

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050523\
 Data File : VU054072.D
 Acq On : 05 May 2023 16:26
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

Quant Time: May 06 01:17:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 06 01:14:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	244280	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	233201	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	131003	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	73283	39.666	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.340%
7) Chloroethane-d5	1.906	69	51361	42.351	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.700%
11) 1,1-Dichloroethene-d2	2.565	63	144783	44.184	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.360%
21) 2-Butanone-d5	4.620	46	111858	106.157	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.160%
24) Chloroform-d	5.057	84	161383	47.561	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.120%
26) 1,2-Dichloroethane-d4	5.694	65	105548	48.447	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.900%
32) Benzene-d6	5.722	84	312544	45.532	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.060%
36) 1,2-Dichloropropane-d6	6.684	67	97983	45.216	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.440%
41) Toluene-d8	7.893	98	288396	46.536	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.080%
43) trans-1,3-Dichloroprop...	8.173	79	50581	47.166	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.340%
47) 2-Hexanone-d5	8.629	63	76625	98.724	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.720%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	143199	50.168	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.340%
66) 1,2-Dichlorobenzene-d4	12.188	152	123856	48.397	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	78578	44.584	ug/L	98
3) Chloromethane	1.517	50	72217	44.584	ug/L	98
5) Vinyl chloride	1.604	62	78301	45.449	ug/L	98
6) Bromomethane	1.854	94	40846	42.531	ug/L	94
8) Chloroethane	1.928	64	43103	45.912	ug/L	98
9) Trichlorofluoromethane	2.134	101	129217	47.264	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	75903	46.422	ug/L	99
12) 1,1-Dichloroethene	2.575	96	66021	46.593	ug/L	94
13) Acetone	2.629	43	74469	72.003	ug/L	98
14) Carbon disulfide	2.790	76	143513	45.633	ug/L	98
15) Methyl Acetate	2.944	43	79032	48.794	ug/L	98
16) Methylene chloride	3.041	84	83153	46.530	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	66500	45.897	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	256671	48.186	ug/L	98
19) 1,1-Dichloroethane	3.864	63	147089	47.281	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	85919	48.255	ug/L	95
22) 2-Butanone	4.700	43	112147	91.844	ug/L	96
23) Bromochloromethane	4.967	128	44403	48.102	ug/L	96
25) Chloroform	5.079	83	158452	48.267	ug/L	98

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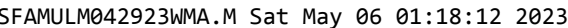
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

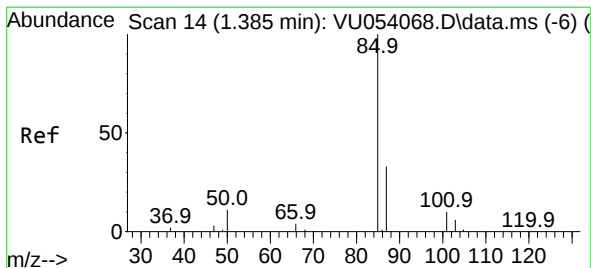
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	120944	47.897	ug/L	99
29) Cyclohexane	5.382	56	105690	43.852	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	135806	46.721	ug/L	99
31) Carbon tetrachloride	5.517	117	115411	46.541	ug/L	99
33) Benzene	5.767	78	312430	46.029	ug/L	100
34) Trichloroethene	6.536	95	81680	45.339	ug/L	98
35) Methylcyclohexane	6.758	83	111520	44.138	ug/L	98
37) 1,2-Dichloropropane	6.784	63	87199	45.407	ug/L	100
38) Bromodichloromethane	7.099	83	114196	47.200	ug/L	98
39) cis-1,3-Dichloropropene	7.600	75	138885	46.231	ug/L	97
40) 4-Methyl-2-pentanone	7.783	43	218994	97.855	ug/L	100
42) Toluene	7.964	91	333282	47.165	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	131446	46.041	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	87364	47.001	ug/L	97
46) Tetrachloroethene	8.549	164	63394	44.355	ug/L	98
48) 2-Hexanone	8.681	43	172105	97.039	ug/L	99
49) Dibromochloromethane	8.803	129	88851	48.510	ug/L	99
50) 1,2-Dibromoethane	8.918	107	90992	48.229	ug/L	99
51) Chlorobenzene	9.443	112	220492	46.652	ug/L	99
52) Ethylbenzene	9.565	91	366438	46.075	ug/L	99
53) m,p-Xylene	9.687	106	140971	47.204	ug/L	98
54) o-Xylene	10.095	106	142042	48.617	ug/L	97
55) Styrene	10.108	104	243097	48.510	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	142280	48.592	ug/L	99
59) Bromoform	10.285	173	69645	47.486	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	111863	45.971	ug/L	100
61) Isopropylbenzene	10.478	105	376824	45.568	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	312778	46.157	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	308412	46.175	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	184813	45.696	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	185528	45.042	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	190090	46.570	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	30057	48.417	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	136538	46.588	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	122956	46.278	ug/L	99
71) Naphthalene	14.079	128	360401	46.766	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	125503	47.485	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 44.584 ug/L

RT: 1.382 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

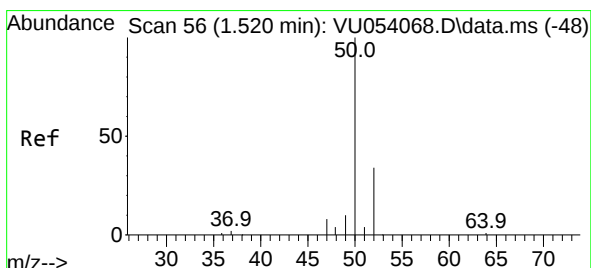
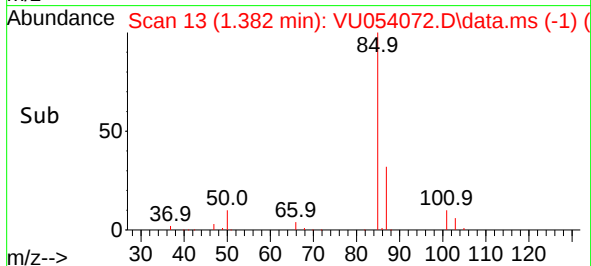
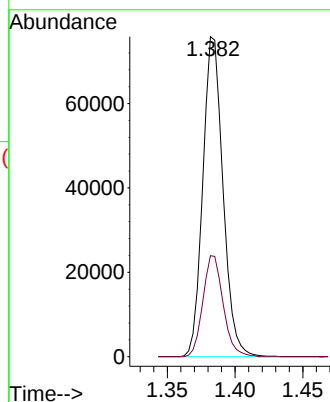
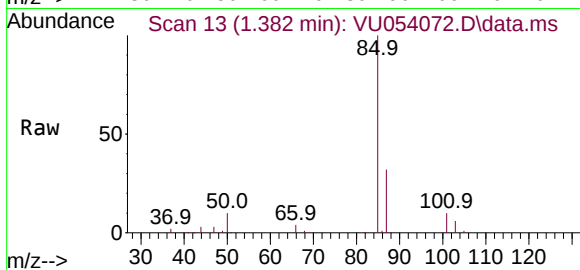
VSTD050092

Tgt Ion: 85 Resp: 78578

Ion Ratio Lower Upper

85 100

87 31.6 26.0 39.0



#3

Chloromethane

Concen: 44.584 ug/L

RT: 1.517 min Scan# 55

Delta R.T. -0.003 min

Lab File: VU054072.D

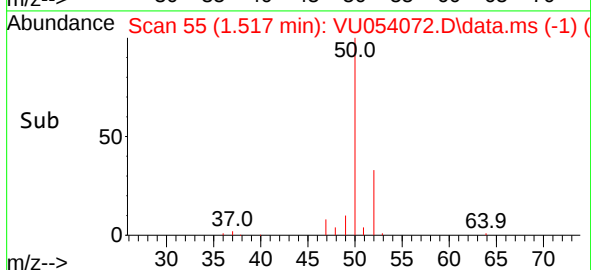
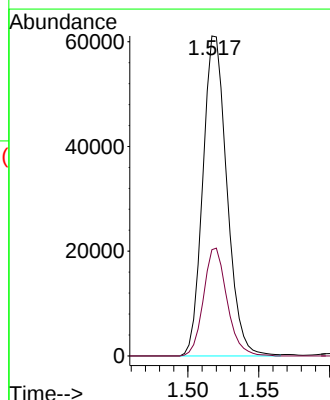
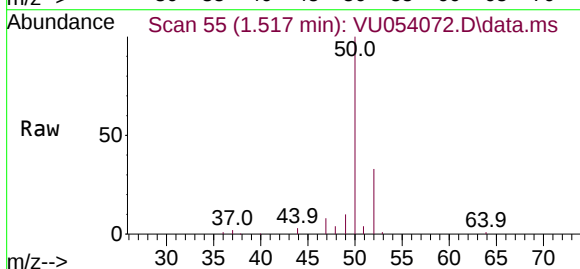
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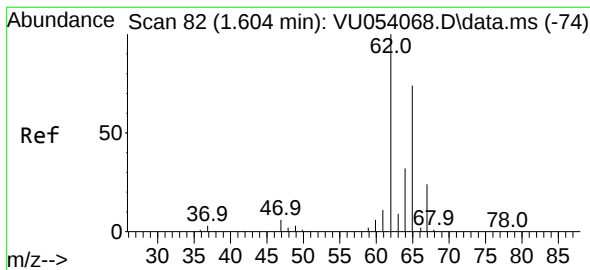
Tgt Ion: 50 Resp: 72217

Ion Ratio Lower Upper

50 100

52 33.2 22.4 41.6





#5

Vinyl chloride

Concen: 45.449 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

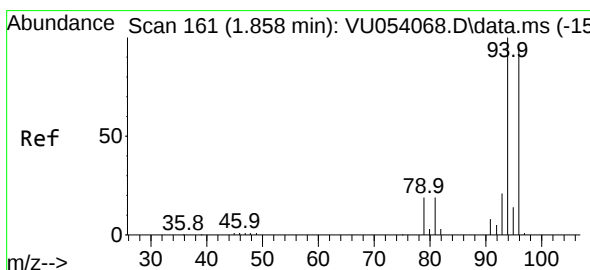
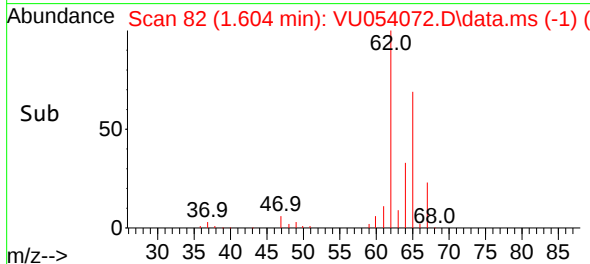
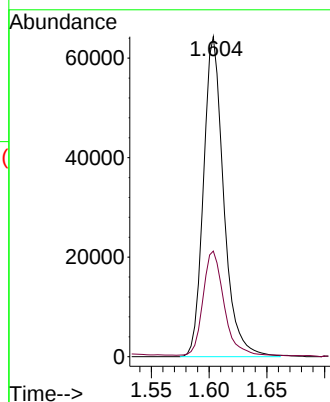
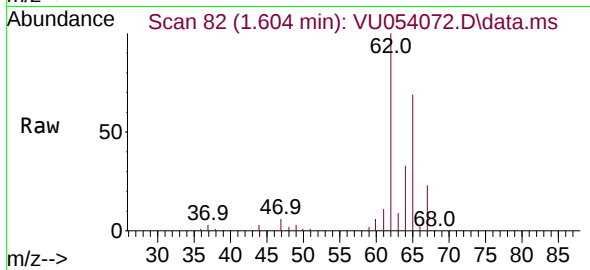
VSTD050092

Tgt Ion: 62 Resp: 78301

Ion Ratio Lower Upper

62 100

64 33.0 24.1 44.7



#6

Bromomethane

Concen: 42.531 ug/L

RT: 1.854 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU054072.D

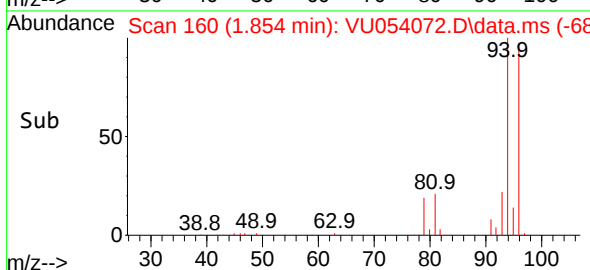
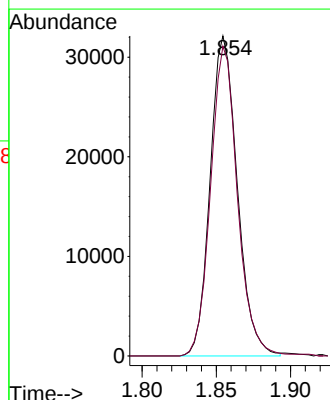
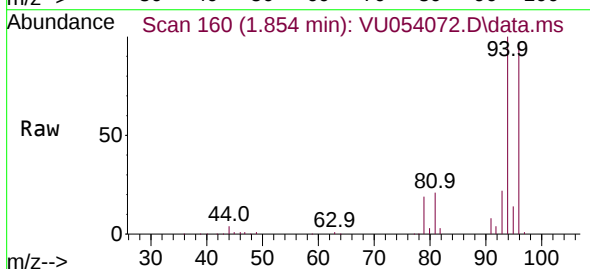
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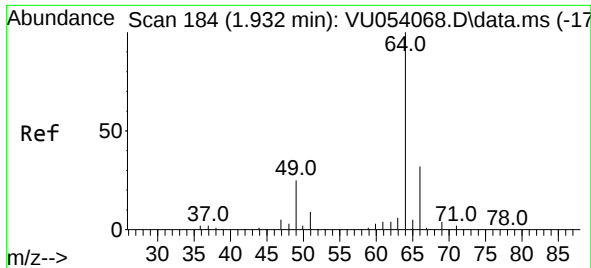
Tgt Ion: 94 Resp: 40846

Ion Ratio Lower Upper

94 100

96 96.8 63.9 118.7

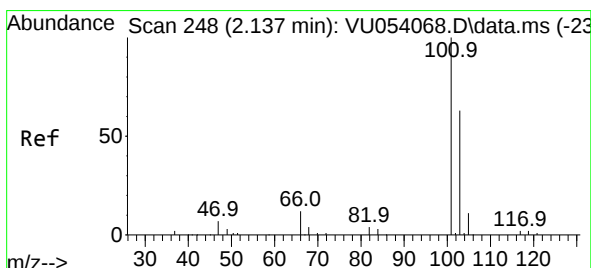
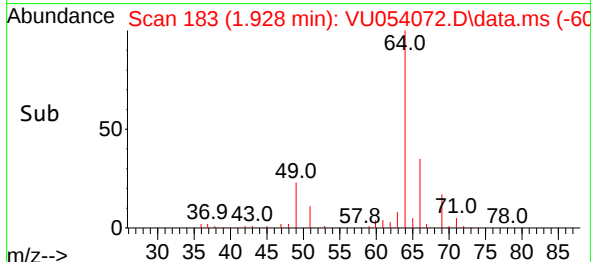
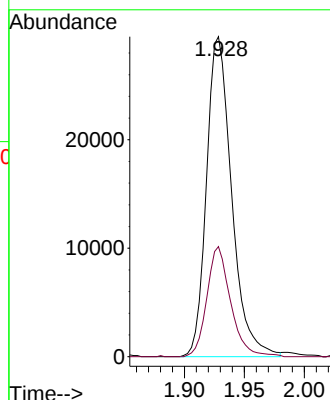
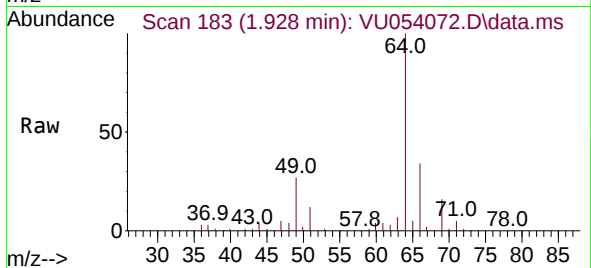




#8
Chloroethane
Concen: 45.912 ug/L
RT: 1.928 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

