

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021123\
 Data File : VU053067.D
 Acq On : 11 Feb 2023 23:20
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

Quant Time: Feb 12 22:53:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 12 22:49:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	114875	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	103655	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	48322	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	23541	4.278	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.913	69	24081	4.655	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.566	65	10988	4.353	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.000%
20) 2-Butanone-d5	4.637	46	92910	55.125	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.240%
24) Chloroform-d	5.058	84	59817	4.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.698	65	30250	4.741	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.723	84	108926	4.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.688	67	37863	4.667	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.400%
41) Toluene-d8	7.894	98	95112	4.520	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	8.177	79	14835	4.517	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.400%
46) 2-Hexanone-d5	8.630	63	78244	53.661	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.320%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	35679	5.121	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	35376	4.901	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	41005	4.862	ug/L	99
3) Chloromethane	1.518	50	42700	4.859	ug/L	98
5) Vinyl chloride	1.605	62	47974	4.955	ug/L	99
6) Bromomethane	1.859	94	25463	4.229	ug/L	99
8) Chloroethane	1.936	64	28300	4.964	ug/L	99
9) Trichlorofluoromethane	2.138	101	64542	4.839	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	35525	4.838	ug/L	99
12) 1,1-Dichloroethene	2.579	96	33815	4.976	ug/L	97
13) Acetone	2.659	43	51893	42.892	ug/L #	24
14) Carbon disulfide	2.791	76	104746	5.104	ug/L	98
15) Methyl Acetate	2.955	43	13398	4.536	ug/L #	74
16) Methylene chloride	3.042	84	37118	4.721	ug/L	97
17) Methyl tert-butyl Ether	3.357	73	94974	5.147	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	35159	4.889	ug/L	100
19) 1,1-Dichloroethane	3.865	63	69409	5.125	ug/L	98
21) 2-Butanone	4.714	43	89447	50.046	ug/L	93
22) cis-1,2-Dichloroethene	4.662	96	41327	5.092	ug/L	98
23) Bromochloromethane	4.968	128	16749	5.211	ug/L	98
25) Chloroform	5.084	83	71175	5.027	ug/L	98

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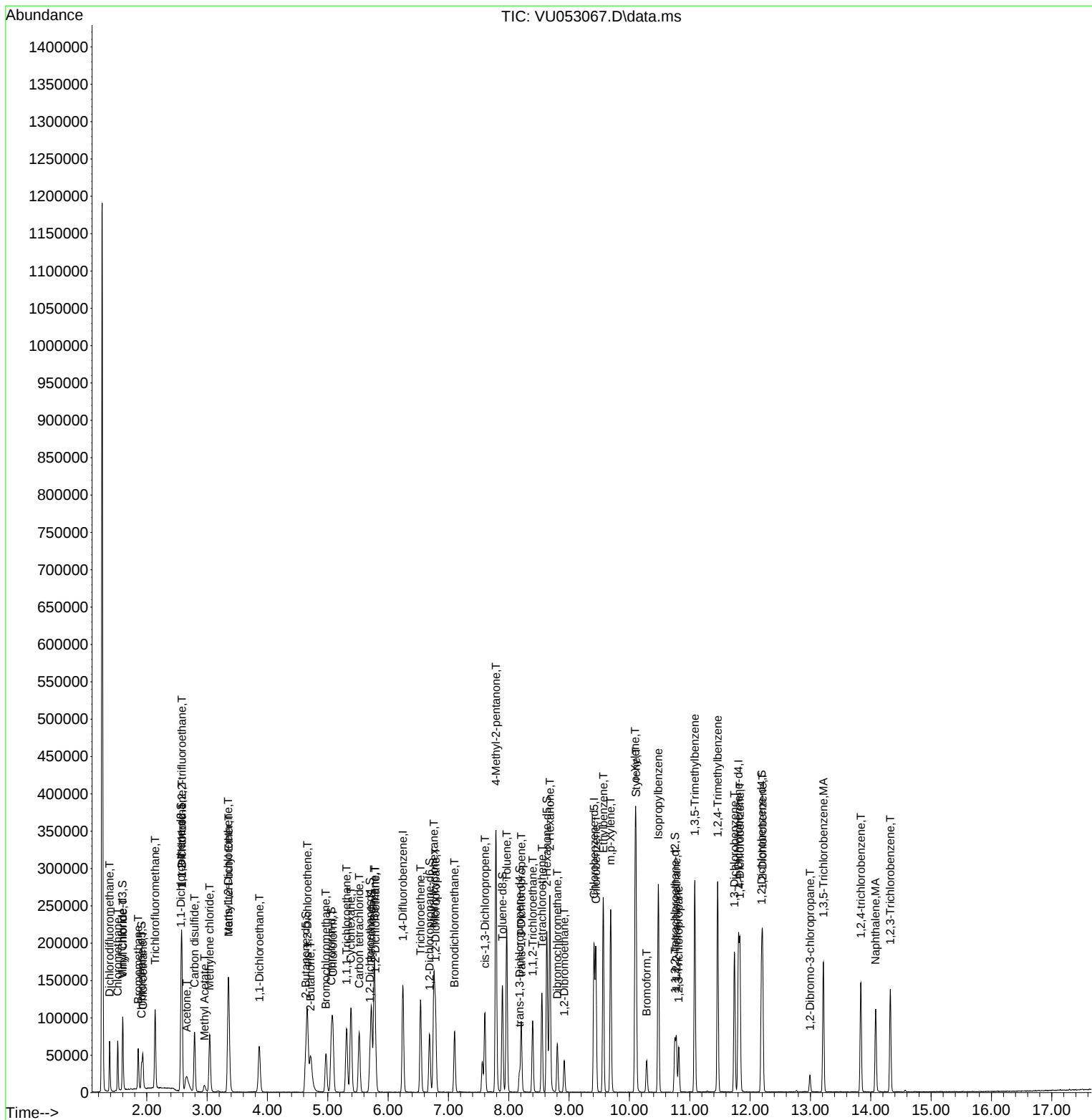
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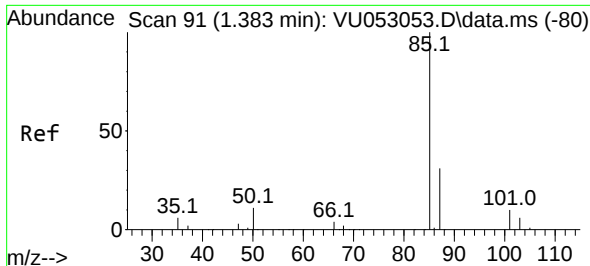
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	46034	5.289	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	60585	4.893	ug/L	97
30) Cyclohexane	5.383	56	63032	5.091	ug/L	98
31) Carbon tetrachloride	5.521	117	51749	5.007	ug/L	99
33) Benzene	5.768	78	152528	5.107	ug/L	100
34) Trichloroethene	6.537	95	42091	5.008	ug/L	97
35) Methylcyclohexane	6.759	83	67286	4.945	ug/L	98
37) 1,2-Dichloropropane	6.788	63	41509	5.104	ug/L	99
38) Bromodichloromethane	7.100	83	52107	4.941	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	65253	5.030	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	221104	52.077	ug/L	100
42) Toluene	7.964	91	164444	5.068	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	53535	5.003	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	29116	4.969	ug/L	97
47) Tetrachloroethene	8.550	164	25835	4.729	ug/L	96
48) 2-Hexanone	8.681	43	159918	51.320	ug/L	99
49) Dibromochloromethane	8.804	129	32576	5.099	ug/L	99
50) 1,2-Dibromoethane	8.919	107	27679	5.119	ug/L	98
51) Chlorobenzene	9.444	112	99437	4.913	ug/L	99
52) Ethylbenzene	9.566	91	184271	5.005	ug/L	100
53) m,p-Xylene	9.688	106	69795	5.069	ug/L	99
54) o-Xylene	10.096	106	67987	5.094	ug/L	99
55) Styrene	10.109	104	110774	5.116	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	37589	5.070	ug/L	100
59) Bromoform	10.286	173	17839	5.079	ug/L	96
60) Isopropylbenzene	10.479	105	181064	5.179	ug/L	99
61) 1,2,3-Trichloropropane	10.816	75	24666	5.316	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	153063	5.184	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	155159	5.251	ug/L	100
64) 1,3-Dichlorobenzene	11.739	146	71419	5.045	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	71390	5.033	ug/L	99
67) 1,2-Dichlorobenzene	12.205	146	67118	5.084	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.993	75	6274	5.753	ug/L	99
69) 1,3,5-Trichlorobenzene	13.215	180	48847	4.844	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	41138	4.914	ug/L	98
71) Naphthalene	14.080	128	86461	5.149	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	36939	4.999	ug/L	99

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

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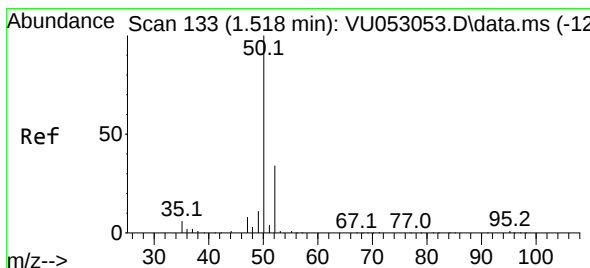
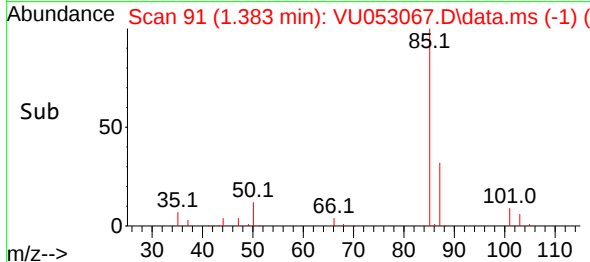
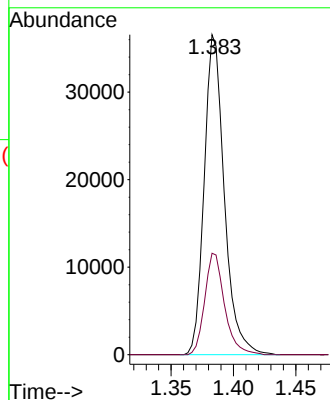
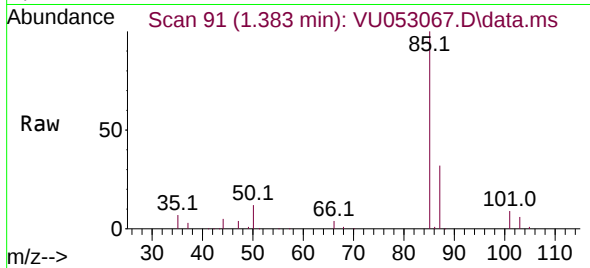




#2
 Dichlorodifluoromethane
 Concen: 4.862 ug/L
 RT: 1.383 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU053067.D
 Acq: 11 Feb 2023 23:20

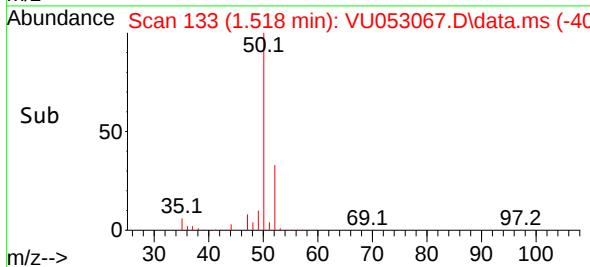
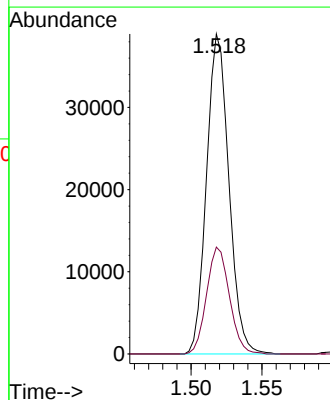
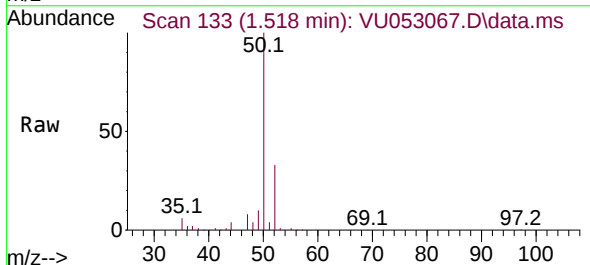
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

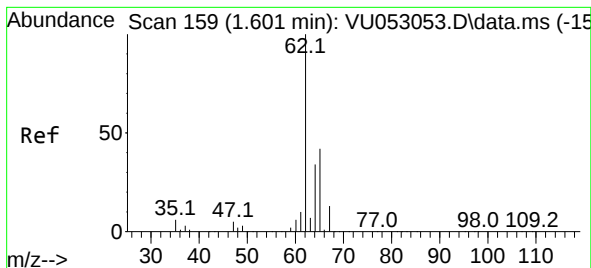
Tgt Ion: 85 Resp: 41005
 Ion Ratio Lower Upper
 85 100
 87 31.2 25.5 38.3



#3
 Chloromethane
 Concen: 4.859 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. 0.000 min
 Lab File: VU053067.D
 Acq: 11 Feb 2023 23:20

Tgt Ion: 50 Resp: 42700
 Ion Ratio Lower Upper
 50 100
 52 33.4 24.1 44.7





#5

Vinyl chloride

Concen: 4.955 ug/L

RT: 1.605 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

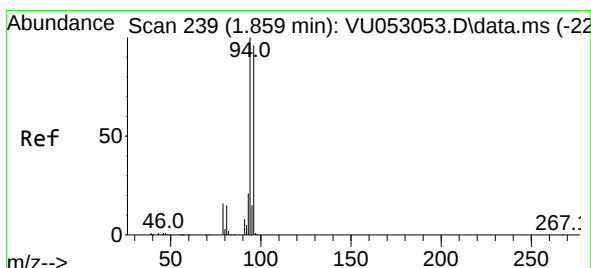
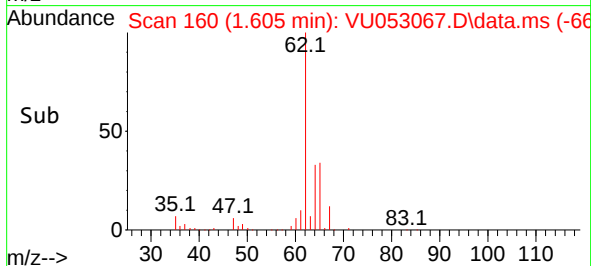
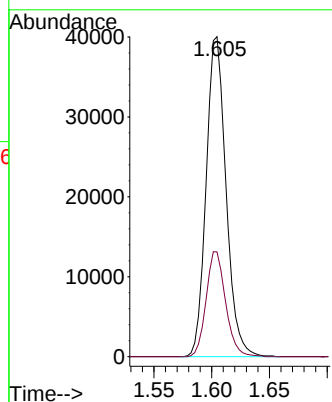
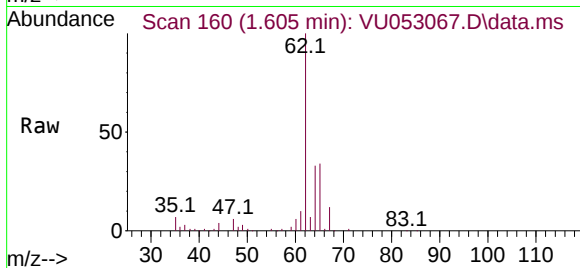
VSTD005138

Tgt Ion: 62 Resp: 47974

Ion Ratio Lower Upper

62 100

64 32.8 22.5 41.9



#6

Bromomethane

Concen: 4.229 ug/L

RT: 1.859 min Scan# 239

Delta R.T. 0.000 min

Lab File: VU053067.D

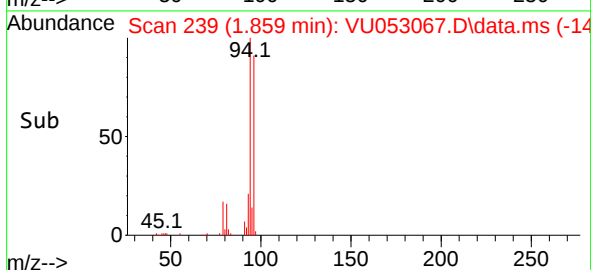
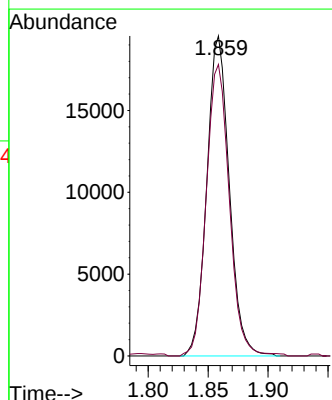
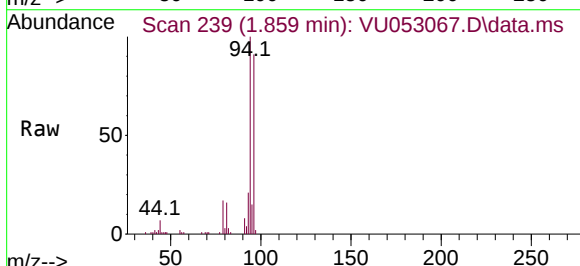
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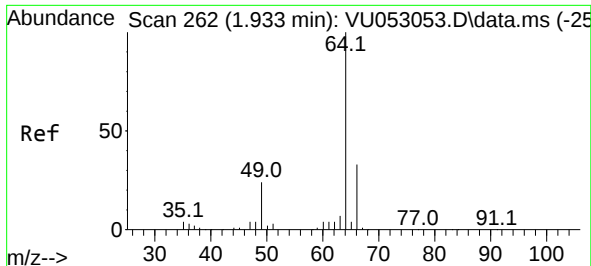
Tgt Ion: 94 Resp: 25463

