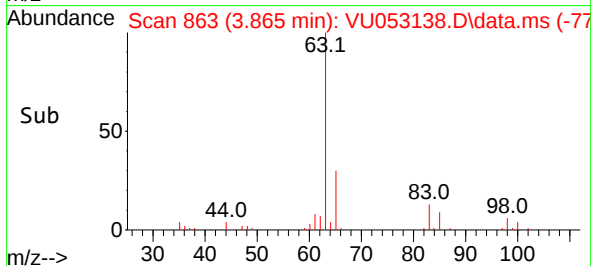
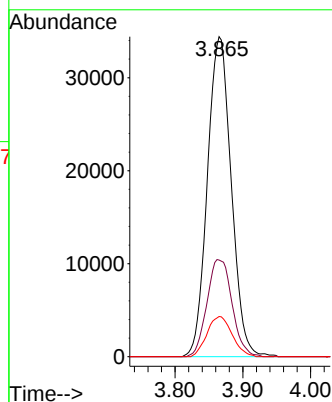
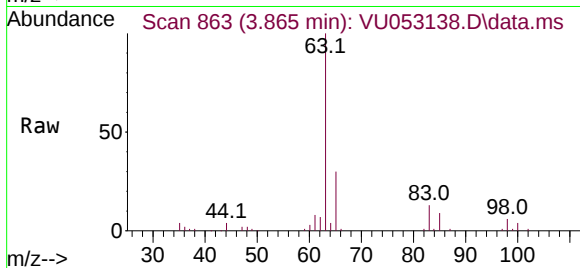
Tgt Ion: 63 Resp: 84141

Ion Ratio Lower Upper

63 100

65 30.2 22.3 41.3

83 12.5 9.8 18.2



#21

2-Butanone

Concen: 48.651 ug/L

RT: 4.723 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU053138.D

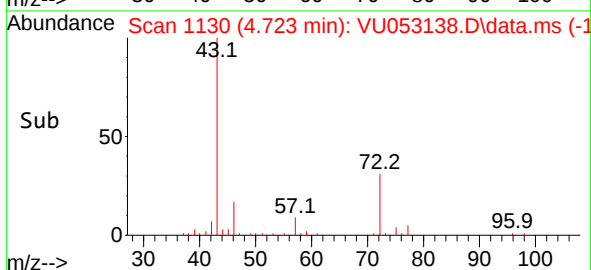
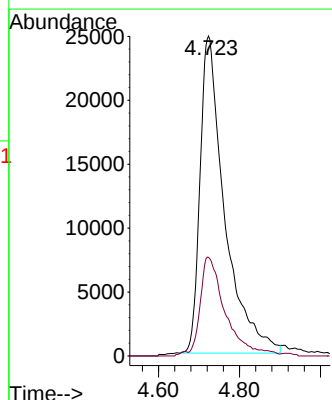
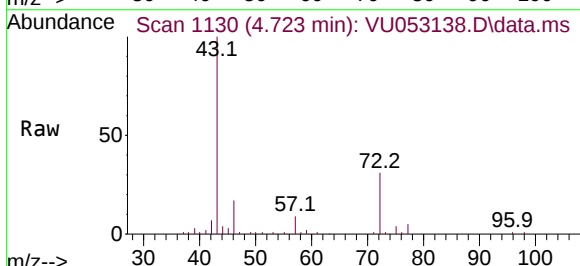
Acq: 18 Feb 2023 16:50

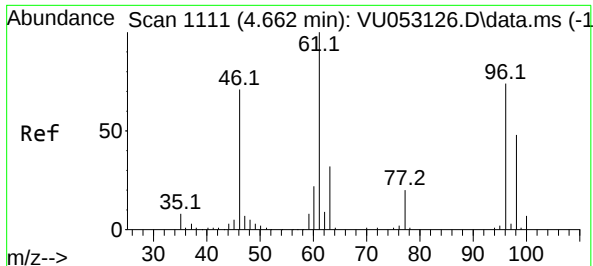
Tgt Ion: 43 Resp: 104419

Ion Ratio Lower Upper

43 100

72 28.9 14.5 43.5





#22

cis-1,2-Dichloroethene

Concen: 5.049 ug/L

RT: 4.659 min Scan# 1111

Delta R.T. -0.003 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005142

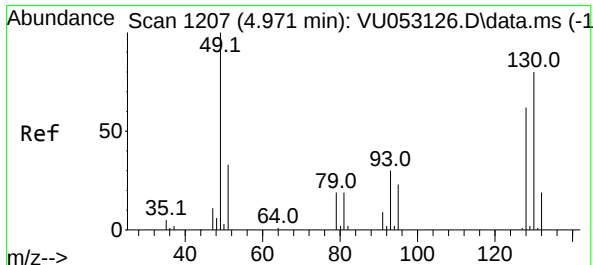
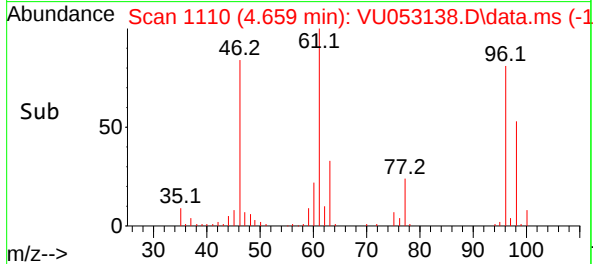
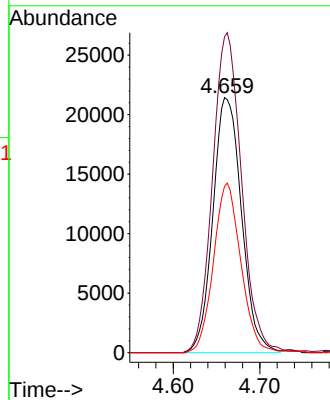
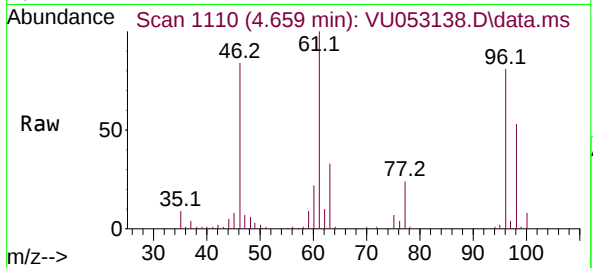
Tgt Ion: 96 Resp: 49202

Ion Ratio Lower Upper

96 100

61 123.9 90.9 168.9

98 65.2 47.0 87.4



#23

Bromochloromethane

Concen: 5.392 ug/L

RT: 4.974 min Scan# 1208

Delta R.T. 0.003 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Tgt Ion: 128 Resp: 20810

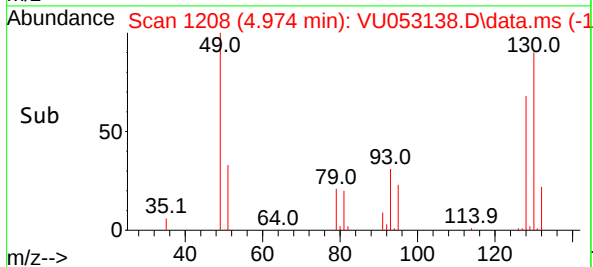
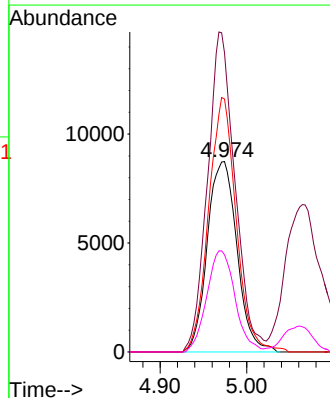
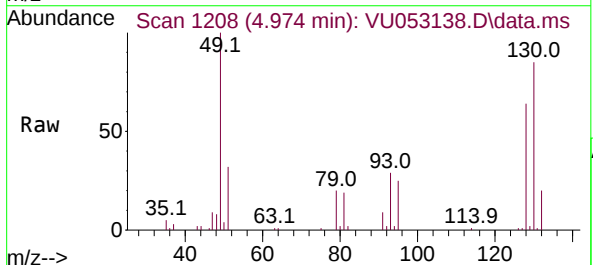
Ion Ratio Lower Upper

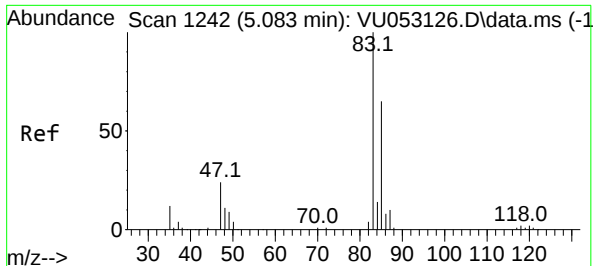
128 100

49 157.1 114.2 212.0

130 132.9 91.6 170.2

51 51.0 39.9 59.9





#25

Chloroform

Concen: 4.920 ug/L

RT: 5.084 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

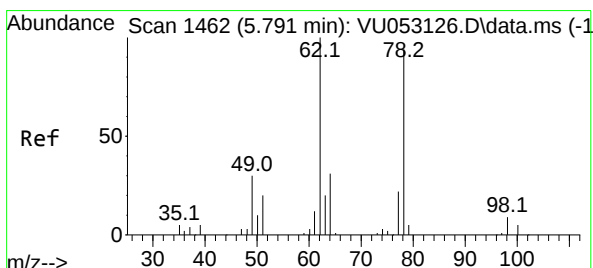
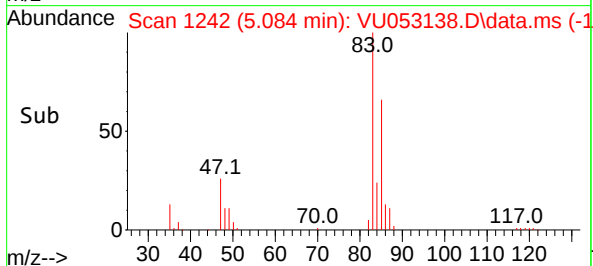
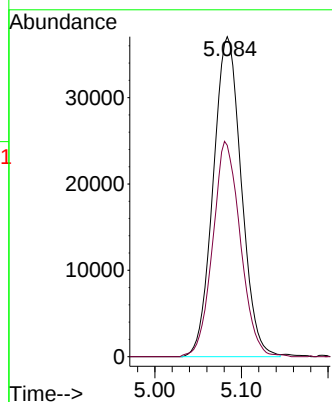
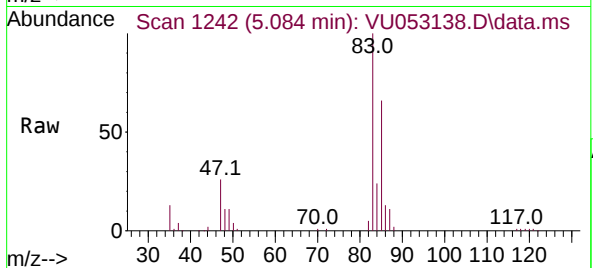
VSTD005142

Tgt Ion: 83 Resp: 83643

Ion Ratio Lower Upper

83 100

85 66.0 47.7 88.5



#27

1,2-Dichloroethane

Concen: 4.919 ug/L

RT: 5.791 min Scan# 1462

Delta R.T. 0.000 min

Lab File: VU053138.D

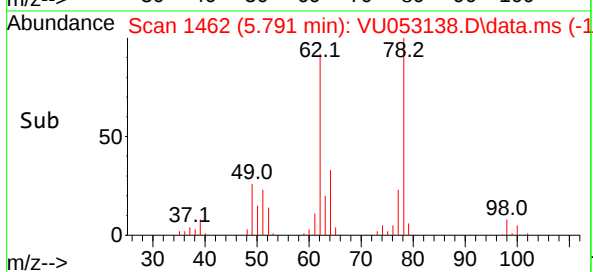
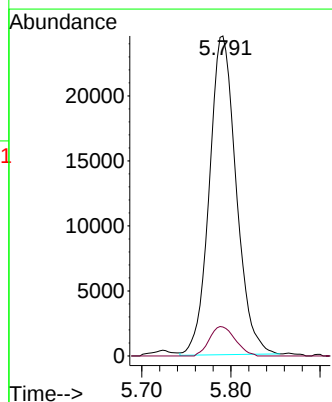
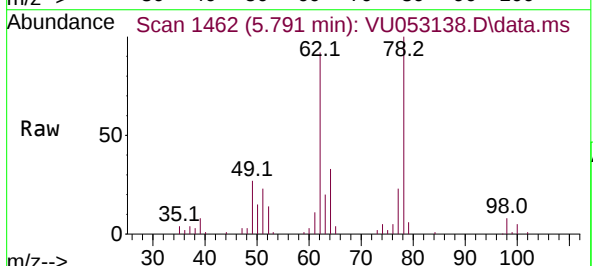
Acq: 18 Feb 2023 16:50

