

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050123\
 Data File : VU054040.D
 Acq On : 01 May 2023 20:49
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050086

Quant Time: May 02 05:36:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 02 05:29:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	260620	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	252728	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	140091	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	78305	39.727	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.460%
7) Chloroethane-d5	1.906	69	58875	45.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.562	63	148309	42.422	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.840%
21) 2-Butanone-d5	4.620	46	111683	99.345	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.350%
24) Chloroform-d	5.057	84	162489	44.885	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.760%
26) 1,2-Dichloroethane-d4	5.694	65	103948	44.721	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.440%
32) Benzene-d6	5.719	84	313081	42.086	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.180%
36) 1,2-Dichloropropane-d6	6.684	67	98516	41.950	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.900%
41) Toluene-d8	7.893	98	293969	43.770	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.540%
43) trans-1,3-Dichloroprop...	8.173	79	50223	43.214	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.420%
47) 2-Hexanone-d5	8.626	63	77350	91.958	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.960%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	142917	46.201	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	120971	44.203	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	87103	46.323	ug/L	100
3) Chloromethane	1.517	50	80559	46.616	ug/L	99
5) Vinyl chloride	1.604	62	85327	46.422	ug/L	97
6) Bromomethane	1.851	94	42210	41.196	ug/L	96
8) Chloroethane	1.925	64	52360	52.275	ug/L	100
9) Trichlorofluoromethane	2.134	101	136061	46.647	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	83593	47.920	ug/L	99
12) 1,1-Dichloroethene	2.575	96	71583	47.351	ug/L	98
13) Acetone	2.626	43	84003	76.129	ug/L	97
14) Carbon disulfide	2.787	76	155454	46.330	ug/L	98
15) Methyl Acetate	2.945	43	90095	52.137	ug/L	97
16) Methylene chloride	3.041	84	92162	48.338	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	73069	47.268	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	275311	48.444	ug/L	98
19) 1,1-Dichloroethane	3.864	63	159235	47.976	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	89091	46.899	ug/L	99
22) 2-Butanone	4.697	43	126888	97.402	ug/L	97
23) Bromochloromethane	4.967	128	47495	48.226	ug/L	99
25) Chloroform	5.083	83	168531	48.119	ug/L	99

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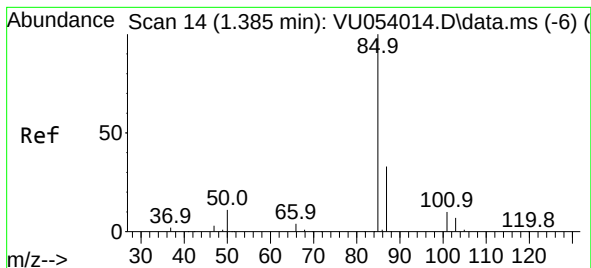
Quant Time: May 02 05:36:20 2023
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 Quant Title : VOC Analysis
 QLast Update : Tue May 02 05:29:54 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	127556	47.348	ug/L	98
29) Cyclohexane	5.382	56	117253	44.891	ug/L	96
30) 1,1,1-Trichloroethane	5.308	97	142598	45.268	ug/L	99
31) Carbon tetrachloride	5.520	117	123585	45.986	ug/L	98
33) Benzene	5.768	78	335823	45.652	ug/L	100
34) Trichloroethene	6.536	95	88134	45.142	ug/L	98
35) Methylcyclohexane	6.758	83	118936	43.436	ug/L	99
37) 1,2-Dichloropropane	6.784	63	93372	44.865	ug/L	99
38) Bromodichloromethane	7.099	83	122681	46.789	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	146099	44.875	ug/L	95
40) 4-Methyl-2-pentanone	7.784	43	240293	99.076	ug/L	99
42) Toluene	7.964	91	356389	46.538	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	141846	45.845	ug/L	100
45) 1,1,2-Trichloroethane	8.391	97	94307	46.816	ug/L	96
46) Tetrachloroethene	8.549	164	67530	43.598	ug/L	98
48) 2-Hexanone	8.677	43	186511	97.036	ug/L	99
49) Dibromochloromethane	8.803	129	92840	46.771	ug/L	97
50) 1,2-Dibromoethane	8.919	107	98835	48.339	ug/L	97
51) Chlorobenzene	9.439	112	238508	46.565	ug/L	100
52) Ethylbenzene	9.565	91	405187	47.011	ug/L	100
53) m,p-Xylene	9.687	106	153710	47.493	ug/L	97
54) o-Xylene	10.095	106	150181	47.431	ug/L	100
55) Styrene	10.108	104	263853	48.584	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	154997	48.845	ug/L	98
59) Bromoform	10.285	173	73389	46.793	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	122594	47.113	ug/L	99
61) Isopropylbenzene	10.478	105	402668	45.534	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	336659	46.458	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	330198	46.229	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	197221	45.600	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	198912	45.158	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	199577	45.722	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	32702	49.261	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	144495	46.105	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	130077	45.782	ug/L	98
71) Naphthalene	14.082	128	400701	48.623	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	134746	47.675	ug/L	99

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

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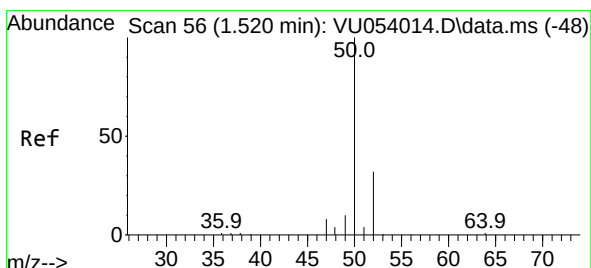
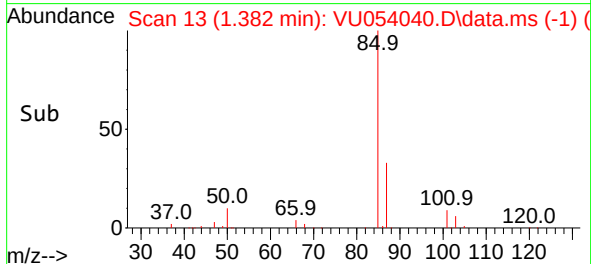
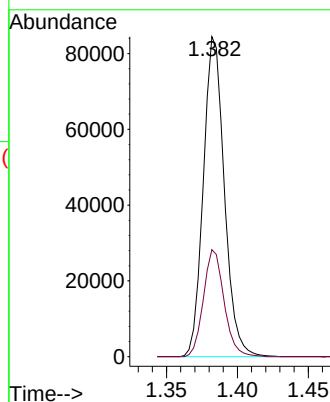
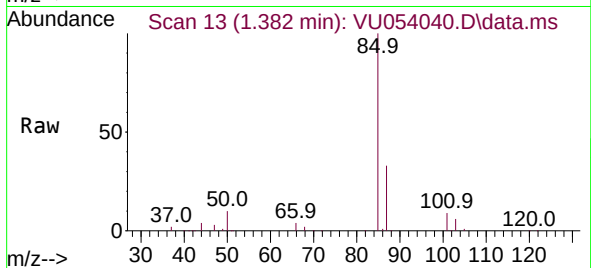




#2
Dichlorodifluoromethane
Concen: 46.323 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

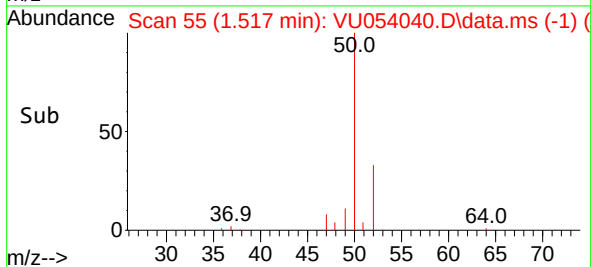
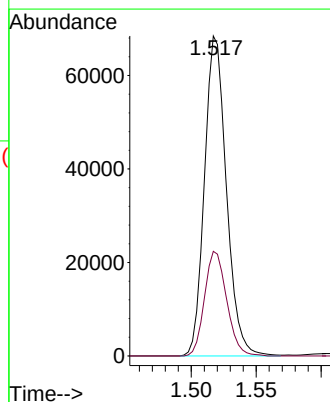
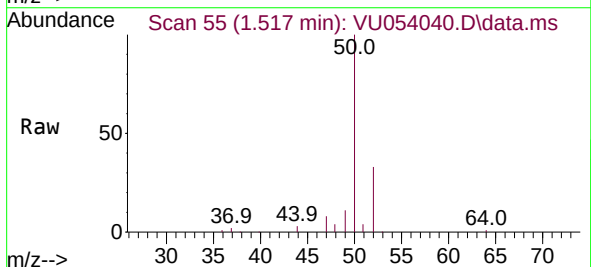
Instrument :
MSVOA_U
ClientSampleId :
VSTD050086

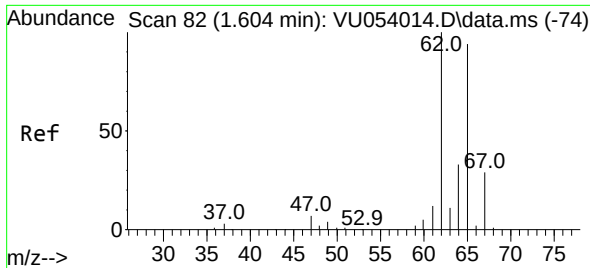
Tgt Ion: 85 Resp: 87103
Ion Ratio Lower Upper
85 100
87 32.8 26.0 39.0



#3
Chloromethane
Concen: 46.616 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Tgt Ion: 50 Resp: 80559
Ion Ratio Lower Upper
50 100
52 32.7 22.4 41.6

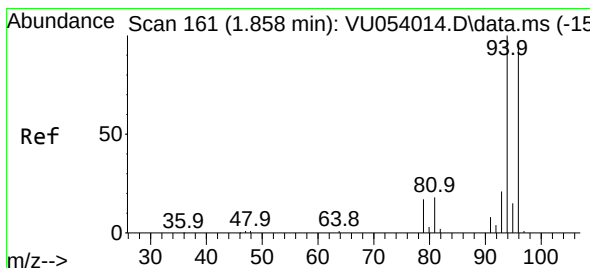
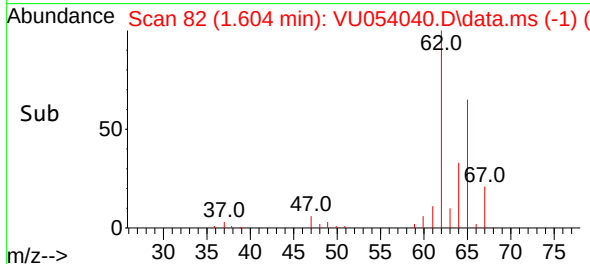
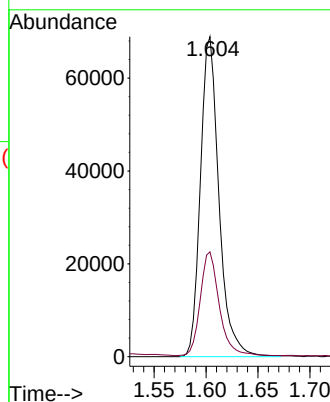
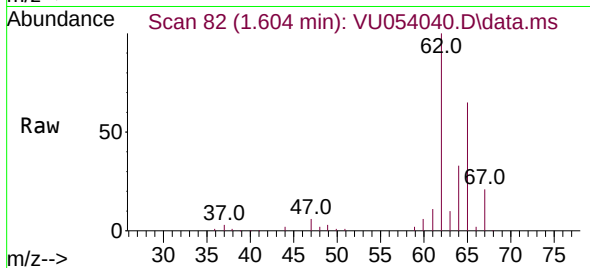




#5
 Vinyl chloride
 Concen: 46.422 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU054040.D
 Acq: 01 May 2023 20:49

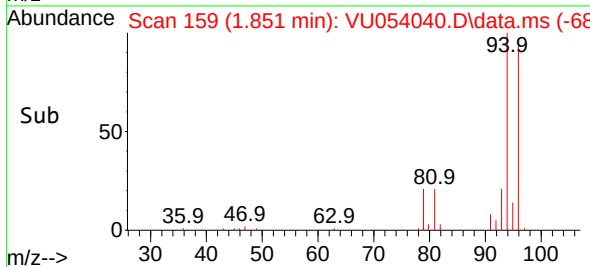
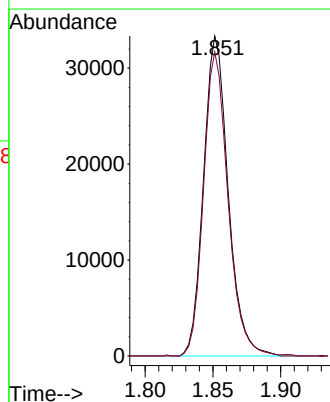
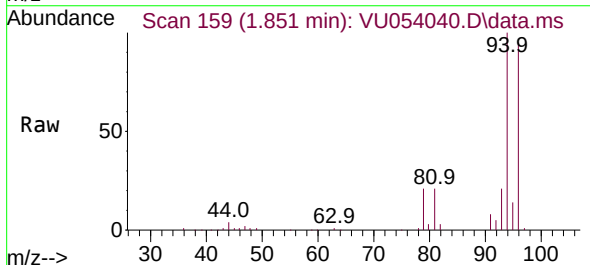
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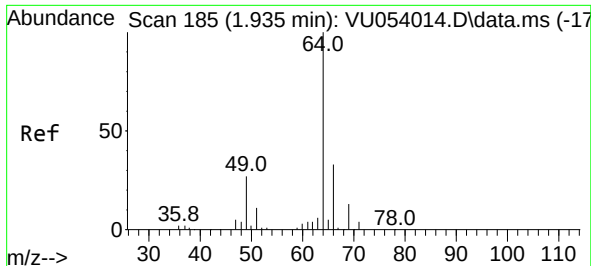
Tgt Ion: 62 Resp: 85327
 Ion Ratio Lower Upper
 62 100
 64 32.8 24.1 44.7



#6
 Bromomethane
 Concen: 41.196 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.006 min
 Lab File: VU054040.D
 Acq: 01 May 2023 20:49

Tgt Ion: 94 Resp: 42210
 Ion Ratio Lower Upper
 94 100
 96 95.0 63.9 118.7

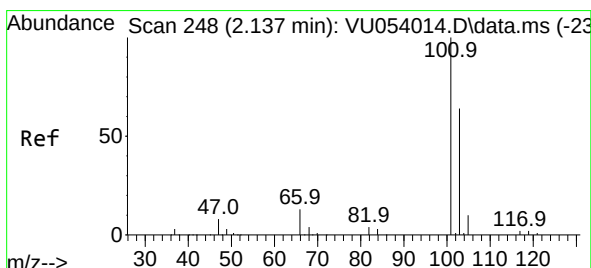
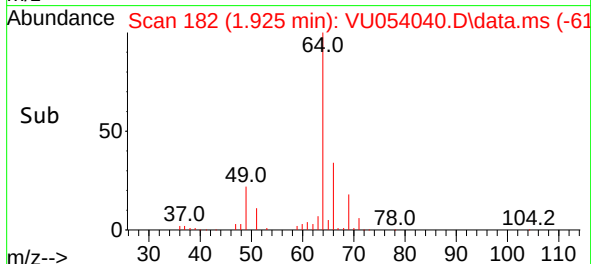
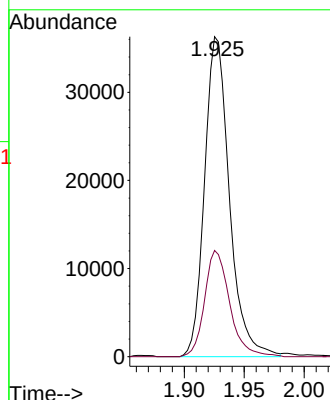
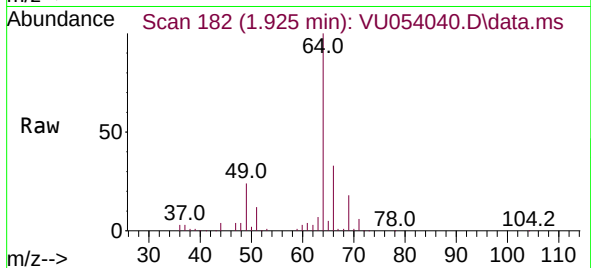




#8
Chloroethane
Concen: 52.275 ug/L
RT: 1.925 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

