

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052918.D
 Acq On : 01 Feb 2023 20:36
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050148

Quant Time: Feb 01 21:02:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 20:03:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	255404	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	246225	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	143315	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	82999	45.150	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.300%
7) Chloroethane-d5	1.906	69	77734	51.320	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.640%
11) 1,1-Dichloroethene-d2	2.565	63	169390	46.328	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.660%
21) 2-Butanone-d5	4.620	46	109289	96.239	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.240%
24) Chloroform-d	5.057	84	187030	47.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.340%
26) 1,2-Dichloroethane-d4	5.697	65	120205	47.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.980%
32) Benzene-d6	5.722	84	352230	46.823	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.640%
36) 1,2-Dichloropropane-d6	6.684	67	105059	47.619	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.240%
41) Toluene-d8	7.893	98	324252	47.336	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.680%
43) trans-1,3-Dichloroprop...	8.176	79	52301	47.297	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.600%
47) 2-Hexanone-d5	8.632	63	78368	101.092	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.090%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	153366	47.049	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.100%
66) 1,2-Dichlorobenzene-d4	12.188	152	132123	47.479	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	108015	45.165	ug/L	99
3) Chloromethane	1.520	50	99328	50.357	ug/L	98
5) Vinyl chloride	1.604	62	109660	50.254	ug/L	98
6) Bromomethane	1.851	94	70628	51.322	ug/L	96
8) Chloroethane	1.925	64	72422	52.840	ug/L	96
9) Trichlorofluoromethane	2.131	101	180593	49.411	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	94042	45.649	ug/L	97
12) 1,1-Dichloroethene	2.575	96	88609	46.898	ug/L	95
13) Acetone	2.626	43	88284	63.653	ug/L	96
14) Carbon disulfide	2.790	76	255692	44.808	ug/L	98
15) Methyl Acetate	2.944	43	88610	47.417	ug/L	98
16) Methylene chloride	3.041	84	104220	46.371	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	93348	45.718	ug/L	99
18) Methyl tert-butyl Ether	3.356	73	301188	50.166	ug/L	99
19) 1,1-Dichloroethane	3.864	63	175577	49.032	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	105301	48.303	ug/L	97
22) 2-Butanone	4.697	43	125683	84.780	ug/L	100
23) Bromochloromethane	4.967	128	56982	46.547	ug/L	98
25) Chloroform	5.083	83	190650	47.426	ug/L	99

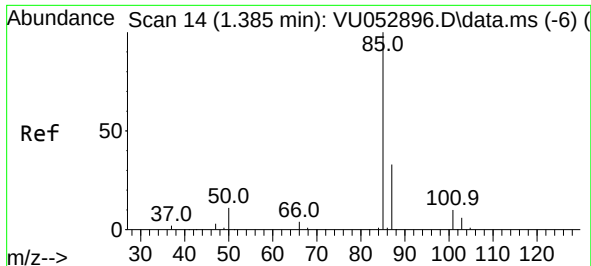
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052918.D
 Acq On : 01 Feb 2023 20:36
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050148

Quant Time: Feb 01 21:02:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 20:03:09 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	154464	48.537	ug/L	99
29) Cyclohexane	5.385	56	137475	47.116	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	176998	48.870	ug/L	99
31) Carbon tetrachloride	5.520	117	153243	48.810	ug/L	99
33) Benzene	5.767	78	399822	47.703	ug/L	100
34) Trichloroethene	6.536	95	126745	59.495	ug/L	97
35) Methylcyclohexane	6.758	83	159067	47.176	ug/L	99
37) 1,2-Dichloropropane	6.783	63	98358	47.732	ug/L	98
38) Bromodichloromethane	7.099	83	145896	48.248	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	156779	48.570	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	246432	101.509	ug/L	99
42) Toluene	7.963	91	421170	49.030	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	155977	49.170	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	101859	48.338	ug/L	98
46) Tetrachloroethene	8.549	164	84233	45.919	ug/L	99
48) 2-Hexanone	8.684	43	193118	94.030	ug/L	98
49) Dibromochloromethane	8.806	129	119691	47.497	ug/L	100
50) 1,2-Dibromoethane	8.918	107	108534	47.856	ug/L	97
51) Chlorobenzene	9.443	112	337801	57.159	ug/L	100
52) Ethylbenzene	9.565	91	450399	49.063	ug/L	99
53) m,p-Xylene	9.690	106	182751	49.175	ug/L	97
54) o-xylene	10.095	106	178890	50.423	ug/L	96
55) Styrene	10.111	104	308042	50.598	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	167025	48.978	ug/L	98
59) Bromoform	10.288	173	93428	47.573	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	132317	47.597	ug/L	99
61) Isopropylbenzene	10.478	105	455627	49.225	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	387156	50.235	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	382157	51.243	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	222576	47.662	ug/L	99
65) 1,4-Dichlorobenzene	11.831	146	253622	52.461	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	323488	68.485	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.989	75	37482	47.038	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	156845	45.368	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	129395	44.642	ug/L	97
71) Naphthalene	14.082	128	374642	44.978	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	135863	44.353	ug/L	98

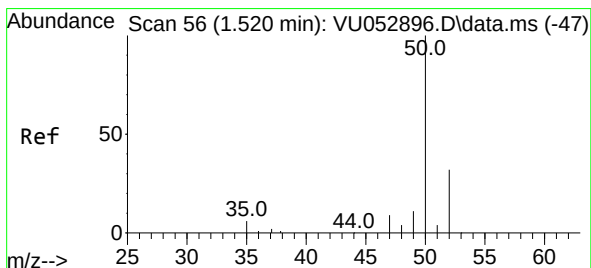
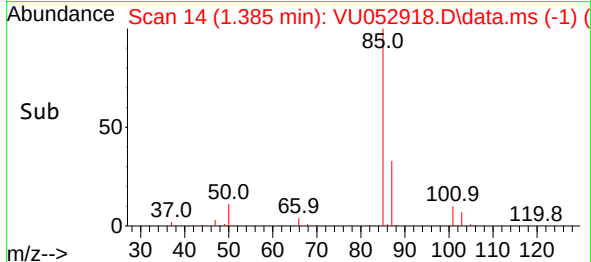
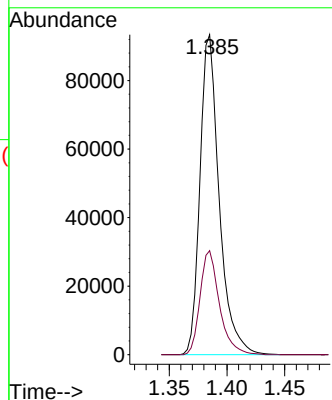
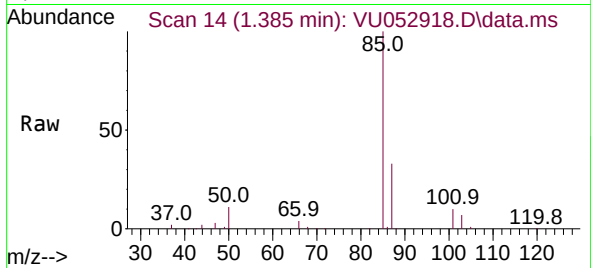
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 45.165 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

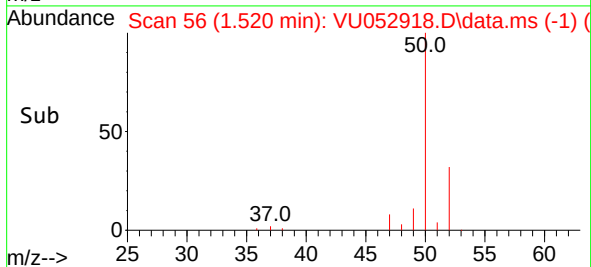
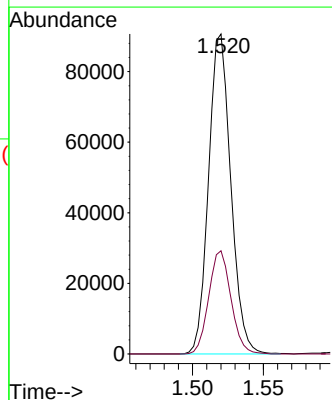
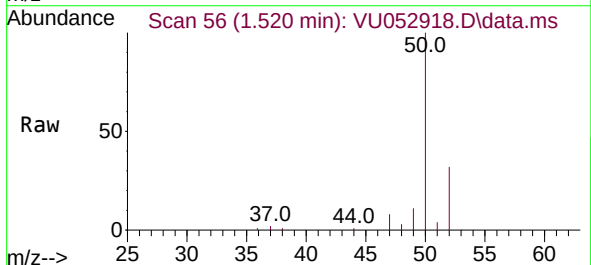
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

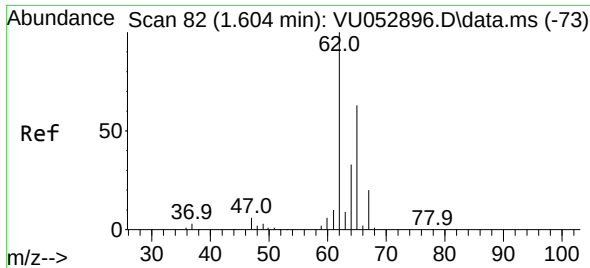
Tgt Ion: 85 Resp: 108015
Ion Ratio Lower Upper
85 100
87 32.7 26.4 39.6



#3
Chloromethane
Concen: 50.357 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion: 50 Resp: 99328
Ion Ratio Lower Upper
50 100
52 32.2 23.4 43.4

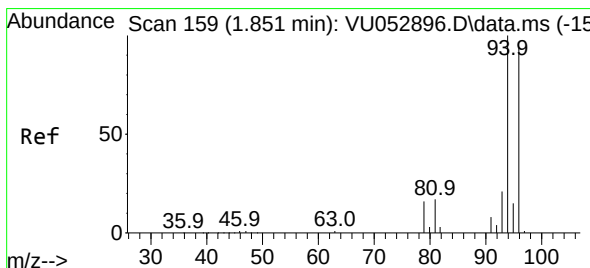
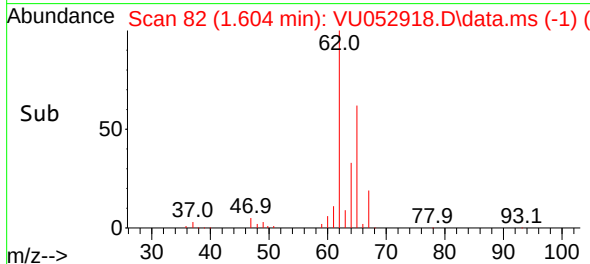
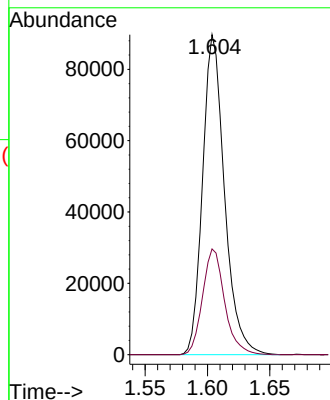
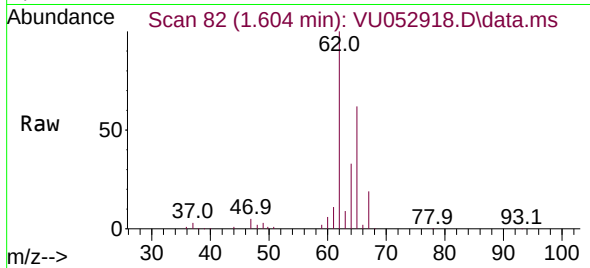




#5
 Vinyl chloride
 Concen: 50.254 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU052918.D
 Acq: 01 Feb 2023 20:36

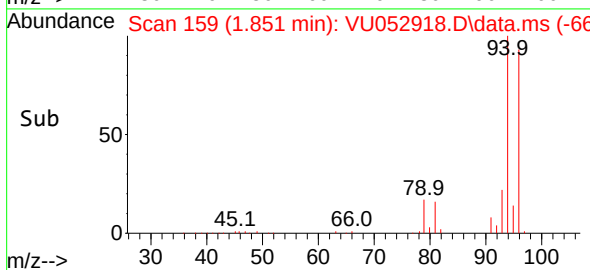
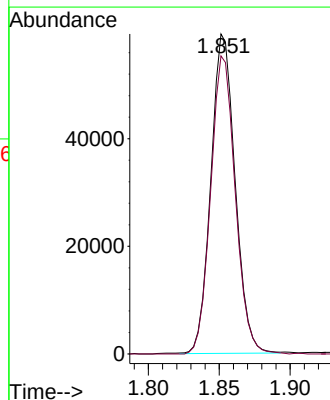
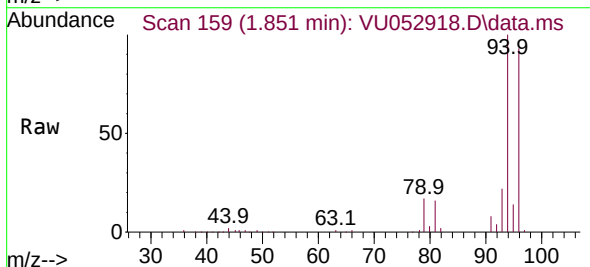
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050148

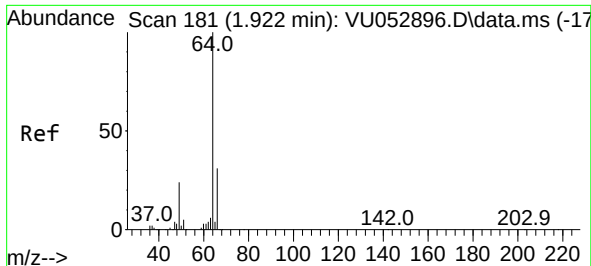
Tgt Ion: 62 Resp: 109660
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.4 41.6



#6
 Bromomethane
 Concen: 51.322 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.000 min
 Lab File: VU052918.D
 Acq: 01 Feb 2023 20:36

Tgt Ion: 94 Resp: 70628
 Ion Ratio Lower Upper
 94 100
 96 93.2 67.8 125.8

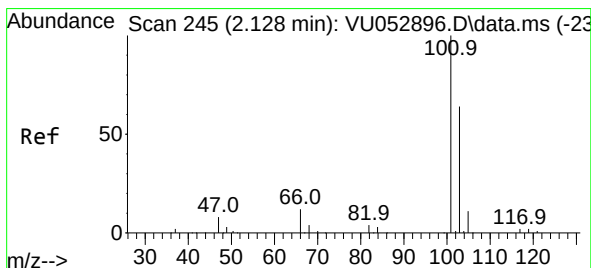
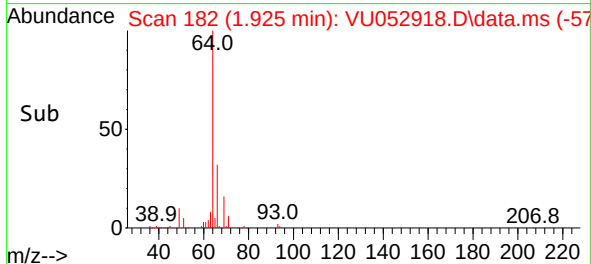
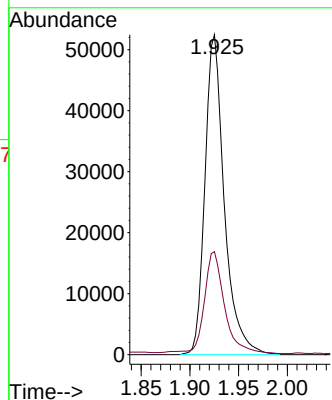
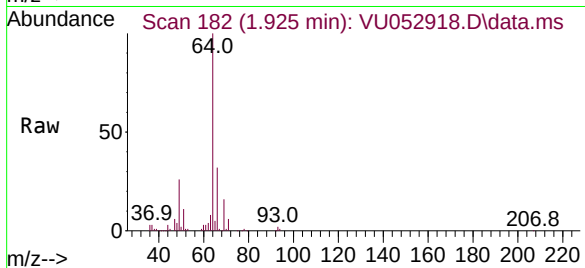