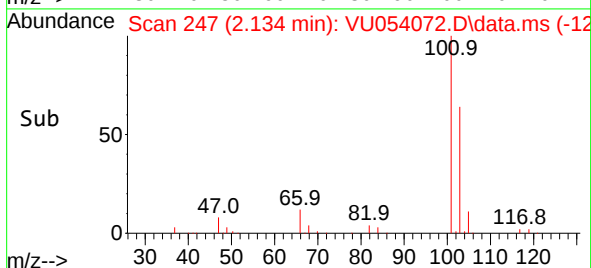
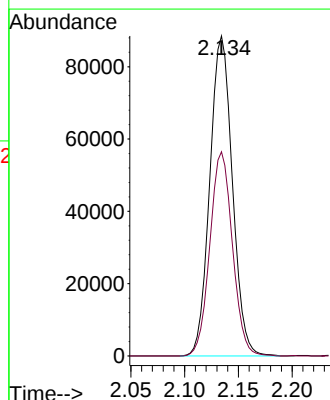
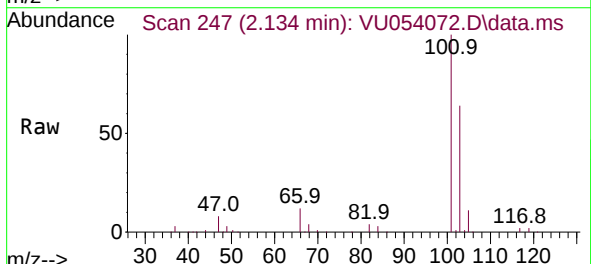
Instrument :
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VSTD050092

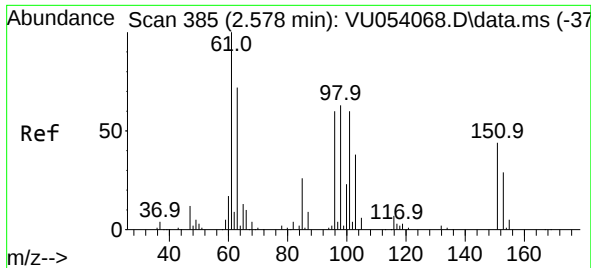
Tgt Ion: 64 Resp: 43103
Ion Ratio Lower Upper
64 100
66 34.4 23.1 42.9



#9
Trichlorofluoromethane
Concen: 47.264 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion:101 Resp: 129217
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.4

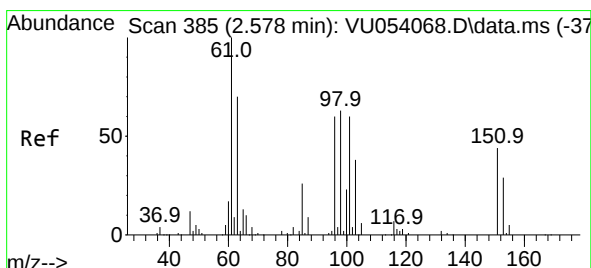
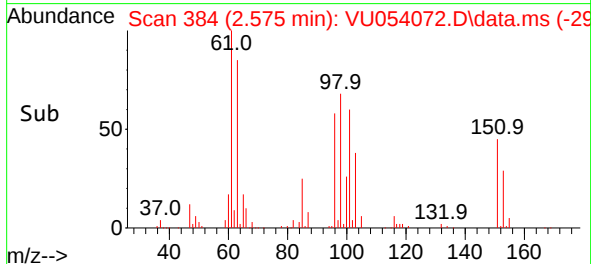
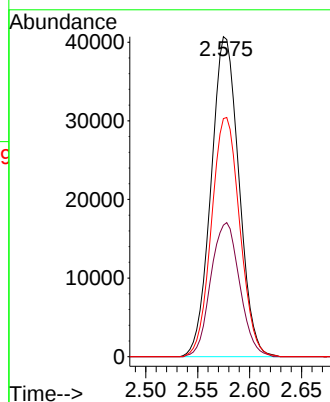
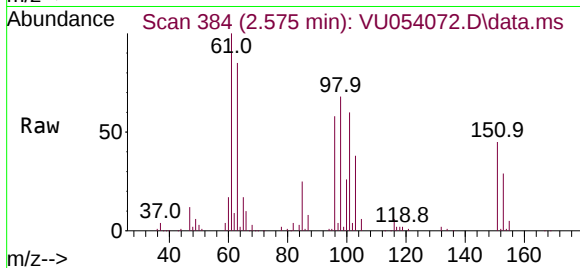




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.422 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU054072.D
 Acq: 05 May 2023 16:26

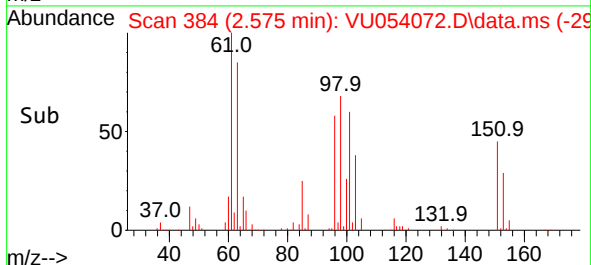
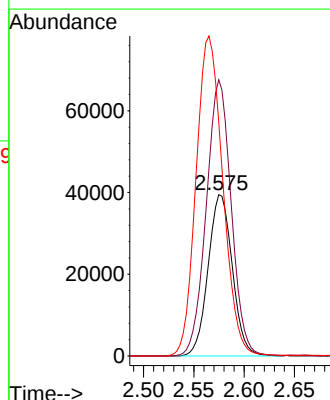
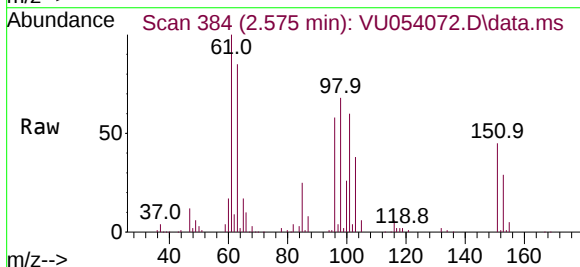
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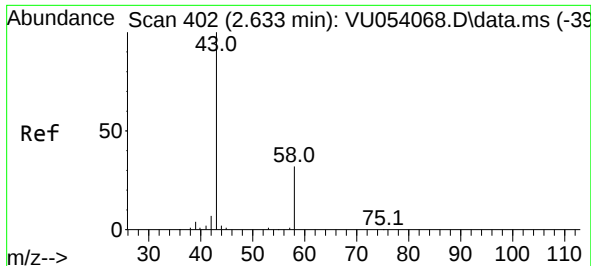
Tgt Ion:101 Resp: 75903
 Ion Ratio Lower Upper
 101 100
 85 43.3 34.3 51.5
 151 76.1 60.3 90.5



#12
 1,1-Dichloroethene
 Concen: 46.593 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU054072.D
 Acq: 05 May 2023 16:26

Tgt Ion: 96 Resp: 66021
 Ion Ratio Lower Upper
 96 100
 61 171.1 118.3 219.7
 63 144.8 92.3 171.5





#13

Acetone

Concen: 72.003 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

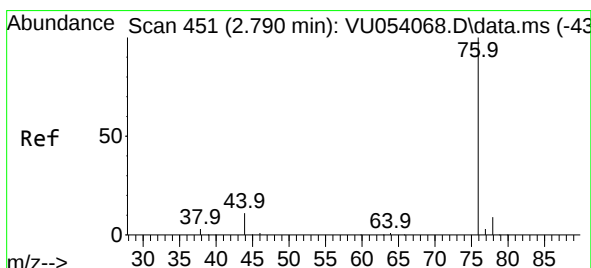
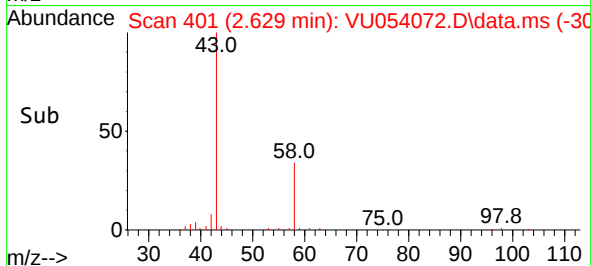
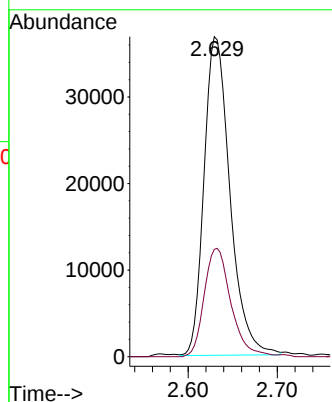
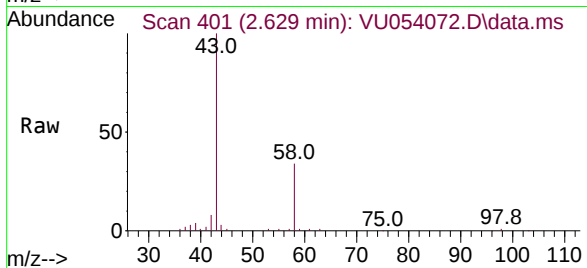
VSTD050092

Tgt Ion: 43 Resp: 74469

Ion Ratio Lower Upper

43 100

58 35.0 0.0 67.4



#14

Carbon disulfide

Concen: 45.633 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU054072.D

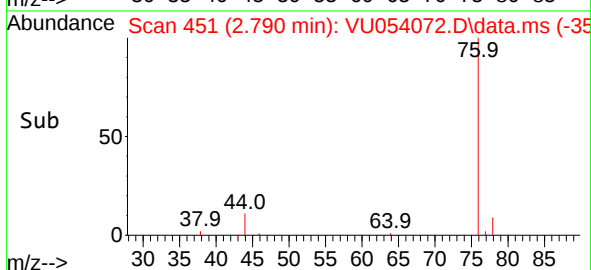
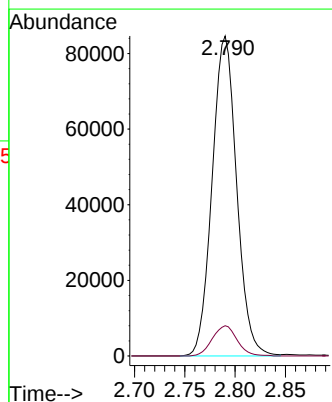
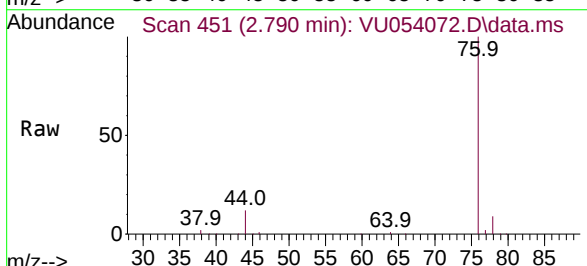
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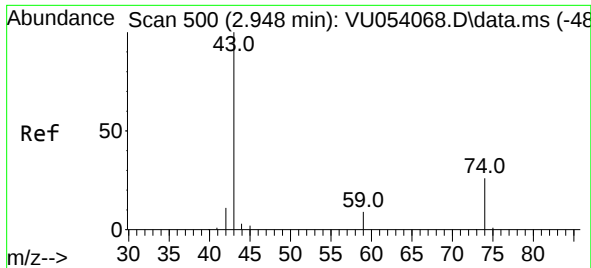
Tgt Ion: 76 Resp: 143513

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4

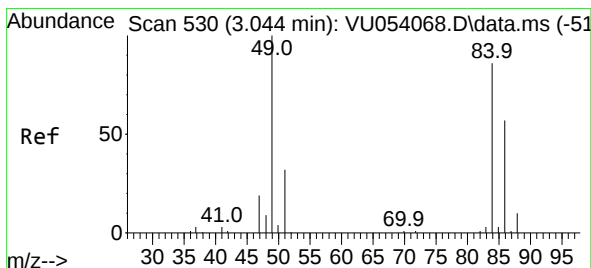
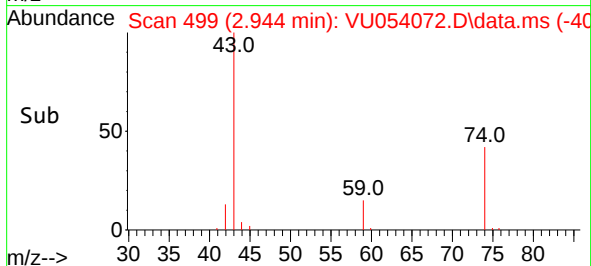
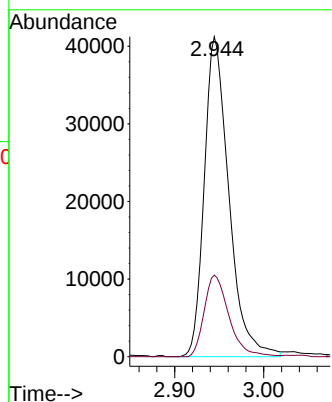
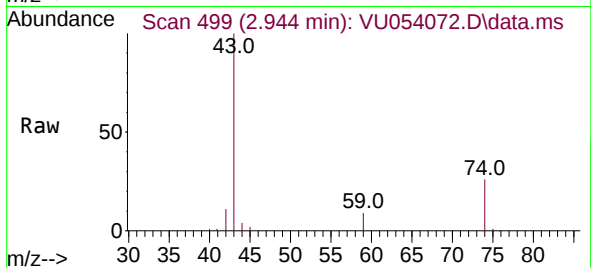




#15
Methyl Acetate
Concen: 48.794 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

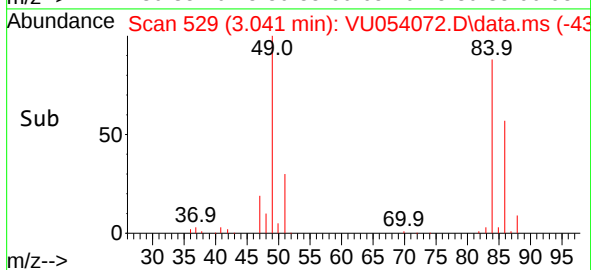
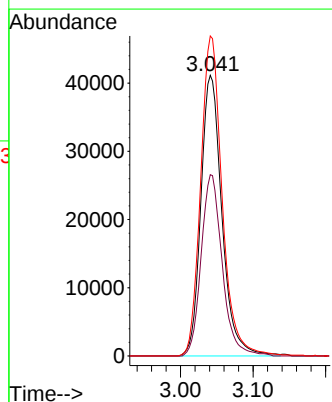
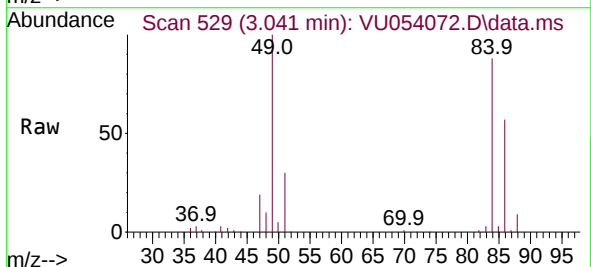
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

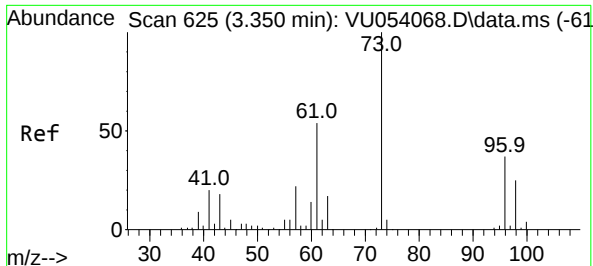
Tgt Ion: 43 Resp: 79032
Ion Ratio Lower Upper
43 100
74 25.6 21.2 31.8



#16
Methylene chloride
Concen: 46.530 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion: 84 Resp: 83153
Ion Ratio Lower Upper
84 100
86 64.6 45.8 85.2
49 114.0 83.0 154.2