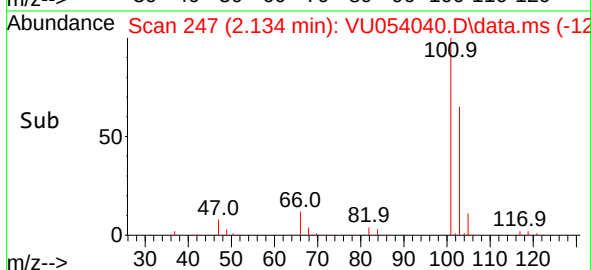
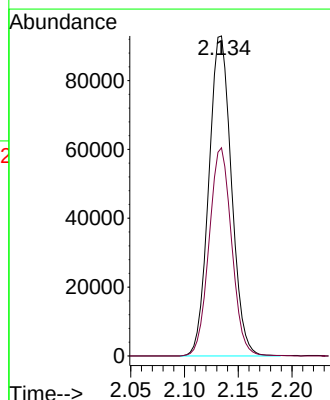
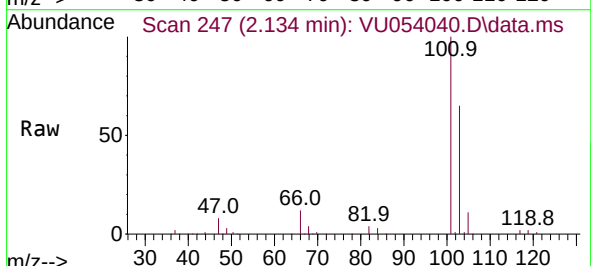
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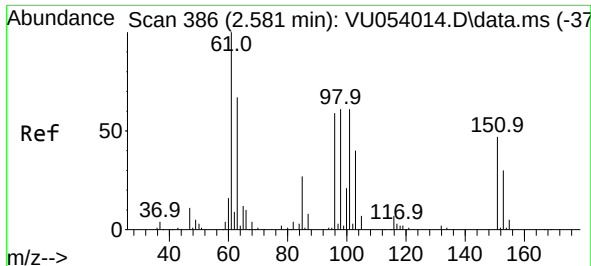
Tgt Ion: 64 Resp: 52360
Ion Ratio Lower Upper
64 100
66 33.2 23.1 42.9



#9
Trichlorofluoromethane
Concen: 46.647 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Tgt Ion:101 Resp: 136061
Ion Ratio Lower Upper
101 100
103 64.8 51.0 76.4

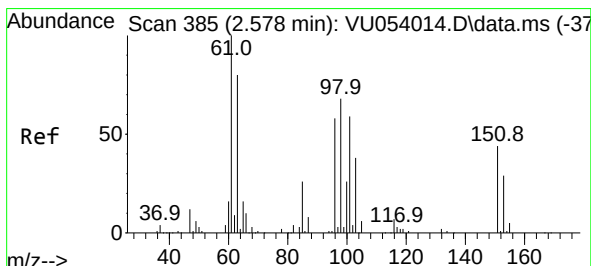
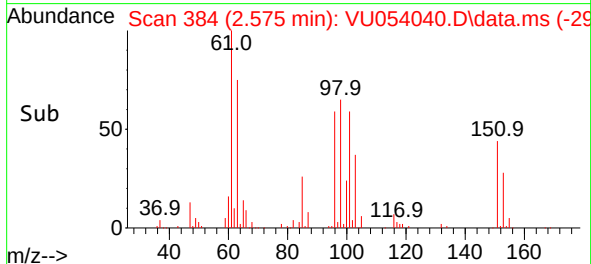
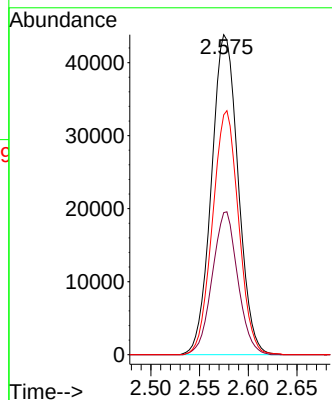
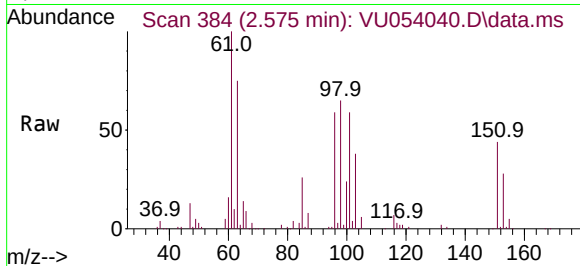




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.920 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.006 min
 Lab File: VU054040.D
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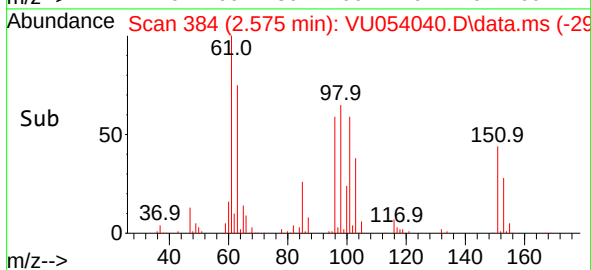
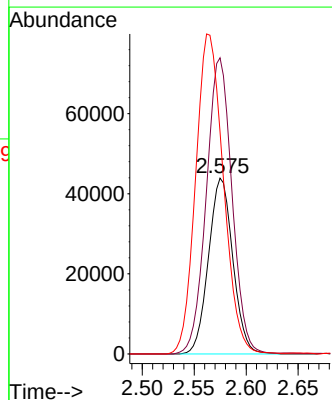
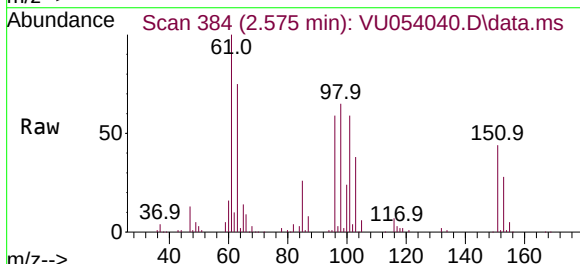
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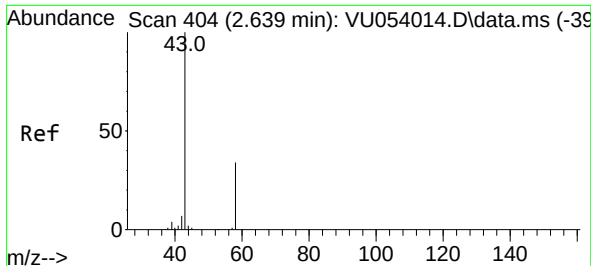
Tgt Ion:101 Resp: 83593
 Ion Ratio Lower Upper
 101 100
 85 42.6 34.3 51.5
 151 74.5 60.3 90.5



#12
 1,1-Dichloroethene
 Concen: 47.351 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU054040.D
 Acq: 01 May 2023 20:49

Tgt Ion: 96 Resp: 71583
 Ion Ratio Lower Upper
 96 100
 61 168.5 118.3 219.7
 63 126.3 92.3 171.5





#13

Acetone

Concen: 76.129 ug/L

RT: 2.626 min Scan# 40

Delta R.T. -0.013 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

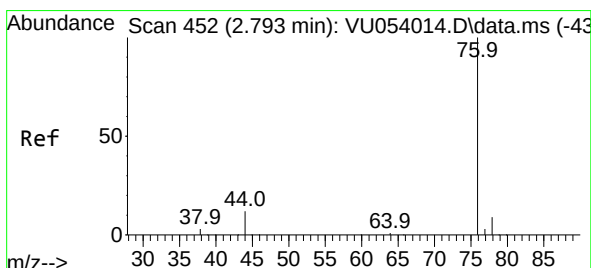
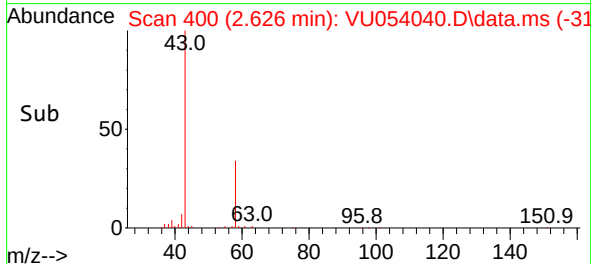
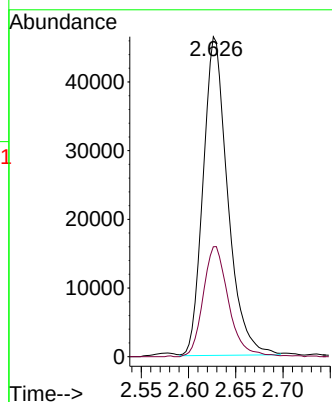
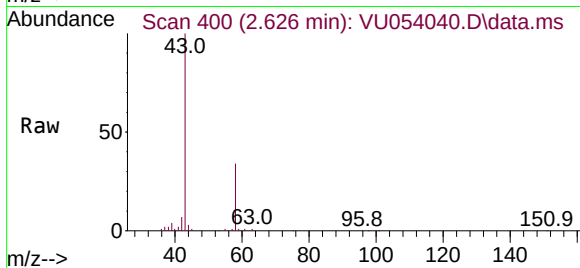
VSTD050086

Tgt Ion: 43 Resp: 84003

Ion Ratio Lower Upper

43 100

58 35.6 0.0 67.4



#14

Carbon disulfide

Concen: 46.330 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.006 min

Lab File: VU054040.D

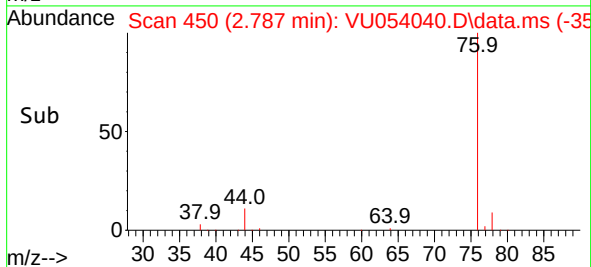
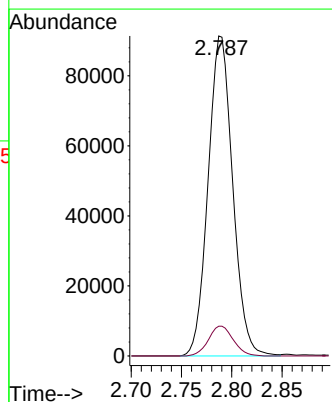
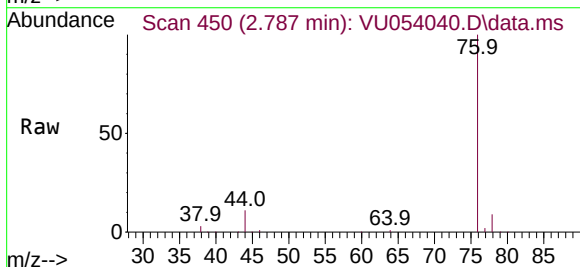
Acq: 01 May 2023 20:49

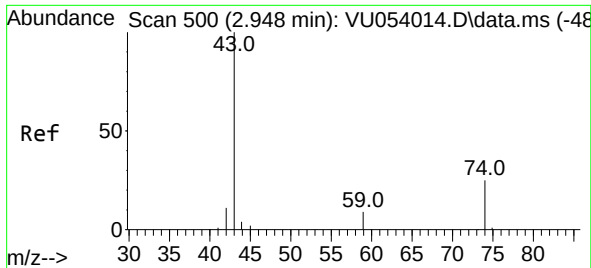
Tgt Ion: 76 Resp: 155454

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

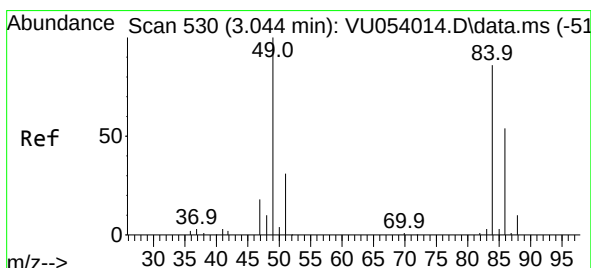
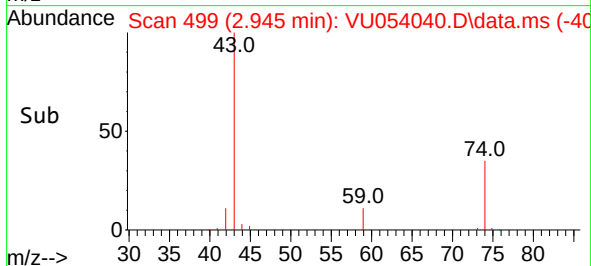
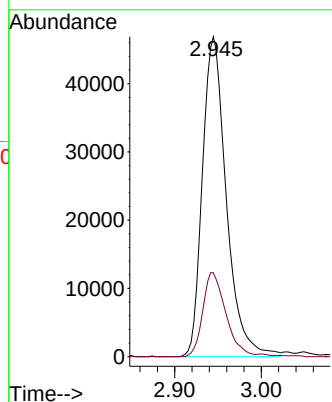
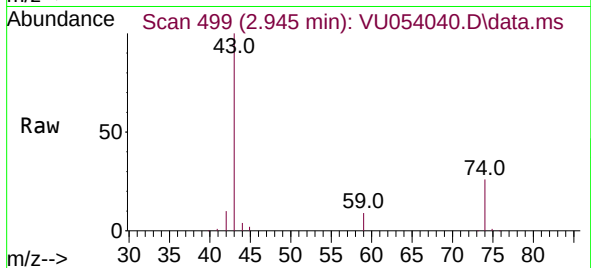




#15
Methyl Acetate
Concen: 52.137 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

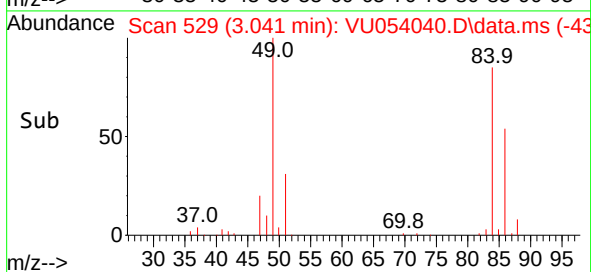
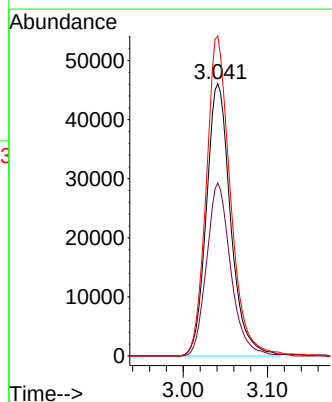
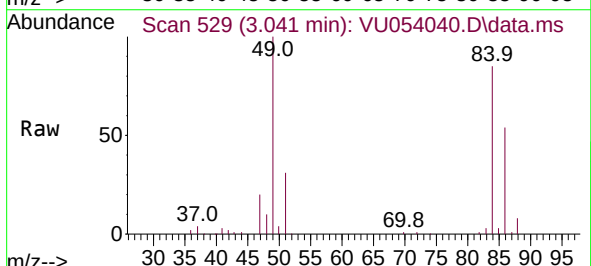
Instrument :
MSVOA_U
ClientSampleId :
VSTD050086

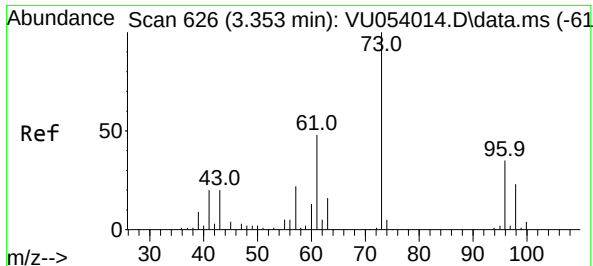
Tgt Ion: 43 Resp: 90095
Ion Ratio Lower Upper
43 100
74 25.1 21.2 31.8



#16
Methylene chloride
Concen: 48.338 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Tgt Ion: 84 Resp: 92162
Ion Ratio Lower Upper
84 100
86 63.5 45.8 85.2
49 117.5 83.0 154.2





