

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041323\
 Data File : VU053678.D
 Acq On : 13 Apr 2023 10:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050198

Quant Time: Apr 14 01:50:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 13 01:39:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	247045	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	231593	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	126386	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	89530	46.542	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.080%
7) Chloroethane-d5	1.909	69	72743	49.045	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.100%
11) 1,1-Dichloroethene-d2	2.565	63	138717	46.585	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.160%
21) 2-Butanone-d5	4.614	46	96833	111.182	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.180%
24) Chloroform-d	5.057	84	151377	47.582	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.160%
26) 1,2-Dichloroethane-d4	5.697	65	93588	49.784	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.560%
32) Benzene-d6	5.723	84	302402	48.374	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.740%
36) 1,2-Dichloropropane-d6	6.684	67	92664	48.496	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.000%
41) Toluene-d8	7.893	98	290597	46.770	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.540%
43) trans-1,3-Dichloroprop...	8.176	79	47173	47.828	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.660%
47) 2-Hexanone-d5	8.626	63	75892	116.379	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.380%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	139367	51.750	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.500%
66) 1,2-Dichlorobenzene-d4	12.189	152	114777	43.507	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	91063	45.415	ug/L	98
3) Chloromethane	1.520	50	88538	53.737	ug/L	98
5) Vinyl chloride	1.601	62	104565	54.761	ug/L	98
6) Bromomethane	1.848	94	67700	48.727	ug/L	98
8) Chloroethane	1.929	64	64291	55.981	ug/L	99
9) Trichlorofluoromethane	2.135	101	150078	51.100	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	83846	49.294	ug/L	92
12) 1,1-Dichloroethene	2.575	96	71664	47.275	ug/L	93
13) Acetone	2.617	43	85663	109.443	ug/L	96
14) Carbon disulfide	2.790	76	185296	46.209	ug/L	98
15) Methyl Acetate	2.942	43	67480	56.286	ug/L	94
16) Methylene chloride	3.041	84	82492	48.415	ug/L	100
17) trans-1,2-Dichloroethene	3.347	96	72033	47.282	ug/L	94
18) Methyl tert-butyl Ether	3.356	73	225459	50.773	ug/L	99
19) 1,1-Dichloroethane	3.864	63	133732	52.992	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	84288	47.900	ug/L	87
22) 2-Butanone	4.691	43	107804	113.687	ug/L	96
23) Bromochloromethane	4.967	128	44872	45.780	ug/L	90
25) Chloroform	5.083	83	150462	51.982	ug/L	100

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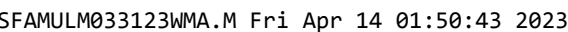
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050198

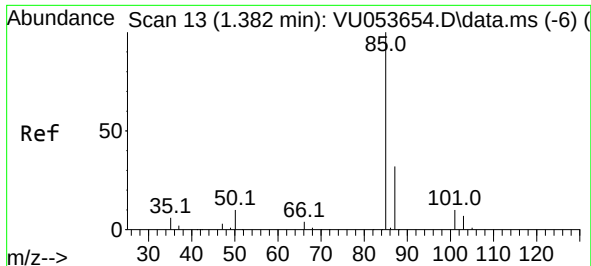
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 Quant Title : VOC Analysis
 QLast Update : Thu Apr 13 01:39:36 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	111263	52.488	ug/L	98
29) Cyclohexane	5.382	56	114897	51.534	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	126192	49.451	ug/L	97
31) Carbon tetrachloride	5.520	117	109266	47.791	ug/L	98
33) Benzene	5.768	78	314869	52.182	ug/L	100
34) Trichloroethene	6.536	95	87472	47.930	ug/L	94
35) Methylcyclohexane	6.758	83	138722	51.712	ug/L	97
37) 1,2-Dichloropropane	6.787	63	84247	54.987	ug/L	98
38) Bromodichloromethane	7.099	83	105894	51.809	ug/L	98
39) cis-1,3-Dichloropropene	7.601	75	128501	51.324	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	193409	116.164	ug/L	99
42) Toluene	7.964	91	342146	50.036	ug/L	97
44) trans-1,3-Dichloropropene	8.205	75	126471	53.433	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	84741	50.376	ug/L	96
46) Tetrachloroethene	8.549	164	65360	43.158	ug/L	94
48) 2-Hexanone	8.678	43	155319	115.323	ug/L	97
49) Dibromochloromethane	8.806	129	81794	46.763	ug/L	99
50) 1,2-Dibromoethane	8.919	107	92088	48.931	ug/L	100
51) Chlorobenzene	9.443	112	227277	48.240	ug/L	96
52) Ethylbenzene	9.565	91	377467	49.588	ug/L	98
53) m,p-Xylene	9.690	106	148254	49.799	ug/L	98
54) o-Xylene	10.096	106	145810	49.538	ug/L	95
55) Styrene	10.112	104	242363	50.553	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	139096	56.319	ug/L	93
59) Bromoform	10.285	173	59695	46.145	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	106693	58.221	ug/L	98
61) Isopropylbenzene	10.481	105	386556	51.732	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	318350	51.251	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	318694	51.801	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	184329	47.210	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	186330	46.824	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	179541	46.138	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.993	75	27960	57.232	ug/L	86
69) 1,3,5-Trichlorobenzene	13.214	180	128017	44.276	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	112291	41.889	ug/L	97
71) Naphthalene	14.083	128	377149	47.004	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	116423	43.482	ug/L	98

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

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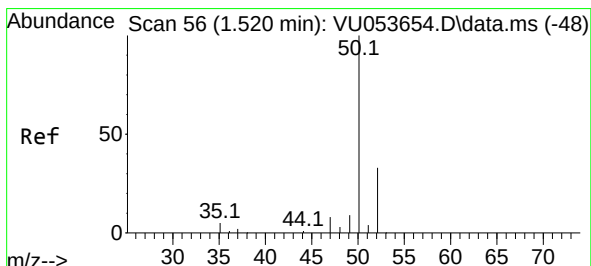
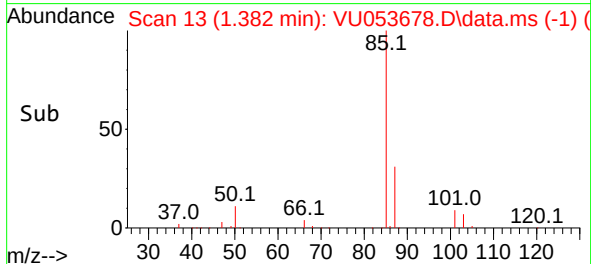
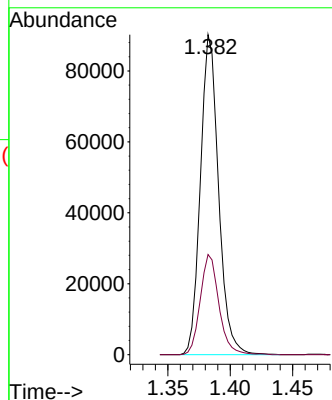
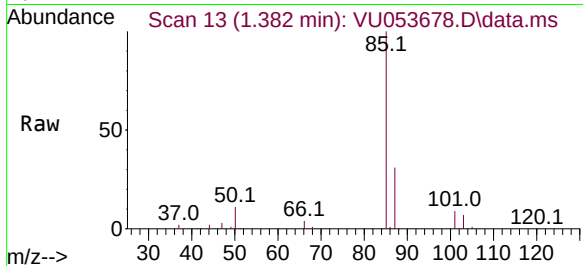




#2
Dichlorodifluoromethane
Concen: 45.415 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

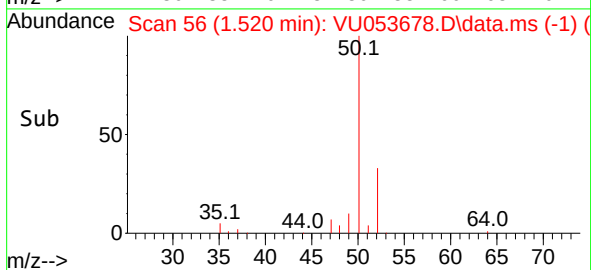
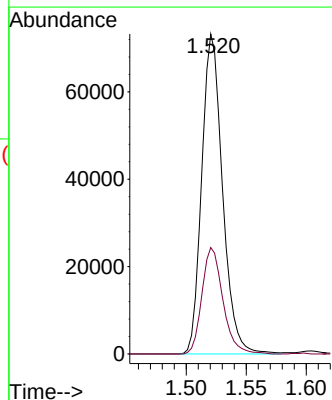
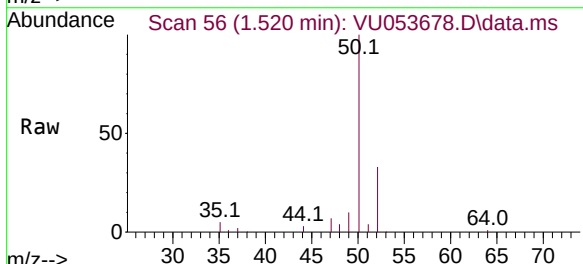
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

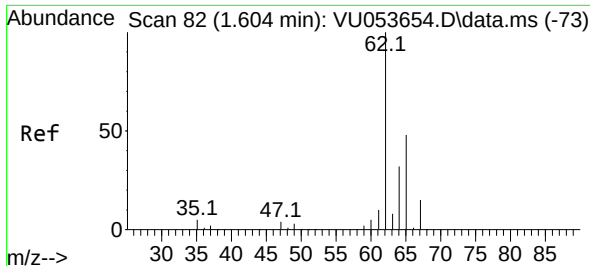
Tgt Ion: 85 Resp: 91063
Ion Ratio Lower Upper
85 100
87 32.0 26.4 39.6



#3
Chloromethane
Concen: 53.737 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion: 50 Resp: 88538
Ion Ratio Lower Upper
50 100
52 33.2 22.7 42.1

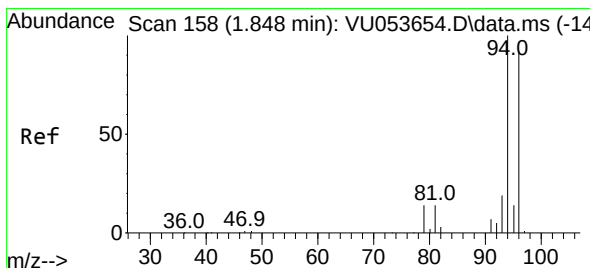
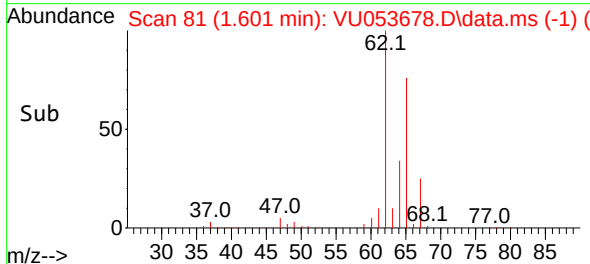
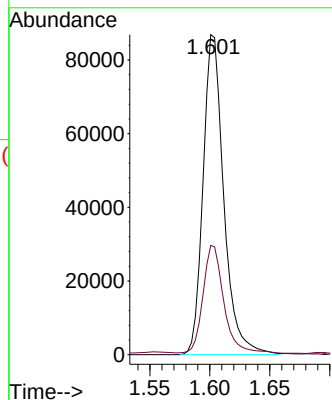
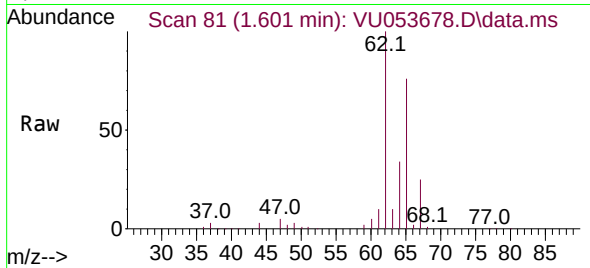




#5
 Vinyl chloride
 Concen: 54.761 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU053678.D
 Acq: 13 Apr 2023 10:49

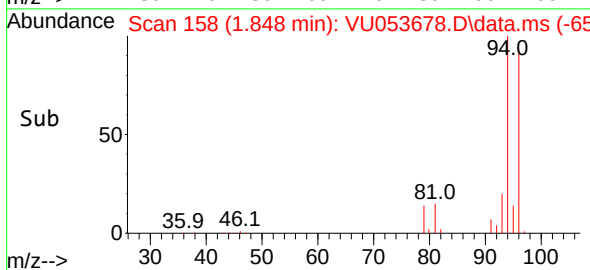
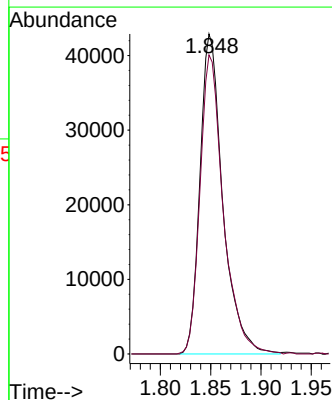
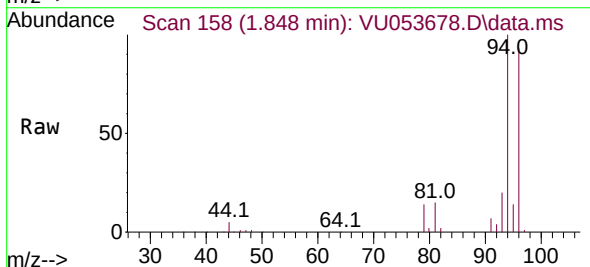
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 ClientSampleId :
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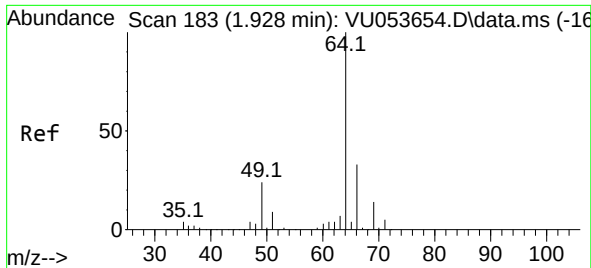
Tgt Ion: 62 Resp: 104565
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.2 43.0



#6
 Bromomethane
 Concen: 48.727 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VU053678.D
 Acq: 13 Apr 2023 10:49

Tgt Ion: 94 Resp: 67700
 Ion Ratio Lower Upper
 94 100
 96 93.4 64.4 119.6

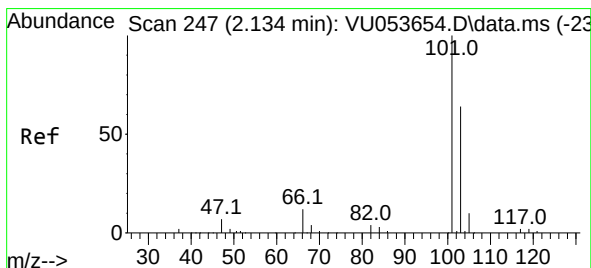
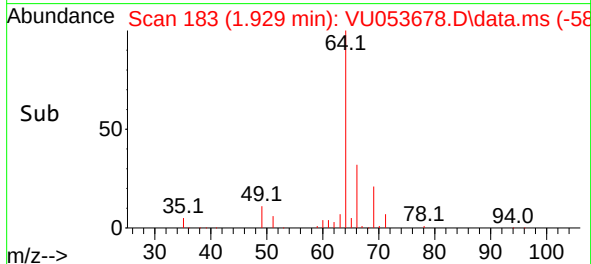
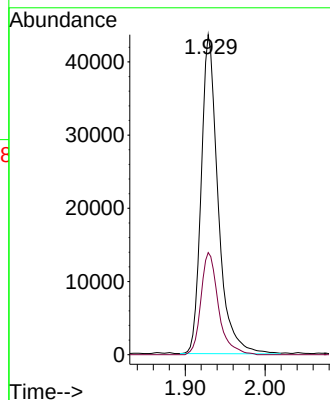
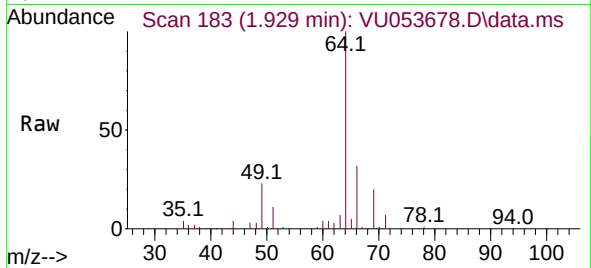