#8
Chloroethane
Concen: 52.840 ug/L
RT: 1.925 min Scan# 181
Delta R.T. 0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

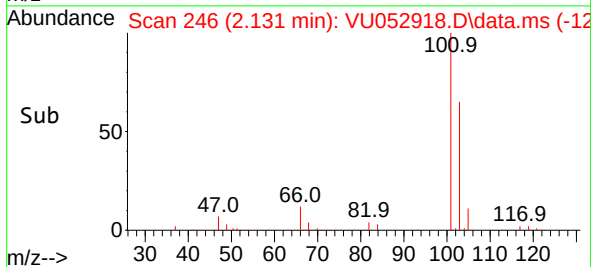
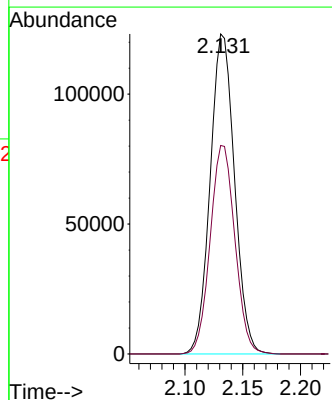
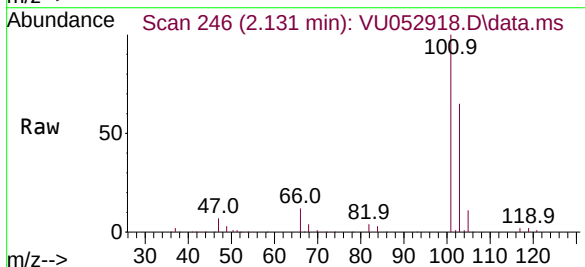
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

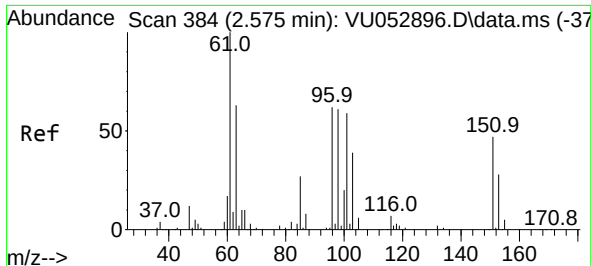
Tgt Ion: 64 Resp: 72422
Ion Ratio Lower Upper
64 100
66 32.2 24.1 44.7



#9
Trichlorofluoromethane
Concen: 49.411 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion:101 Resp: 180593
Ion Ratio Lower Upper
101 100
103 66.1 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 45.649 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050148

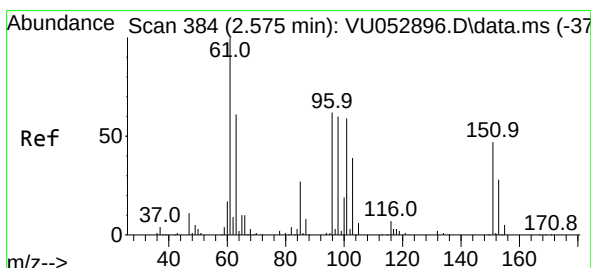
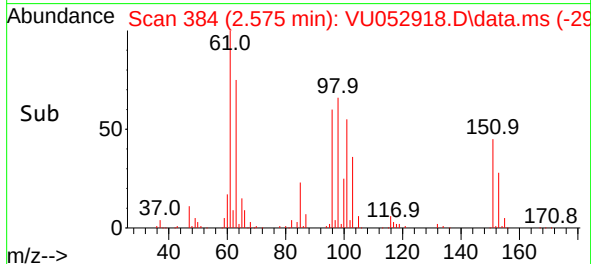
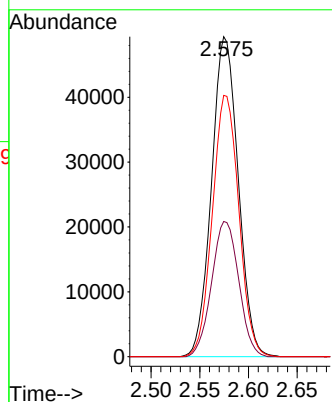
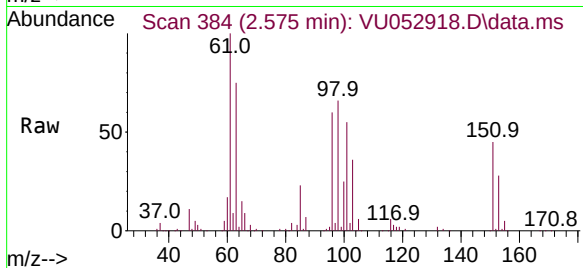
Tgt Ion:101 Resp: 94042

Ion Ratio Lower Upper

101 100

85 42.9 32.9 49.3

151 81.0 62.6 94.0



#12

1,1-Dichloroethene

Concen: 46.898 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

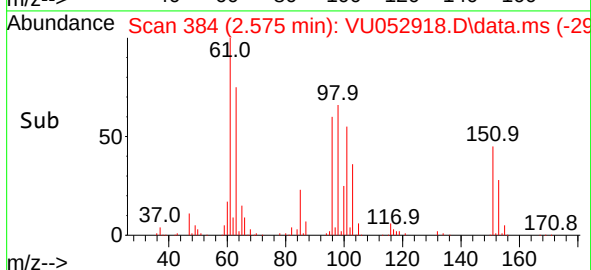
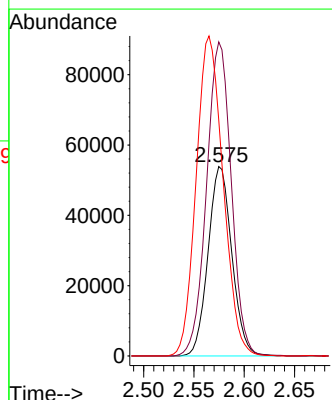
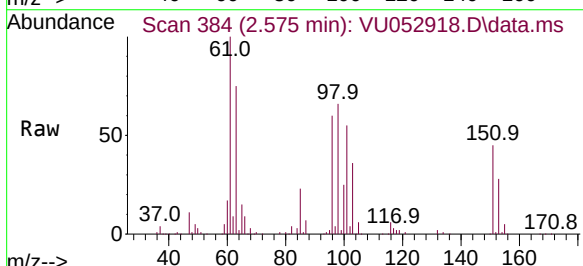
Tgt Ion: 96 Resp: 88609

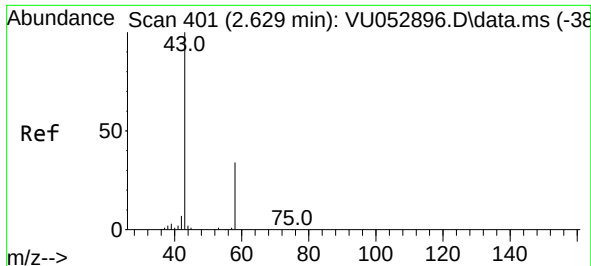
Ion Ratio Lower Upper

96 100

61 165.9 114.3 212.3

63 124.5 80.6 149.6





#13

Acetone

Concen: 63.653 ug/L

RT: 2.626 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

Instrument :

MSVOA_U

ClientSampleId :

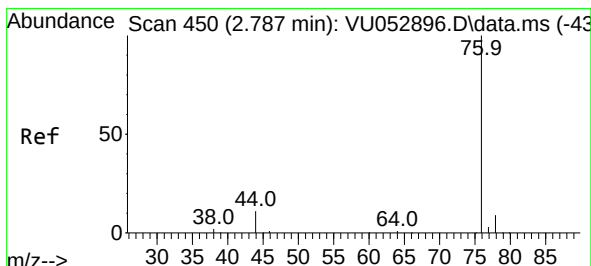
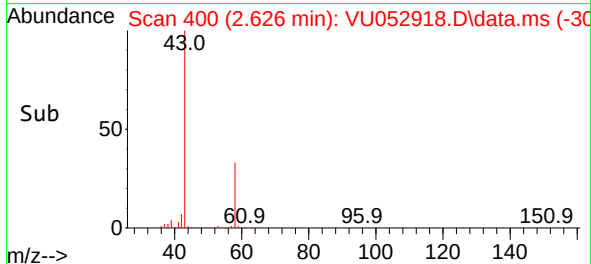
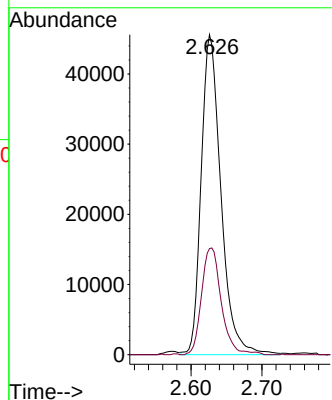
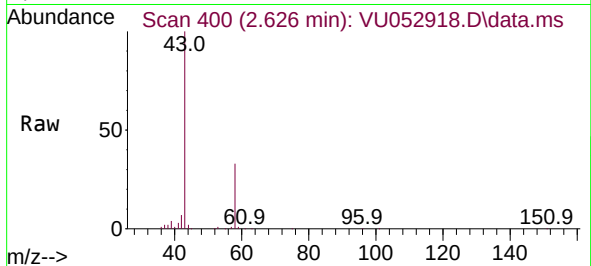
VSTD050148

Tgt Ion: 43 Resp: 88284

Ion Ratio Lower Upper

43 100

58 32.7 0.0 70.2



#14

Carbon disulfide

Concen: 44.808 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU052918.D

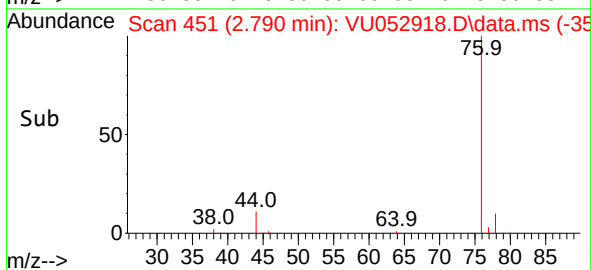
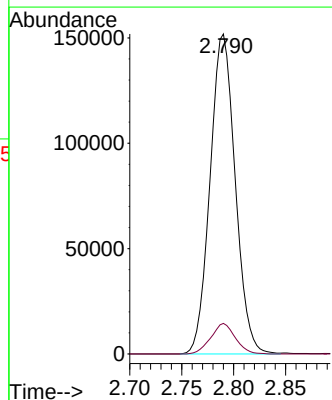
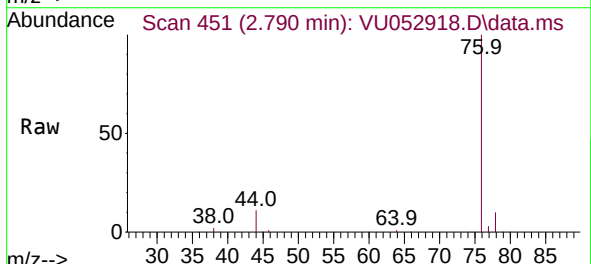
Acq: 01 Feb 2023 20:36

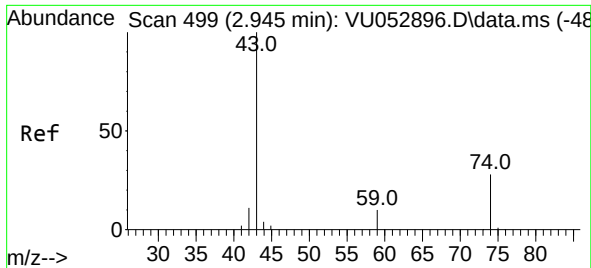
Tgt Ion: 76 Resp: 255692

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7

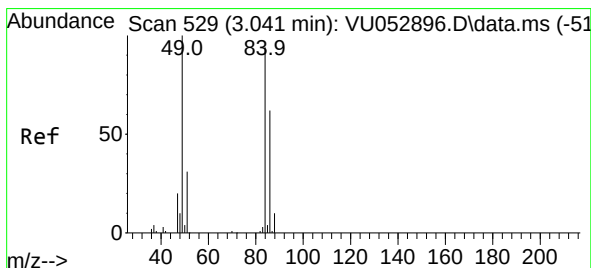
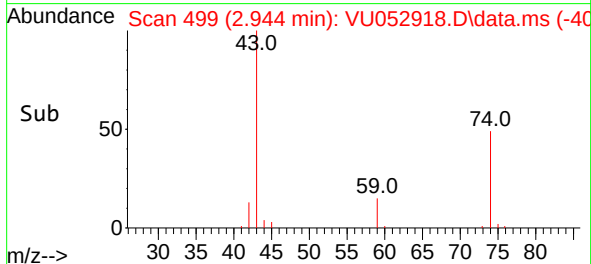
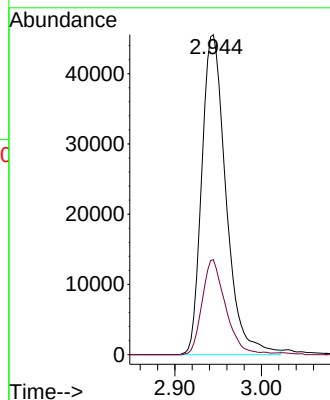
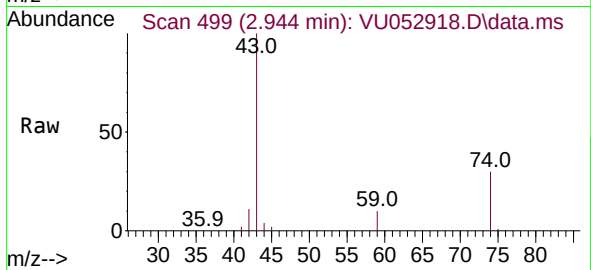




#15
Methyl Acetate
Concen: 47.417 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

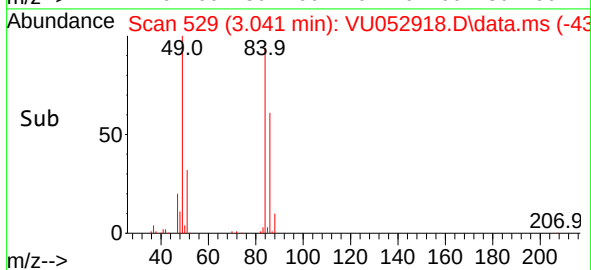
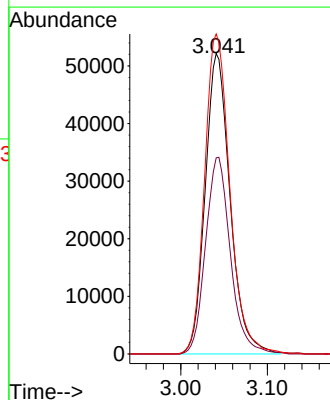
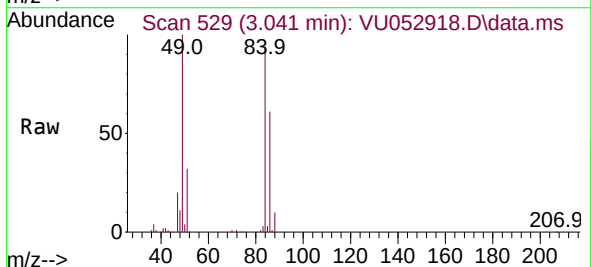
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