#17

trans-1,2-Dichloroethene

Concen: 47.268 ug/L

RT: 3.346 min Scan# 61

Delta R.T. -0.006 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050086

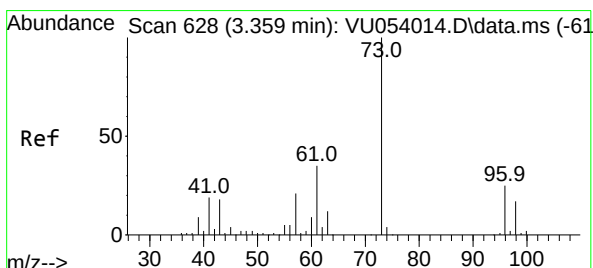
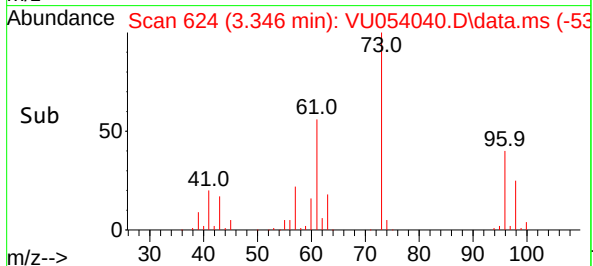
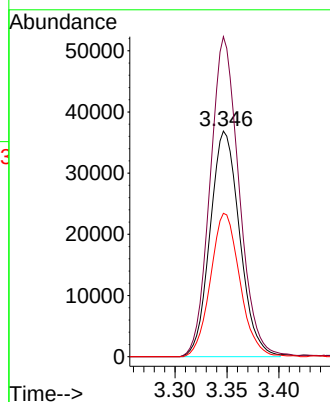
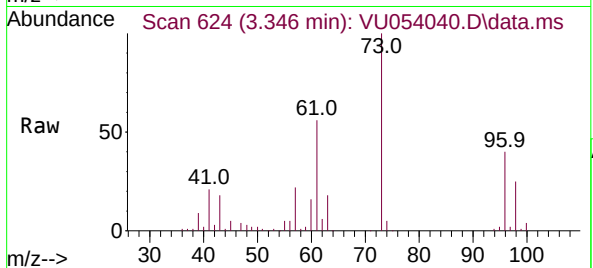
Tgt Ion: 96 Resp: 73069

Ion Ratio Lower Upper

96 100

61 141.9 97.5 181.1

98 63.5 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 48.444 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.003 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

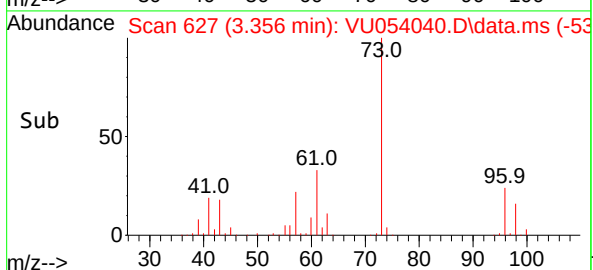
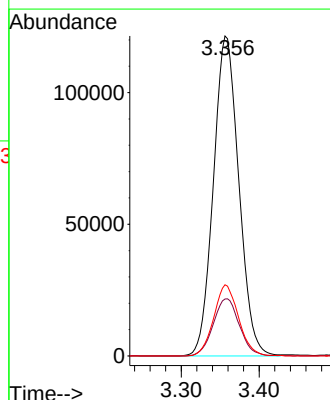
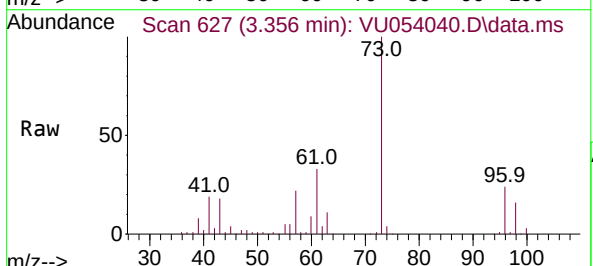
Tgt Ion: 73 Resp: 275311

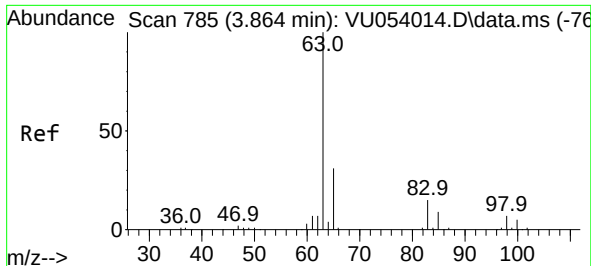
Ion Ratio Lower Upper

73 100

43 18.5 15.4 23.0

57 21.7 18.0 27.0





#19

1,1-Dichloroethane

Concen: 47.976 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050086

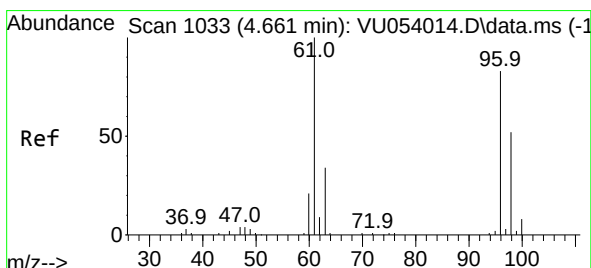
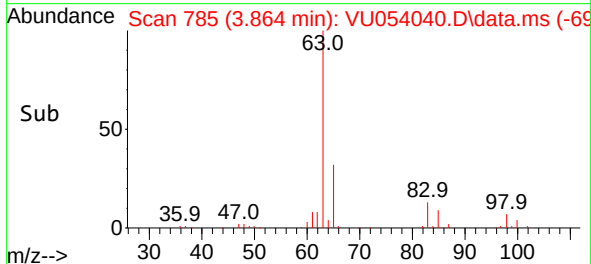
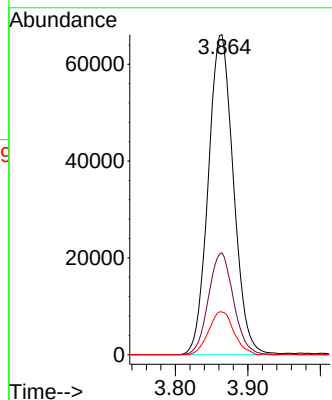
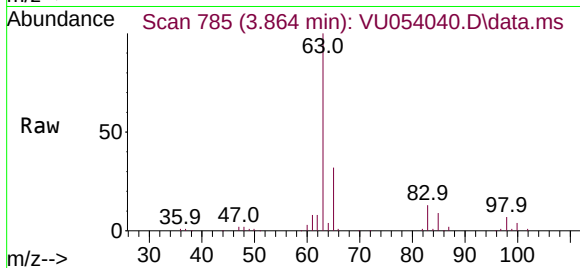
Tgt Ion: 63 Resp: 159235

Ion Ratio Lower Upper

63 100

65 31.8 22.0 40.8

83 13.4 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 46.899 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

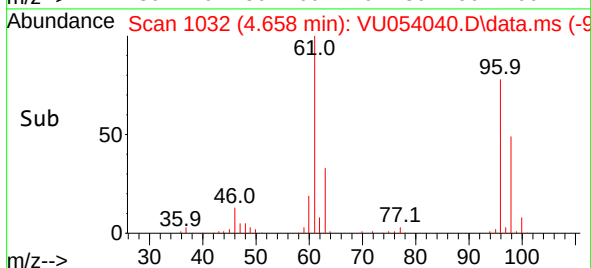
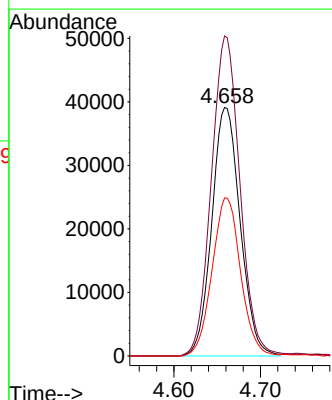
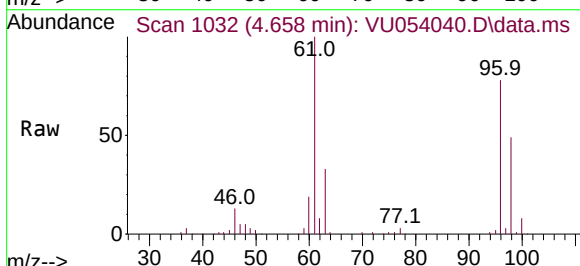
Tgt Ion: 96 Resp: 89091

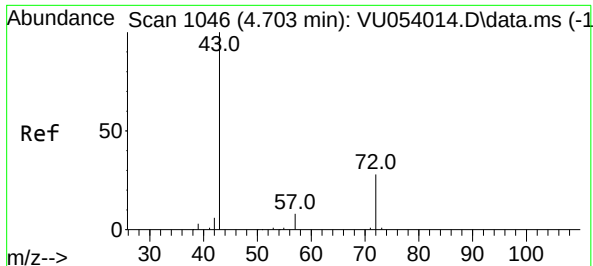
Ion Ratio Lower Upper

96 100

61 128.8 90.9 168.9

98 63.6 45.7 84.9





#22

2-Butanone

Concen: 97.402 ug/L

RT: 4.697 min Scan# 110

Delta R.T. -0.006 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

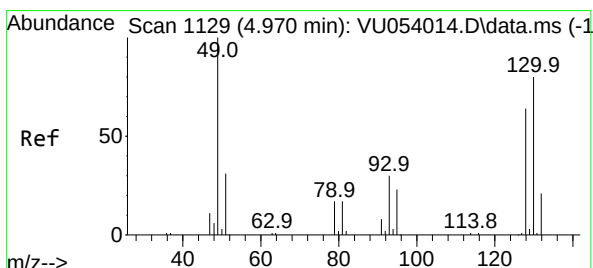
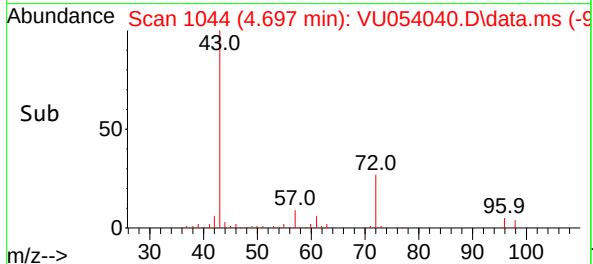
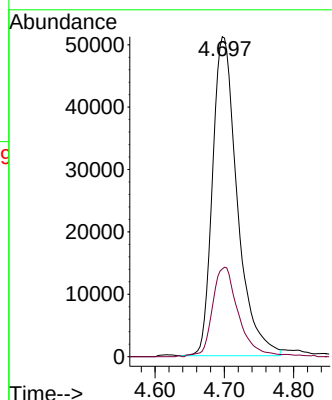
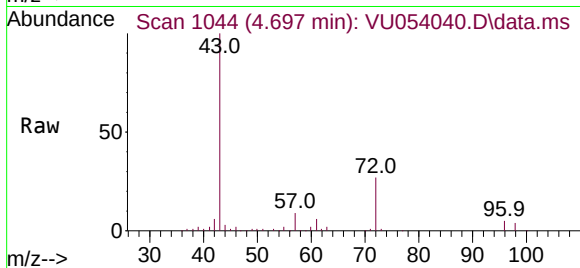
VSTD050086

Tgt Ion: 43 Resp: 126888

Ion Ratio Lower Upper

43 100

72 29.4 14.0 41.9



#23

Bromochloromethane

Concen: 48.226 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Tgt Ion:128 Resp: 47495

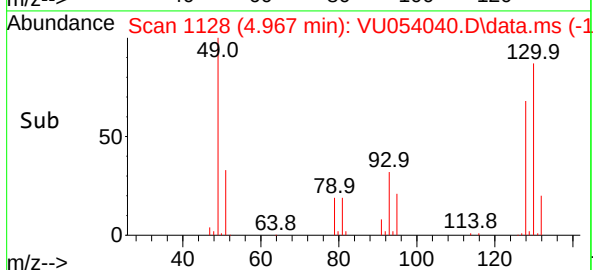
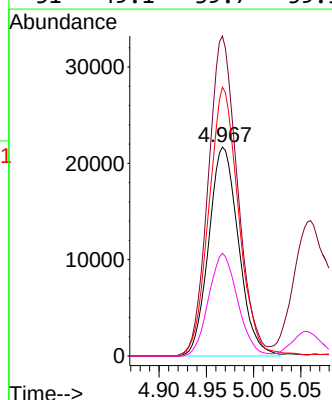
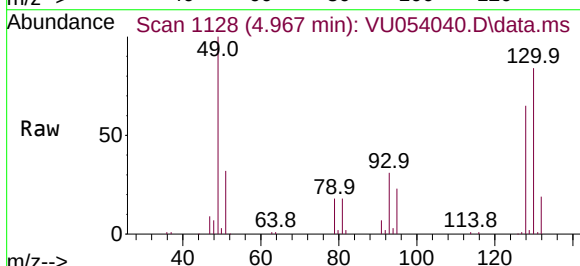
Ion Ratio Lower Upper

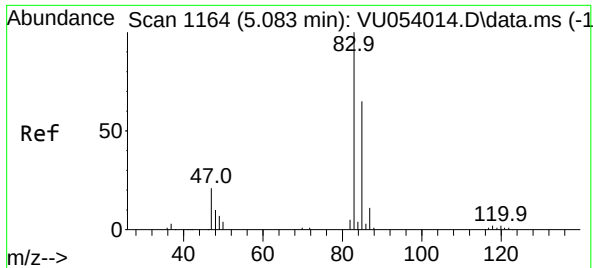
128 100

49 153.1 107.5 199.7

130 128.6 91.0 169.0

51 49.1 39.7 59.5





#25

Chloroform

Concen: 48.119 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

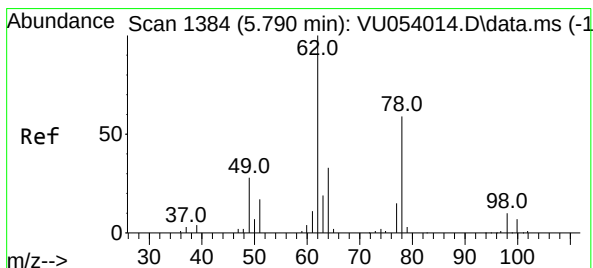
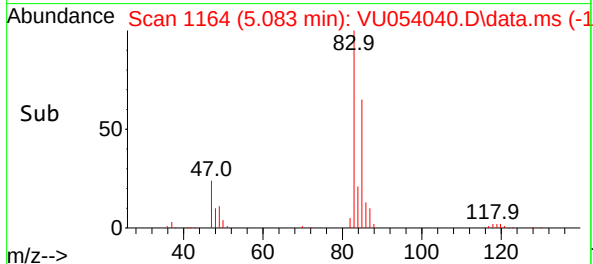
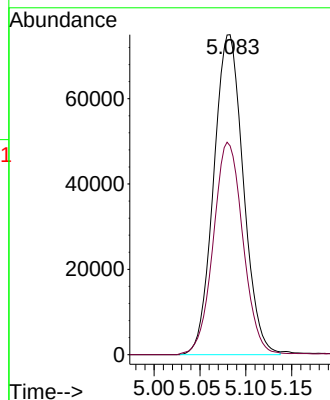
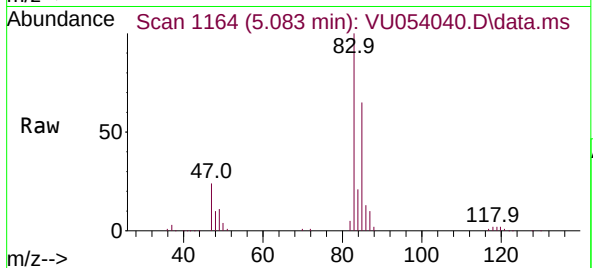
VSTD050086