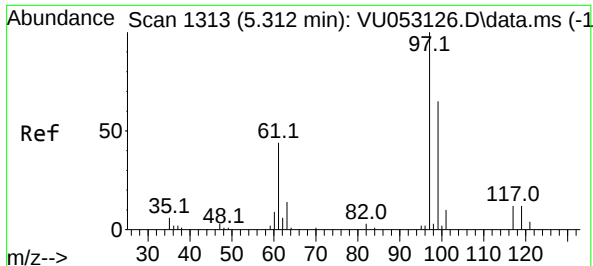
Tgt Ion: 62 Resp: 51405

Ion Ratio Lower Upper

62 100

98 9.1 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 4.844 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005142

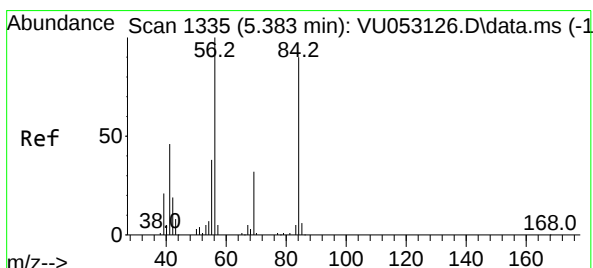
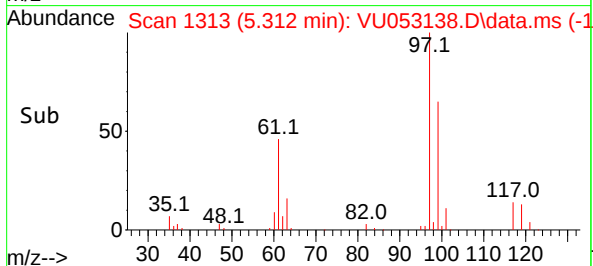
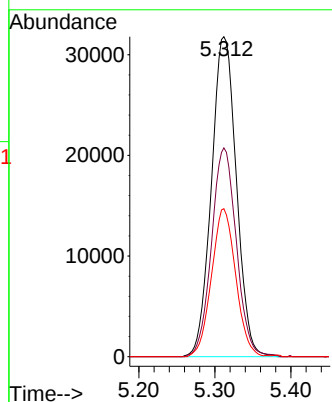
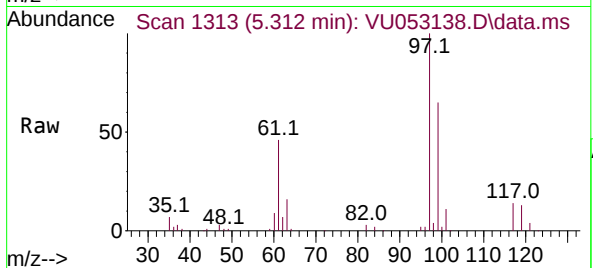
Tgt Ion: 97 Resp: 72555

Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.6

61 44.9 34.2 51.4



#30

Cyclohexane

Concen: 4.935 ug/L

RT: 5.383 min Scan# 1335

Delta R.T. 0.000 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

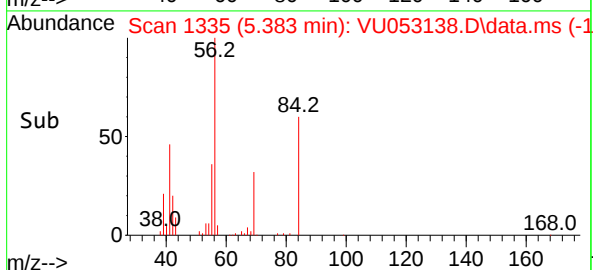
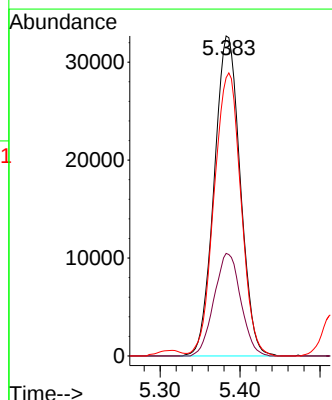
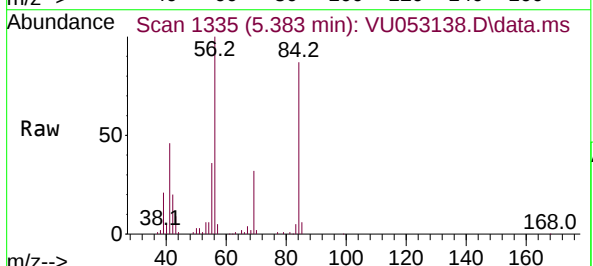
Tgt Ion: 56 Resp: 73901

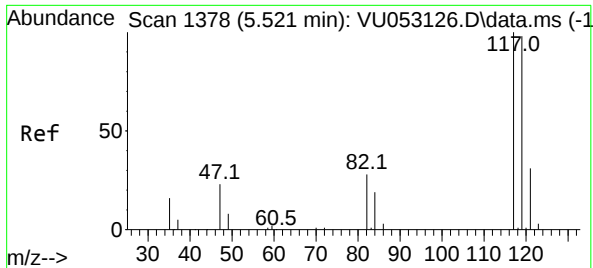
Ion Ratio Lower Upper

56 100

69 32.8 27.0 40.6

84 91.0 70.8 106.2

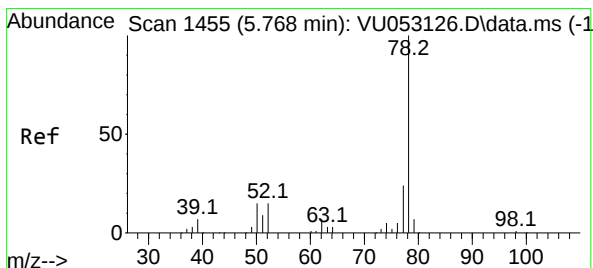
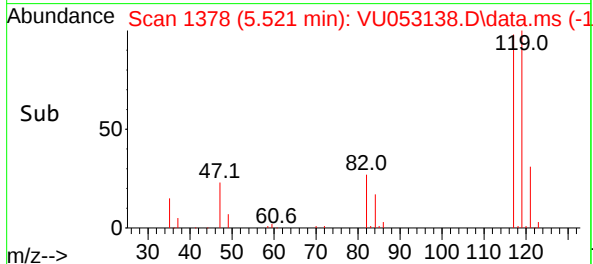
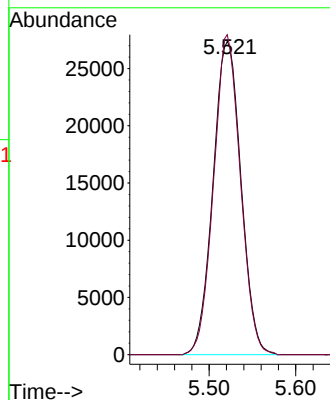
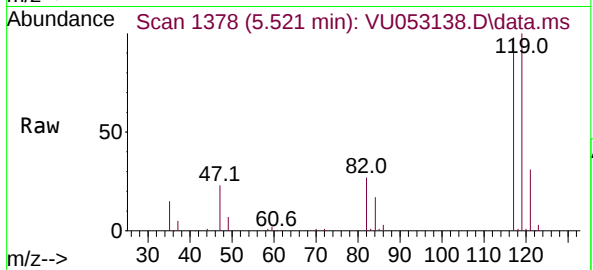




#31
Carbon tetrachloride
Concen: 4.918 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

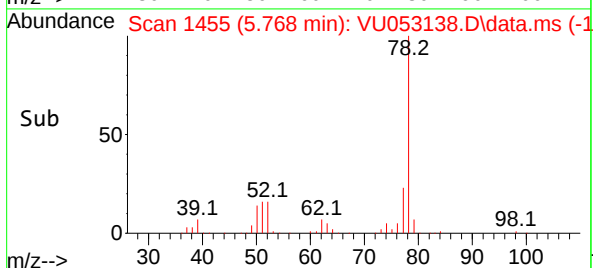
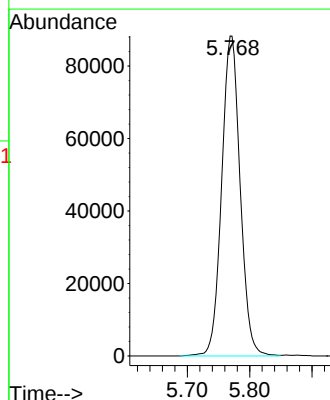
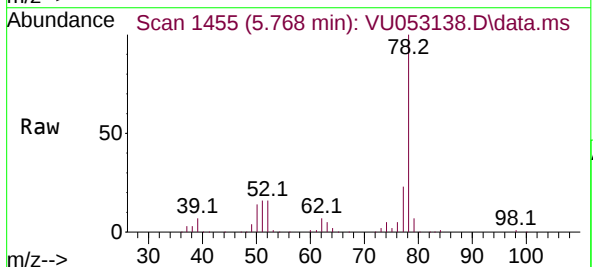
Instrument :
MSVOA_U
ClientSampleId :
VSTD005142

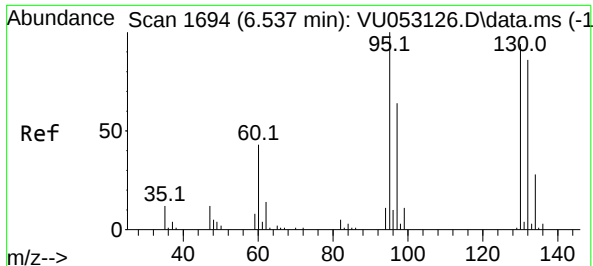
Tgt Ion:117 Resp: 61483
Ion Ratio Lower Upper
117 100
119 97.4 75.4 113.0



#33
Benzene
Concen: 5.029 ug/L
RT: 5.768 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

Tgt Ion: 78 Resp: 181674

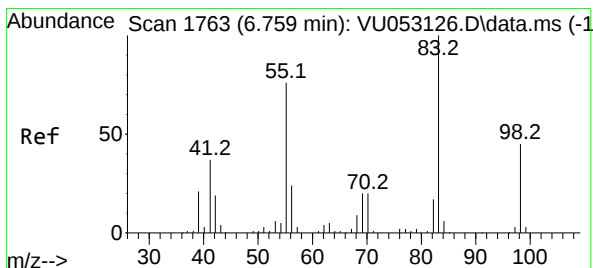
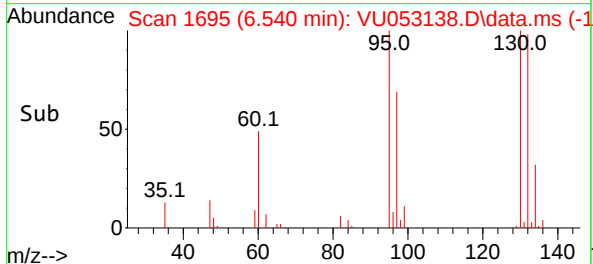
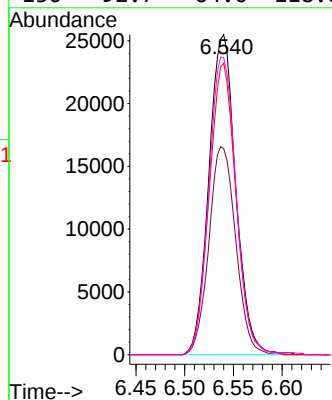
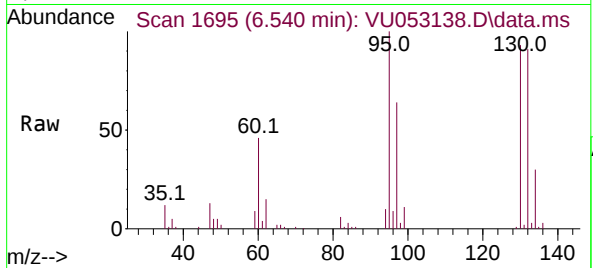