Ion Ratio Lower Upper

94 100

96 91.1 64.8 120.3

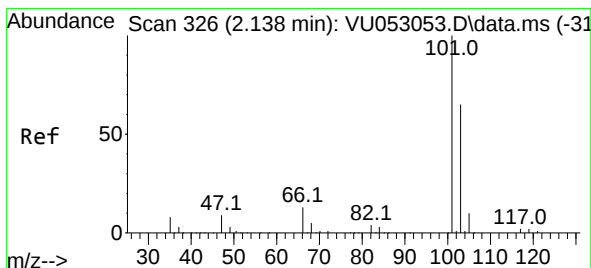
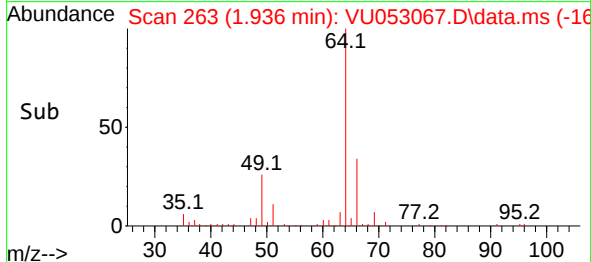
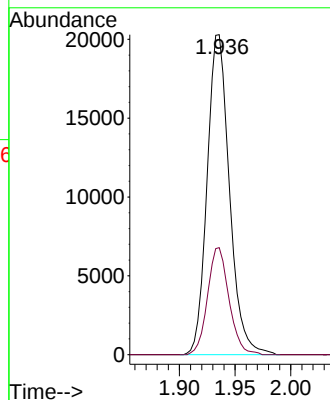
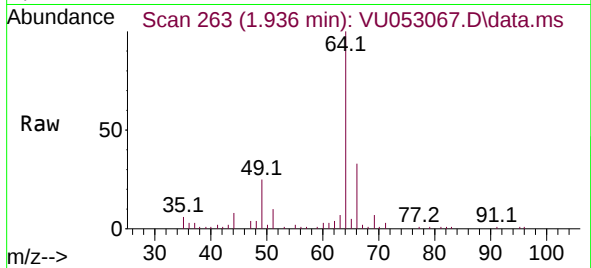




#8
Chloroethane
Concen: 4.964 ug/L
RT: 1.936 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

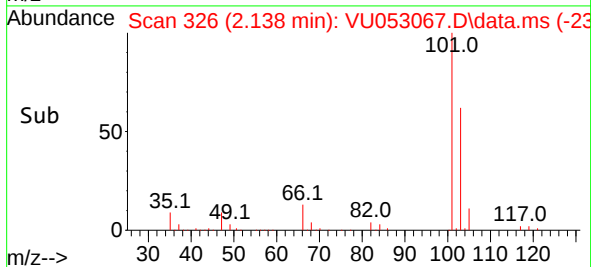
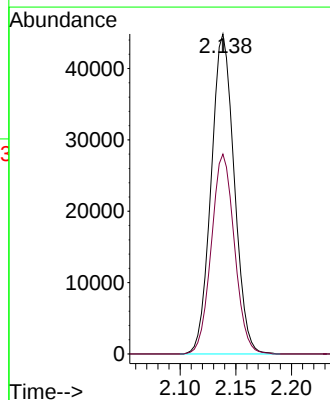
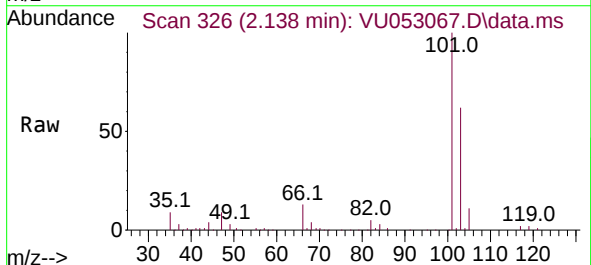
Instrument :
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ClientSampleId :
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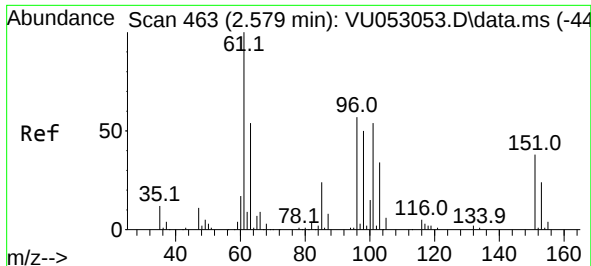
Tgt Ion: 64 Resp: 28300
Ion Ratio Lower Upper
64 100
66 33.4 23.9 44.3



#9
Trichlorofluoromethane
Concen: 4.839 ug/L
RT: 2.138 min Scan# 326
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Tgt Ion:101 Resp: 64542
Ion Ratio Lower Upper
101 100
103 62.6 52.6 78.8

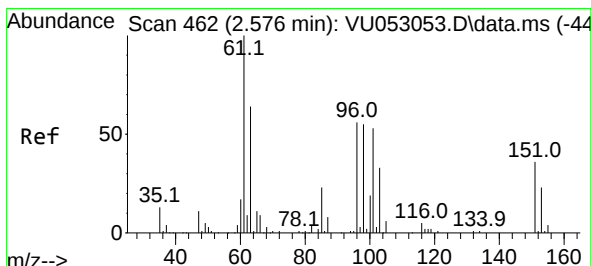
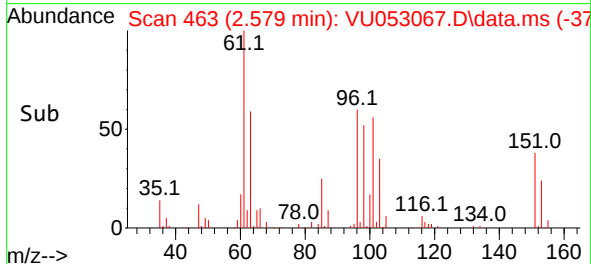
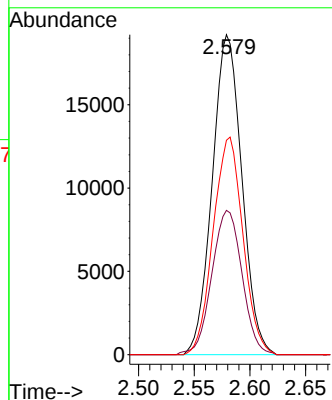
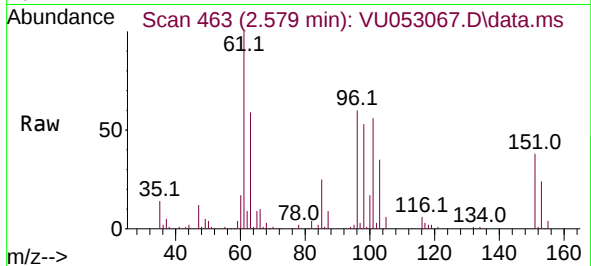




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.838 ug/L
 RT: 2.579 min Scan# 463
 Delta R.T. 0.000 min
 Lab File: VU053067.D
 Acq: 11 Feb 2023 23:20

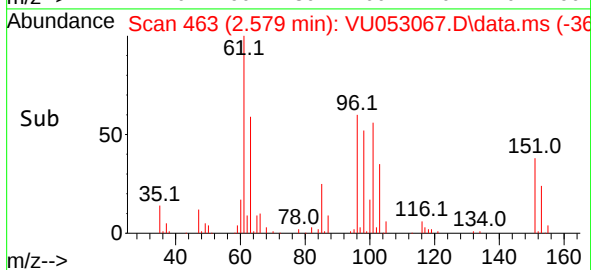
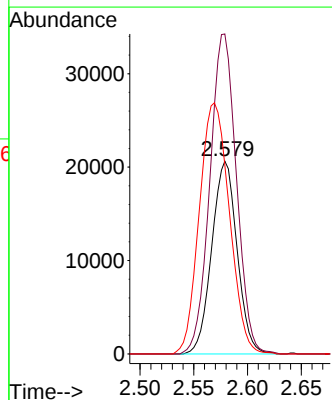
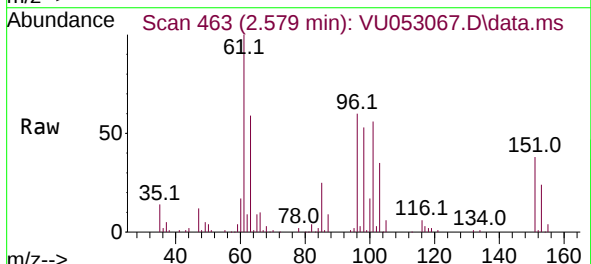
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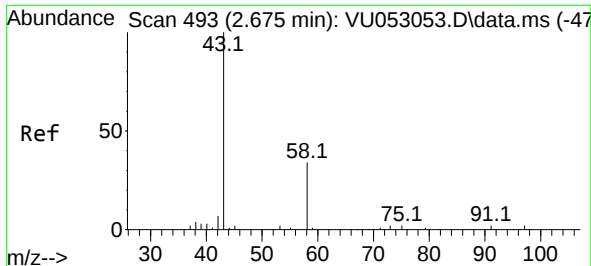
Tgt Ion: 101 Resp: 35525
 Ion Ratio Lower Upper
 101 100
 85 46.0 36.8 55.2
 151 68.4 53.8 80.8



#12
 1,1-Dichloroethene
 Concen: 4.976 ug/L
 RT: 2.579 min Scan# 463
 Delta R.T. 0.003 min
 Lab File: VU053067.D
 Acq: 11 Feb 2023 23:20

Tgt Ion: 96 Resp: 33815
 Ion Ratio Lower Upper
 96 100
 61 165.9 115.1 213.7
 63 97.9 63.6 118.0





#13

Acetone

Concen: 42.892 ug/L

RT: 2.659 min Scan# 41

Delta R.T. -0.016 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

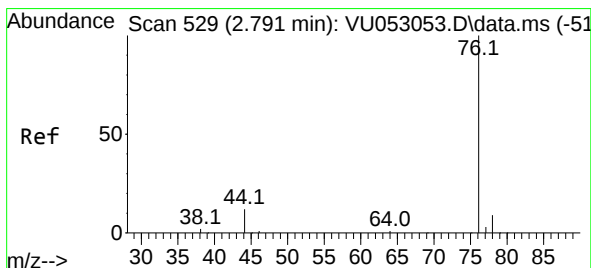
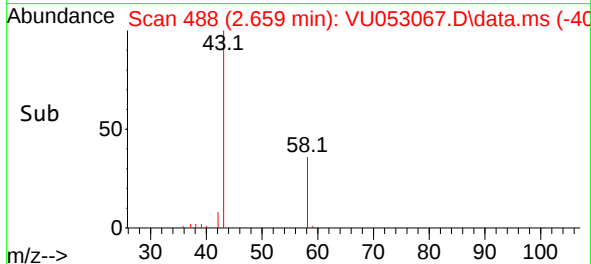
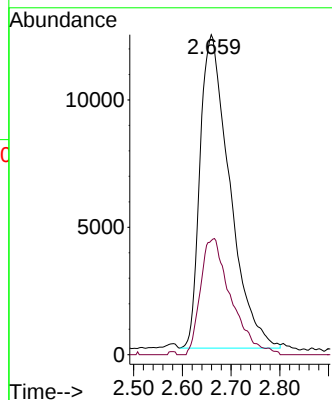
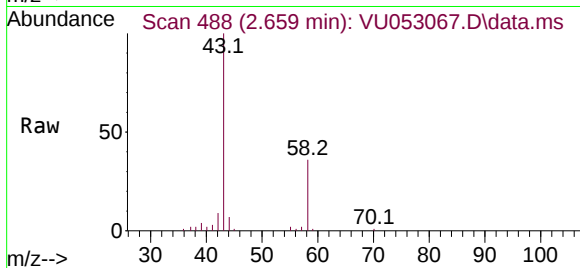
VSTD005138

Tgt Ion: 43 Resp: 51893

Ion Ratio Lower Upper

43 100

58 37.8 0.0 19.6#



#14

Carbon disulfide

Concen: 5.104 ug/L

RT: 2.791 min Scan# 529

Delta R.T. 0.000 min

Lab File: VU053067.D

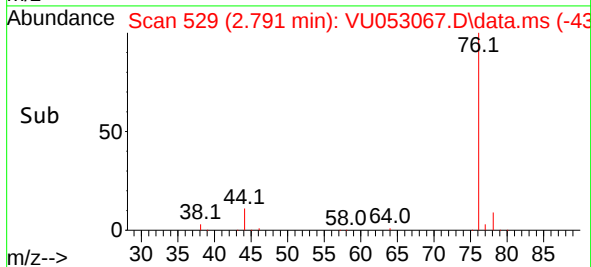
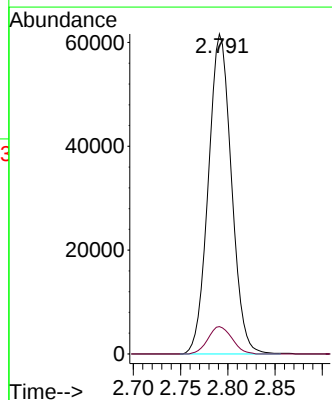
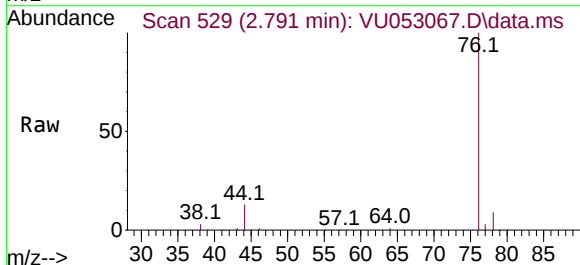
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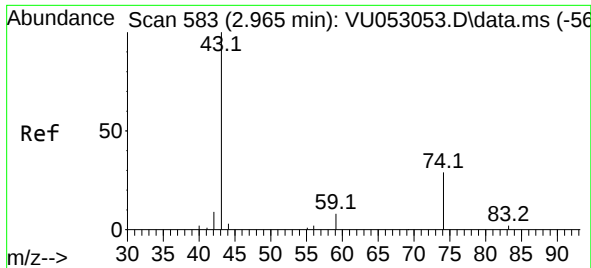
Tgt Ion: 76 Resp: 104746

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3

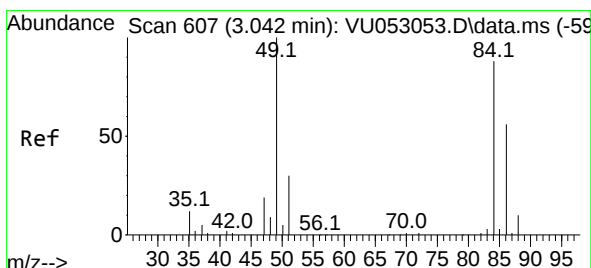
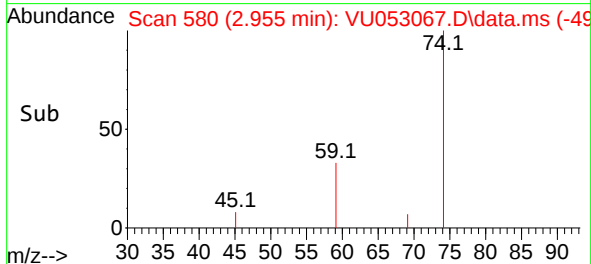
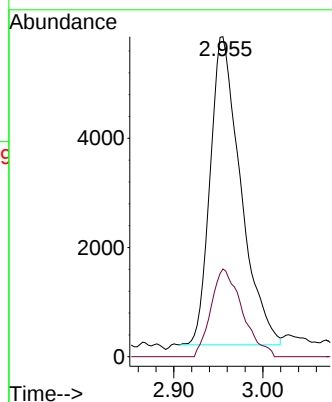
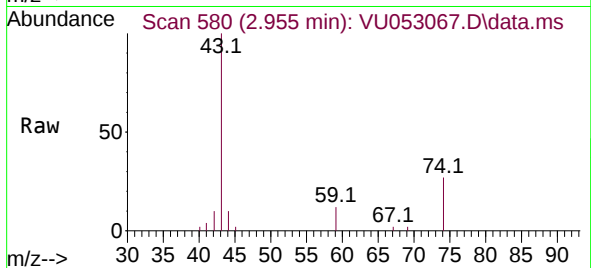