Tgt Ion: 83 Resp: 168531

Ion Ratio Lower Upper

83 100

85 65.2 45.2 84.0



#27

1,2-Dichloroethane

Concen: 47.348 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU054040.D

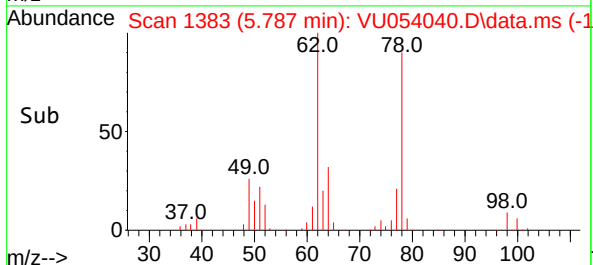
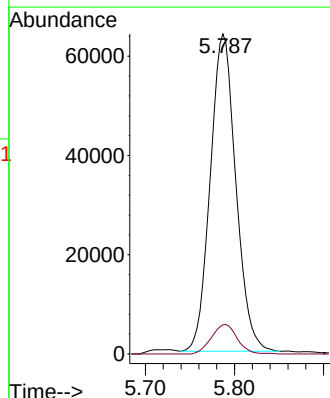
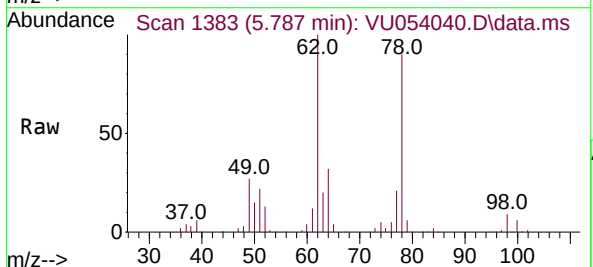
Acq: 01 May 2023 20:49

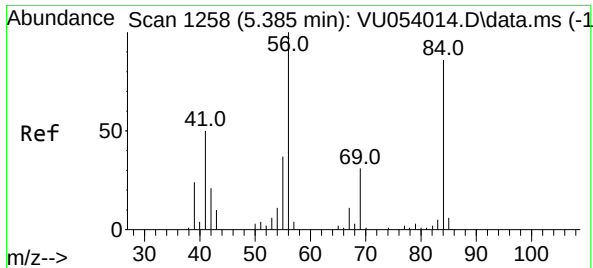
Tgt Ion: 62 Resp: 127556

Ion Ratio Lower Upper

62 100

98 9.1 8.0 12.0





#29

Cyclohexane

Concen: 44.891 ug/L

RT: 5.382 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050086

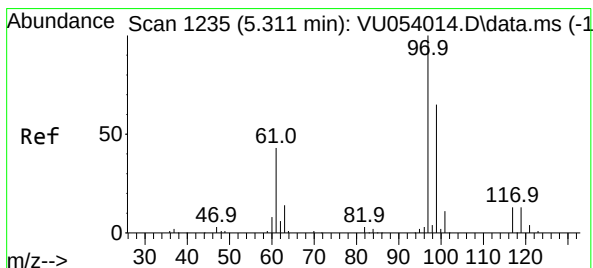
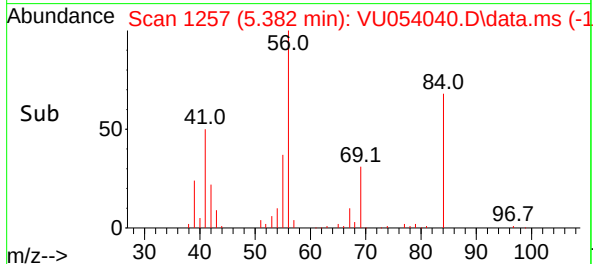
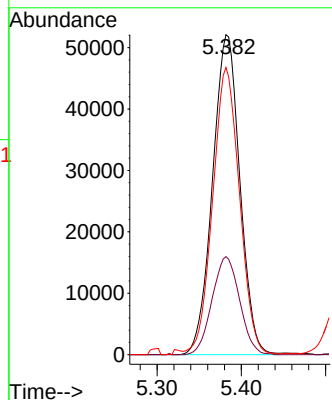
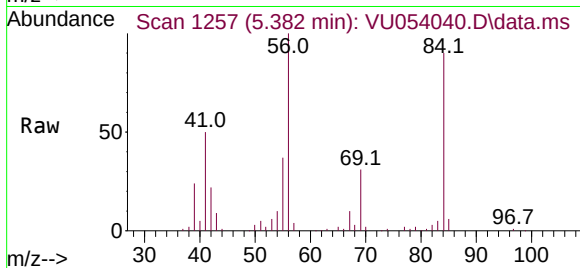
Tgt Ion: 56 Resp: 117253

Ion Ratio Lower Upper

56 100

69 30.8 25.8 38.6

84 88.2 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 45.268 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.003 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

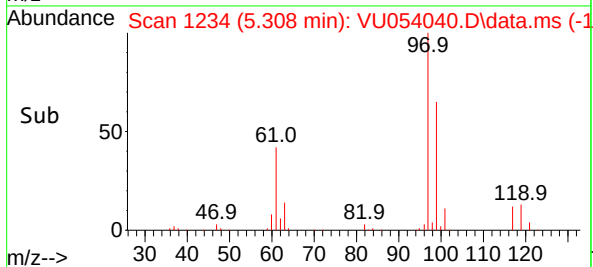
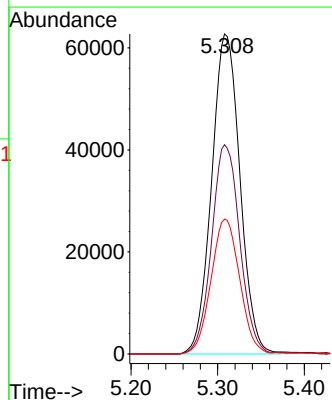
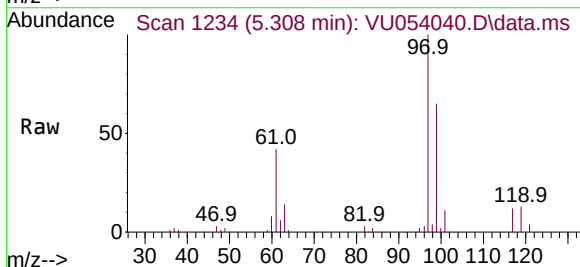
Tgt Ion: 97 Resp: 142598

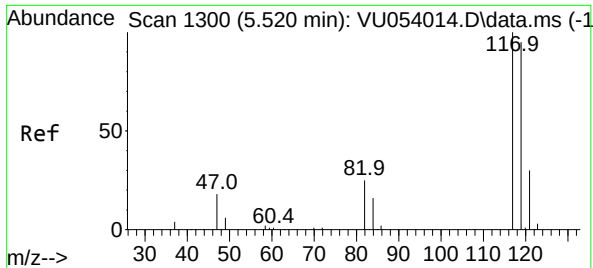
Ion Ratio Lower Upper

97 100

99 65.1 51.2 76.8

61 42.6 34.2 51.4

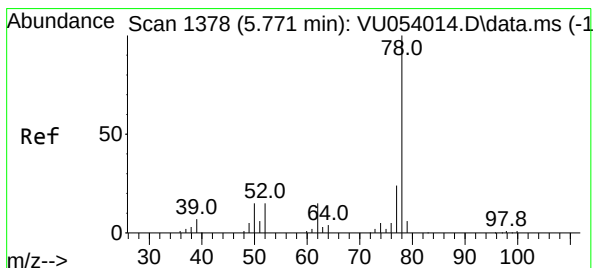
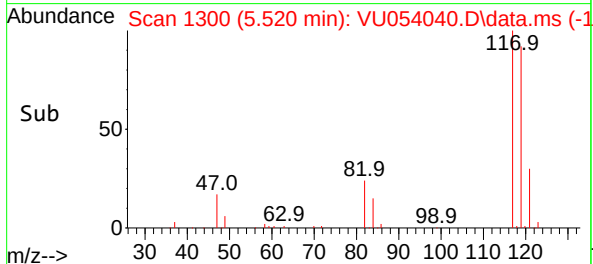
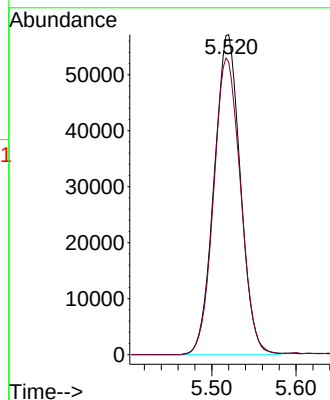
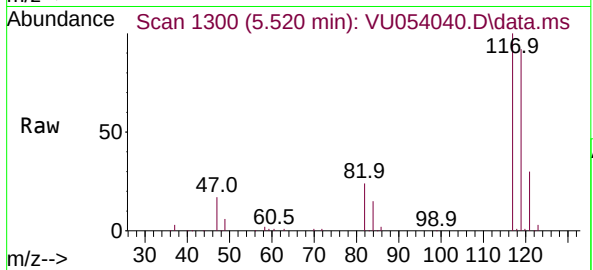




#31
Carbon tetrachloride
Concen: 45.986 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

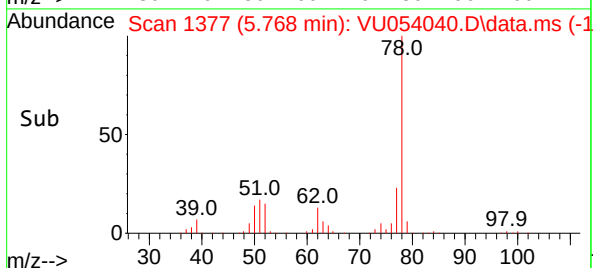
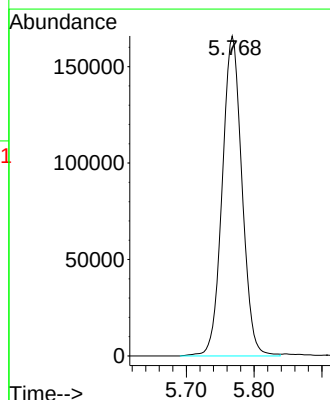
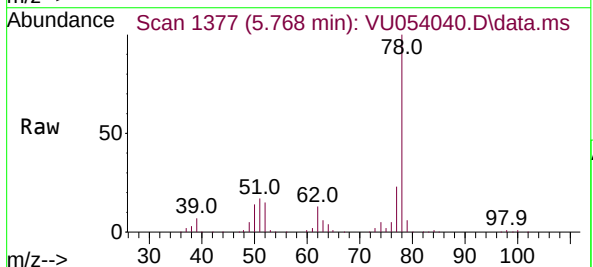
Instrument :
MSVOA_U
ClientSampleId :
VSTD050086

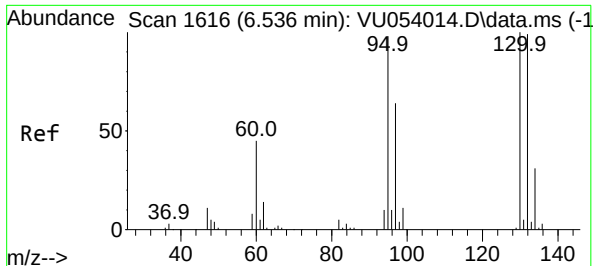
Tgt Ion:117 Resp: 123585
Ion Ratio Lower Upper
117 100
119 94.8 77.8 116.6



#33
Benzene
Concen: 45.652 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Tgt Ion: 78 Resp: 335823





#34

Trichloroethene

Concen: 45.142 ug/L

RT: 6.536 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050086

Tgt Ion: 95 Resp: 88134

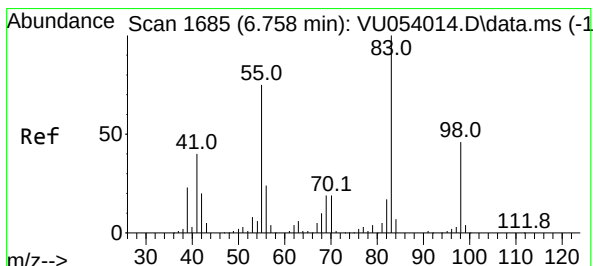
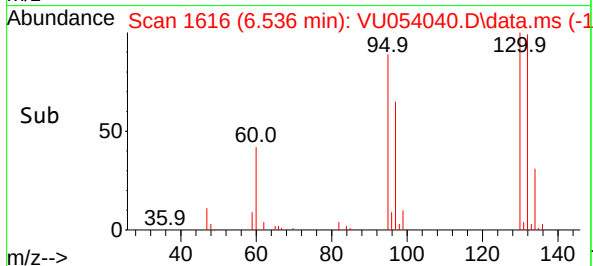
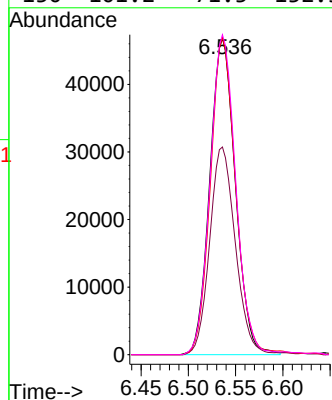
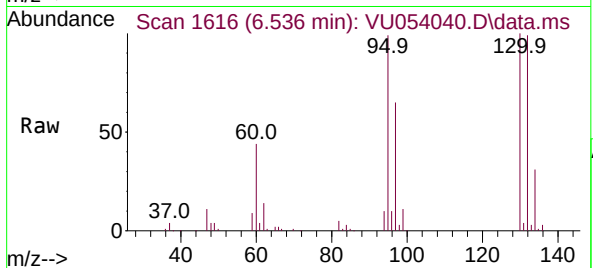
Ion Ratio Lower Upper

95 100

97 65.7 46.5 86.3

132 100.3 67.8 126.0

130 101.2 71.3 132.3



#35

Methylcyclohexane

Concen: 43.436 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

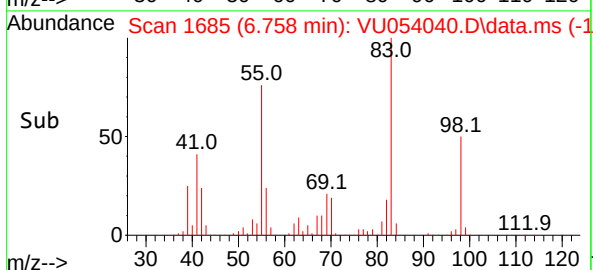
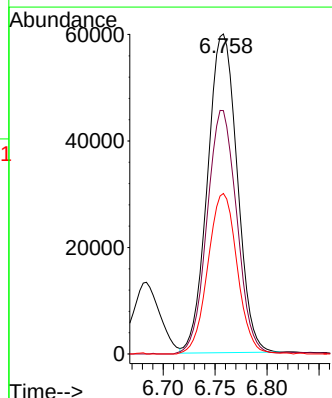
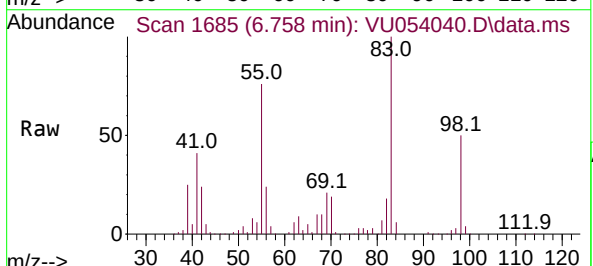
Tgt Ion: 83 Resp: 118936

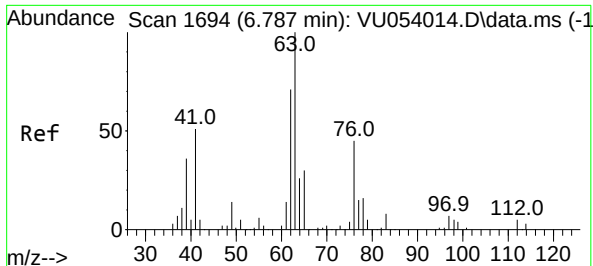
Ion Ratio Lower Upper

83 100

55 76.5 61.8 92.6

98 49.7 38.4 57.6

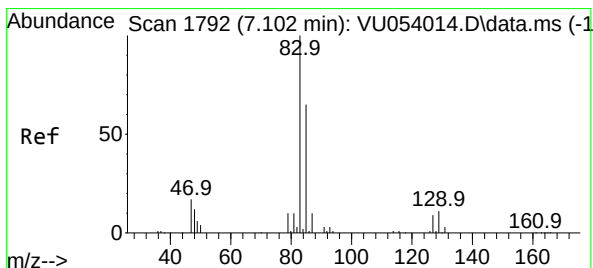
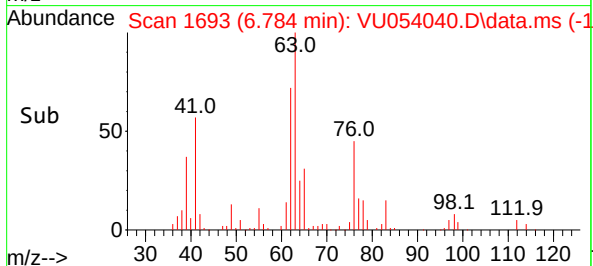
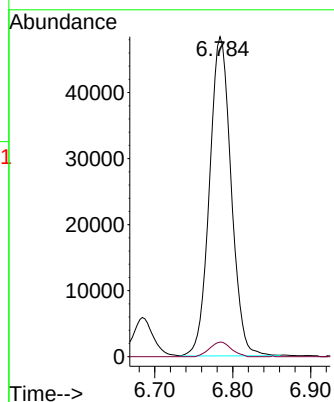
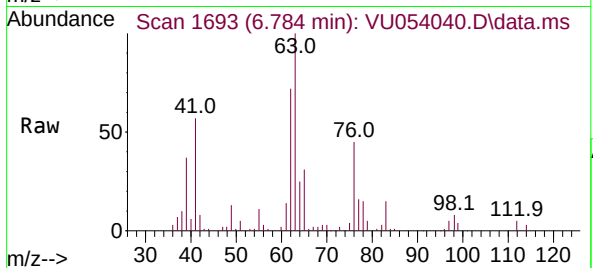