#8
Chloroethane
Concen: 55.981 ug/L
RT: 1.929 min Scan# 183
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

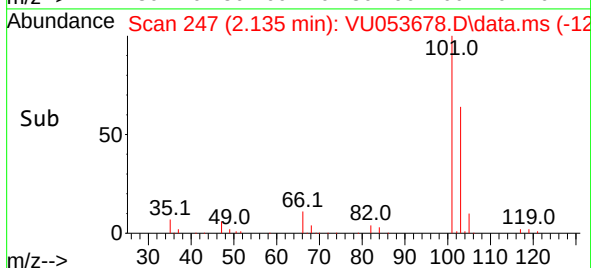
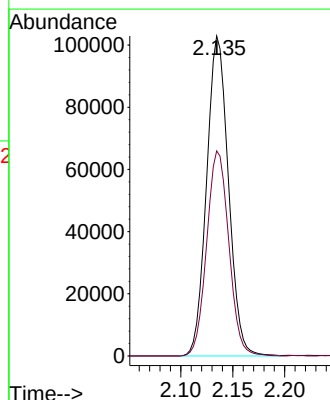
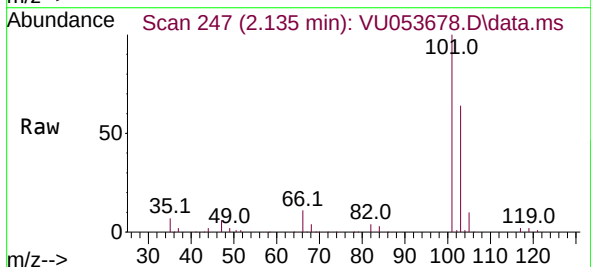
Instrument :
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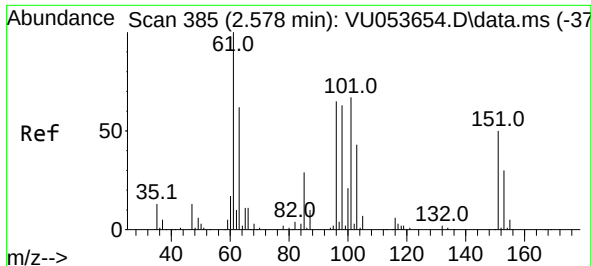
Tgt Ion: 64 Resp: 64291
Ion Ratio Lower Upper
64 100
66 31.9 21.8 40.6



#9
Trichlorofluoromethane
Concen: 51.100 ug/L
RT: 2.135 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion: 101 Resp: 150078
Ion Ratio Lower Upper
101 100
103 65.0 52.5 78.7

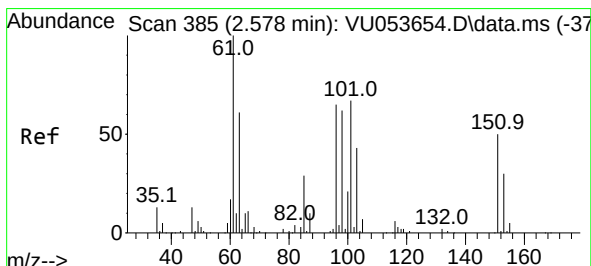
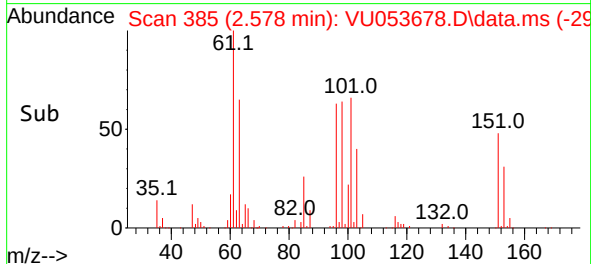
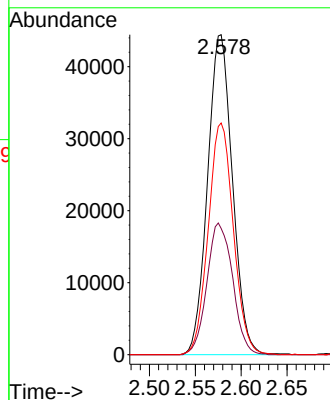
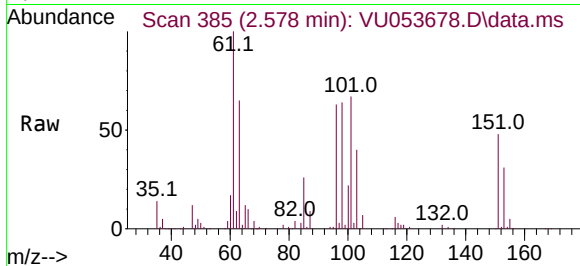




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.294 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053678.D
 Acq: 13 Apr 2023 10:49

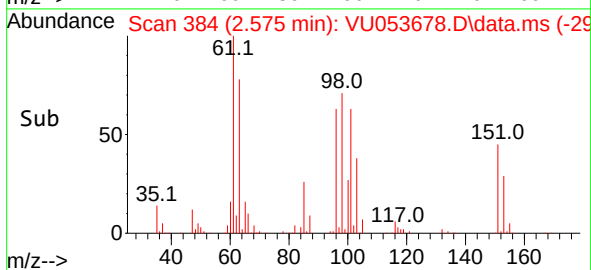
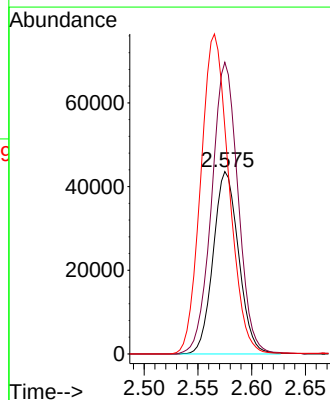
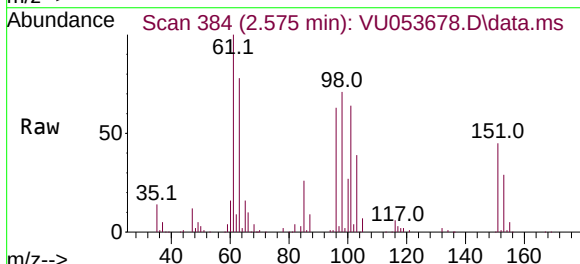
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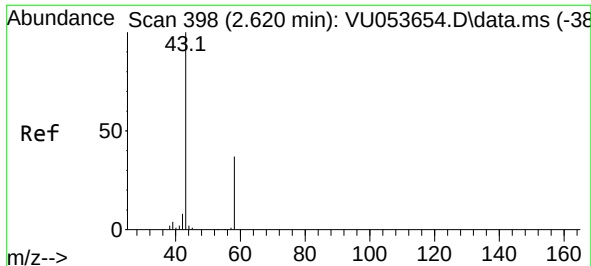
Tgt Ion:101 Resp: 83846
 Ion Ratio Lower Upper
 101 100
 85 42.5 32.6 48.8
 151 73.2 65.8 98.6



#12
 1,1-Dichloroethene
 Concen: 47.275 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053678.D
 Acq: 13 Apr 2023 10:49

Tgt Ion: 96 Resp: 71664
 Ion Ratio Lower Upper
 96 100
 61 159.9 107.9 200.5
 63 124.3 79.1 146.9





#13

Acetone

Concen: 109.443 ug/L

RT: 2.617 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

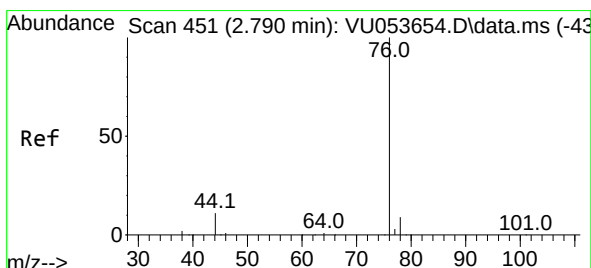
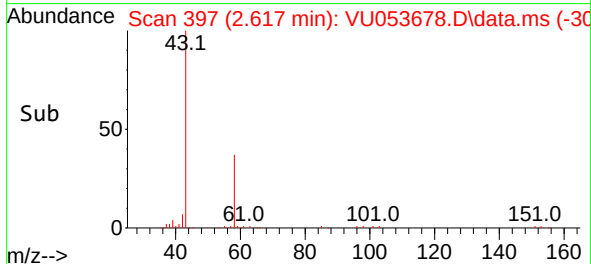
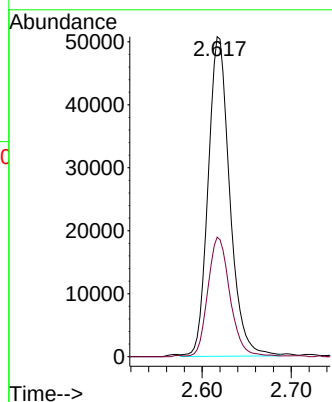
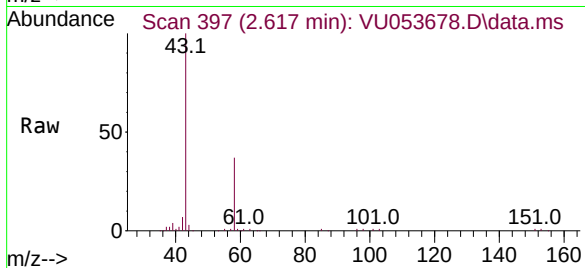
VSTD050198

Tgt Ion: 43 Resp: 85663

Ion Ratio Lower Upper

43 100

58 37.6 0.0 70.2



#14

Carbon disulfide

Concen: 46.209 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053678.D

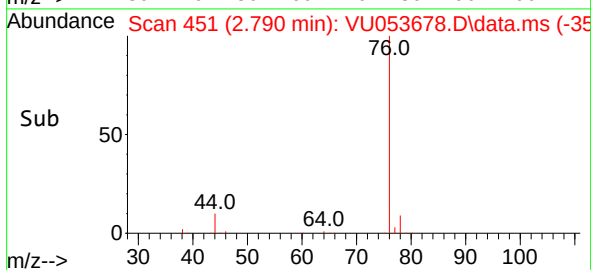
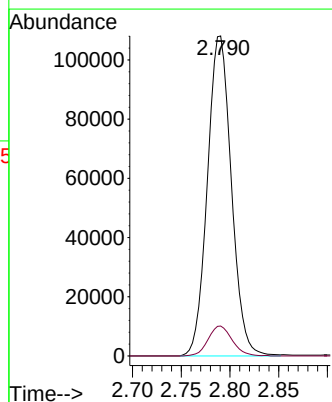
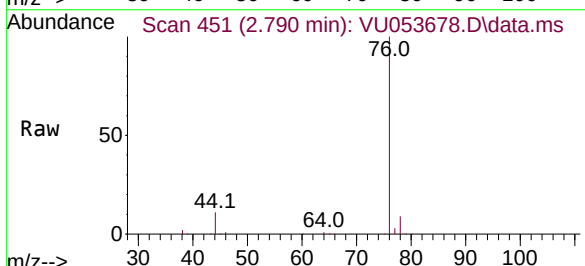
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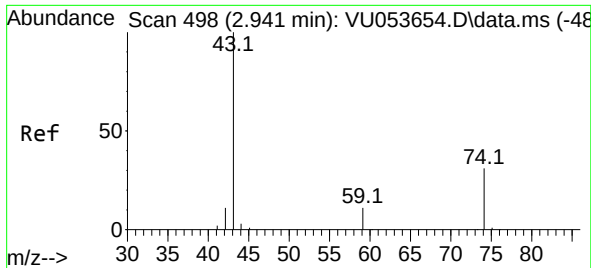
Tgt Ion: 76 Resp: 185296

Ion Ratio Lower Upper

76 100

78 9.4 8.2 12.2

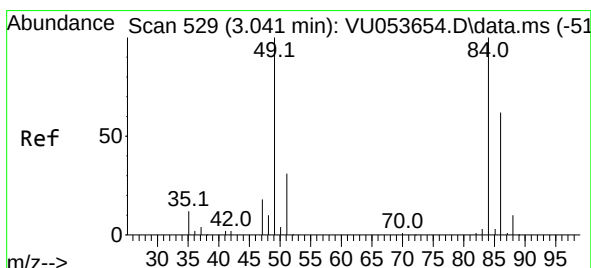
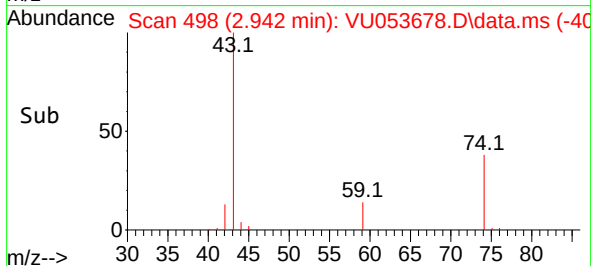
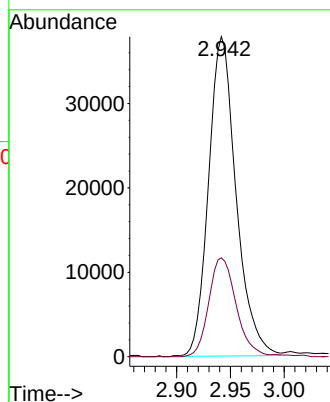
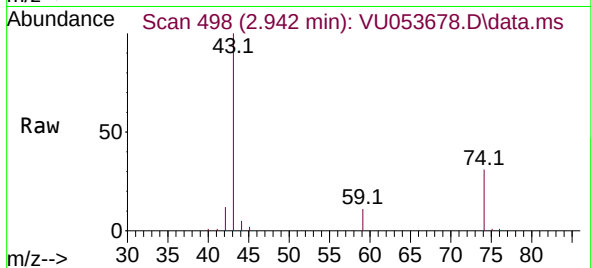




#15
Methyl Acetate
Concen: 56.286 ug/L
RT: 2.942 min Scan# 498
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

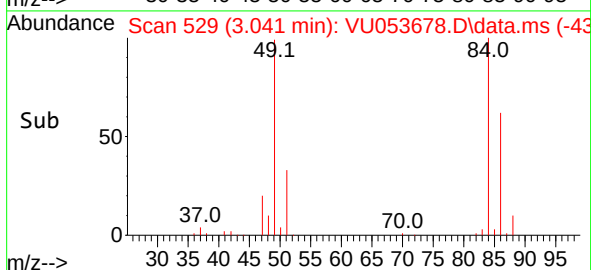
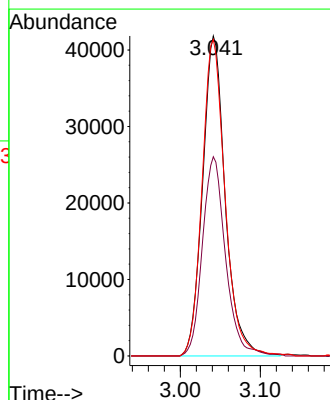
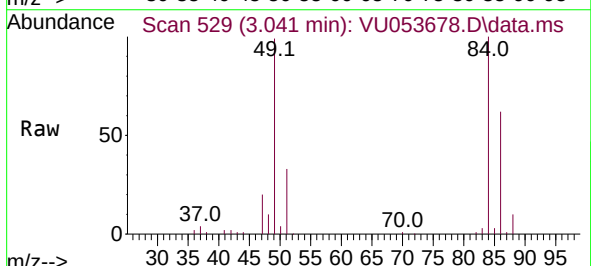
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

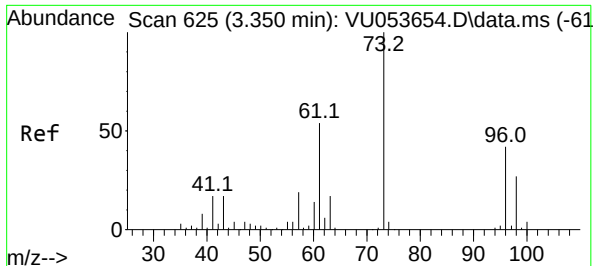
Tgt Ion: 43 Resp: 67480
Ion Ratio Lower Upper
43 100
74 30.7 22.0 33.0



#16
Methylene chloride
Concen: 48.415 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion: 84 Resp: 82492
Ion Ratio Lower Upper
84 100
86 62.2 43.5 80.9
49 98.9 69.7 129.5