#15
Methyl Acetate
Concen: 4.536 ug/L
RT: 2.955 min Scan# 580
Delta R.T. -0.010 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

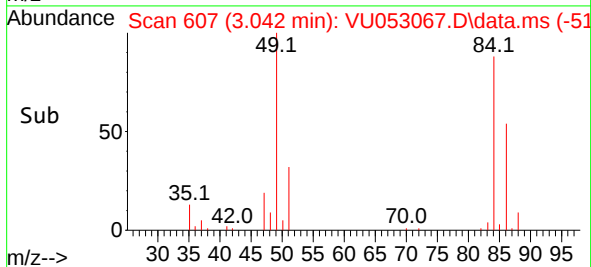
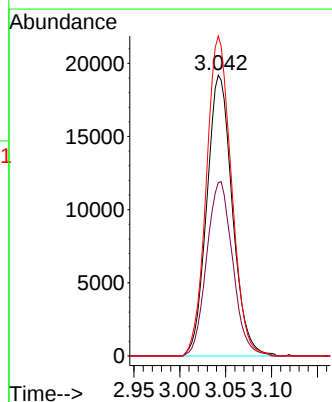
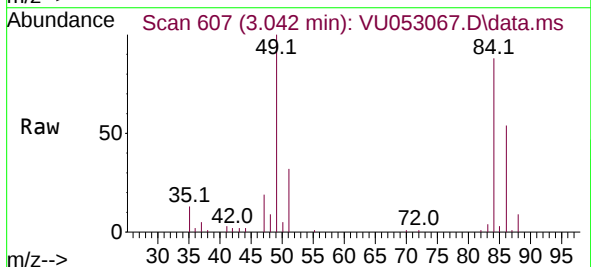
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

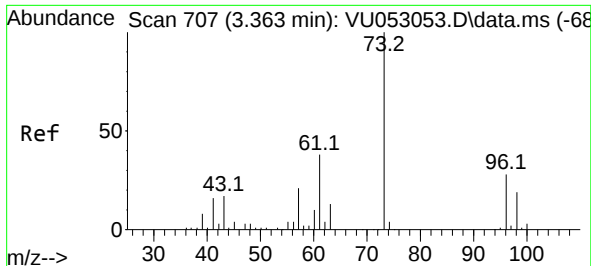
Tgt Ion: 43 Resp: 13398
Ion Ratio Lower Upper
43 100
74 29.2 14.3 21.5#



#16
Methylene chloride
Concen: 4.721 ug/L
RT: 3.042 min Scan# 607
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Tgt Ion: 84 Resp: 37118
Ion Ratio Lower Upper
84 100
86 61.8 44.9 83.3
49 114.0 82.6 153.4





#17

Methyl tert-butyl Ether

Concen: 5.147 ug/L

RT: 3.357 min Scan# 705

Delta R.T. -0.006 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

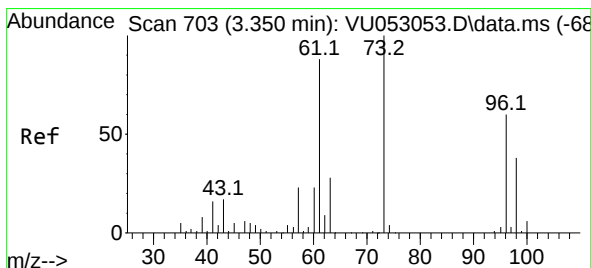
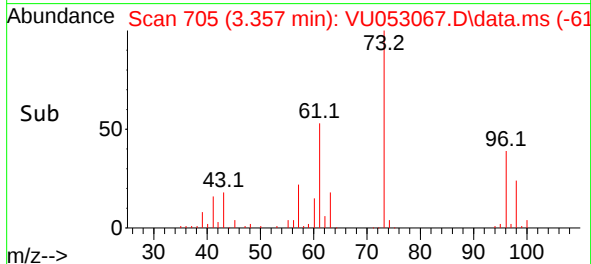
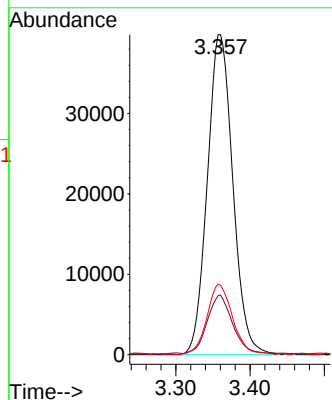
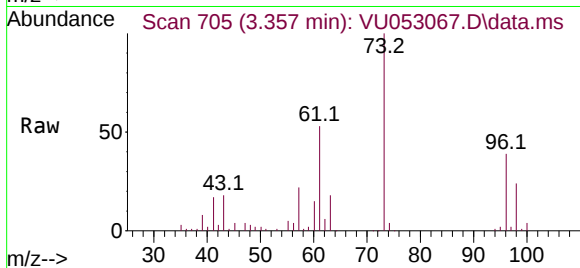
Tgt Ion: 73 Resp: 94974

Ion Ratio Lower Upper

73 100

43 18.3 14.6 21.8

57 22.2 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 4.889 ug/L

RT: 3.351 min Scan# 703

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

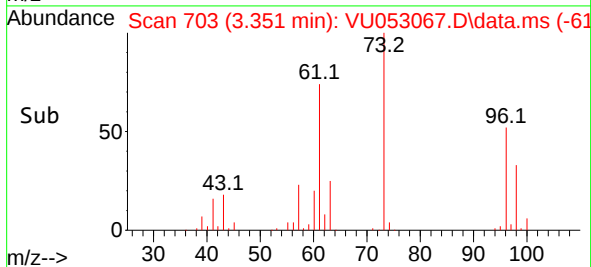
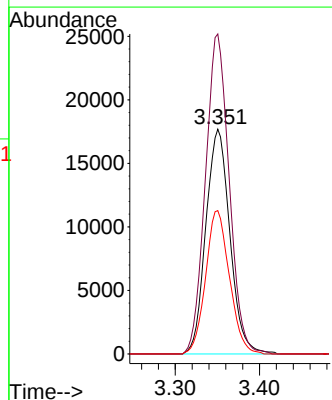
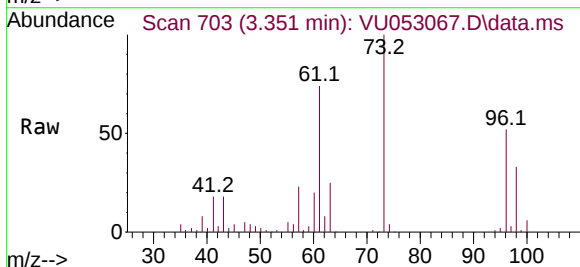
Tgt Ion: 96 Resp: 35159

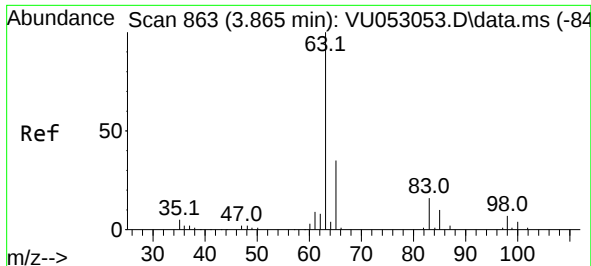
Ion Ratio Lower Upper

96 100

61 142.4 99.5 184.9

98 63.8 44.8 83.2





#19

1,1-Dichloroethane

Concen: 5.125 ug/L

RT: 3.865 min Scan# 8

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

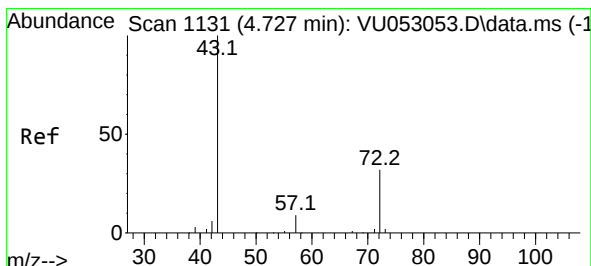
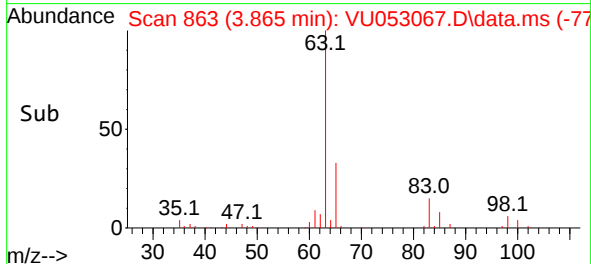
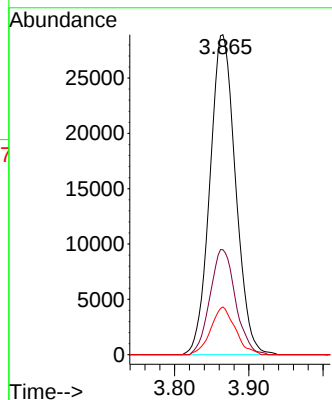
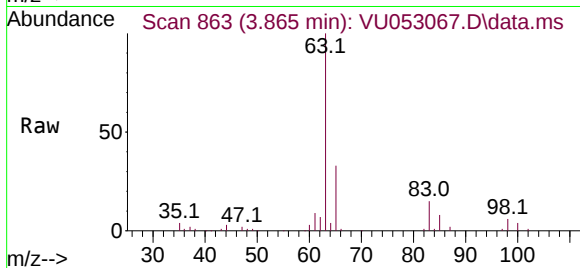
Tgt Ion: 63 Resp: 69409

Ion Ratio Lower Upper

63 100

65 32.8 22.3 41.3

83 14.9 9.8 18.2



#21

2-Butanone

Concen: 50.046 ug/L

RT: 4.714 min Scan# 1127

Delta R.T. -0.013 min

Lab File: VU053067.D

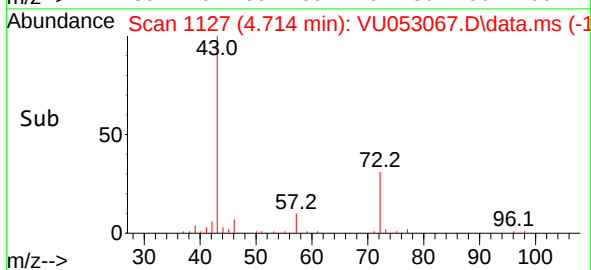
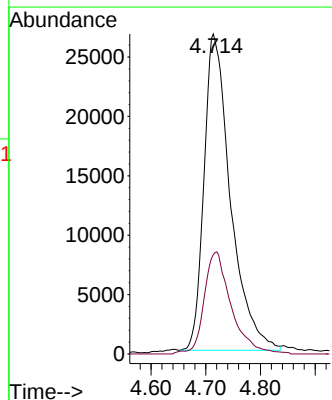
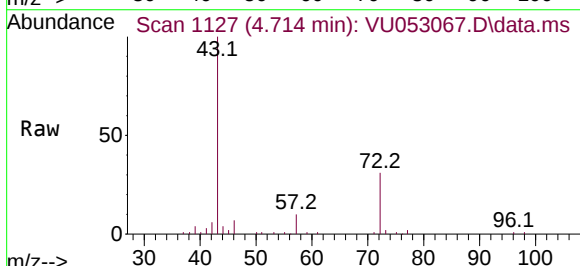
Acq: 11 Feb 2023 23:20

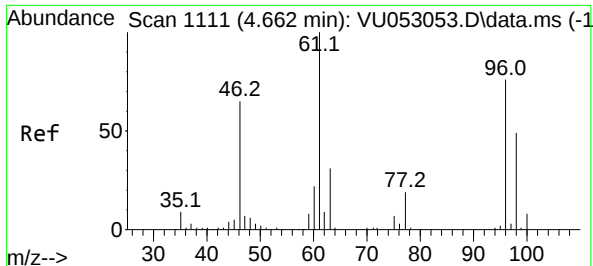
Tgt Ion: 43 Resp: 89447

Ion Ratio Lower Upper

43 100

72 33.0 14.5 43.5





#22

cis-1,2-Dichloroethene

Concen: 5.092 ug/L

RT: 4.662 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

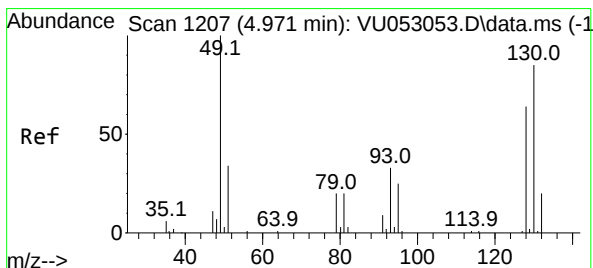
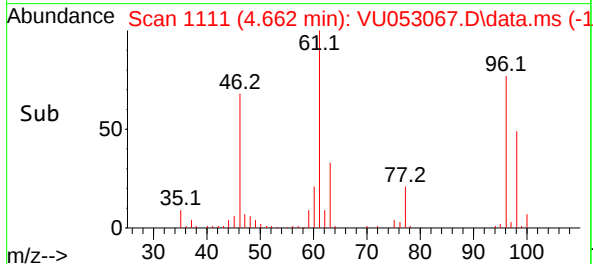
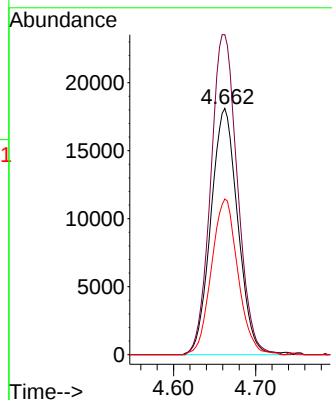
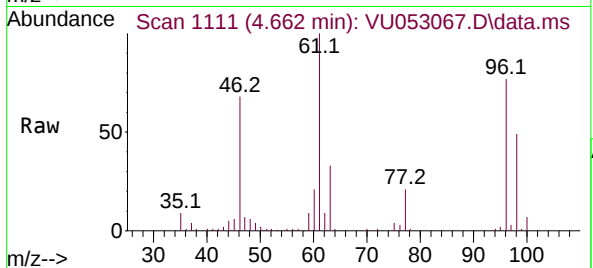
Tgt Ion: 96 Resp: 41327

Ion Ratio Lower Upper

96 100

61 130.0 90.9 168.9

98 63.2 47.0 87.4



#23

Bromochloromethane

Concen: 5.211 ug/L

RT: 4.968 min Scan# 1206

Delta R.T. -0.003 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Tgt Ion:128 Resp: 16749

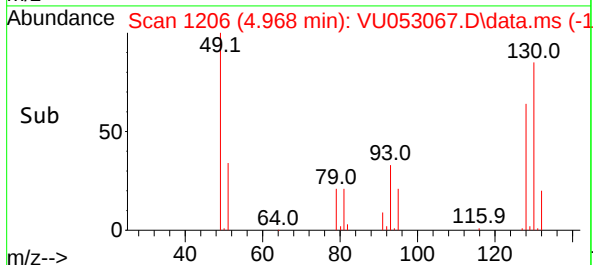
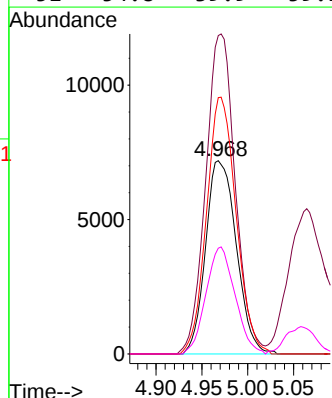
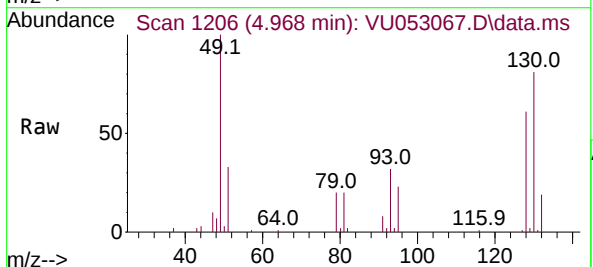
Ion Ratio Lower Upper