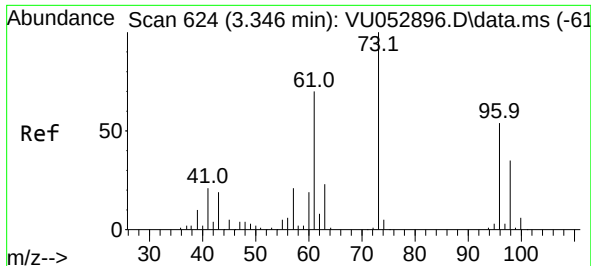
Tgt Ion: 43 Resp: 88610
Ion Ratio Lower Upper
43 100
74 28.6 22.0 33.0



#16
Methylene chloride
Concen: 46.371 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion: 84 Resp: 104220
Ion Ratio Lower Upper
84 100
86 65.3 43.4 80.6
49 106.5 72.4 134.5

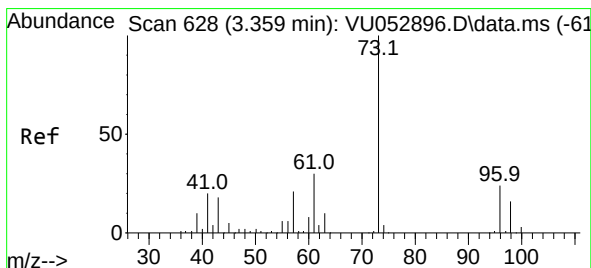
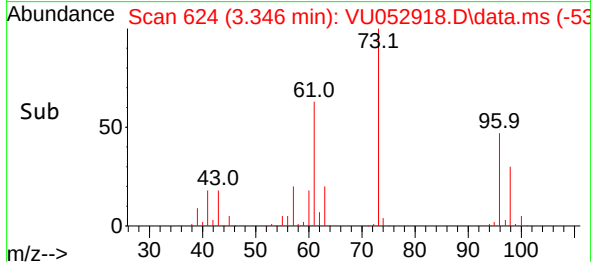
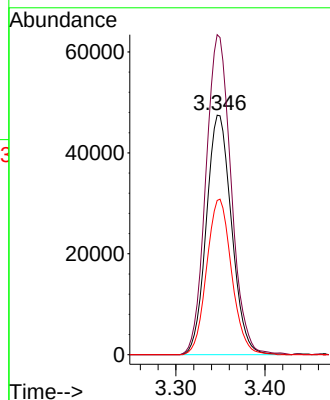
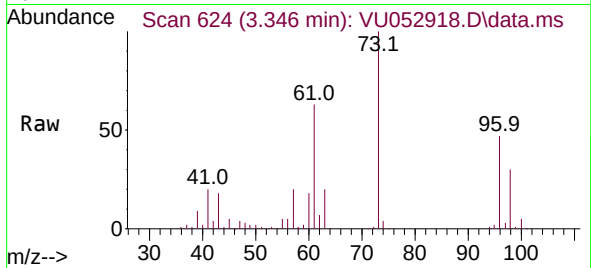




#17
trans-1,2-Dichloroethene
Concen: 45.718 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

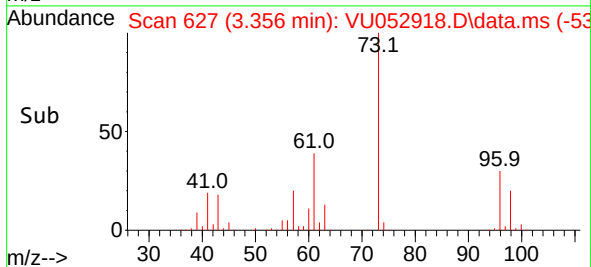
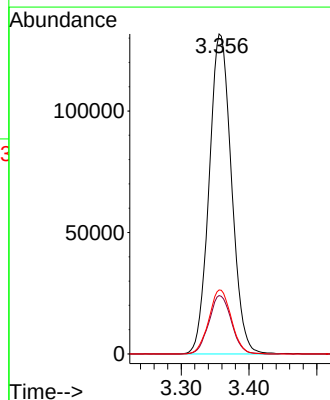
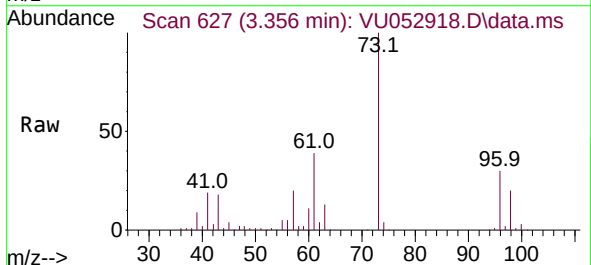
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

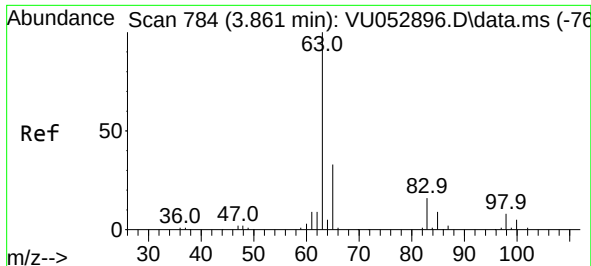
Tgt Ion: 96 Resp: 93348
Ion Ratio Lower Upper
96 100
61 133.6 92.7 172.3
98 64.4 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 50.166 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion: 73 Resp: 301188
Ion Ratio Lower Upper
73 100
43 18.4 14.2 21.2
57 20.2 16.3 24.5

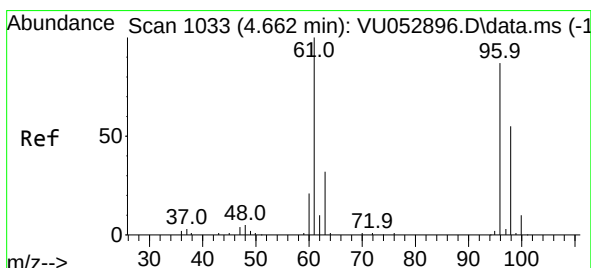
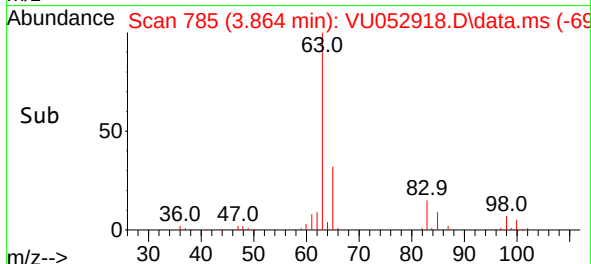
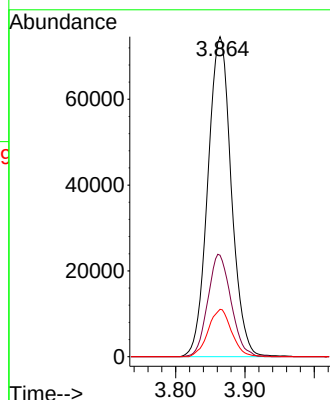
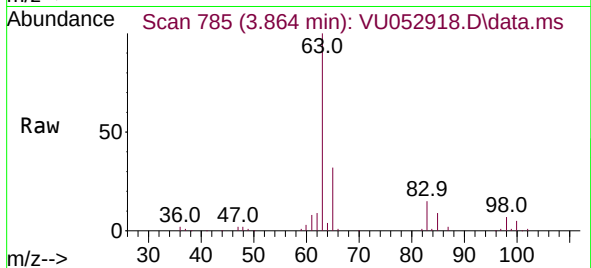




#19
1,1-Dichloroethane
Concen: 49.032 ug/L
RT: 3.864 min Scan# 784
Delta R.T. 0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

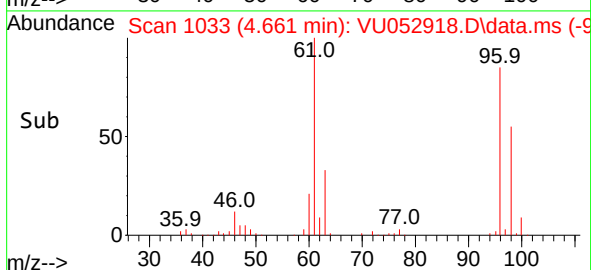
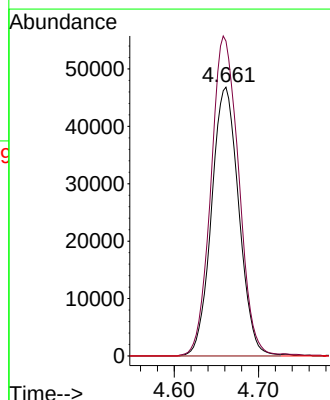
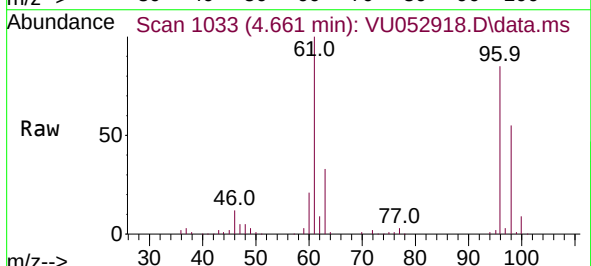
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

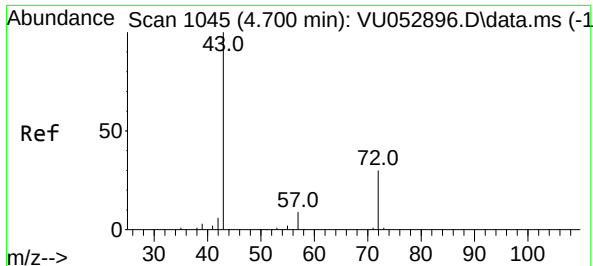
Tgt Ion: 63 Resp: 175577
Ion Ratio Lower Upper
63 100
65 31.7 22.4 41.6
83 14.8 9.2 17.2



#20
cis-1,2-Dichloroethene
Concen: 48.303 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion: 96 Resp: 105301
Ion Ratio Lower Upper
96 100
61 117.1 84.1 156.1
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 84.780 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. -0.003 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

Instrument :

MSVOA_U

ClientSampleId :

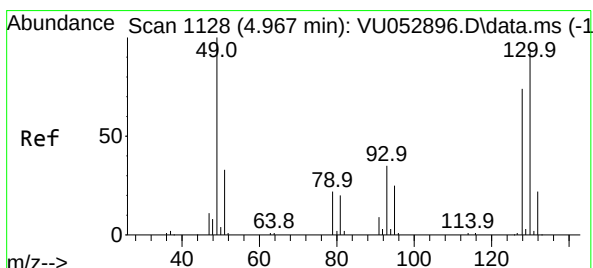
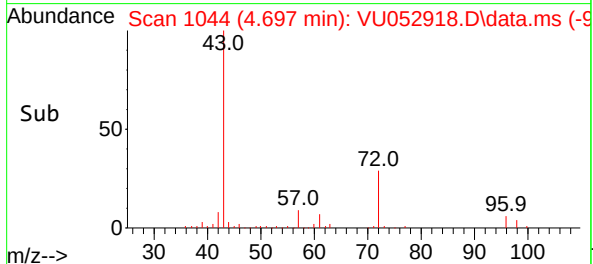
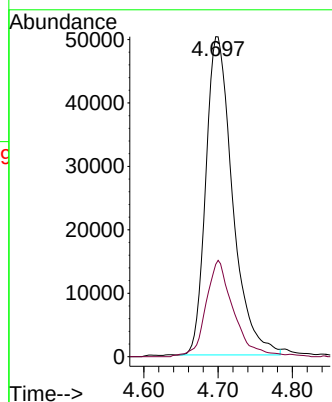
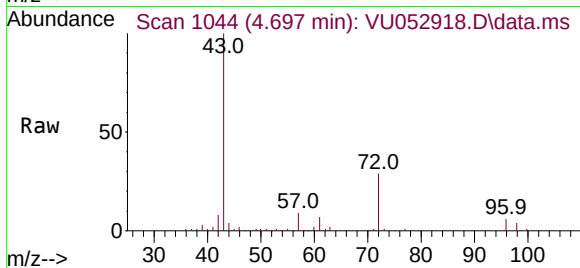
VSTD050148

Tgt Ion: 43 Resp: 125683

Ion Ratio Lower Upper

43 100

72 31.1 15.5 46.5



#23

Bromochloromethane

Concen: 46.547 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

Tgt Ion:128 Resp: 56982

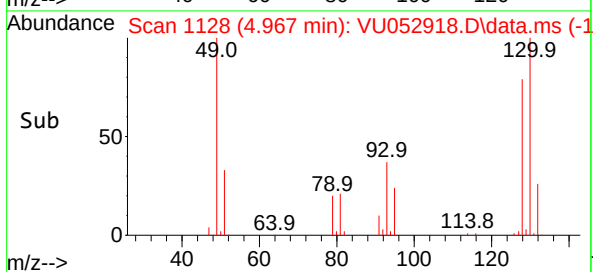
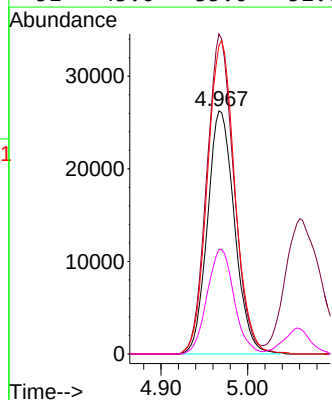
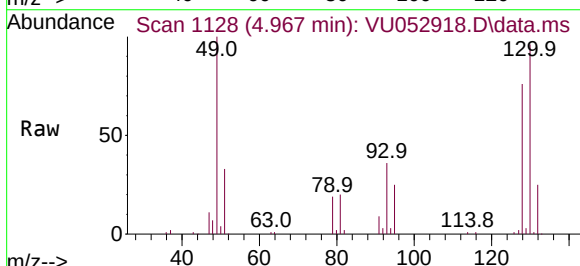
Ion Ratio Lower Upper

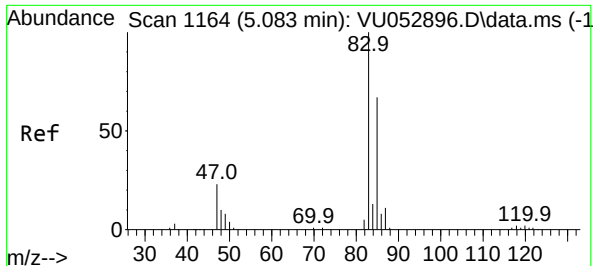
128 100

49 131.7 90.1 167.3

130 126.8 90.1 167.3

51 43.0 35.0 52.6





#25

Chloroform

Concen: 47.426 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

Instrument :

