

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050223\
 Data File : VU054042.D
 Acq On : 02 May 2023 09:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050087

Quant Time: May 03 05:17:21 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	6.244	114	265877	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	250660	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	139668	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79078	39.326	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.660%
7) Chloroethane-d5	1.909	69	57467	43.537	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.080%
11) 1,1-Dichloroethene-d2	2.565	63	154911	43.435	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.860%
21) 2-Butanone-d5	4.623	46	103634	90.363	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.360%
24) Chloroform-d	5.057	84	168149	45.530	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.060%
26) 1,2-Dichloroethane-d4	5.697	65	105378	44.440	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.880%
32) Benzene-d6	5.723	84	325466	44.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.220%
36) 1,2-Dichloropropane-d6	6.684	67	102614	44.055	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.100%
41) Toluene-d8	7.893	98	302401	45.397	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	8.176	79	48121	41.747	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.500%
47) 2-Hexanone-d5	8.629	63	68032	81.547	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.550%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141561	46.140	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.280%
66) 1,2-Dichlorobenzene-d4	12.189	152	123198	45.153	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	91587	47.744	ug/L	100
3) Chloromethane	1.520	50	81925	46.469	ug/L	96
5) Vinyl chloride	1.604	62	89791	47.885	ug/L	99
6) Bromomethane	1.858	94	48247	46.156	ug/L	97
8) Chloroethane	1.932	64	49385	48.330	ug/L	100
9) Trichlorofluoromethane	2.134	101	142765	47.978	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	87051	48.915	ug/L	99
12) 1,1-Dichloroethene	2.578	96	72853	47.238	ug/L	95
13) Acetone	2.636	43	78091	69.372	ug/L	100
14) Carbon disulfide	2.790	76	162864	47.579	ug/L	98
15) Methyl Acetate	2.948	43	92904	52.700	ug/L	97
16) Methylene chloride	3.044	84	98657	50.721	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	75717	48.013	ug/L	100
18) Methyl tert-butyl Ether	3.356	73	271225	46.782	ug/L	99
19) 1,1-Dichloroethane	3.864	63	160570	47.422	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	92670	47.819	ug/L	97
22) 2-Butanone	4.703	43	114354	86.045	ug/L	96
23) Bromochloromethane	4.970	128	49062	48.832	ug/L	98
25) Chloroform	5.083	83	171644	48.039	ug/L	97

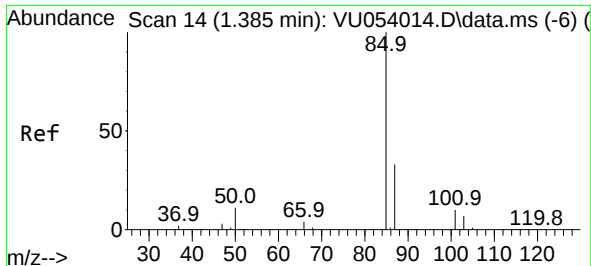
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	133430	48.549	ug/L	97
29) Cyclohexane	5.382	56	121662	46.963	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	148037	47.382	ug/L	100
31) Carbon tetrachloride	5.520	117	127541	47.850	ug/L	100
33) Benzene	5.768	78	345476	47.352	ug/L	100
34) Trichloroethene	6.536	95	90308	46.637	ug/L	100
35) Methylcyclohexane	6.758	83	128828	47.436	ug/L	98
37) 1,2-Dichloropropane	6.787	63	95237	46.139	ug/L	100
38) Bromodichloromethane	7.102	83	125697	48.335	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	143249	44.363	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	225749	93.848	ug/L	100
42) Toluene	7.964	91	365855	48.168	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	138595	45.163	ug/L	96
45) 1,1,2-Trichloroethane	8.395	97	94635	47.367	ug/L	99
46) Tetrachloroethene	8.549	164	71825	46.754	ug/L	99
48) 2-Hexanone	8.681	43	167348	87.784	ug/L	99
49) Dibromochloromethane	8.806	129	97886	49.720	ug/L	98
50) 1,2-Dibromoethane	8.919	107	97879	48.266	ug/L	95
51) Chlorobenzene	9.443	112	246808	48.583	ug/L	99
52) Ethylbenzene	9.565	91	412525	48.257	ug/L	98
53) m,p-Xylene	9.690	106	160194	49.905	ug/L	100
54) o-Xylene	10.095	106	154937	49.337	ug/L	99
55) Styrene	10.108	104	269198	49.977	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	151659	48.187	ug/L	99
59) Bromoform	10.285	173	74109	47.395	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	118051	45.504	ug/L	100
61) Isopropylbenzene	10.478	105	422142	47.881	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	345782	47.862	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	343589	48.250	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	204757	47.486	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	205779	46.859	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	205867	47.306	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	30625	46.272	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	152495	48.805	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	135915	47.981	ug/L	97
71) Naphthalene	14.082	128	378138	46.024	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	134482	47.726	ug/L	99

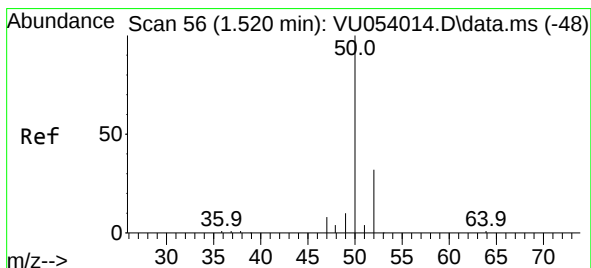
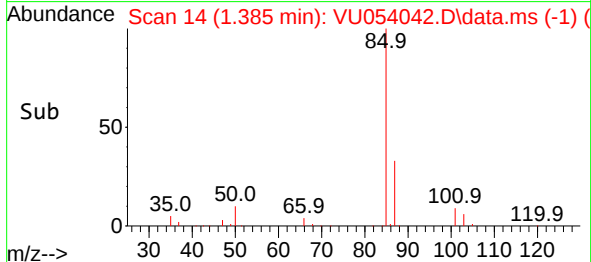
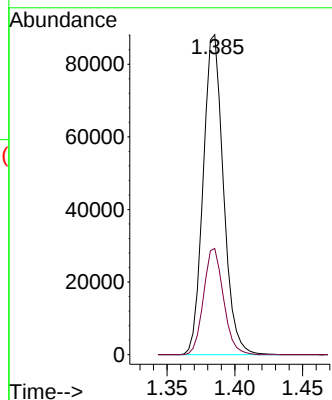
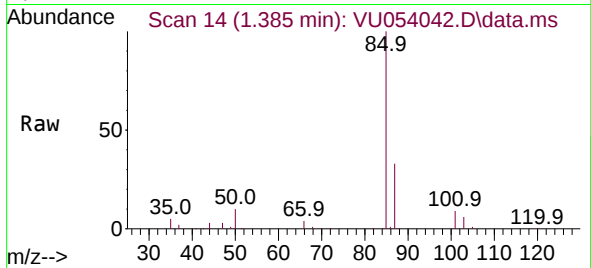
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#2
Dichlorodifluoromethane
Concen: 47.744 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

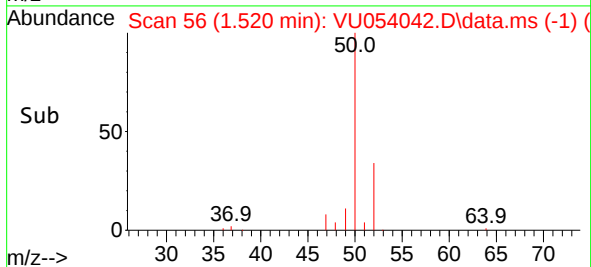
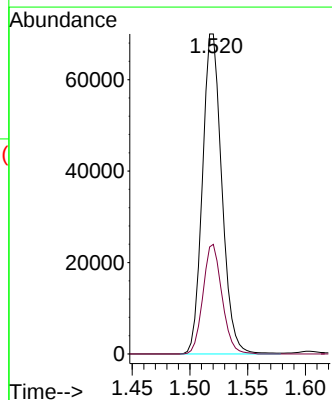
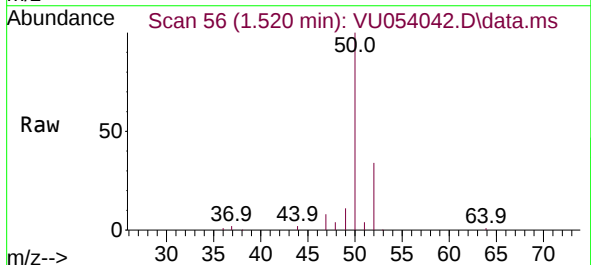
Instrument :
MSVOA_U
ClientSampleId :
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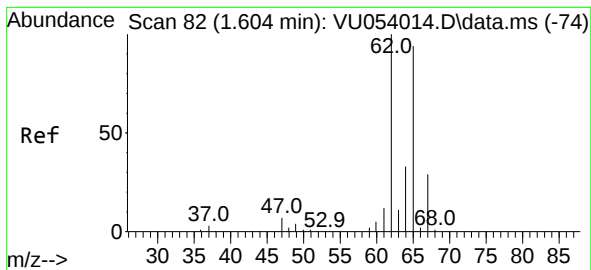
Tgt Ion: 85 Resp: 91587
Ion Ratio Lower Upper
85 100
87 32.7 26.0 39.0



#3
Chloromethane
Concen: 46.469 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion: 50 Resp: 81925
Ion Ratio Lower Upper
50 100
52 34.2 22.4 41.6





#5

Vinyl chloride

Concen: 47.885 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

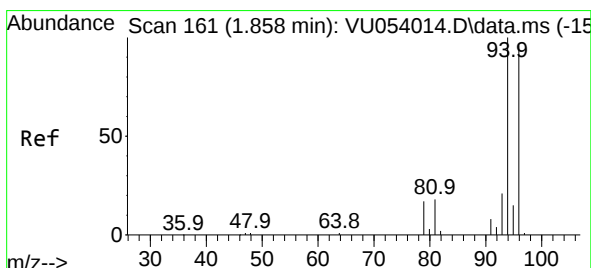
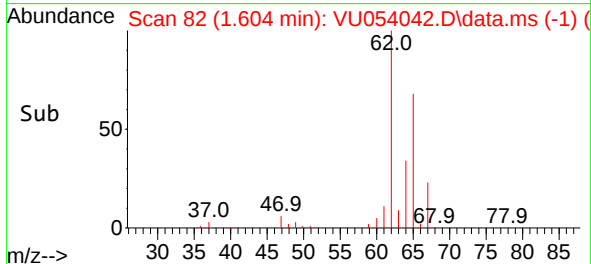
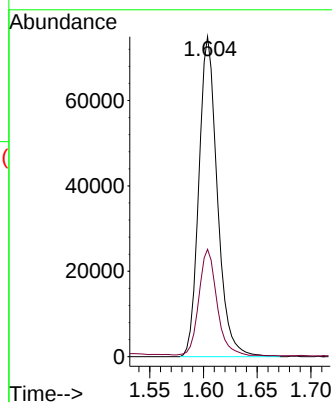
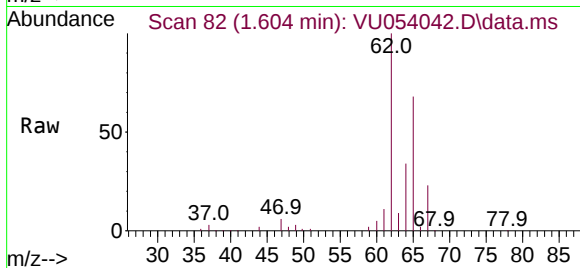
VSTD050087

Tgt Ion: 62 Resp: 89791

Ion Ratio Lower Upper

62 100

64 33.5 24.1 44.7



#6

Bromomethane

Concen: 46.156 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU054042.D

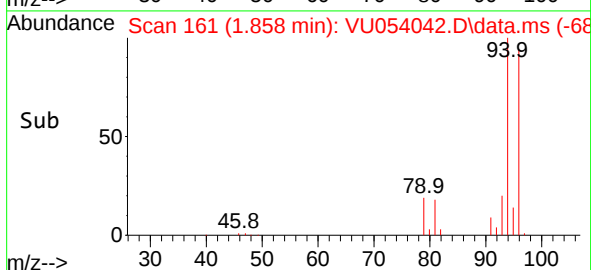
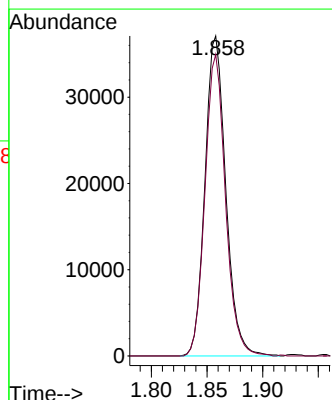
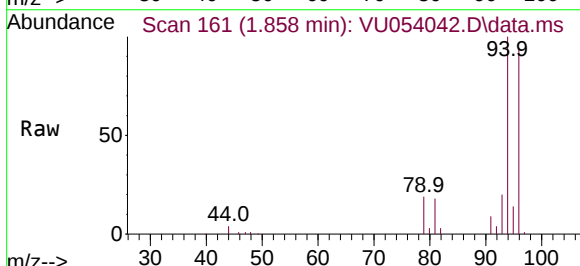
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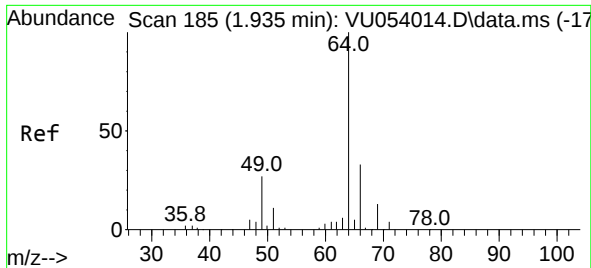
Tgt Ion: 94 Resp: 48247

Ion Ratio Lower Upper

94 100

96 94.2 63.9 118.7

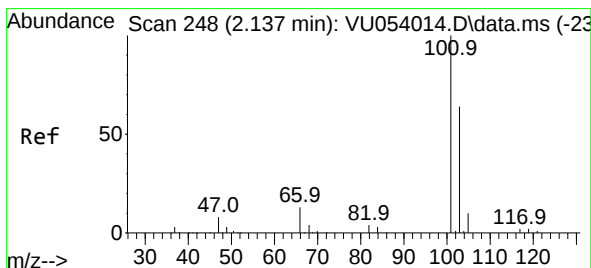
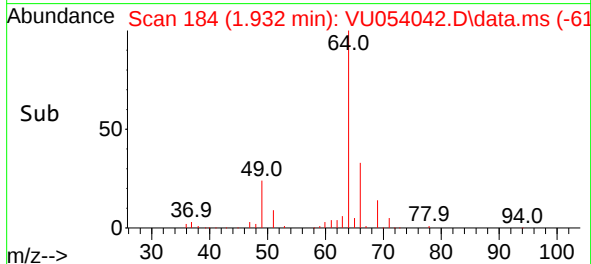
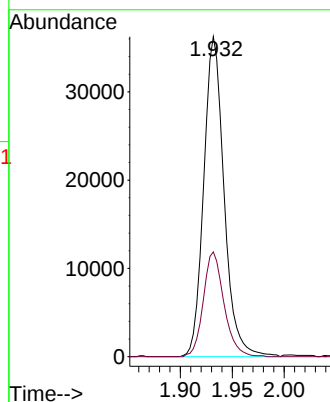
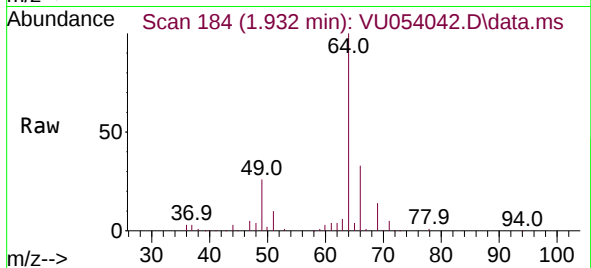




#8
Chloroethane
Concen: 48.330 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