#34
Trichloroethene
Concen: 4.802 ug/L
RT: 6.540 min Scan# 1695
Delta R.T. 0.003 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

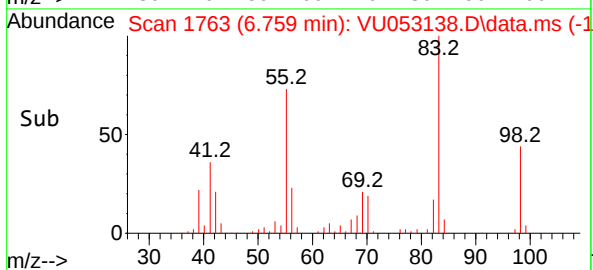
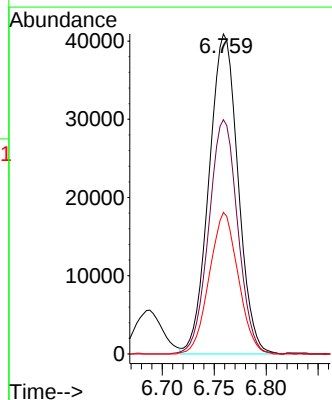
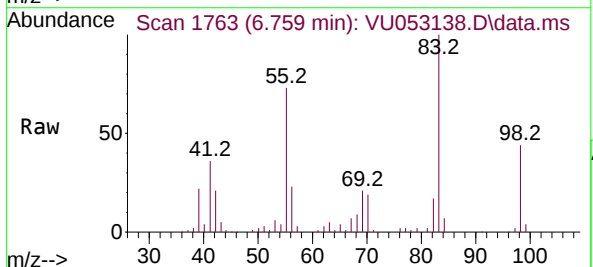
Instrument :
MSVOA_U
ClientSampleId :
VSTD005142

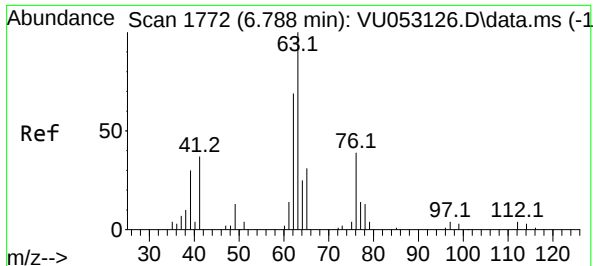
Tgt Ion: 95 Resp: 48811
Ion Ratio Lower Upper
95 100
97 64.4 44.7 82.9
132 91.1 62.3 115.7
130 92.7 64.0 118.8



#35
Methylcyclohexane
Concen: 4.838 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. 0.000 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

Tgt Ion: 83 Resp: 79624
Ion Ratio Lower Upper
83 100
55 72.9 57.9 86.9
98 43.9 36.4 54.6





#37

1,2-Dichloropropane

Concen: 5.094 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

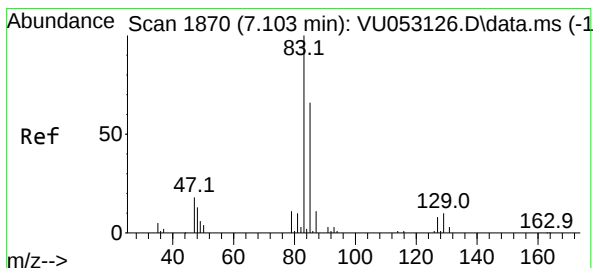
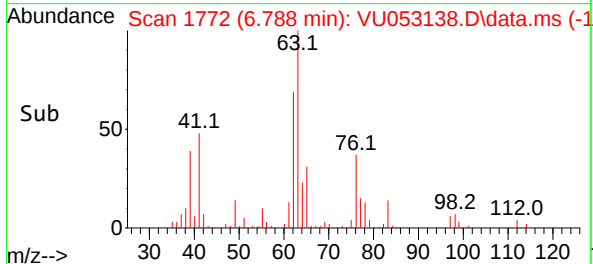
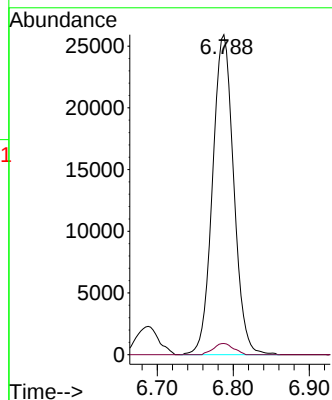
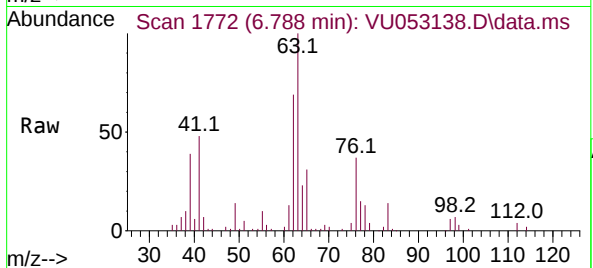
VSTD005142

Tgt Ion: 63 Resp: 50112

Ion Ratio Lower Upper

63 100

112 3.3 2.7 4.1



#38

Bromodichloromethane

Concen: 4.781 ug/L

RT: 7.100 min Scan# 1869

Delta R.T. -0.003 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

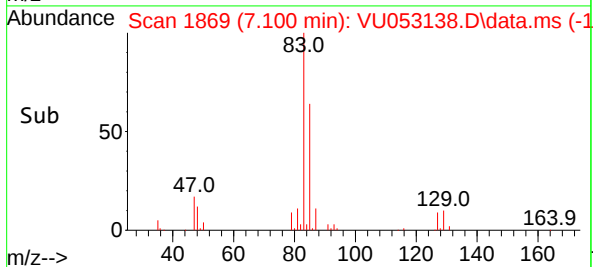
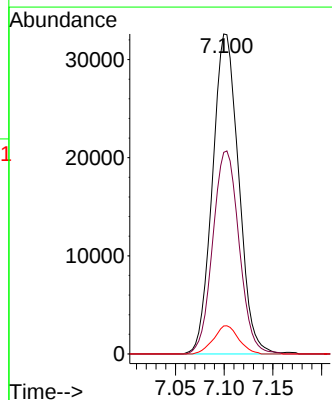
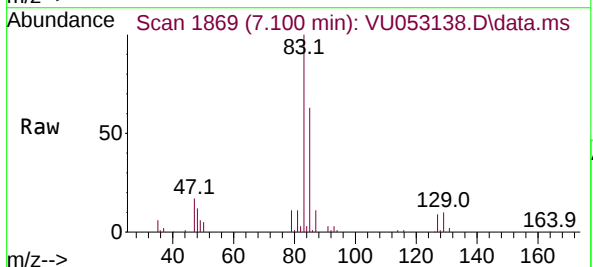
Tgt Ion: 83 Resp: 60987

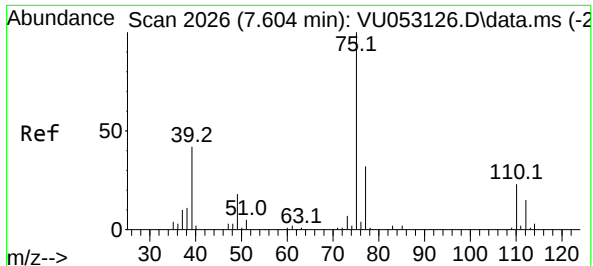
Ion Ratio Lower Upper

83 100

85 63.0 44.7 82.9

127 8.8 6.3 9.5

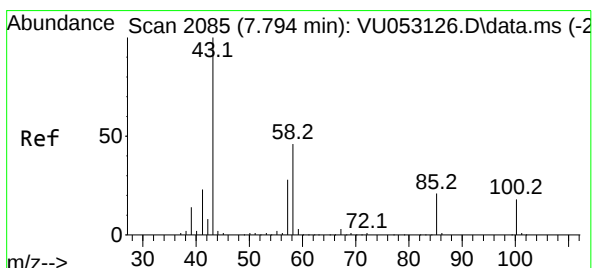
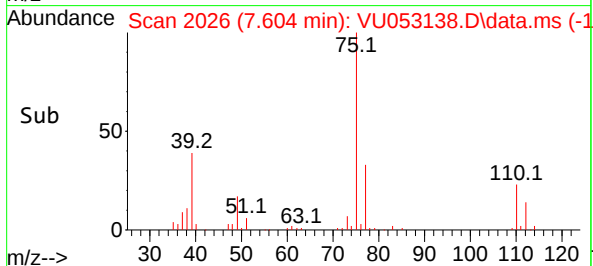
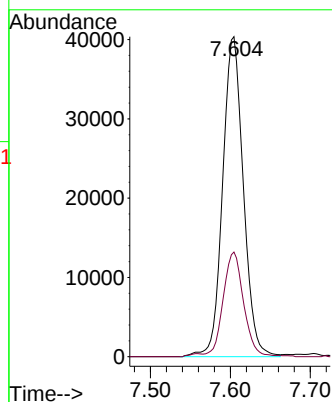
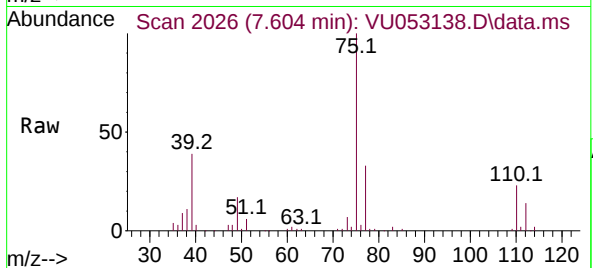




#39
 cis-1,3-Dichloropropene
 Concen: 4.623 ug/L
 RT: 7.604 min Scan# 2026
 Delta R.T. 0.000 min
 Lab File: VU053138.D
 Acq: 18 Feb 2023 16:50

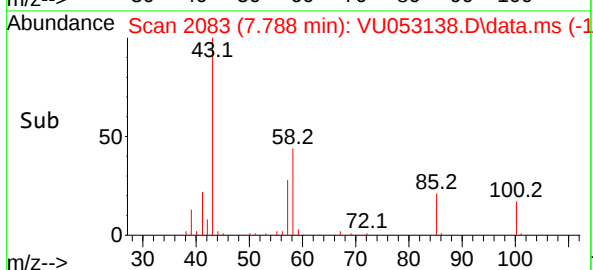
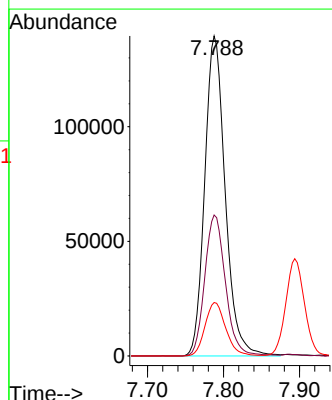
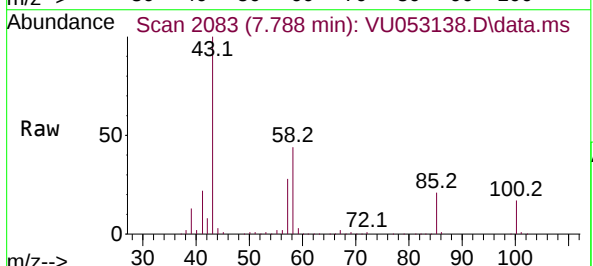
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005142