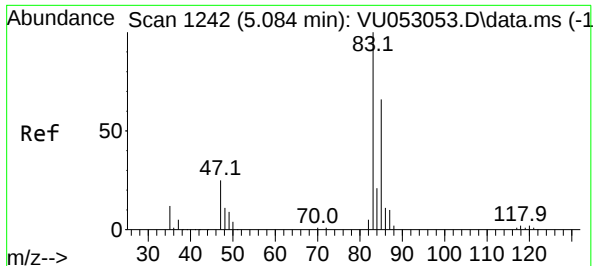
128 100

49 164.7 114.2 212.0

130 132.7 91.6 170.2

51 54.8 39.9 59.9





#25

Chloroform

Concen: 5.027 ug/L

RT: 5.084 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

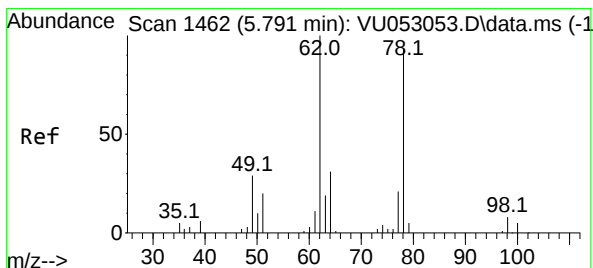
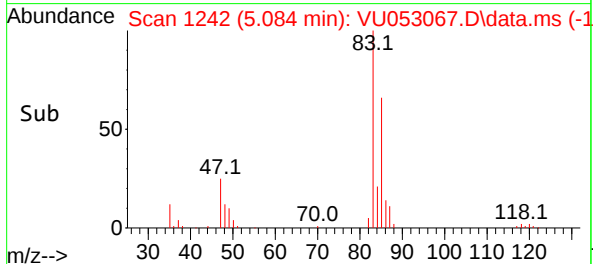
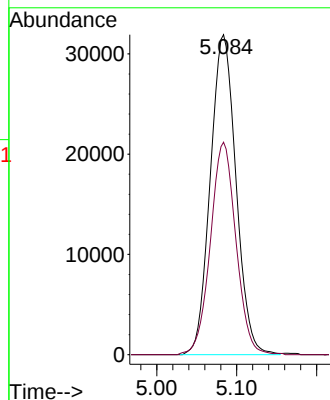
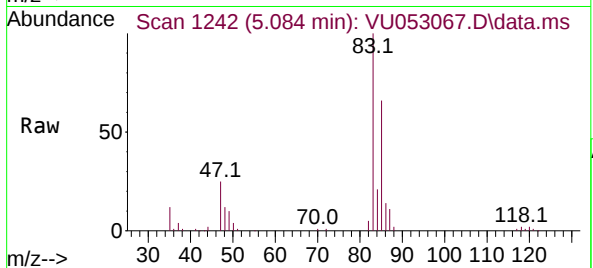
VSTD005138

Tgt Ion: 83 Resp: 71175

Ion Ratio Lower Upper

83 100

85 66.4 47.7 88.5



#27

1,2-Dichloroethane

Concen: 5.289 ug/L

RT: 5.791 min Scan# 1462

Delta R.T. 0.000 min

Lab File: VU053067.D

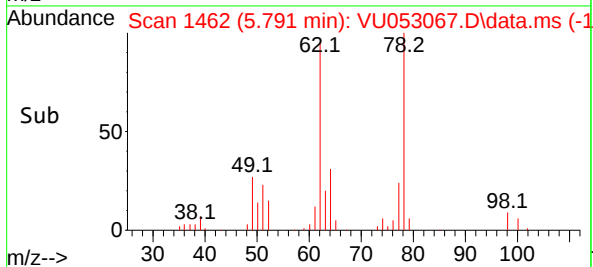
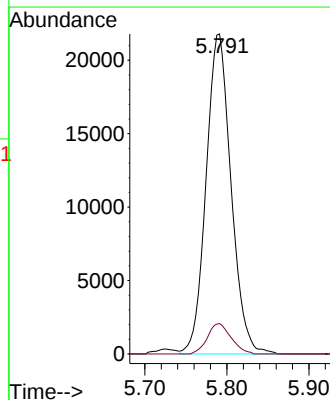
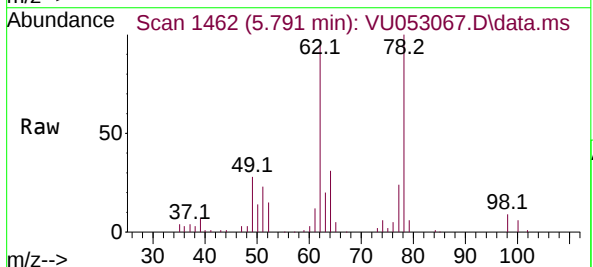
Acq: 11 Feb 2023 23:20

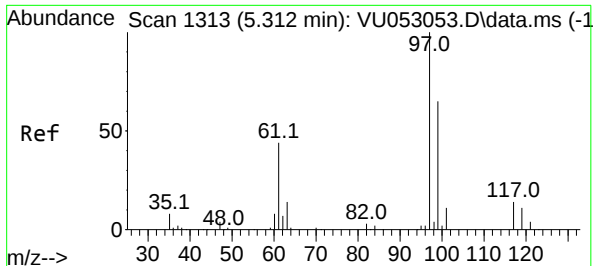
Tgt Ion: 62 Resp: 46034

Ion Ratio Lower Upper

62 100

98 9.5 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 4.893 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

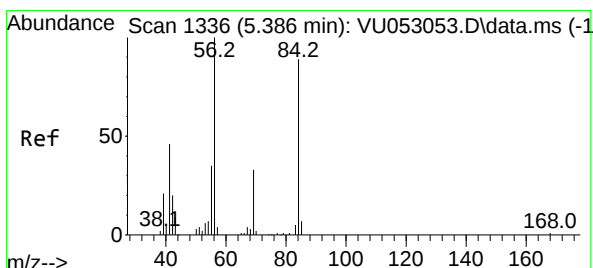
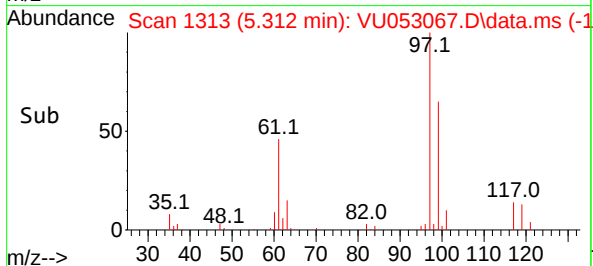
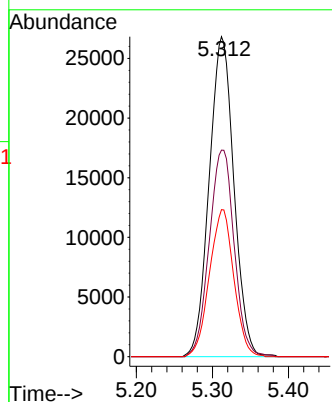
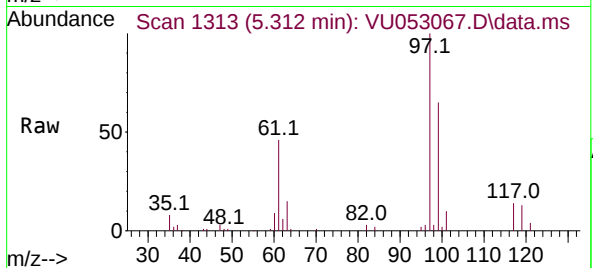
Tgt Ion: 97 Resp: 60585

Ion Ratio Lower Upper

97 100

99 65.2 51.0 76.6

61 45.3 34.2 51.4



#30

Cyclohexane

Concen: 5.091 ug/L

RT: 5.383 min Scan# 1335

Delta R.T. -0.003 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

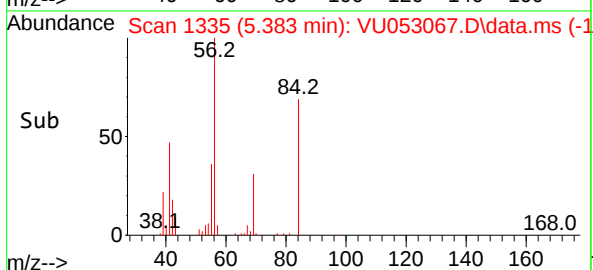
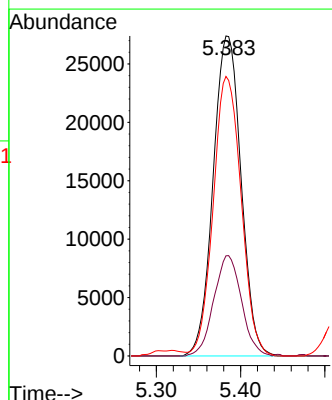
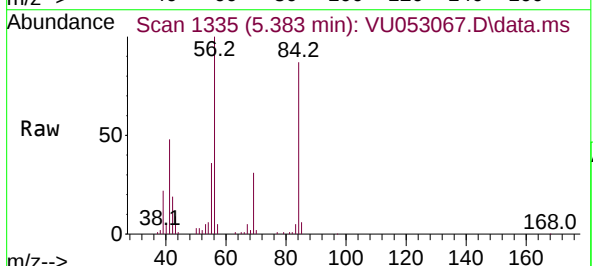
Tgt Ion: 56 Resp: 63032

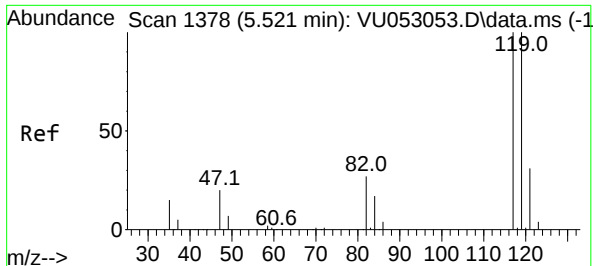
Ion Ratio Lower Upper

56 100

69 31.0 27.0 40.6

84 87.3 70.8 106.2

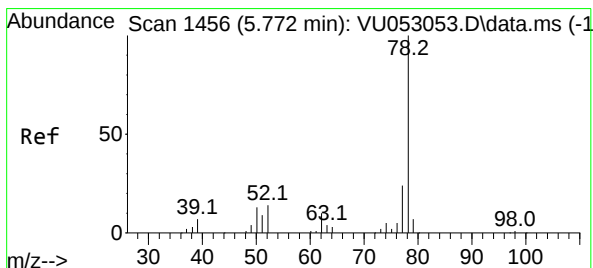
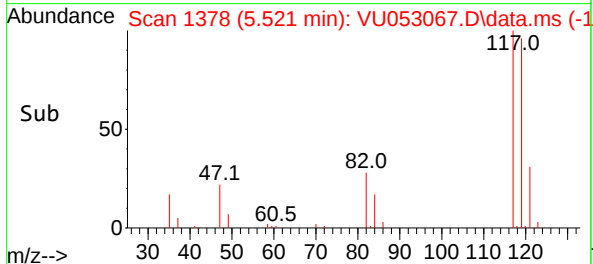
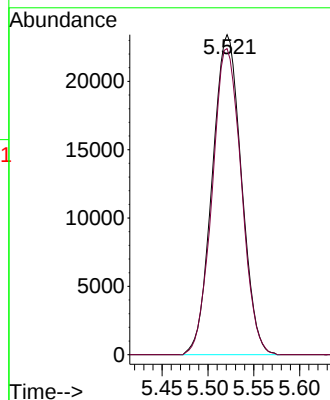
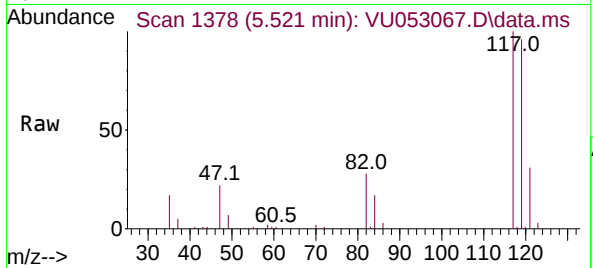




#31
Carbon tetrachloride
Concen: 5.007 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

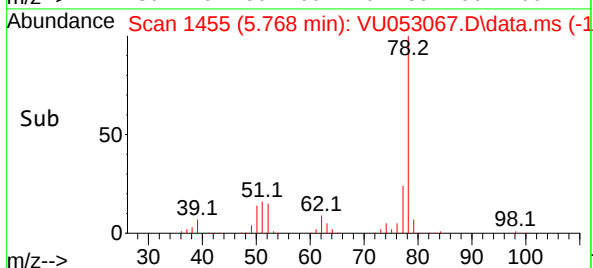
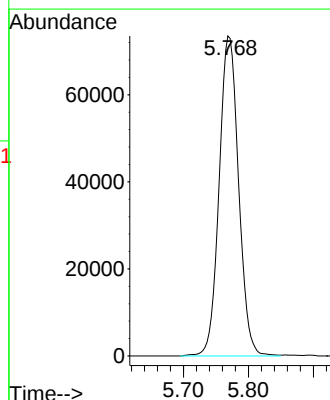
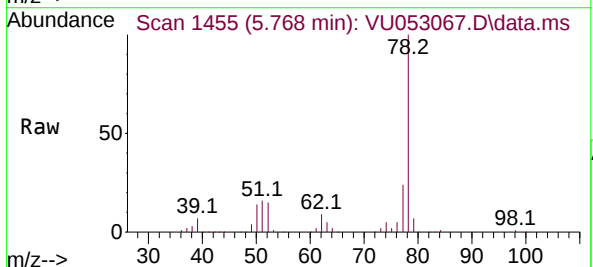
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

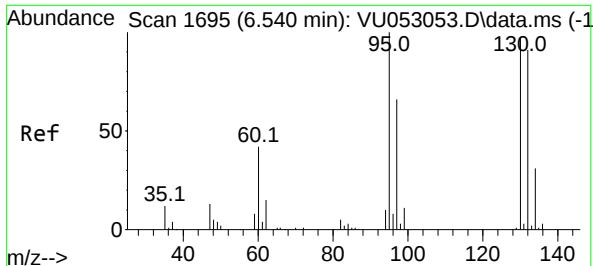
Tgt Ion:117 Resp: 51749
Ion Ratio Lower Upper
117 100
119 95.4 75.4 113.0



#33
Benzene
Concen: 5.107 ug/L
RT: 5.768 min Scan# 1455
Delta R.T. -0.003 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Tgt Ion: 78 Resp: 152528



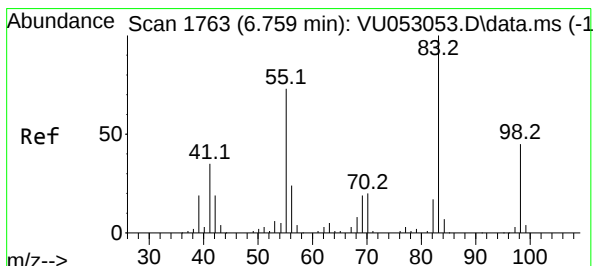
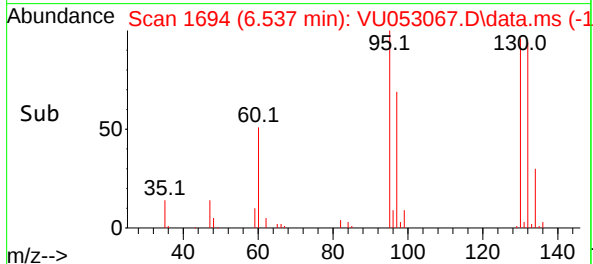
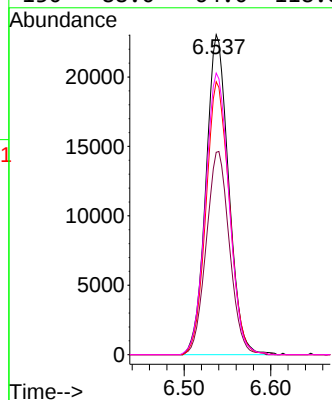
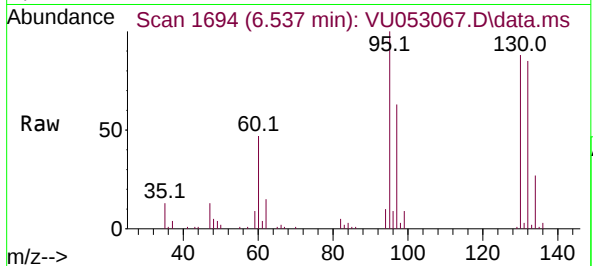


#34
Trichloroethene
Concen: 5.008 ug/L
RT: 6.537 min Scan# 1694
Delta R.T. -0.003 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

Tgt Ion: 95 Resp: 42091

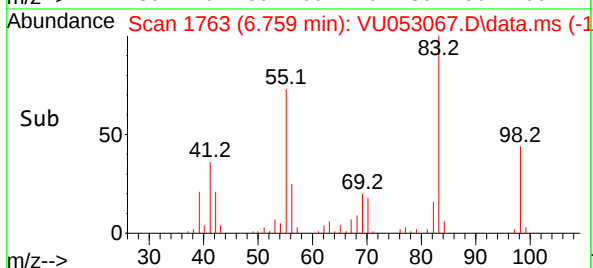
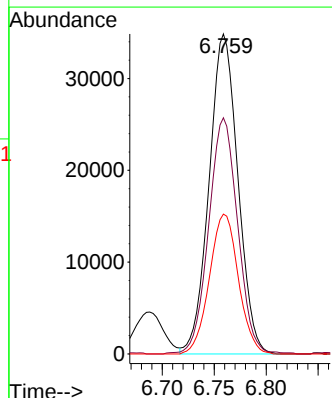
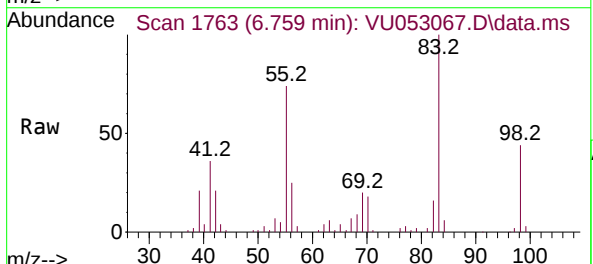
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.7	82.9
132	85.3	62.3	115.7
130	88.0	64.0	118.8