#17

trans-1,2-Dichloroethene

Concen: 47.282 ug/L

RT: 3.347 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050198

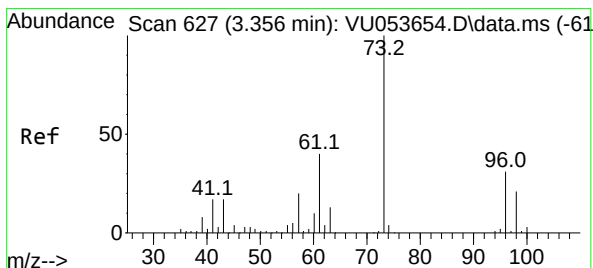
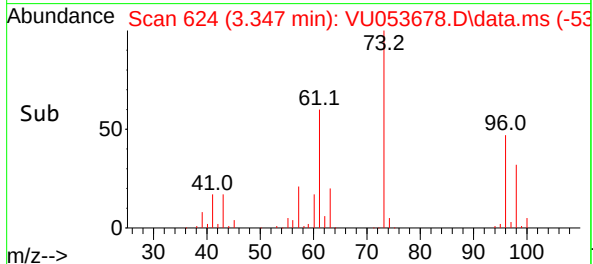
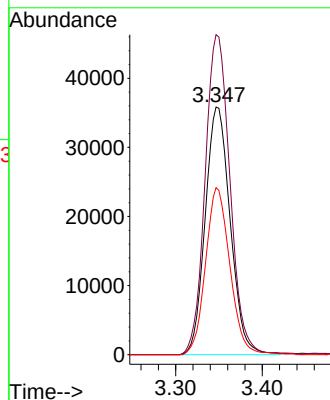
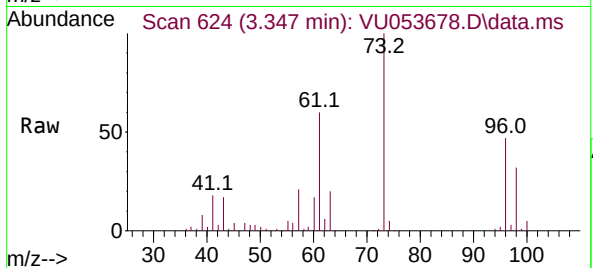
Tgt Ion: 96 Resp: 72033

Ion Ratio Lower Upper

96 100

61 129.2 84.4 156.8

98 67.4 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 50.773 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

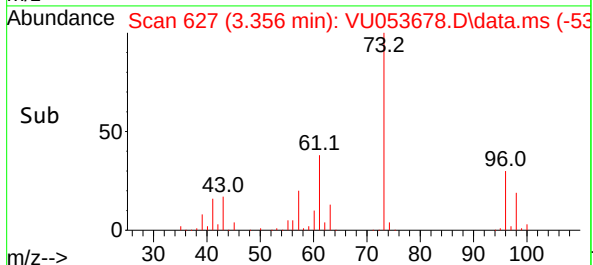
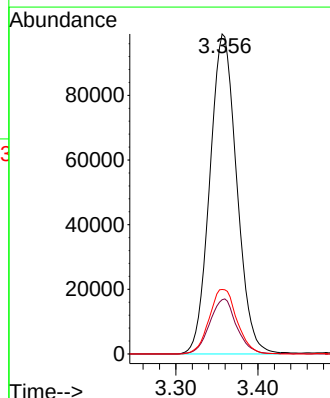
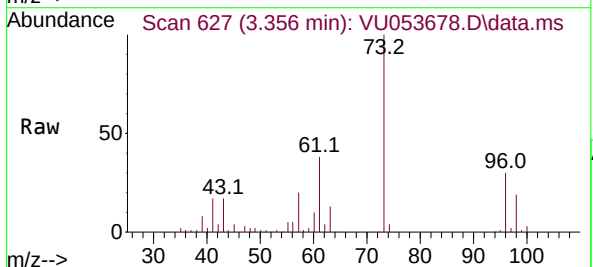
Tgt Ion: 73 Resp: 225459

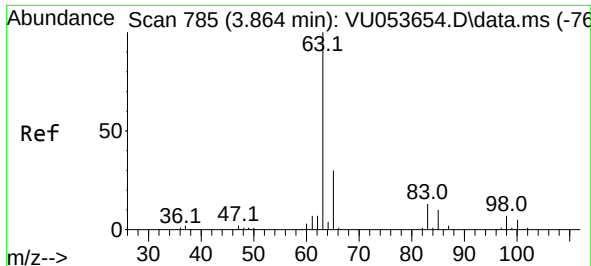
Ion Ratio Lower Upper

73 100

43 17.2 13.8 20.8

57 20.8 15.9 23.9

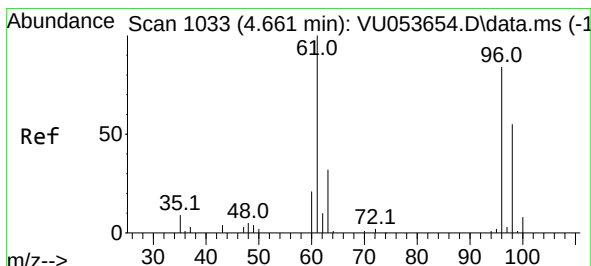
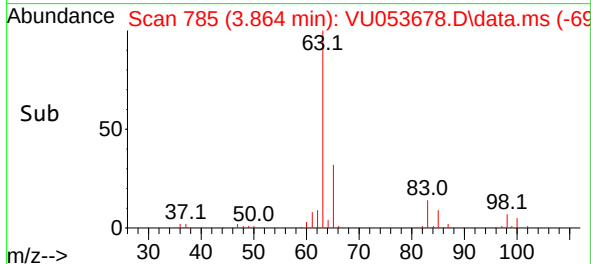
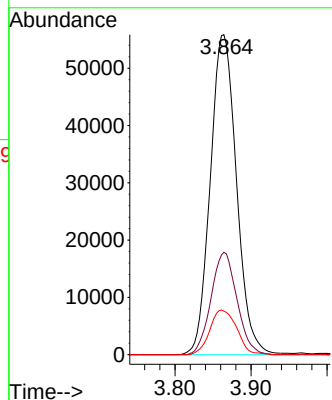
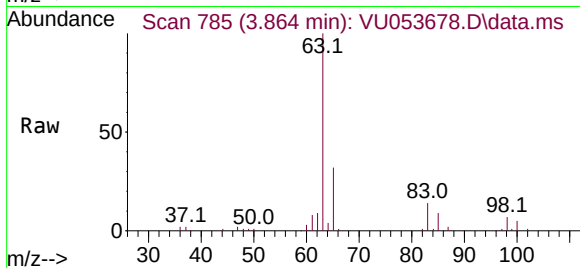




#19
1,1-Dichloroethane
Concen: 52.992 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

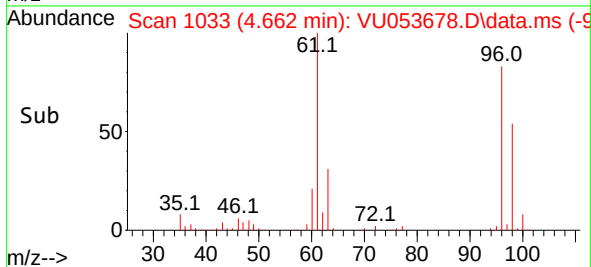
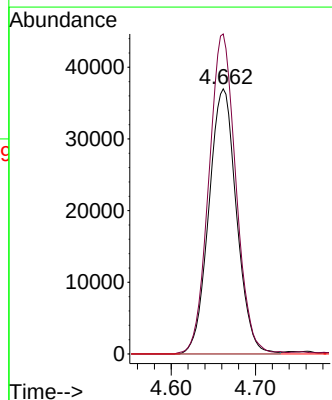
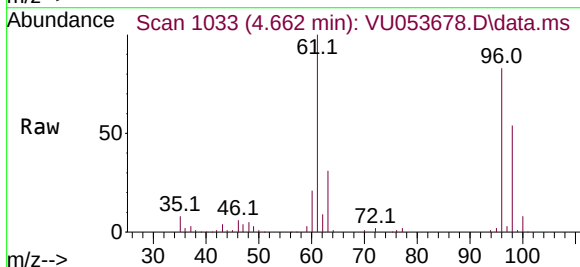
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

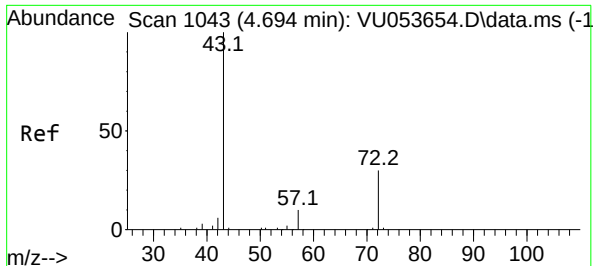
Tgt Ion: 63 Resp: 133732
Ion Ratio Lower Upper
63 100
65 32.0 22.0 41.0
83 13.6 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 47.900 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion: 96 Resp: 84288
Ion Ratio Lower Upper
96 100
61 120.7 74.7 138.7
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 113.687 ug/L

RT: 4.691 min Scan# 110

Delta R.T. -0.003 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

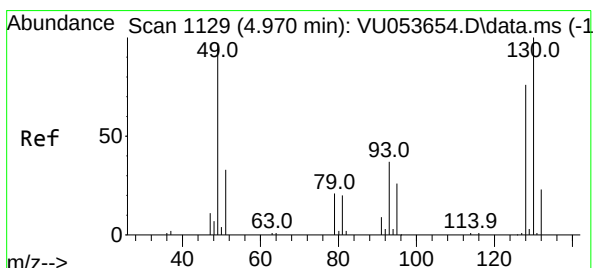
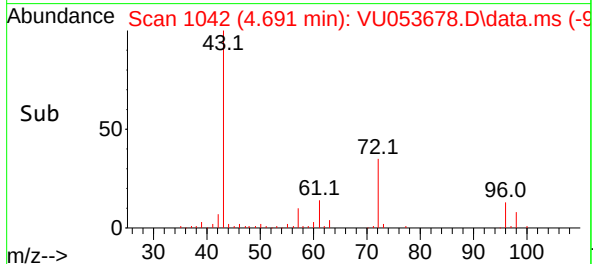
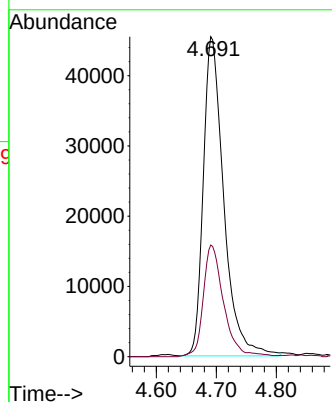
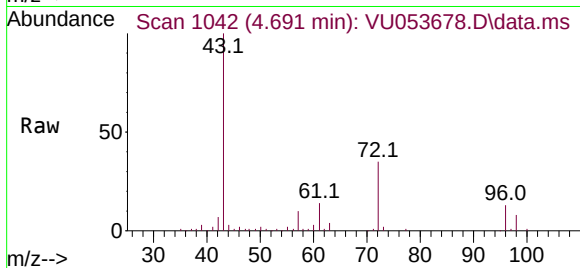
VSTD050198

Tgt Ion: 43 Resp: 107804

Ion Ratio Lower Upper

43 100

72 33.8 15.8 47.3



#23

Bromochloromethane

Concen: 45.780 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

Tgt Ion:128 Resp: 44872

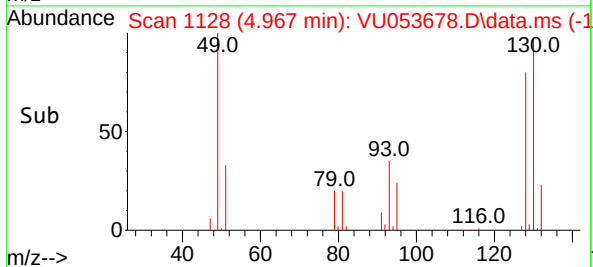
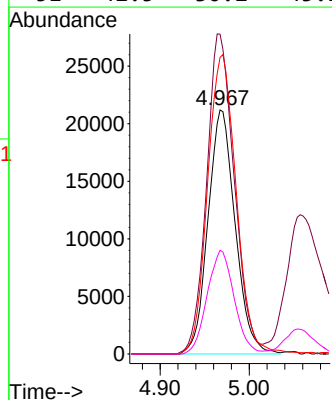
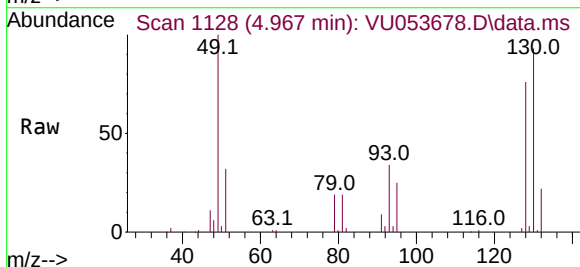
Ion Ratio Lower Upper

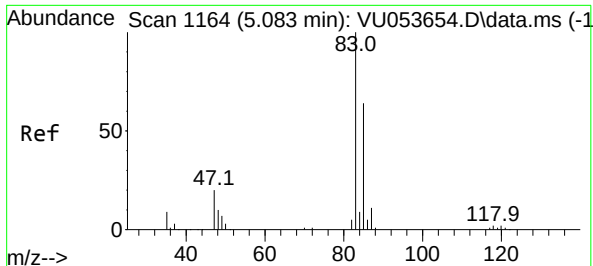
128 100

49 131.1 81.5 151.3

130 121.6 91.8 170.4

51 42.5 30.2 45.2





#25

Chloroform

Concen: 51.982 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

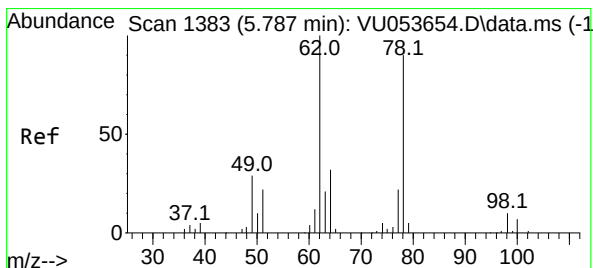
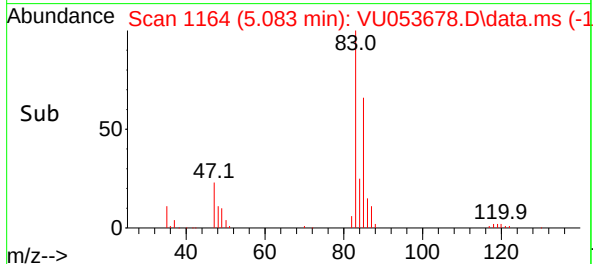
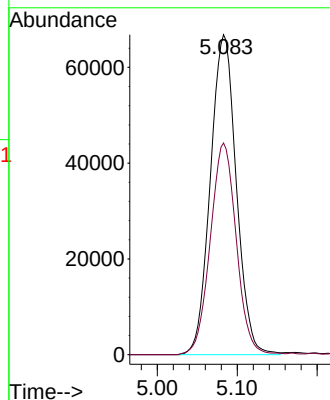
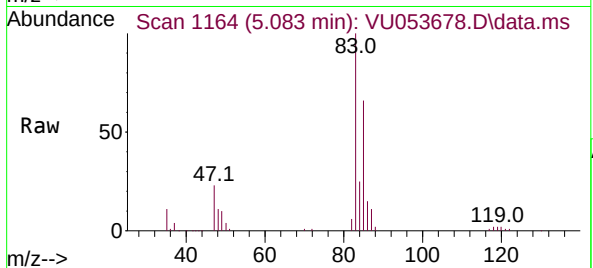
VSTD050198