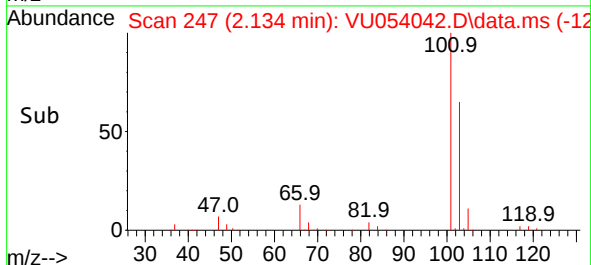
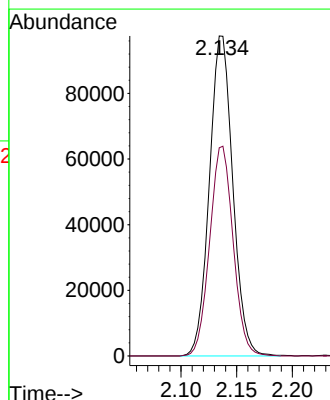
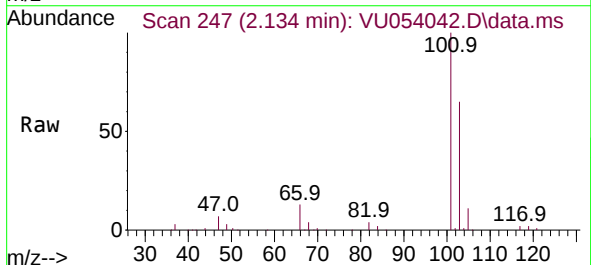
Instrument :
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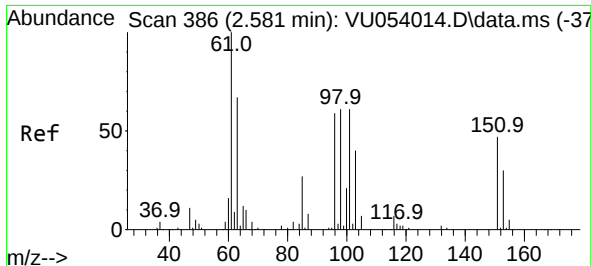
Tgt Ion: 64 Resp: 49385
Ion Ratio Lower Upper
64 100
66 32.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 47.978 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion:101 Resp: 142765
Ion Ratio Lower Upper
101 100
103 65.5 51.0 76.4

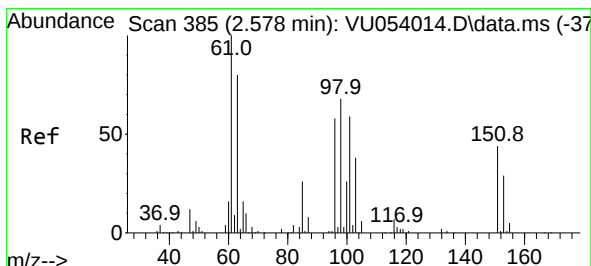
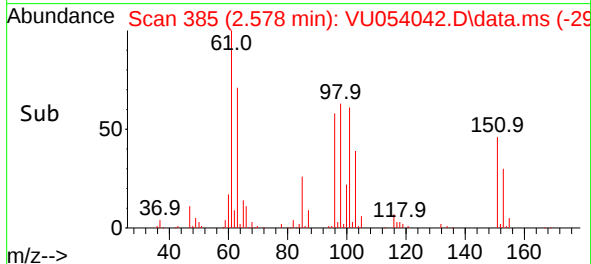
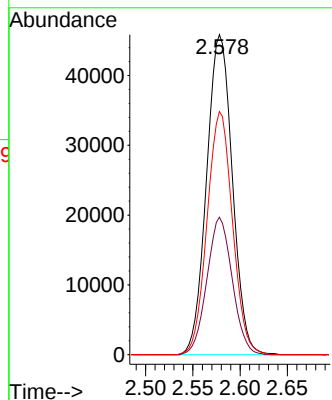
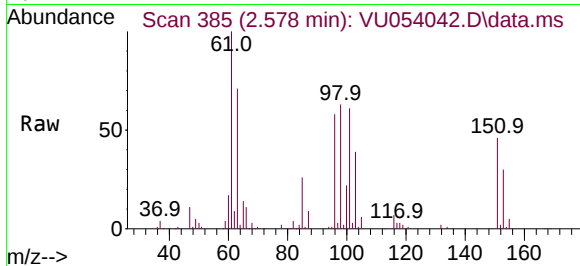




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.915 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

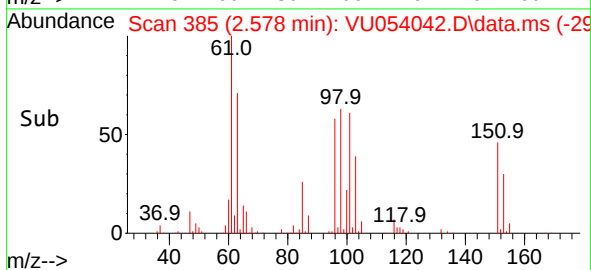
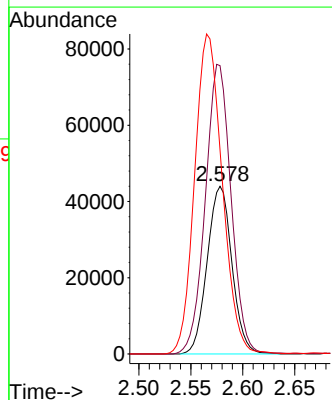
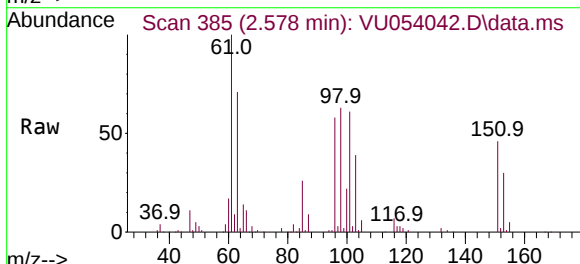
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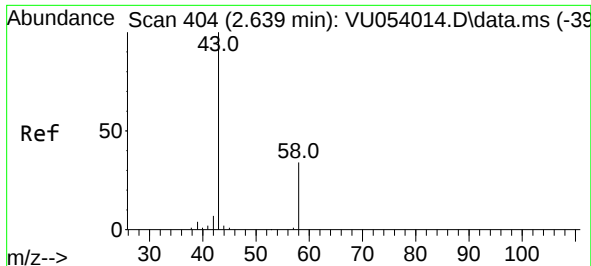
Tgt Ion:101 Resp: 87051
Ion Ratio Lower Upper
101 100
85 42.1 34.3 51.5
151 74.9 60.3 90.5



#12
1,1-Dichloroethene
Concen: 47.238 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion: 96 Resp: 72853
Ion Ratio Lower Upper
96 100
61 172.0 118.3 219.7
63 121.5 92.3 171.5





#13

Acetone

Concen: 69.372 ug/L

RT: 2.636 min Scan# 404

Delta R.T. -0.003 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

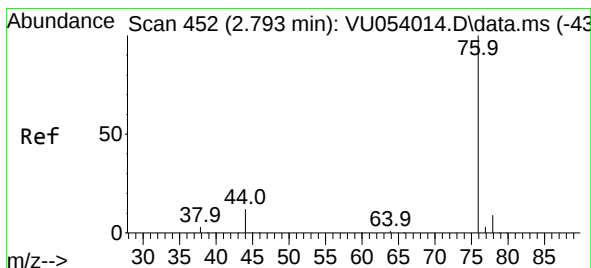
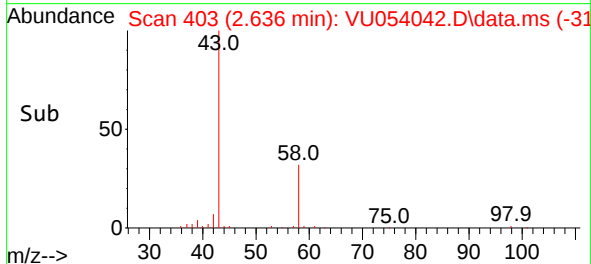
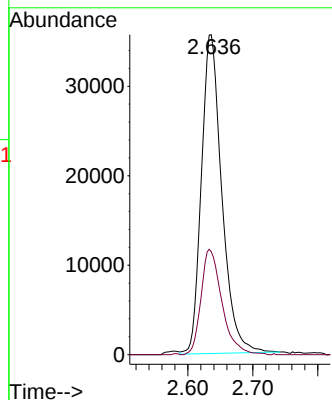
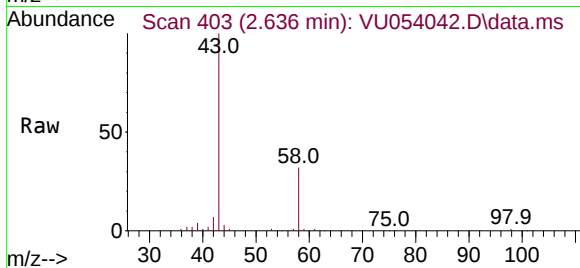
VSTD050087

Tgt Ion: 43 Resp: 78091

Ion Ratio Lower Upper

43 100

58 33.8 0.0 67.4



#14

Carbon disulfide

Concen: 47.579 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU054042.D

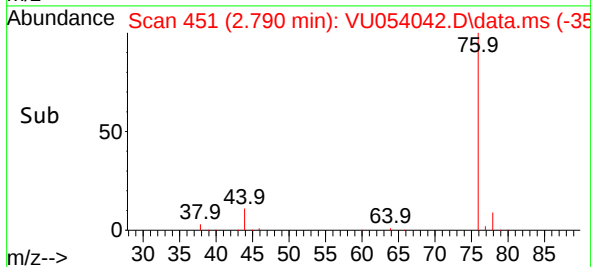
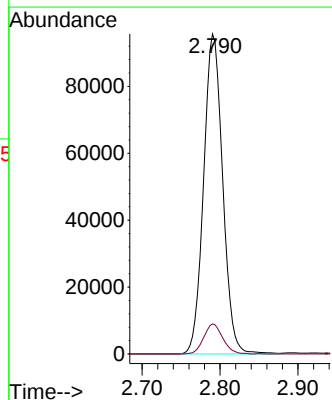
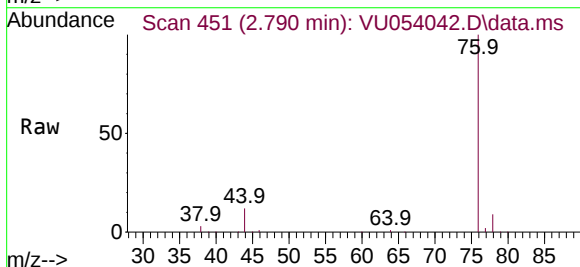
Acq: 02 May 2023 09:37

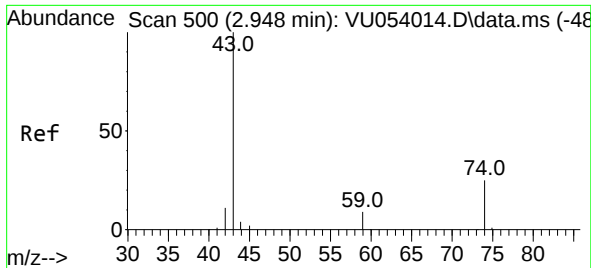
Tgt Ion: 76 Resp: 162864

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4

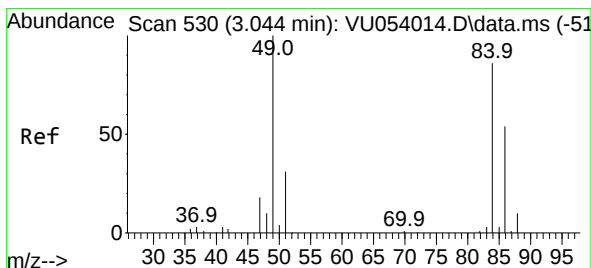
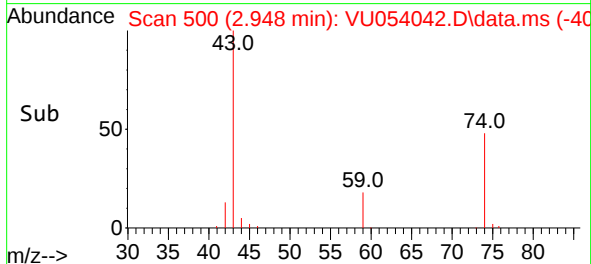
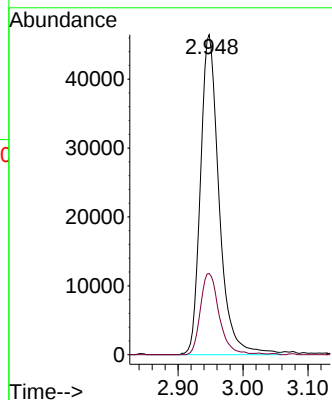
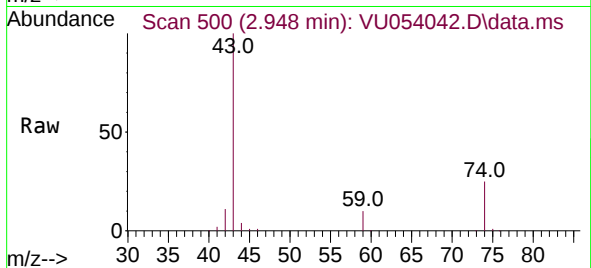




#15
Methyl Acetate
Concen: 52.700 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

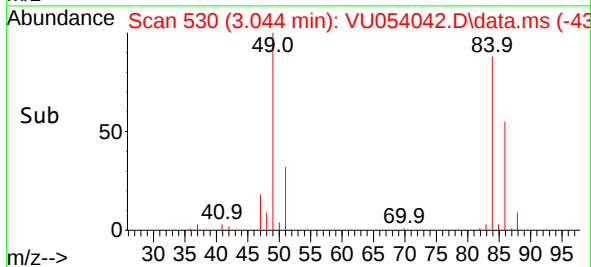
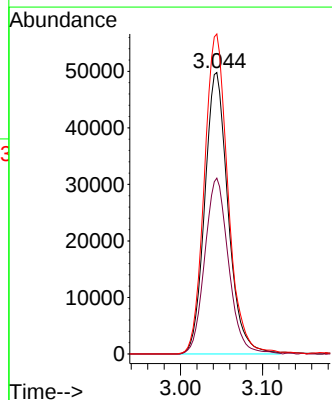
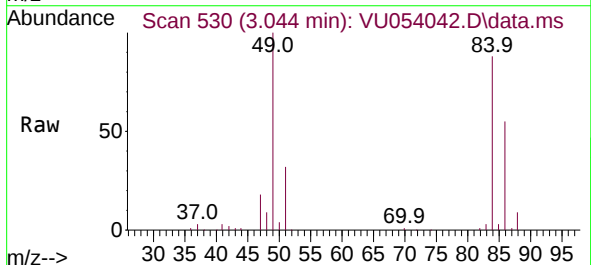
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

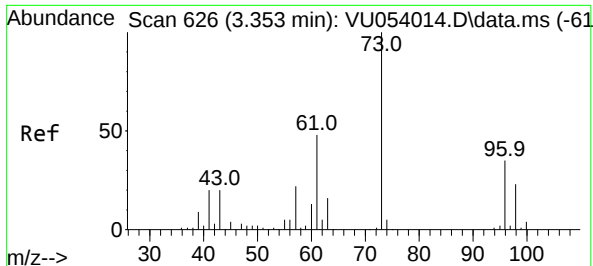
Tgt Ion: 43 Resp: 92904
Ion Ratio Lower Upper
43 100
74 25.2 21.2 31.8



#16
Methylene chloride
Concen: 50.721 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion: 84 Resp: 98657
Ion Ratio Lower Upper
84 100
86 62.4 45.8 85.2
49 113.7 83.0 154.2