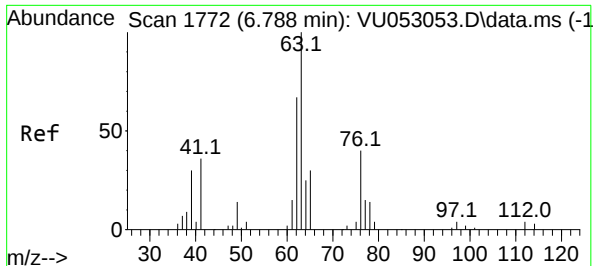


#35
Methylcyclohexane
Concen: 4.945 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Tgt Ion: 83 Resp: 67286

Ion	Ratio	Lower	Upper
83	100		
55	74.3	57.9	86.9
98	43.9	36.4	54.6





#37

1,2-Dichloropropane

Concen: 5.104 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

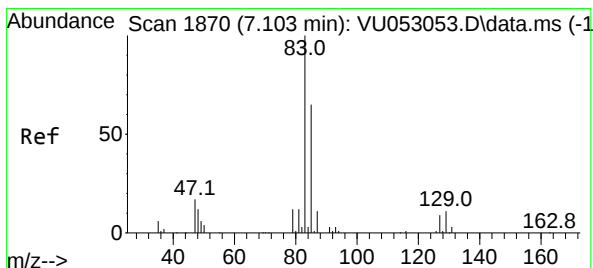
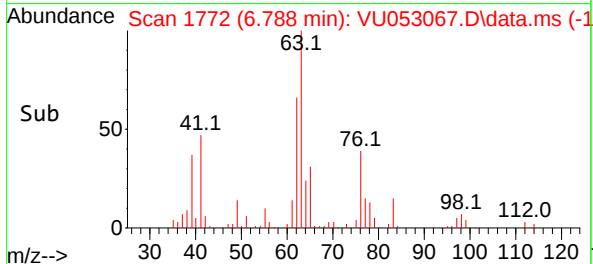
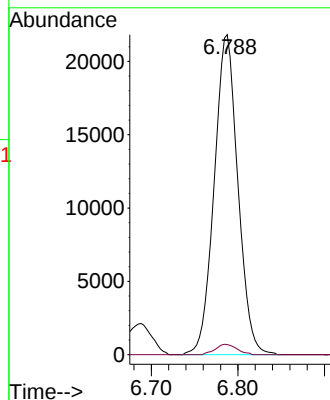
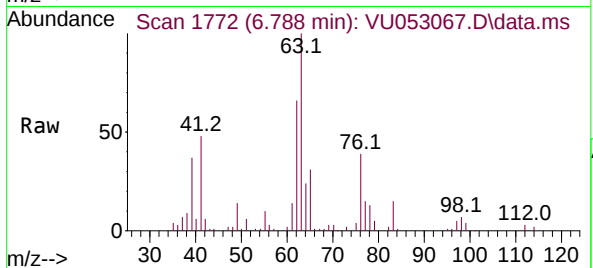
VSTD005138

Tgt Ion: 63 Resp: 41509

Ion Ratio Lower Upper

63 100

112 2.9 2.7 4.1



#38

Bromodichloromethane

Concen: 4.941 ug/L

RT: 7.100 min Scan# 1869

Delta R.T. -0.003 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

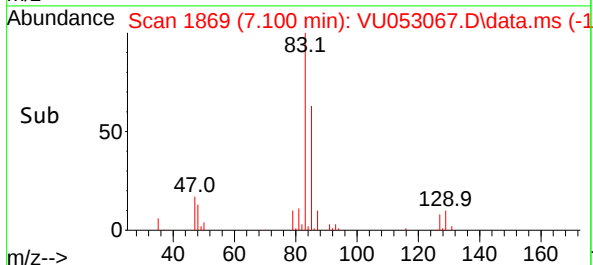
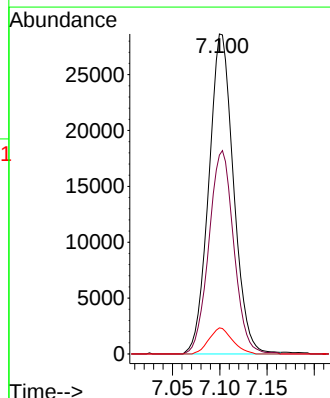
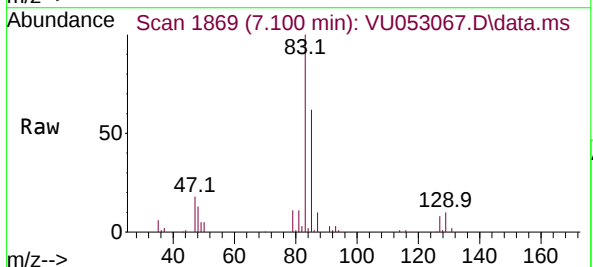
Tgt Ion: 83 Resp: 52107

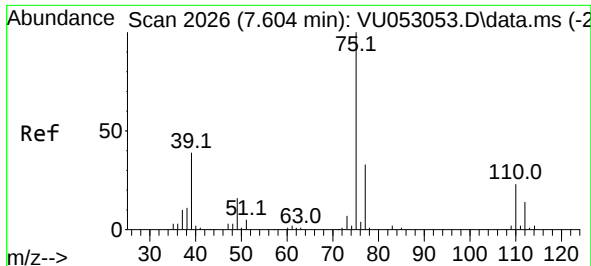
Ion Ratio Lower Upper

83 100

85 62.2 44.7 82.9

127 8.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.030 ug/L

RT: 7.604 min Scan# 2026

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

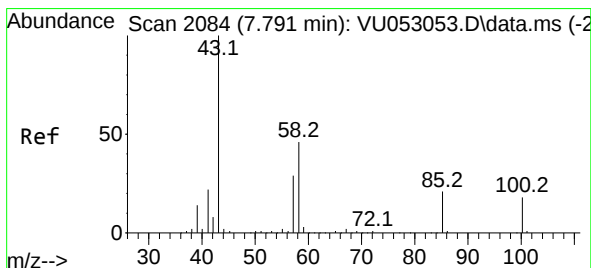
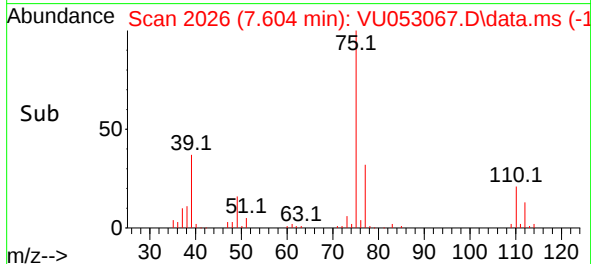
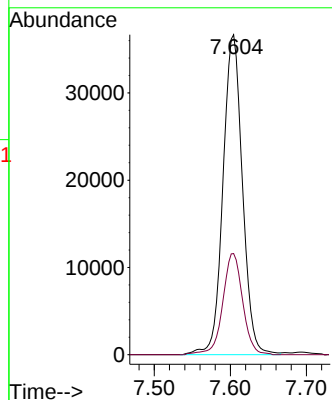
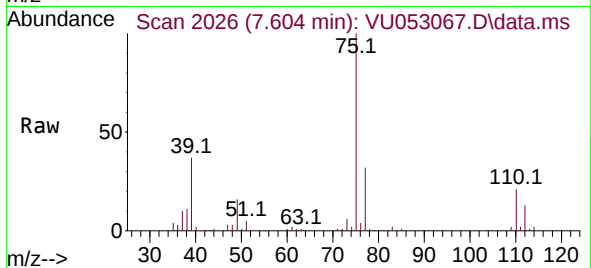
VSTD005138

Tgt Ion: 75 Resp: 65253

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 52.077 ug/L

RT: 7.788 min Scan# 2083

Delta R.T. -0.003 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

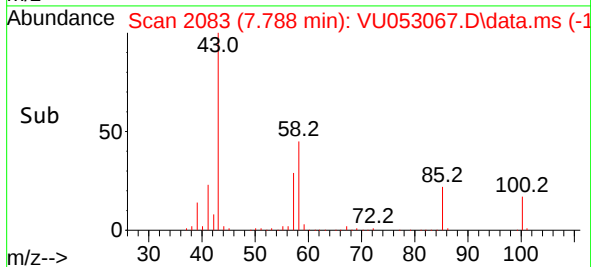
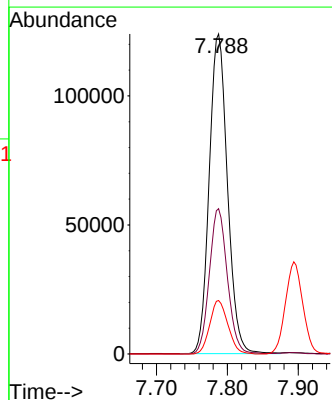
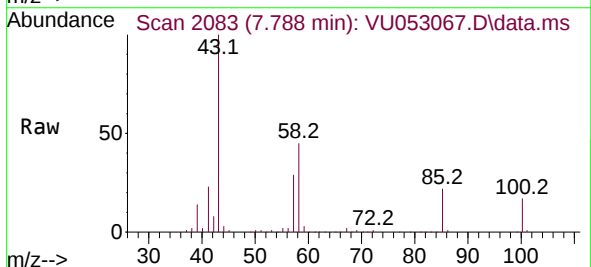
Tgt Ion: 43 Resp: 221104

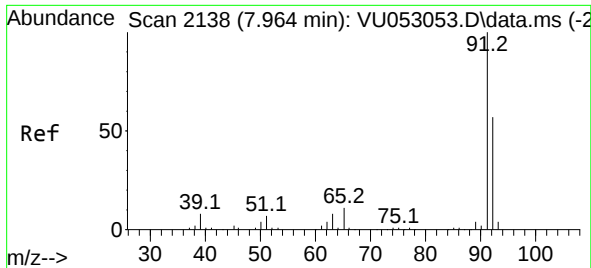
Ion Ratio Lower Upper

43 100

58 45.0 35.9 53.9

100 16.6 13.8 20.6





#42

Toluene

Concen: 5.068 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

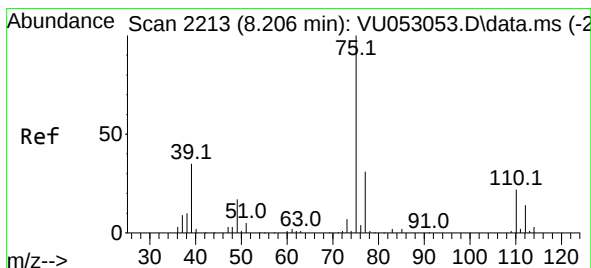
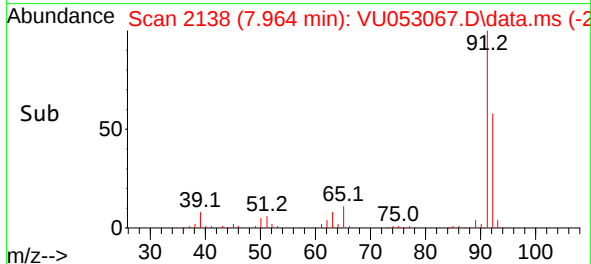
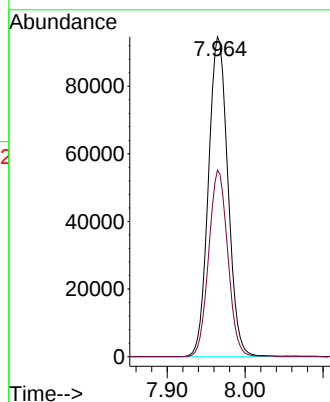
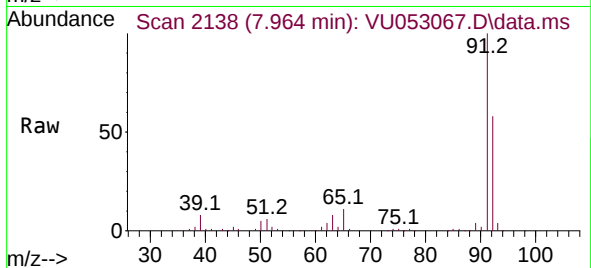
VSTD005138

Tgt Ion: 91 Resp: 164444

Ion Ratio Lower Upper

91 100

92 58.3 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.003 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VU053067.D

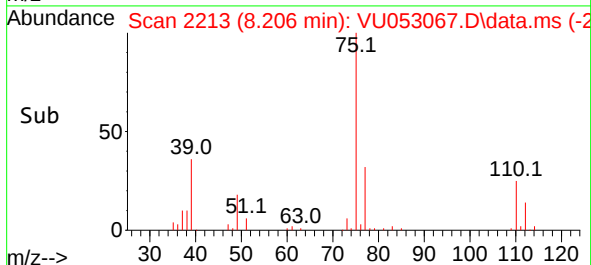
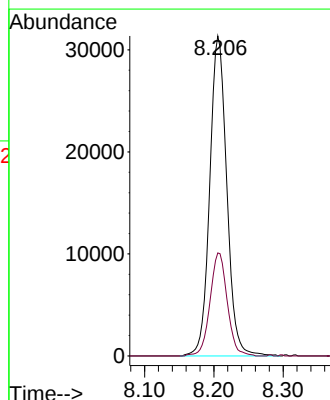
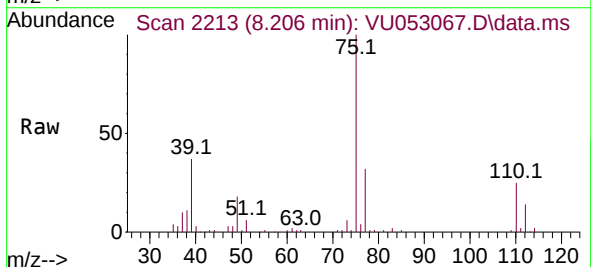
Acq: 11 Feb 2023 23:20

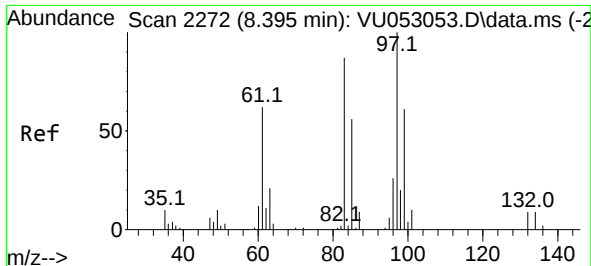
Tgt Ion: 75 Resp: 53535

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.3

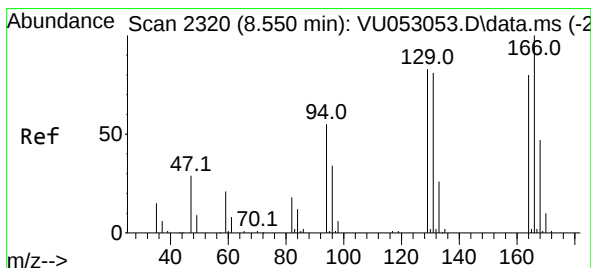
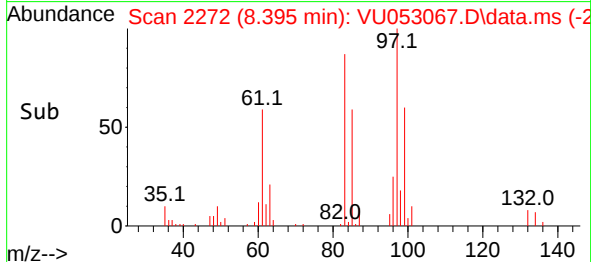
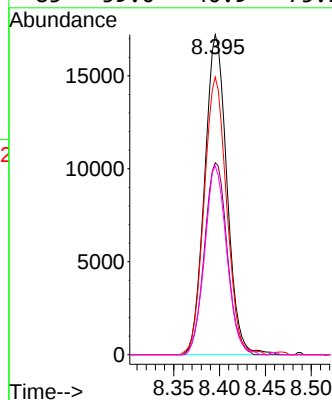
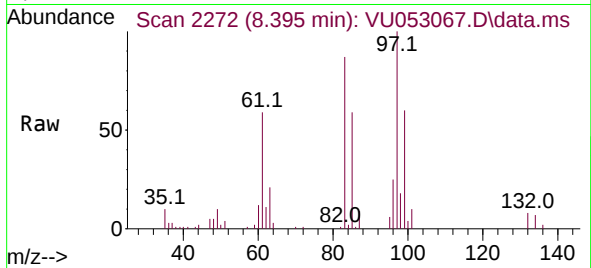




#45
1,1,2-Trichloroethane
Concen: 4.969 ug/L
RT: 8.395 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