Tgt Ion: 83 Resp: 150462

Ion Ratio Lower Upper

83 100

85 66.1 46.1 85.5



#27

1,2-Dichloroethane

Concen: 52.488 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VU053678.D

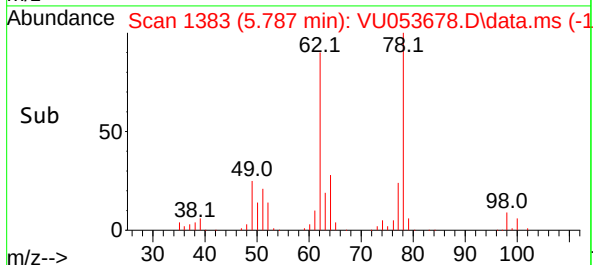
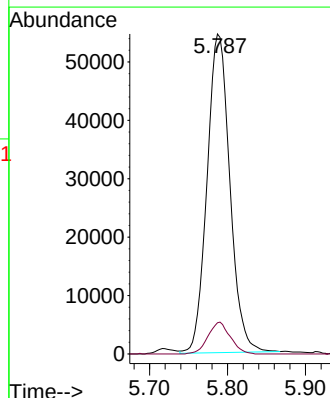
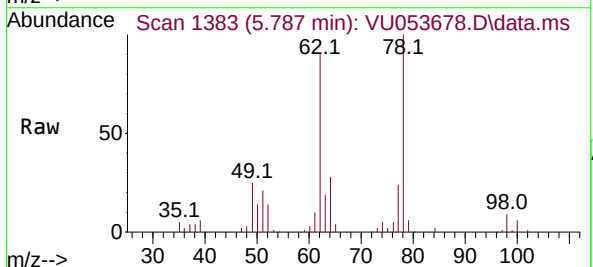
Acq: 13 Apr 2023 10:49

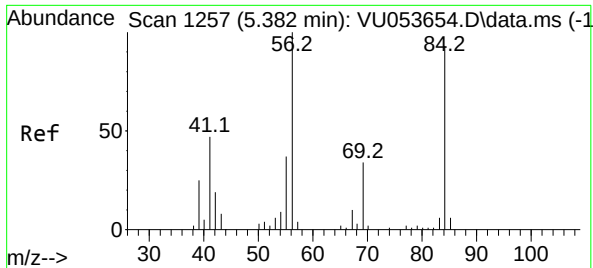
Tgt Ion: 62 Resp: 111263

Ion Ratio Lower Upper

62 100

98 9.7 8.3 12.5





#29

Cyclohexane

Concen: 51.534 ug/L

RT: 5.382 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050198

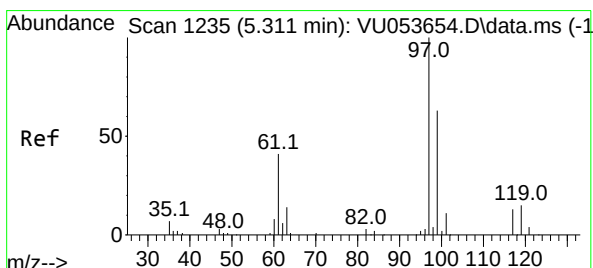
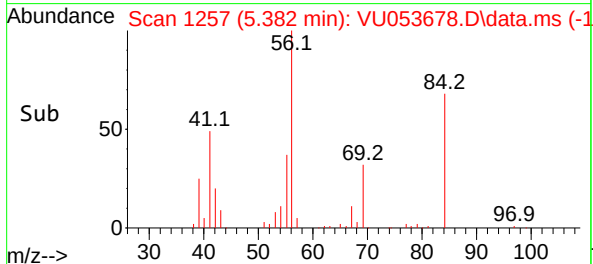
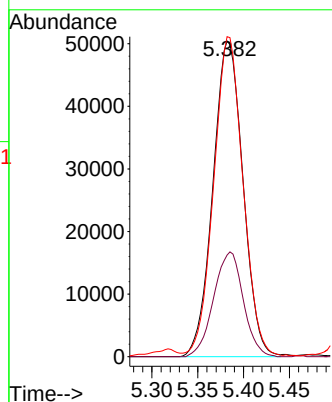
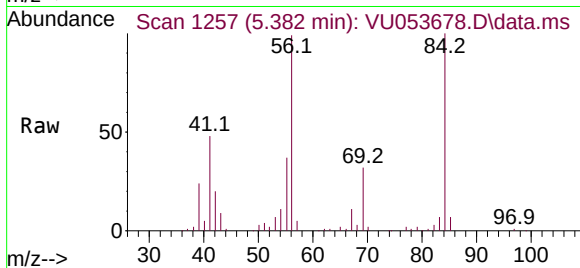
Tgt Ion: 56 Resp: 114897

Ion Ratio Lower Upper

56 100

69 32.7 27.3 40.9

84 98.2 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 49.451 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

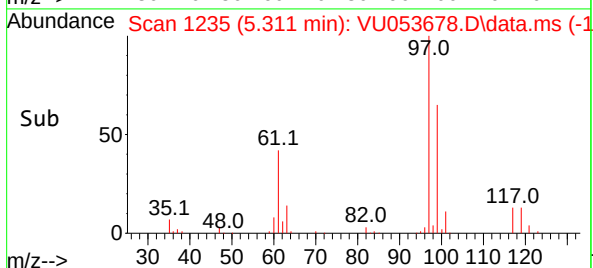
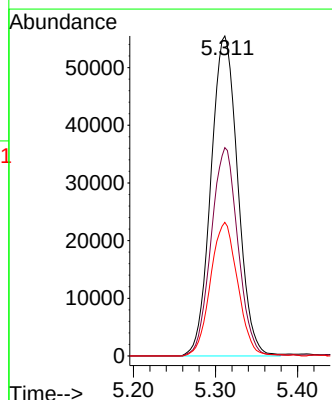
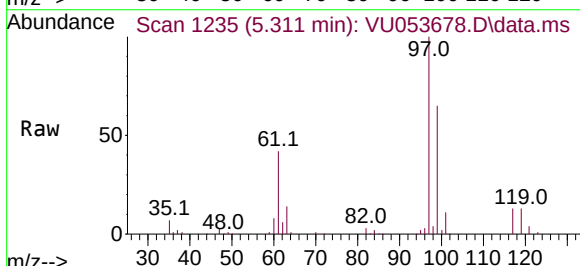
Tgt Ion: 97 Resp: 126192

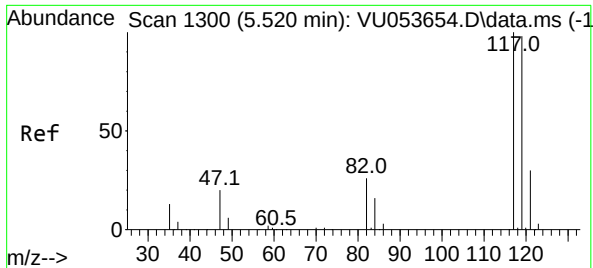
Ion Ratio Lower Upper

97 100

99 65.1 51.6 77.4

61 42.2 31.0 46.4

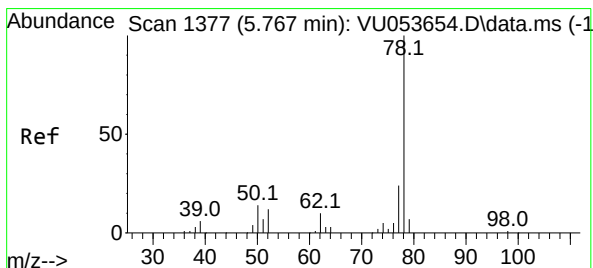
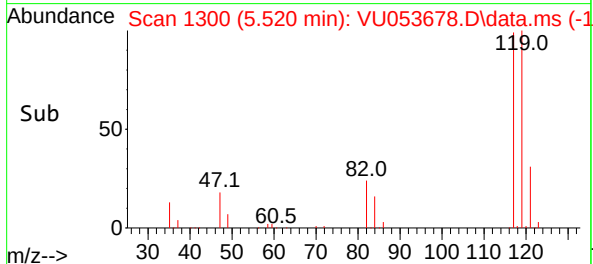
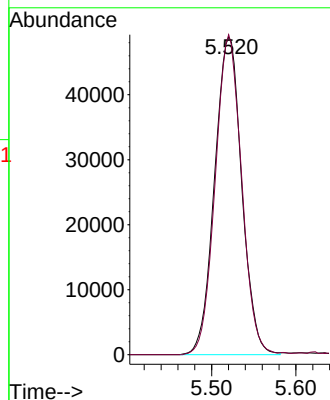
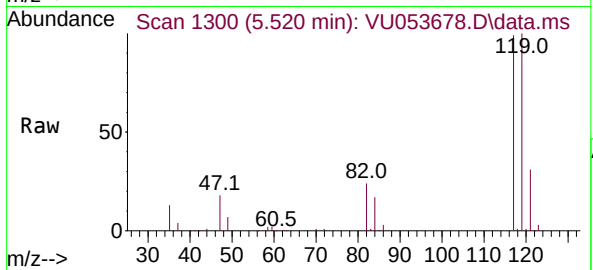




#31
Carbon tetrachloride
Concen: 47.791 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

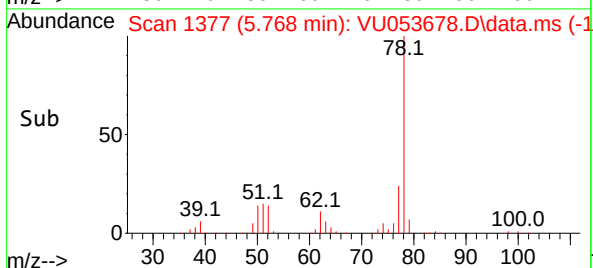
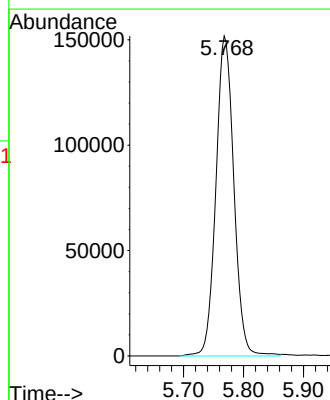
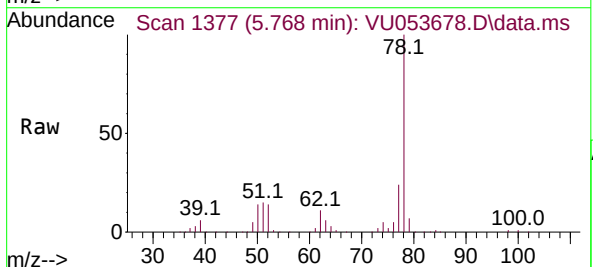
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

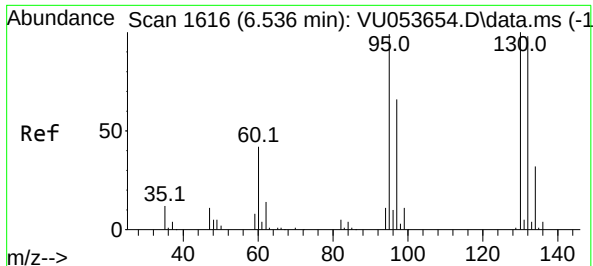
Tgt Ion:117 Resp: 109266
Ion Ratio Lower Upper
117 100
119 97.6 76.9 115.3



#33
Benzene
Concen: 52.182 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion: 78 Resp: 314869

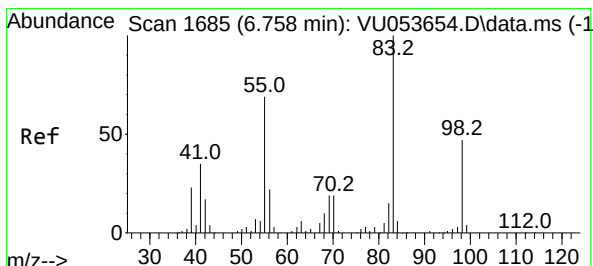
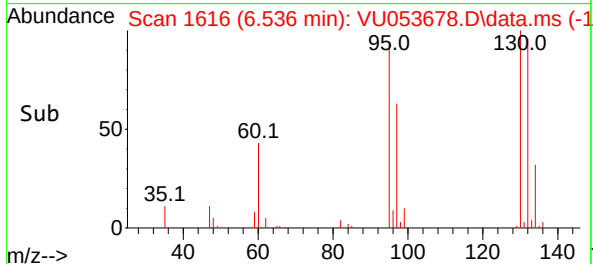
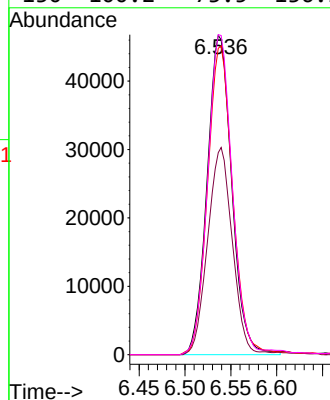
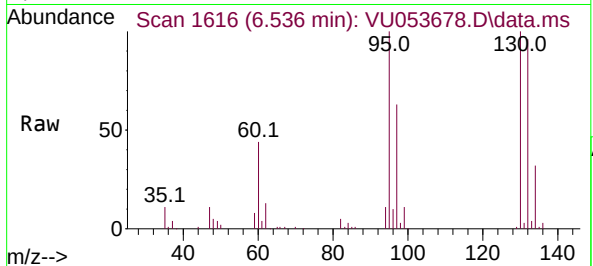




#34
Trichloroethene
Concen: 47.930 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

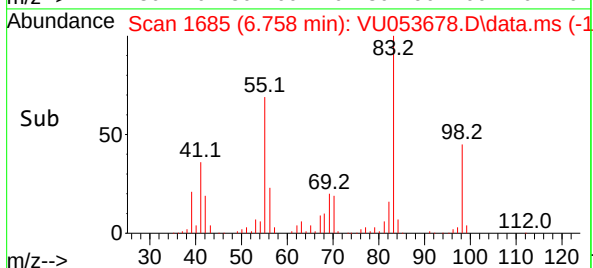
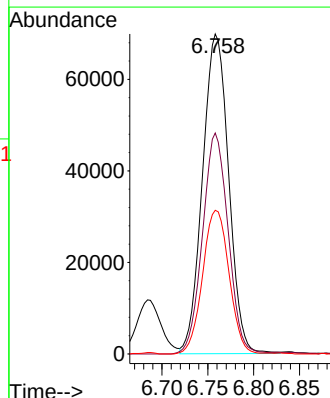
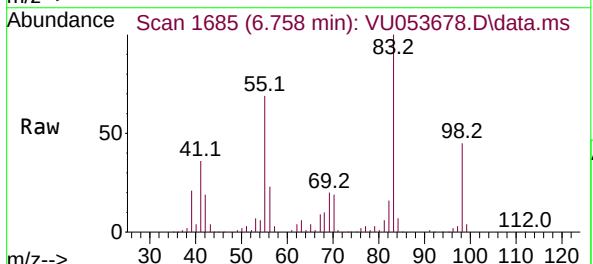
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

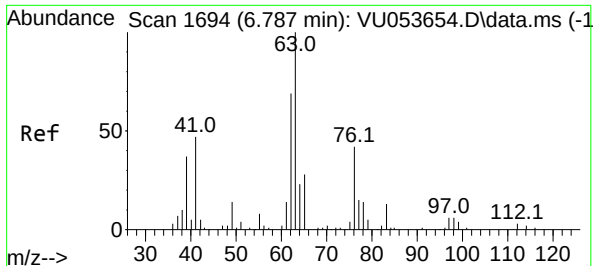
Tgt Ion: 95 Resp: 87472
Ion Ratio Lower Upper
95 100
97 63.3 45.1 83.7
132 96.0 74.1 137.5
130 100.2 73.5 136.5



#35
Methylcyclohexane
Concen: 51.712 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion: 83 Resp: 138722
Ion Ratio Lower Upper
83 100
55 67.6 53.0 79.6
98 45.5 39.0 58.6