MSVOA_U

ClientSampleId :

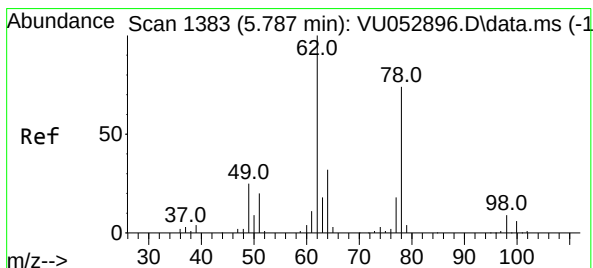
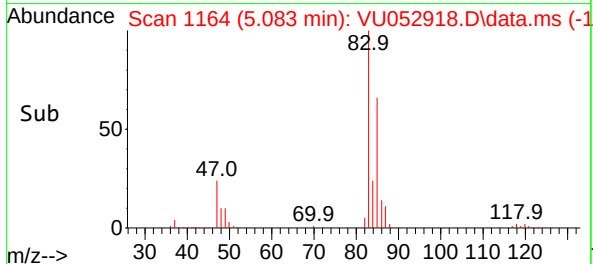
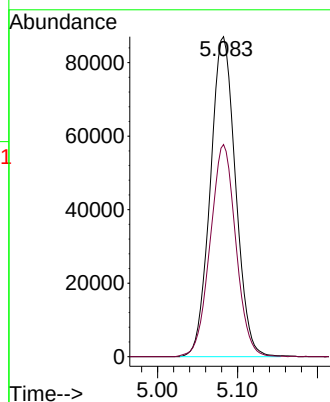
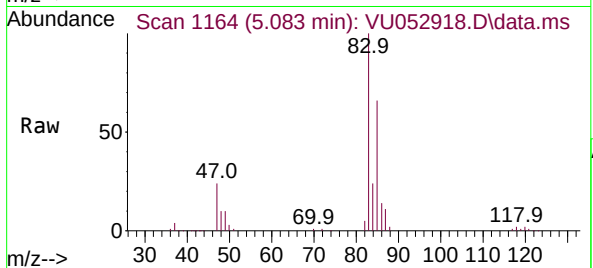
VSTD050148

Tgt Ion: 83 Resp: 190650

Ion Ratio Lower Upper

83 100

85 66.3 45.8 85.0



#27

1,2-Dichloroethane

Concen: 48.537 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU052918.D

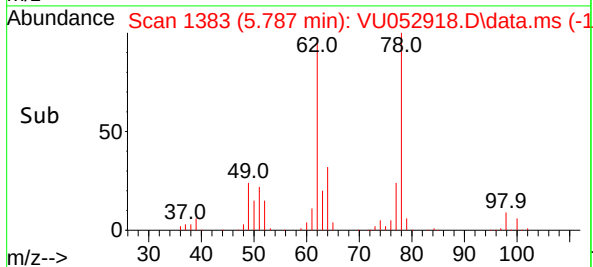
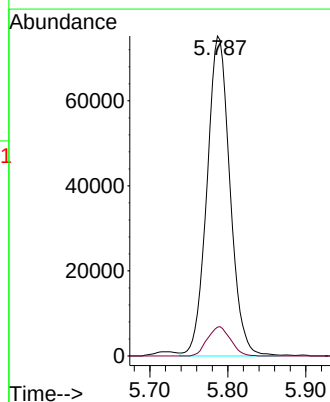
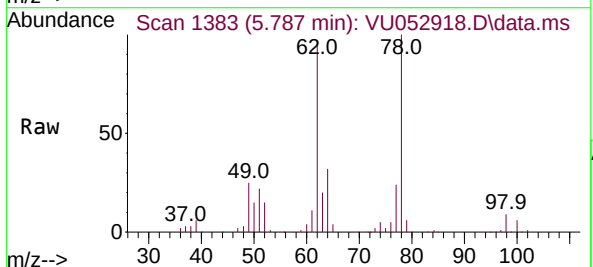
Acq: 01 Feb 2023 20:36

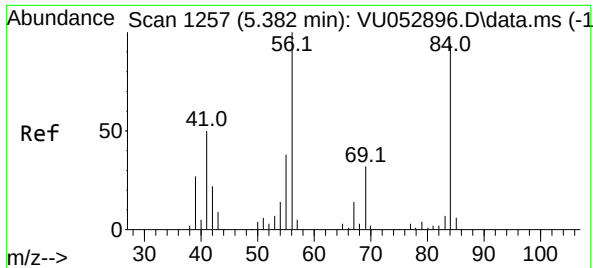
Tgt Ion: 62 Resp: 154464

Ion Ratio Lower Upper

62 100

98 9.0 7.6 11.4

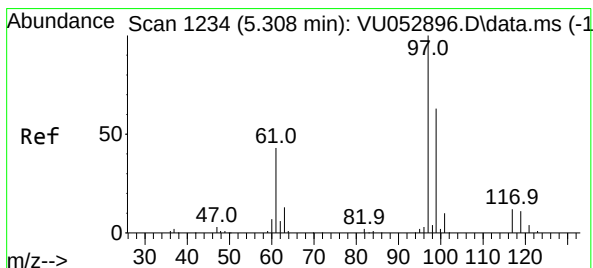
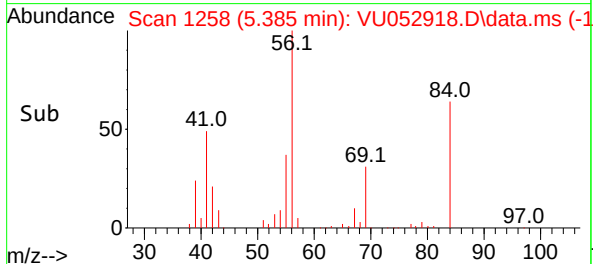
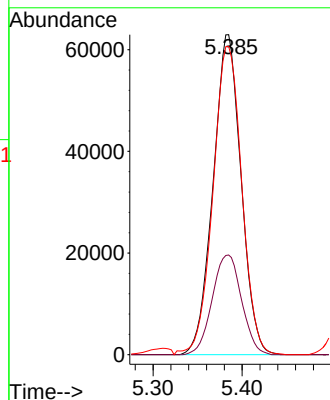
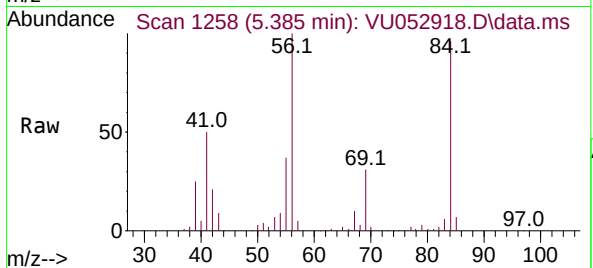




#29
Cyclohexane
Concen: 47.116 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

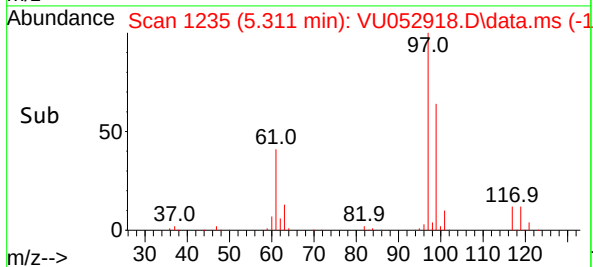
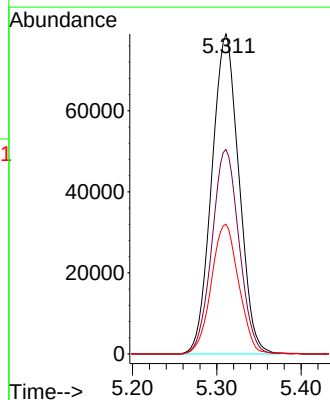
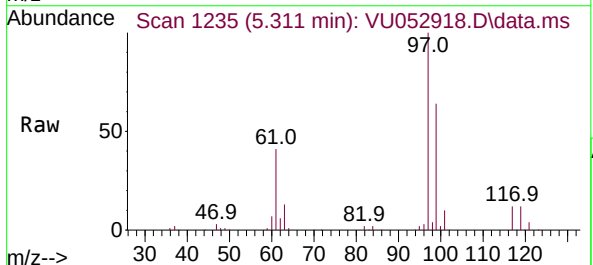
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

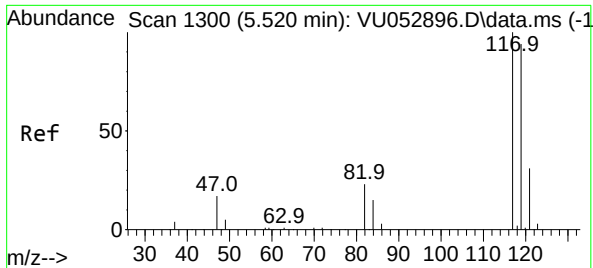
Tgt Ion:	56	Resp:	137475
Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.6	40.0
84	98.7	77.0	115.4



#30
1,1,1-Trichloroethane
Concen: 48.870 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion:	97	Resp:	176998
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	40.8	33.0	49.6

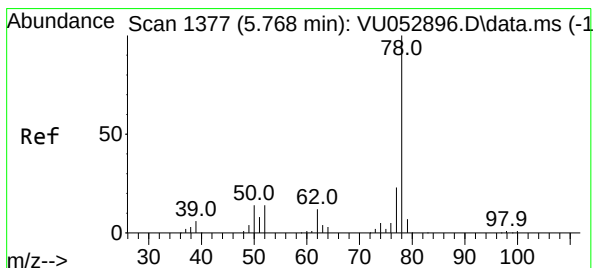
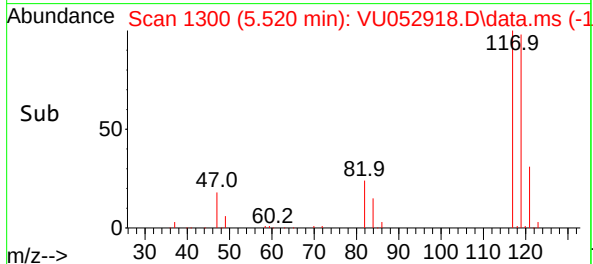
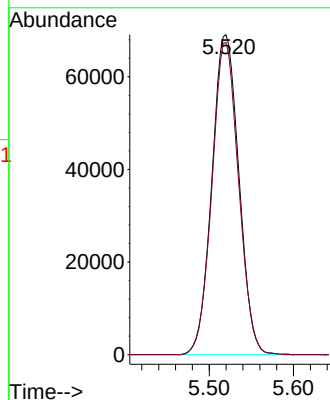
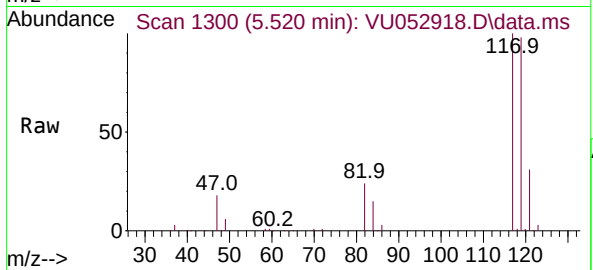




#31
Carbon tetrachloride
Concen: 48.810 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

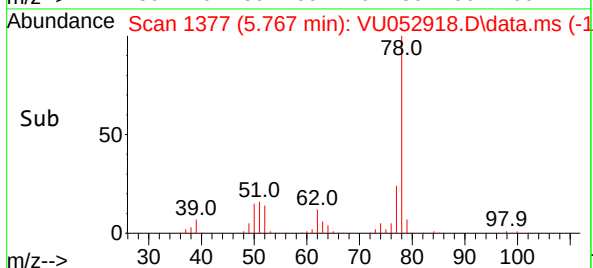
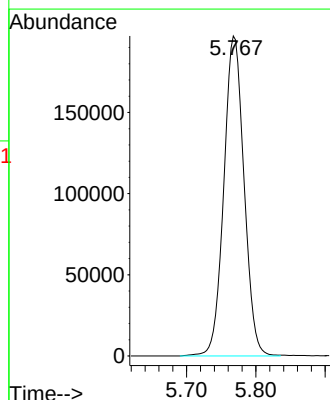
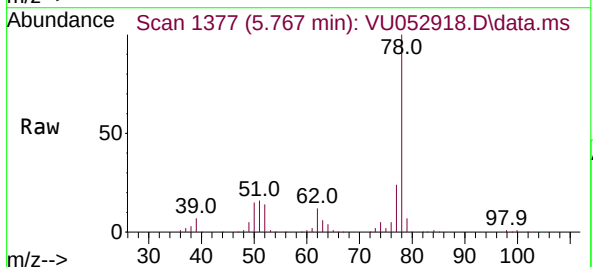
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

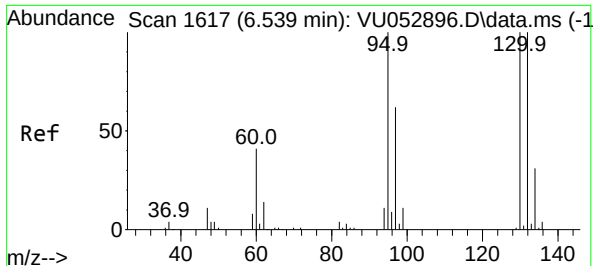
Tgt Ion:117 Resp: 153243
Ion Ratio Lower Upper
117 100
119 96.4 76.2 114.4



#33
Benzene
Concen: 47.703 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion: 78 Resp: 399822

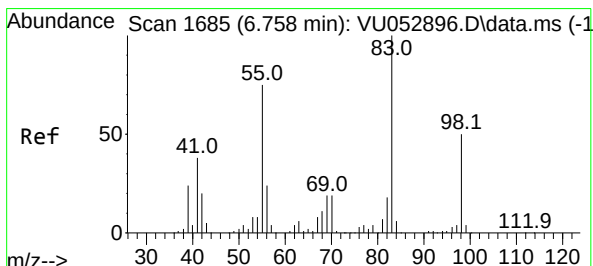
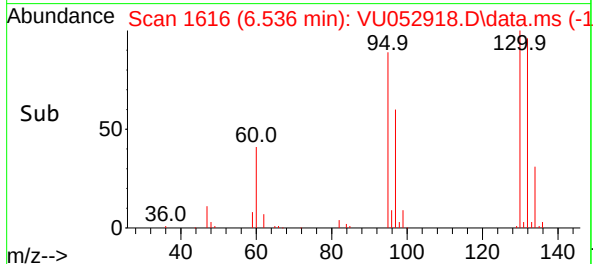
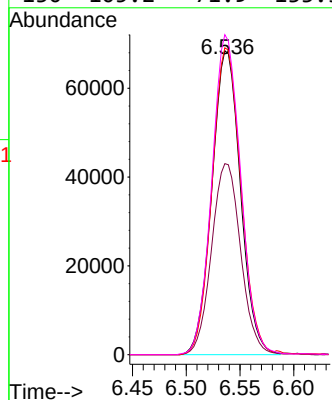
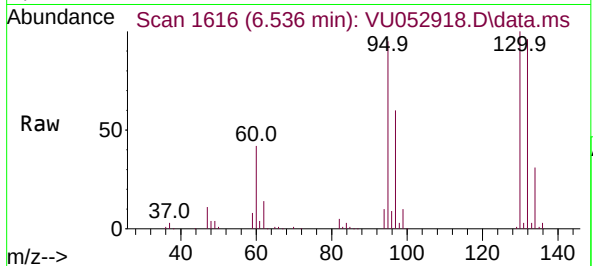