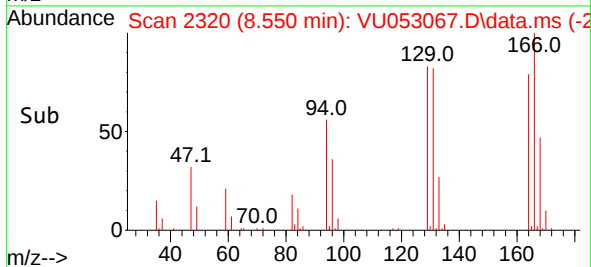
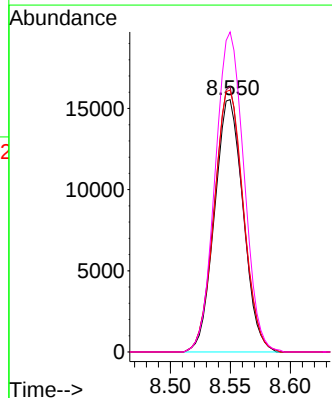
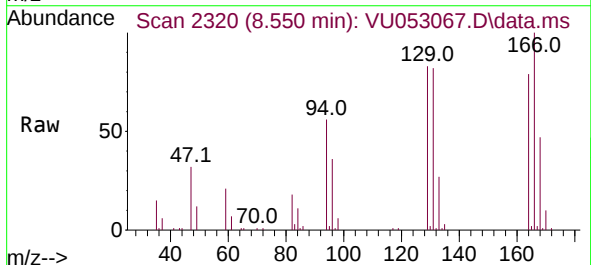
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

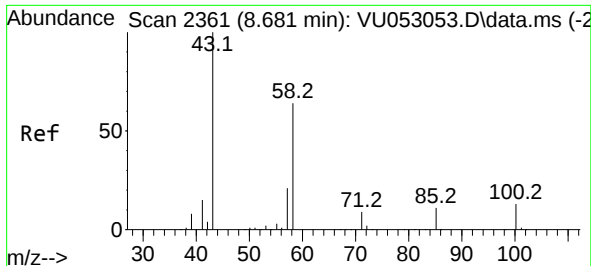
Tgt Ion: 97	Resp: 29116
Ion Ratio	Lower Upper
97 100	
99 60.0	43.0 79.8
83 86.7	58.0 107.8
85 59.0	40.9 75.9



#47
Tetrachloroethene
Concen: 4.729 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Tgt	Ion:164	Resp:	25835
Ion	Ratio	Lower	Upper
164	100		
129	105.1	71.7	133.1
131	103.8	67.8	126.0
166	126.8	86.4	160.4



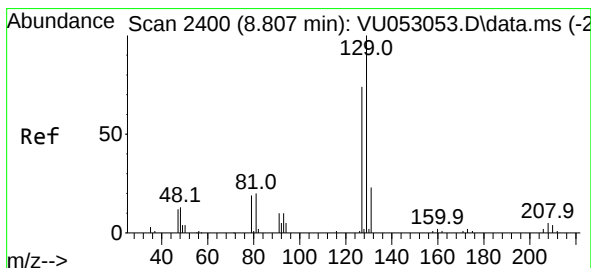
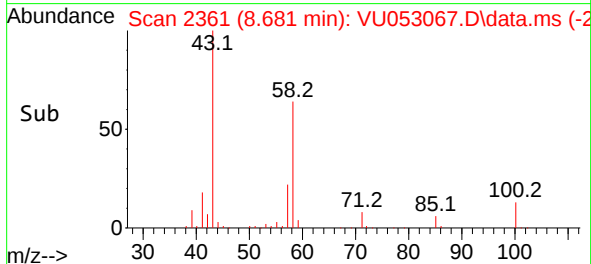
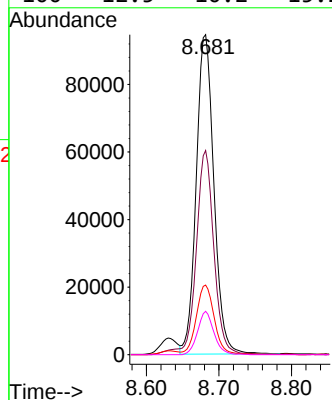
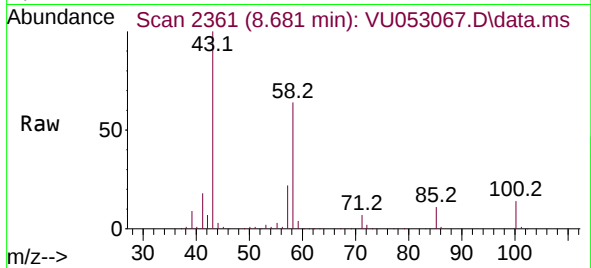


#48
2-Hexanone
Concen: 51.320 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

Tgt Ion: 43 Resp: 159918

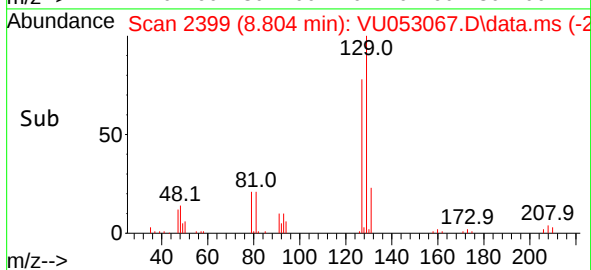
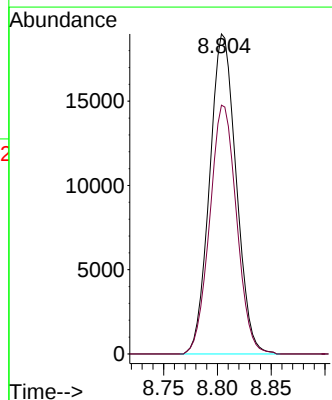
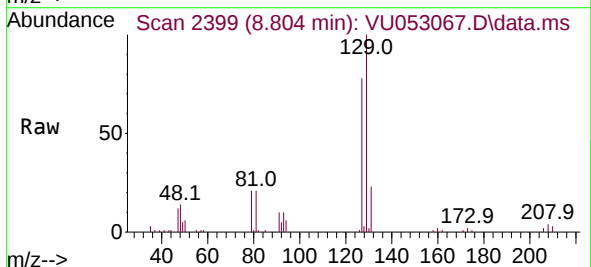
Ion	Ratio	Lower	Upper
43	100		
58	64.4	50.3	75.5
57	21.9	17.4	26.0
100	12.5	10.2	15.2

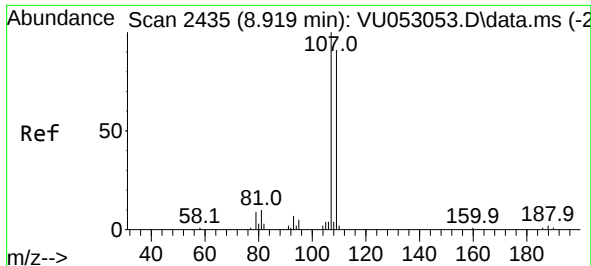


#49
Dibromochloromethane
Concen: 5.099 ug/L
RT: 8.804 min Scan# 2399
Delta R.T. -0.003 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Tgt Ion: 129 Resp: 32576

Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.9	102.1

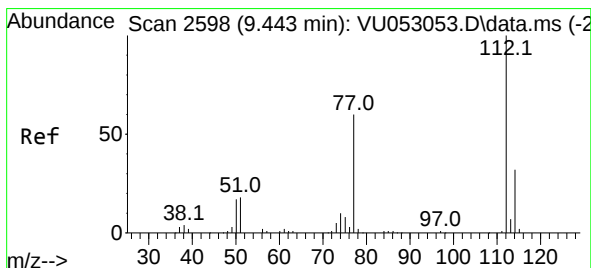
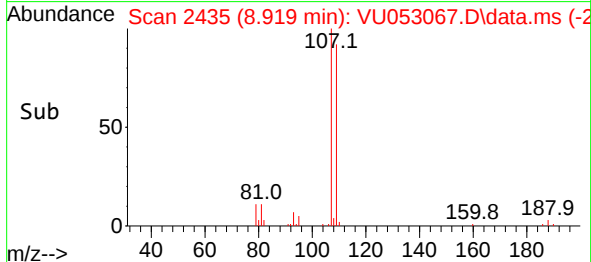
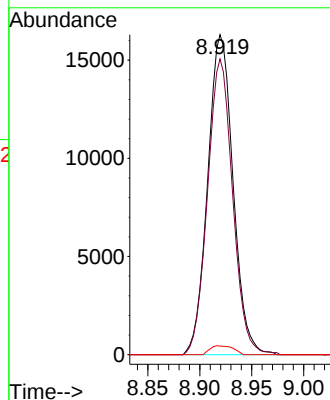
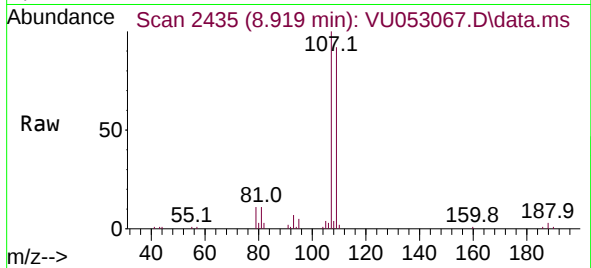




#50
1,2-Dibromoethane
Concen: 5.119 ug/L
RT: 8.919 min Scan# 2435
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

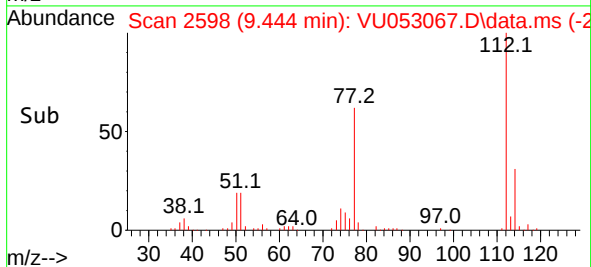
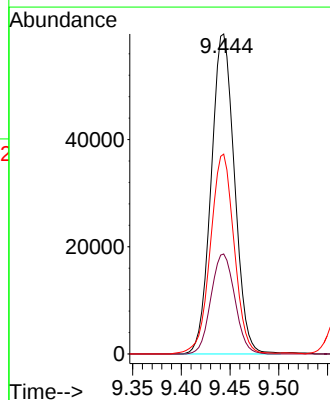
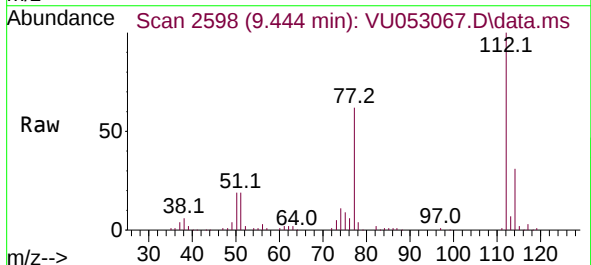
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

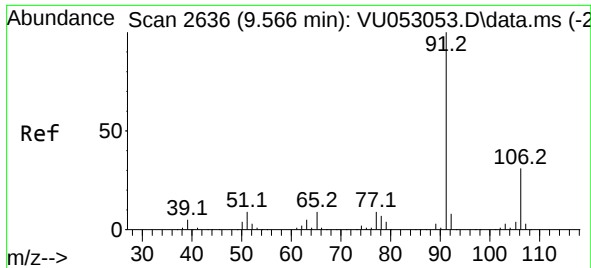
Tgt Ion:107 Resp: 27679
Ion Ratio Lower Upper
107 100
109 92.4 63.1 117.1
188 2.7 2.5 3.7



#51
Chlorobenzene
Concen: 4.913 ug/L
RT: 9.444 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Tgt Ion:112 Resp: 99437
Ion Ratio Lower Upper
112 100
114 31.3 22.3 41.3
77 62.4 48.9 73.3

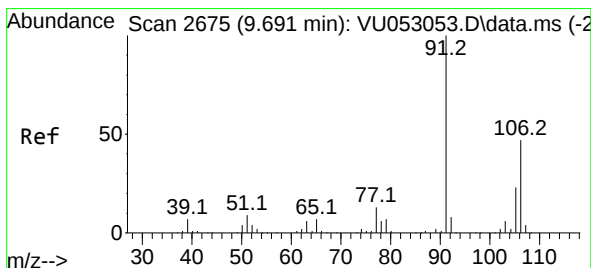
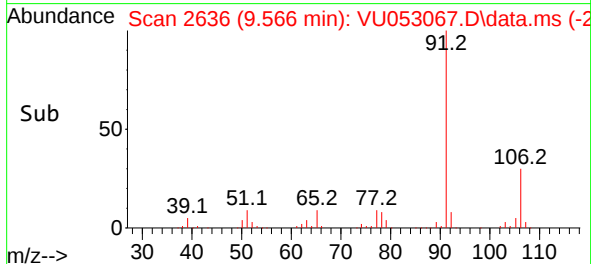
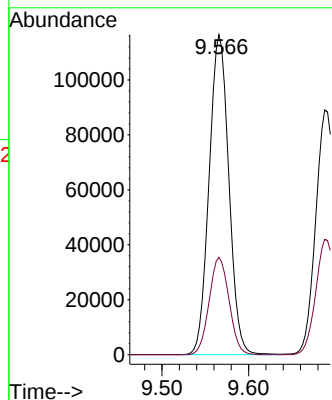
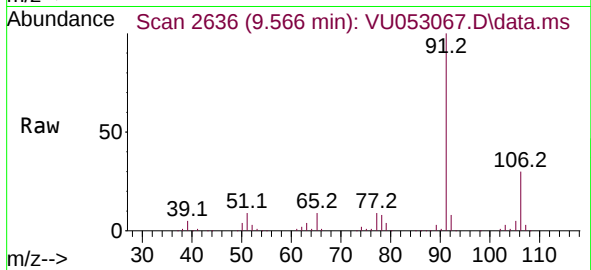




#52
Ethylbenzene
Concen: 5.005 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

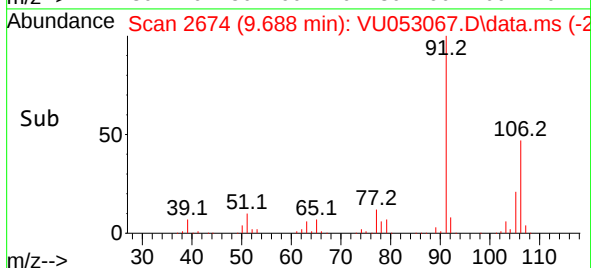
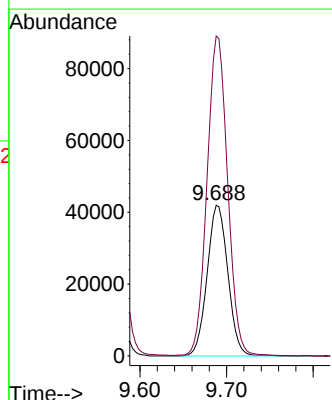
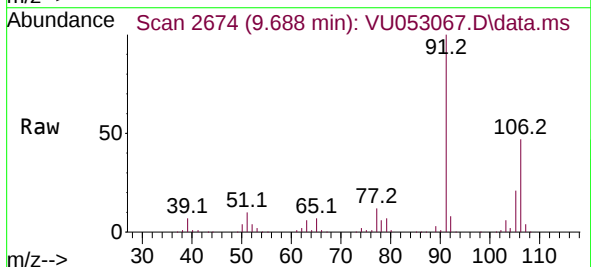
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

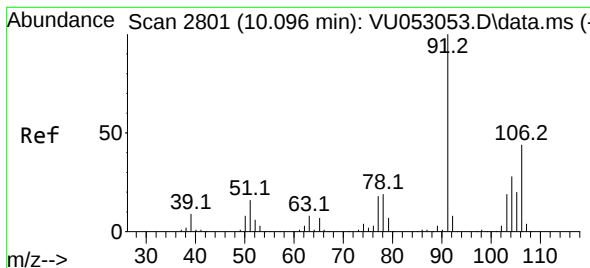
Tgt Ion: 91 Resp: 184271
Ion Ratio Lower Upper
91 100
106 30.4 21.4 39.8



#53
m,p-Xylene
Concen: 5.069 ug/L
RT: 9.688 min Scan# 2674
Delta R.T. -0.003 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Tgt Ion: 106 Resp: 69795
Ion Ratio Lower Upper
106 100
91 212.2 149.9 278.3