#37

1,2-Dichloropropane

Concen: 54.987 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

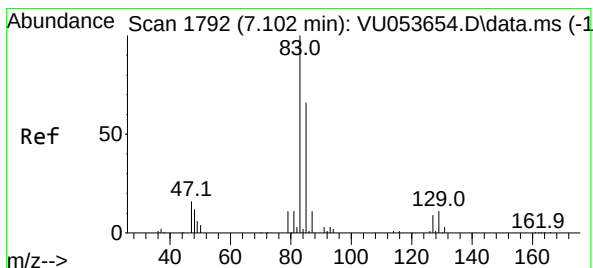
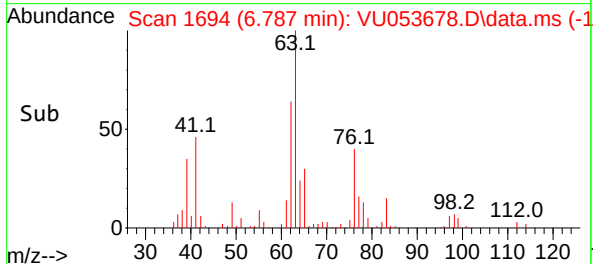
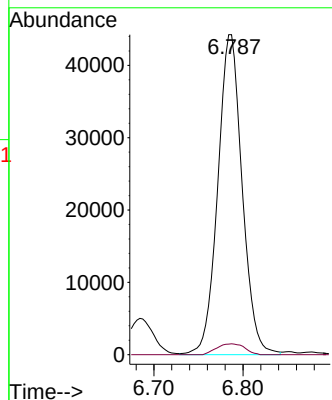
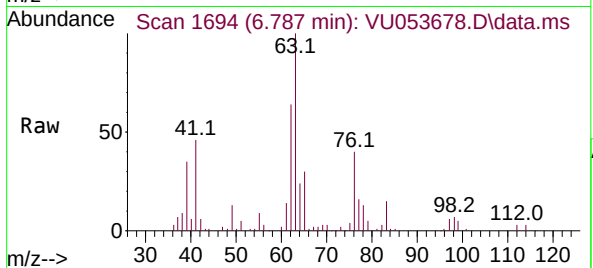
VSTD050198

Tgt Ion: 63 Resp: 84247

Ion Ratio Lower Upper

63 100

112 3.9 3.8 5.6



#38

Bromodichloromethane

Concen: 51.809 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.003 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

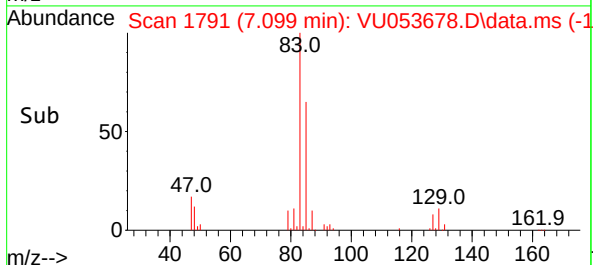
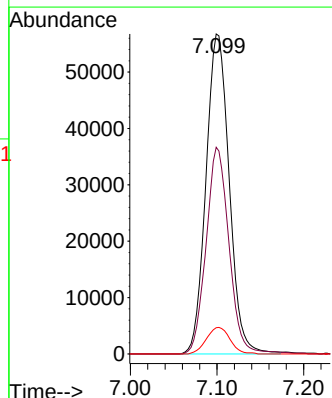
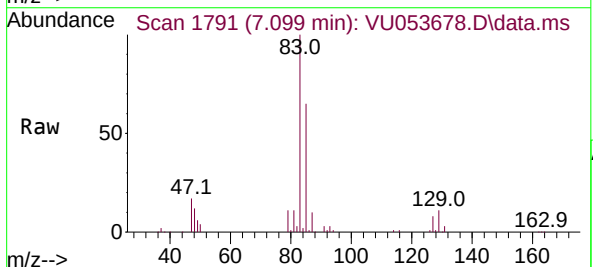
Tgt Ion: 83 Resp: 105894

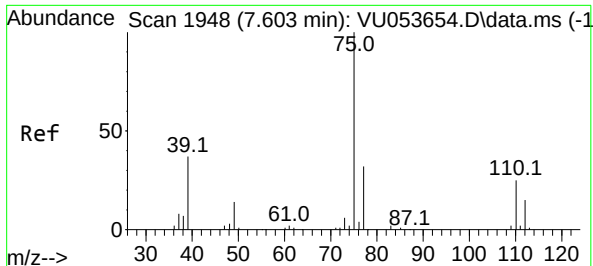
Ion Ratio Lower Upper

83 100

85 64.6 44.4 82.5

127 8.2 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 51.324 ug/L

RT: 7.601 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

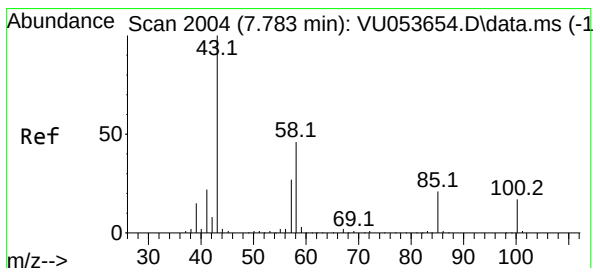
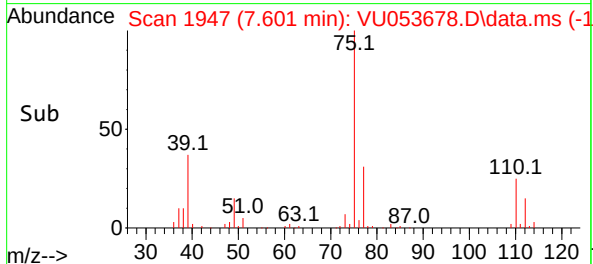
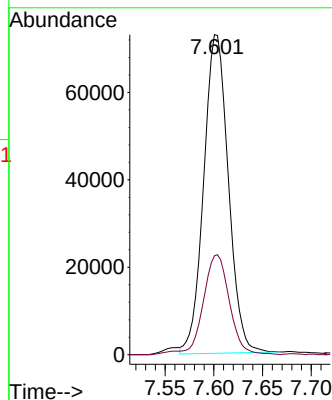
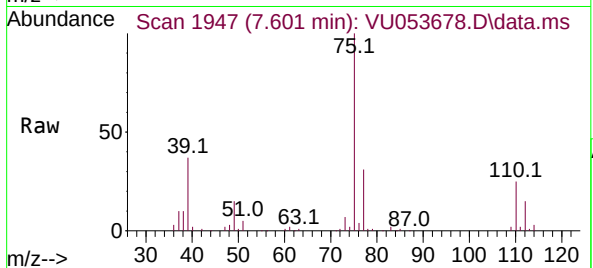
VSTD050198

Tgt Ion: 75 Resp: 128501

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 116.164 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

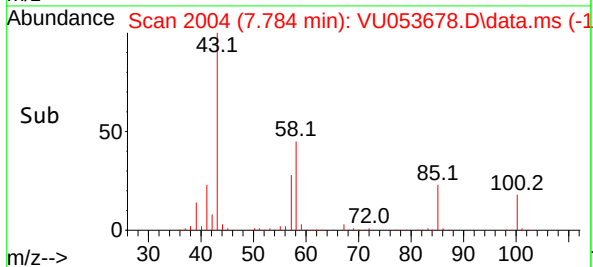
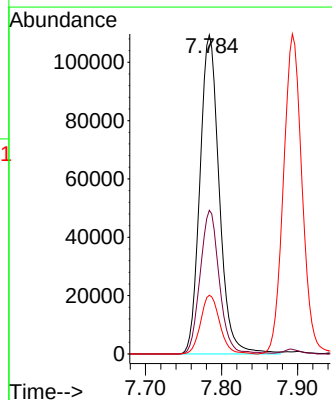
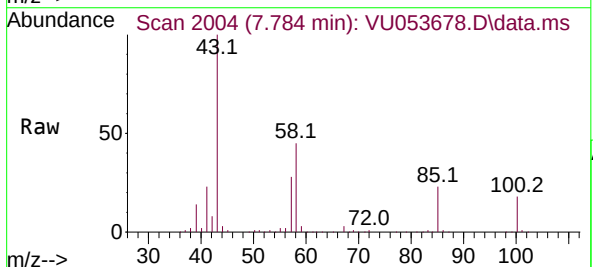
Tgt Ion: 43 Resp: 193409

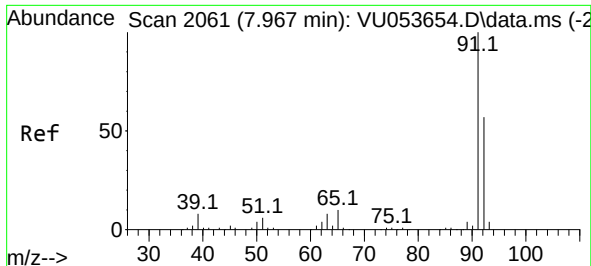
Ion Ratio Lower Upper

43 100

58 44.1 35.5 53.3

100 18.2 15.8 23.8





#42

Toluene

Concen: 50.036 ug/L

RT: 7.964 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

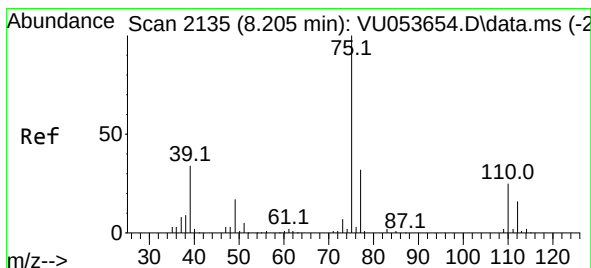
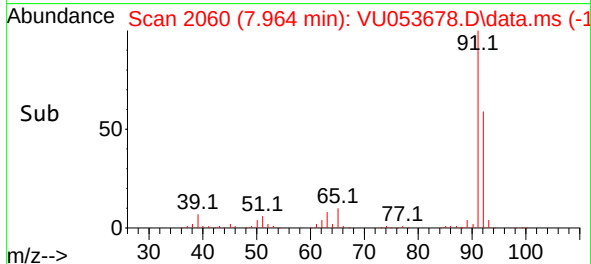
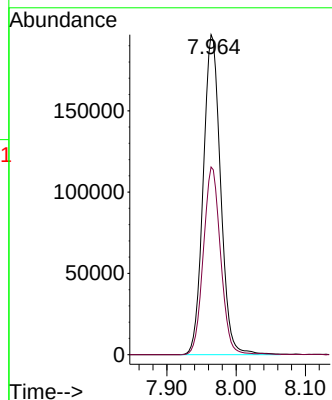
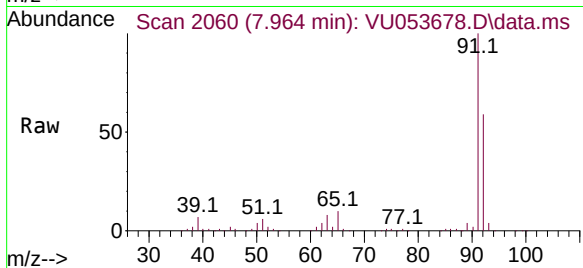
VSTD050198

Tgt Ion: 91 Resp: 342146

Ion Ratio Lower Upper

91 100

92 58.6 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 53.433 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053678.D

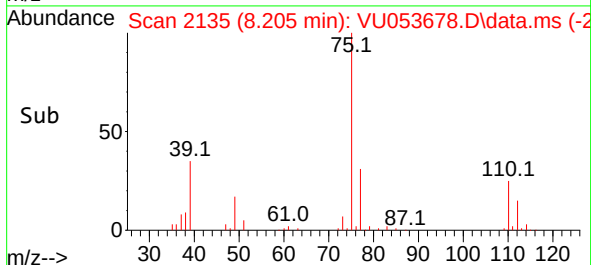
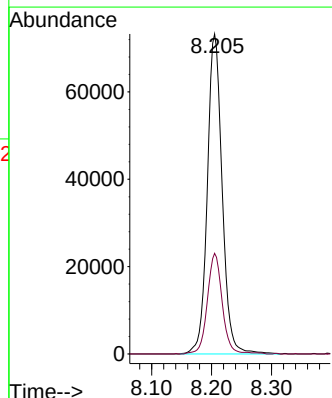
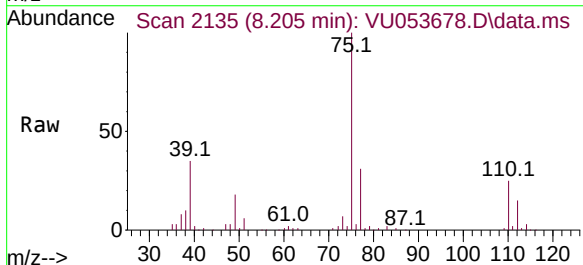
Acq: 13 Apr 2023 10:49

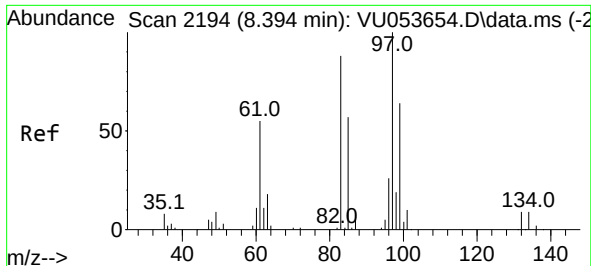
Tgt Ion: 75 Resp: 126471

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4

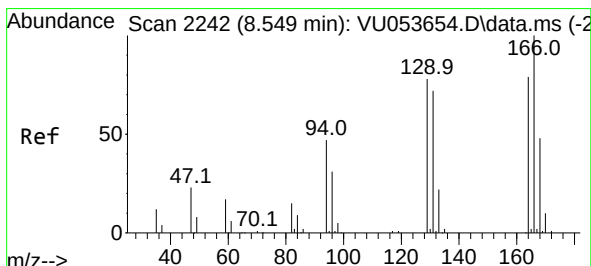
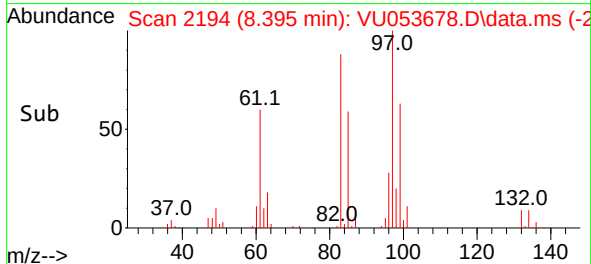
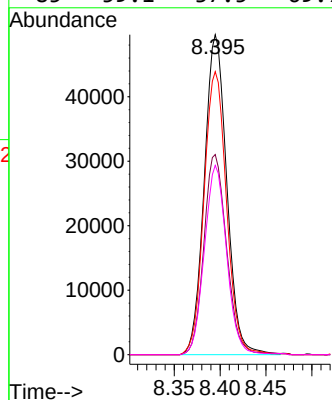
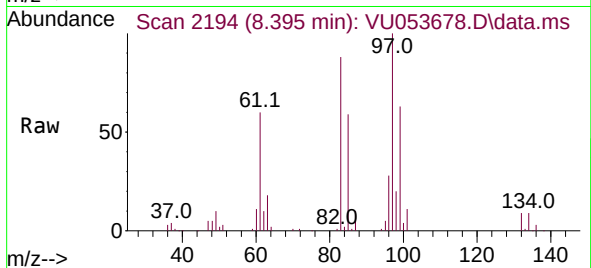




#45
1,1,2-Trichloroethane
Concen: 50.376 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

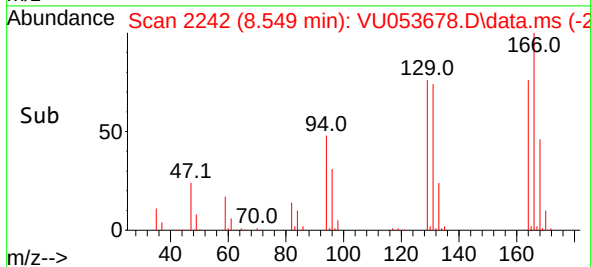
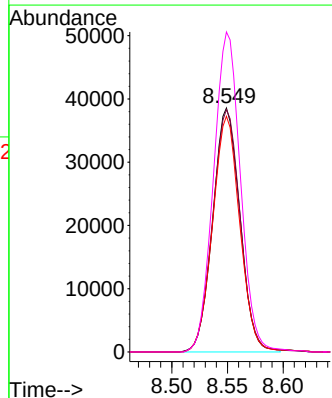
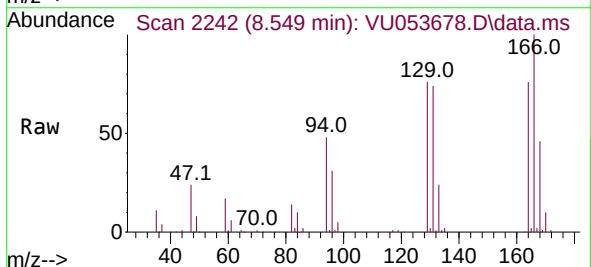
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