#34
Trichloroethene
Concen: 59.495 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

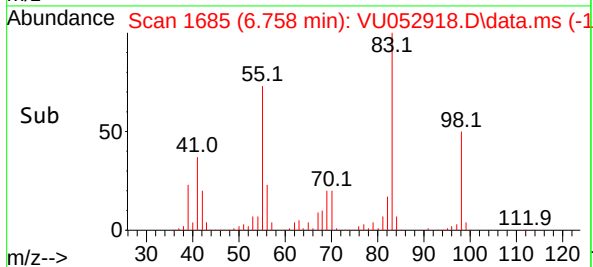
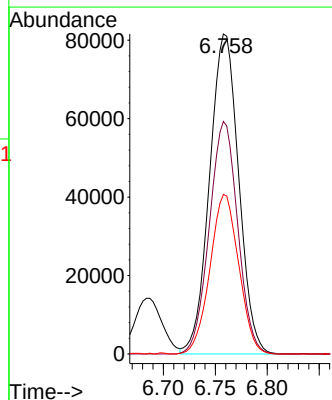
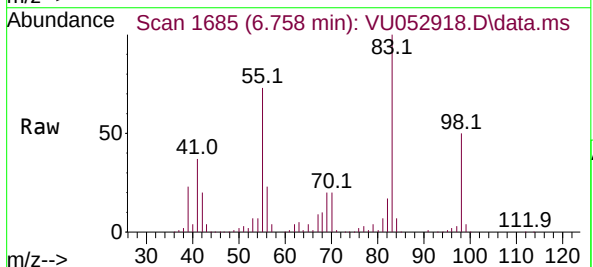
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

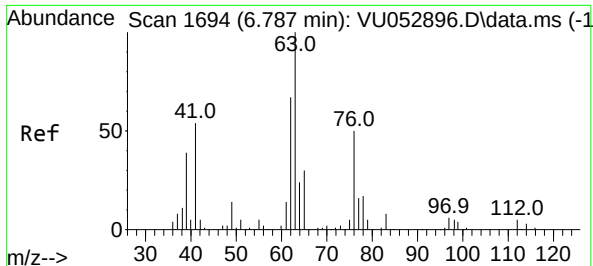
Tgt Ion: 95 Resp: 126745
Ion Ratio Lower Upper
95 100
97 62.8 44.5 82.7
132 100.9 66.8 124.0
130 105.2 71.9 133.5



#35
Methylcyclohexane
Concen: 47.176 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion: 83 Resp: 159067
Ion Ratio Lower Upper
83 100
55 71.0 57.1 85.7
98 49.2 38.9 58.3

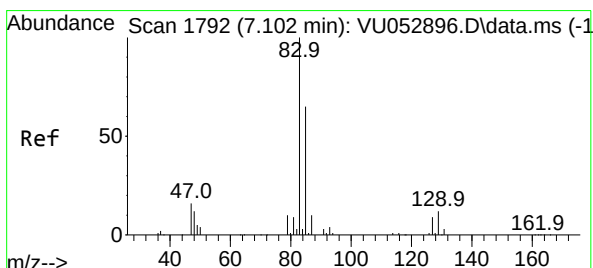
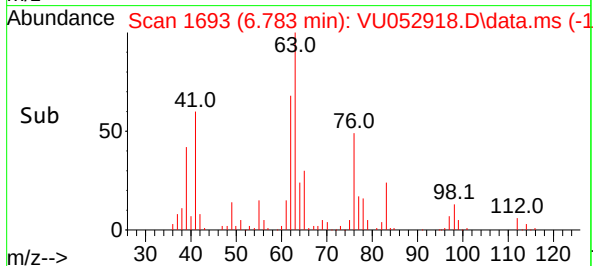
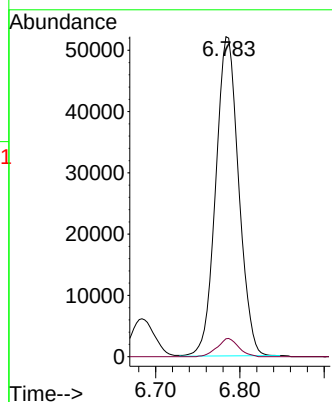
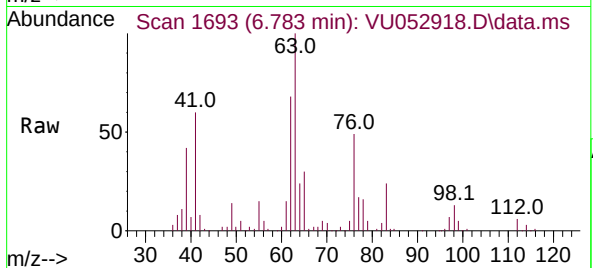




#37
1,2-Dichloropropane
Concen: 47.732 ug/L
RT: 6.783 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

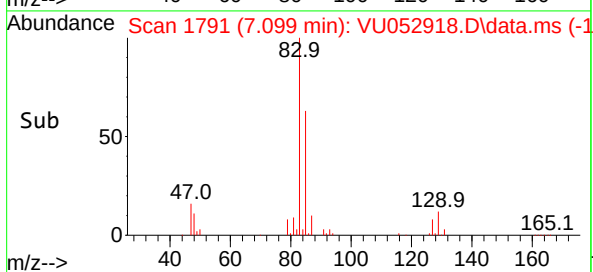
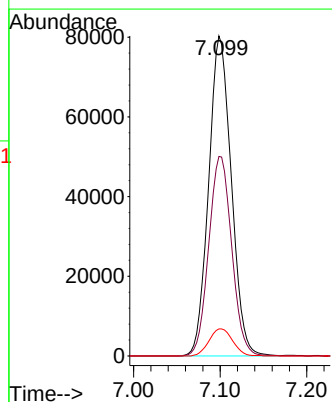
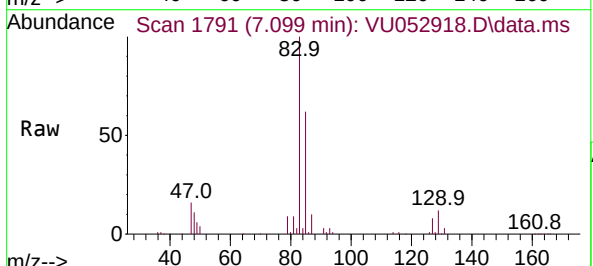
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

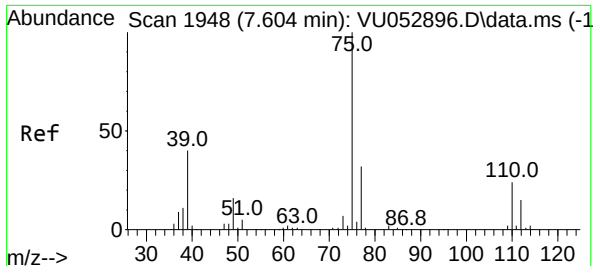
Tgt Ion: 63 Resp: 98358
Ion Ratio Lower Upper
63 100
112 5.3 3.8 5.8



#38
Bromodichloromethane
Concen: 48.248 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion: 83 Resp: 145896
Ion Ratio Lower Upper
83 100
85 62.4 45.2 84.0
127 8.4 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 48.570 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

Instrument :

MSVOA_U

ClientSampleId :

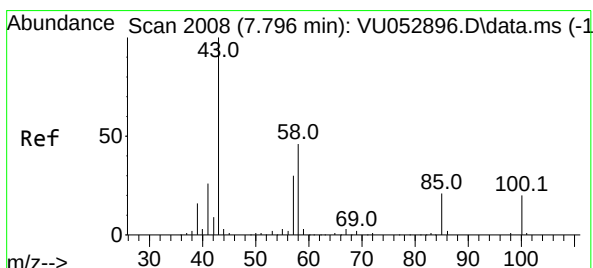
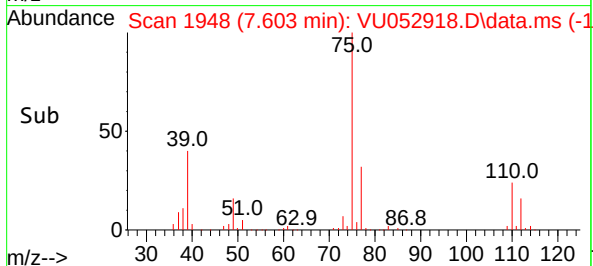
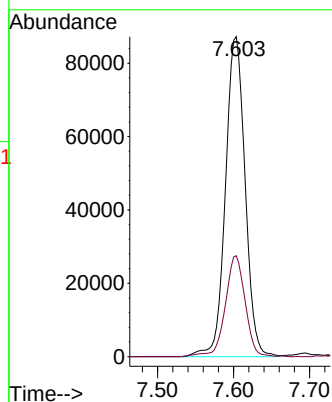
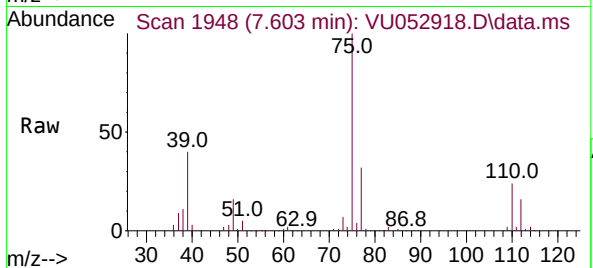
VSTD050148

Tgt Ion: 75 Resp: 156779

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 101.509 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.007 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

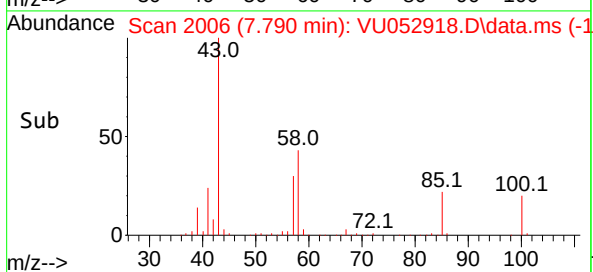
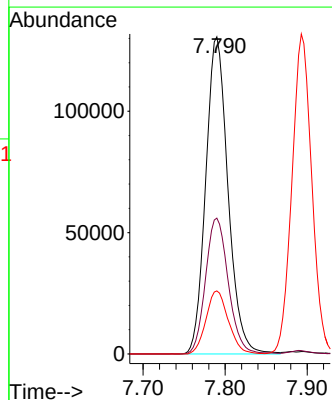
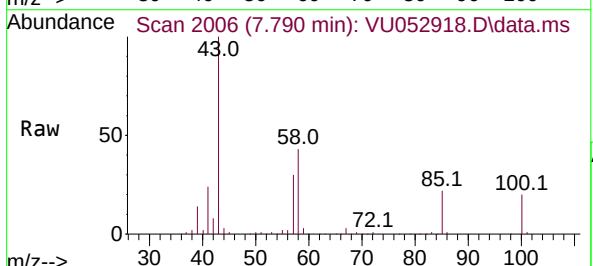
Tgt Ion: 43 Resp: 246432

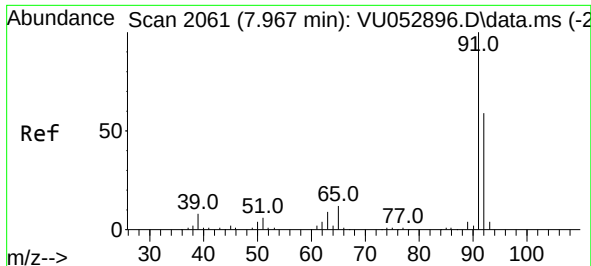
Ion Ratio Lower Upper

43 100

58 43.7 35.4 53.2

100 20.0 16.0 24.0





#42

Toluene

Concen: 49.030 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

Instrument :

MSVOA_U

ClientSampleId :

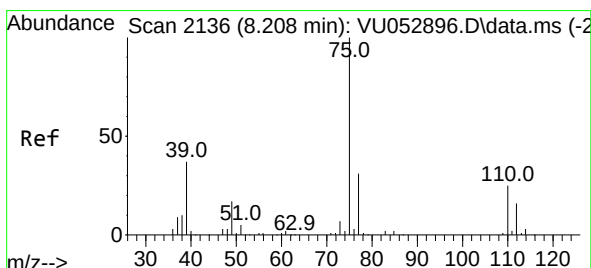
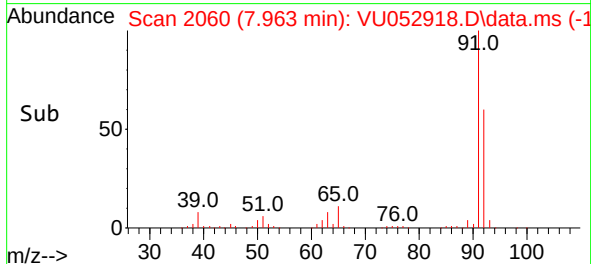
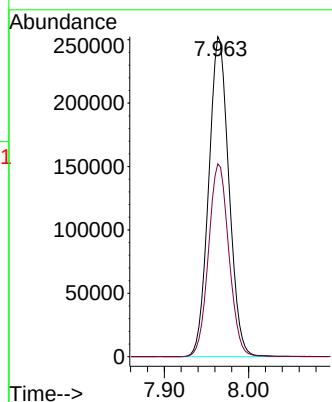
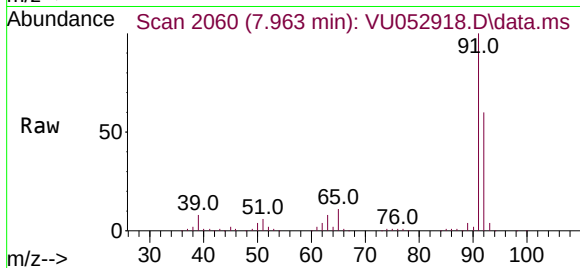
VSTD050148

Tgt Ion: 91 Resp: 421170

Ion Ratio Lower Upper

91 100

92 60.2 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 49.170 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU052918.D

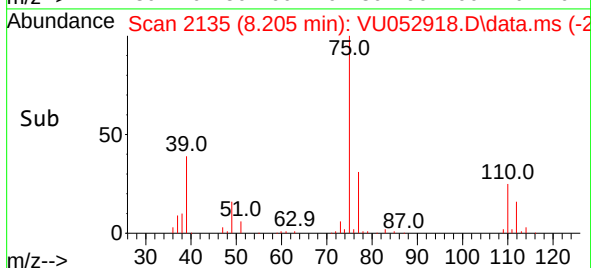
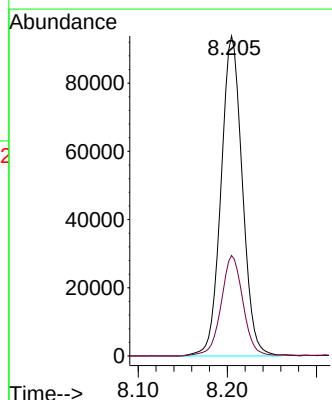
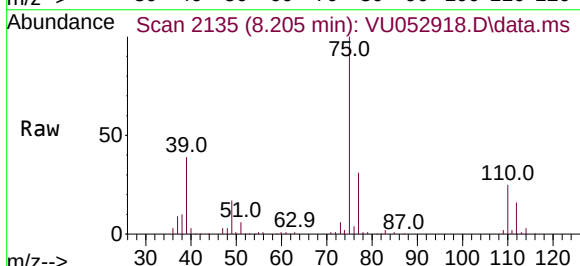
Acq: 01 Feb 2023 20:36