#37
1,2-Dichloropropane
Concen: 44.865 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

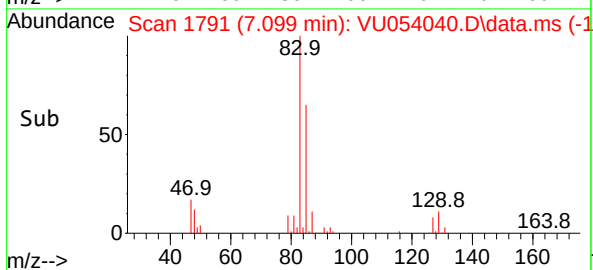
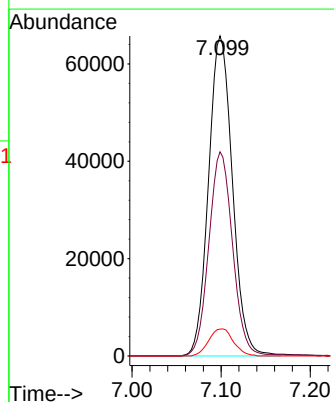
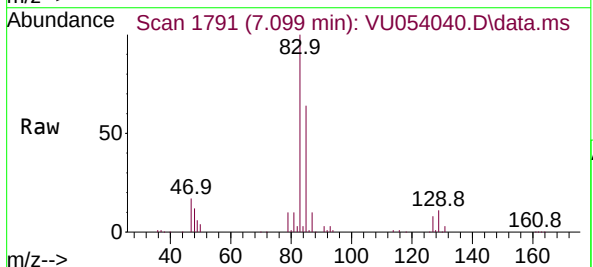
Instrument :
MSVOA_U
ClientSampleId :
VSTD050086

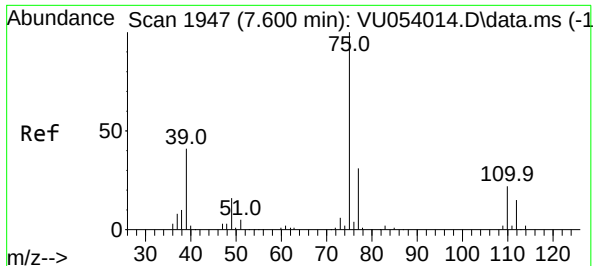
Tgt Ion: 63 Resp: 93372
Ion Ratio Lower Upper
63 100
112 4.6 3.4 5.0



#38
Bromodichloromethane
Concen: 46.789 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Tgt Ion: 83 Resp: 122681
Ion Ratio Lower Upper
83 100
85 63.8 45.0 83.6
127 8.4 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 44.875 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

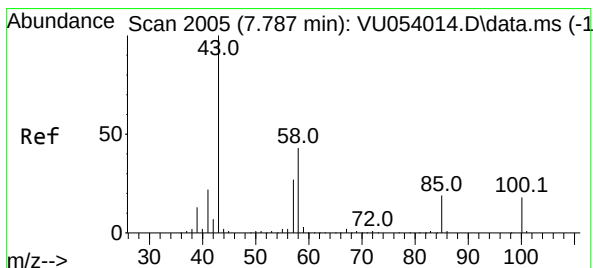
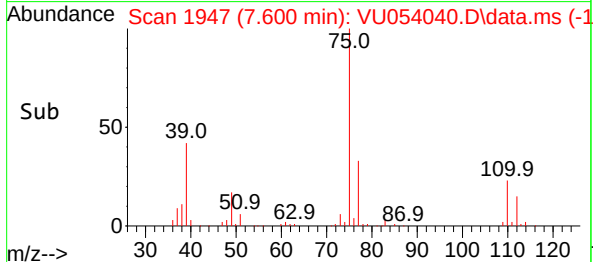
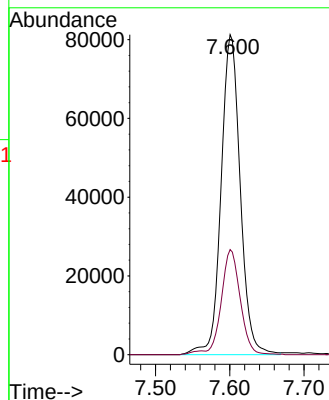
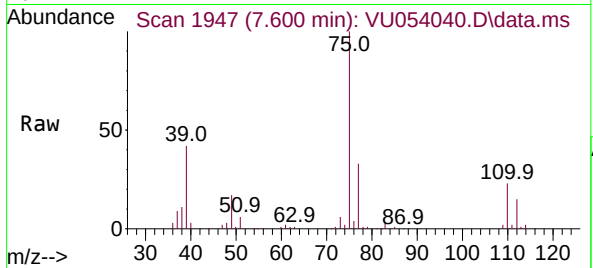
VSTD050086

Tgt Ion: 75 Resp: 146099

Ion Ratio Lower Upper

75 100

77 32.8 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 99.076 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. -0.003 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

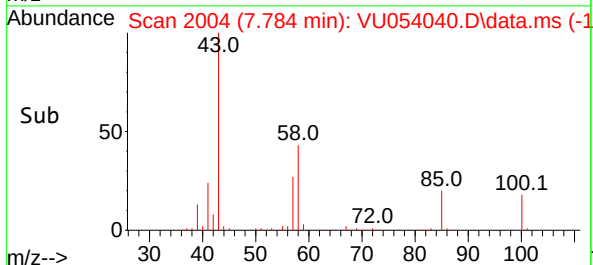
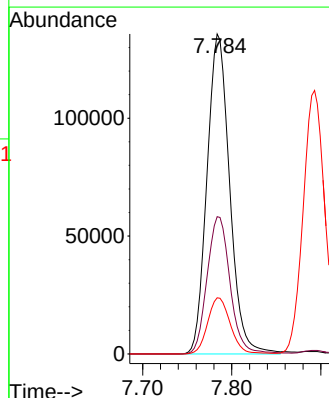
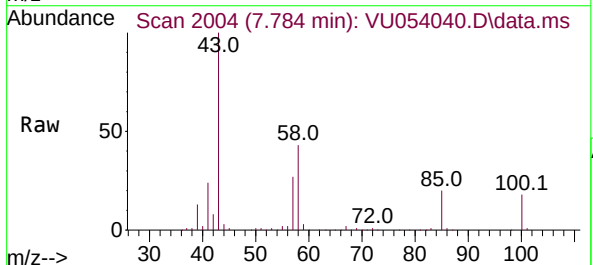
Tgt Ion: 43 Resp: 240293

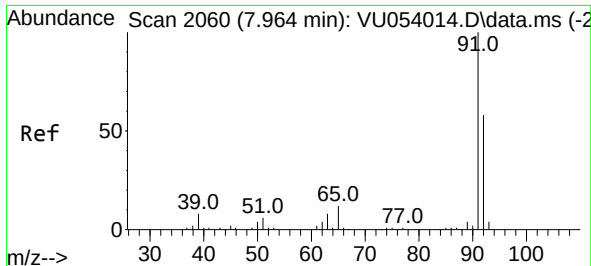
Ion Ratio Lower Upper

43 100

58 43.5 34.5 51.7

100 17.5 13.8 20.6





#42

Toluene

Concen: 46.538 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

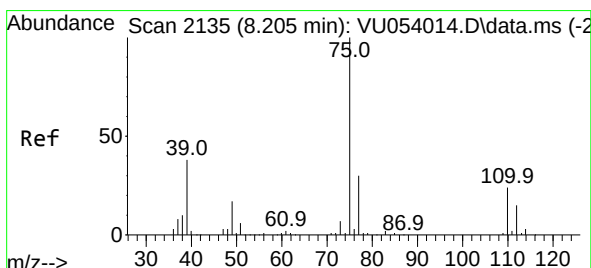
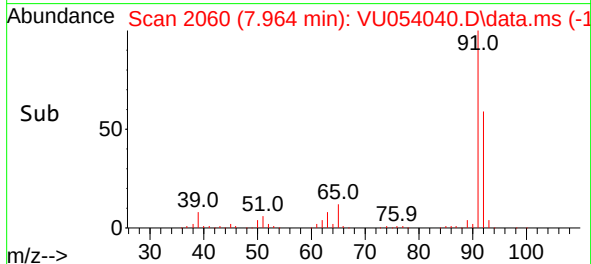
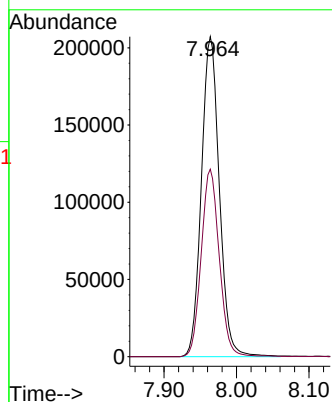
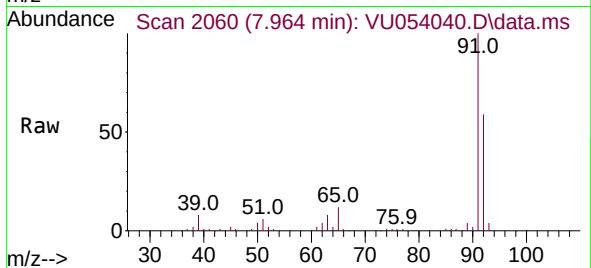
VSTD050086

Tgt Ion: 91 Resp: 356389

Ion Ratio Lower Upper

91 100

92 58.6 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 45.845 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU054040.D

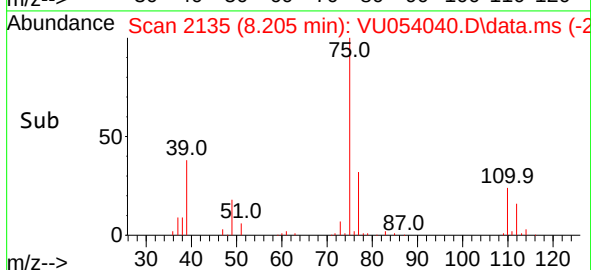
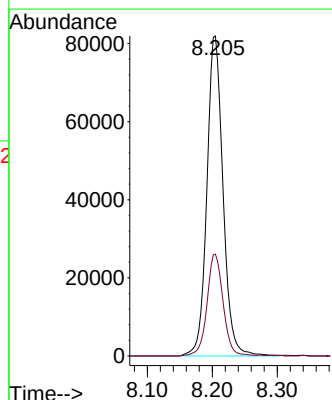
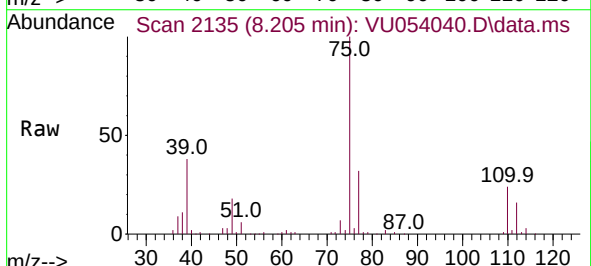
Acq: 01 May 2023 20:49

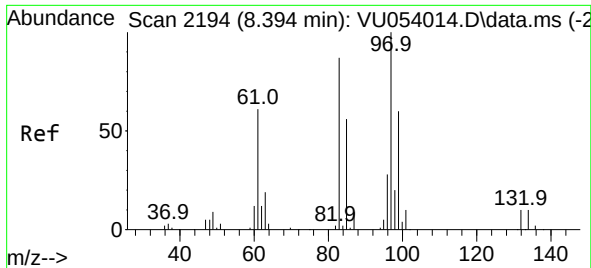
Tgt Ion: 75 Resp: 141846

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7

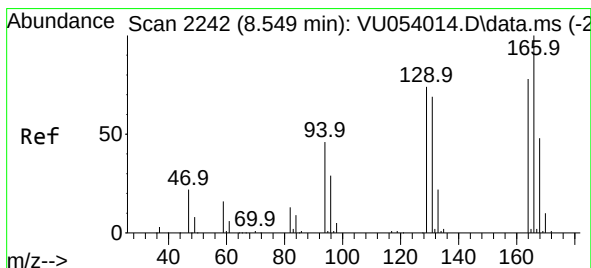
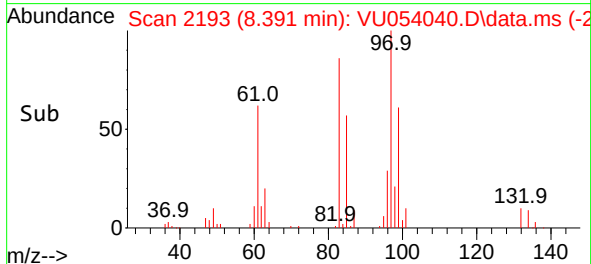
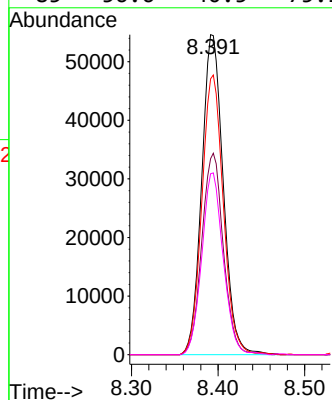
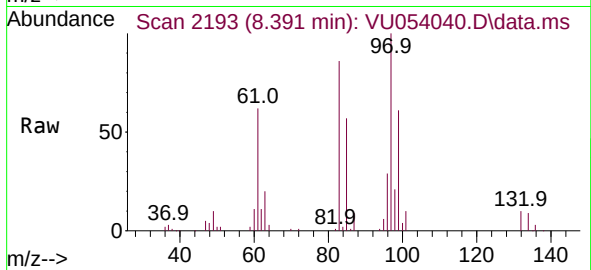




#45
1,1,2-Trichloroethane
Concen: 46.816 ug/L
RT: 8.391 min Scan# 2194
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

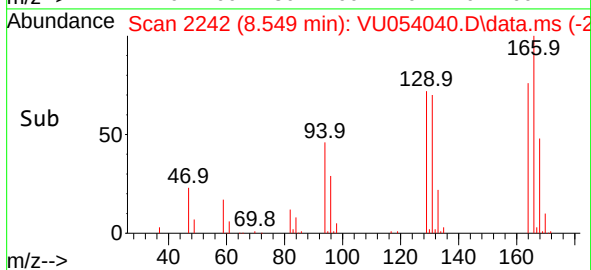
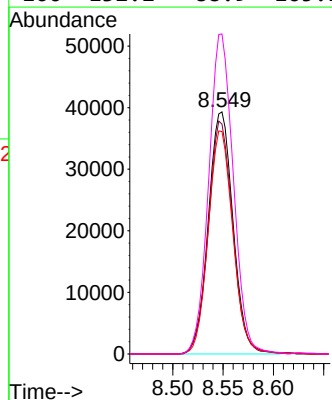
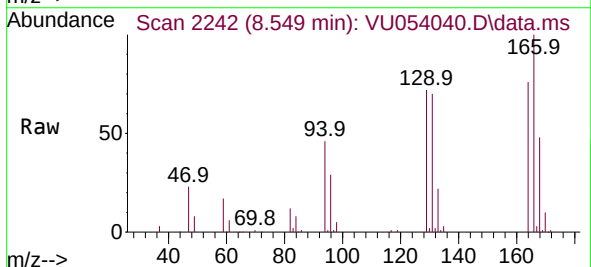
Instrument :
MSVOA_U
ClientSampleId :
VSTD050086