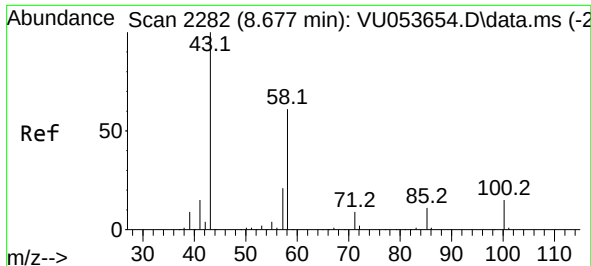
Tgt Ion:	97	Resp:	84741
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.3
83	88.4	59.0	109.6
85	59.1	37.5	69.7



#46
Tetrachloroethene
Concen: 43.158 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion:	164	Resp:	65360
Ion	Ratio	Lower	Upper
164	100		
129	99.4	64.0	119.0
131	96.6	61.9	115.1
166	131.1	90.6	168.2



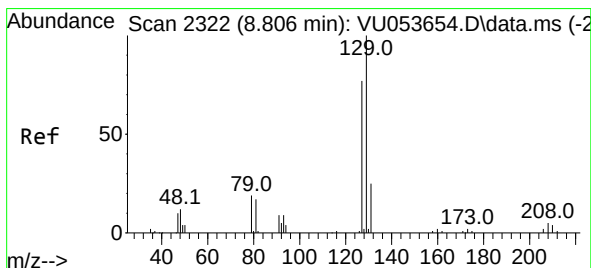
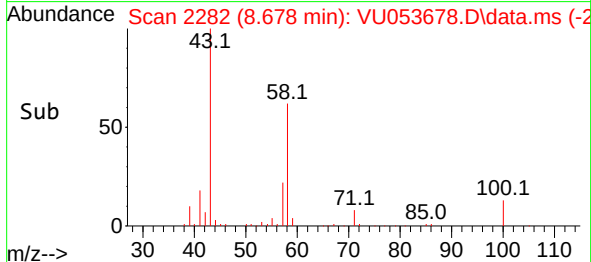
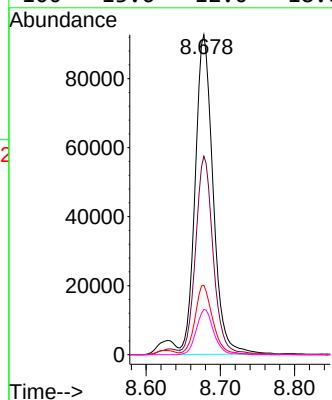
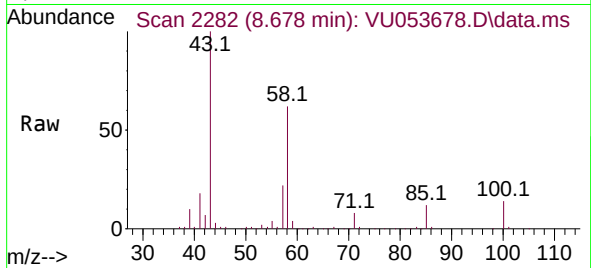


#48
2-Hexanone
Concen: 115.323 ug/L
RT: 8.678 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

Tgt Ion: 43 Resp: 155319

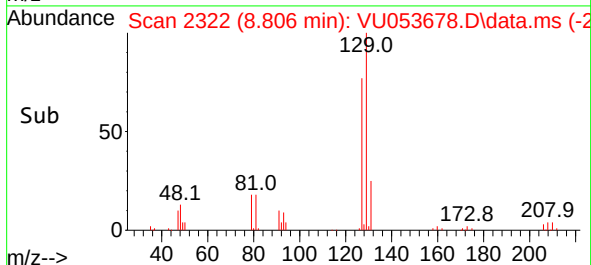
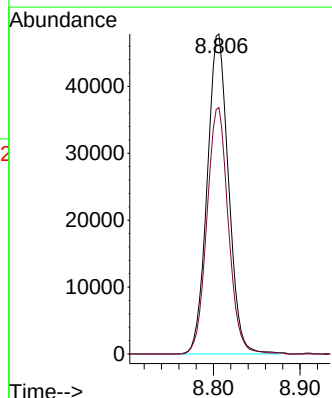
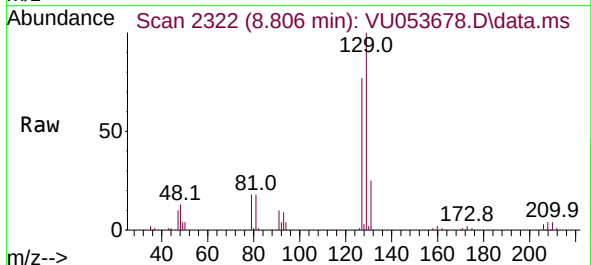
Ion	Ratio	Lower	Upper
43	100		
58	60.0	49.8	74.6
57	20.9	17.8	26.6
100	13.6	12.0	18.0

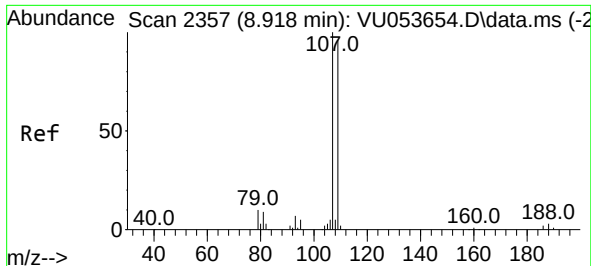


#49
Dibromochloromethane
Concen: 46.763 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion: 129 Resp: 81794

Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.5	99.3

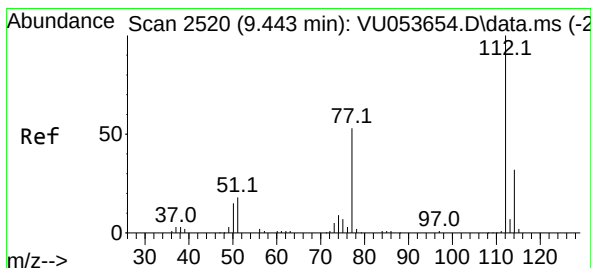
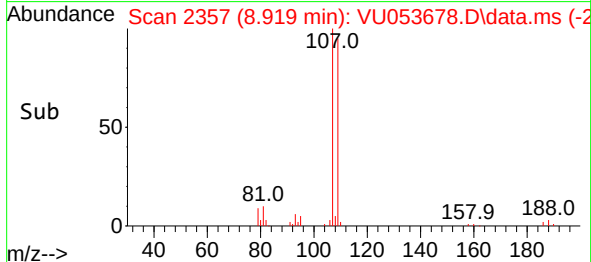
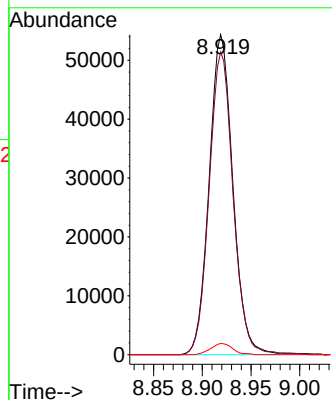
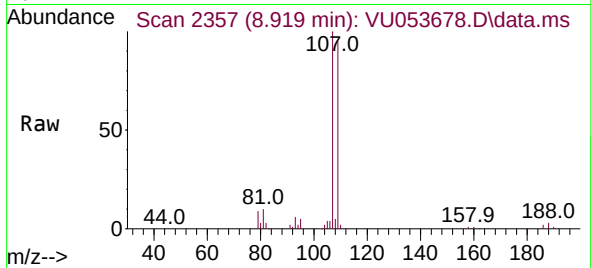




#50
1,2-Dibromoethane
Concen: 48.931 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

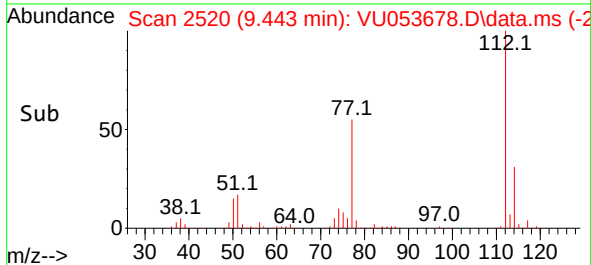
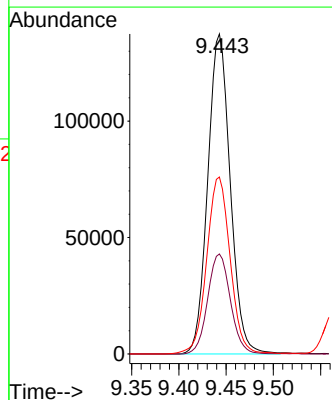
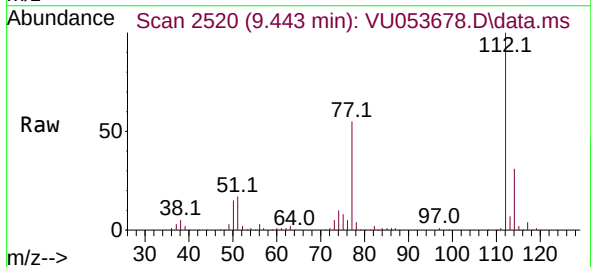
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

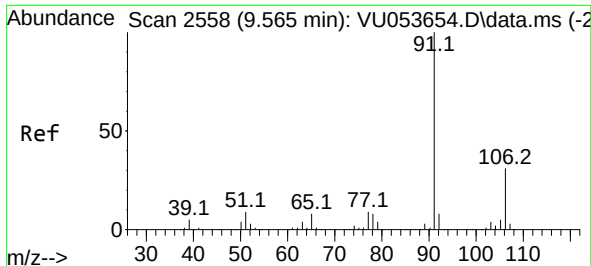
Tgt Ion:107 Resp: 92088
Ion Ratio Lower Upper
107 100
109 94.5 66.3 123.1
188 3.5 3.0 4.4



#51
Chlorobenzene
Concen: 48.240 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion:112 Resp: 227277
Ion Ratio Lower Upper
112 100
114 31.3 22.2 41.2
77 55.3 41.3 61.9

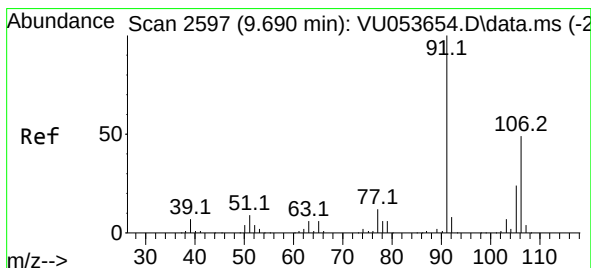
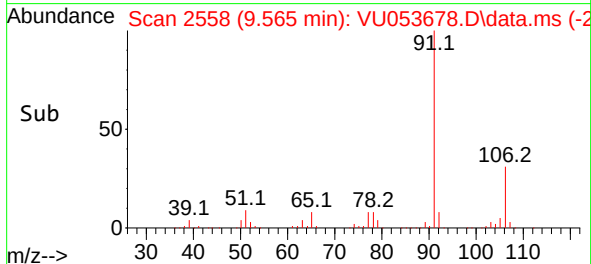
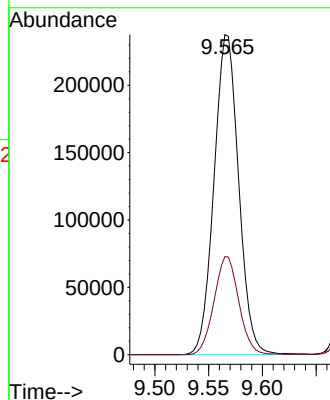
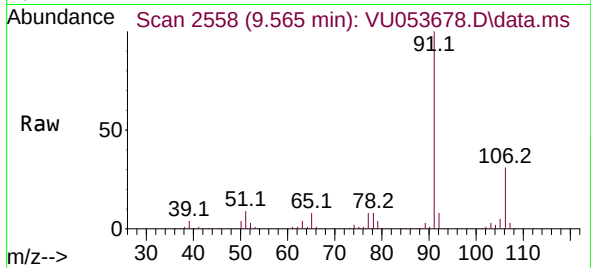




#52
Ethylbenzene
Concen: 49.588 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

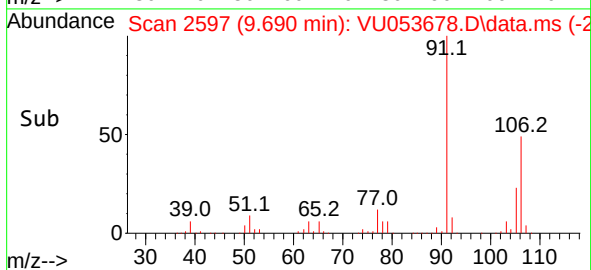
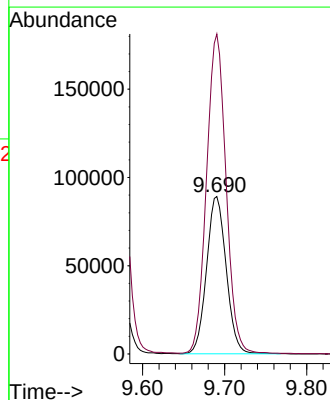
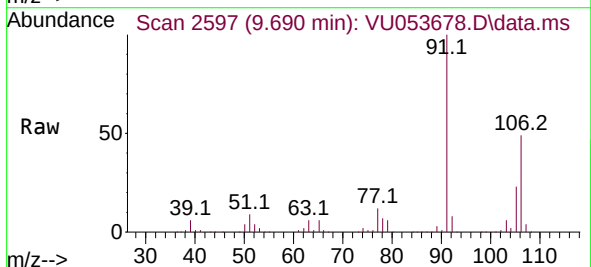
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

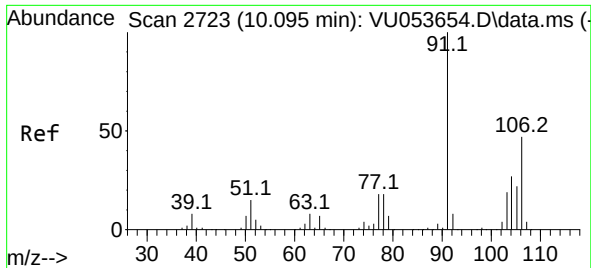
Tgt Ion: 91 Resp: 377467
Ion Ratio Lower Upper
91 100
106 30.7 22.4 41.6



#53
m,p-Xylene
Concen: 49.799 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion: 106 Resp: 148254
Ion Ratio Lower Upper
106 100
91 203.2 140.0 260.0

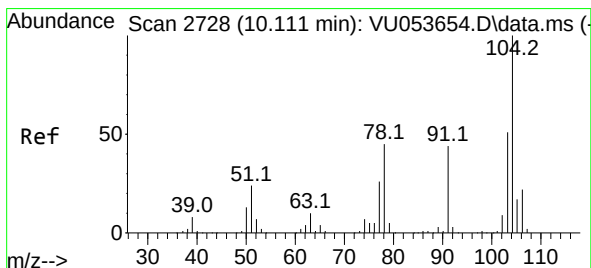
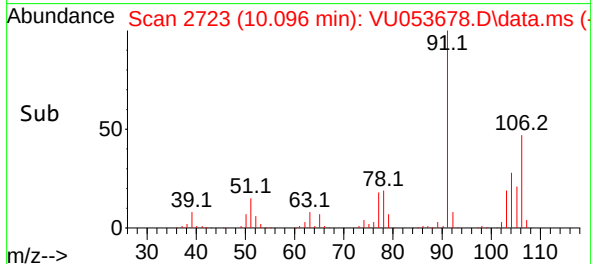
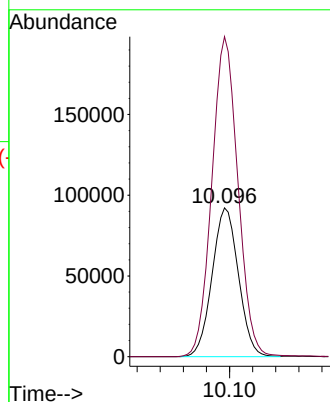
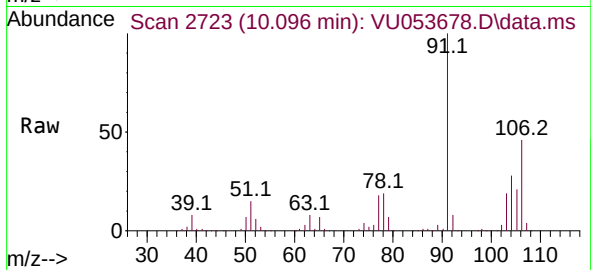