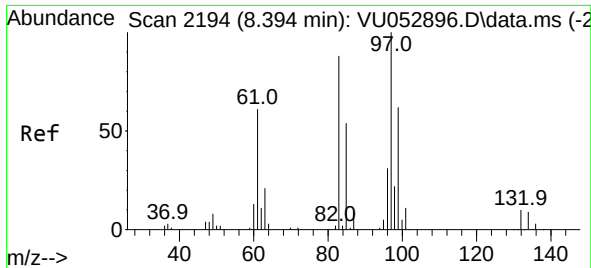
Tgt Ion: 75 Resp: 155977

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.3



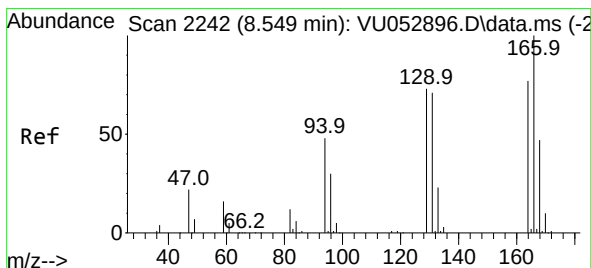
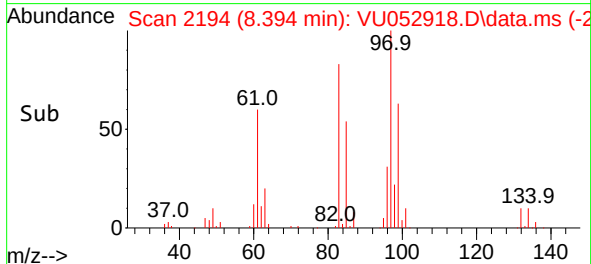
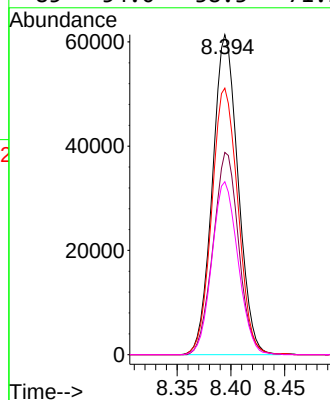
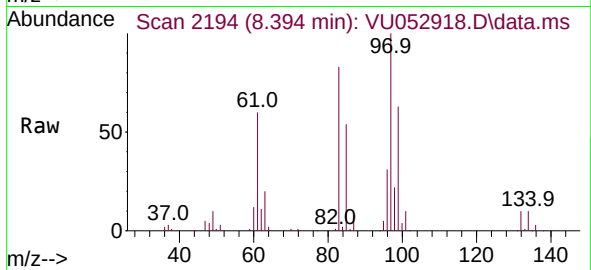


#45
1,1,2-Trichloroethane
Concen: 48.338 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

Tgt Ion: 97 Resp: 101859

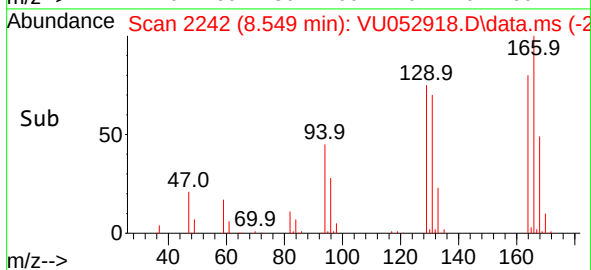
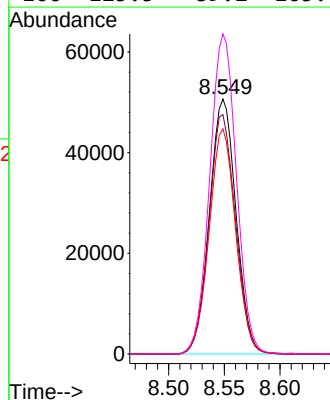
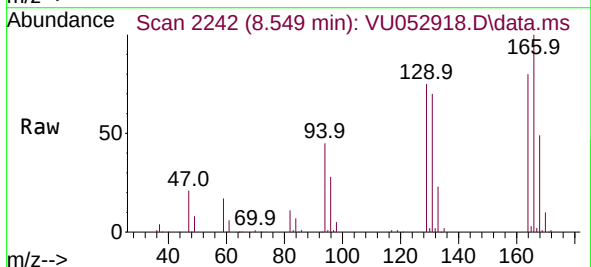
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.7	83.1
83	83.3	60.3	112.1
85	54.0	38.3	71.1

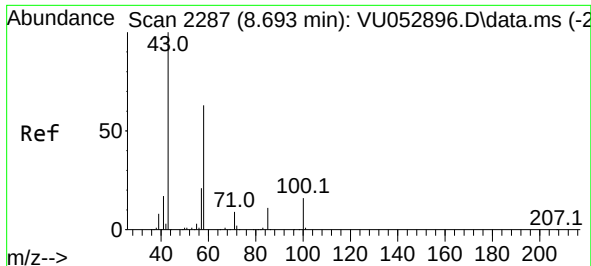


#46
Tetrachloroethene
Concen: 45.919 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion: 164 Resp: 84233

Ion	Ratio	Lower	Upper
164	100		
129	93.9	64.8	120.3
131	88.3	61.2	113.6
166	125.5	89.2	165.8

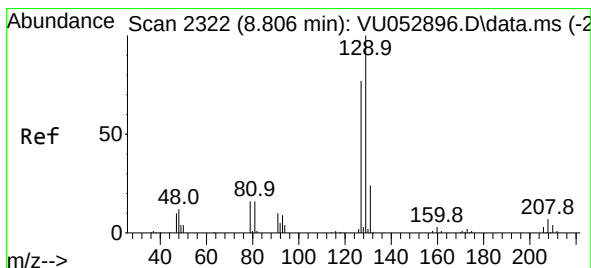
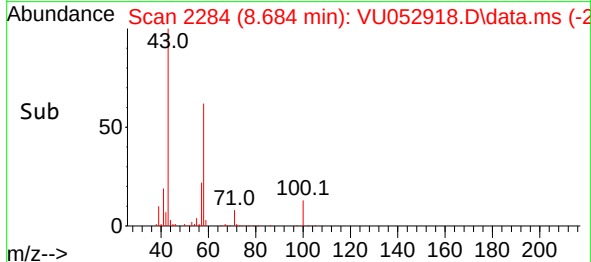
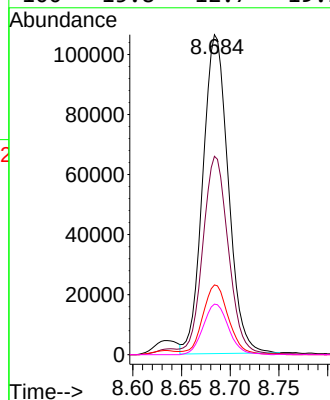
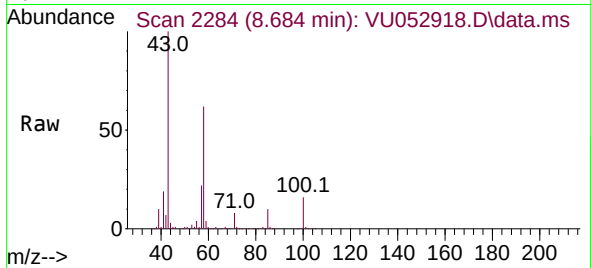




#48
2-Hexanone
Concen: 94.030 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.010 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

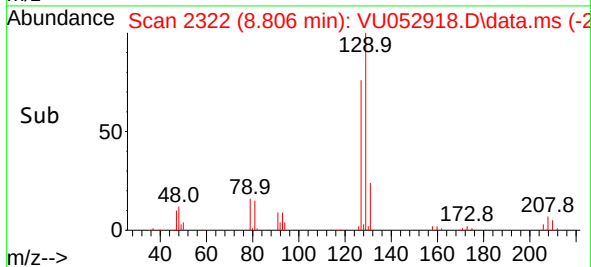
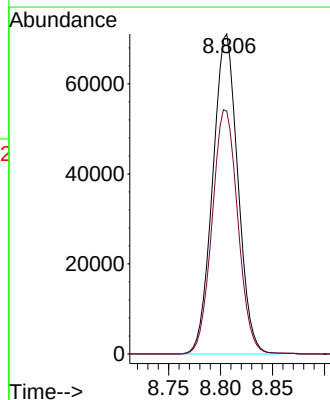
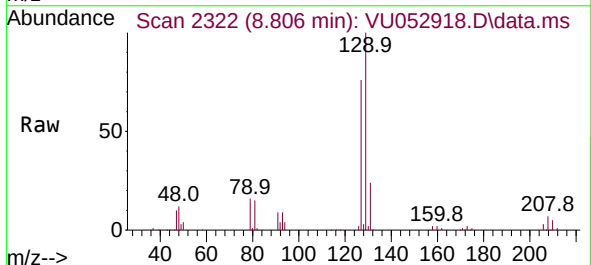
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

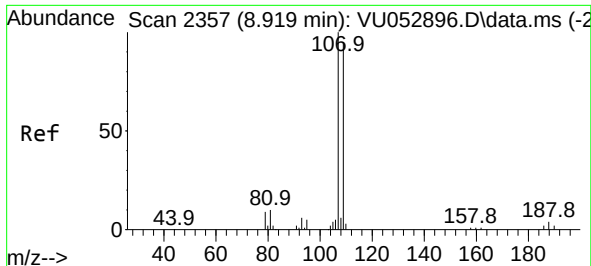
Tgt Ion: 43 Resp: 193118
Ion Ratio Lower Upper
43 100
58 62.1 48.0 72.0
57 22.3 16.8 25.2
100 15.8 12.7 19.1



#49
Dibromochloromethane
Concen: 47.497 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion: 129 Resp: 119691
Ion Ratio Lower Upper
129 100
127 75.9 53.2 98.8

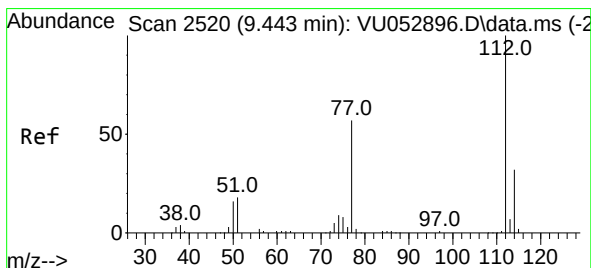
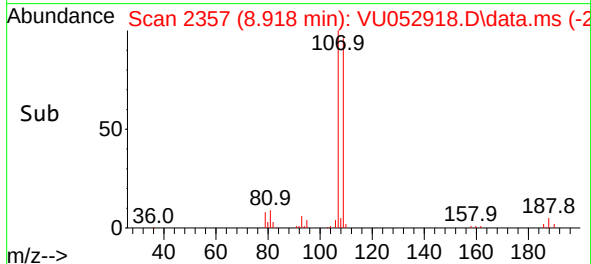
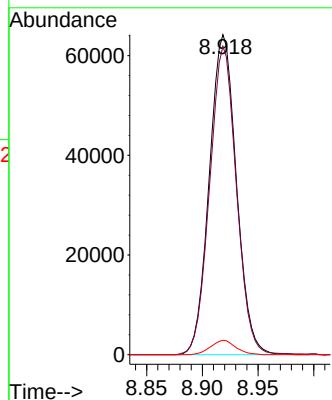
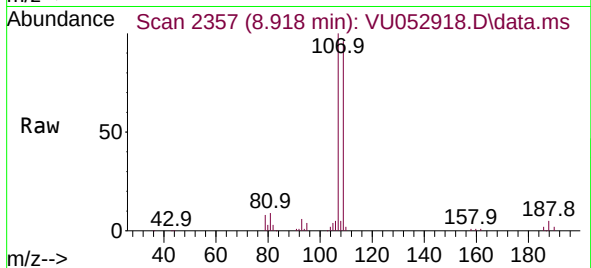




#50
1,2-Dibromoethane
Concen: 47.856 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

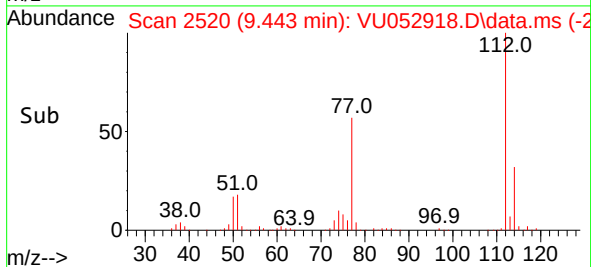
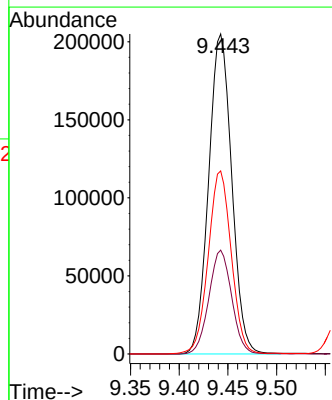
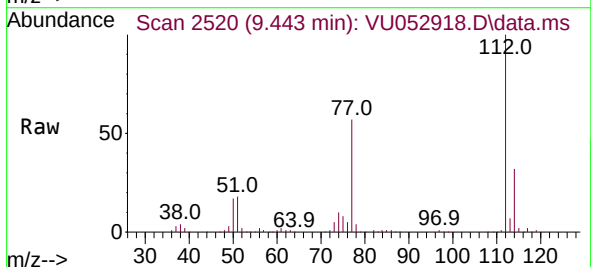
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

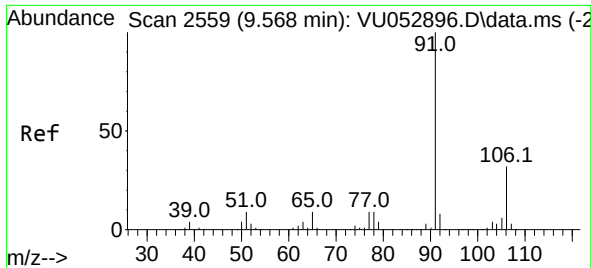
Tgt Ion:107 Resp: 108534
Ion Ratio Lower Upper
107 100
109 96.3 65.5 121.6
188 4.5 3.2 4.8



#51
Chlorobenzene
Concen: 57.159 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion:112 Resp: 337801
Ion Ratio Lower Upper
112 100
114 32.5 22.8 42.4
77 57.2 45.9 68.9