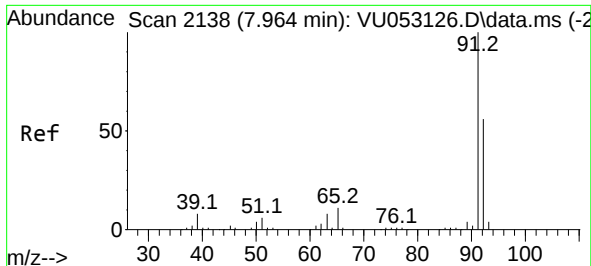
Tgt Ion: 75 Resp: 72535
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 50.888 ug/L
 RT: 7.788 min Scan# 2083
 Delta R.T. -0.006 min
 Lab File: VU053138.D
 Acq: 18 Feb 2023 16:50

Tgt Ion: 43 Resp: 261318
 Ion Ratio Lower Upper
 43 100
 58 44.6 35.9 53.9
 100 16.9 13.8 20.6

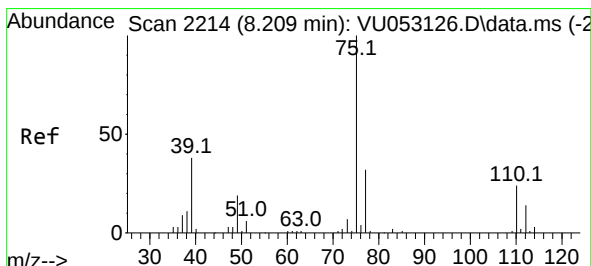
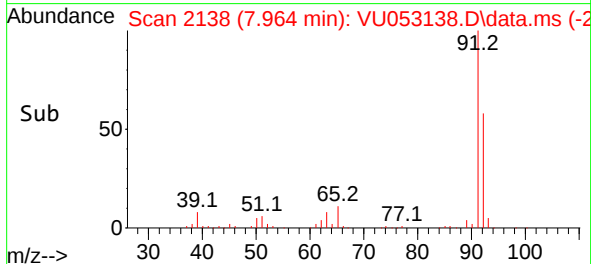
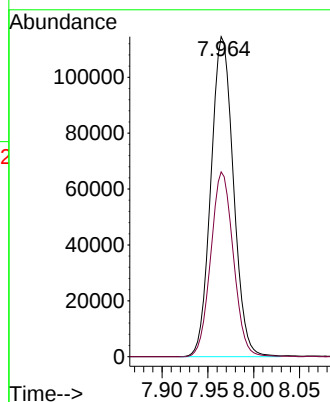
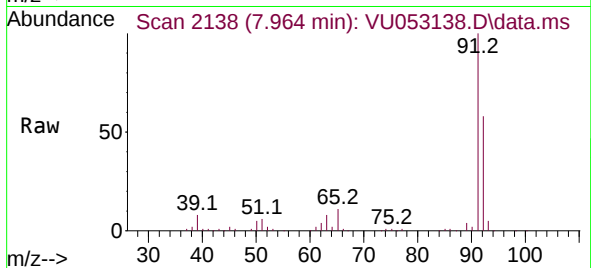




#42
Toluene
Concen: 4.983 ug/L
RT: 7.964 min Scan# 2138
Delta R.T. 0.000 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

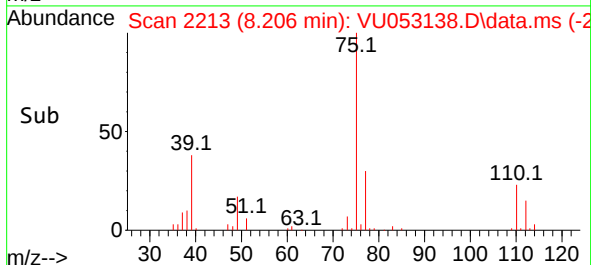
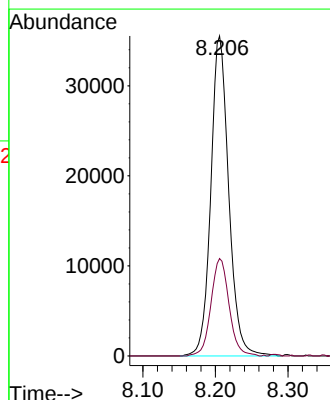
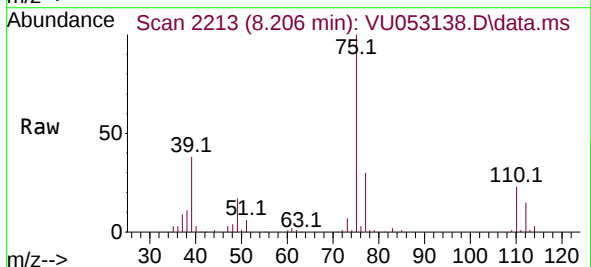
Instrument :
MSVOA_U
ClientSampleId :
VSTD005142

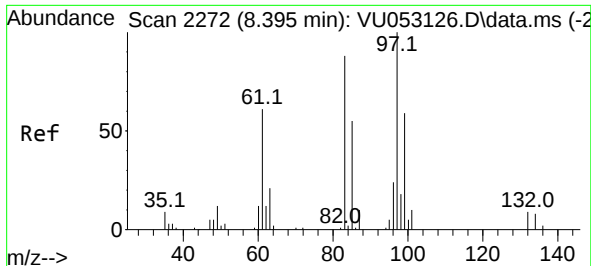
Tgt Ion: 91 Resp: 195543
Ion Ratio Lower Upper
91 100
92 57.7 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 4.708 ug/L
RT: 8.206 min Scan# 2213
Delta R.T. -0.003 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

Tgt Ion: 75 Resp: 60934
Ion Ratio Lower Upper
75 100
77 30.5 22.3 41.3

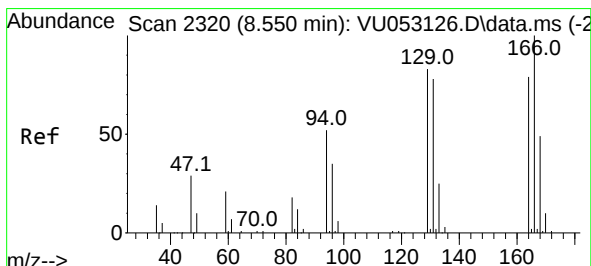
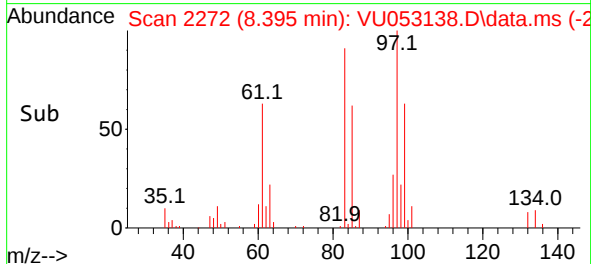
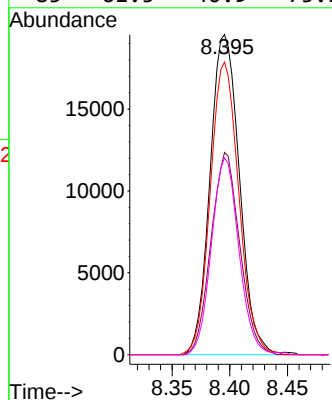
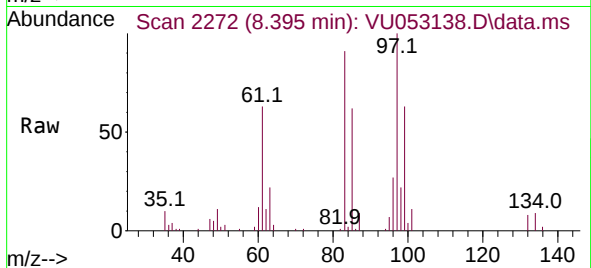




#45
1,1,2-Trichloroethane
Concen: 4.881 ug/L
RT: 8.395 min Scan# 2272
Delta R.T. 0.000 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

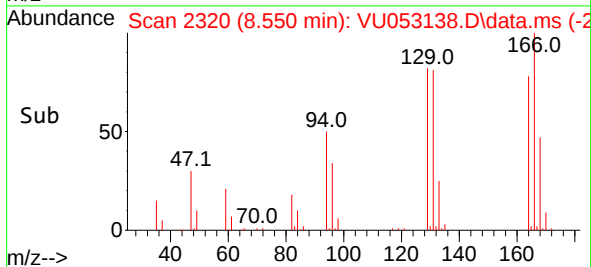
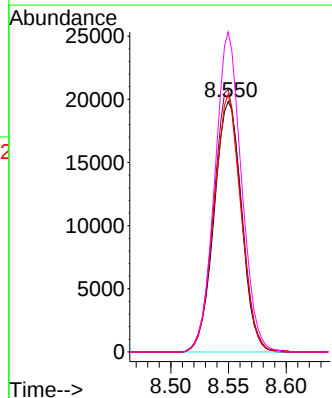
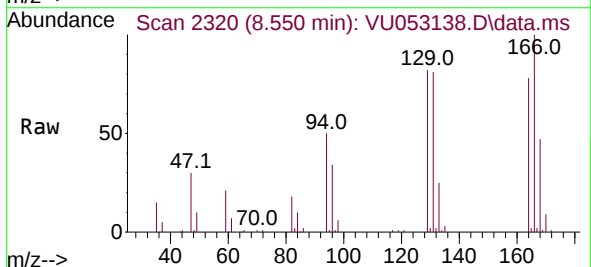
Instrument :
MSVOA_U
ClientSampleId :
VSTD005142

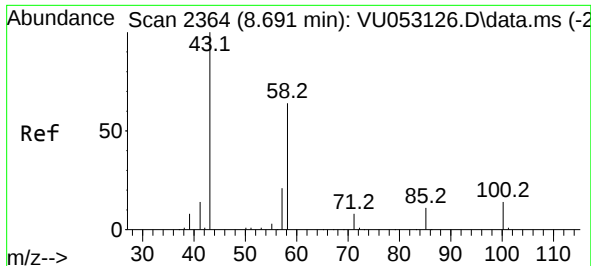
Tgt Ion: 97	Resp: 34591
Ion Ratio	Lower Upper
97 100	
99 63.2	43.0 79.8
83 91.4	58.0 107.8
85 61.5	40.9 75.9



#47
Tetrachloroethene
Concen: 4.962 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

Tgt	Ion:164	Resp:	32783
Ion	Ratio	Lower	Upper
164	100		
129	104.8	71.7	133.1
131	102.9	67.8	126.0
166	127.8	86.4	160.4

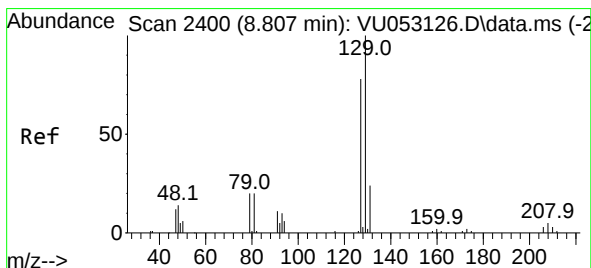
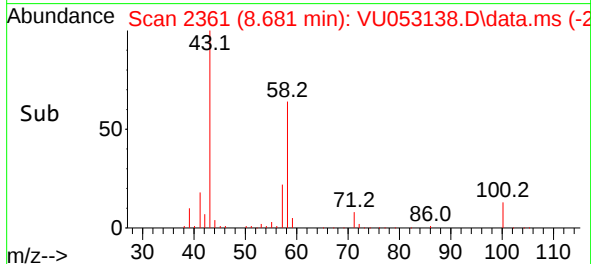
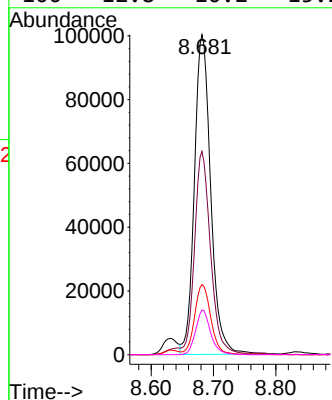
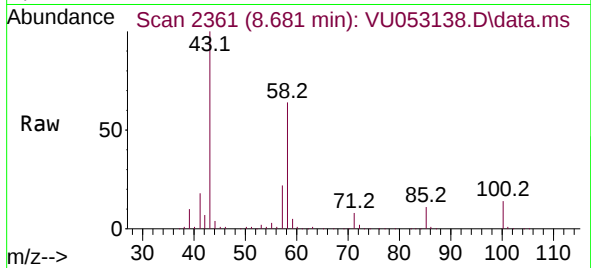