#17

trans-1,2-Dichloroethene

Concen: 45.897 ug/L

RT: 3.346 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050092

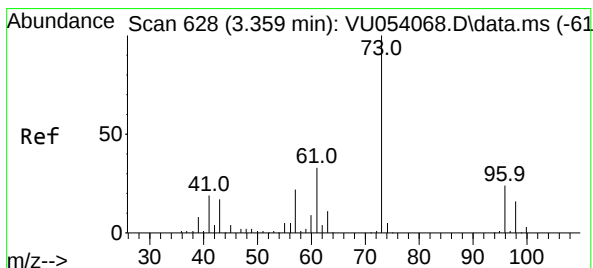
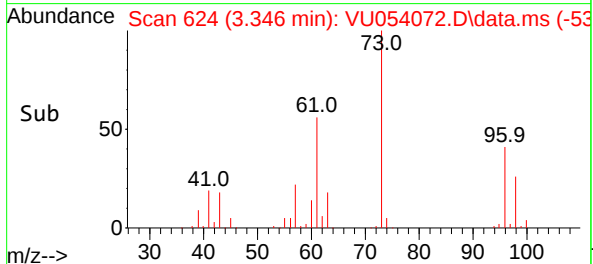
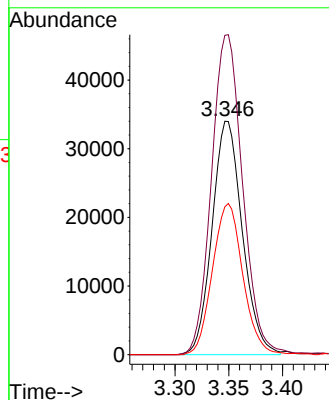
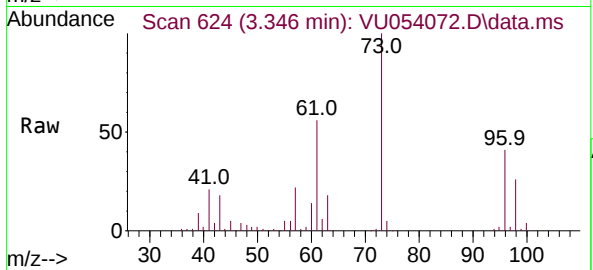
Tgt Ion: 96 Resp: 66500

Ion Ratio Lower Upper

96 100

61 136.8 97.5 181.1

98 63.3 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 48.186 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.003 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

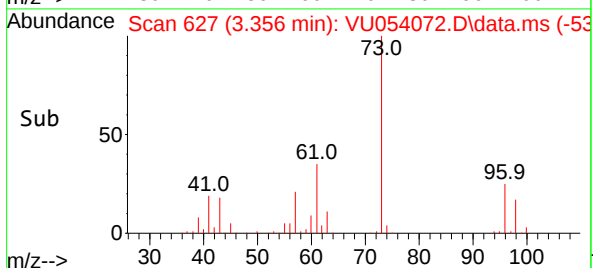
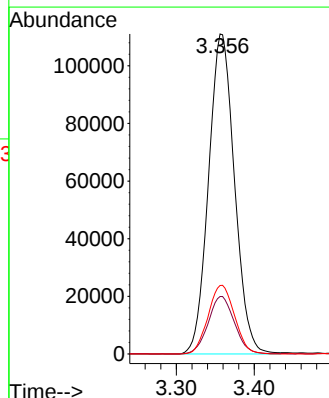
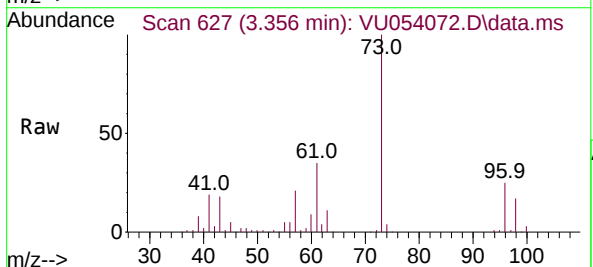
Tgt Ion: 73 Resp: 256671

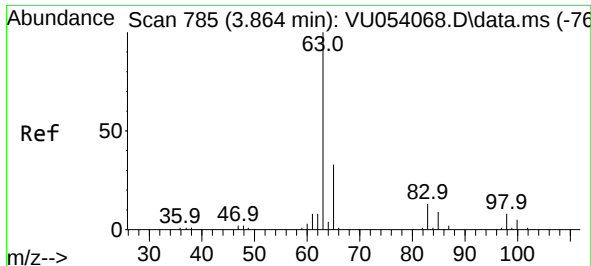
Ion Ratio Lower Upper

73 100

43 18.2 15.4 23.0

57 21.8 18.0 27.0





#19

1,1-Dichloroethane

Concen: 47.281 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050092

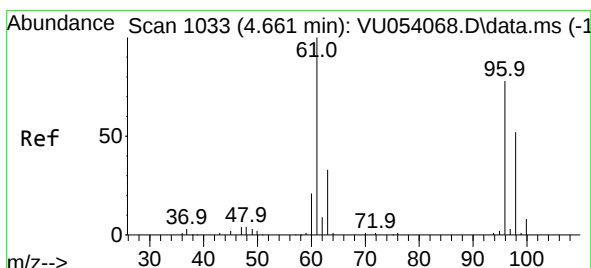
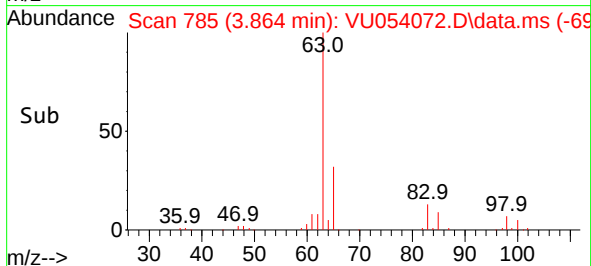
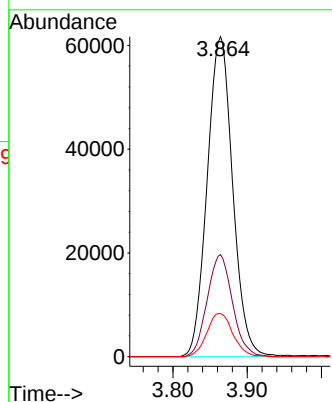
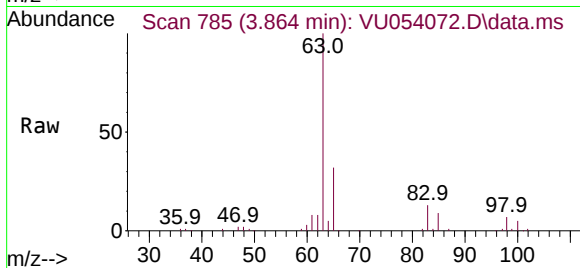
Tgt Ion: 63 Resp: 147089

Ion Ratio Lower Upper

63 100

65 31.9 22.0 40.8

83 13.5 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 48.255 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

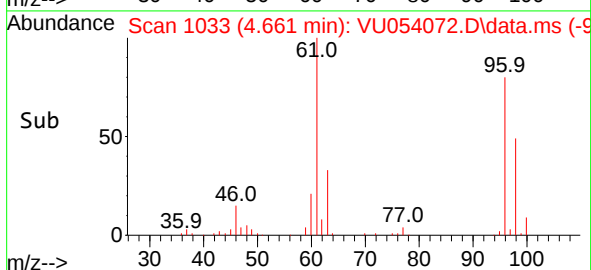
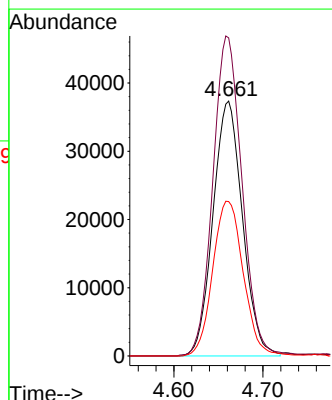
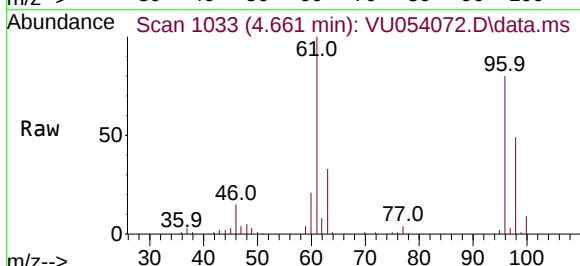
Tgt Ion: 96 Resp: 85919

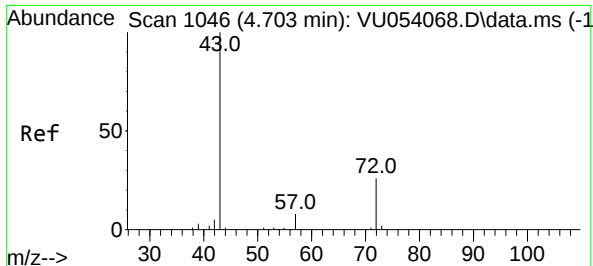
Ion Ratio Lower Upper

96 100

61 124.8 90.9 168.9

98 60.6 45.7 84.9

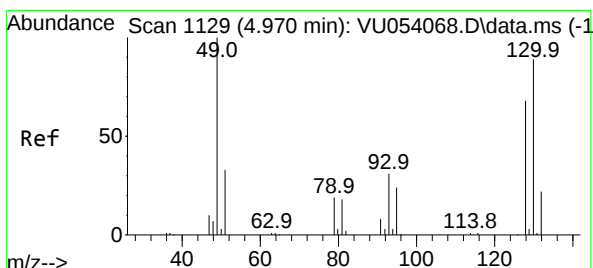
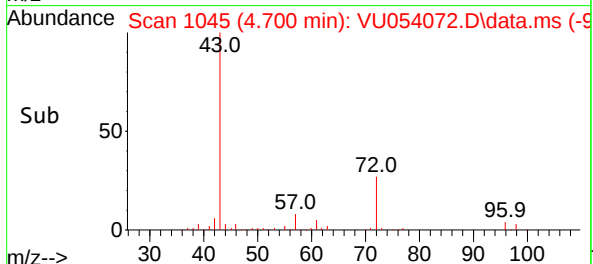
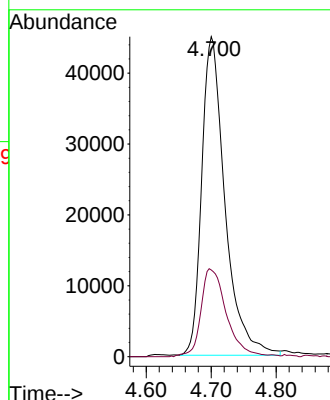
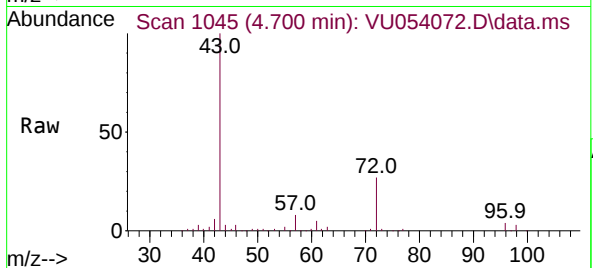




#22
2-Butanone
Concen: 91.844 ug/L
RT: 4.700 min Scan# 112147
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

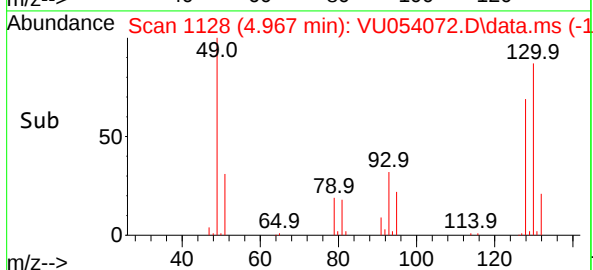
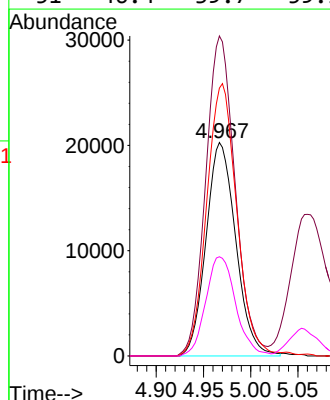
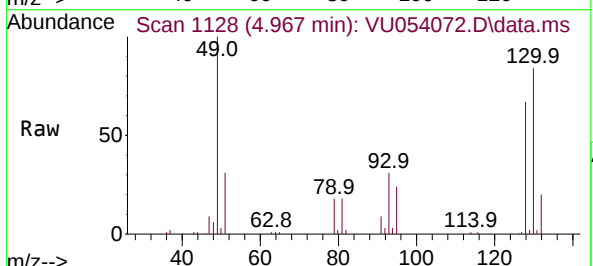
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

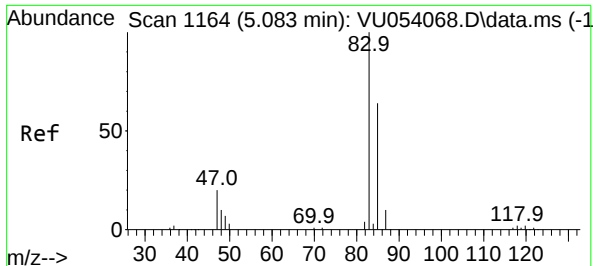
Tgt Ion: 43 Resp: 112147
Ion Ratio Lower Upper
43 100
72 30.0 14.0 41.9



#23
Bromochloromethane
Concen: 48.102 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion:128 Resp: 44403
Ion Ratio Lower Upper
128 100
49 149.9 107.5 199.7
130 125.4 91.0 169.0
51 46.4 39.7 59.5





#25

Chloroform

Concen: 48.267 ug/L

RT: 5.079 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

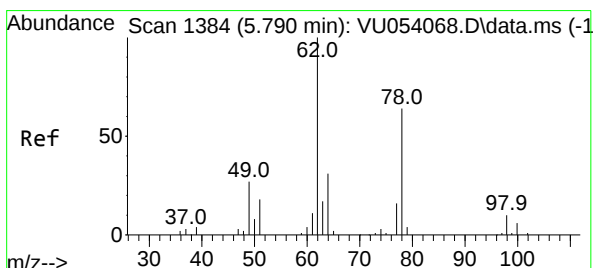
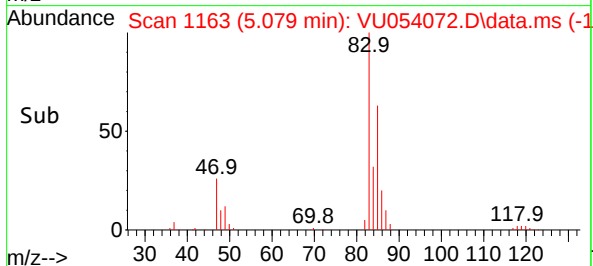
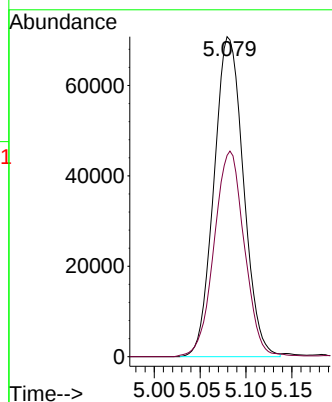
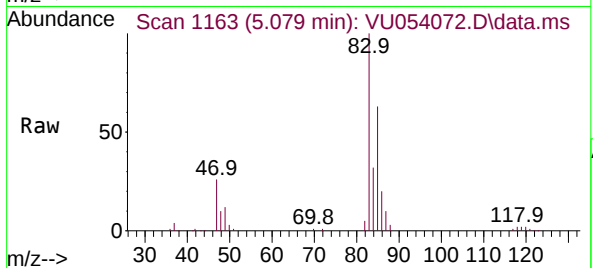
VSTD050092