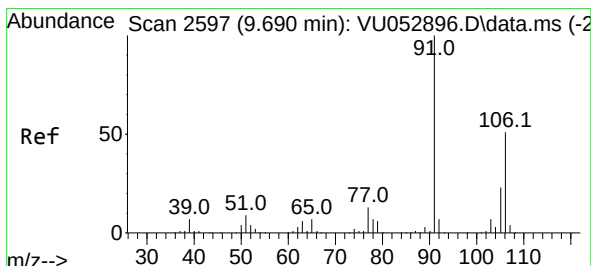
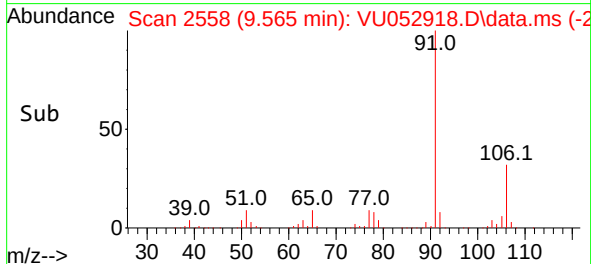
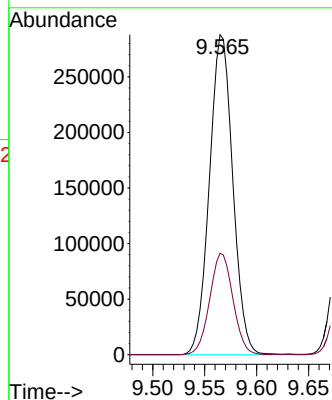
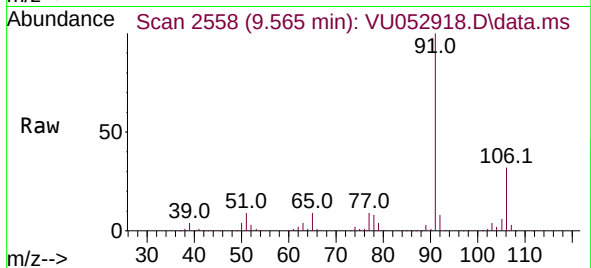




#52
Ethylbenzene
Concen: 49.063 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

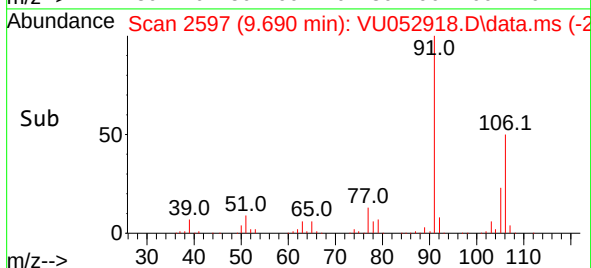
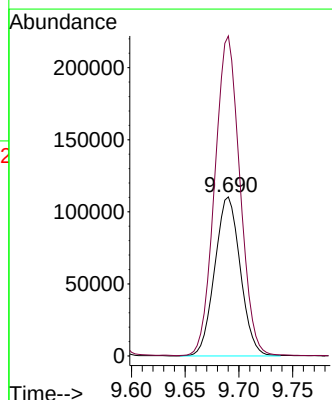
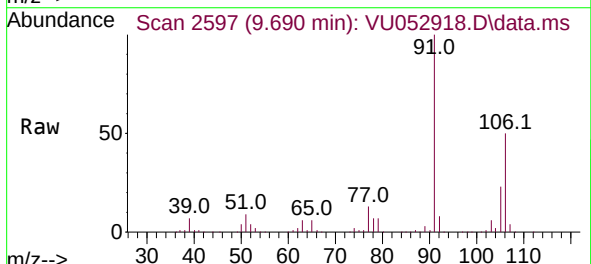
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

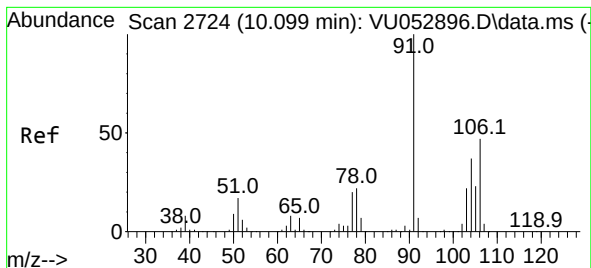
Tgt Ion: 91 Resp: 450399
Ion Ratio Lower Upper
91 100
106 31.7 22.0 40.8



#53
m,p-Xylene
Concen: 49.175 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion: 106 Resp: 182751
Ion Ratio Lower Upper
106 100
91 201.1 137.4 255.2





#54

o-xylene

Concen: 50.423 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

Instrument :

MSVOA_U

ClientSampleId :

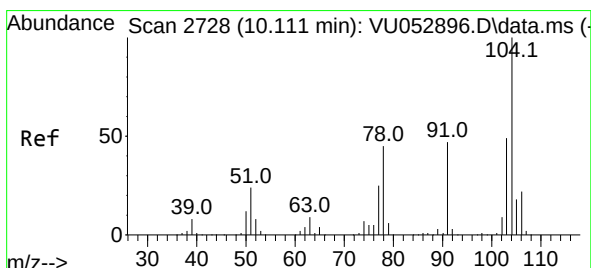
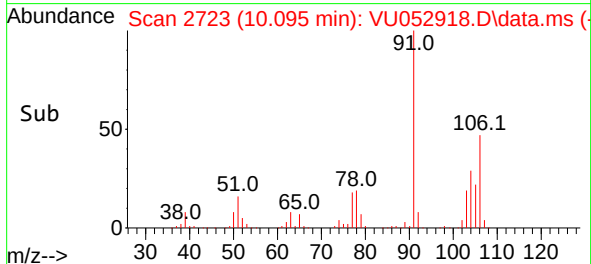
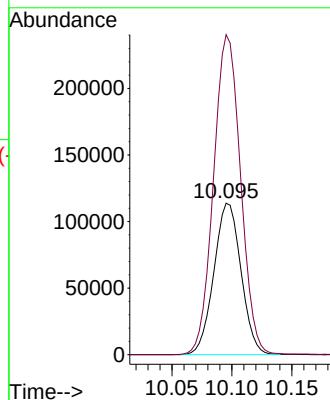
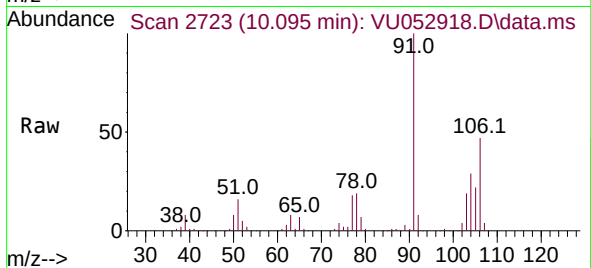
VSTD050148

Tgt Ion:106 Resp: 178890

Ion Ratio Lower Upper

106 100

91 211.2 143.4 266.2



#55

Styrene

Concen: 50.598 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU052918.D

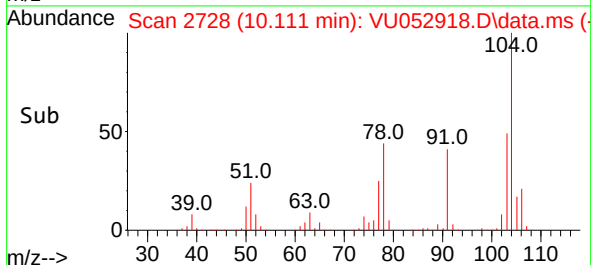
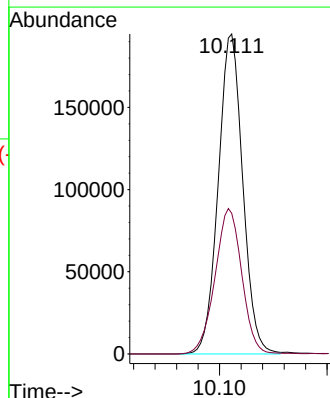
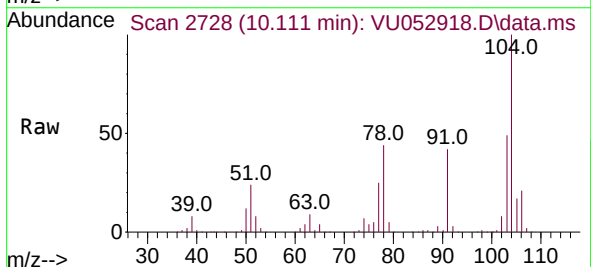
Acq: 01 Feb 2023 20:36

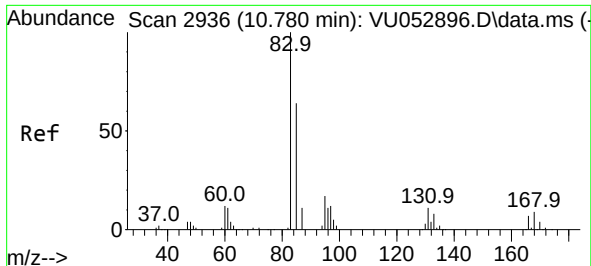
Tgt Ion:104 Resp: 308042

Ion Ratio Lower Upper

104 100

78 44.0 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 48.978 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.003 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050148

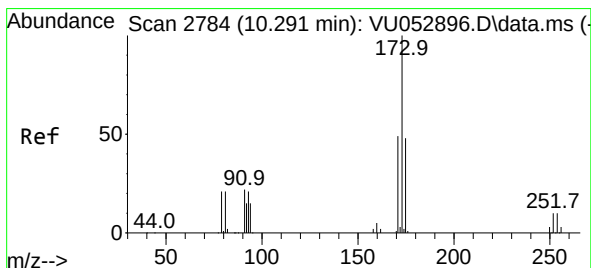
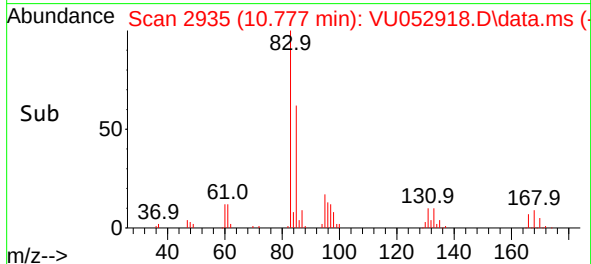
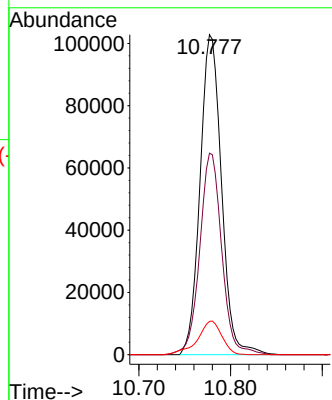
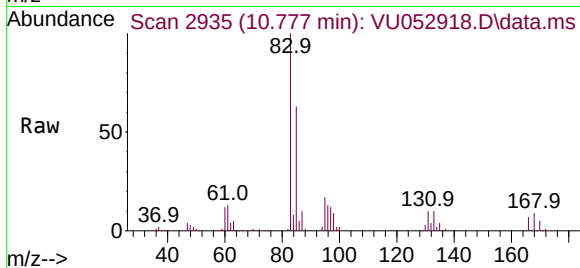
Tgt Ion: 83 Resp: 167025

Ion Ratio Lower Upper

83 100

85 62.9 45.0 83.6

131 10.4 8.6 12.8



#59

Bromoform

Concen: 47.573 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.003 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

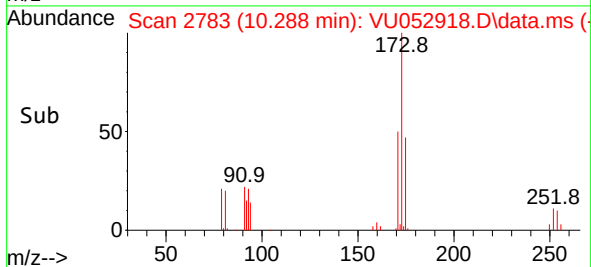
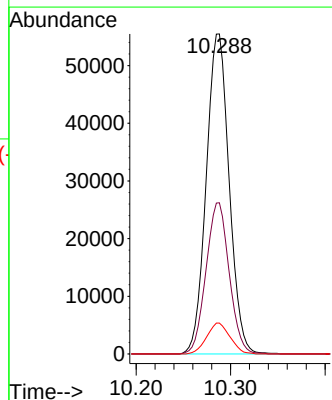
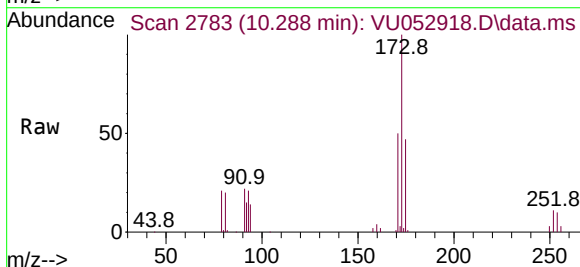
Tgt Ion:173 Resp: 93428

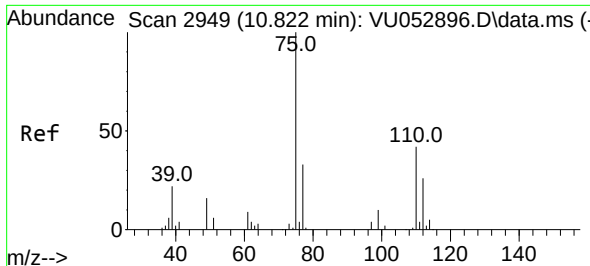
Ion Ratio Lower Upper

173 100

175 47.8 37.7 56.5

254 9.8 8.3 12.5

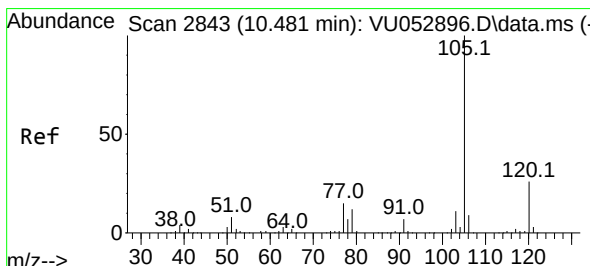
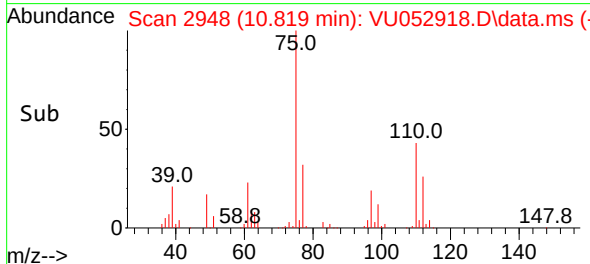
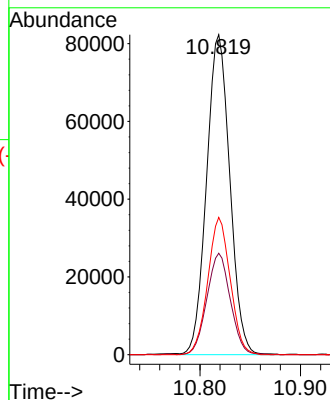
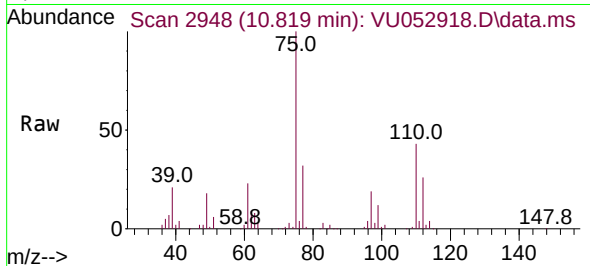