#48
2-Hexanone
Concen: 48.460 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.010 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

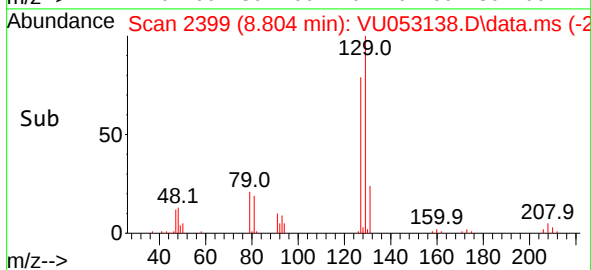
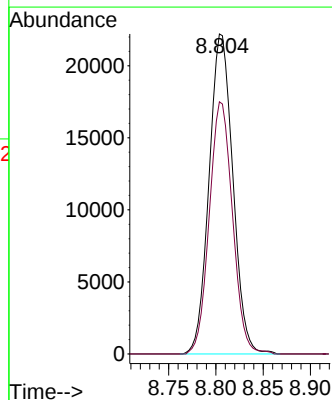
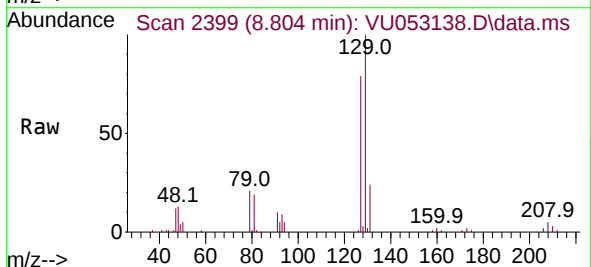
Instrument :
MSVOA_U
ClientSampleId :
VSTD005142

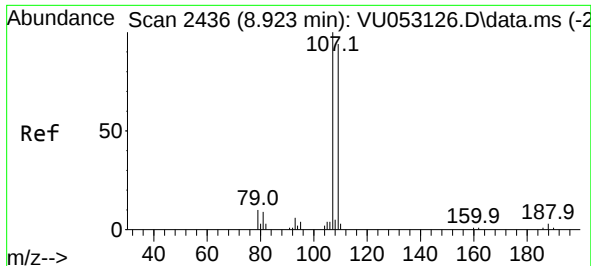
Tgt Ion: 43	Resp: 182641
Ion Ratio	Lower Upper
43 100	
58 64.0	50.3 75.5
57 21.4	17.4 26.0
100 12.8	10.2 15.2



#49
Dibromochloromethane
Concen: 5.025 ug/L
RT: 8.804 min Scan# 2399
Delta R.T. -0.003 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

Tgt Ion:129	Resp:	38832	
Ion	Ratio	Lower	Upper
129	100		
127	78.8	54.9	102.1





#50

1,2-Dibromoethane

Concen: 5.039 ug/L

RT: 8.919 min Scan# 2436

Delta R.T. -0.003 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005142

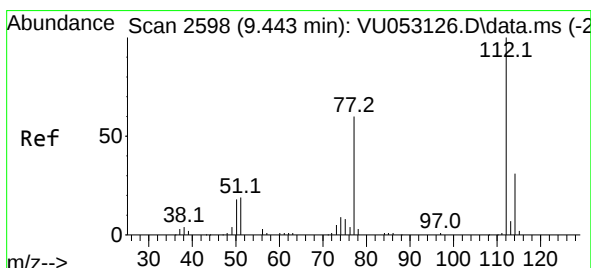
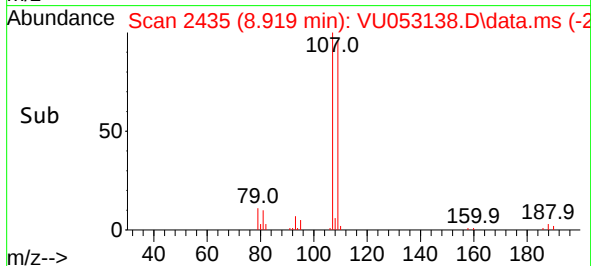
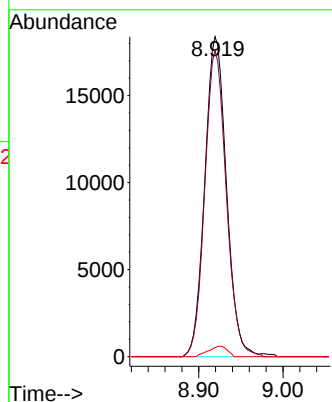
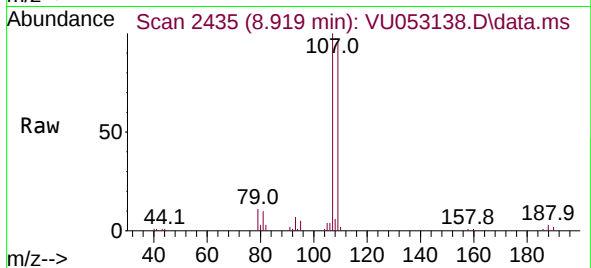
Tgt Ion:107 Resp: 32949

Ion Ratio Lower Upper

107 100

109 95.7 63.1 117.1

188 2.8 2.5 3.7



#51

Chlorobenzene

Concen: 4.997 ug/L

RT: 9.444 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

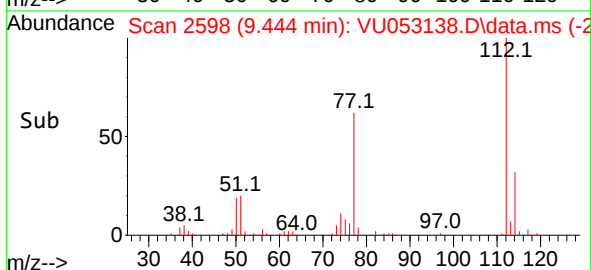
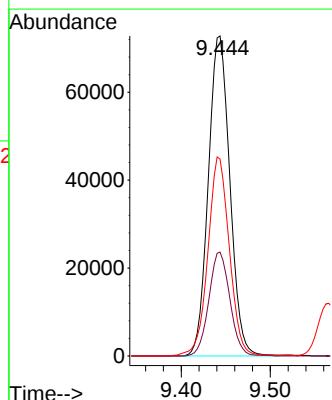
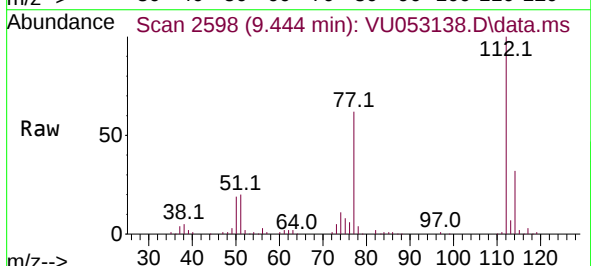
Tgt Ion:112 Resp: 122339

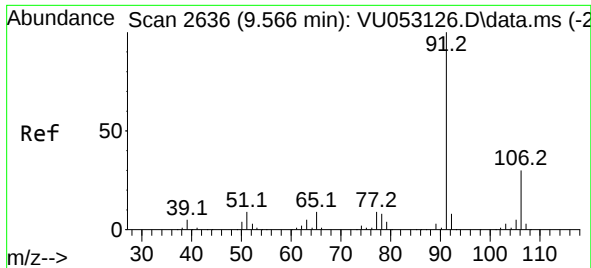
Ion Ratio Lower Upper

112 100

114 32.5 22.3 41.3

77 61.5 48.9 73.3

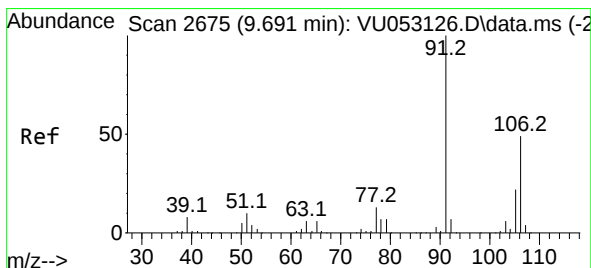
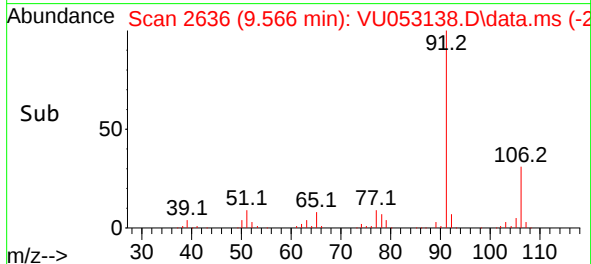
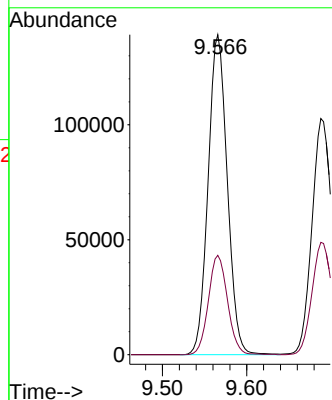
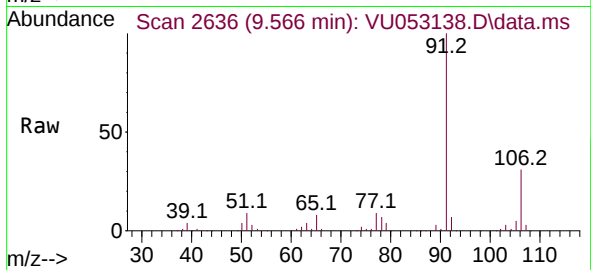




#52
Ethylbenzene
Concen: 4.945 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. 0.000 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

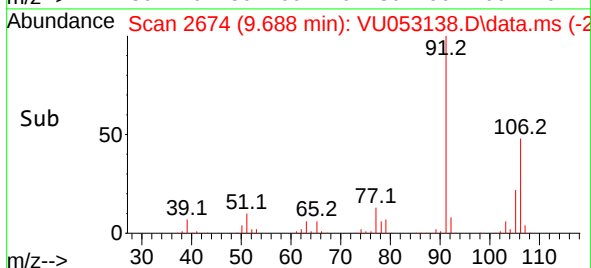
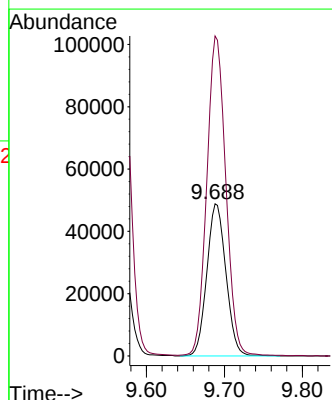
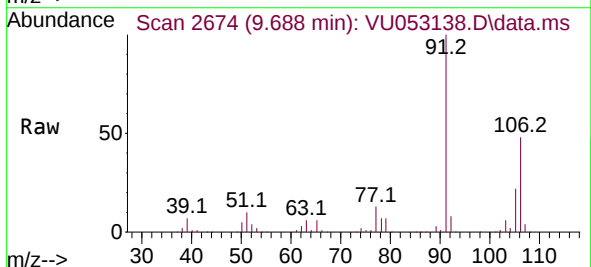
Instrument :
MSVOA_U
ClientSampleId :
VSTD005142

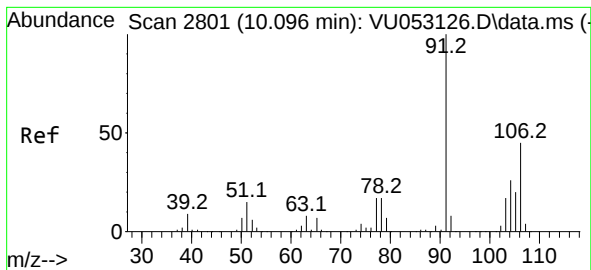
Tgt Ion: 91 Resp: 220206
Ion Ratio Lower Upper
91 100
106 31.0 21.4 39.8