#54

o-Xylene

Concen: 5.094 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

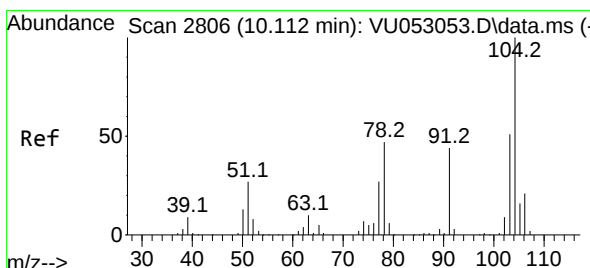
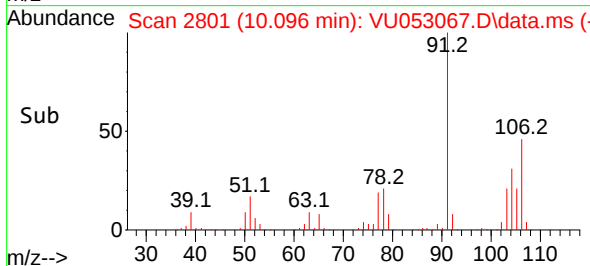
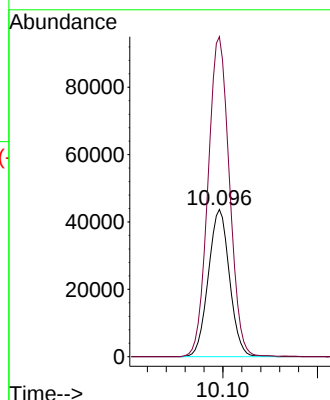
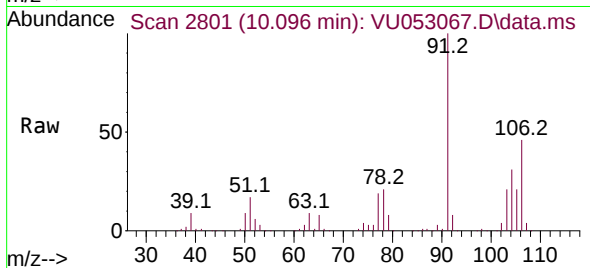
VSTD005138

Tgt Ion:106 Resp: 67987

Ion Ratio Lower Upper

106 100

91 217.4 153.6 285.2



#55

Styrene

Concen: 5.116 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. -0.003 min

Lab File: VU053067.D

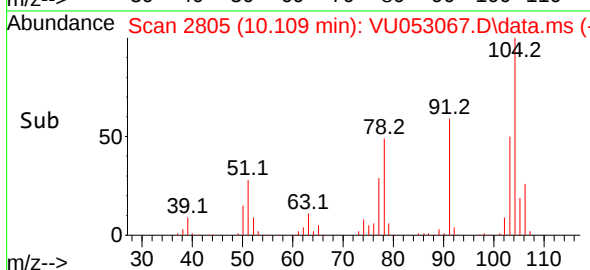
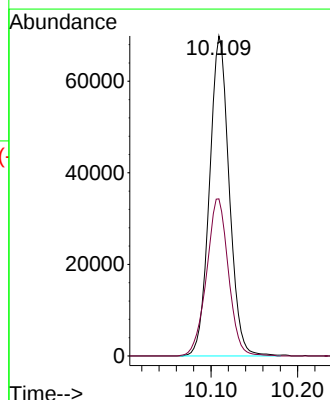
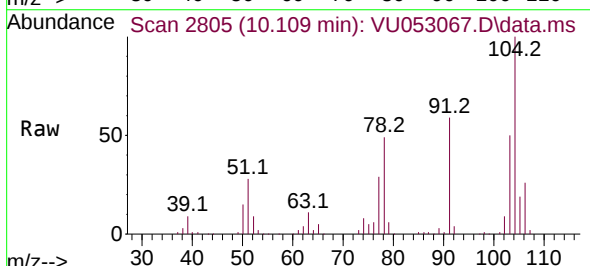
Acq: 11 Feb 2023 23:20

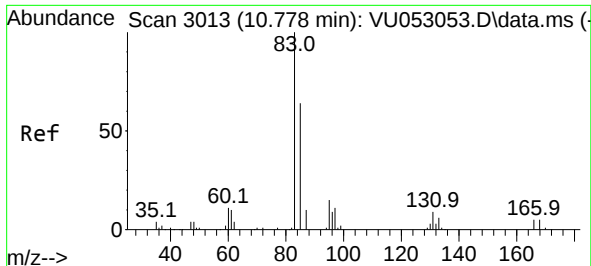
Tgt Ion:104 Resp: 110774

Ion Ratio Lower Upper

104 100

78 49.1 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.070 ug/L

RT: 10.778 min Scan# 3013

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

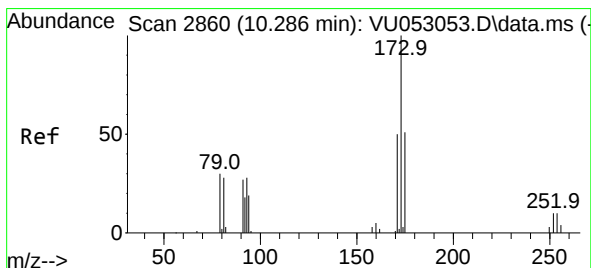
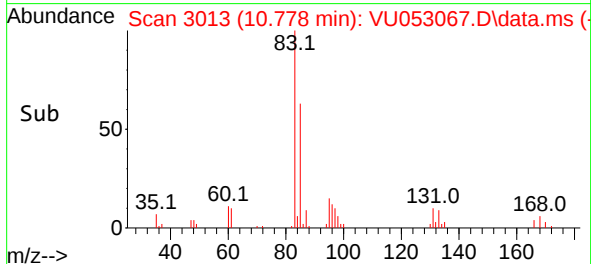
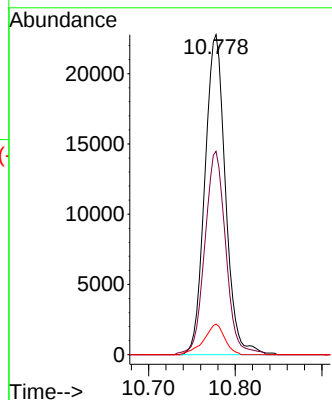
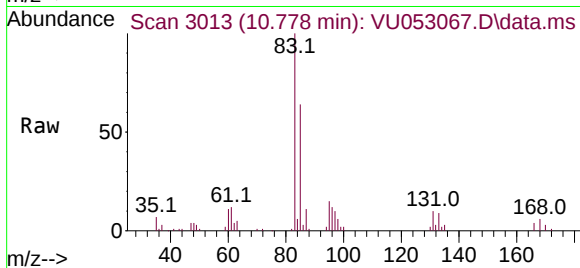
Tgt Ion: 83 Resp: 37589

Ion Ratio Lower Upper

83 100

85 63.6 44.7 82.9

131 9.5 7.8 11.6



#59

Bromoform

Concen: 5.079 ug/L

RT: 10.286 min Scan# 2860

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

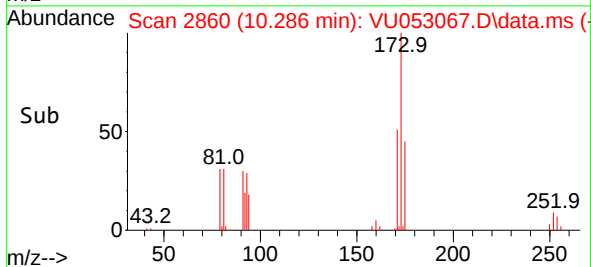
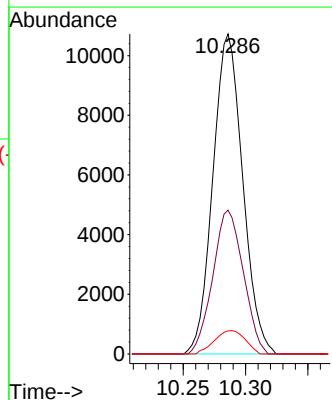
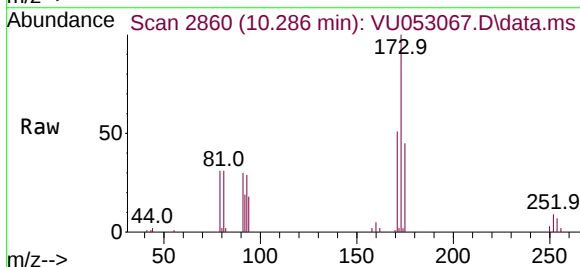
Tgt Ion: 173 Resp: 17839

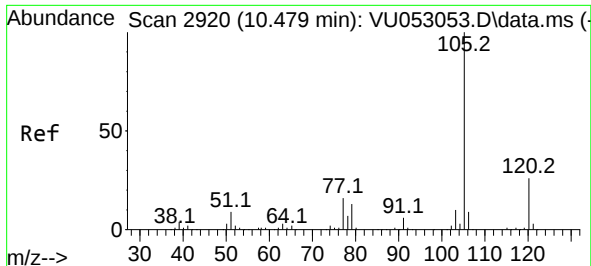
Ion Ratio Lower Upper

173 100

175 45.9 38.9 58.3

254 7.5 7.0 10.4

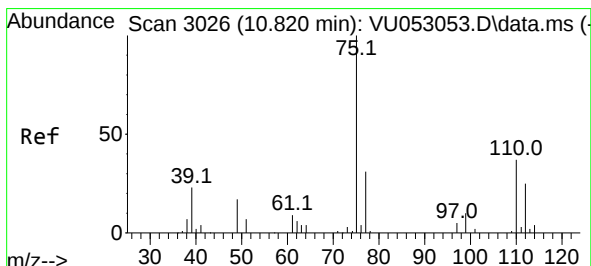
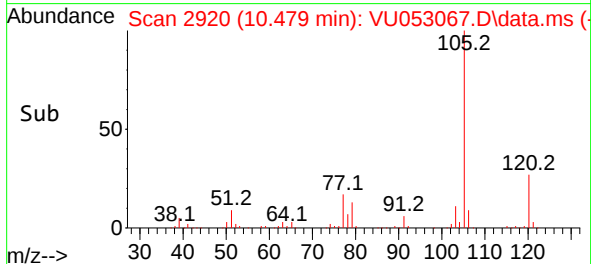
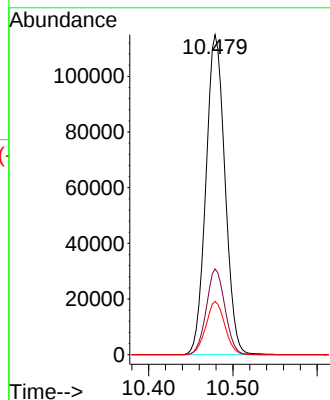
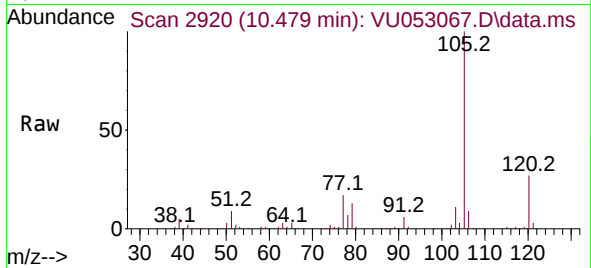




#60
Isopropylbenzene
Concen: 5.179 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

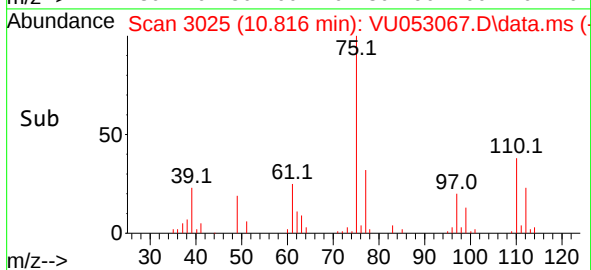
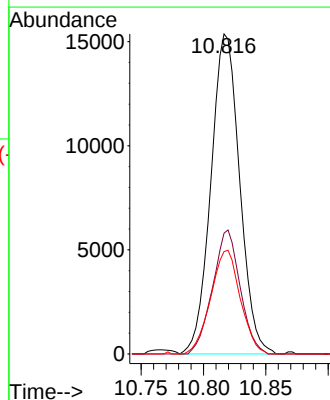
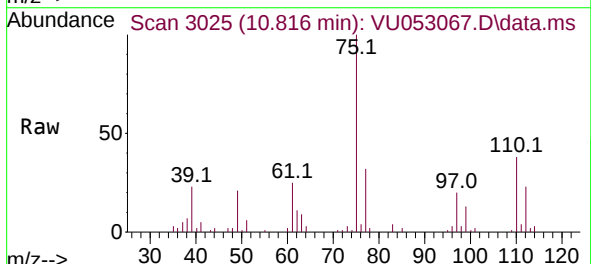
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

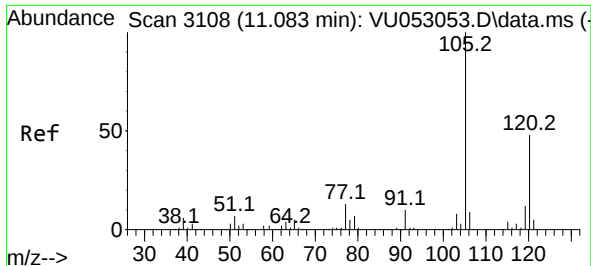
Tgt Ion:105 Resp: 181064
Ion Ratio Lower Upper
105 100
120 26.3 20.6 31.0
77 16.6 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.316 ug/L
RT: 10.816 min Scan# 3025
Delta R.T. -0.003 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Tgt Ion: 75 Resp: 24666
Ion Ratio Lower Upper
75 100
110 37.2 28.6 42.8
77 33.3 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 5.184 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

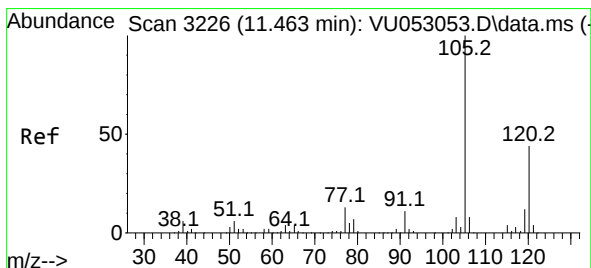
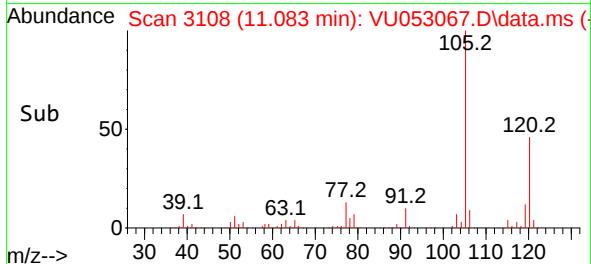
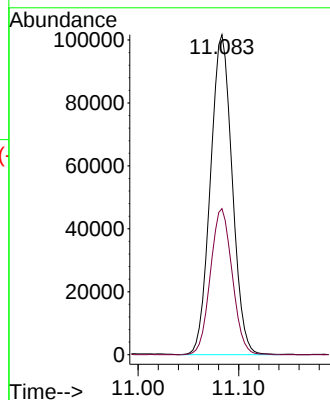
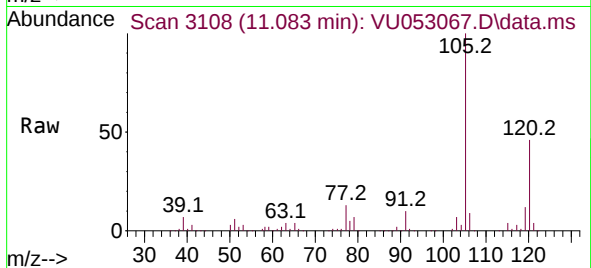
VSTD005138

Tgt Ion:105 Resp: 153063

Ion Ratio Lower Upper

105 100

120 45.6 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 5.251 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. 0.000 min

Lab File: VU053067.D

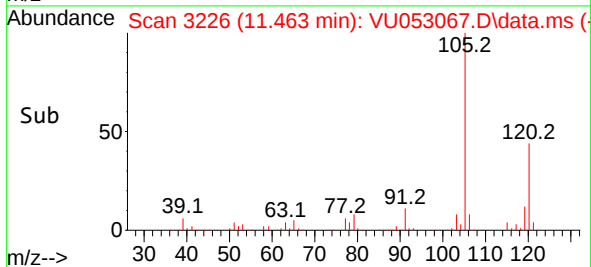
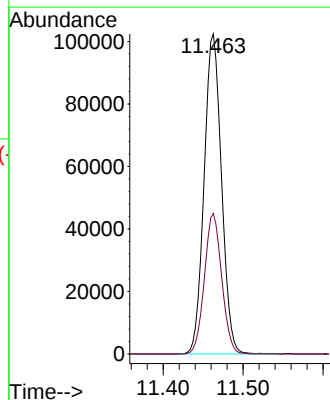
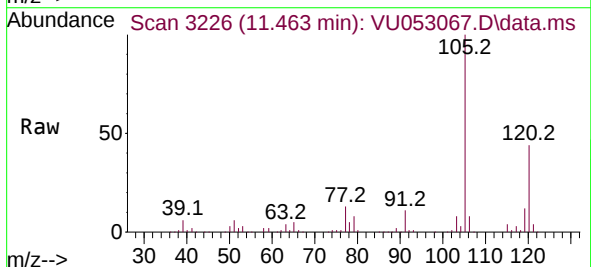
Acq: 11 Feb 2023 23:20