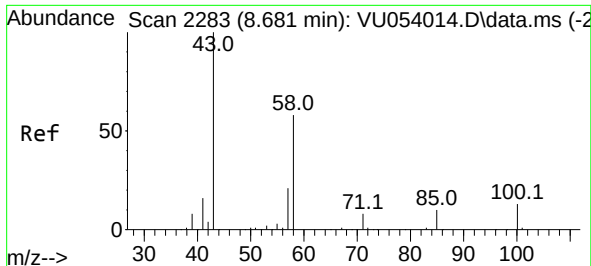
Tgt Ion:	97	Resp:	94307
Ion	Ratio	Lower	Upper
97	100		
99	61.2	46.2	85.8
83	86.2	62.7	116.5
85	56.6	40.5	75.1



#46
Tetrachloroethene
Concen: 43.598 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Tgt Ion:	164	Resp:	67530
Ion	Ratio	Lower	Upper
164	100		
129	95.0	65.6	121.8
131	91.9	63.8	118.4
166	132.2	88.9	165.1



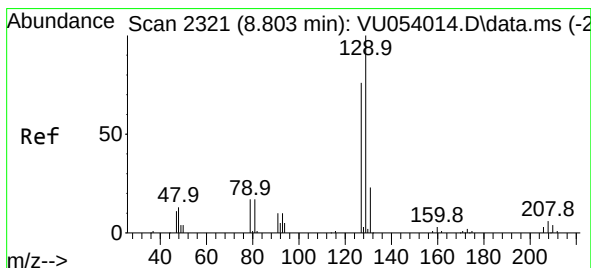
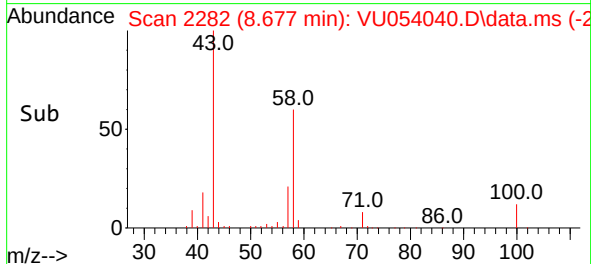
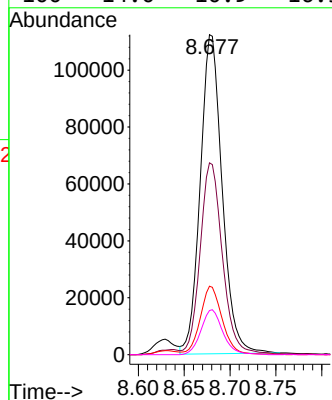
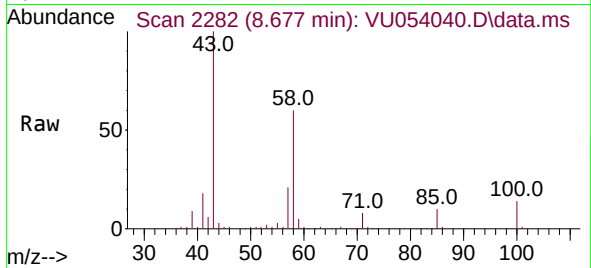


#48
2-Hexanone
Concen: 97.036 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD050086

Tgt Ion: 43 Resp: 186511

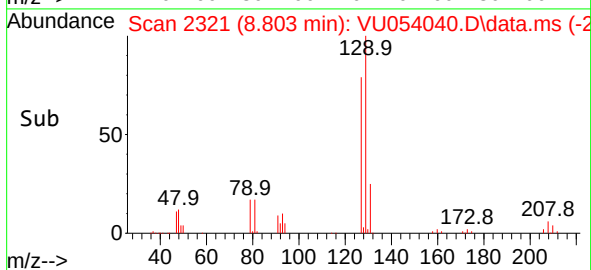
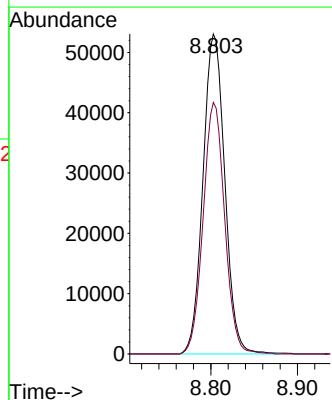
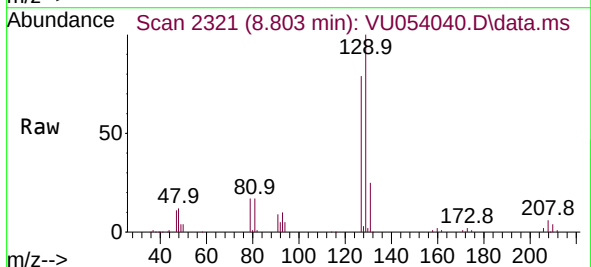
Ion	Ratio	Lower	Upper
43	100		
58	60.6	48.5	72.7
57	21.4	16.5	24.7
100	14.0	10.9	16.3

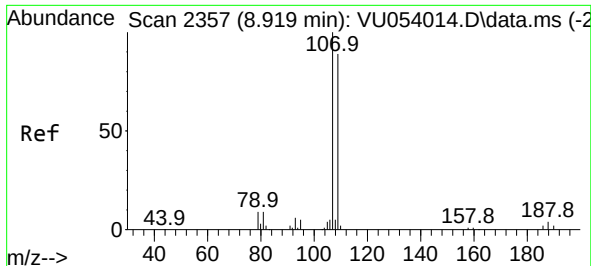


#49
Dibromochloromethane
Concen: 46.771 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. 0.000 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Tgt Ion: 129 Resp: 92840

Ion	Ratio	Lower	Upper
129	100		
127	78.6	52.9	98.3

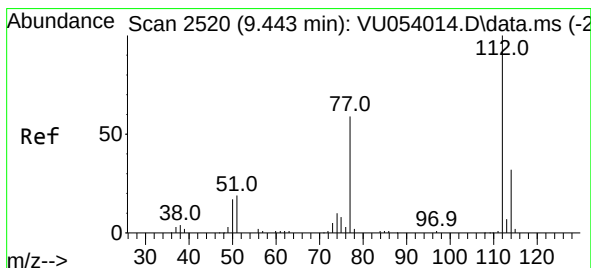
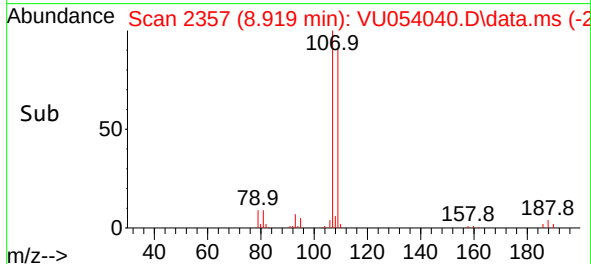
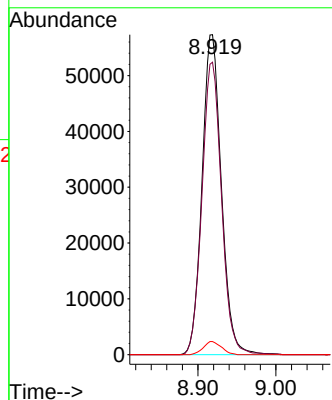
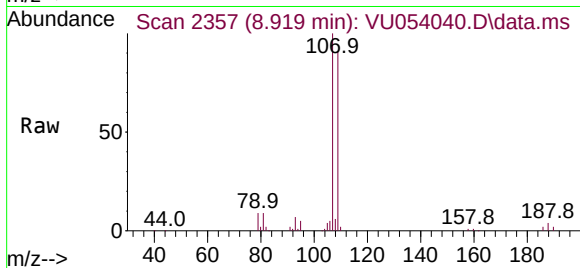




#50
1,2-Dibromoethane
Concen: 48.339 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

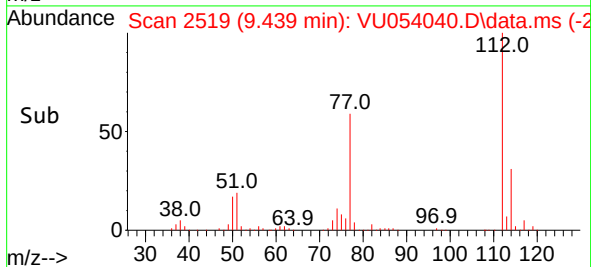
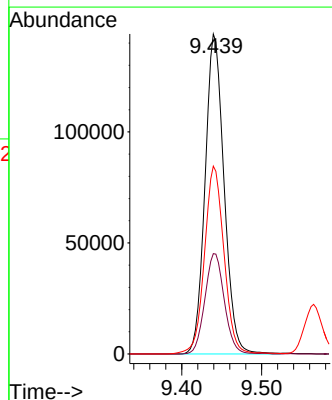
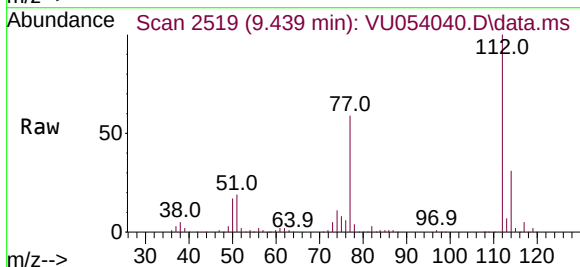
Instrument :
MSVOA_U
ClientSampleId :
VSTD050086

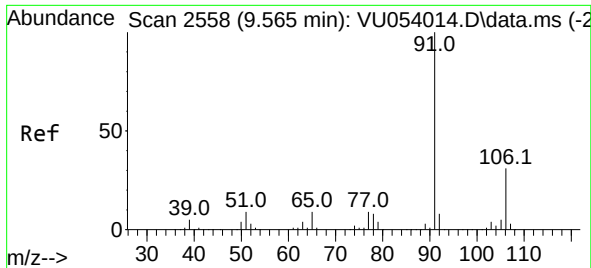
Tgt Ion:107 Resp: 98835
Ion Ratio Lower Upper
107 100
109 91.4 66.1 122.8
188 4.1 3.1 4.7



#51
Chlorobenzene
Concen: 46.565 ug/L
RT: 9.439 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Tgt Ion:112 Resp: 238508
Ion Ratio Lower Upper
112 100
114 31.3 22.3 41.3
77 58.7 47.0 70.4

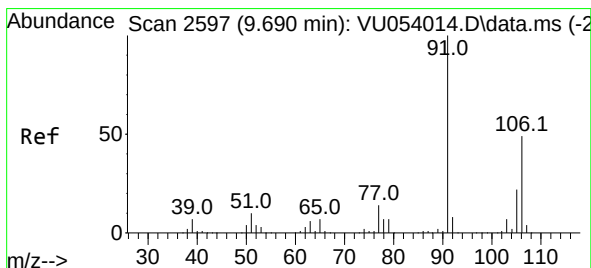
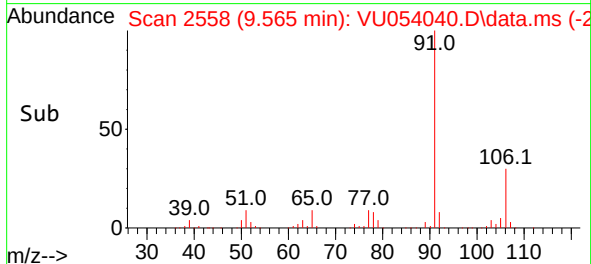
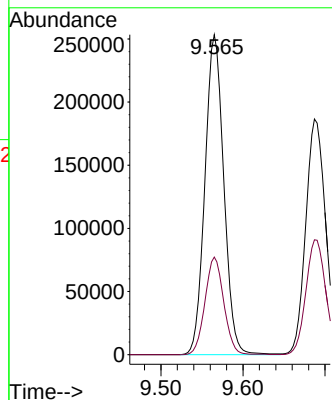
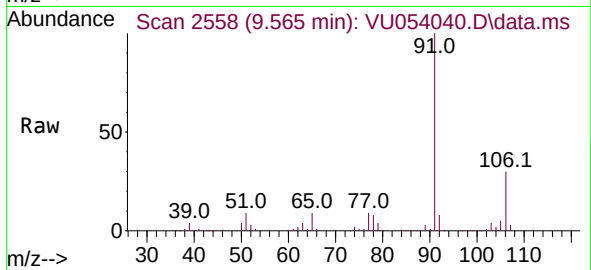




#52
Ethylbenzene
Concen: 47.011 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

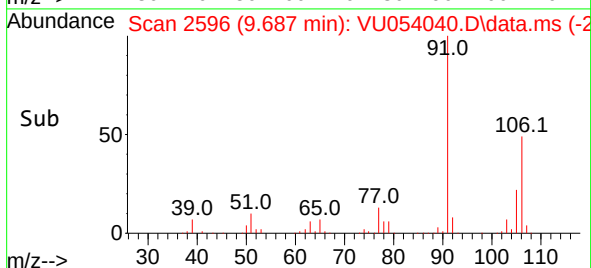
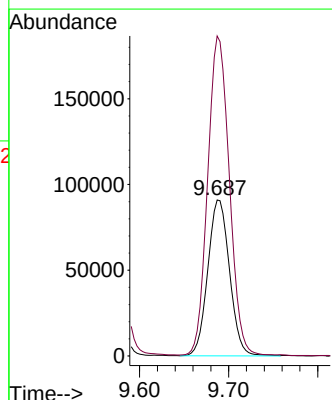
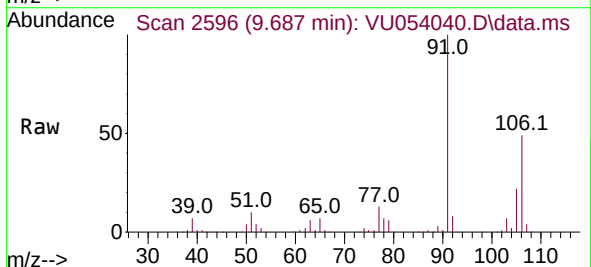
Instrument :
MSVOA_U
ClientSampleId :
VSTD050086

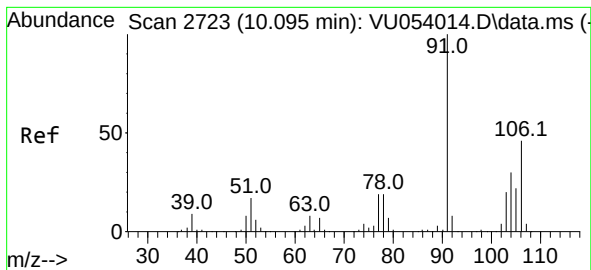
Tgt Ion: 91 Resp: 405187
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 47.493 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Tgt Ion: 106 Resp: 153710
Ion Ratio Lower Upper
106 100
91 205.1 140.5 260.9





#54

o-Xylene

Concen: 47.431 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

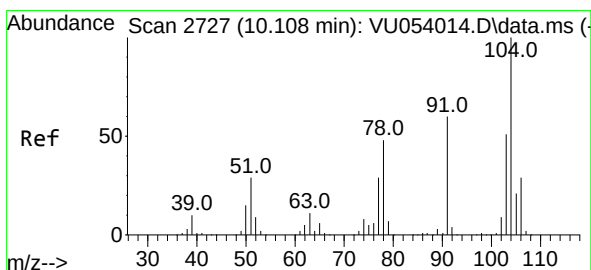
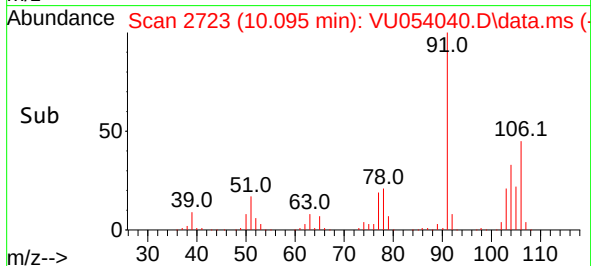
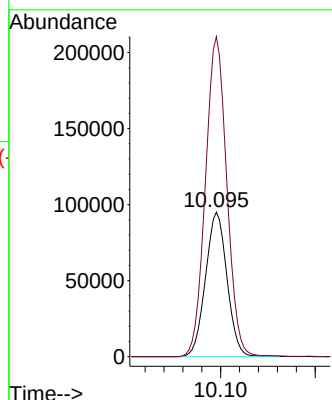
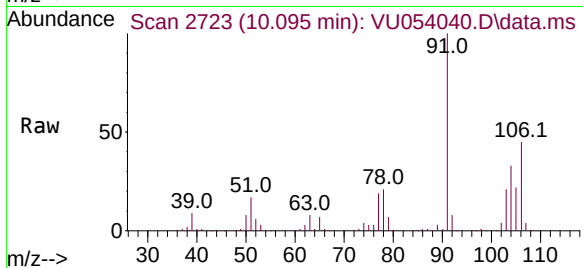
VSTD050086