#53
m,p-Xylene
Concen: 4.995 ug/L
RT: 9.688 min Scan# 2674
Delta R.T. -0.003 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

Tgt Ion: 106 Resp: 83182
Ion Ratio Lower Upper
106 100
91 210.3 149.9 278.3





#54

o-Xylene

Concen: 5.109 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. 0.000 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

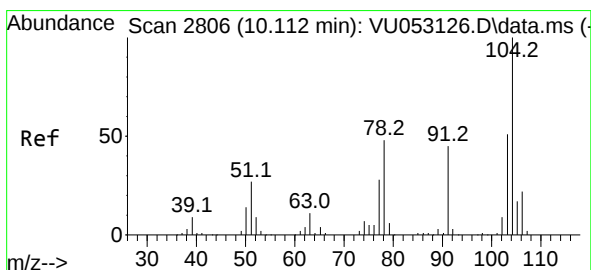
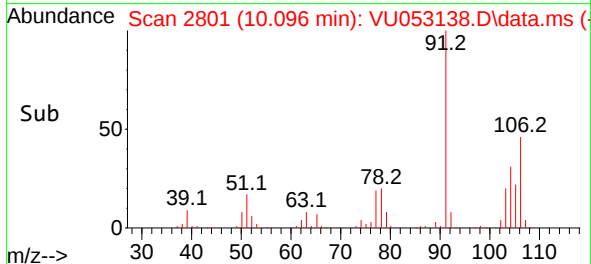
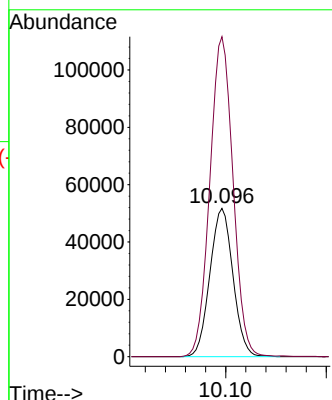
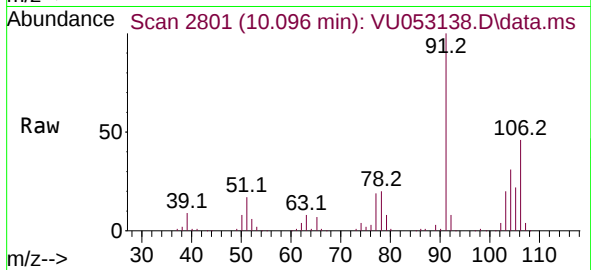
VSTD005142

Tgt Ion:106 Resp: 82464

Ion Ratio Lower Upper

106 100

91 215.6 153.6 285.2



#55

Styrene

Concen: 5.080 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. -0.003 min

Lab File: VU053138.D

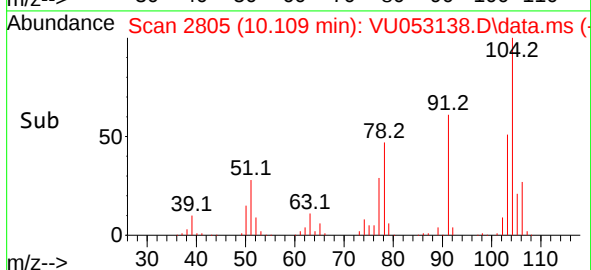
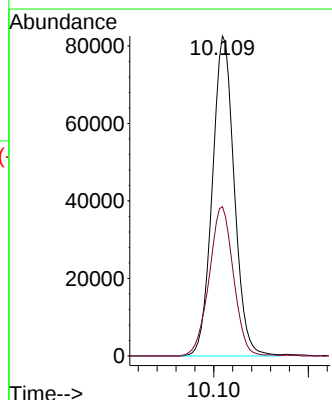
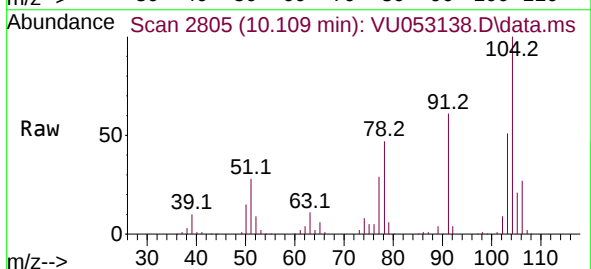
Acq: 18 Feb 2023 16:50

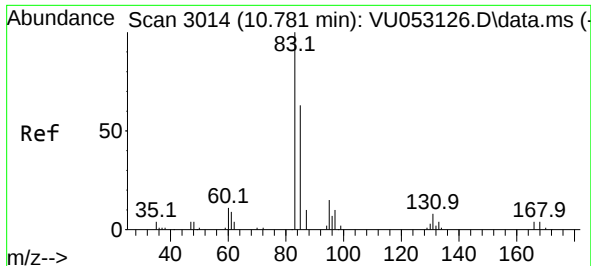
Tgt Ion:104 Resp: 133018

Ion Ratio Lower Upper

104 100

78 46.7 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.931 ug/L

RT: 10.778 min Scan# 3013

Delta R.T. -0.003 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005142

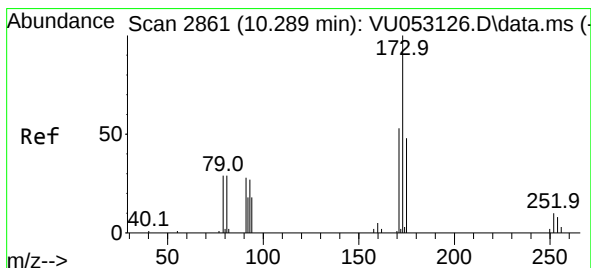
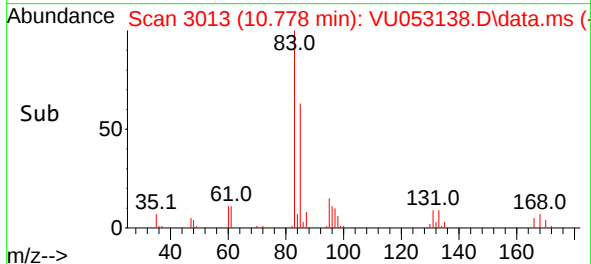
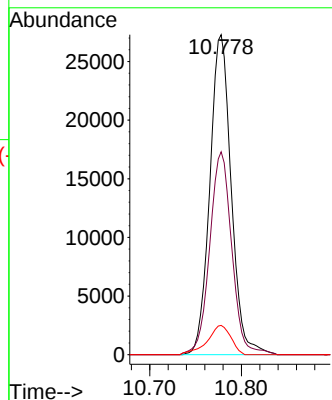
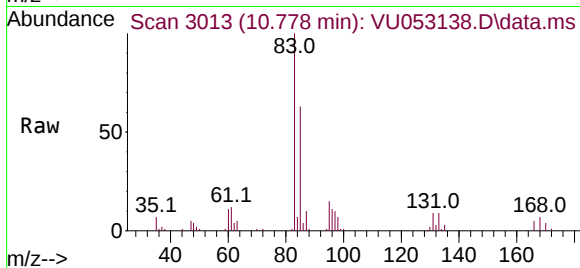
Tgt Ion: 83 Resp: 44218

Ion Ratio Lower Upper

83 100

85 63.4 44.7 82.9

131 9.2 7.8 11.6



#59

Bromoform

Concen: 4.777 ug/L

RT: 10.286 min Scan# 2860

Delta R.T. -0.003 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

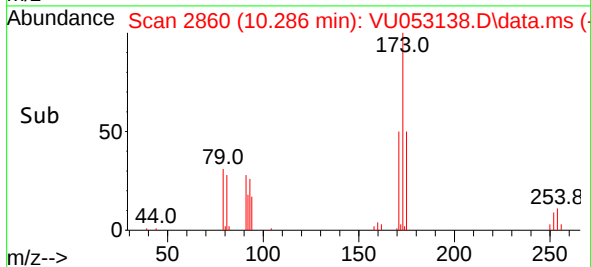
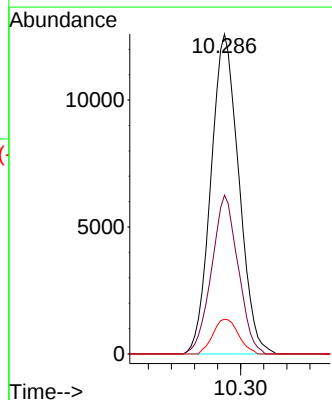
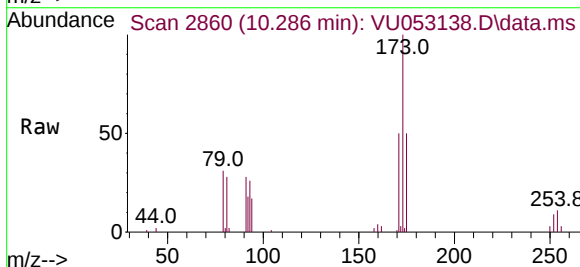
Tgt Ion:173 Resp: 21117

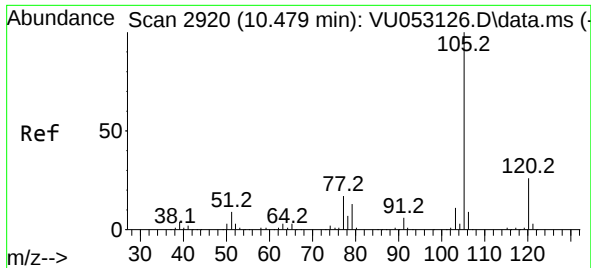
Ion Ratio Lower Upper

173 100

175 47.2 38.9 58.3

254 9.9 7.0 10.4

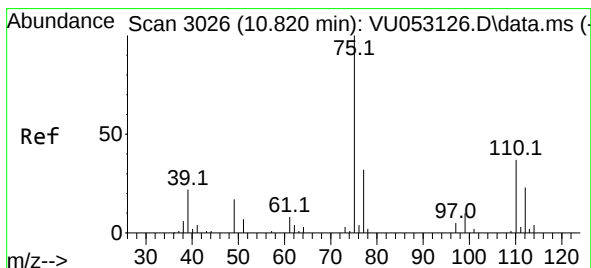
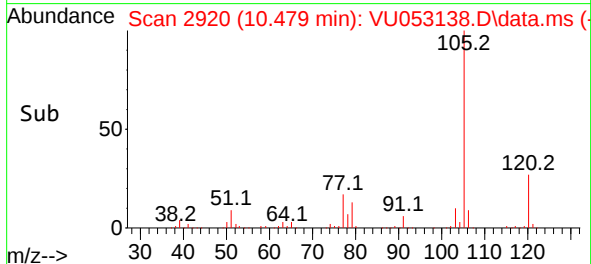
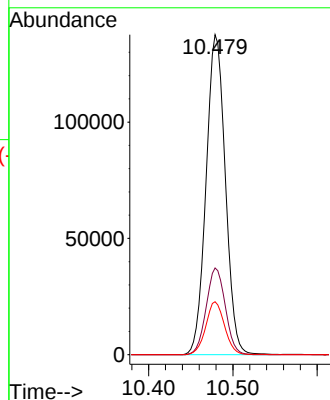
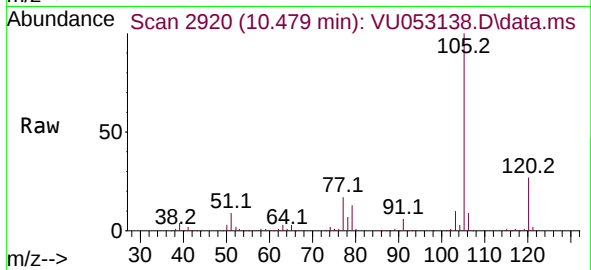




#60
Isopropylbenzene
Concen: 4.976 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. 0.000 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