#17

trans-1,2-Dichloroethene

Concen: 48.013 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050087

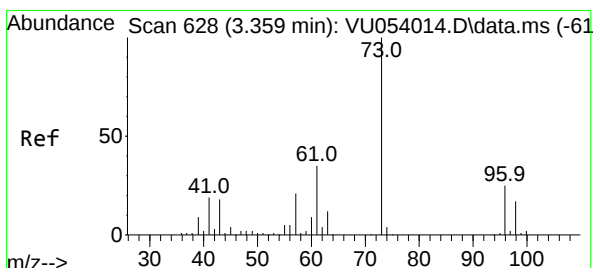
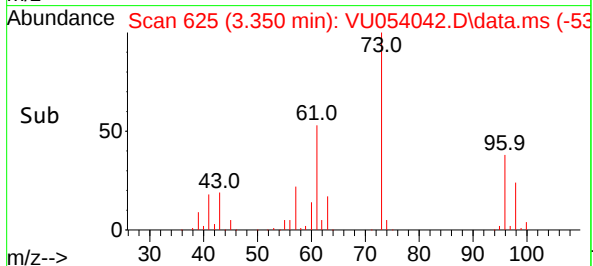
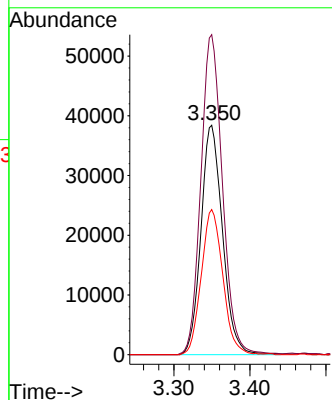
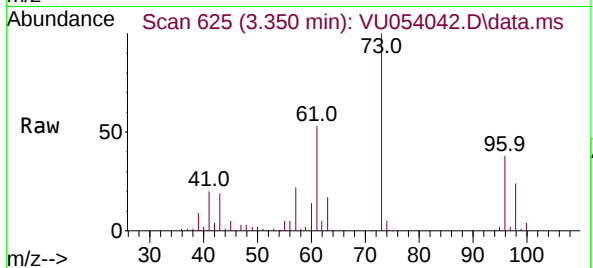
Tgt Ion: 96 Resp: 75717

Ion Ratio Lower Upper

96 100

61 139.4 97.5 181.1

98 63.2 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 46.782 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.003 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

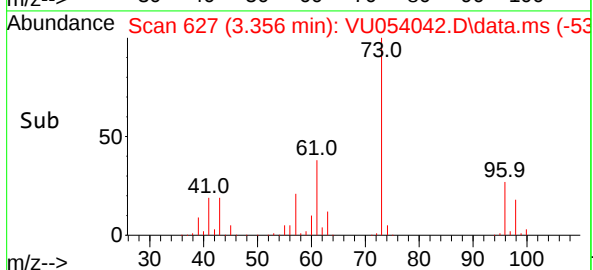
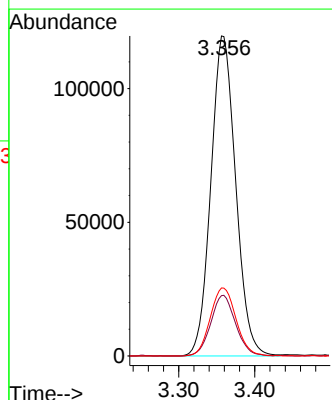
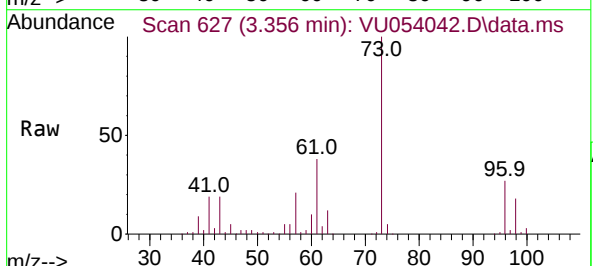
Tgt Ion: 73 Resp: 271225

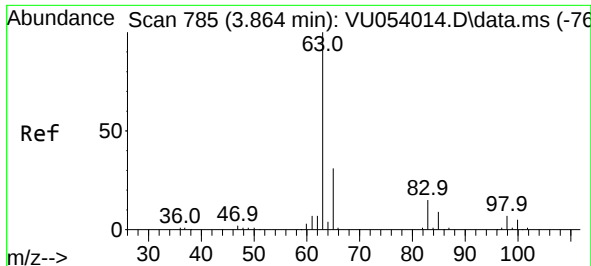
Ion Ratio Lower Upper

73 100

43 19.0 15.4 23.0

57 22.0 18.0 27.0

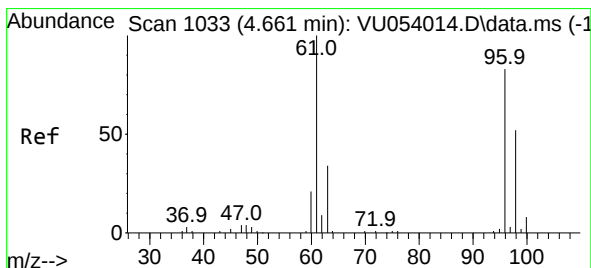
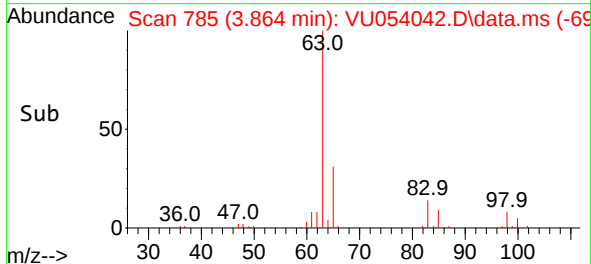
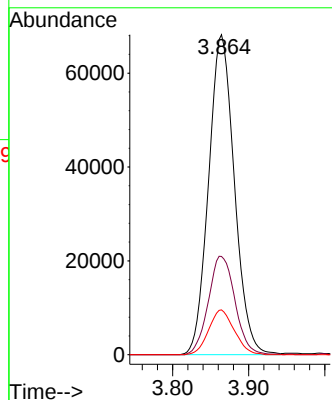
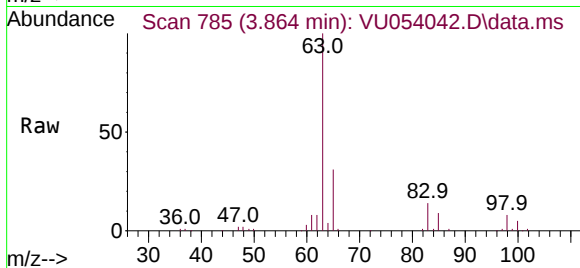




#19
1,1-Dichloroethane
Concen: 47.422 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

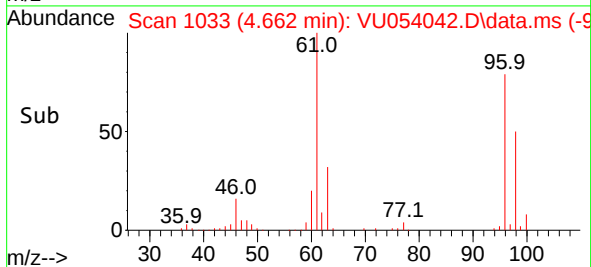
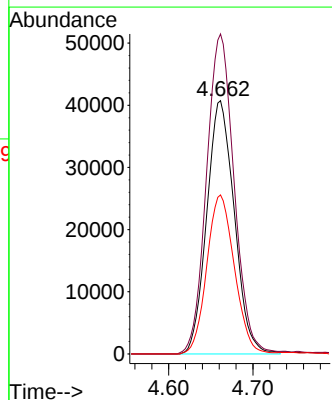
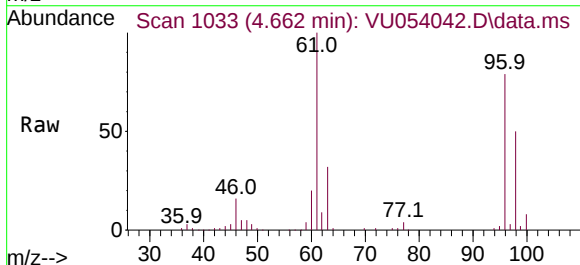
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

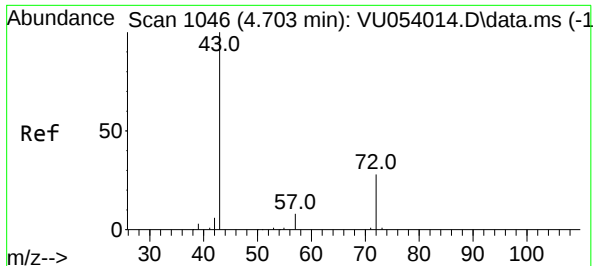
Tgt Ion: 63 Resp: 160570
Ion Ratio Lower Upper
63 100
65 30.7 22.0 40.8
83 14.0 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 47.819 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion: 96 Resp: 92670
Ion Ratio Lower Upper
96 100
61 126.4 90.9 168.9
98 62.8 45.7 84.9





#22

2-Butanone

Concen: 86.045 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

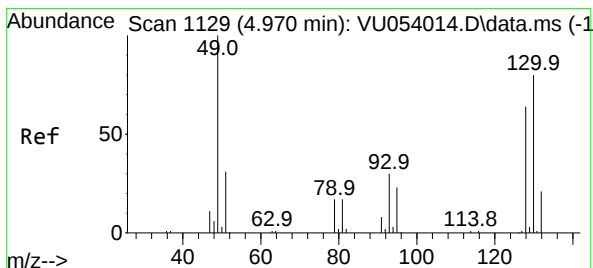
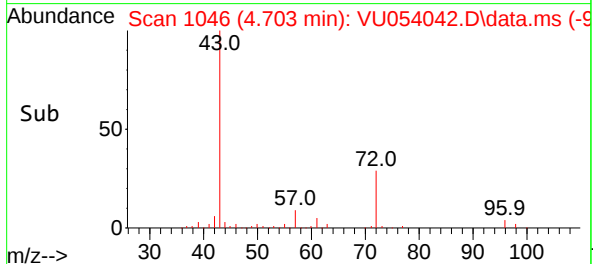
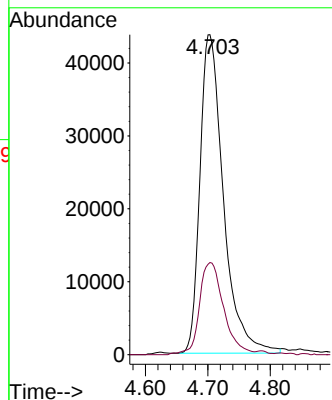
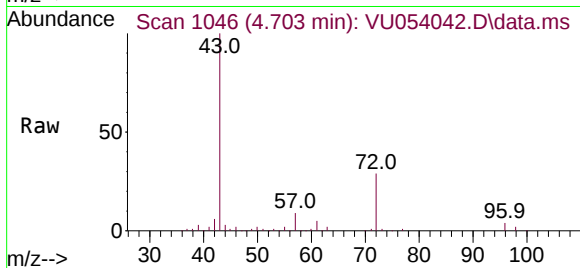
VSTD050087

Tgt Ion: 43 Resp: 114354

Ion Ratio Lower Upper

43 100

72 29.8 14.0 41.9



#23

Bromochloromethane

Concen: 48.832 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Tgt Ion: 128 Resp: 49062

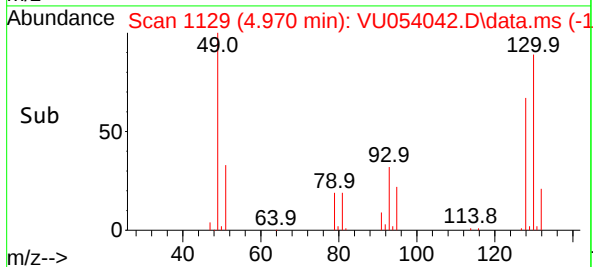
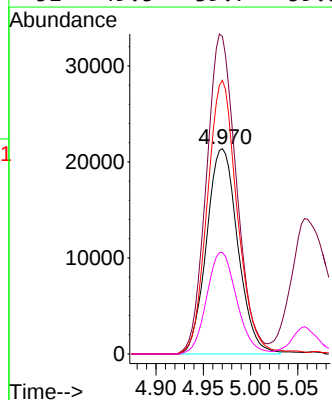
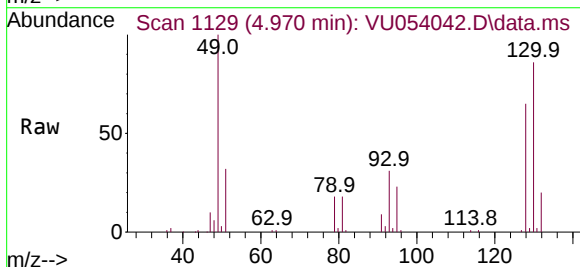
Ion Ratio Lower Upper

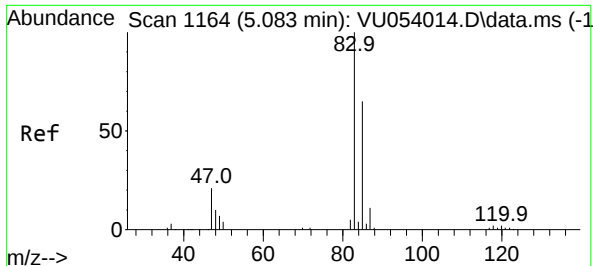
128 100

49 154.7 107.5 199.7

130 133.3 91.0 169.0

51 49.5 39.7 59.5





#25

Chloroform

Concen: 48.039 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

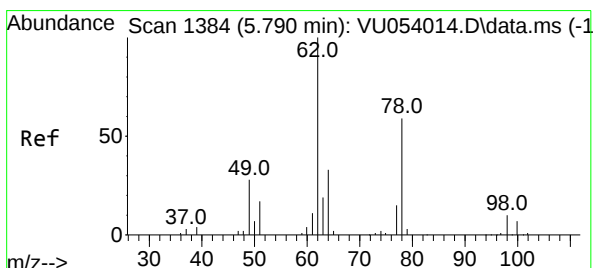
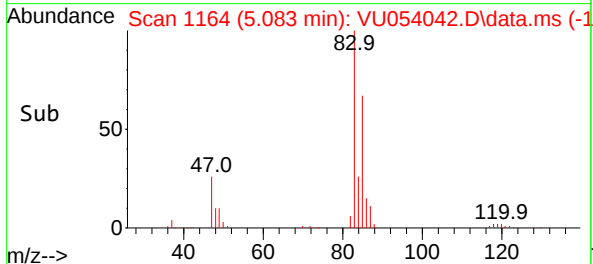
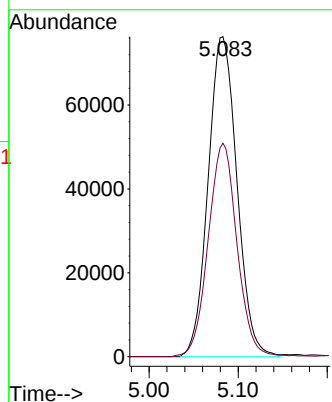
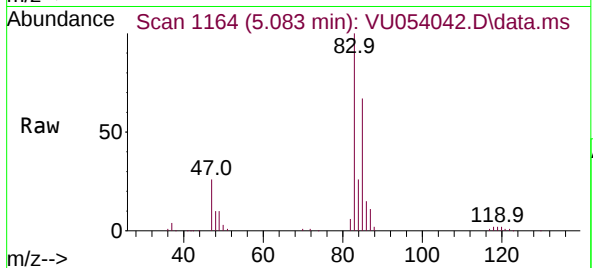
VSTD050087

Tgt Ion: 83 Resp: 171644

Ion Ratio Lower Upper

83 100

85 66.7 45.2 84.0



#27

1,2-Dichloroethane

Concen: 48.549 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU054042.D

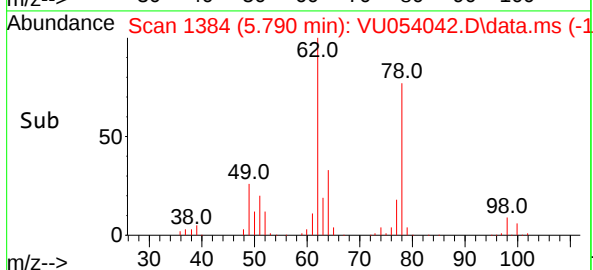
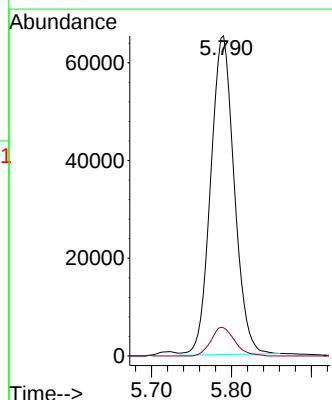
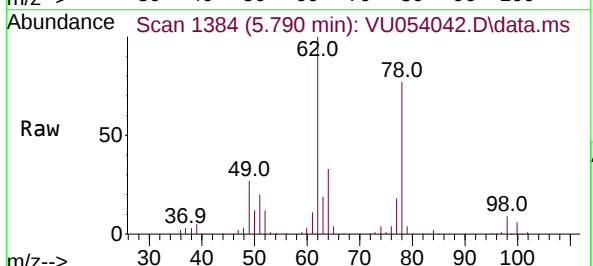
Acq: 02 May 2023 09:37