Tgt Ion: 83 Resp: 158452

Ion Ratio Lower Upper

83 100

85 62.9 45.2 84.0



#27

1,2-Dichloroethane

Concen: 47.897 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU054072.D

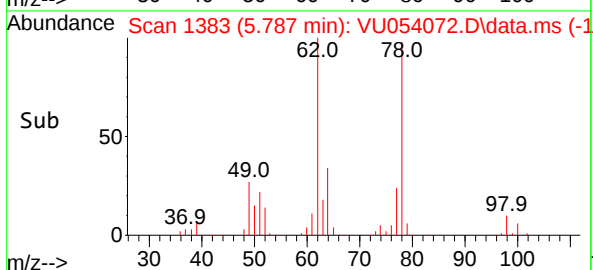
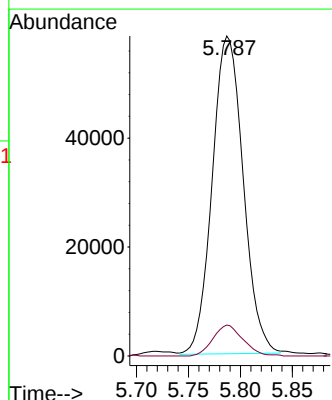
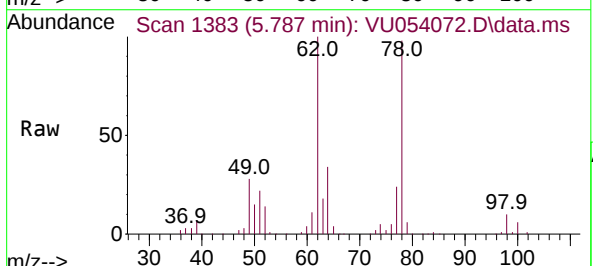
Acq: 05 May 2023 16:26

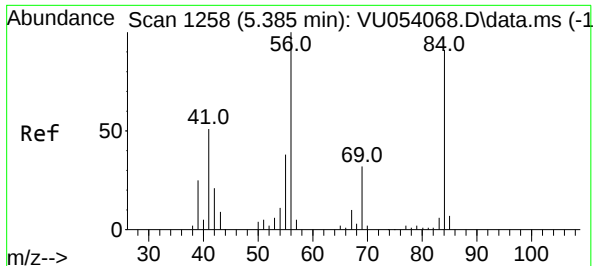
Tgt Ion: 62 Resp: 120944

Ion Ratio Lower Upper

62 100

98 9.7 8.0 12.0





#29

Cyclohexane

Concen: 43.852 ug/L

RT: 5.382 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050092

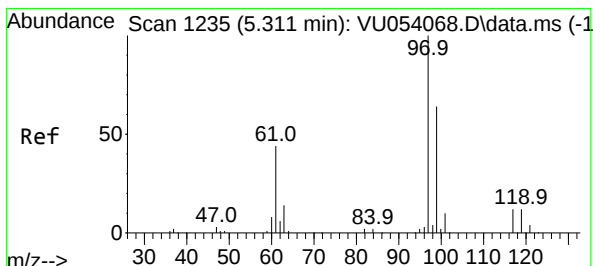
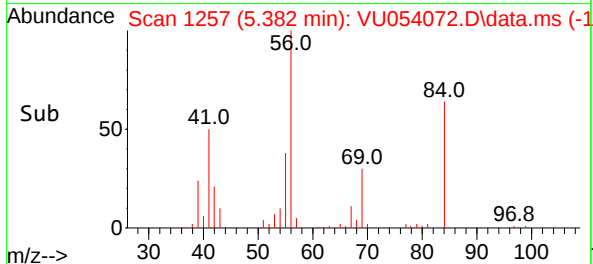
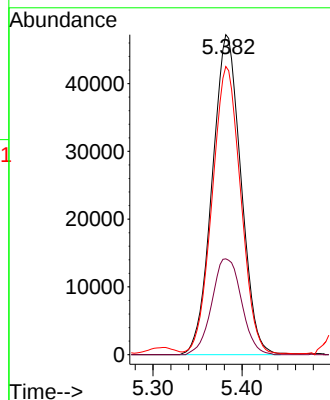
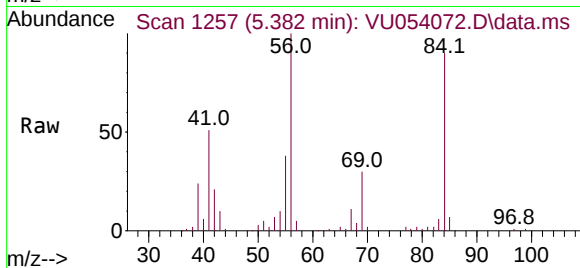
Tgt Ion: 56 Resp: 105690

Ion Ratio Lower Upper

56 100

69 30.9 25.8 38.6

84 89.1 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 46.721 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

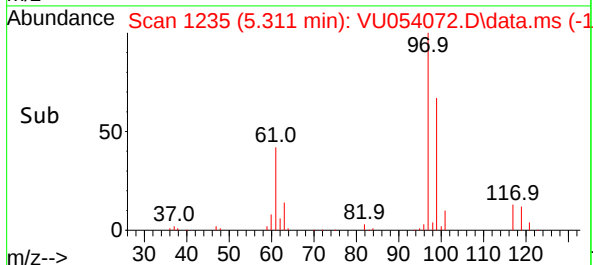
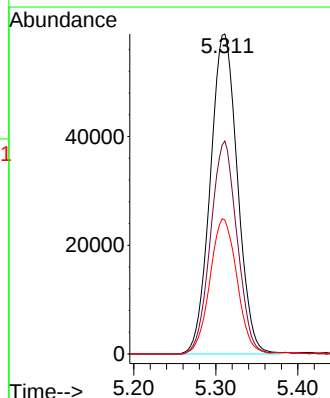
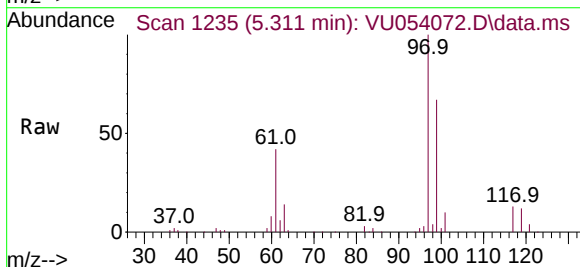
Tgt Ion: 97 Resp: 135806

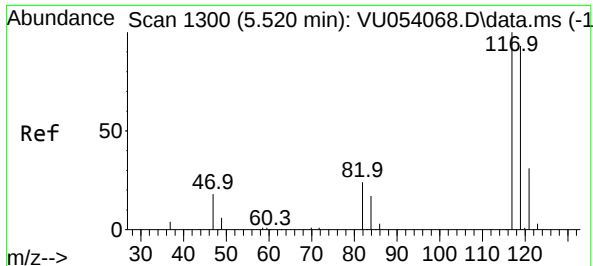
Ion Ratio Lower Upper

97 100

99 64.9 51.2 76.8

61 42.0 34.2 51.4

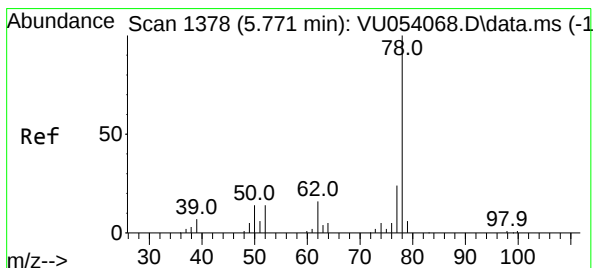
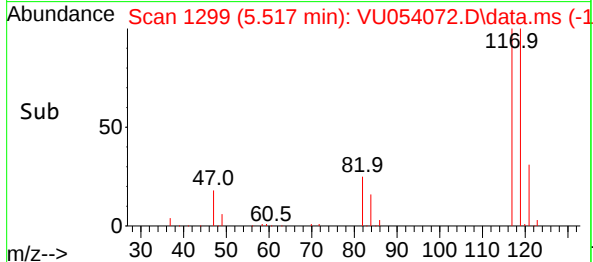
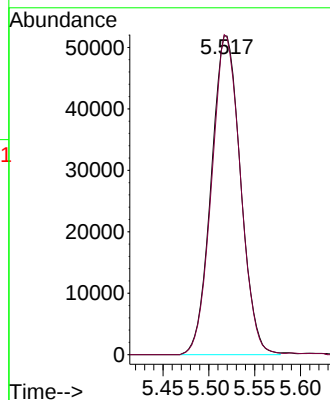
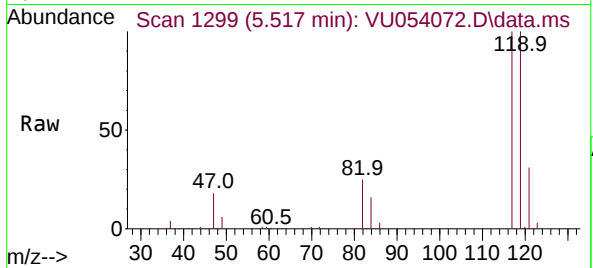




#31
Carbon tetrachloride
Concen: 46.541 ug/L
RT: 5.517 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

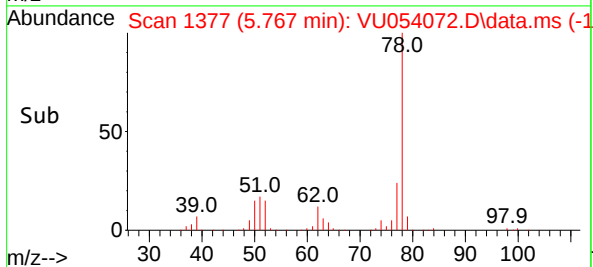
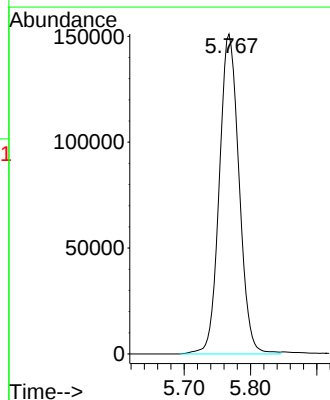
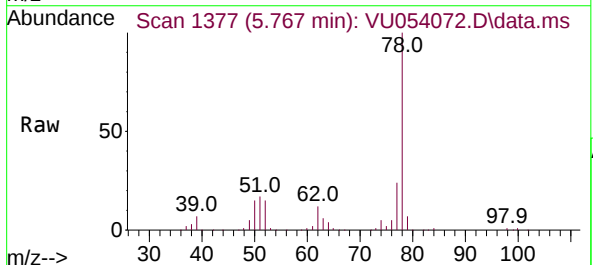
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

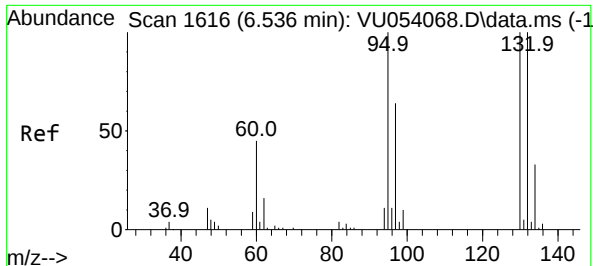
Tgt Ion:117 Resp: 115411
Ion Ratio Lower Upper
117 100
119 98.1 77.8 116.6



#33
Benzene
Concen: 46.029 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion: 78 Resp: 312430

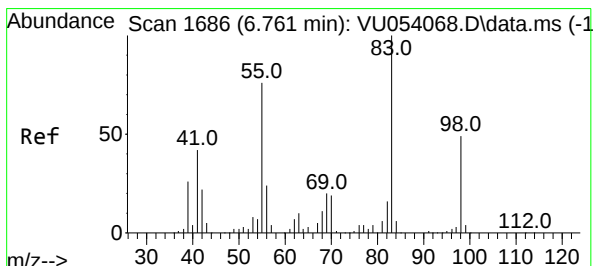
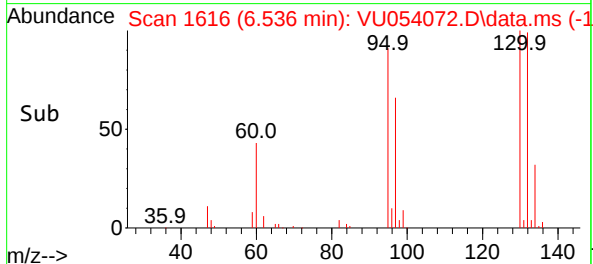
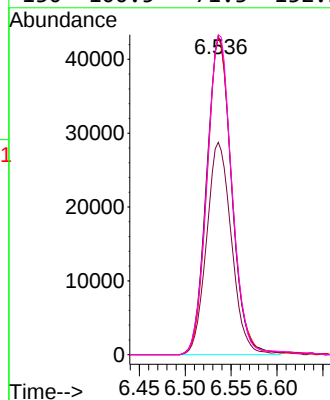
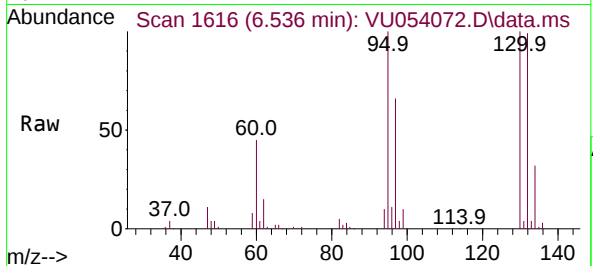




#34
Trichloroethene
Concen: 45.339 ug/L
RT: 6.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

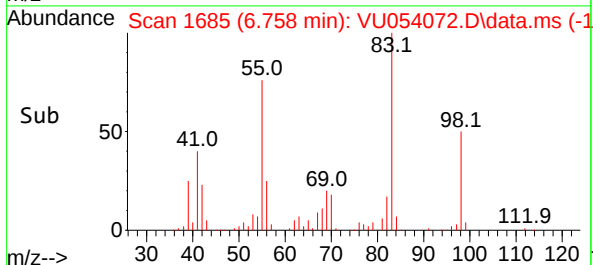
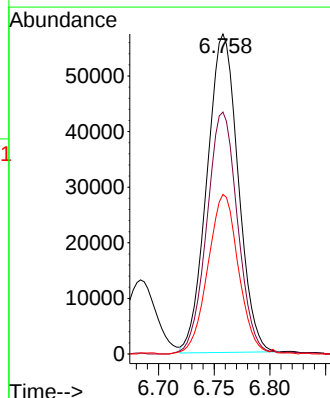
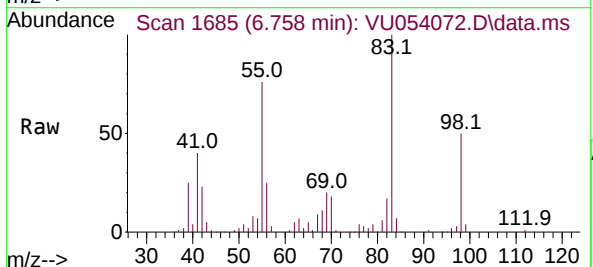
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

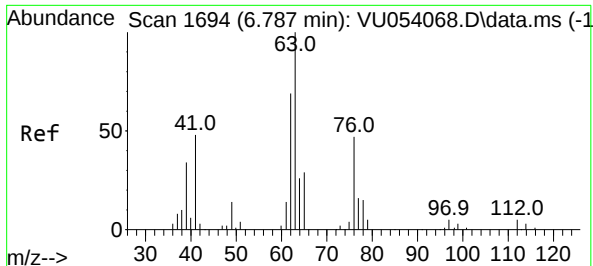
Tgt Ion: 95 Resp: 81680
Ion Ratio Lower Upper
95 100
97 66.7 46.5 86.3
132 99.6 67.8 126.0
130 100.5 71.3 132.3



#35
Methylcyclohexane
Concen: 44.138 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion: 83 Resp: 111520
Ion Ratio Lower Upper
83 100
55 75.3 61.8 92.6
98 49.2 38.4 57.6