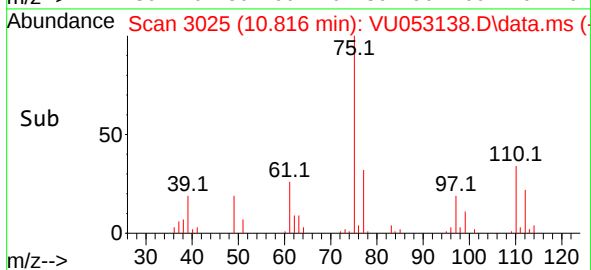
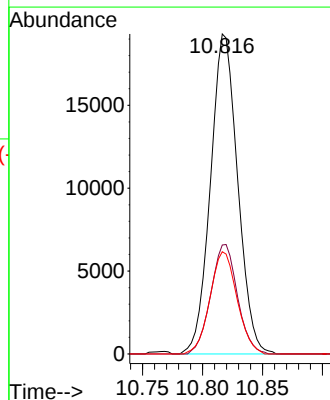
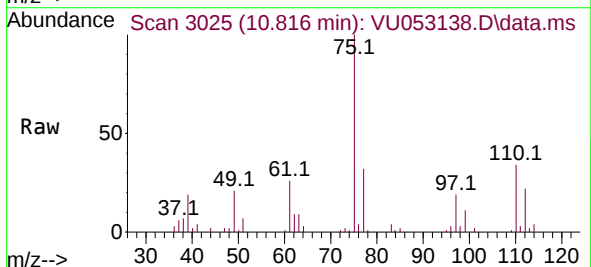
Instrument :
MSVOA_U
ClientSampleId :
VSTD005142

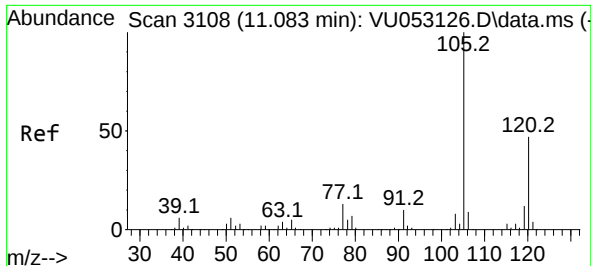
Tgt Ion:105 Resp: 218924
Ion Ratio Lower Upper
105 100
120 26.9 20.6 31.0
77 16.2 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.212 ug/L
RT: 10.816 min Scan# 3025
Delta R.T. -0.003 min
Lab File: VU053138.D
Acq: 18 Feb 2023 16:50

Tgt Ion: 75 Resp: 30431
Ion Ratio Lower Upper
75 100
110 33.6 28.6 42.8
77 31.9 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 4.970 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. 0.000 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

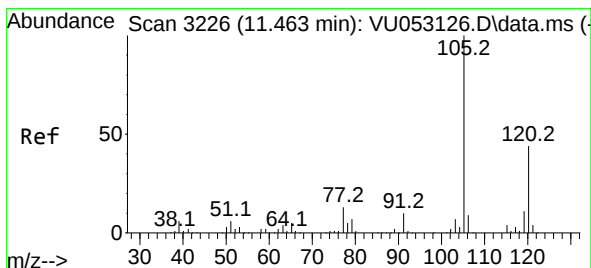
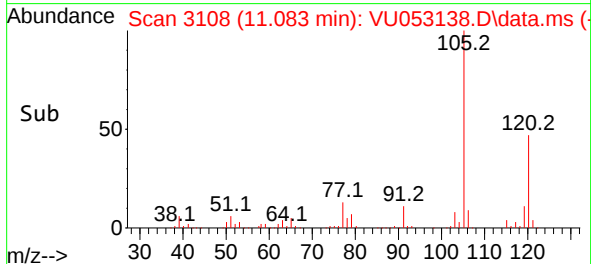
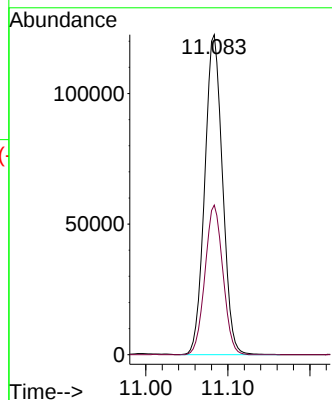
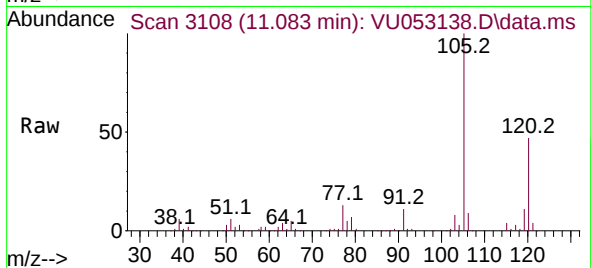
VSTD005142

Tgt Ion:105 Resp: 184629

Ion Ratio Lower Upper

105 100

120 47.0 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 4.991 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. 0.000 min

Lab File: VU053138.D

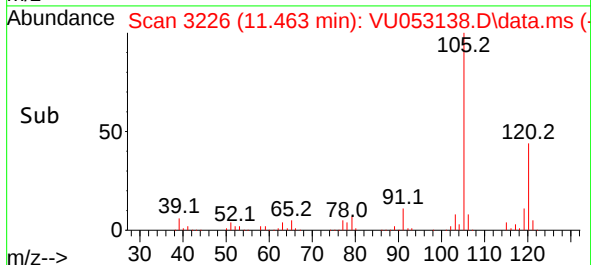
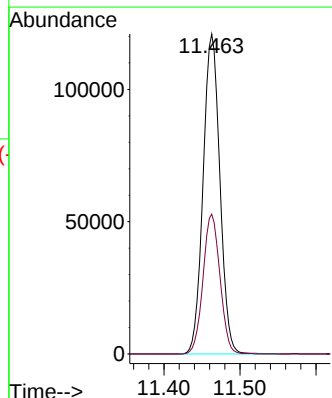
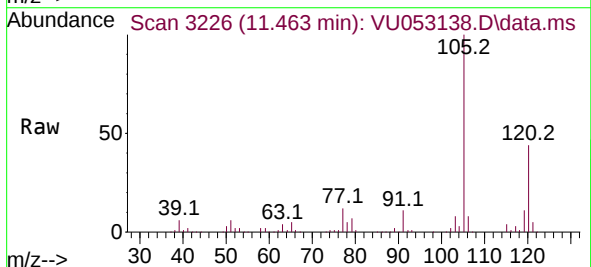
Acq: 18 Feb 2023 16:50

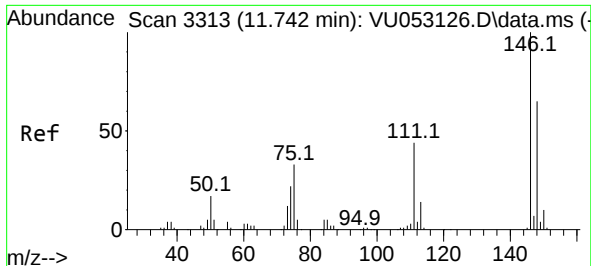
Tgt Ion:105 Resp: 185584

Ion Ratio Lower Upper

105 100

120 44.1 34.7 52.1

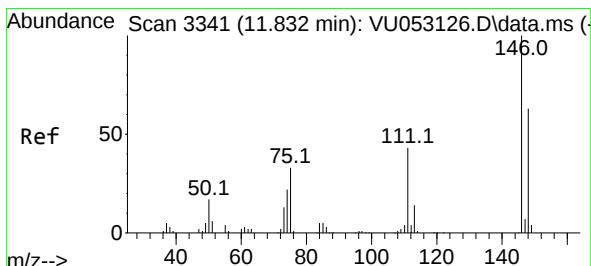
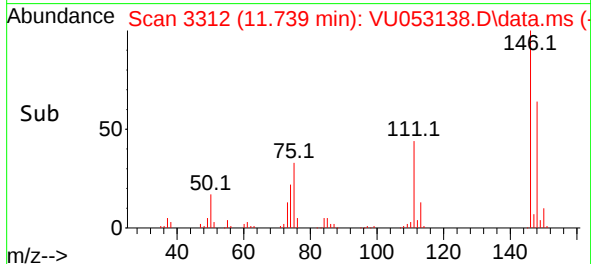
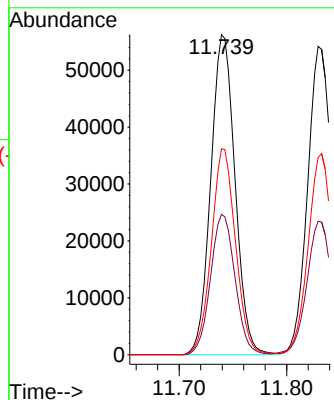
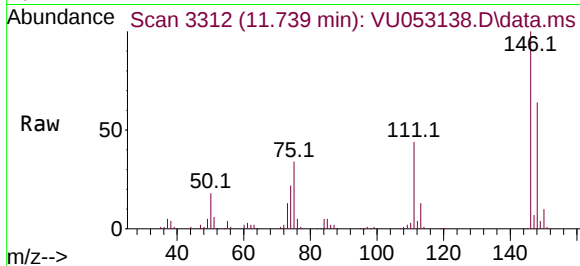




#64
 1,3-Dichlorobenzene
 Concen: 4.951 ug/L
 RT: 11.739 min Scan# 3313
 Delta R.T. -0.003 min
 Lab File: VU053138.D
 Acq: 18 Feb 2023 16:50

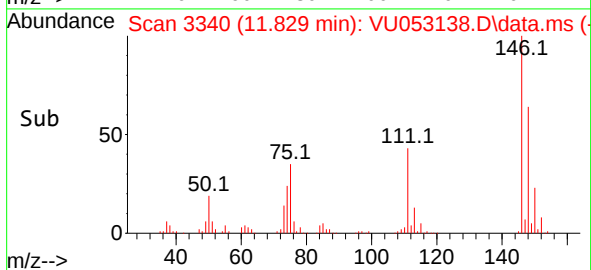
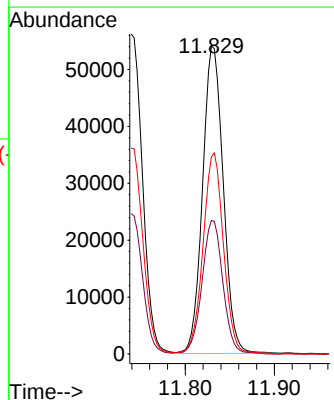
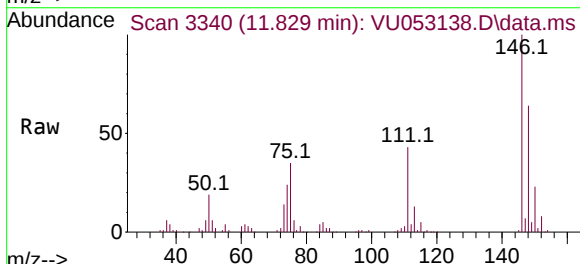
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005142

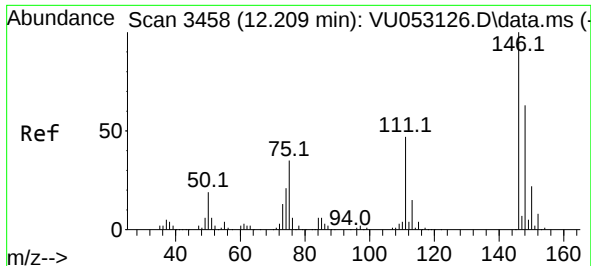
Tgt Ion:146 Resp: 88214
 Ion Ratio Lower Upper
 146 100
 111 43.9 32.0 59.4
 148 64.3 45.3 84.1



#65
 1,4-Dichlorobenzene
 Concen: 4.870 ug/L
 RT: 11.829 min Scan# 3340
 Delta R.T. -0.003 min
 Lab File: VU053138.D
 Acq: 18 Feb 2023 16:50

Tgt Ion:146 Resp: 86932
 Ion Ratio Lower Upper
 146 100
 111 43.3 30.3 56.3
 148 64.0 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.081 ug/L