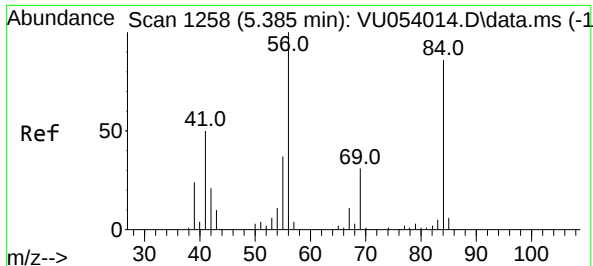
Tgt Ion: 62 Resp: 133430

Ion Ratio Lower Upper

62 100

98 8.8 8.0 12.0





#29

Cyclohexane

Concen: 46.963 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050087

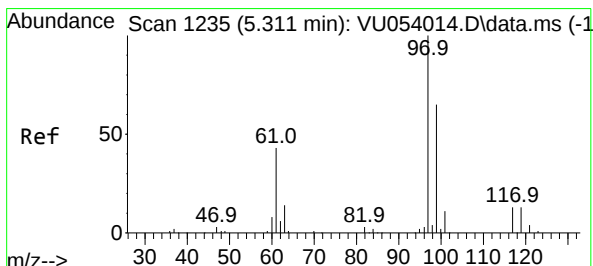
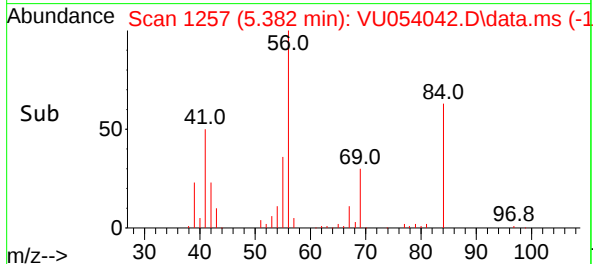
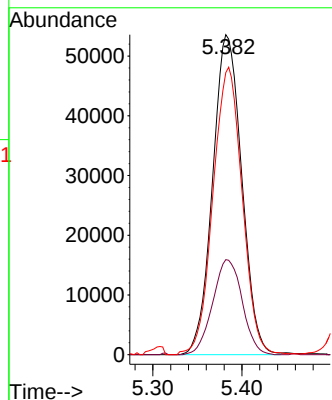
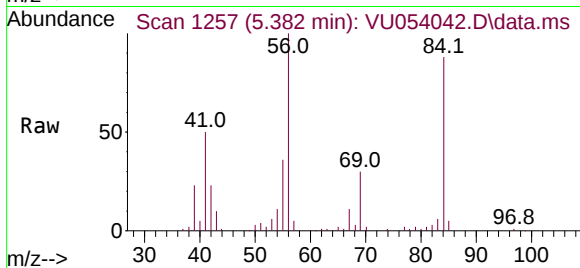
Tgt Ion: 56 Resp: 121662

Ion Ratio Lower Upper

56 100

69 30.1 25.8 38.6

84 90.1 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 47.382 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

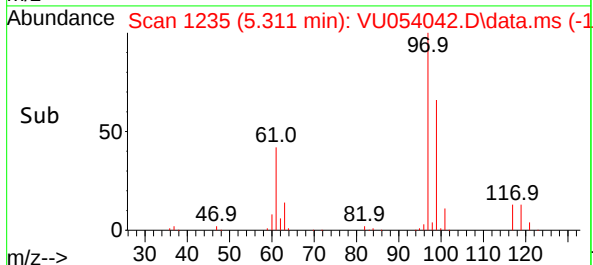
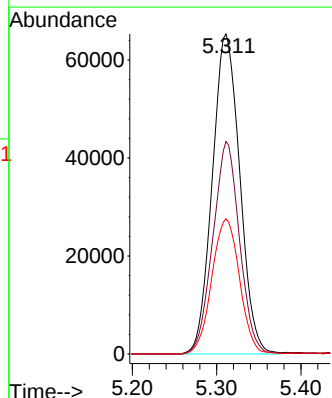
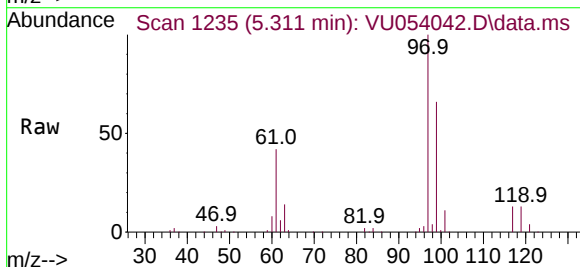
Tgt Ion: 97 Resp: 148037

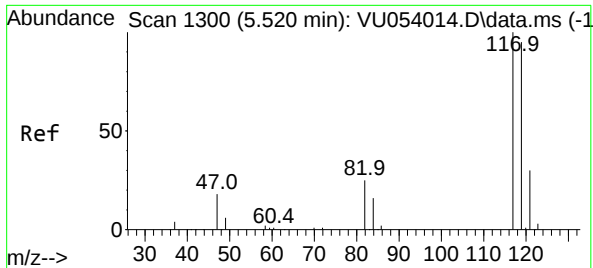
Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

61 42.7 34.2 51.4

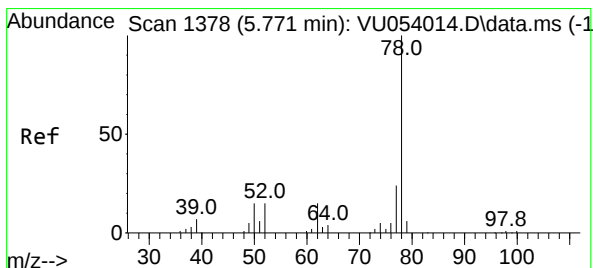
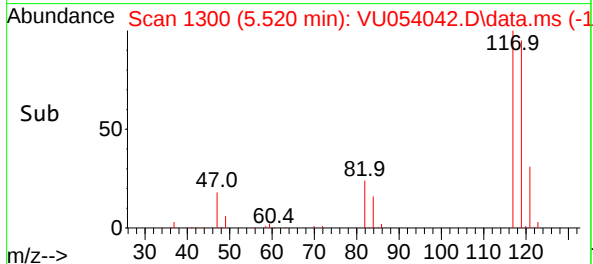
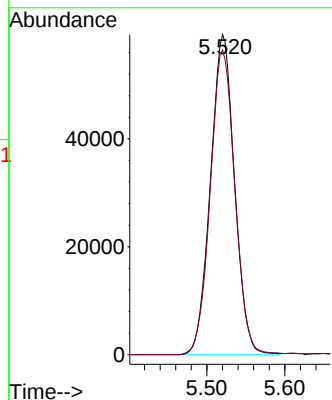
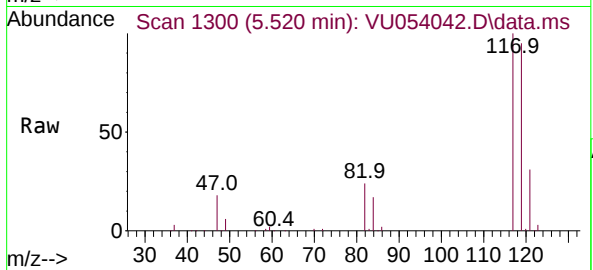




#31
Carbon tetrachloride
Concen: 47.850 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

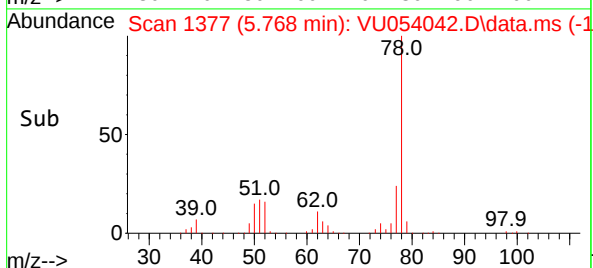
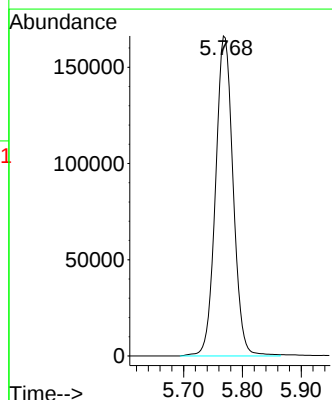
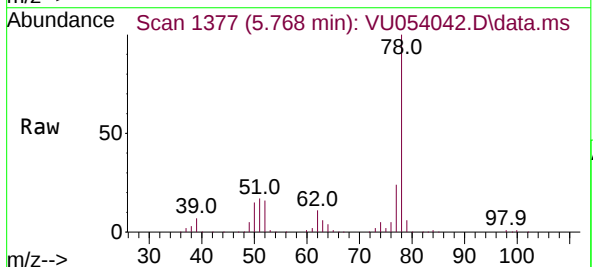
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

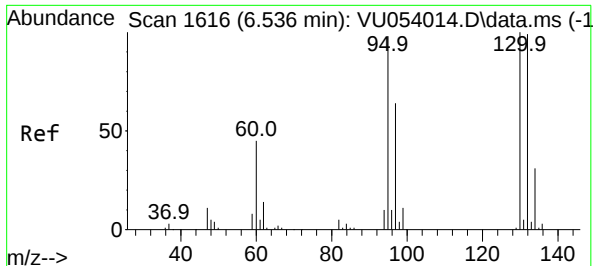
Tgt Ion:117 Resp: 127541
Ion Ratio Lower Upper
117 100
119 96.8 77.8 116.6



#33
Benzene
Concen: 47.352 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion: 78 Resp: 345476

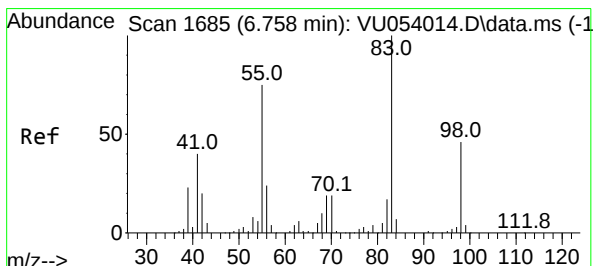
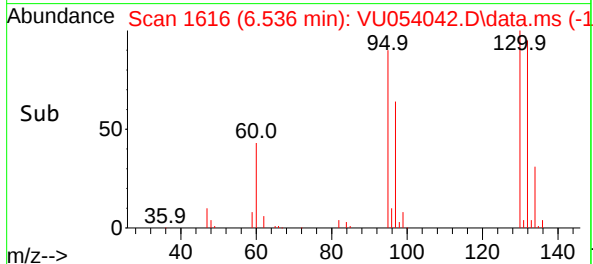
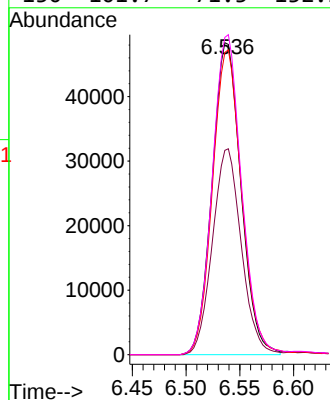
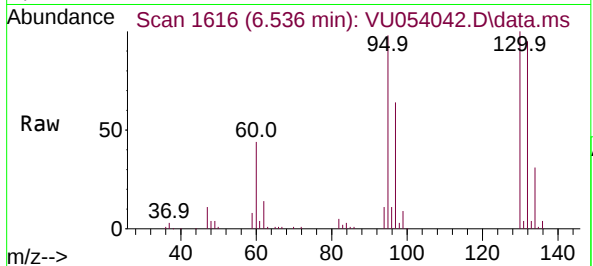




#34
Trichloroethene
Concen: 46.637 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

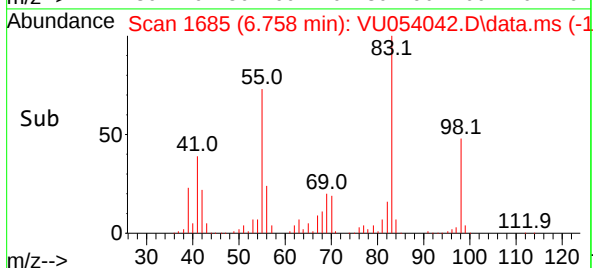
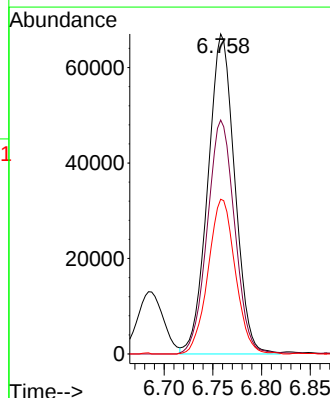
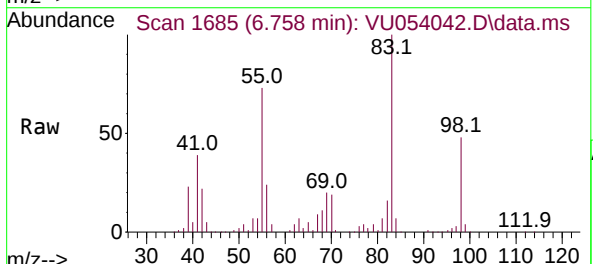
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

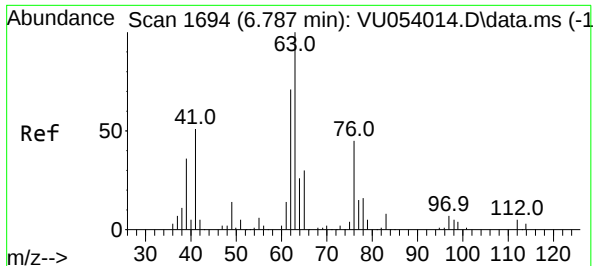
Tgt Ion: 95 Resp: 90308
Ion Ratio Lower Upper
95 100
97 65.5 46.5 86.3
132 96.9 67.8 126.0
130 101.7 71.3 132.3



#35
Methylcyclohexane
Concen: 47.436 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion: 83 Resp: 128828
Ion Ratio Lower Upper
83 100
55 74.4 61.8 92.6
98 48.7 38.4 57.6





#37

1,2-Dichloropropane

Concen: 46.139 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

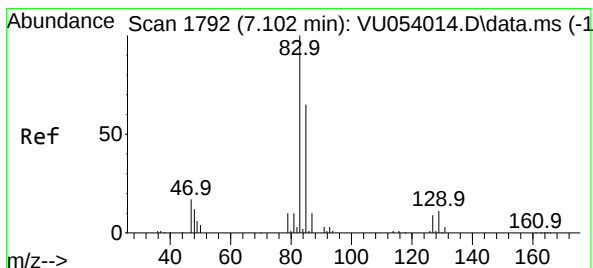
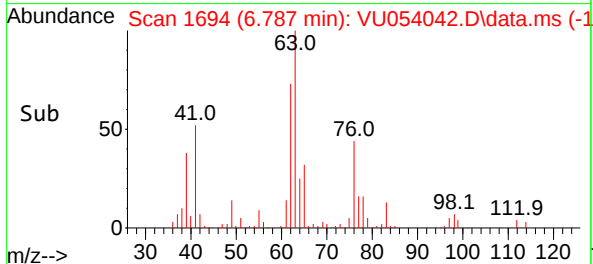
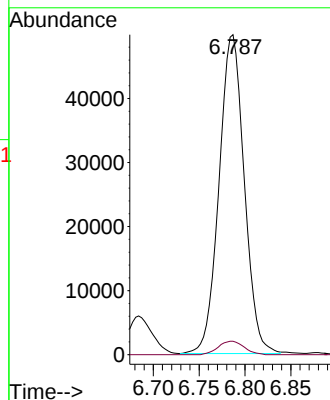
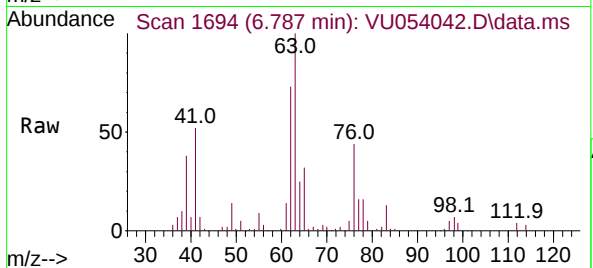
VSTD050087