#54
o-Xylene
Concen: 49.538 ug/L
RT: 10.096 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

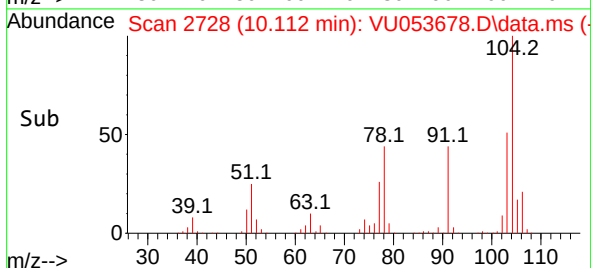
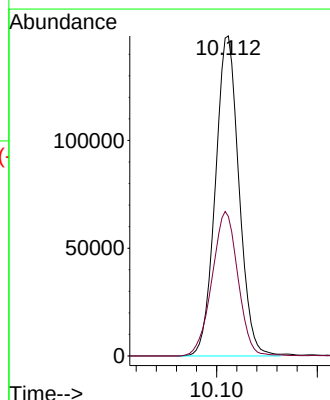
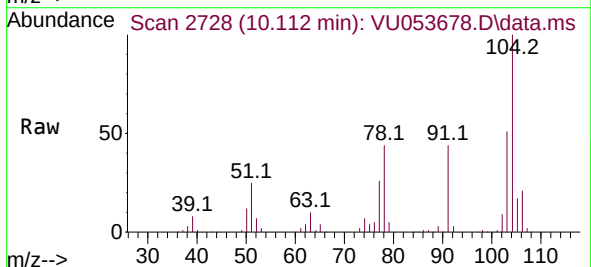
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

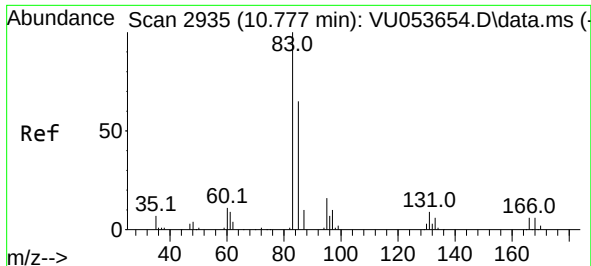
Tgt Ion:106 Resp: 145810
Ion Ratio Lower Upper
106 100
91 215.1 144.9 269.1



#55
Styrene
Concen: 50.553 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion:104 Resp: 242363
Ion Ratio Lower Upper
104 100
78 43.6 31.3 58.1

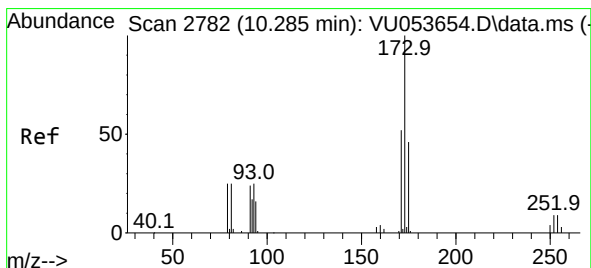
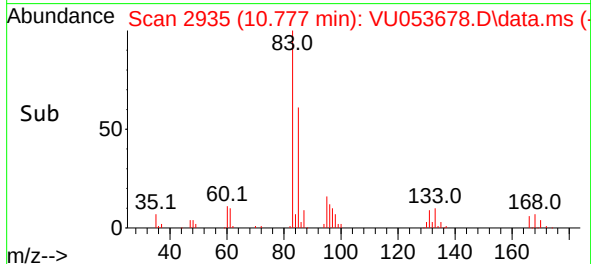
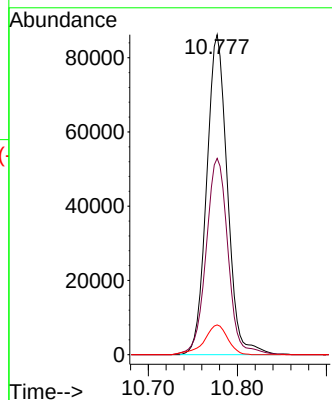
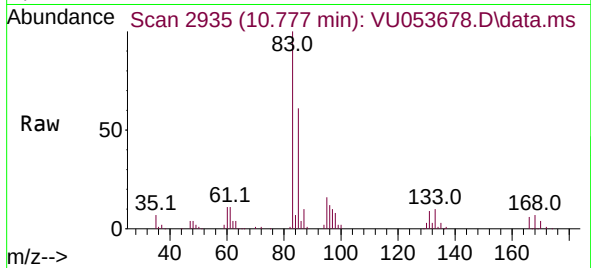




#57
 1,1,2,2-Tetrachloroethane
 Concen: 56.319 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053678.D
 Acq: 13 Apr 2023 10:49

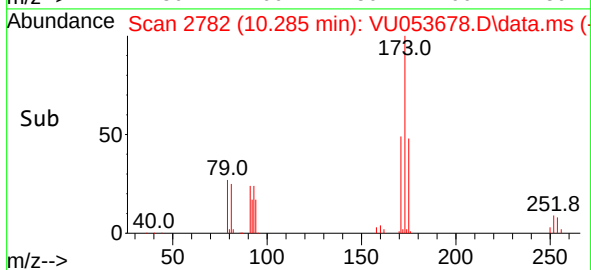
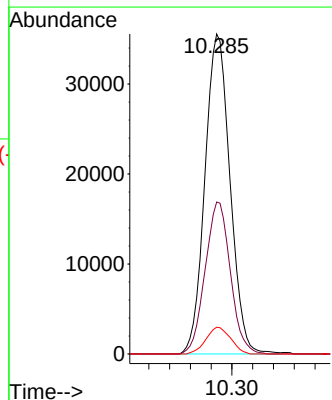
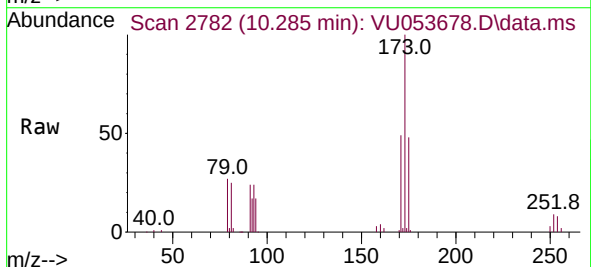
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050198

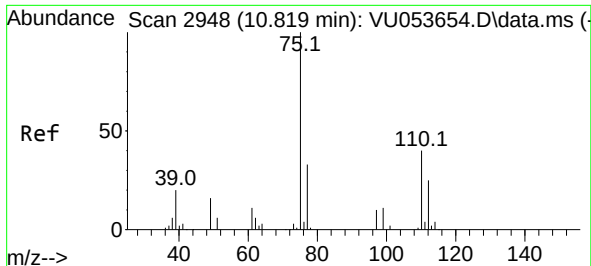
Tgt Ion: 83 Resp: 139096
 Ion Ratio Lower Upper
 83 100
 85 61.4 47.0 87.4
 131 9.3 8.7 13.1



#59
 Bromoform
 Concen: 46.145 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU053678.D
 Acq: 13 Apr 2023 10:49

Tgt Ion:173 Resp: 59695
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.0 58.6
 254 8.2 7.0 10.4

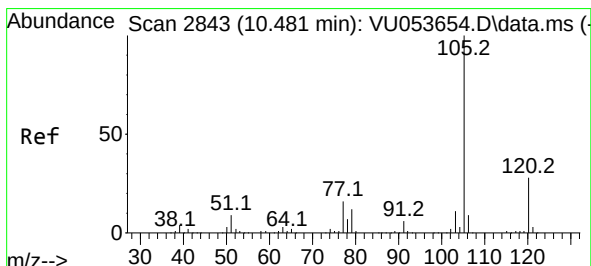
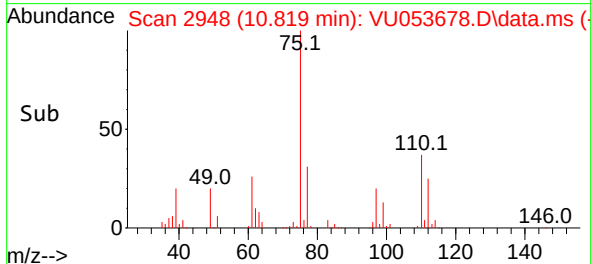
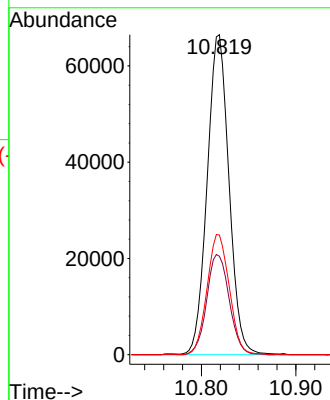
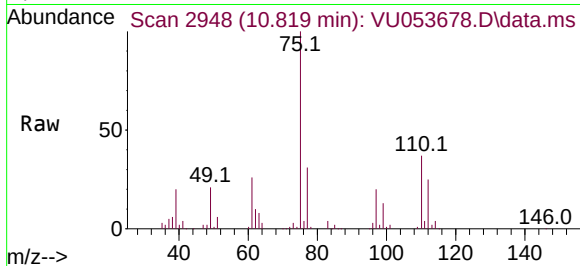




#60
1,2,3-Trichloropropane
Concen: 58.221 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

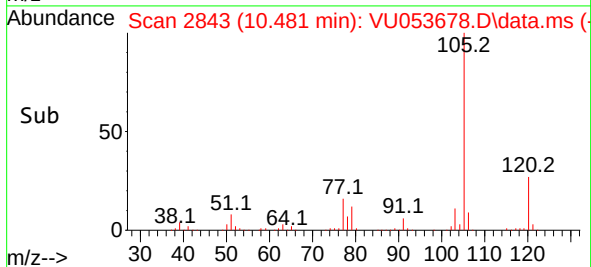
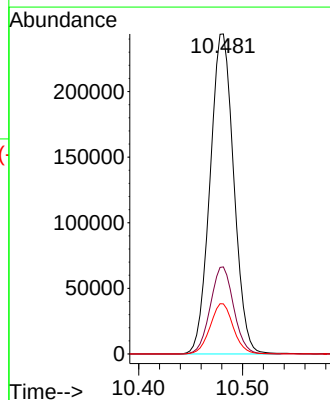
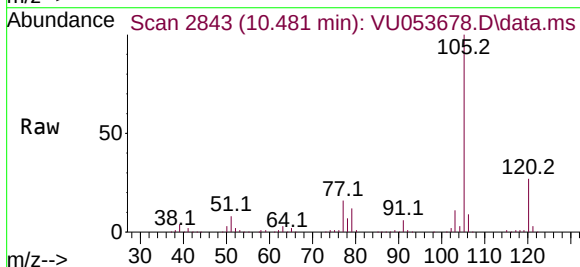
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

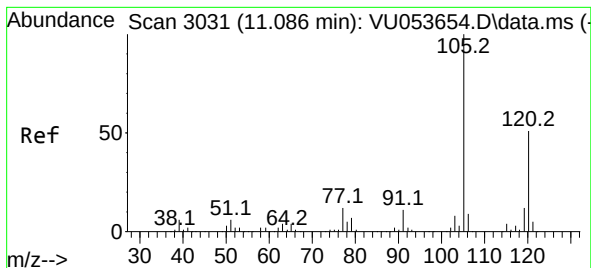
Tgt Ion: 75 Resp: 106693
Ion Ratio Lower Upper
75 100
77 32.3 26.0 39.0
110 38.3 32.6 48.8



#61
Isopropylbenzene
Concen: 51.732 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion: 105 Resp: 386556
Ion Ratio Lower Upper
105 100
120 26.8 22.4 33.6
77 15.4 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 51.251 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU053678.D

Acq: 13 Apr 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

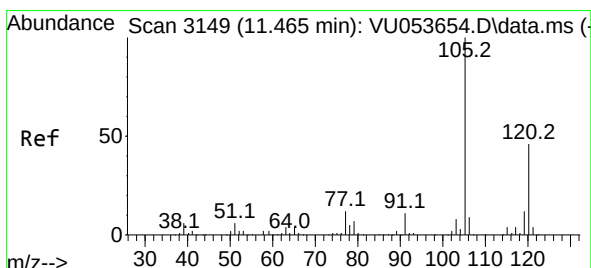
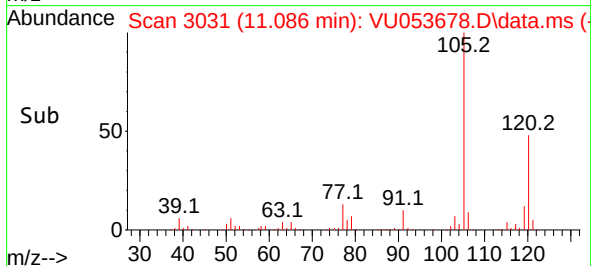
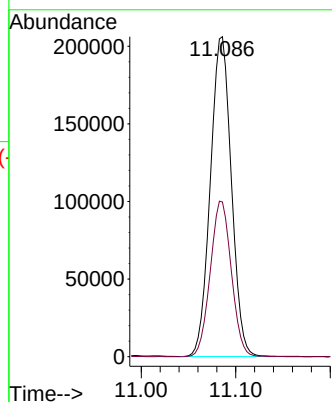
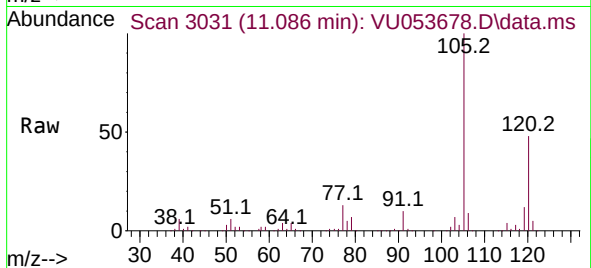
VSTD050198

Tgt Ion:105 Resp: 318350

Ion Ratio Lower Upper

105 100

120 48.7 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 51.801 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU053678.D

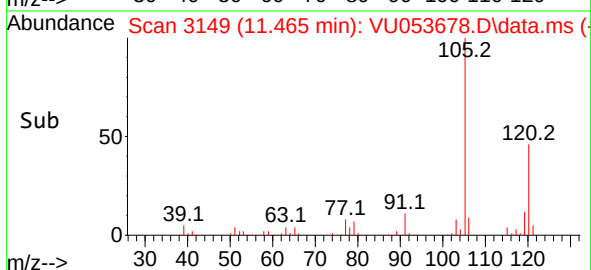
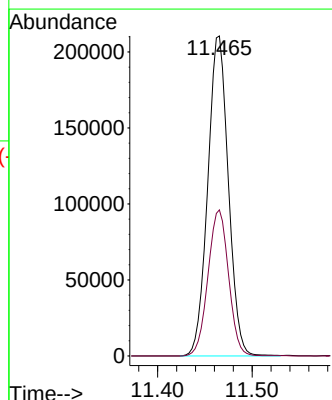
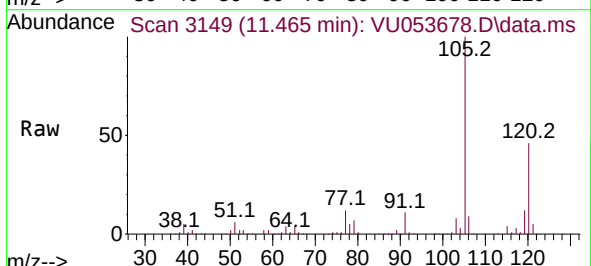
Acq: 13 Apr 2023 10:49