Tgt Ion:106 Resp: 150181

Ion Ratio Lower Upper

106 100

91 221.4 154.9 287.7



#55

Styrene

Concen: 48.584 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU054040.D

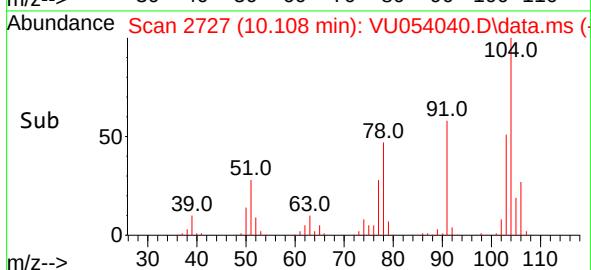
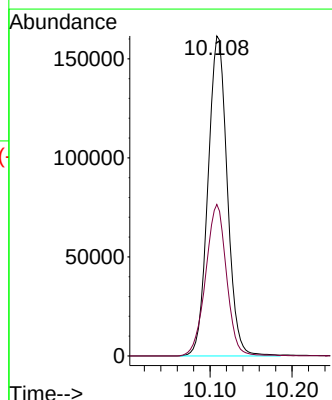
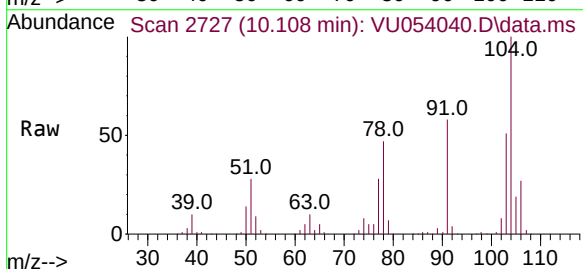
Acq: 01 May 2023 20:49

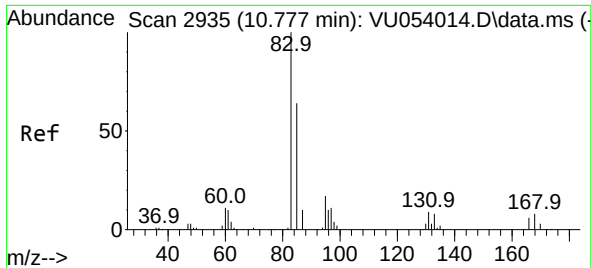
Tgt Ion:104 Resp: 263853

Ion Ratio Lower Upper

104 100

78 47.4 33.2 61.7

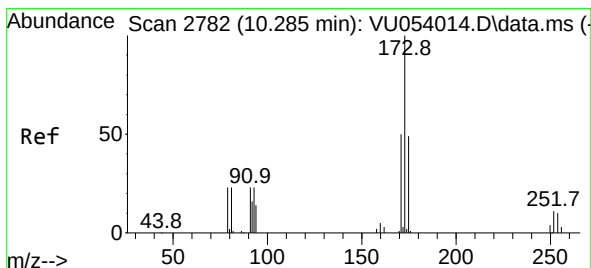
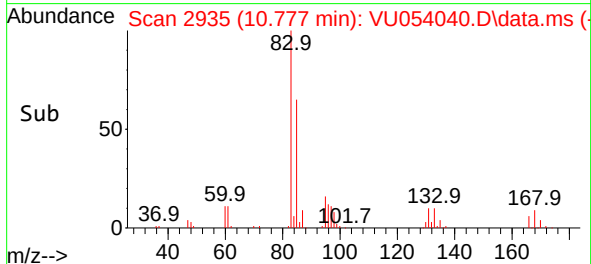
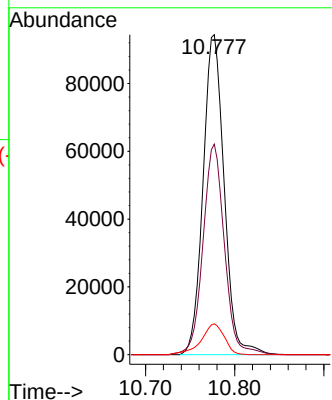
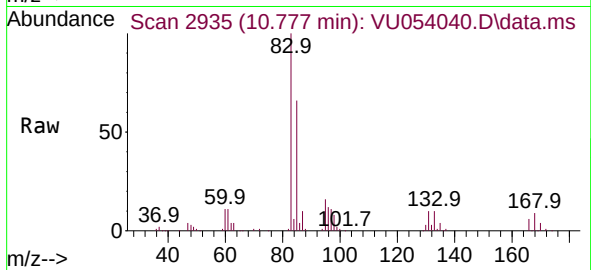




#57
1,1,2,2-Tetrachloroethane
Concen: 48.845 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

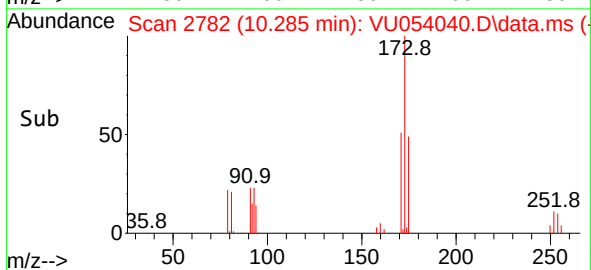
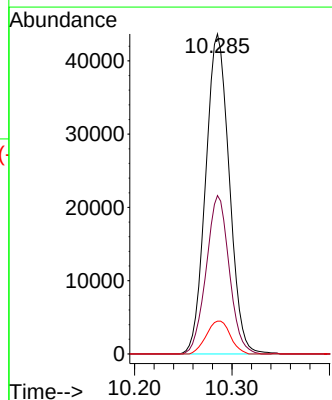
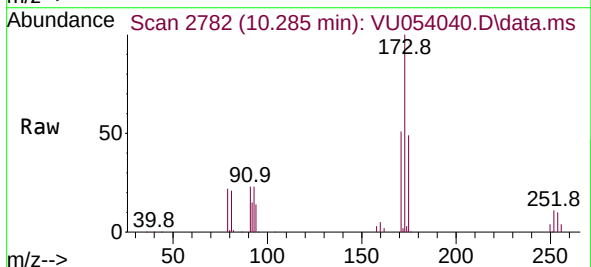
Instrument :
MSVOA_U
ClientSampleId :
VSTD050086

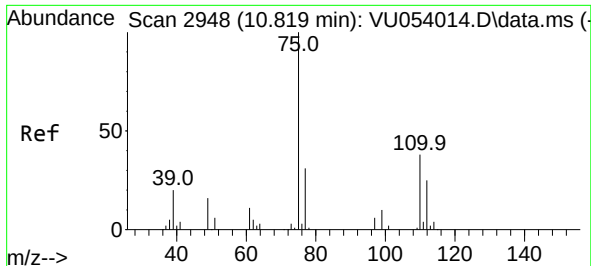
Tgt Ion: 83 Resp: 154997
Ion Ratio Lower Upper
83 100
85 65.8 45.1 83.9
131 9.6 8.2 12.2



#59
Bromoform
Concen: 46.793 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Tgt Ion:173 Resp: 73389
Ion Ratio Lower Upper
173 100
175 48.3 38.9 58.3
254 10.5 8.5 12.7

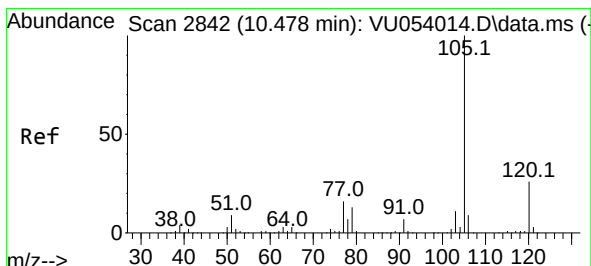
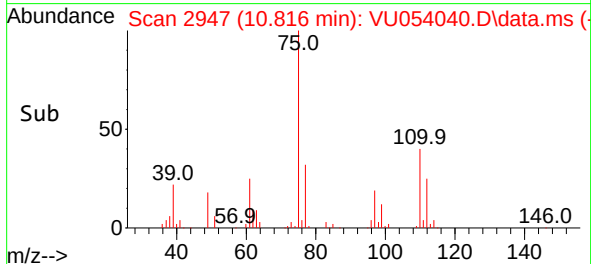
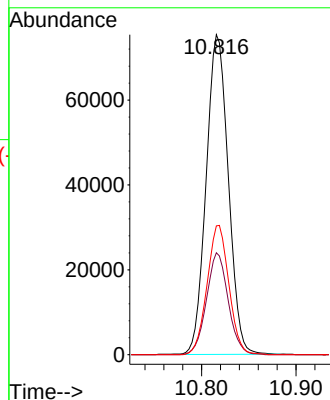
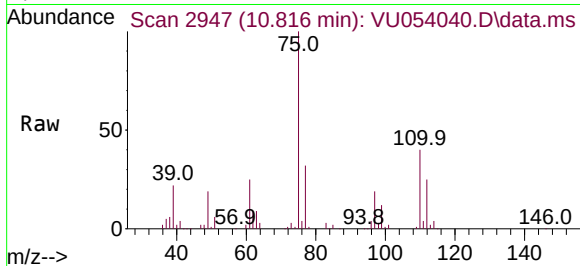




#60
1,2,3-Trichloropropane
Concen: 47.113 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. -0.003 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

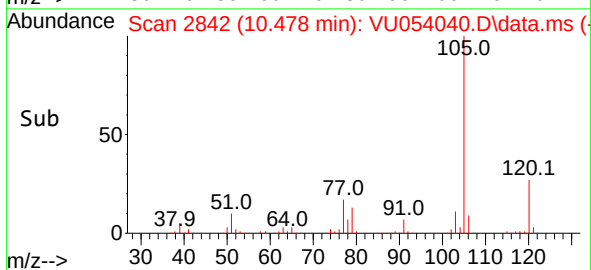
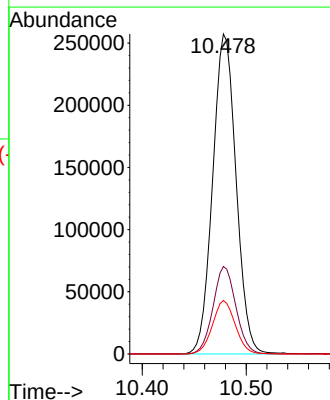
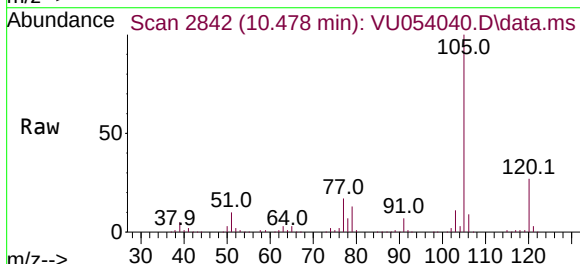
Instrument :
MSVOA_U
ClientSampleId :
VSTD050086

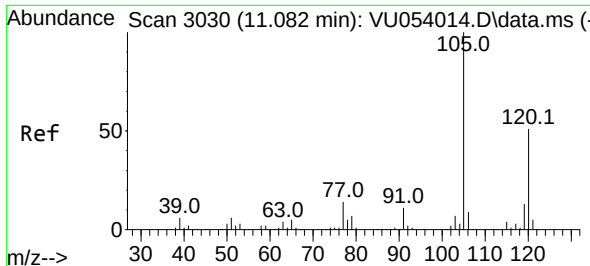
Tgt Ion:	75	Resp:	122594
Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.0	39.0
110	39.8	31.8	47.8



#61
Isopropylbenzene
Concen: 45.534 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Tgt Ion:	105	Resp:	402668
Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.3	31.9
77	16.2	12.7	19.1





#62

1,3,5-Trimethylbenzene

Concen: 46.458 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

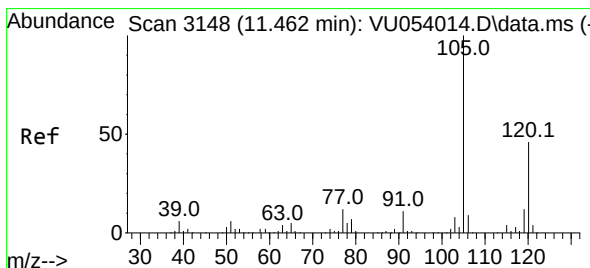
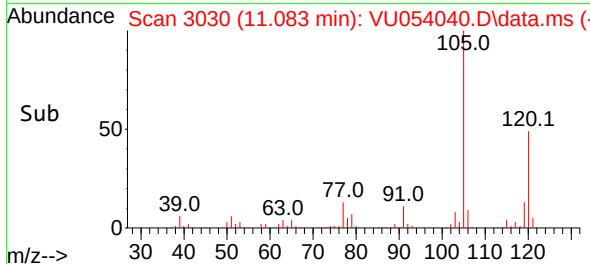
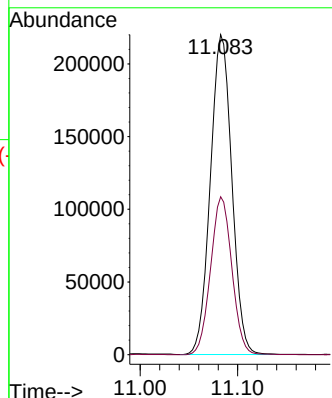
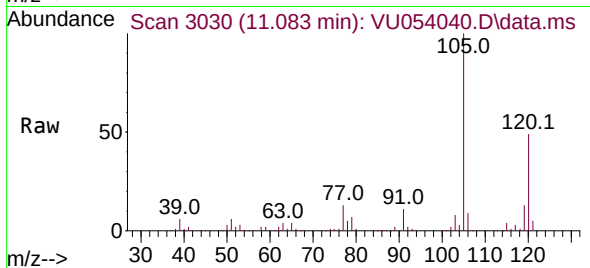
VSTD050086

Tgt Ion:105 Resp: 336659

Ion Ratio Lower Upper

105 100

120 48.9 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 46.229 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU054040.D

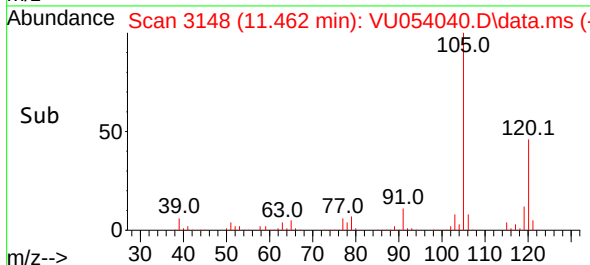
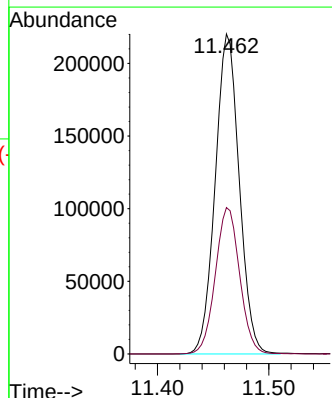
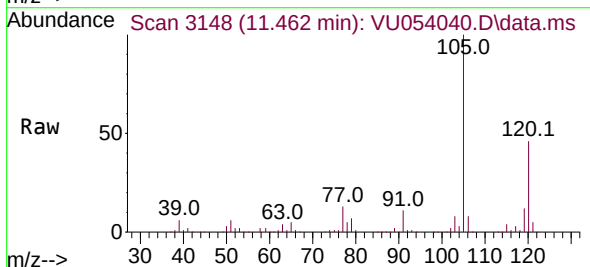
Acq: 01 May 2023 20:49