Tgt Ion: 63 Resp: 95237

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.0



#38

Bromodichloromethane

Concen: 48.335 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

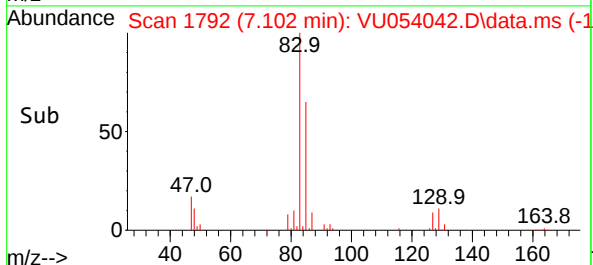
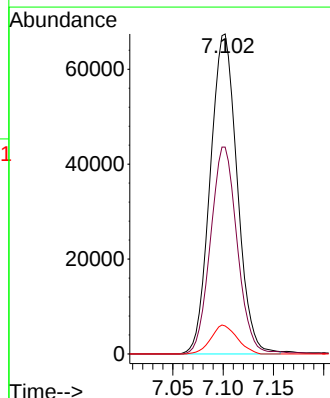
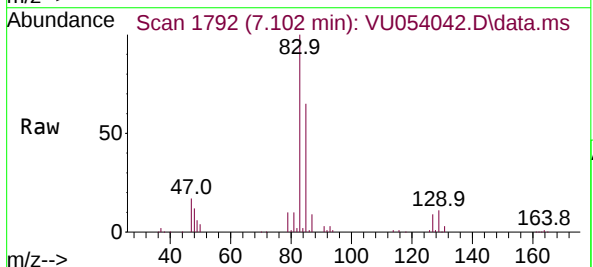
Tgt Ion: 83 Resp: 125697

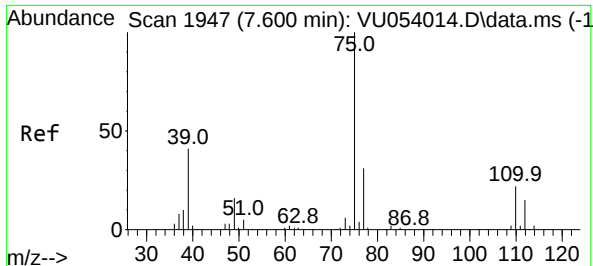
Ion Ratio Lower Upper

83 100

85 64.7 45.0 83.6

127 8.7 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 44.363 ug/L

RT: 7.604 min Scan# 1947

Delta R.T. 0.003 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

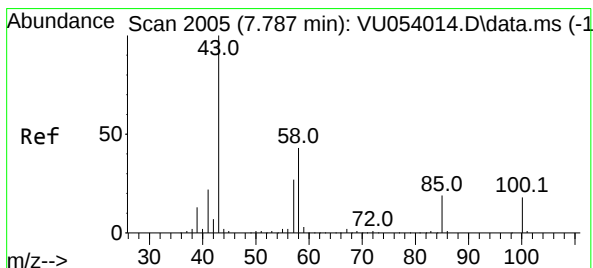
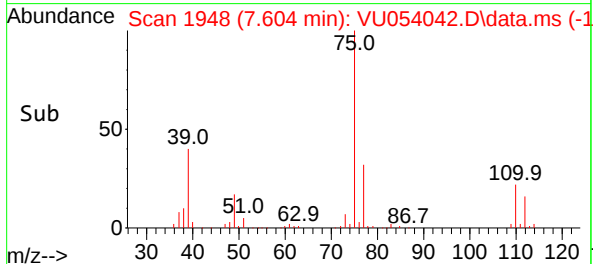
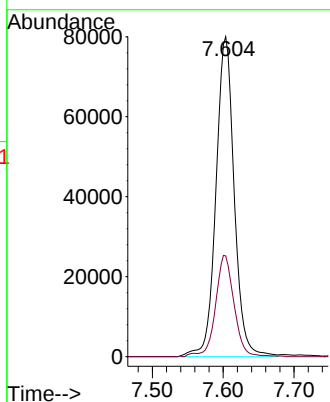
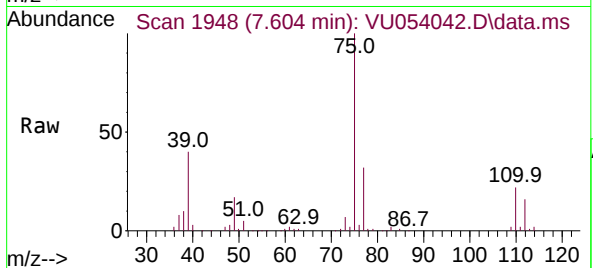
VSTD050087

Tgt Ion: 75 Resp: 143249

Ion Ratio Lower Upper

75 100

77 31.5 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 93.848 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

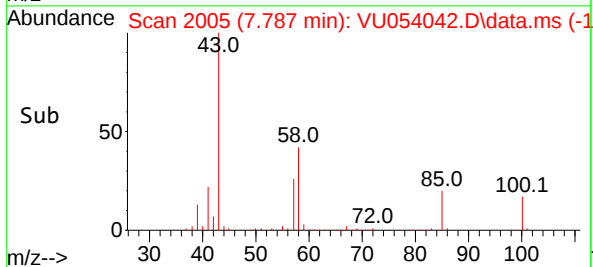
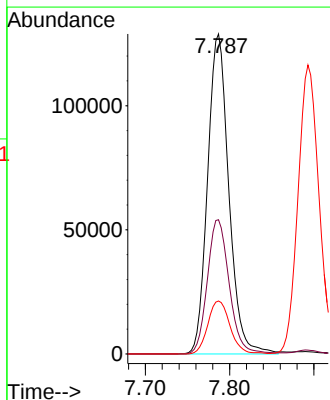
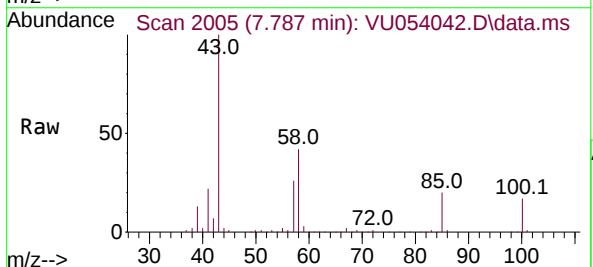
Tgt Ion: 43 Resp: 225749

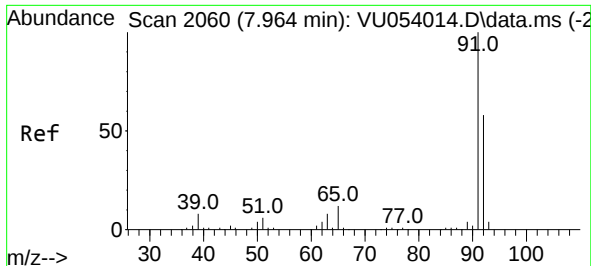
Ion Ratio Lower Upper

43 100

58 43.4 34.5 51.7

100 17.4 13.8 20.6





#42

Toluene

Concen: 48.168 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

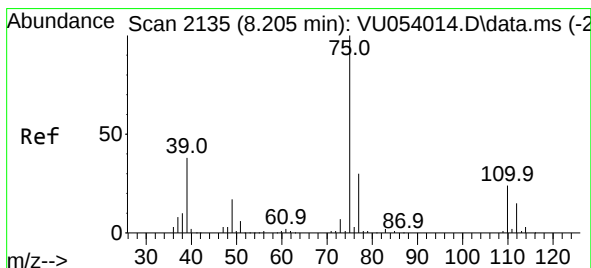
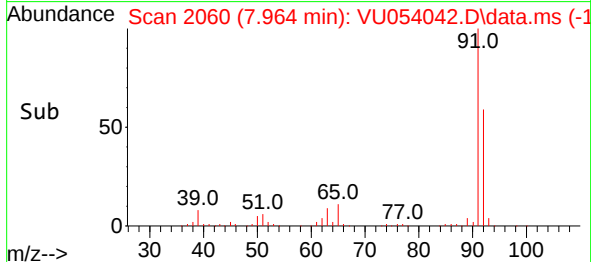
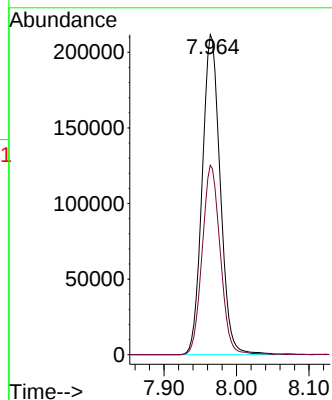
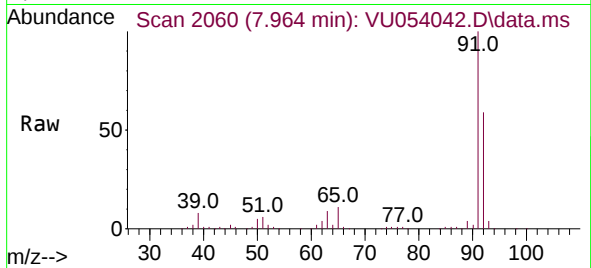
VSTD050087

Tgt Ion: 91 Resp: 365855

Ion Ratio Lower Upper

91 100

92 59.2 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 45.163 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU054042.D

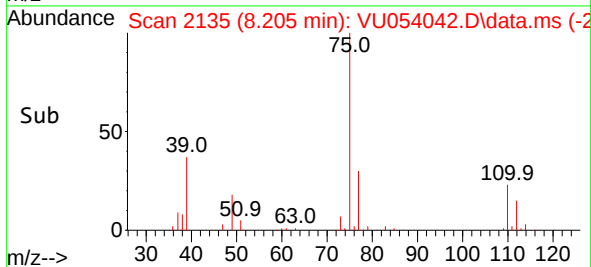
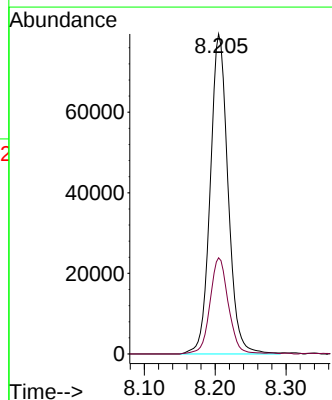
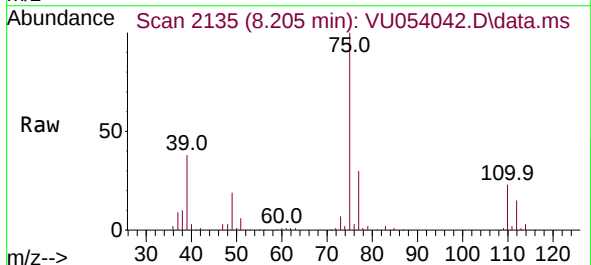
Acq: 02 May 2023 09:37

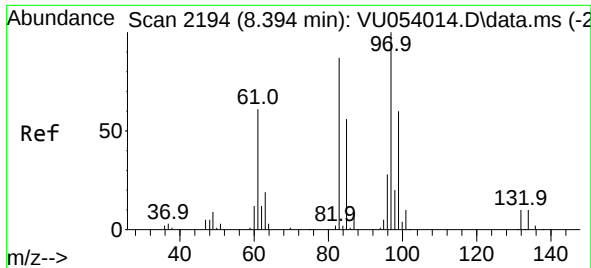
Tgt Ion: 75 Resp: 138595

Ion Ratio Lower Upper

75 100

77 30.1 22.5 41.7

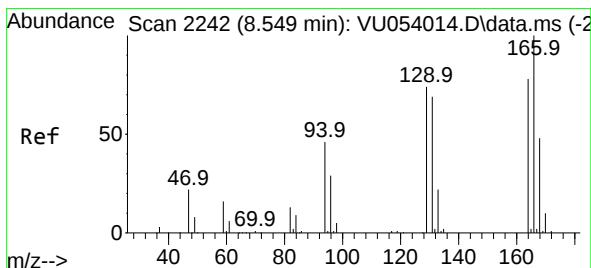
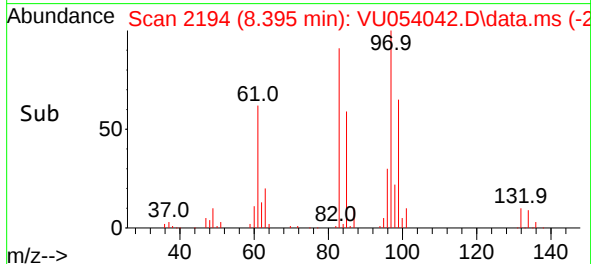
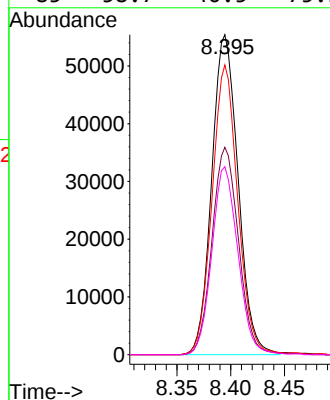
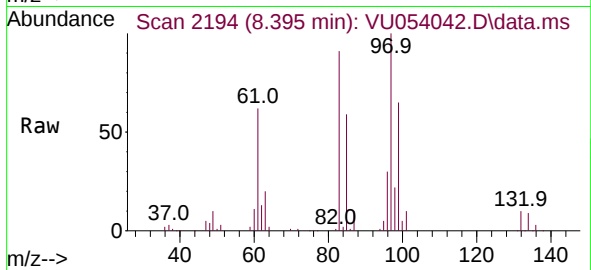




#45
1,1,2-Trichloroethane
Concen: 47.367 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

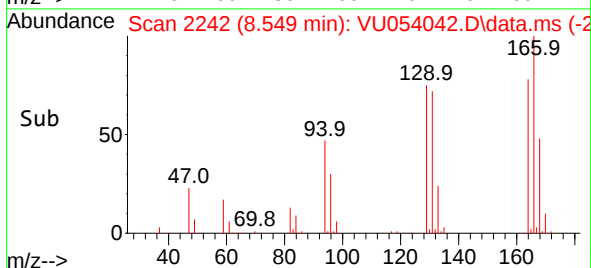
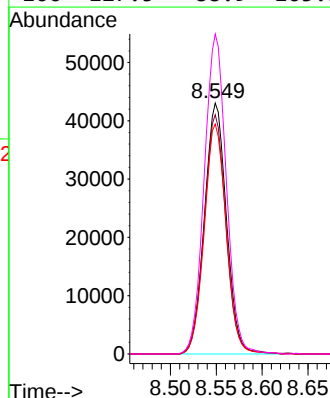
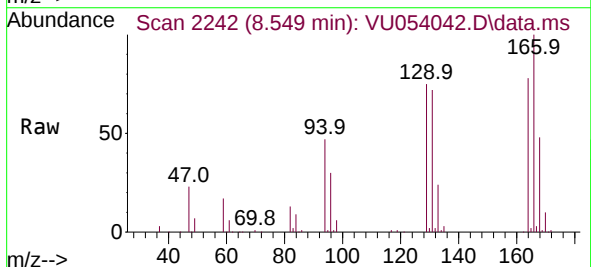
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

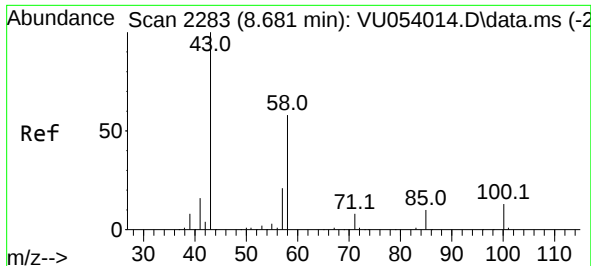
Tgt Ion:	97	Resp:	94635
Ion	Ratio	Lower	Upper
97	100		
99	64.8	46.2	85.8
83	90.5	62.7	116.5
85	58.7	40.5	75.1