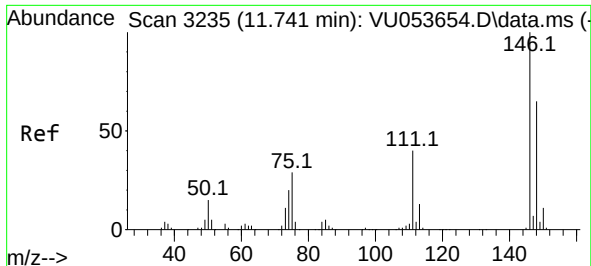
Tgt Ion:105 Resp: 318694

Ion Ratio Lower Upper

105 100

120 45.6 37.5 56.3

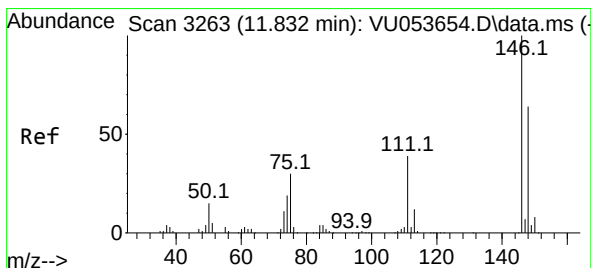
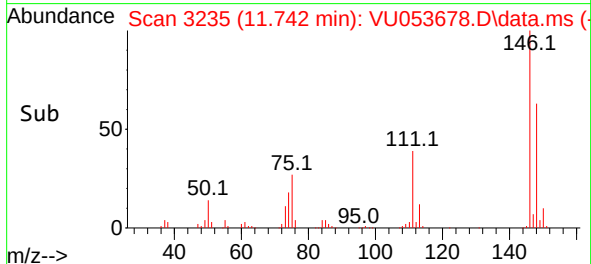
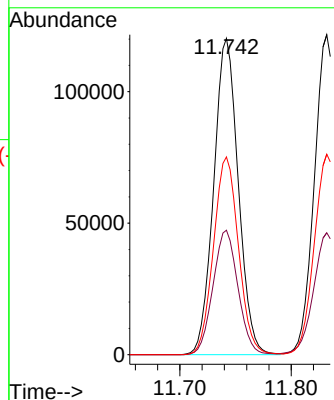
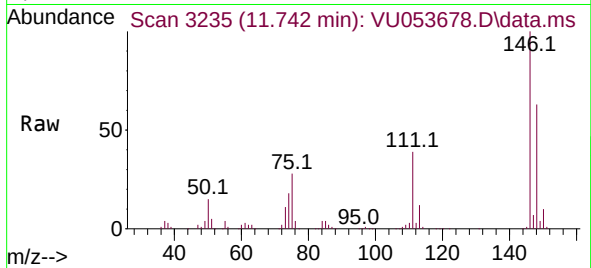




#64
 1,3-Dichlorobenzene
 Concen: 47.210 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU053678.D
 Acq: 13 Apr 2023 10:49

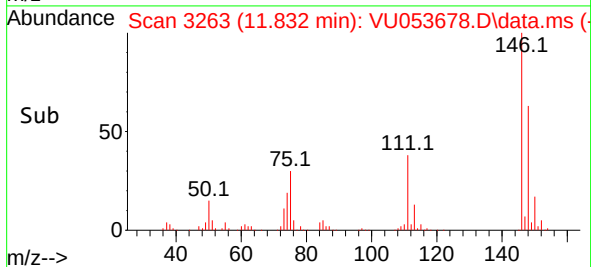
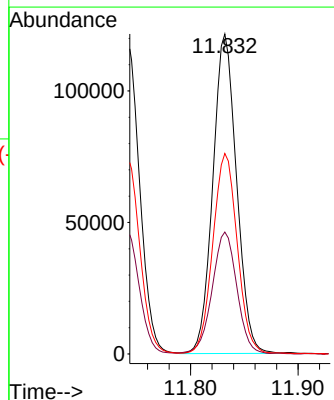
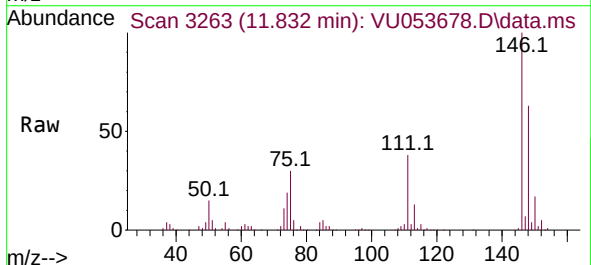
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050198

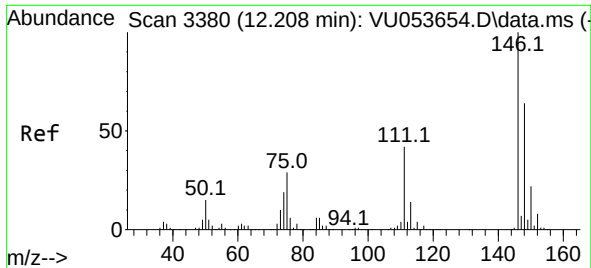
Tgt Ion:146 Resp: 184329
 Ion Ratio Lower Upper
 146 100
 111 39.4 25.7 47.7
 148 62.5 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 46.824 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU053678.D
 Acq: 13 Apr 2023 10:49

Tgt Ion:146 Resp: 186330
 Ion Ratio Lower Upper
 146 100
 111 38.1 25.1 46.5
 148 62.7 44.3 82.3

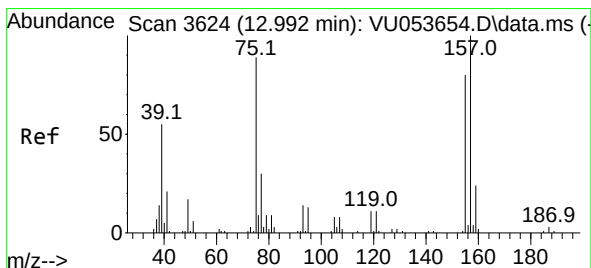
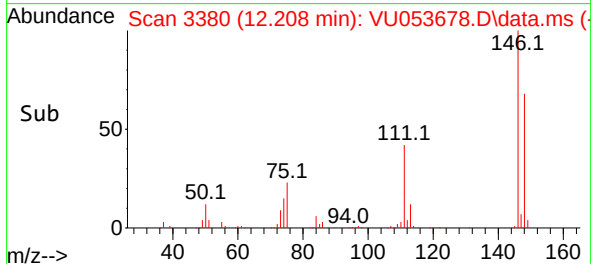
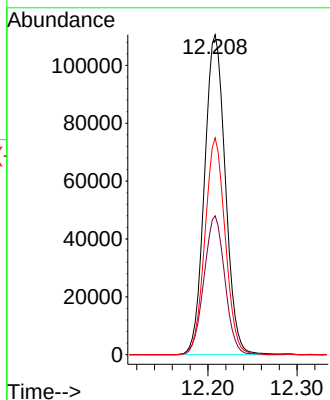
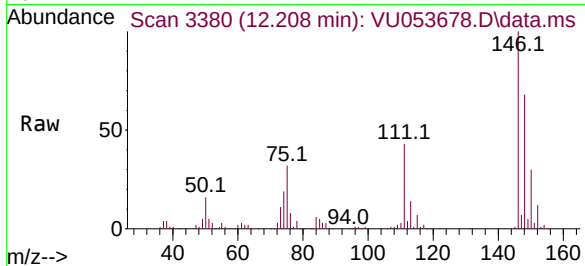




#67
1,2-Dichlorobenzene
Concen: 46.138 ug/L
RT: 12.208 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

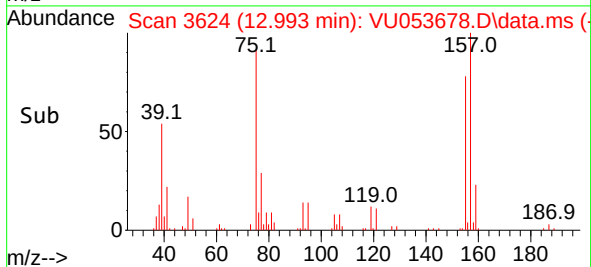
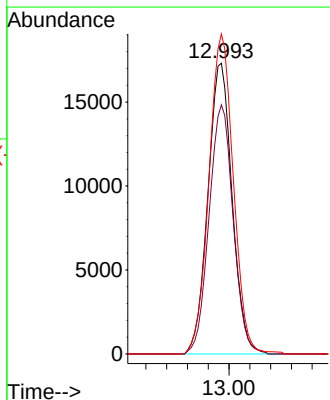
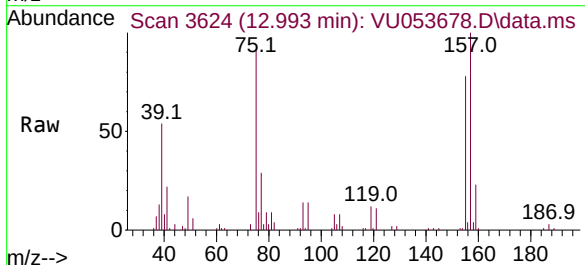
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

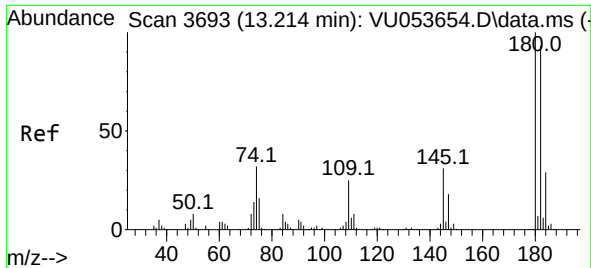
Tgt Ion:146 Resp: 179541
Ion Ratio Lower Upper
146 100
111 43.4 31.5 47.3
148 67.8 51.6 77.4



#68
1,2-Dibromo-3-chloropropane
Concen: 57.232 ug/L
RT: 12.993 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

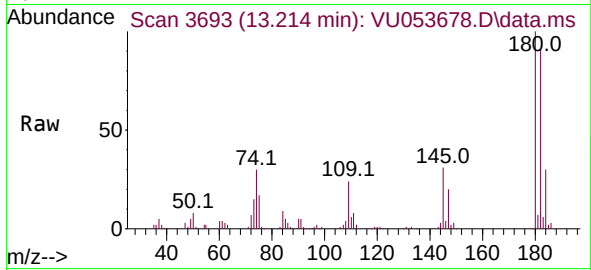
Tgt Ion: 75 Resp: 27960
Ion Ratio Lower Upper
75 100
155 85.7 79.9 119.9
157 110.1 100.8 151.2



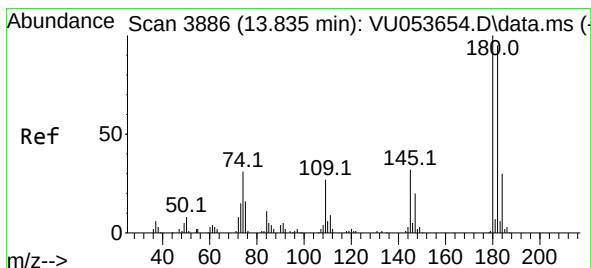
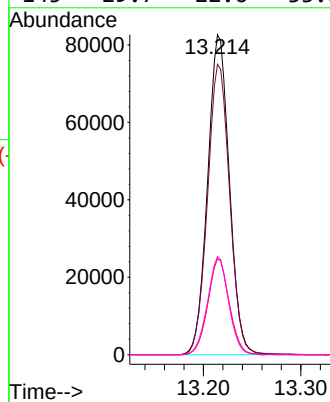
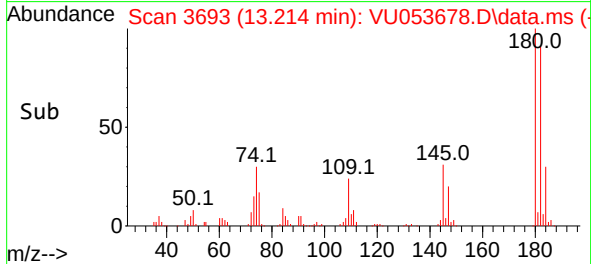


#69
1,3,5-Trichlorobenzene
Concen: 44.276 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

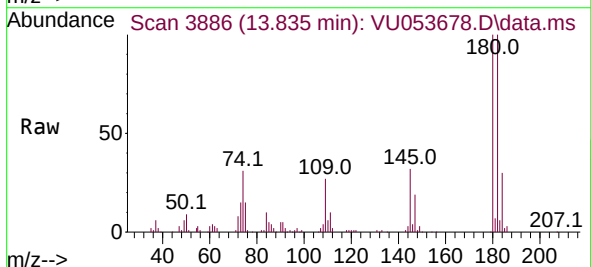
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198



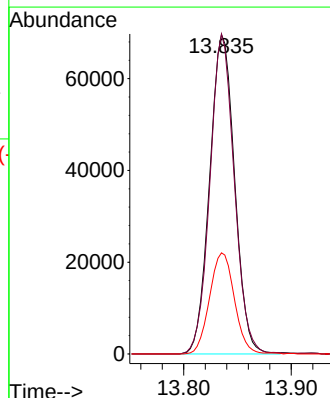
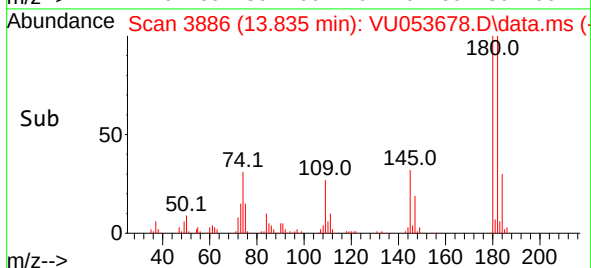
Tgt Ion:180 Resp: 128017
Ion Ratio Lower Upper
180 100
182 92.3 75.6 113.4
184 29.5 24.2 36.2
145 29.7 22.6 33.8

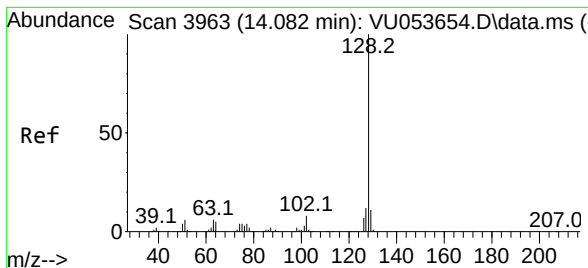


#70
1,2,4-trichlorobenzene
Concen: 41.889 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49



Tgt Ion:180 Resp: 112291
Ion Ratio Lower Upper
180 100
182 97.4 75.8 113.8
145 31.4 23.4 35.2

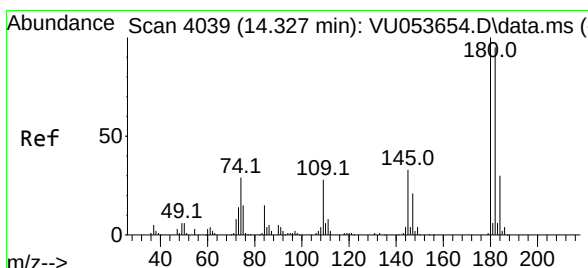
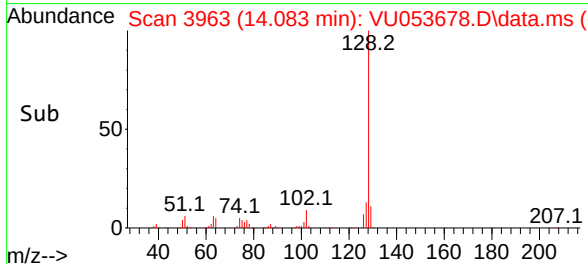
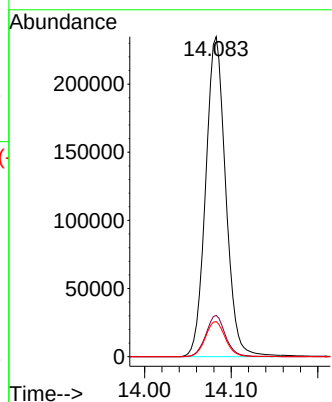
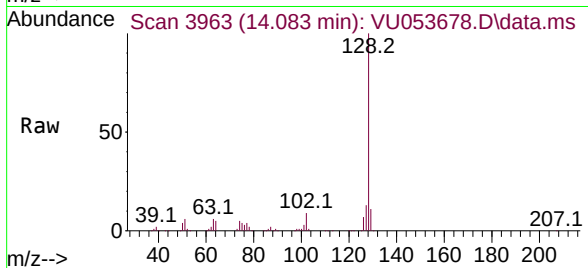




#71
Naphthalene
Concen: 47.004 ug/L
RT: 14.083 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

Tgt Ion:128 Resp: 377149
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 43.482 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU053678.D
Acq: 13 Apr 2023 10:49

Tgt Ion:180 Resp: 116423
Ion Ratio Lower Upper
180 100
182 94.7 77.0 115.6
145 33.4 25.4 38.0