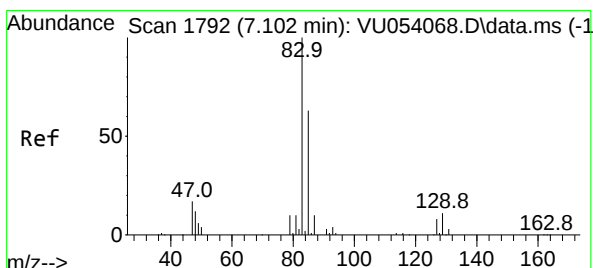
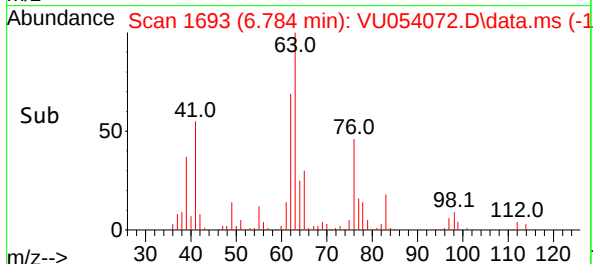
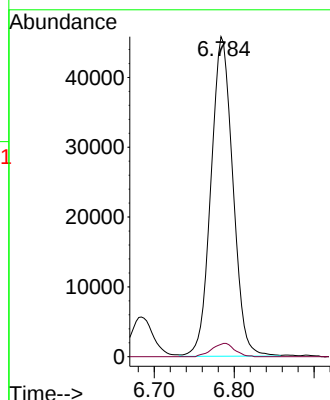
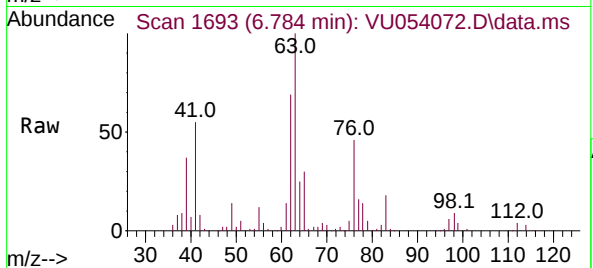




#37
1,2-Dichloropropane
Concen: 45.407 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

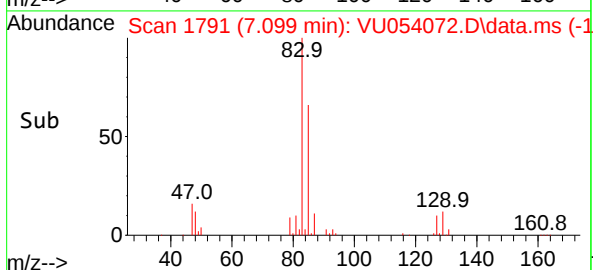
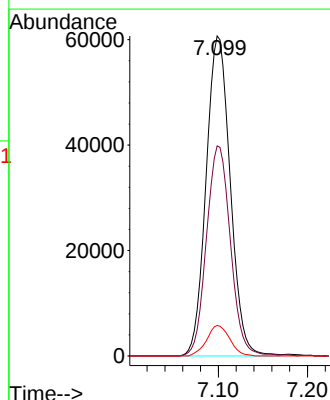
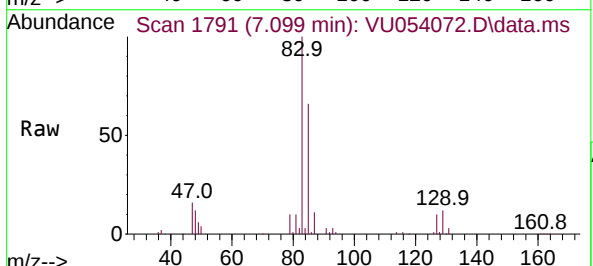
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

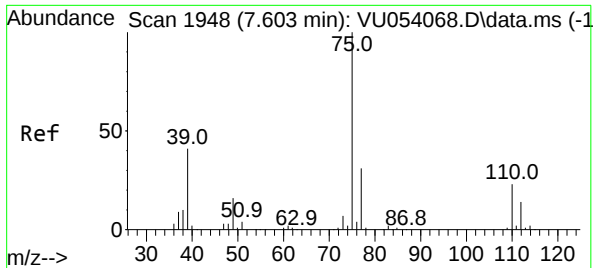
Tgt Ion: 63 Resp: 87199
Ion Ratio Lower Upper
63 100
112 4.3 3.4 5.0



#38
Bromodichloromethane
Concen: 47.200 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion: 83 Resp: 114196
Ion Ratio Lower Upper
83 100
85 65.7 45.0 83.6
127 9.5 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 46.231 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

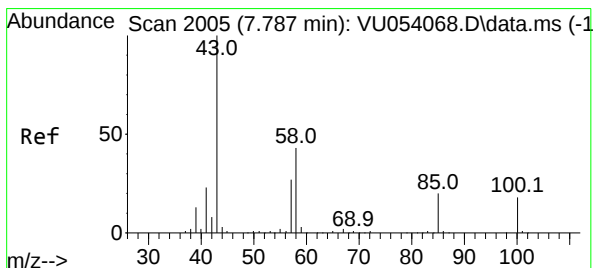
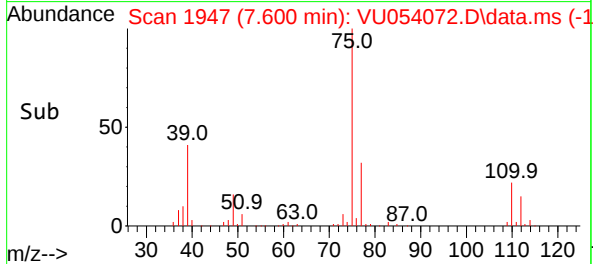
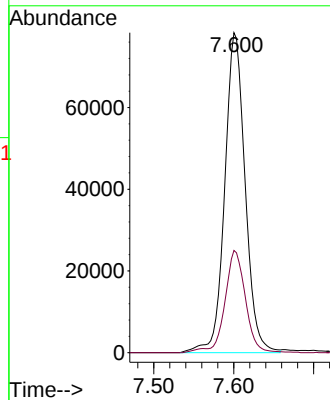
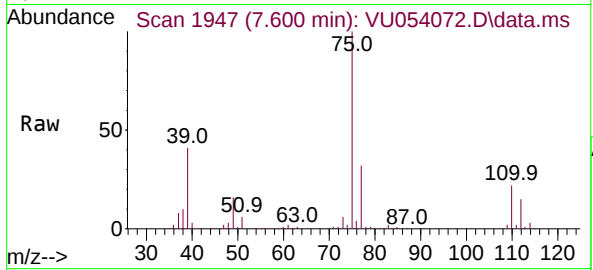
VSTD050092

Tgt Ion: 75 Resp: 138885

Ion Ratio Lower Upper

75 100

77 32.0 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 97.855 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.003 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

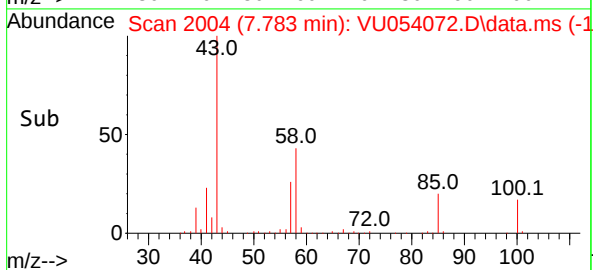
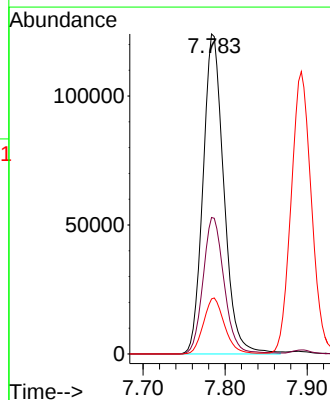
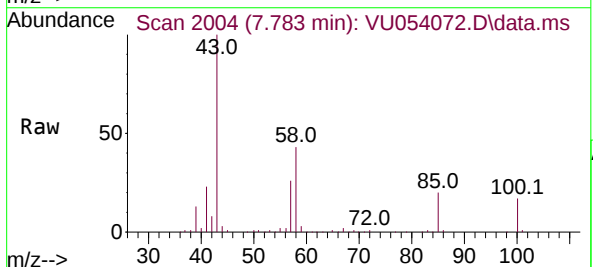
Tgt Ion: 43 Resp: 218994

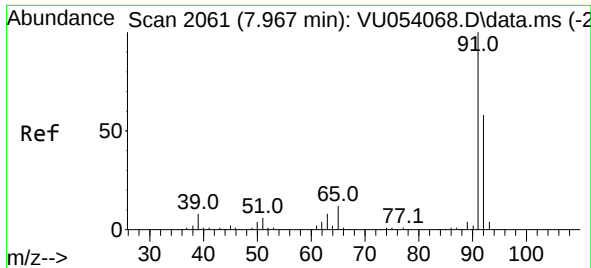
Ion Ratio Lower Upper

43 100

58 43.2 34.5 51.7

100 17.6 13.8 20.6





#42

Toluene

Concen: 47.165 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

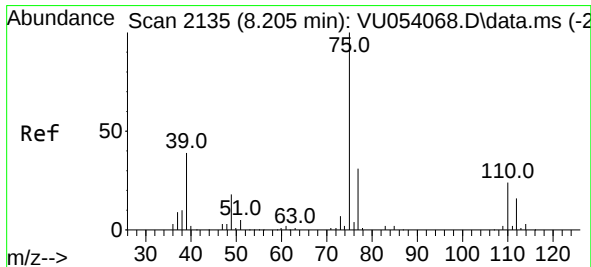
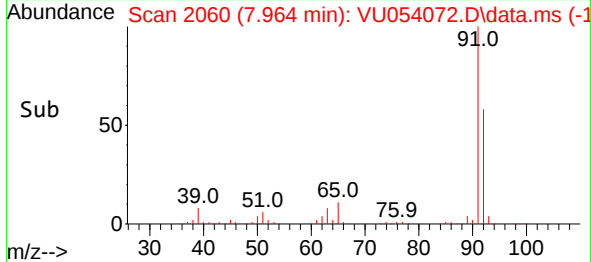
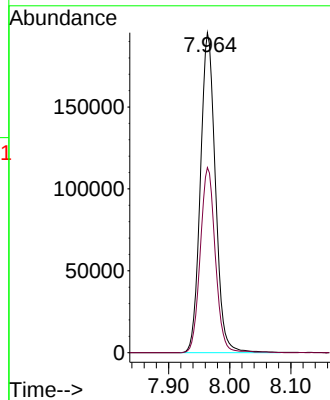
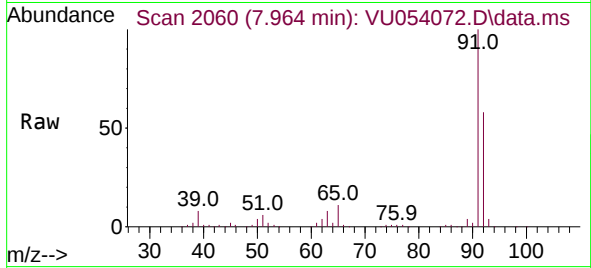
VSTD050092

Tgt Ion: 91 Resp: 333282

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 46.041 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU054072.D

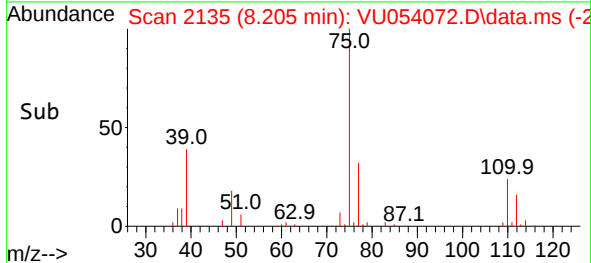
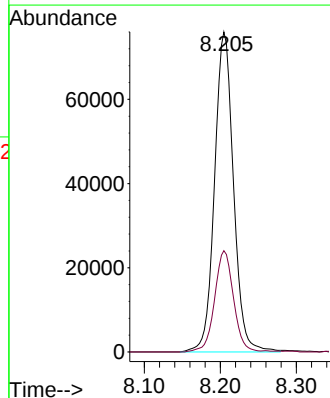
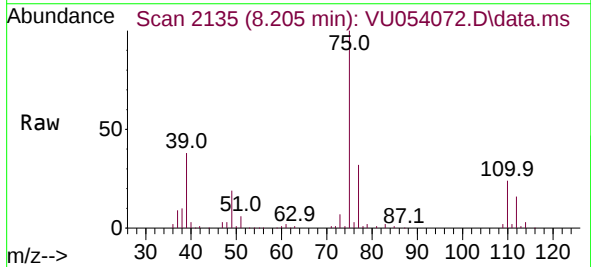
Acq: 05 May 2023 16:26

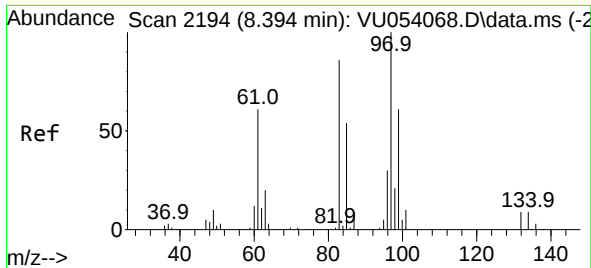
Tgt Ion: 75 Resp: 131446

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7

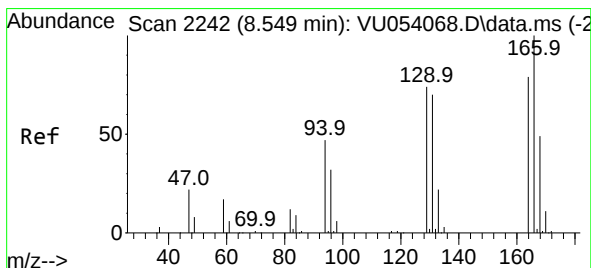
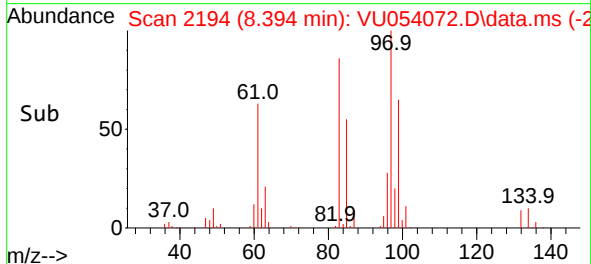
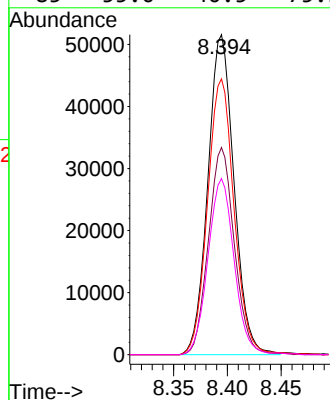
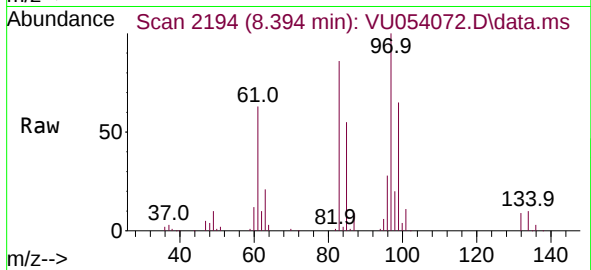




#45
1,1,2-Trichloroethane
Concen: 47.001 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

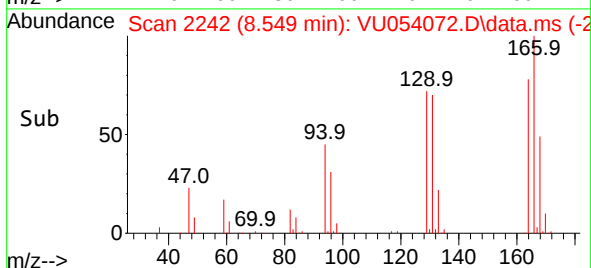
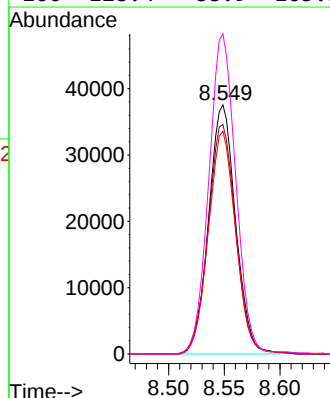
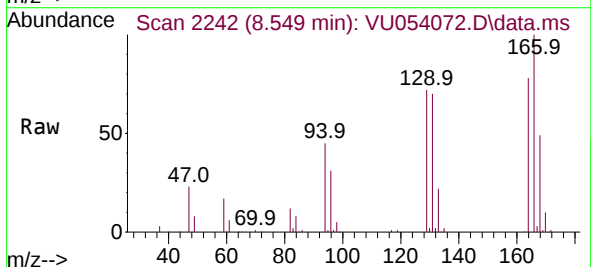
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