#46
Tetrachloroethene
Concen: 46.754 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion:	164	Resp:	71825
Ion	Ratio	Lower	Upper
164	100		
129	95.4	65.6	121.8
131	91.6	63.8	118.4
166	127.5	88.9	165.1

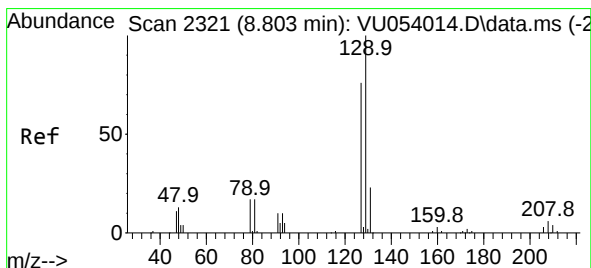
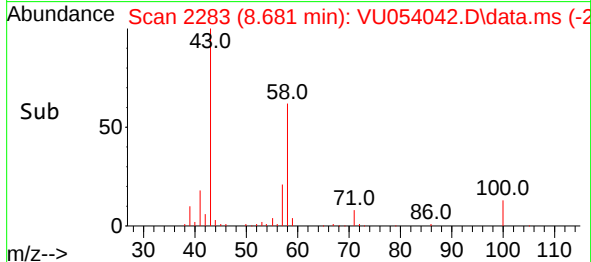
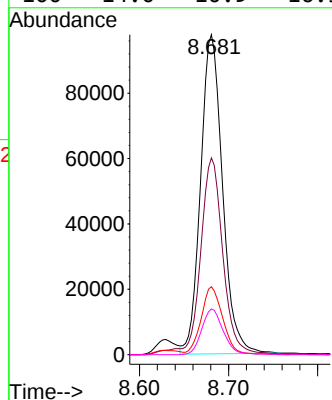
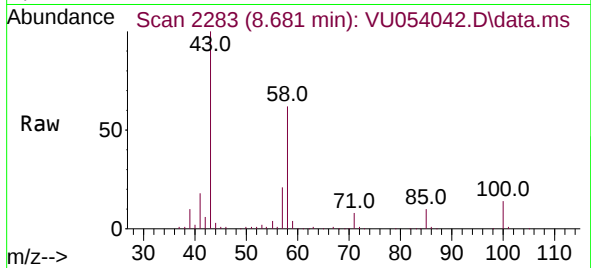




#48
2-Hexanone
Concen: 87.784 ug/L
RT: 8.681 min Scan# 2283
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

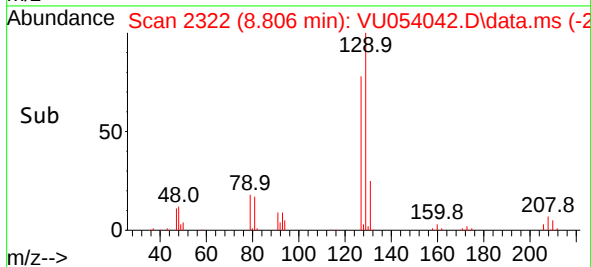
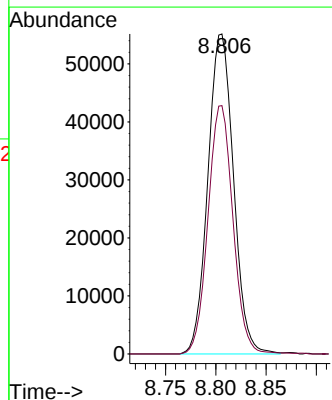
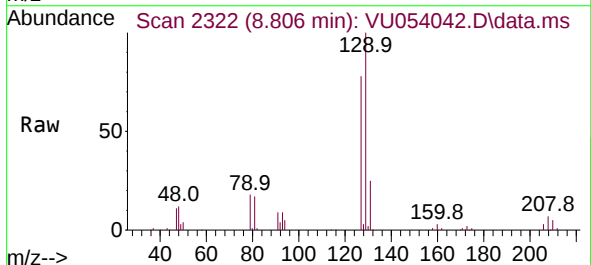
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

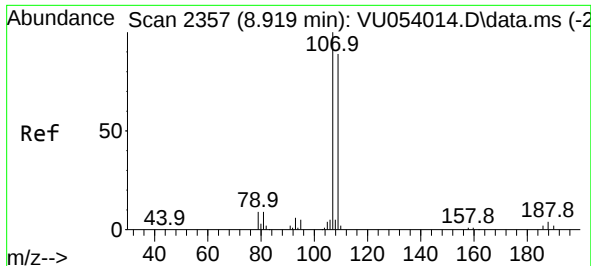
Tgt Ion:	43	Resp:	167348
Ion	Ratio	Lower	Upper
43	100		
58	61.0	48.5	72.7
57	20.4	16.5	24.7
100	14.0	10.9	16.3



#49
Dibromochloromethane
Concen: 49.720 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion:	129	Resp:	97886
Ion	Ratio	Lower	Upper
129	100		
127	77.6	52.9	98.3

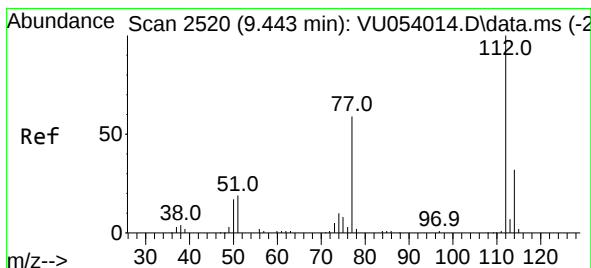
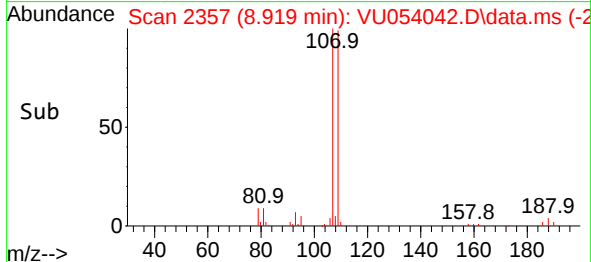
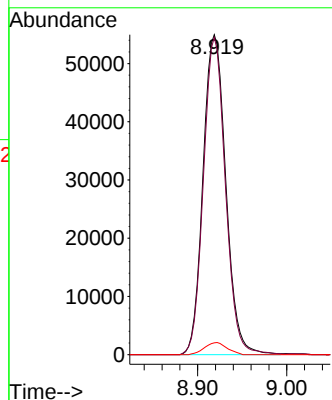
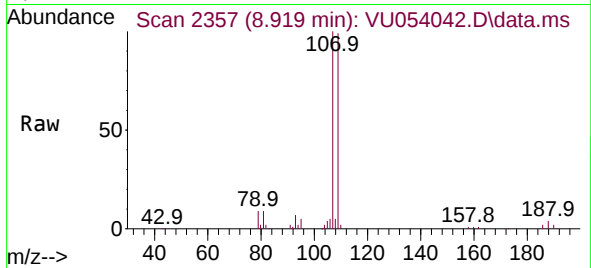




#50
1,2-Dibromoethane
Concen: 48.266 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

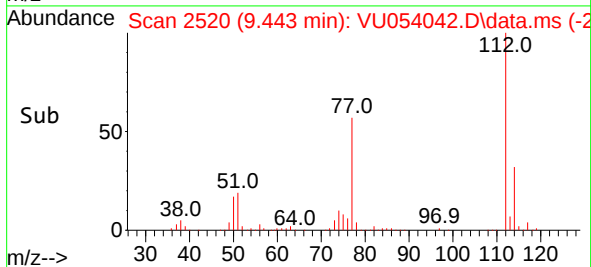
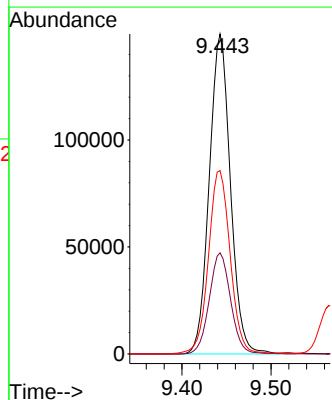
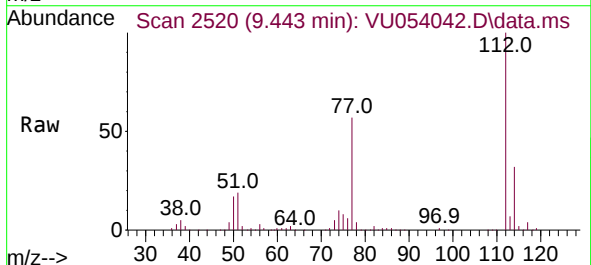
Instrument :
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ClientSampleId :
VSTD050087

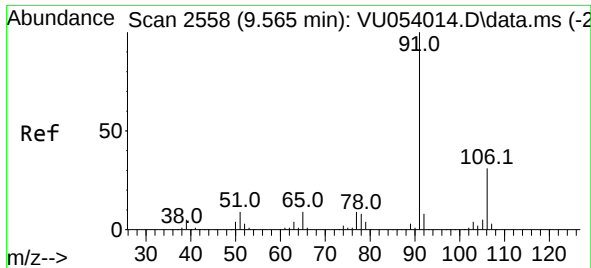
Tgt Ion:107 Resp: 97879
Ion Ratio Lower Upper
107 100
109 99.1 66.1 122.8
188 3.7 3.1 4.7



#51
Chlorobenzene
Concen: 48.583 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion:112 Resp: 246808
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.3
77 57.3 47.0 70.4

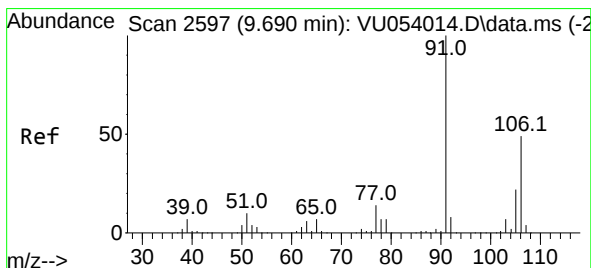
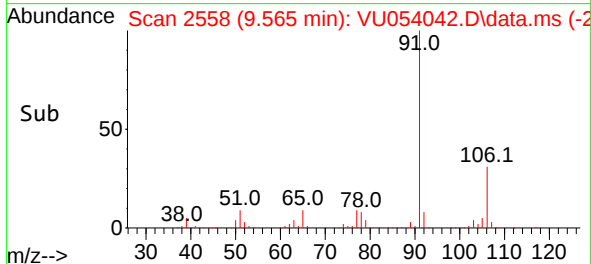
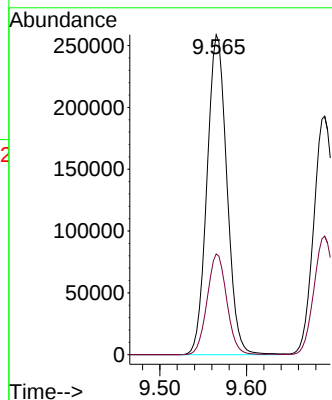
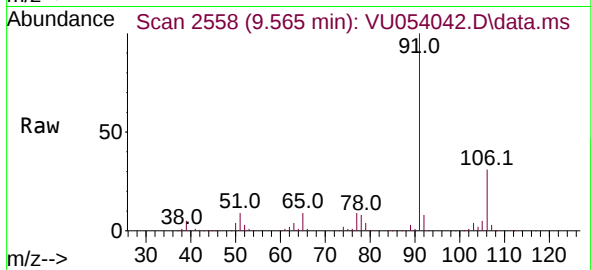




#52
Ethylbenzene
Concen: 48.257 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

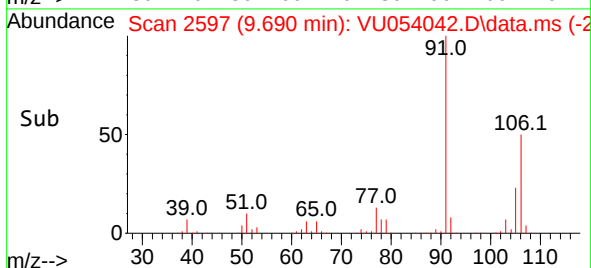
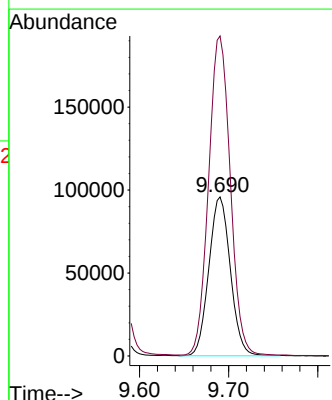
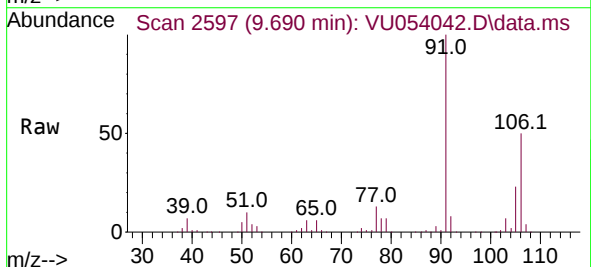
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

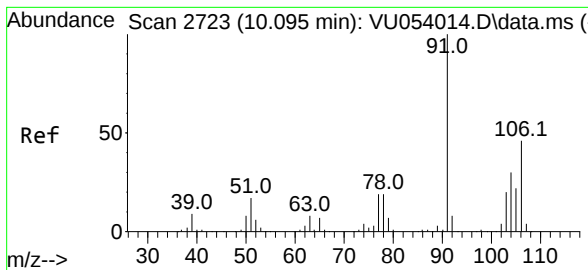
Tgt Ion: 91 Resp: 412525
Ion Ratio Lower Upper
91 100
106 31.5 21.3 39.6



#53
m,p-Xylene
Concen: 49.905 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion: 106 Resp: 160194
Ion Ratio Lower Upper
106 100
91 201.1 140.5 260.9

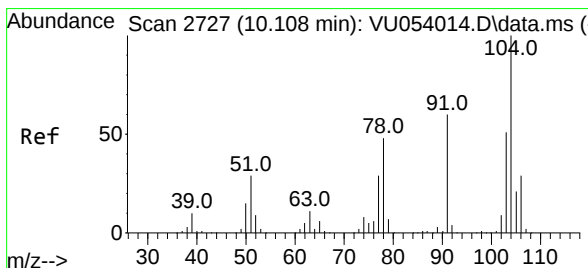
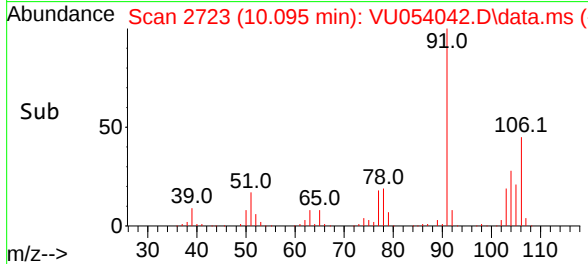
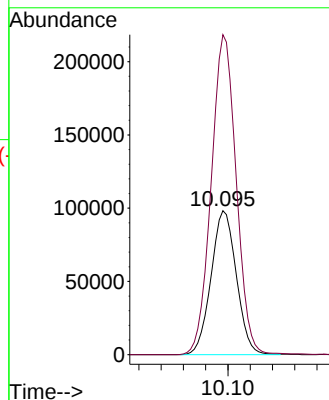
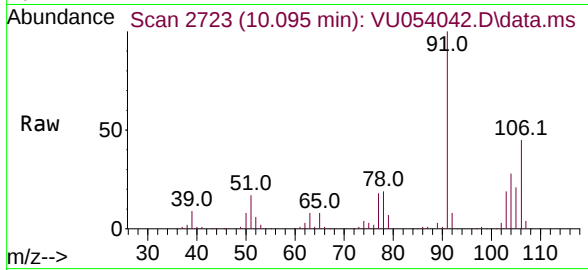




#54
o-Xylene
Concen: 49.337 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