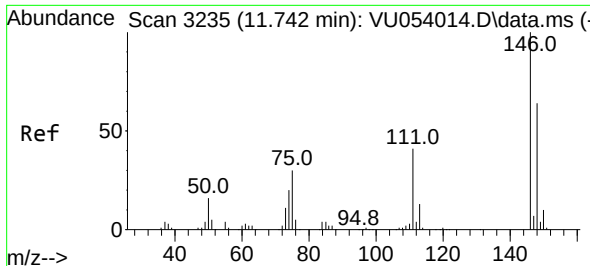
Tgt Ion:105 Resp: 330198

Ion Ratio Lower Upper

105 100

120 46.3 36.5 54.7

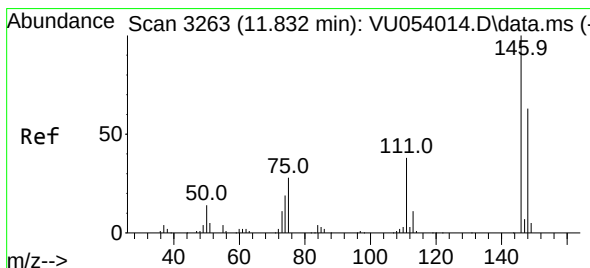
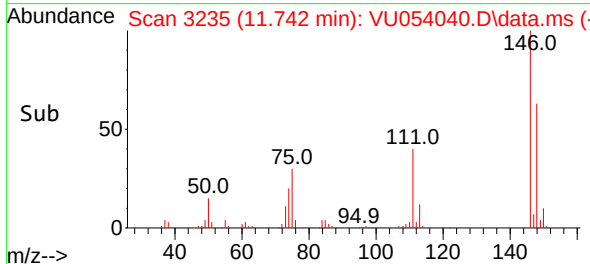
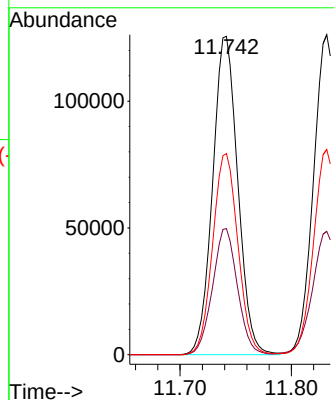
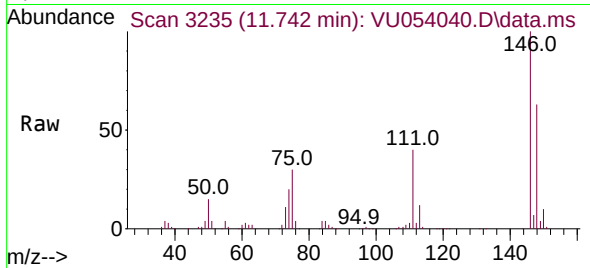




#64
1,3-Dichlorobenzene
Concen: 45.600 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

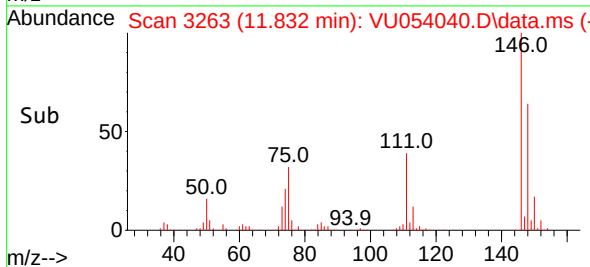
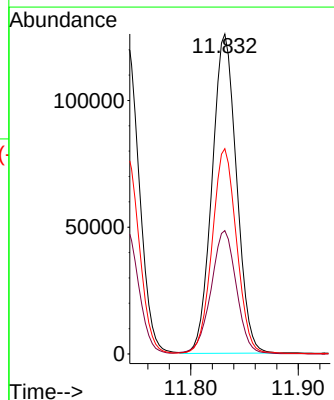
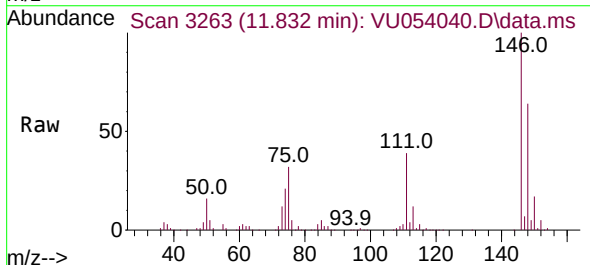
Instrument :
MSVOA_U
ClientSampleId :
VSTD050086

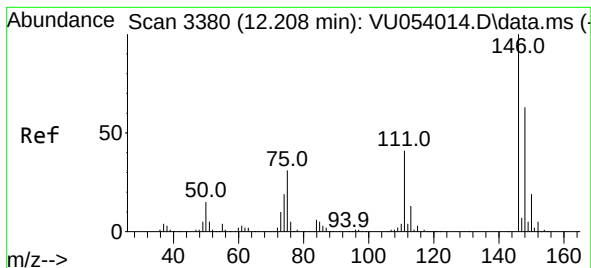
Tgt Ion:146 Resp: 197221
Ion Ratio Lower Upper
146 100
111 39.6 27.9 51.7
148 63.2 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 45.158 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054040.D
Acq: 01 May 2023 20:49

Tgt Ion:146 Resp: 198912
Ion Ratio Lower Upper
146 100
111 38.5 27.9 51.7
148 64.2 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 45.722 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050086

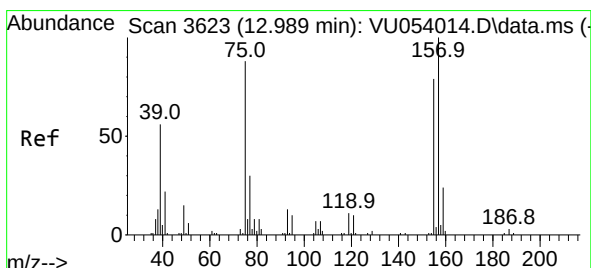
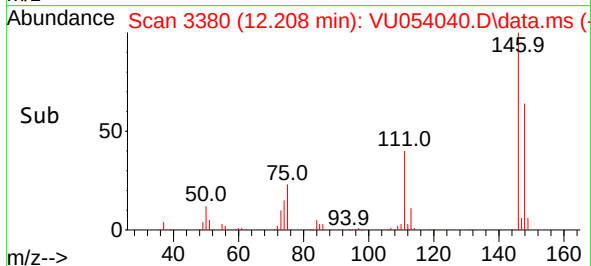
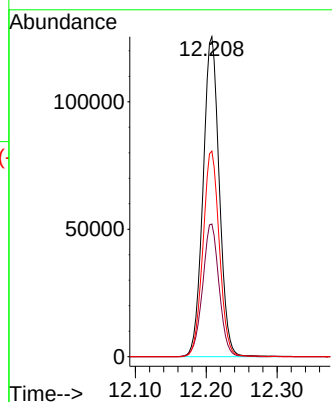
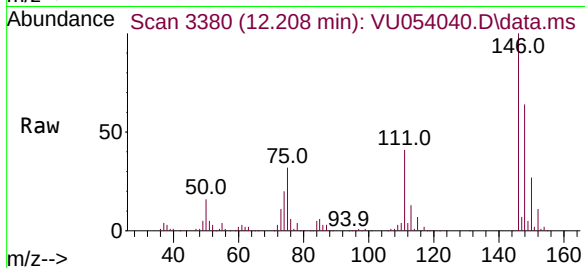
Tgt Ion:146 Resp: 199577

Ion Ratio Lower Upper

146 100

111 41.5 33.4 50.0

148 64.2 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 49.261 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

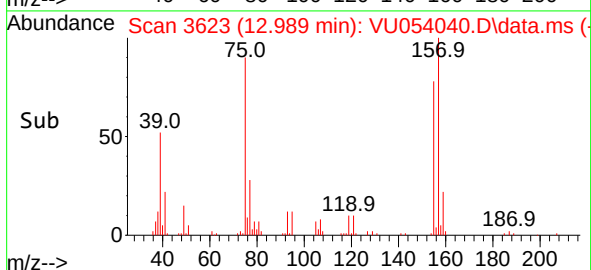
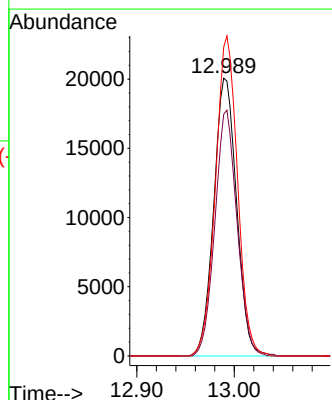
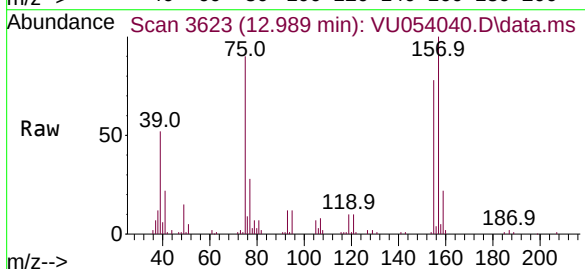
Tgt Ion: 75 Resp: 32702

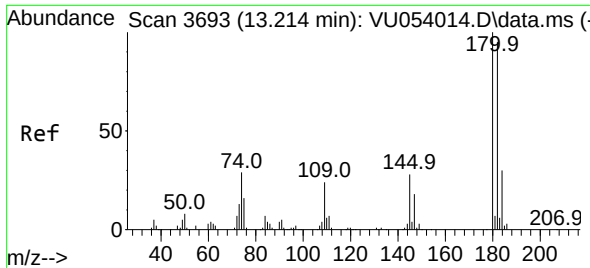
Ion Ratio Lower Upper

75 100

155 87.0 67.8 101.6

157 111.2 88.3 132.5



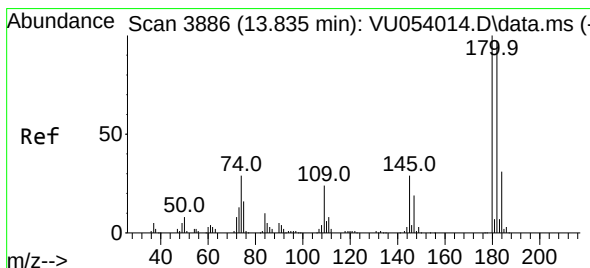
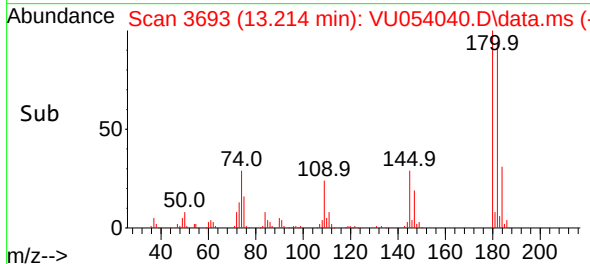
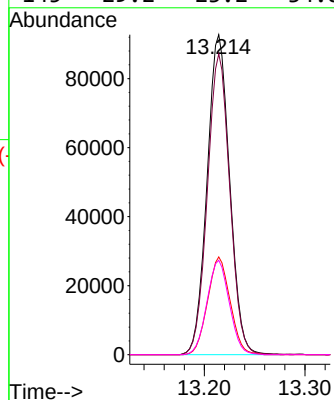
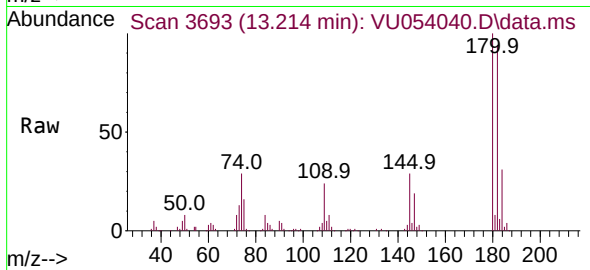


#69
 1,3,5-Trichlorobenzene
 Concen: 46.105 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU054040.D
 Acq: 01 May 2023 20:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050086

Tgt Ion:180 Resp: 144495

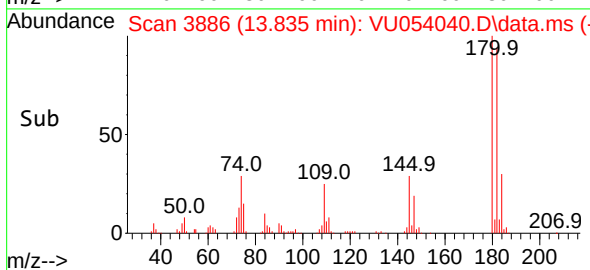
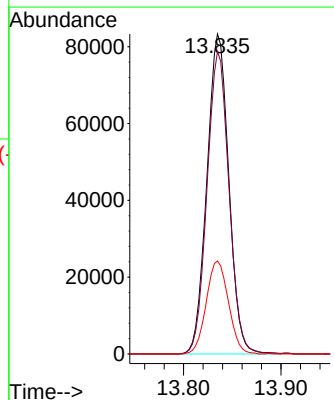
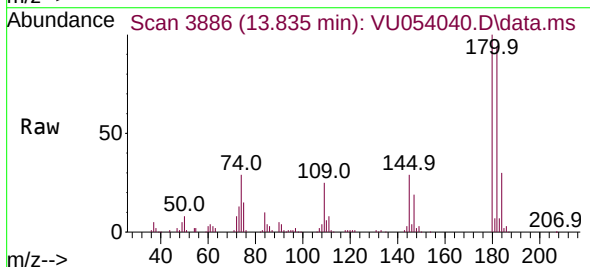
Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.0	114.0
184	30.4	24.2	36.2
145	29.2	23.2	34.8

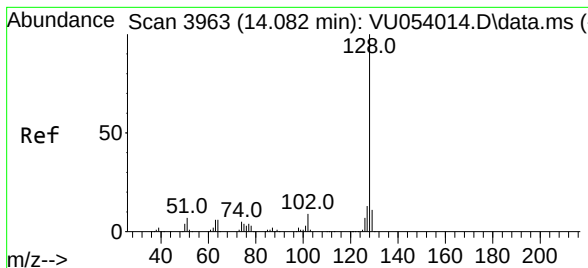


#70
 1,2,4-trichlorobenzene
 Concen: 45.782 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU054040.D
 Acq: 01 May 2023 20:49

Tgt Ion:180 Resp: 130077

Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.4	116.2
145	29.5	23.8	35.8





#71

Naphthalene

Concen: 48.623 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD050086

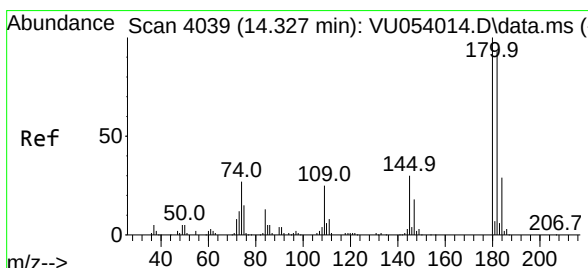
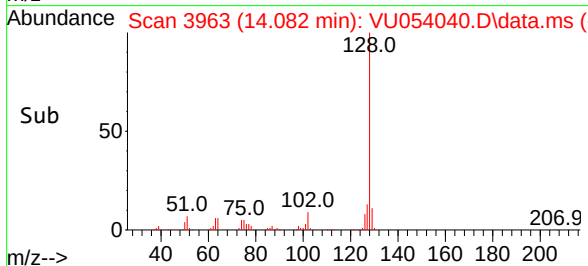
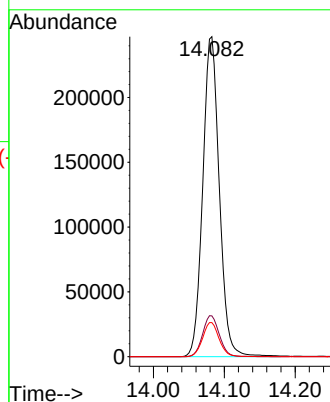
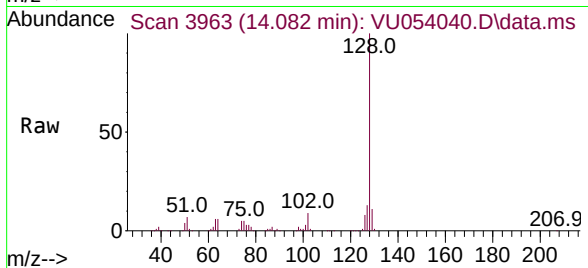
Tgt Ion:128 Resp: 400701

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

129 10.7 8.4 12.6



#72

1,2,3-Trichlorobenzene

Concen: 47.675 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. -0.003 min

Lab File: VU054040.D

Acq: 01 May 2023 20:49

Tgt Ion:180 Resp: 134746

Ion Ratio Lower Upper

180 100

182 96.1 76.6 114.8

145 31.7 24.9 37.3