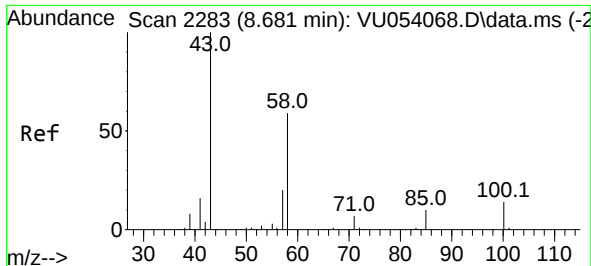
Tgt Ion:	97	Resp:	87364
Ion	Ratio	Lower	Upper
97	100		
99	64.8	46.2	85.8
83	86.2	62.7	116.5
85	55.0	40.5	75.1



#46
Tetrachloroethene
Concen: 44.355 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion:	164	Resp:	63394
Ion	Ratio	Lower	Upper
164	100		
129	92.1	65.6	121.8
131	89.3	63.8	118.4
166	128.4	88.9	165.1

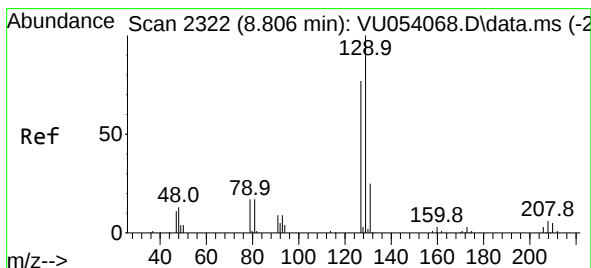
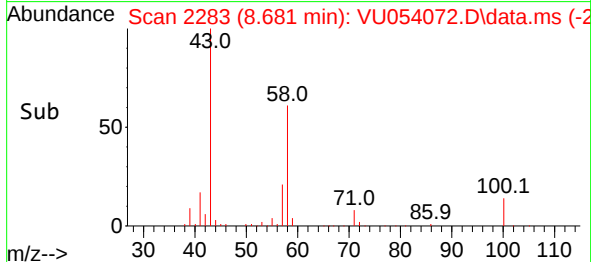
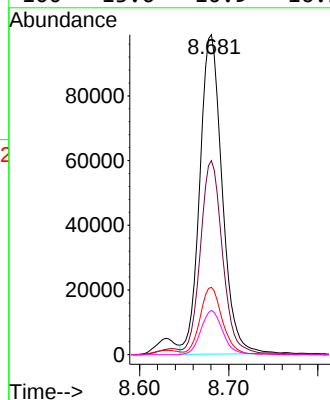
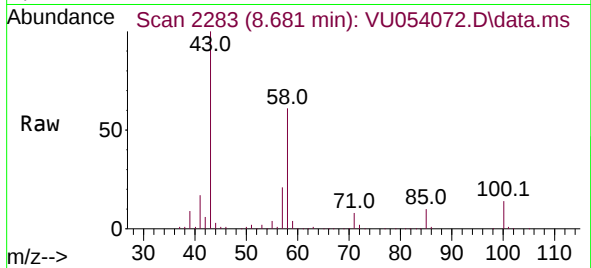




#48
2-Hexanone
Concen: 97.039 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

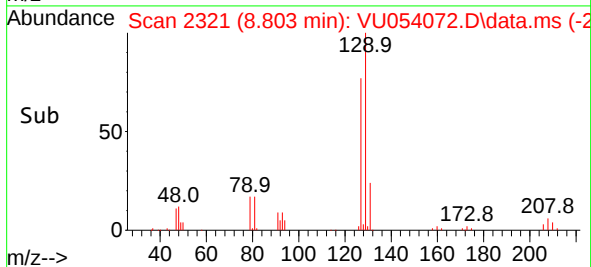
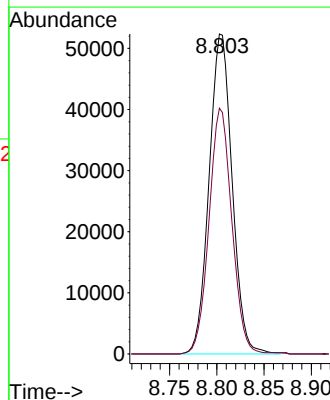
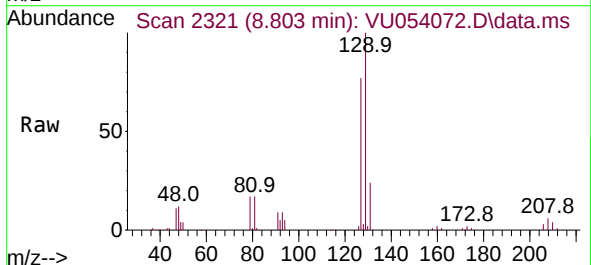
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

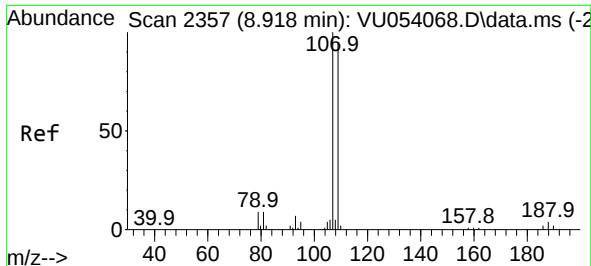
Tgt Ion:	43	Resp:	172105
Ion	Ratio	Lower	Upper
43	100		
58	59.4	48.5	72.7
57	20.3	16.5	24.7
100	13.6	10.9	16.3



#49
Dibromochloromethane
Concen: 48.510 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion:	129	Resp:	88851
Ion	Ratio	Lower	Upper
129	100		
127	76.8	52.9	98.3

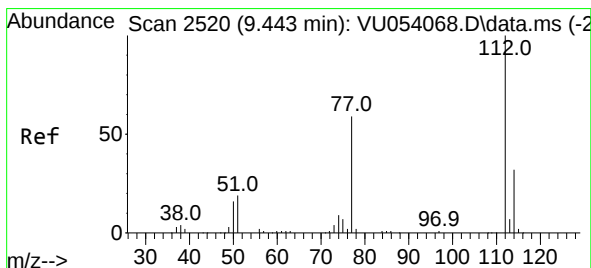
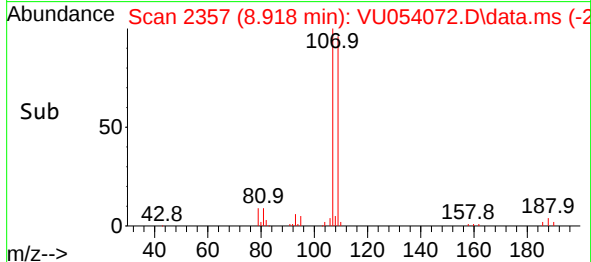
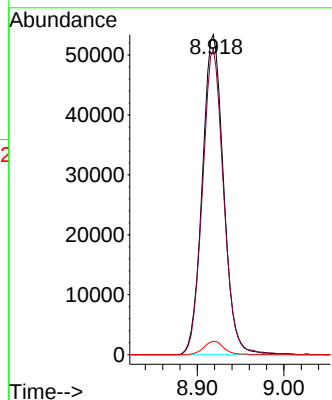
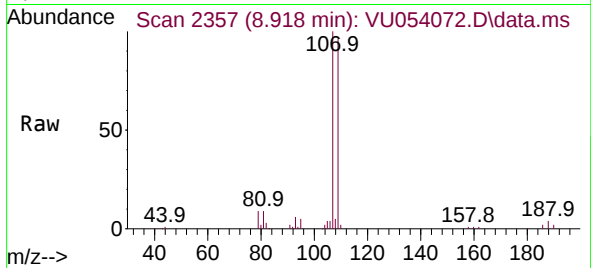




#50
1,2-Dibromoethane
Concen: 48.229 ug/L
RT: 8.918 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

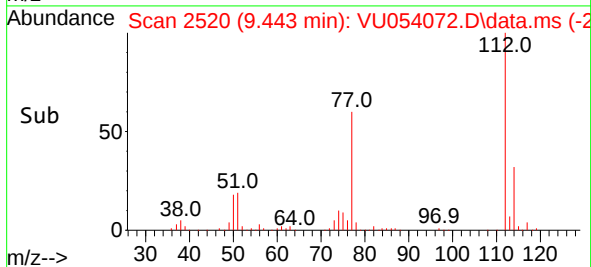
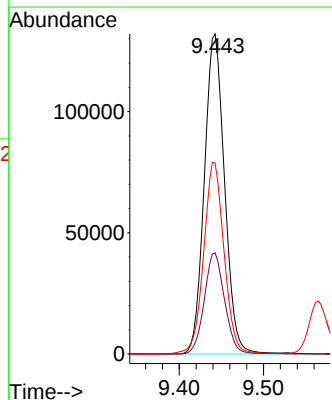
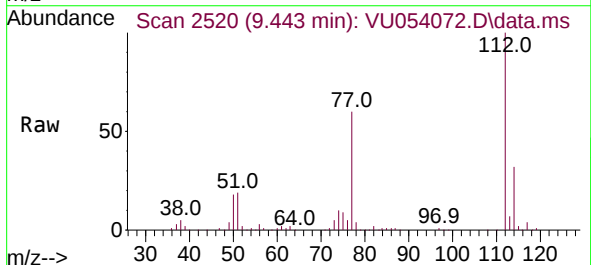
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

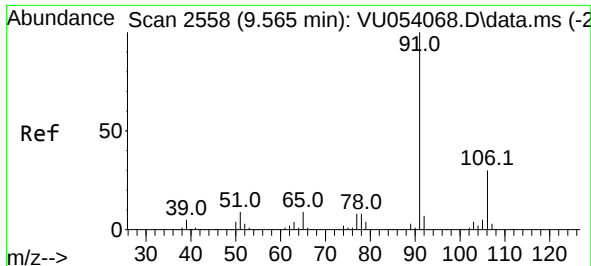
Tgt Ion:107 Resp: 90992
Ion Ratio Lower Upper
107 100
109 95.6 66.1 122.8
188 4.2 3.1 4.7



#51
Chlorobenzene
Concen: 46.652 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion:112 Resp: 220492
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.3
77 59.7 47.0 70.4

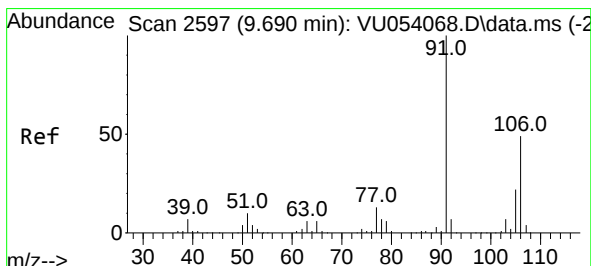
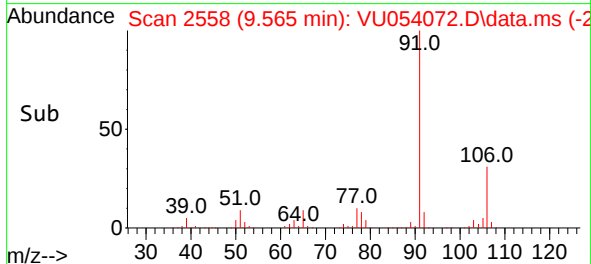
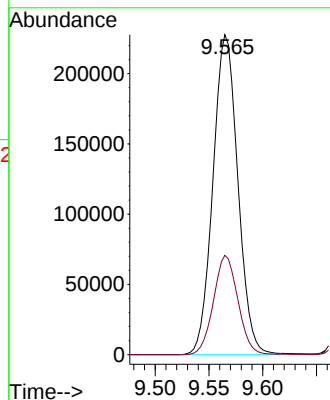
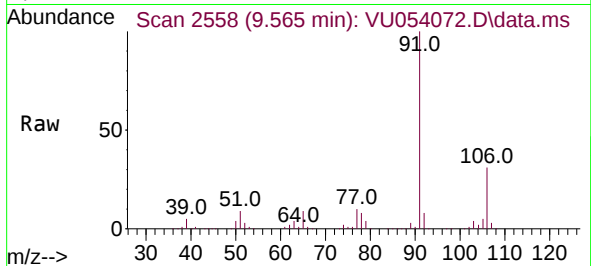




#52
Ethylbenzene
Concen: 46.075 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

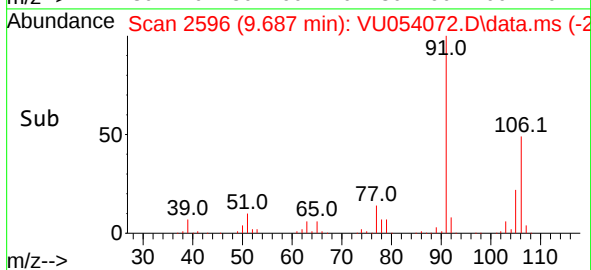
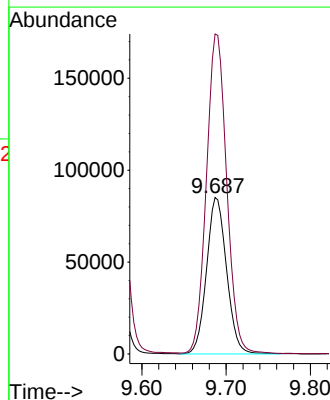
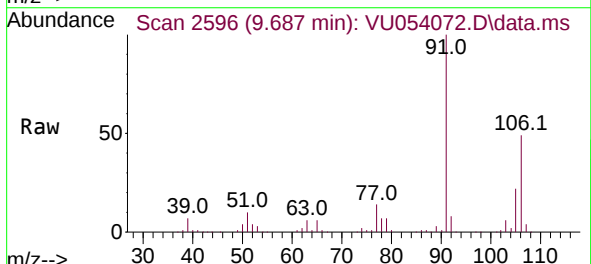
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

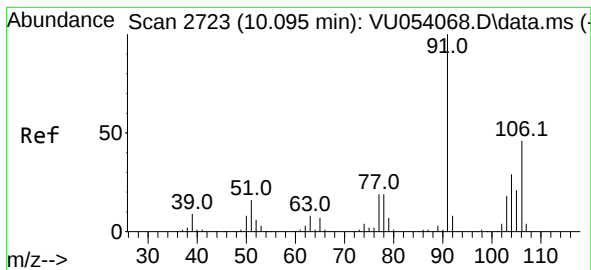
Tgt Ion: 91 Resp: 366438
Ion Ratio Lower Upper
91 100
106 31.1 21.3 39.6



#53
m,p-Xylene
Concen: 47.204 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion: 106 Resp: 140971
Ion Ratio Lower Upper
106 100
91 204.4 140.5 260.9





#54

o-Xylene

Concen: 48.617 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

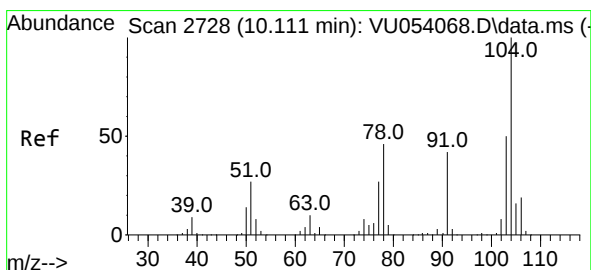
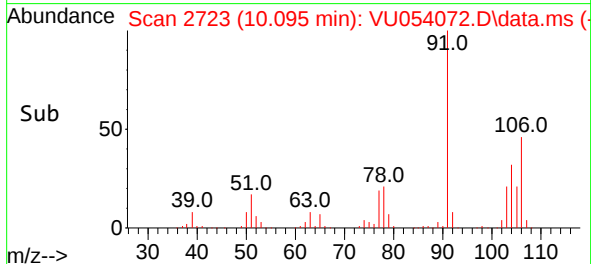
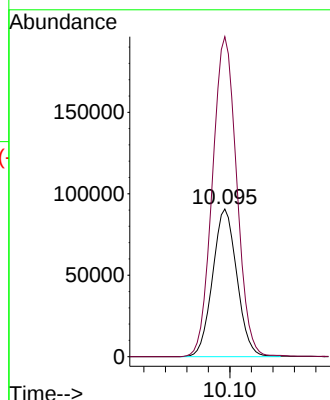
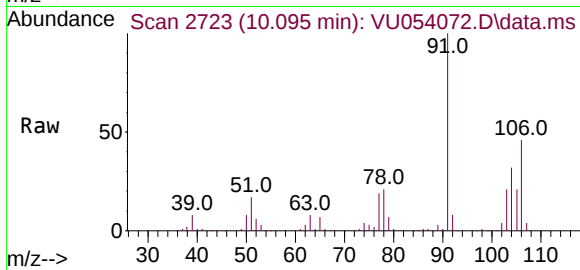
VSTD050092