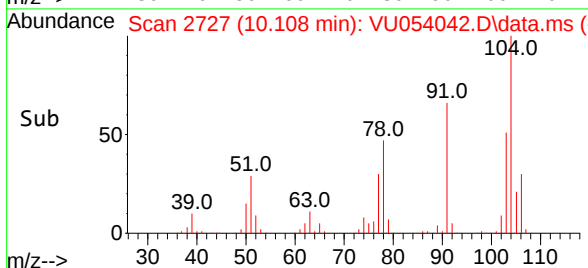
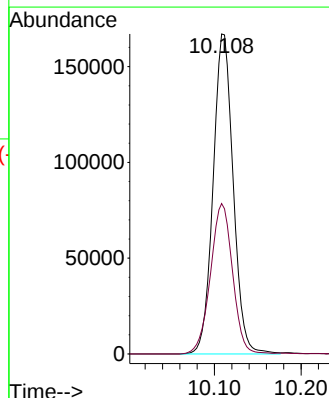
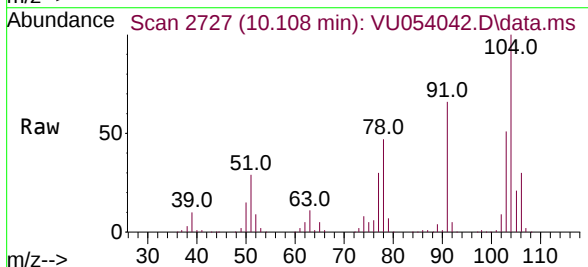
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

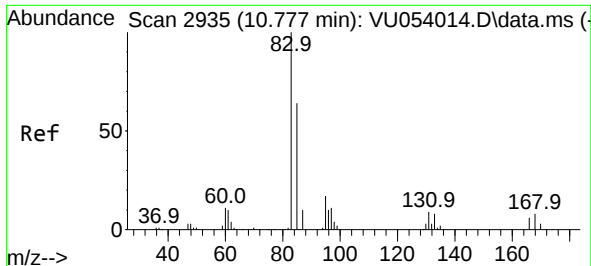
Tgt Ion:106 Resp: 154937
Ion Ratio Lower Upper
106 100
91 222.1 154.9 287.7



#55
Styrene
Concen: 49.977 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion:104 Resp: 269198
Ion Ratio Lower Upper
104 100
78 47.0 33.2 61.7

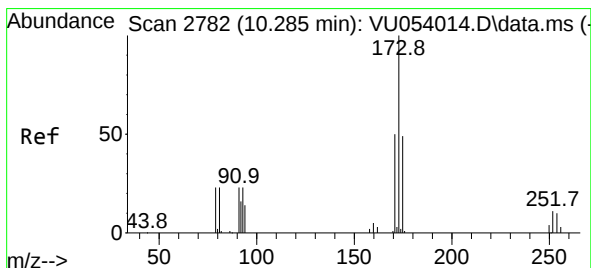
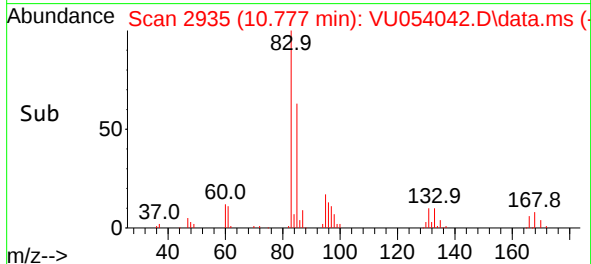
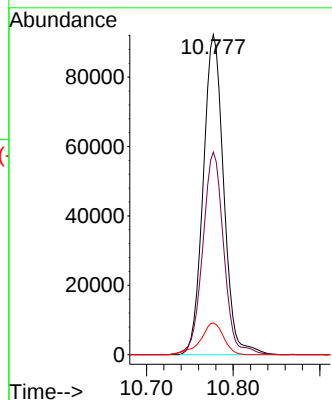
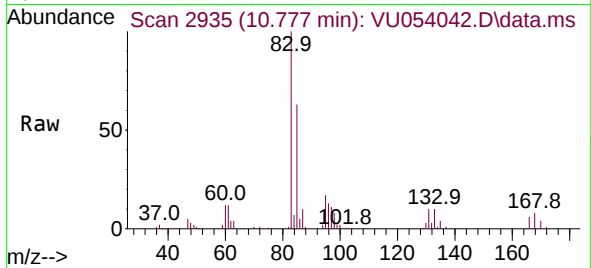




#57
 1,1,2,2-Tetrachloroethane
 Concen: 48.187 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU054042.D
 Acq: 02 May 2023 09:37

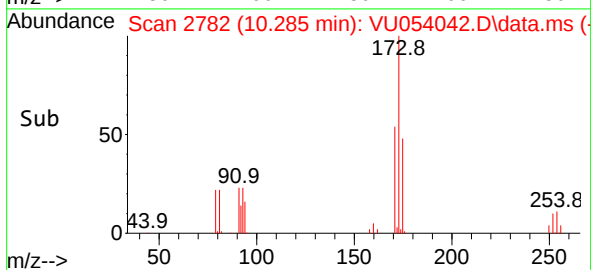
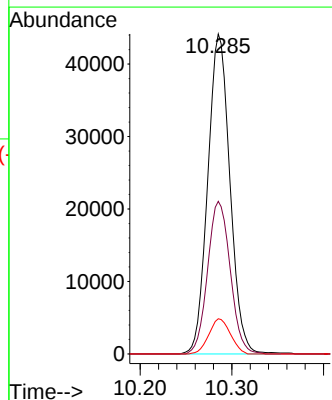
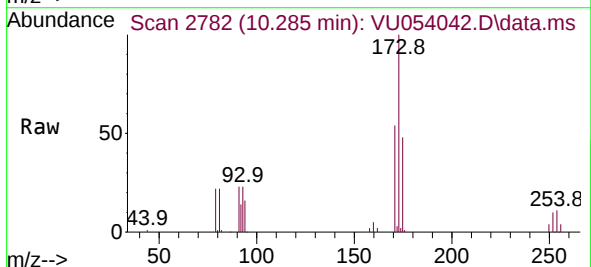
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050087

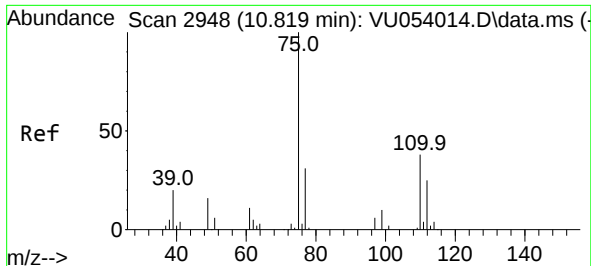
Tgt Ion: 83 Resp: 151659
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.1 83.9
 131 9.9 8.2 12.2



#59
 Bromoform
 Concen: 47.395 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU054042.D
 Acq: 02 May 2023 09:37

Tgt Ion: 173 Resp: 74109
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.9 58.3
 254 10.7 8.5 12.7

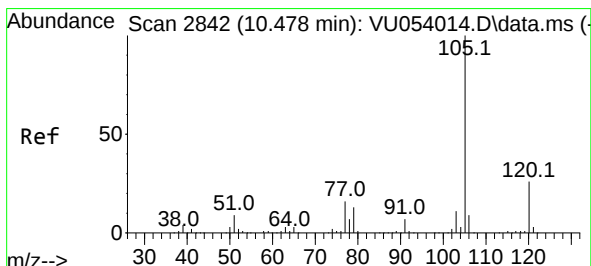
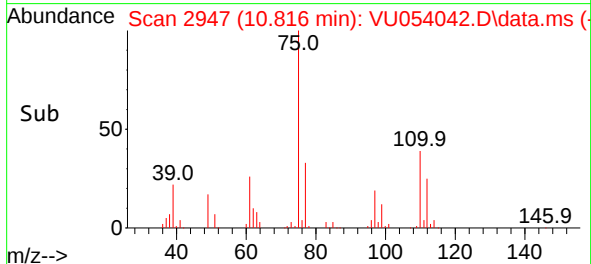
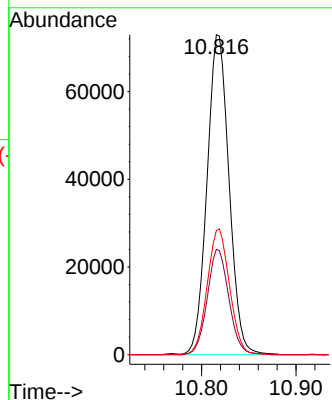
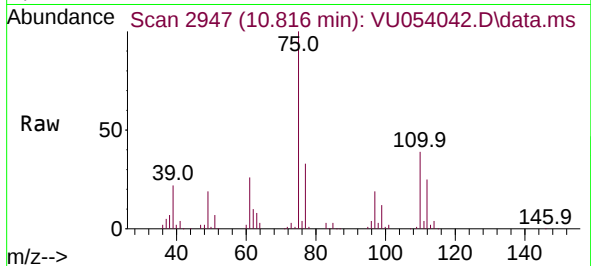




#60
1,2,3-Trichloropropane
Concen: 45.504 ug/L
RT: 10.816 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

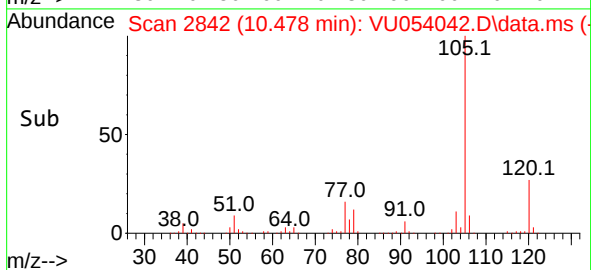
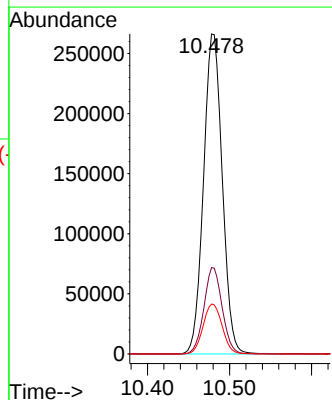
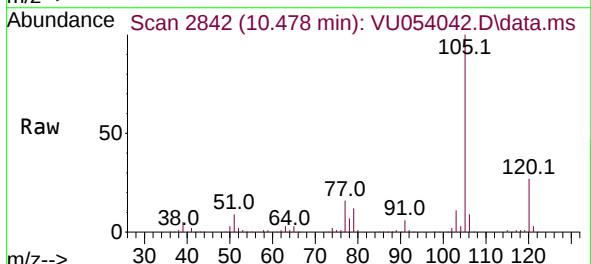
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

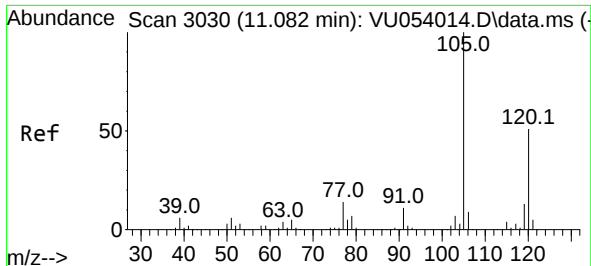
Tgt Ion: 75 Resp: 118051
Ion Ratio Lower Upper
75 100
77 32.3 26.0 39.0
110 39.8 31.8 47.8



#61
Isopropylbenzene
Concen: 47.881 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion: 105 Resp: 422142
Ion Ratio Lower Upper
105 100
120 26.3 21.3 31.9
77 15.9 12.7 19.1





#62

1,3,5-Trimethylbenzene

Concen: 47.862 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

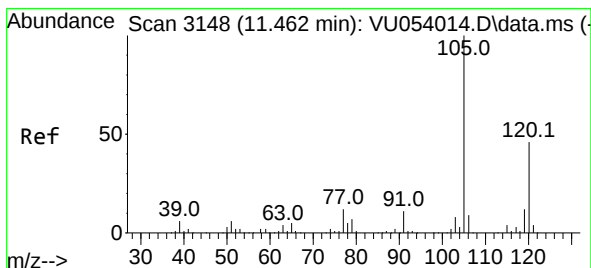
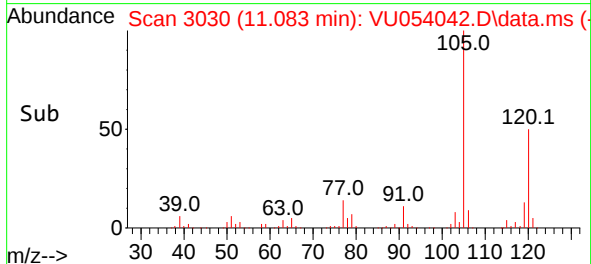
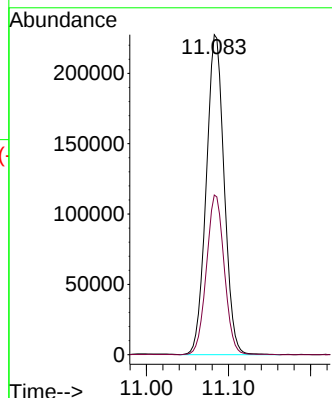
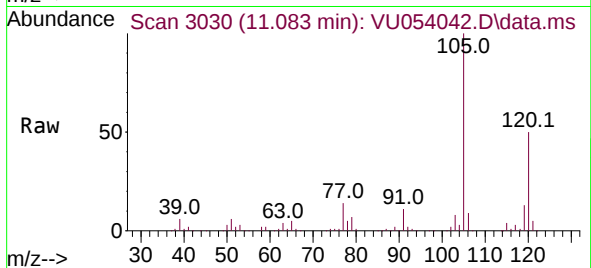
VSTD050087

Tgt Ion:105 Resp: 345782

Ion Ratio Lower Upper

105 100

120 49.7 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 48.250 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU054042.D

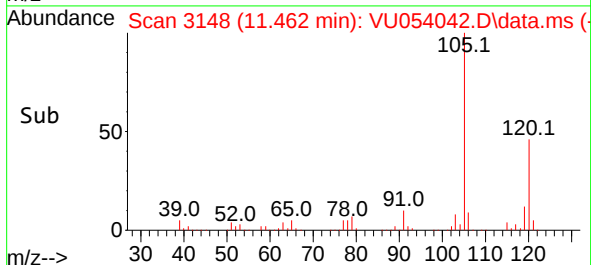
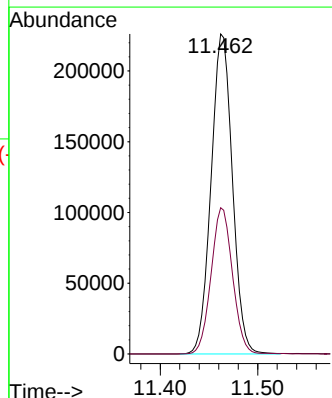
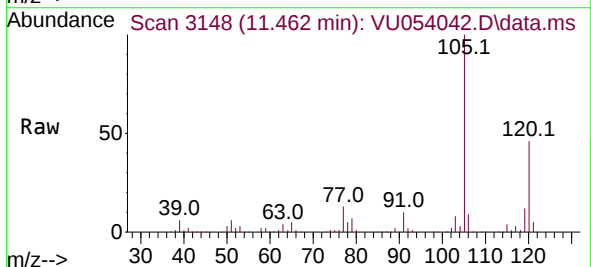
Acq: 02 May 2023 09:37