RT: 12.205 min Scan# 34

Delta R.T. -0.003 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005142

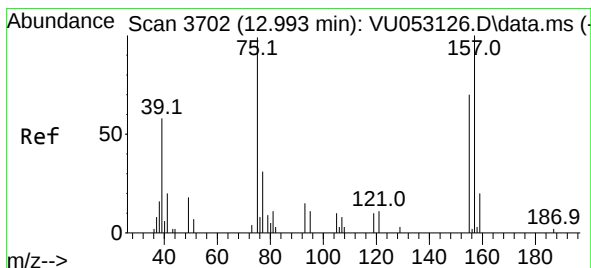
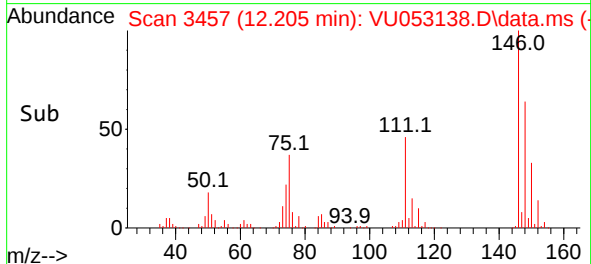
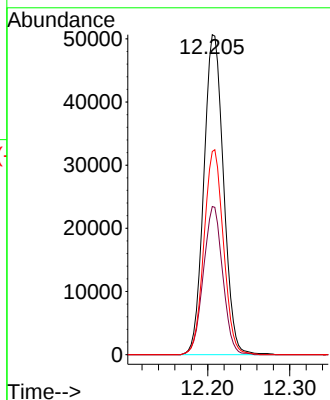
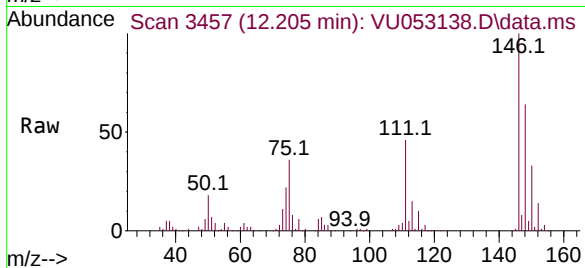
Tgt Ion:146 Resp: 84401

Ion Ratio Lower Upper

146 100

111 46.3 36.3 54.5

148 63.5 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.793 ug/L

RT: 12.990 min Scan# 3701

Delta R.T. -0.003 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

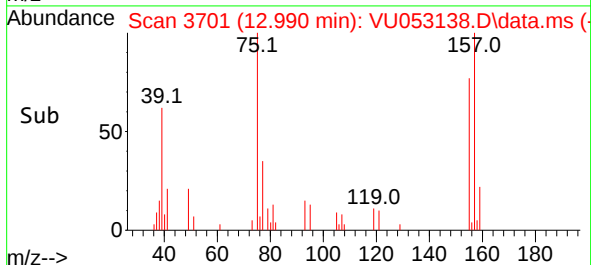
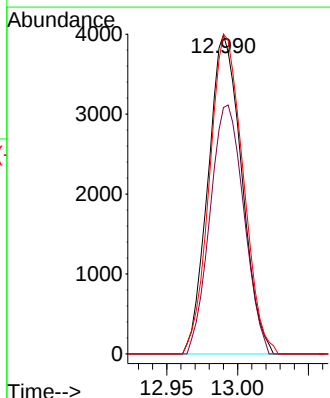
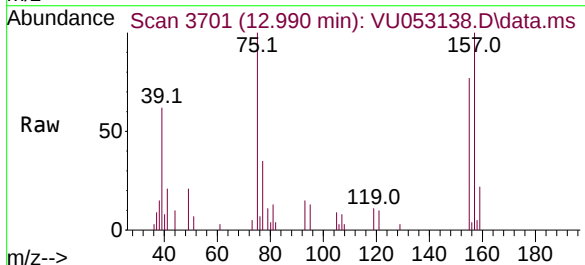
Tgt Ion: 75 Resp: 6578

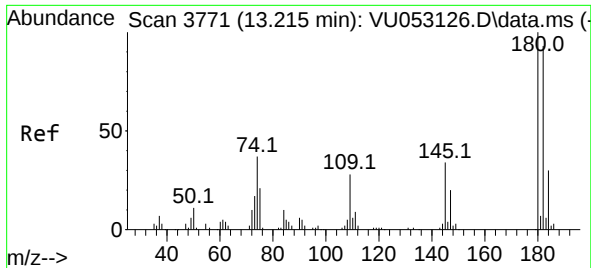
Ion Ratio Lower Upper

75 100

155 77.3 59.8 89.8

157 100.3 73.2 109.8

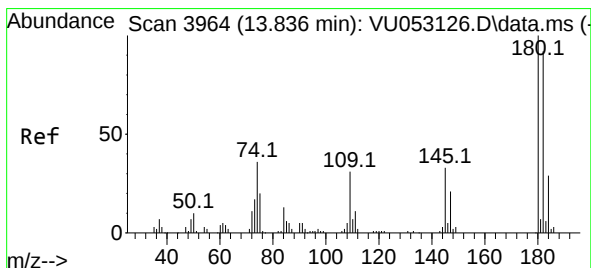
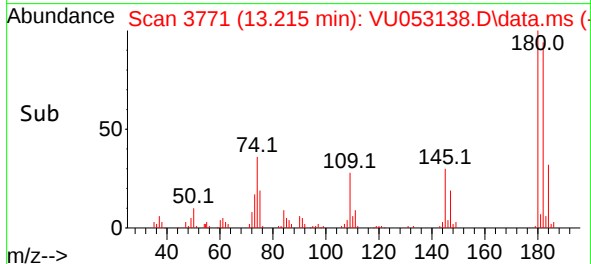
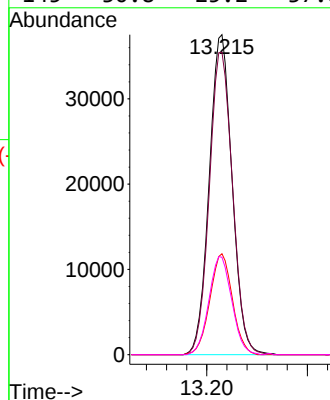
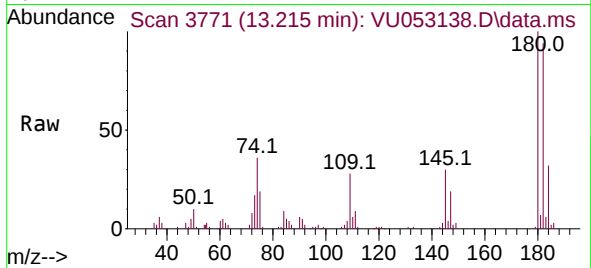




#69
 1,3,5-Trichlorobenzene
 Concen: 4.659 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. 0.000 min
 Lab File: VU053138.D
 Acq: 18 Feb 2023 16:50

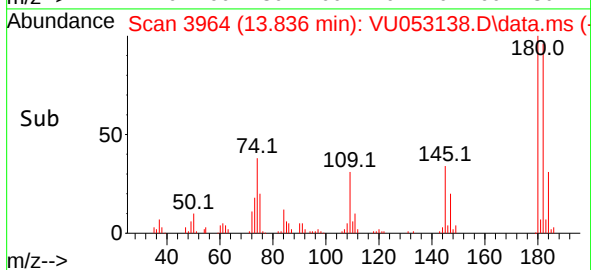
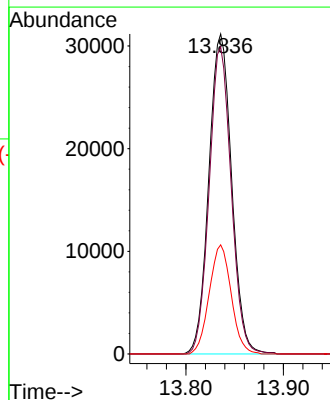
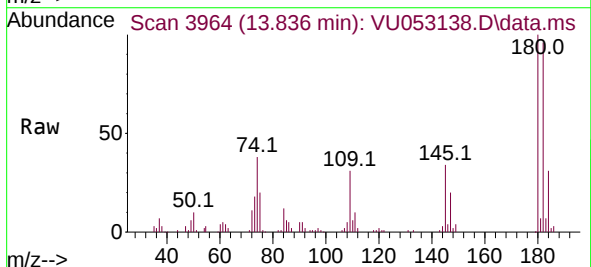
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005142

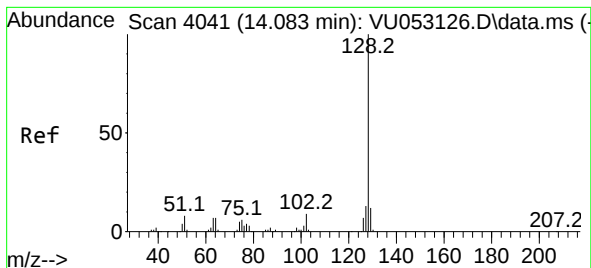
Tgt Ion:180	Resp:	59121
Ion Ratio	Lower	Upper
180	100	
182	96.1	75.4 113.0
184	31.2	23.8 35.6
145	30.8	25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.803 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VU053138.D
 Acq: 18 Feb 2023 16:50

Tgt Ion:180	Resp:	50607
Ion Ratio	Lower	Upper
180	100	
182	92.6	74.9 112.3
145	32.8	25.1 37.7





#71

Naphthalene

Concen: 4.789 ug/L

RT: 14.080 min Scan# 4041

Delta R.T. -0.003 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005142

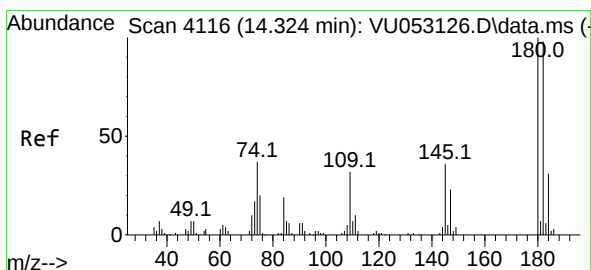
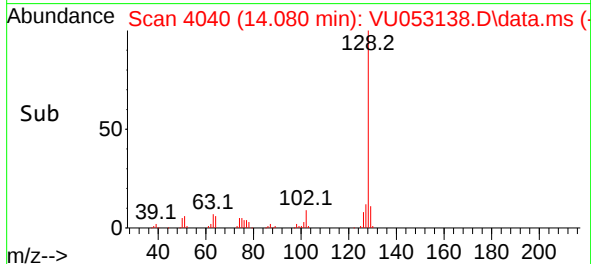
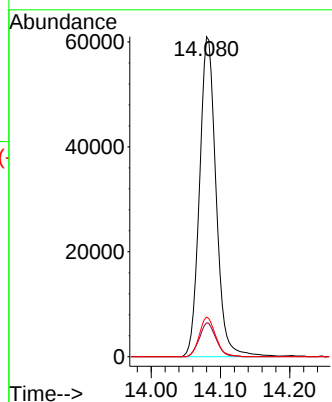
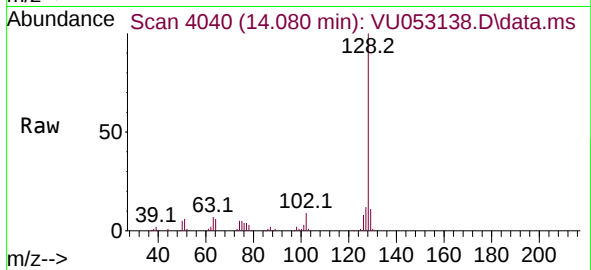
Tgt Ion:128 Resp: 101192

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 12.2 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.823 ug/L

RT: 14.324 min Scan# 4116

Delta R.T. 0.000 min

Lab File: VU053138.D

Acq: 18 Feb 2023 16:50

Tgt Ion:180 Resp: 44844

Ion Ratio Lower Upper

180 100

182 93.9 76.2 114.4

145 33.7 28.2 42.2