Tgt Ion:106 Resp: 142042

Ion Ratio Lower Upper

106 100

91 216.7 154.9 287.7



#55

Styrene

Concen: 48.510 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.003 min

Lab File: VU054072.D

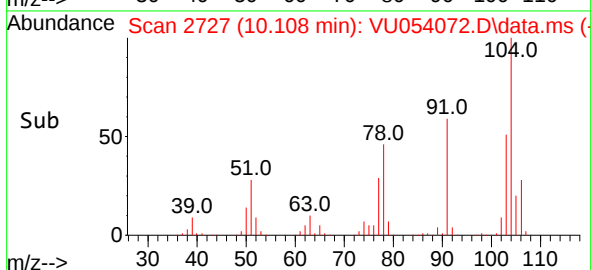
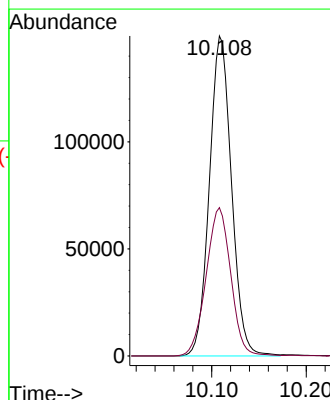
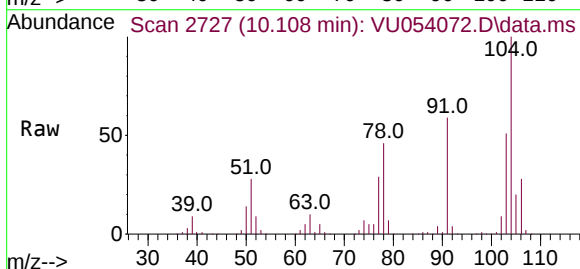
Acq: 05 May 2023 16:26

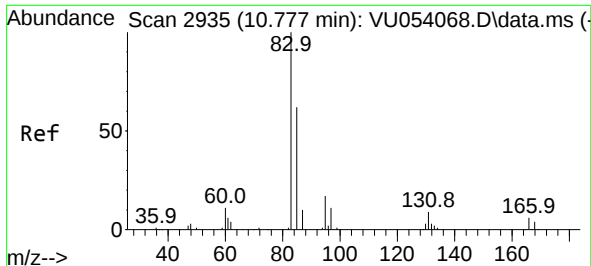
Tgt Ion:104 Resp: 243097

Ion Ratio Lower Upper

104 100

78 46.3 33.2 61.7

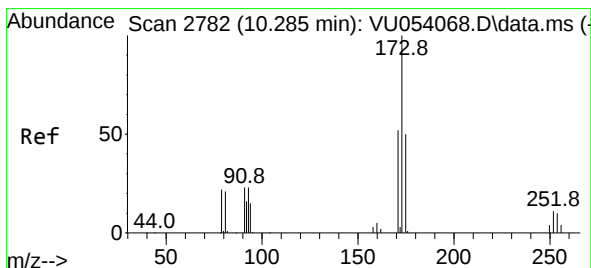
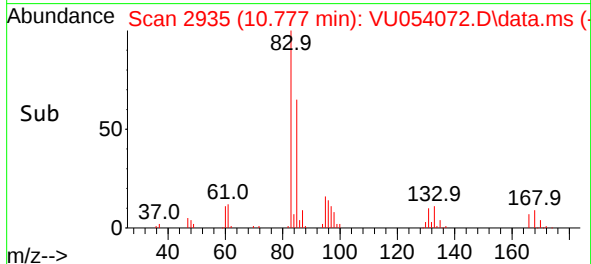
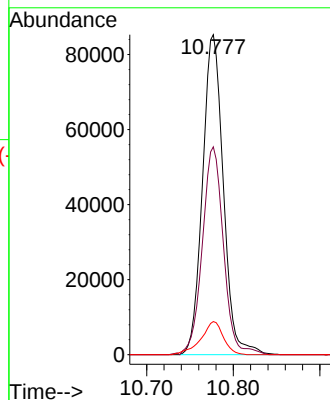
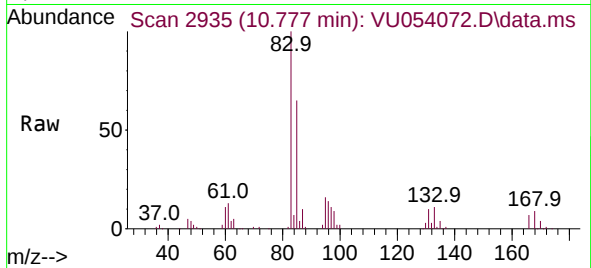




#57
1,1,2,2-Tetrachloroethane
Concen: 48.592 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

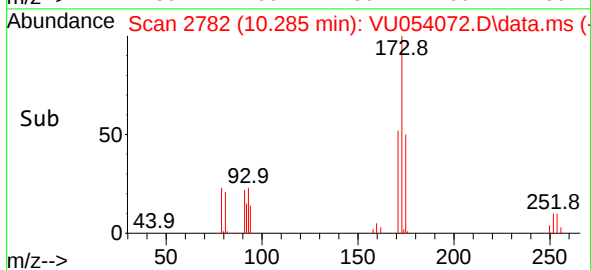
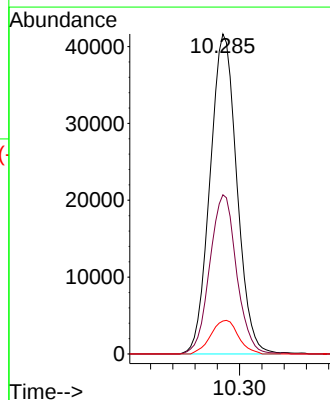
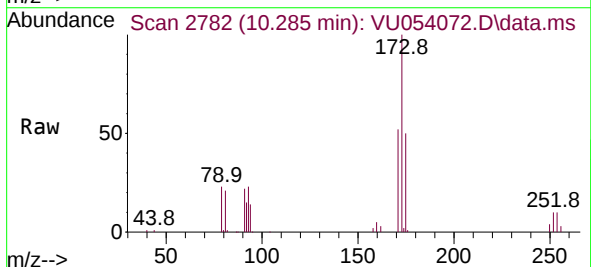
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

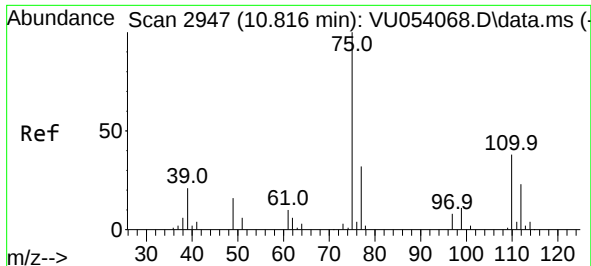
Tgt Ion: 83 Resp: 142280
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9
131 10.4 8.2 12.2



#59
Bromoform
Concen: 47.486 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion:173 Resp: 69645
Ion Ratio Lower Upper
173 100
175 49.7 38.9 58.3
254 10.7 8.5 12.7

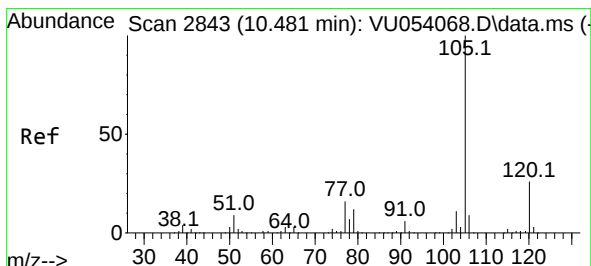
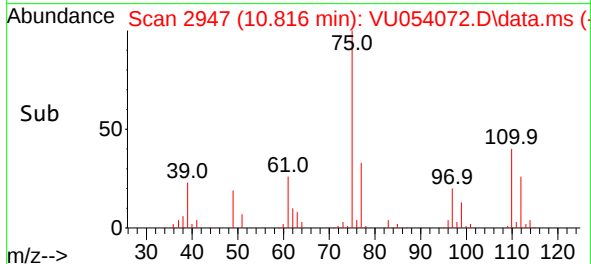
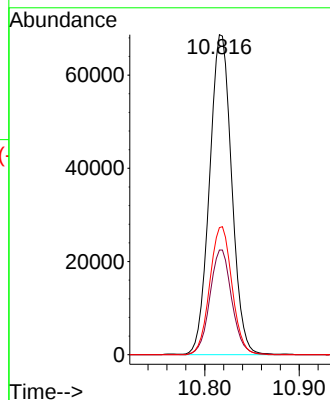
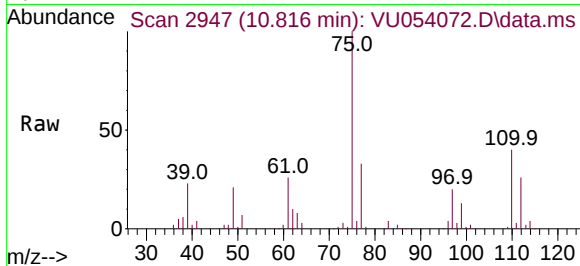




#60
1,2,3-Trichloropropane
Concen: 45.971 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

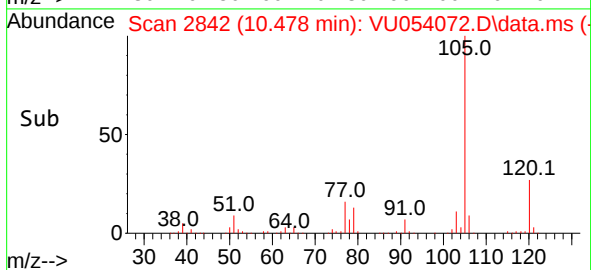
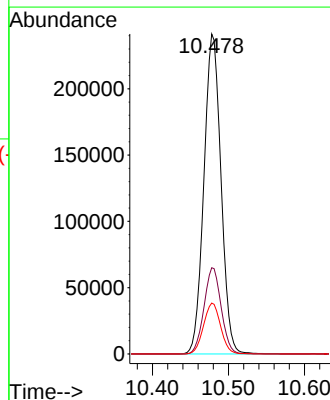
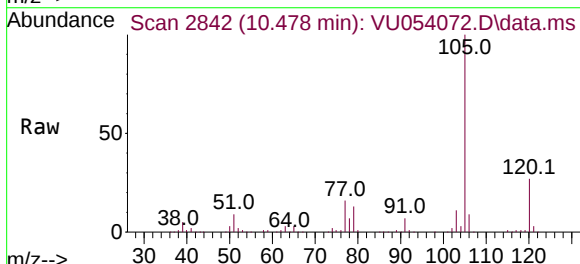
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

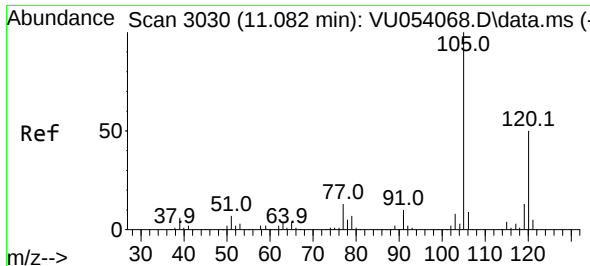
Tgt Ion: 75 Resp: 111863
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 40.0 31.8 47.8



#61
Isopropylbenzene
Concen: 45.568 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion: 105 Resp: 376824
Ion Ratio Lower Upper
105 100
120 27.0 21.3 31.9
77 15.9 12.7 19.1





#62

1,3,5-Trimethylbenzene

Concen: 46.157 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

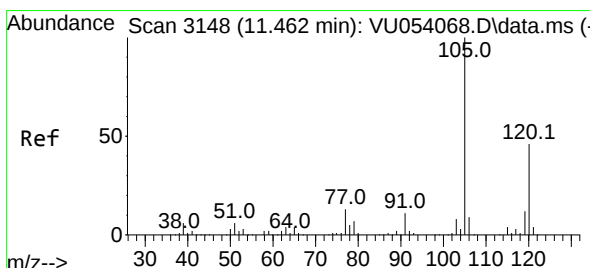
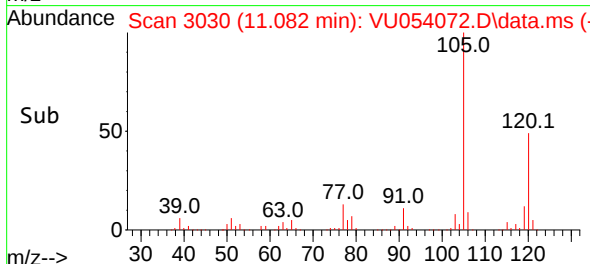
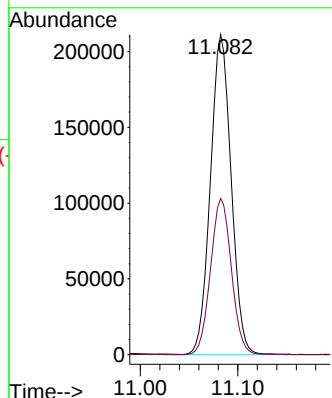
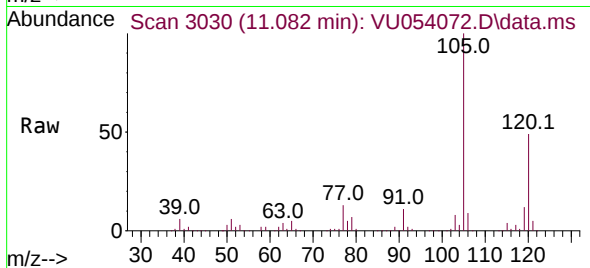
VSTD050092

Tgt Ion:105 Resp: 312778

Ion Ratio Lower Upper

105 100

120 49.0 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 46.175 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU054072.D

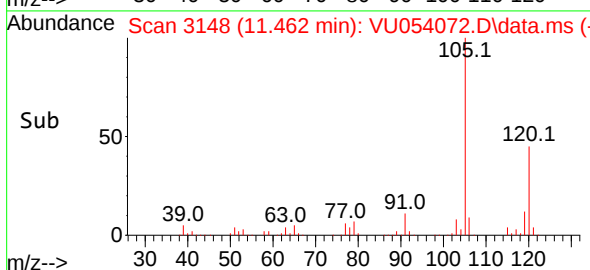
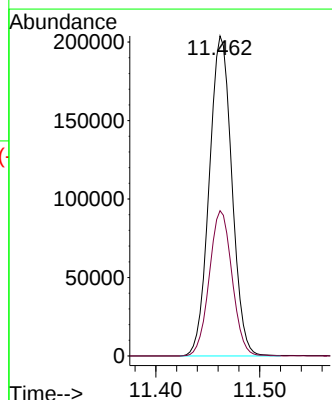
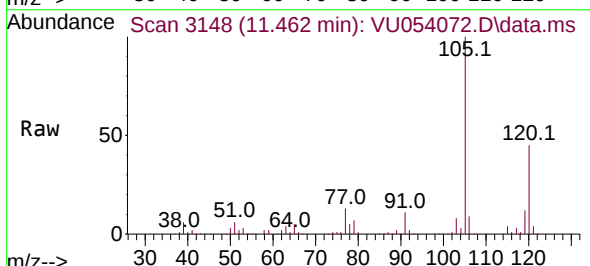
Acq: 05 May 2023 16:26