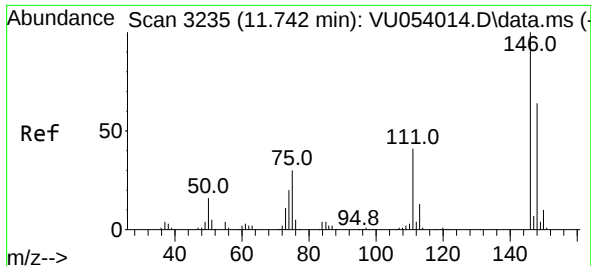
Tgt Ion:105 Resp: 343589

Ion Ratio Lower Upper

105 100

120 45.7 36.5 54.7

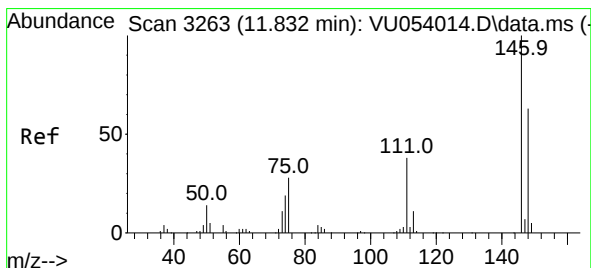
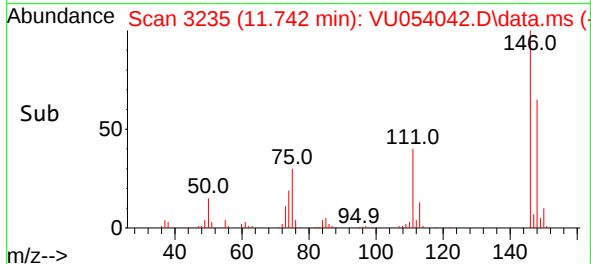
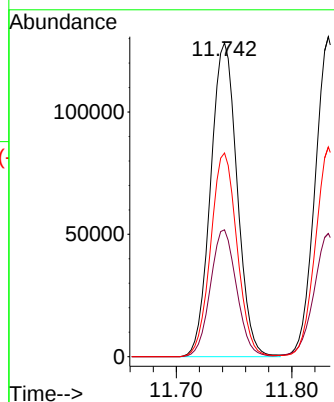
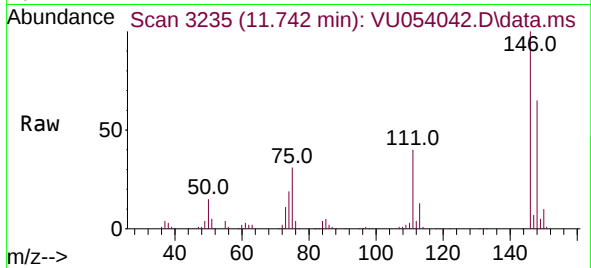




#64
1,3-Dichlorobenzene
Concen: 47.486 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

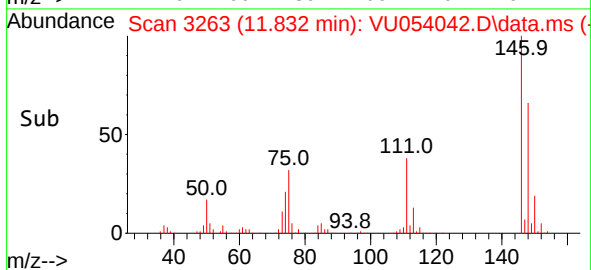
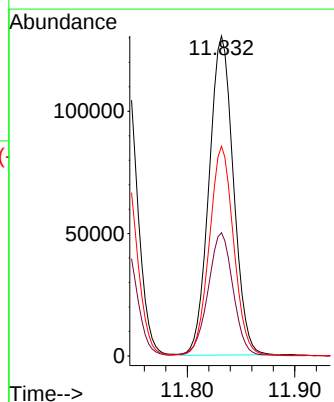
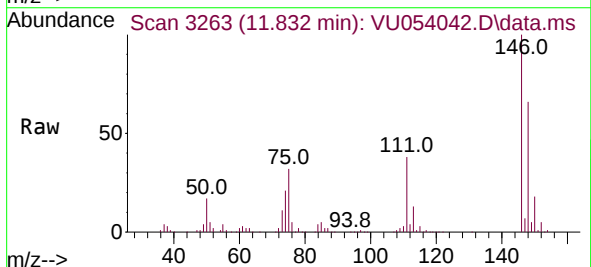
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

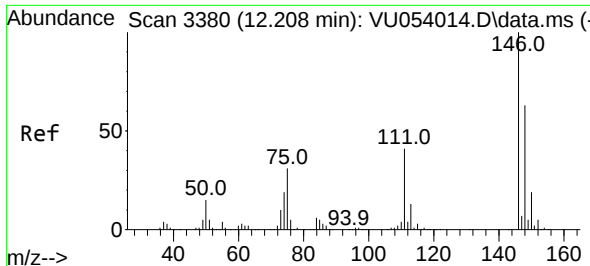
Tgt Ion:146 Resp: 204757
Ion Ratio Lower Upper
146 100
111 40.4 27.9 51.7
148 64.9 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 46.859 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054042.D
Acq: 02 May 2023 09:37

Tgt Ion:146 Resp: 205779
Ion Ratio Lower Upper
146 100
111 38.5 27.9 51.7
148 65.5 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 47.306 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050087

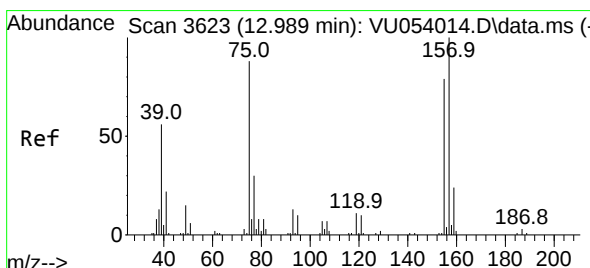
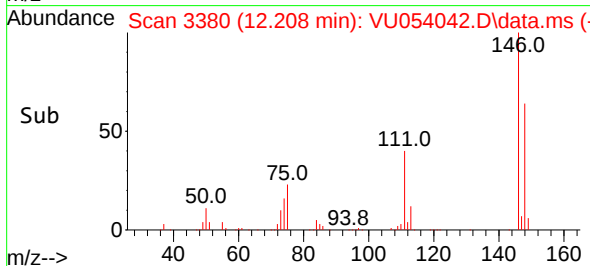
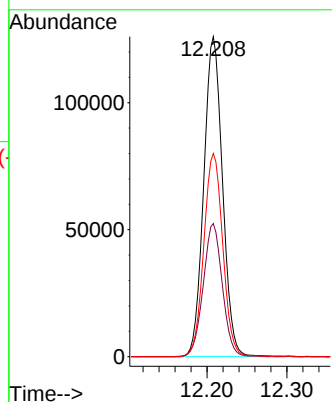
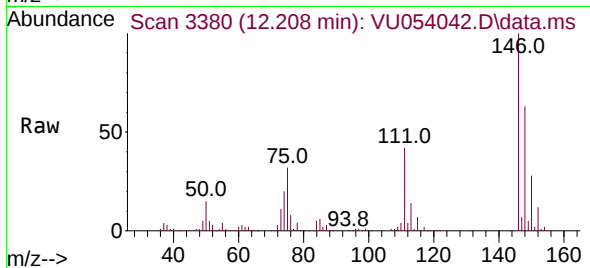
Tgt Ion:146 Resp: 205867

Ion Ratio Lower Upper

146 100

111 41.6 33.4 50.0

148 63.5 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 46.272 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

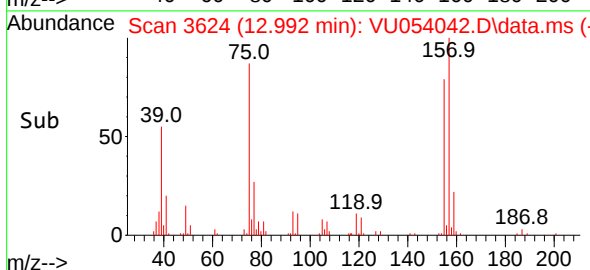
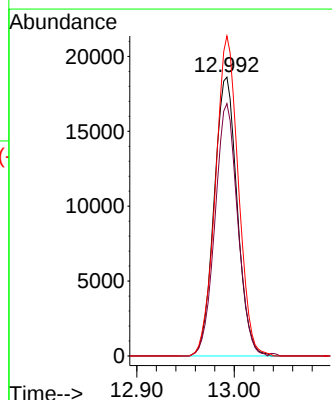
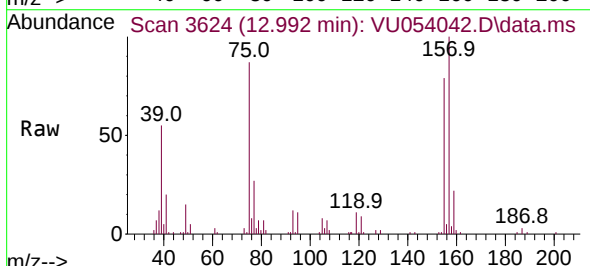
Tgt Ion: 75 Resp: 30625

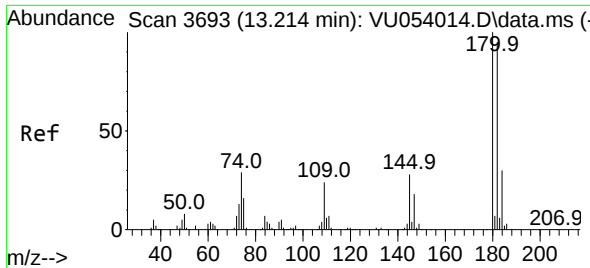
Ion Ratio Lower Upper

75 100

155 90.5 67.8 101.6

157 114.7 88.3 132.5

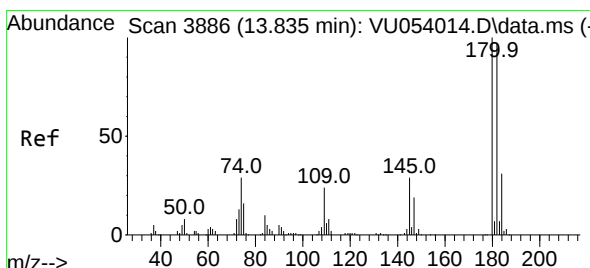
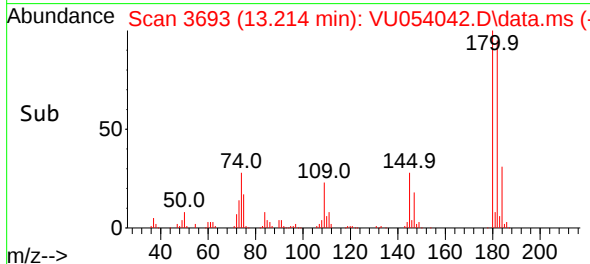
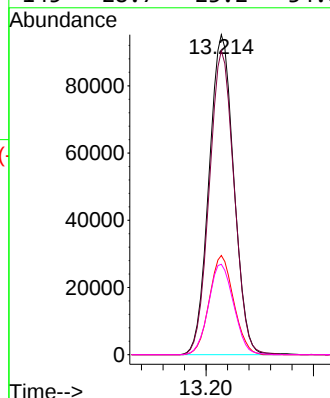
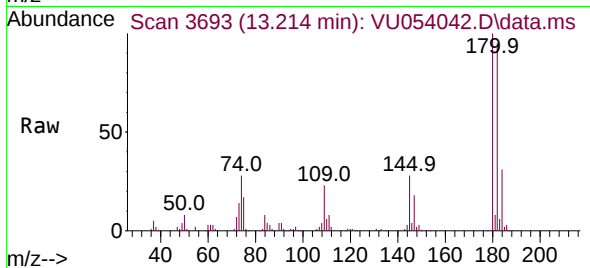




#69
 1,3,5-Trichlorobenzene
 Concen: 48.805 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU054042.D
 Acq: 02 May 2023 09:37

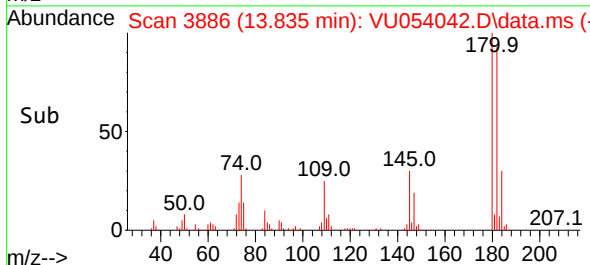
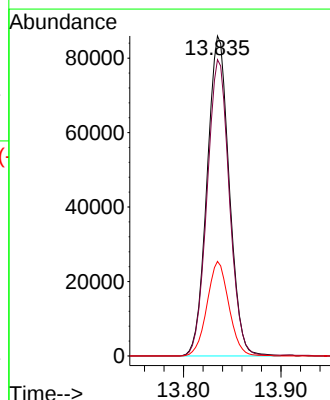
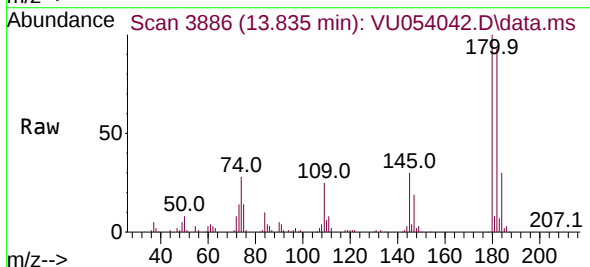
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050087

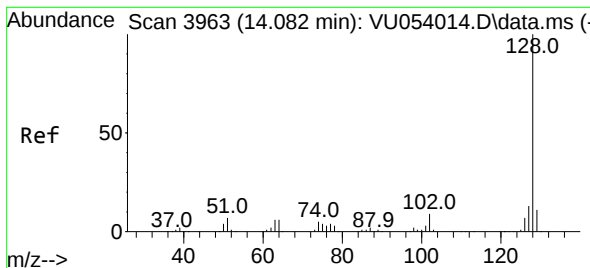
Tgt Ion:	180	Resp:	152495
Ion Ratio	Lower	Upper	
180	100		
182	94.7	76.0	114.0
184	30.4	24.2	36.2
145	28.7	23.2	34.8



#70
 1,2,4-trichlorobenzene
 Concen: 47.981 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU054042.D
 Acq: 02 May 2023 09:37

Tgt Ion:	180	Resp:	135915
Ion Ratio	Lower	Upper	
180	100		
182	92.9	77.4	116.2
145	29.1	23.8	35.8





#71

Naphthalene

Concen: 46.024 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050087

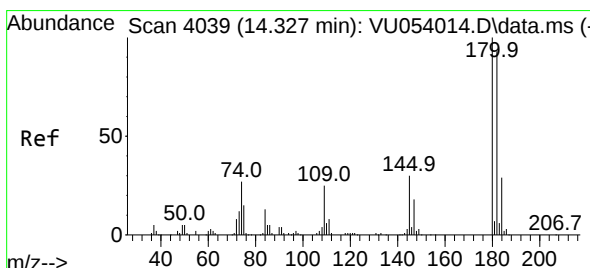
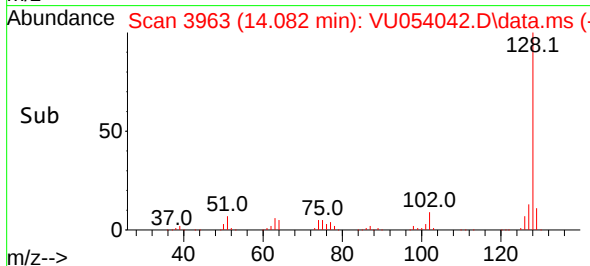
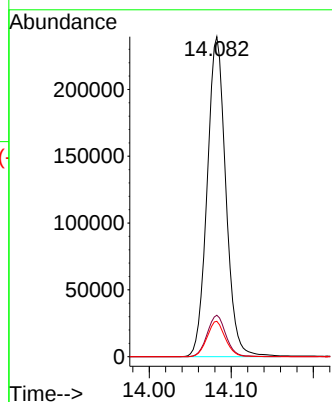
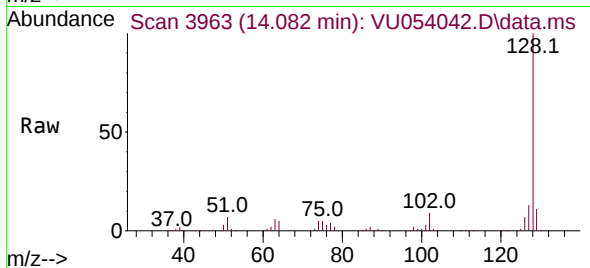
Tgt Ion:128 Resp: 378138

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

129 10.8 8.4 12.6



#72

1,2,3-Trichlorobenzene

Concen: 47.726 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. -0.003 min

Lab File: VU054042.D

Acq: 02 May 2023 09:37

Tgt Ion:180 Resp: 134482

Ion Ratio Lower Upper

180 100

182 96.3 76.6 114.8

145 31.8 24.9 37.3