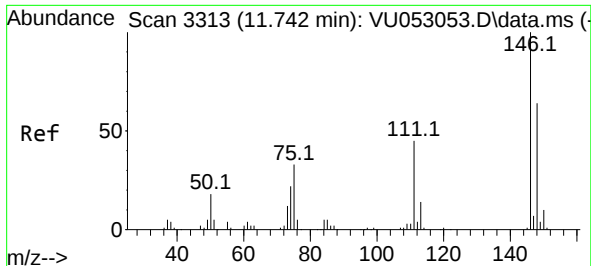
Tgt Ion:105 Resp: 155159

Ion Ratio Lower Upper

105 100

120 43.5 34.7 52.1

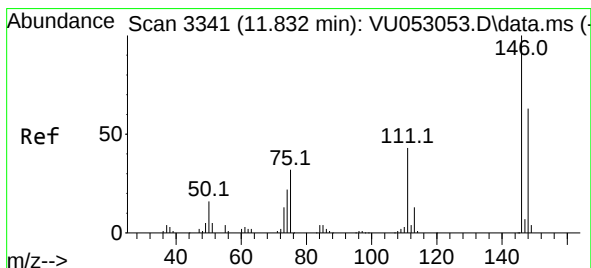
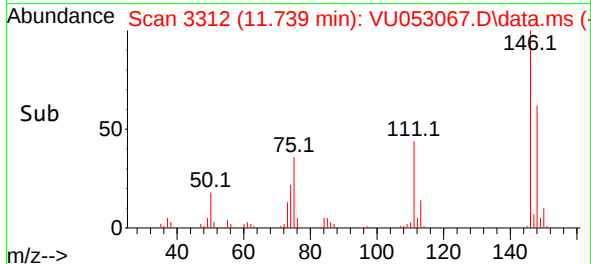
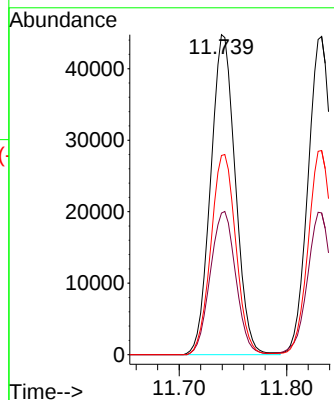
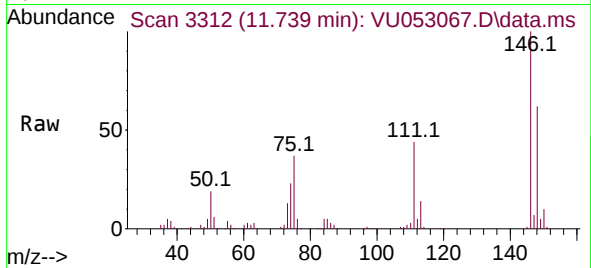




#64
1,3-Dichlorobenzene
Concen: 5.045 ug/L
RT: 11.739 min Scan# 3312
Delta R.T. -0.003 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

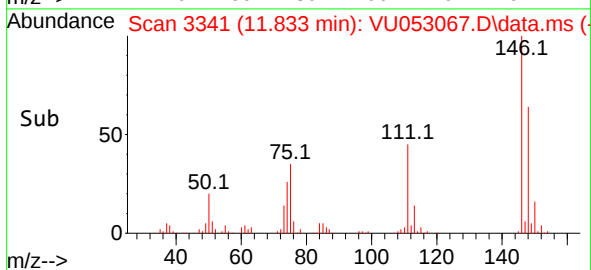
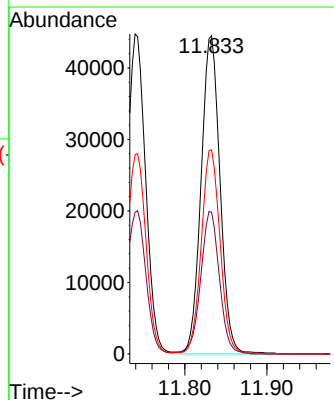
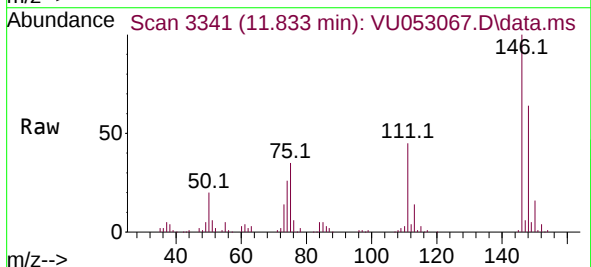
Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

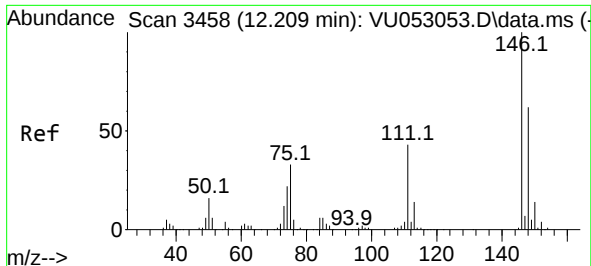
Tgt Ion:146 Resp: 71419
Ion Ratio Lower Upper
146 100
111 44.3 32.0 59.4
148 62.3 45.3 84.1



#65
1,4-Dichlorobenzene
Concen: 5.033 ug/L
RT: 11.833 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Tgt Ion:146 Resp: 71390
Ion Ratio Lower Upper
146 100
111 44.6 30.3 56.3
148 64.2 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.084 ug/L

RT: 12.205 min Scan# 34

Delta R.T. -0.003 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005138

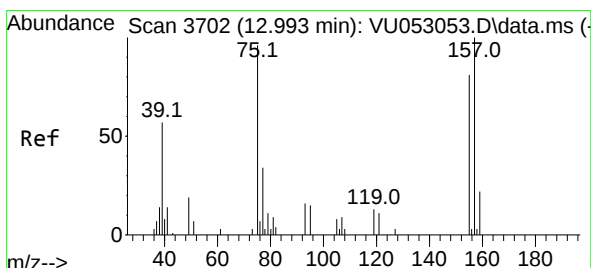
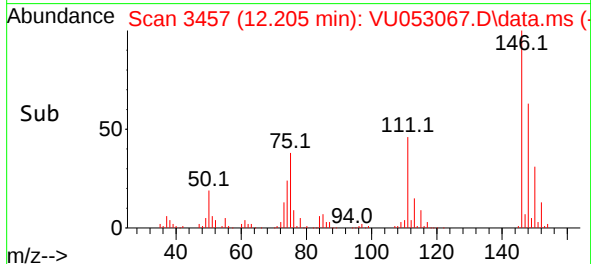
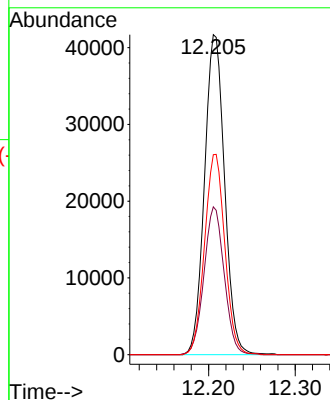
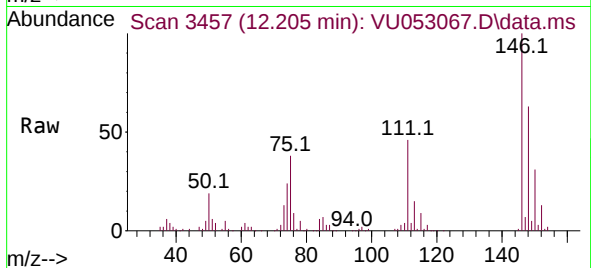
Tgt Ion:146 Resp: 67118

Ion Ratio Lower Upper

146 100

111 46.2 36.3 54.5

148 62.5 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.753 ug/L

RT: 12.993 min Scan# 3702

Delta R.T. 0.000 min

Lab File: VU053067.D

Acq: 11 Feb 2023 23:20

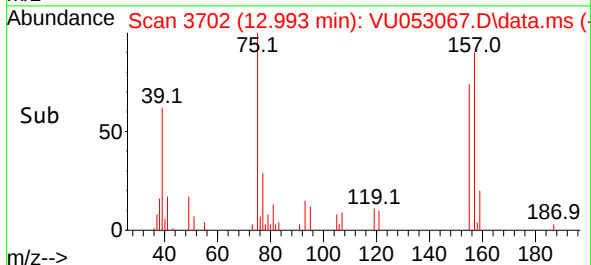
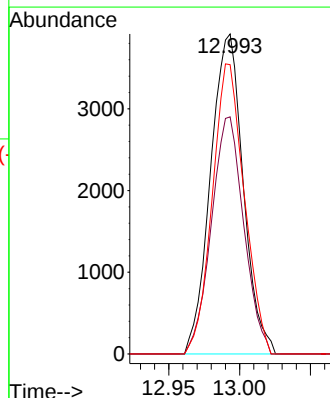
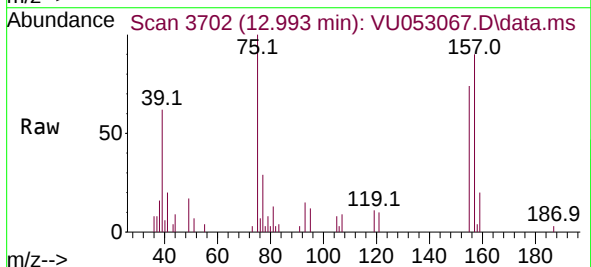
Tgt Ion: 75 Resp: 6274

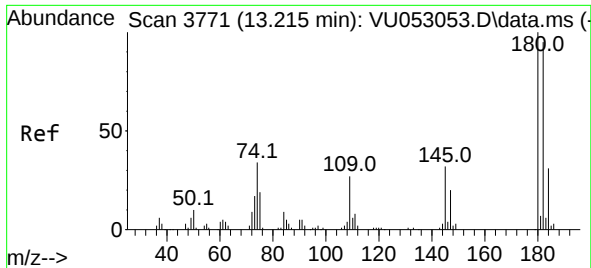
Ion Ratio Lower Upper

75 100

155 74.1 59.8 89.8

157 90.4 73.2 109.8

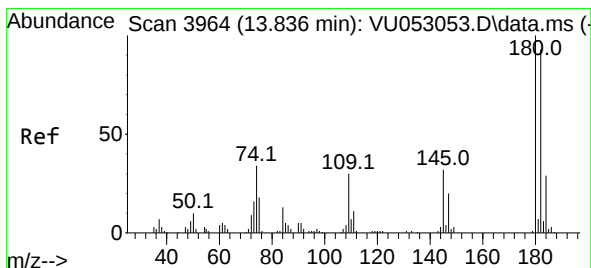
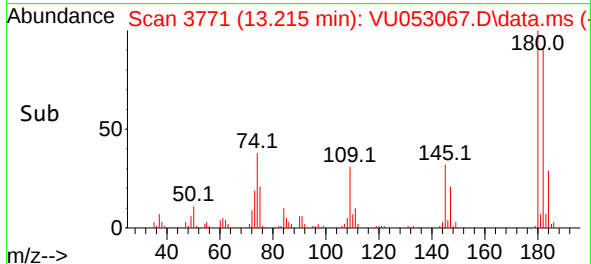
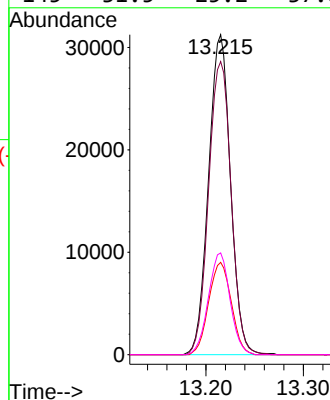
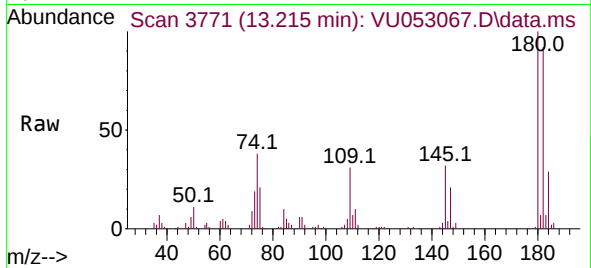




#69
 1,3,5-Trichlorobenzene
 Concen: 4.844 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. 0.000 min
 Lab File: VU053067.D
 Acq: 11 Feb 2023 23:20

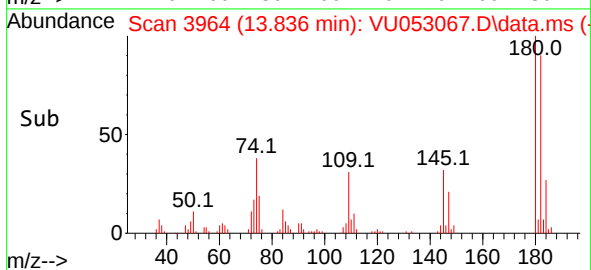
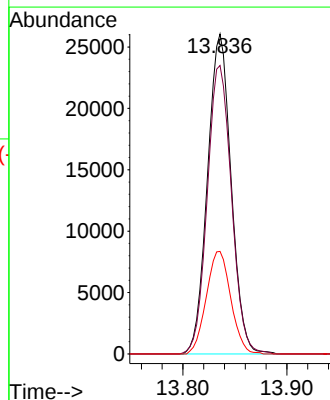
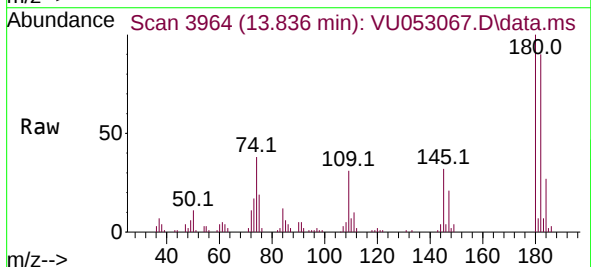
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

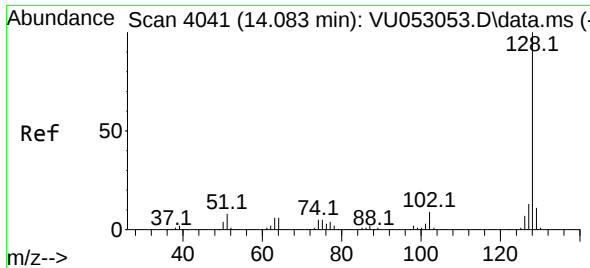
Tgt Ion:180	Resp:	48847
Ion	Ratio	Lower Upper
180	100	
182	94.0	75.4 113.0
184	29.8	23.8 35.6
145	31.5	25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.914 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VU053067.D
 Acq: 11 Feb 2023 23:20

Tgt Ion:180	Resp:	41138
Ion	Ratio	Lower Upper
180	100	
182	92.3	74.9 112.3
145	33.1	25.1 37.7

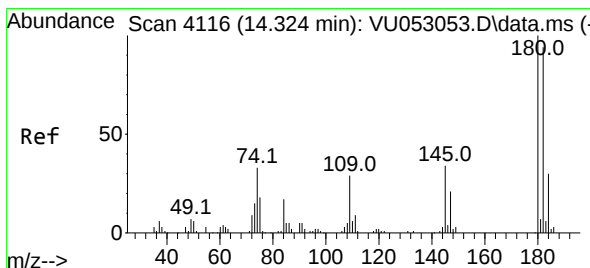
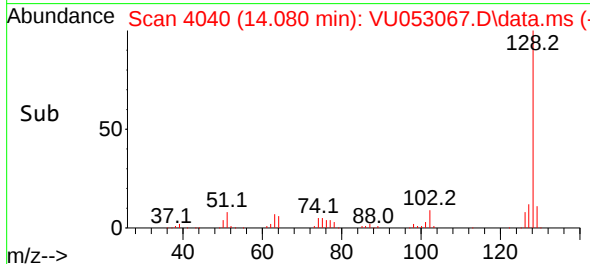
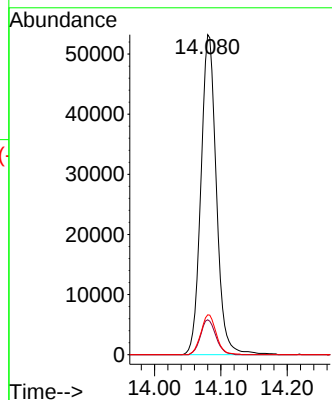
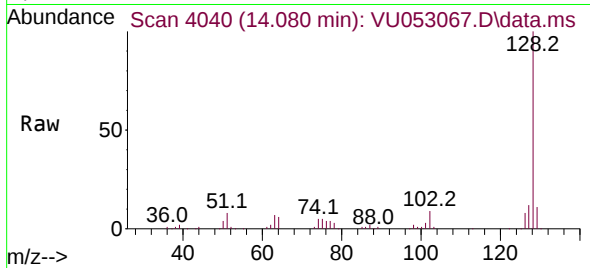




#71
Naphthalene
Concen: 5.149 ug/L
RT: 14.080 min Scan# 4041
Delta R.T. -0.003 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD005138

Tgt Ion:128 Resp: 86461
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.4 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.999 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. 0.000 min
Lab File: VU053067.D
Acq: 11 Feb 2023 23:20

Tgt Ion:180 Resp: 36939
Ion Ratio Lower Upper
180 100
182 95.6 76.2 114.4
145 34.5 28.2 42.2