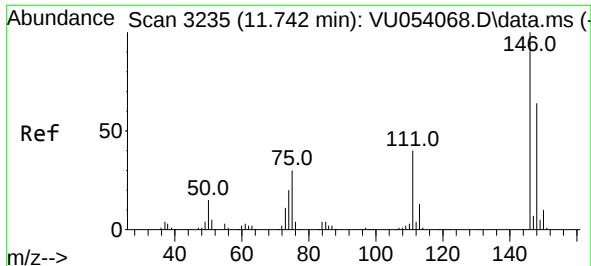
Tgt Ion:105 Resp: 308412

Ion Ratio Lower Upper

105 100

120 45.7 36.5 54.7

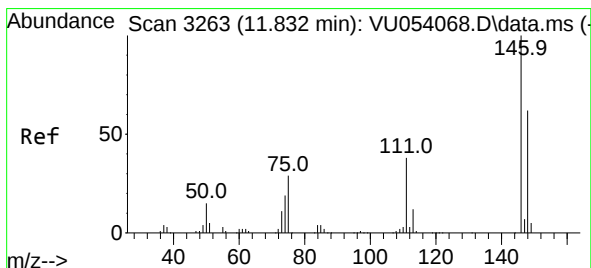
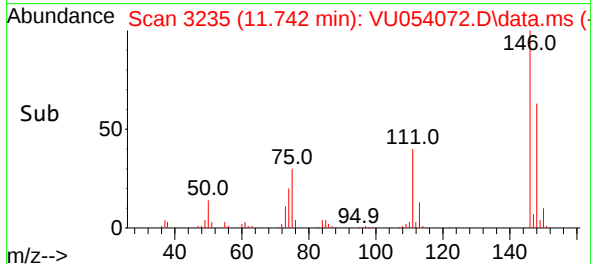
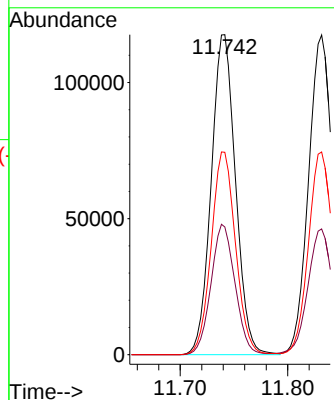
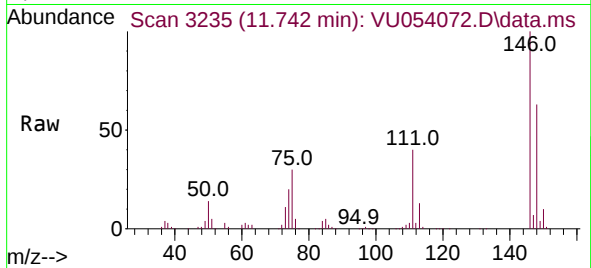




#64
1,3-Dichlorobenzene
Concen: 45.696 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

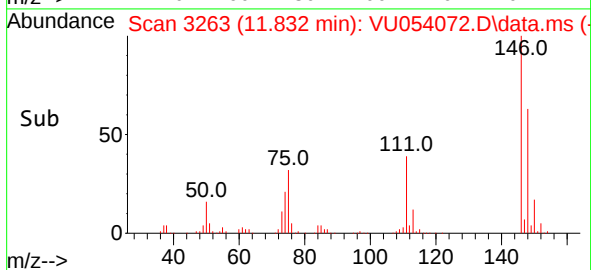
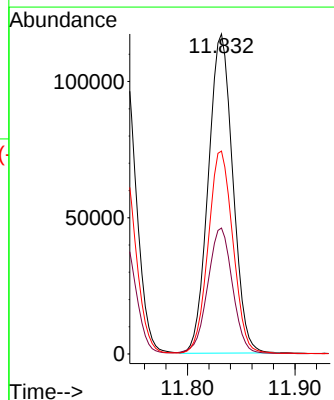
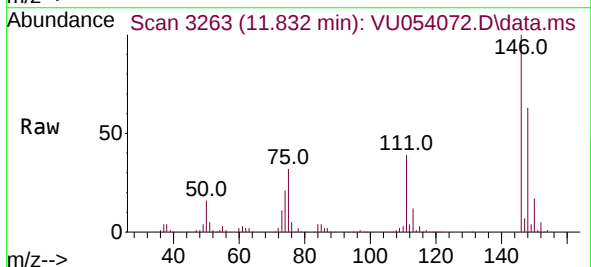
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

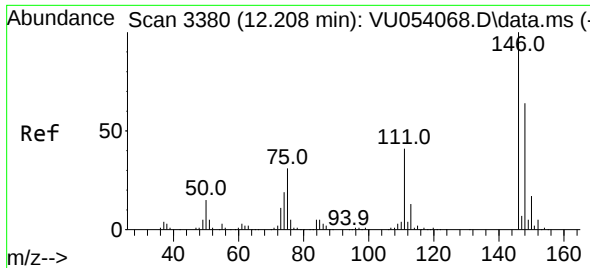
Tgt Ion:146 Resp: 184813
Ion Ratio Lower Upper
146 100
111 39.9 27.9 51.7
148 63.3 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 45.042 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion:146 Resp: 185528
Ion Ratio Lower Upper
146 100
111 39.4 27.9 51.7
148 63.4 44.9 83.3

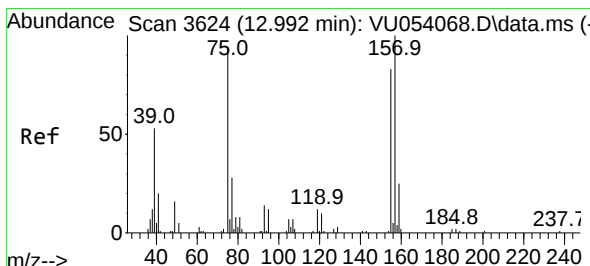
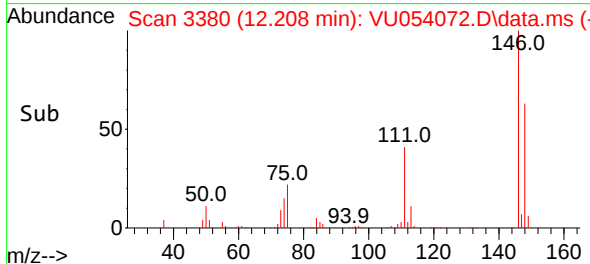
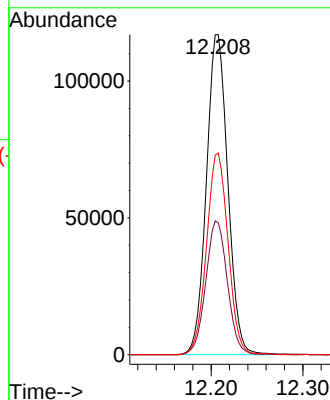
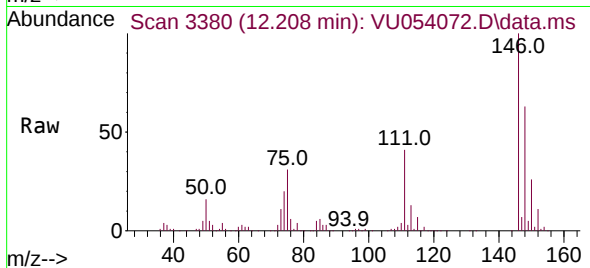




#67
1,2-Dichlorobenzene
Concen: 46.570 ug/L
RT: 12.208 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

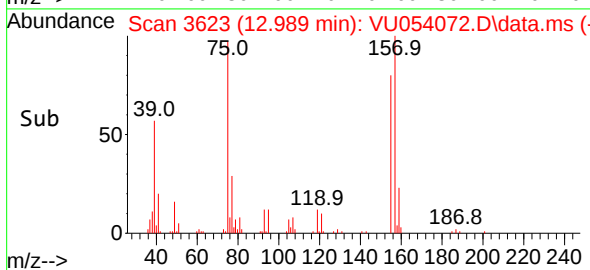
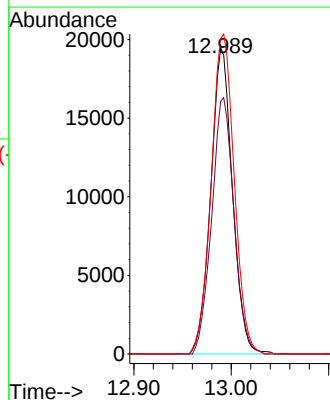
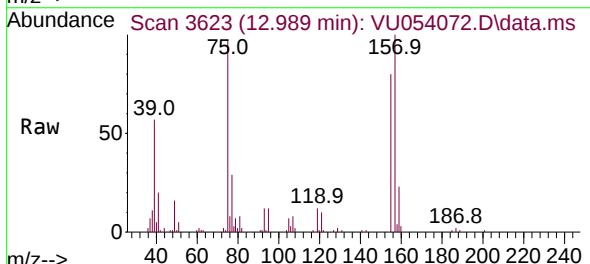
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

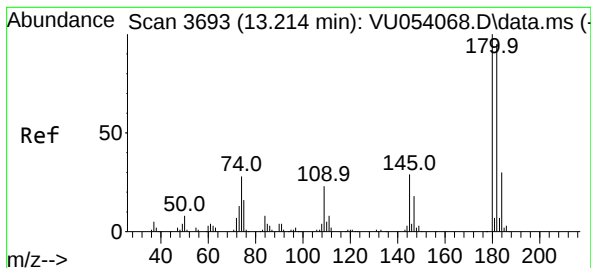
Tgt Ion:146 Resp: 190090
Ion Ratio Lower Upper
146 100
111 41.2 33.4 50.0
148 63.0 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 48.417 ug/L
RT: 12.989 min Scan# 3623
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion: 75 Resp: 30057
Ion Ratio Lower Upper
75 100
155 82.5 67.8 101.6
157 103.0 88.3 132.5





#69

1,3,5-Trichlorobenzene

Concen: 46.588 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050092

Tgt Ion:180 Resp: 136538

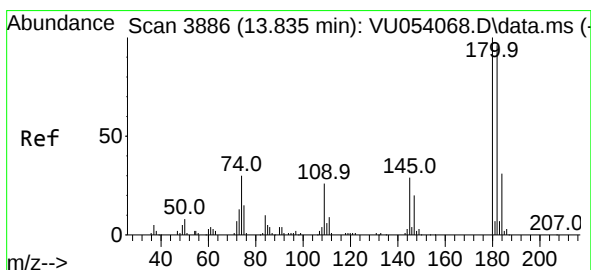
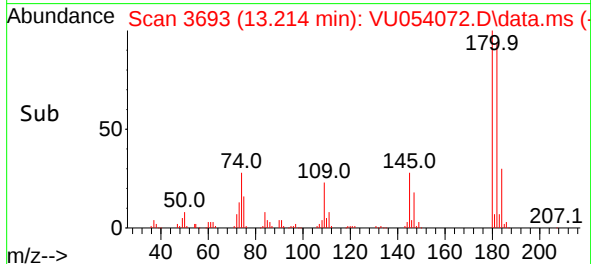
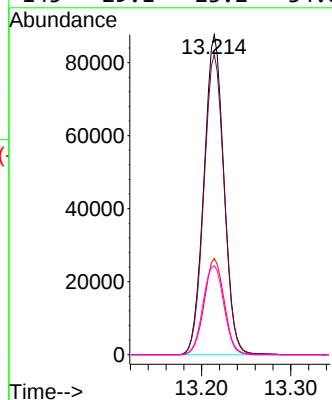
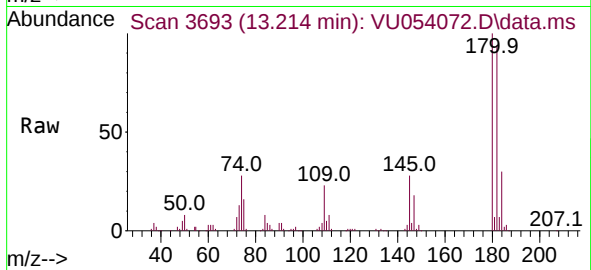
Ion Ratio Lower Upper

180 100

182 95.1 76.0 114.0

184 29.9 24.2 36.2

145 29.1 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 46.278 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU054072.D

Acq: 05 May 2023 16:26

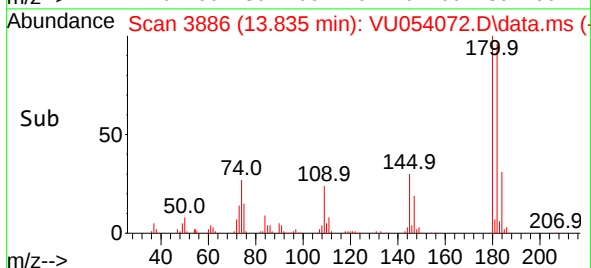
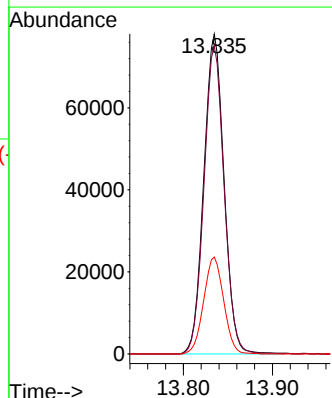
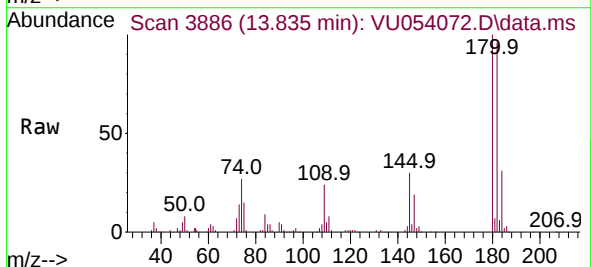
Tgt Ion:180 Resp: 122956

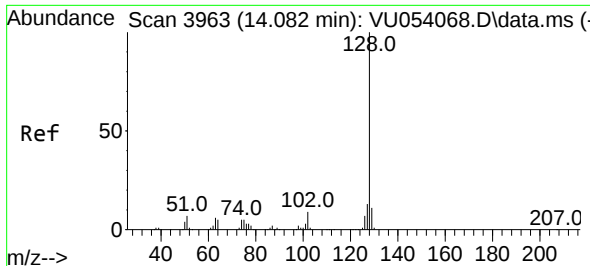
Ion Ratio Lower Upper

180 100

182 95.6 77.4 116.2

145 29.9 23.8 35.8

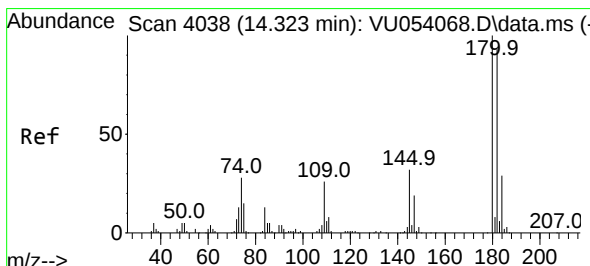
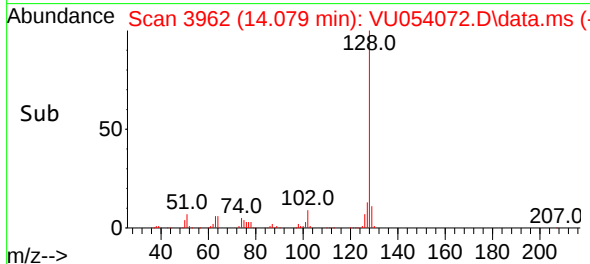
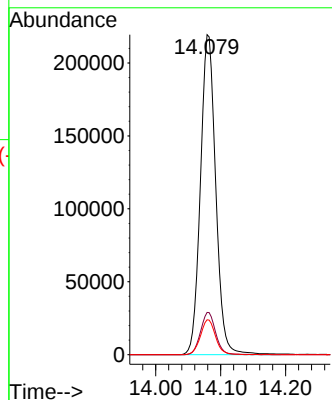
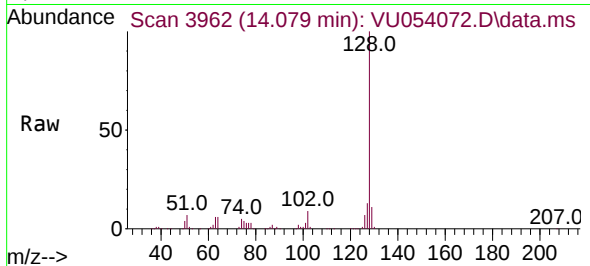




#71
Naphthalene
Concen: 46.766 ug/L
RT: 14.079 min Scan# 3963
Delta R.T. -0.003 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

Tgt Ion:128 Resp: 360401
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.7 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 47.485 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU054072.D
Acq: 05 May 2023 16:26

Tgt Ion:180 Resp: 125503
Ion Ratio Lower Upper
180 100
182 96.0 76.6 114.8
145 30.5 24.9 37.3