#60
1,2,3-Trichloropropane
Concen: 47.597 ug/L
RT: 10.819 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

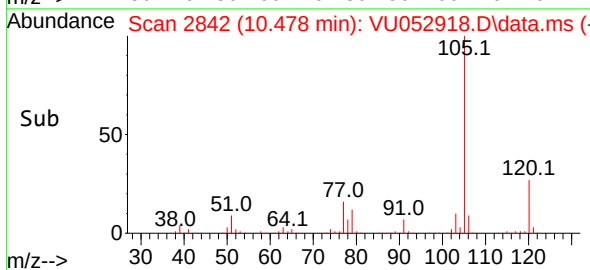
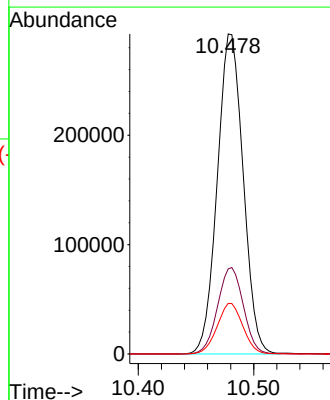
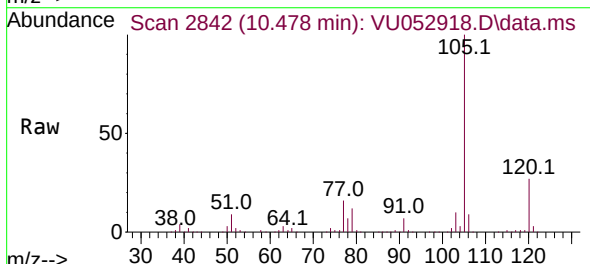
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

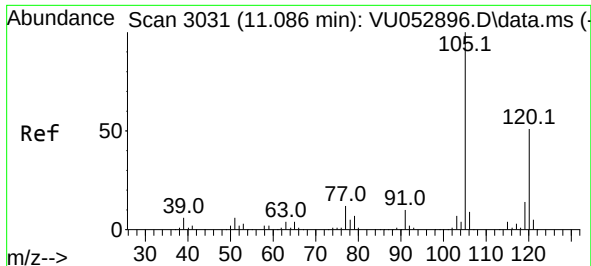
Tgt Ion: 75 Resp: 132317
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.8
110 41.4 32.4 48.6



#61
Isopropylbenzene
Concen: 49.225 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion: 105 Resp: 455627
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.2
77 15.7 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 50.235 ug/L

RT: 11.082 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

Instrument :

MSVOA_U

ClientSampleId :

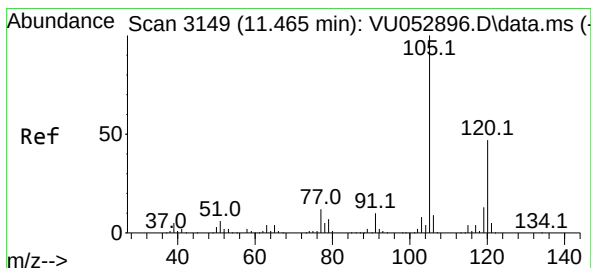
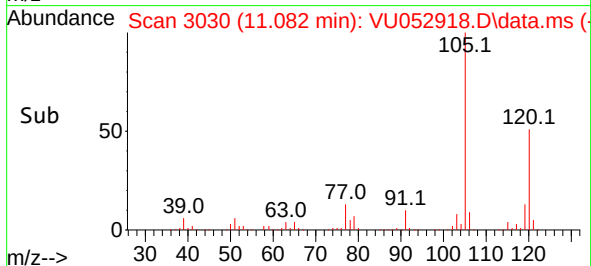
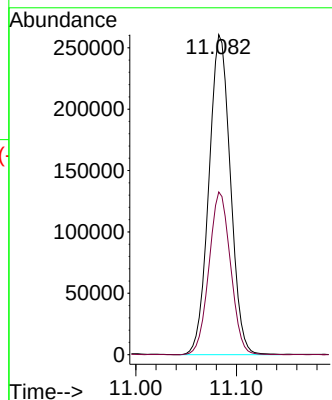
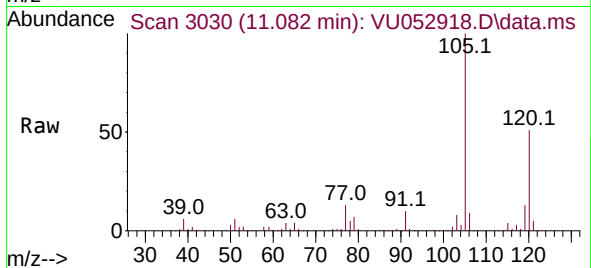
VSTD050148

Tgt Ion:105 Resp: 387156

Ion Ratio Lower Upper

105 100

120 50.9 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 51.243 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.003 min

Lab File: VU052918.D

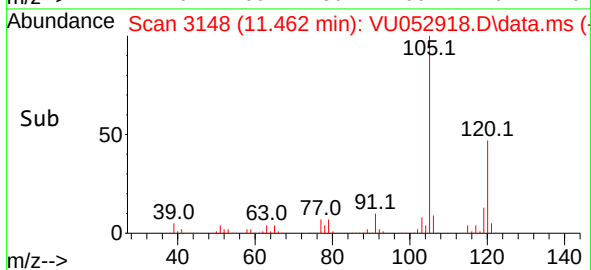
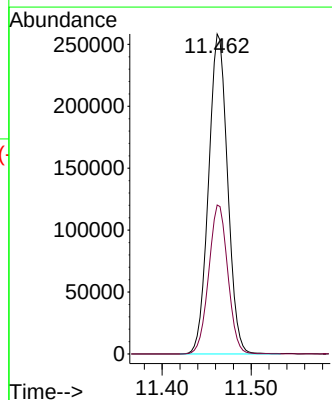
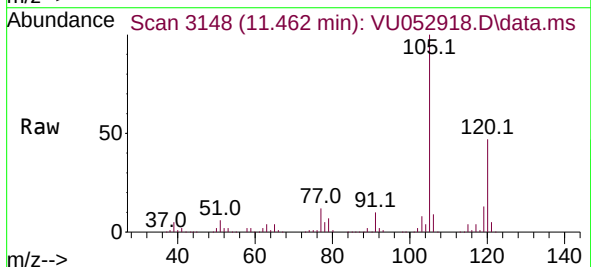
Acq: 01 Feb 2023 20:36

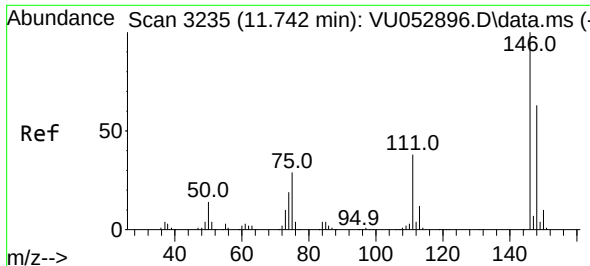
Tgt Ion:105 Resp: 382157

Ion Ratio Lower Upper

105 100

120 46.7 38.1 57.1

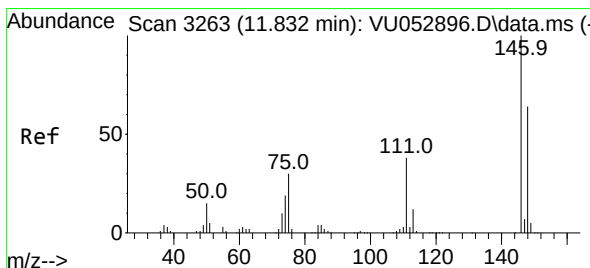
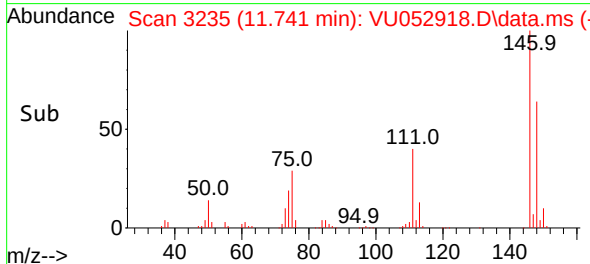
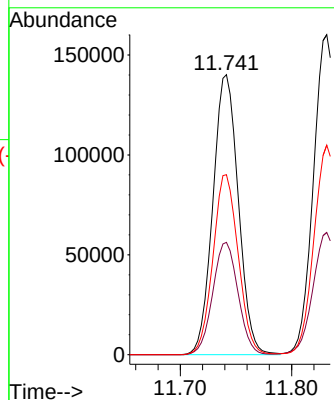
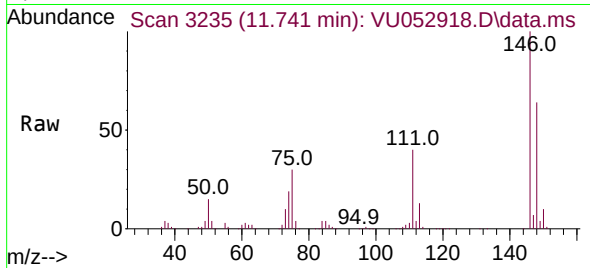




#64
1,3-Dichlorobenzene
Concen: 47.662 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

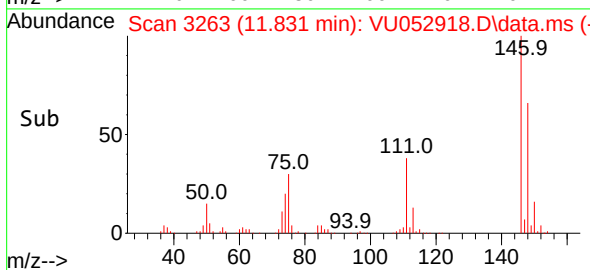
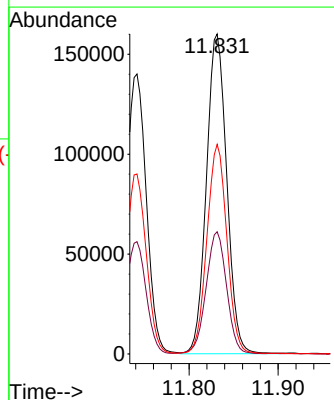
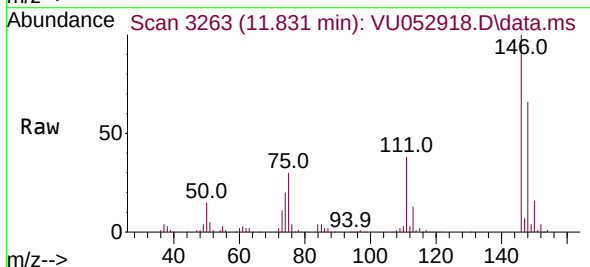
Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

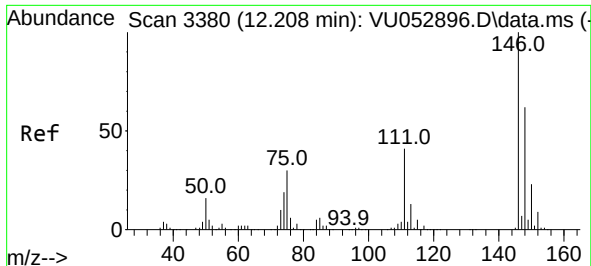
Tgt Ion:146 Resp: 222576
Ion Ratio Lower Upper
146 100
111 40.1 27.8 51.6
148 64.3 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 52.461 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion:146 Resp: 253622
Ion Ratio Lower Upper
146 100
111 38.2 26.7 49.7
148 65.5 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 68.485 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050148

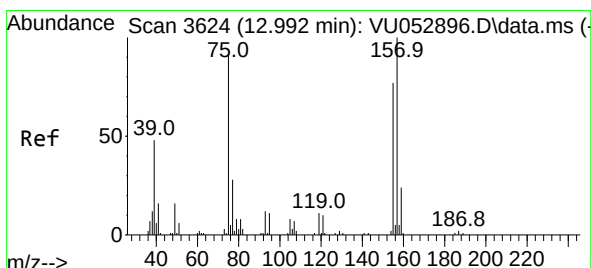
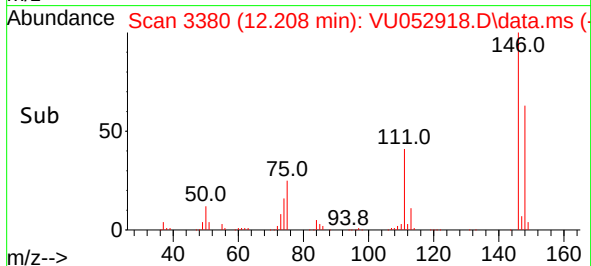
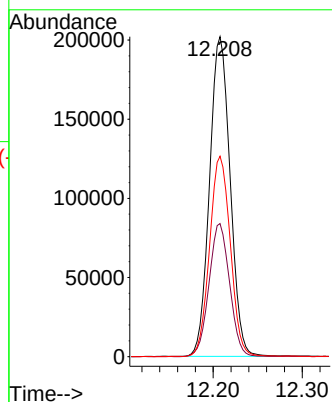
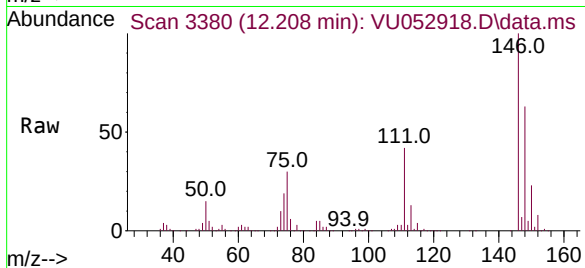
Tgt Ion:146 Resp: 323488

Ion Ratio Lower Upper

146 100

111 41.6 33.2 49.8

148 62.6 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 47.038 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU052918.D

Acq: 01 Feb 2023 20:36

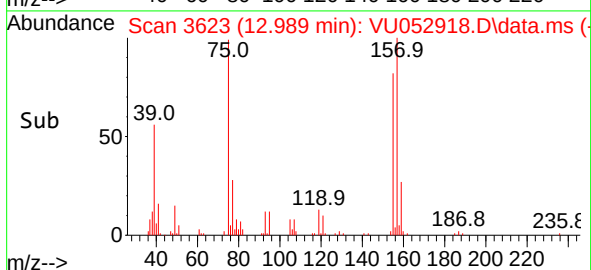
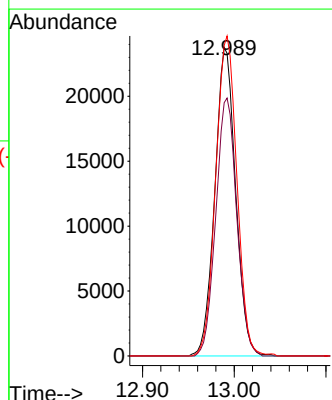
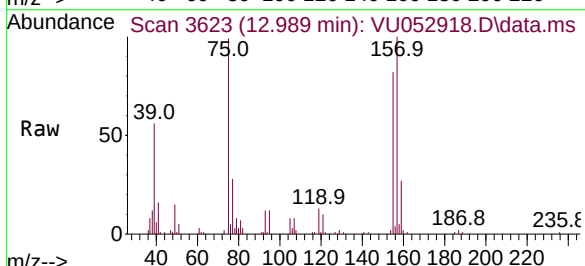
Tgt Ion: 75 Resp: 37482

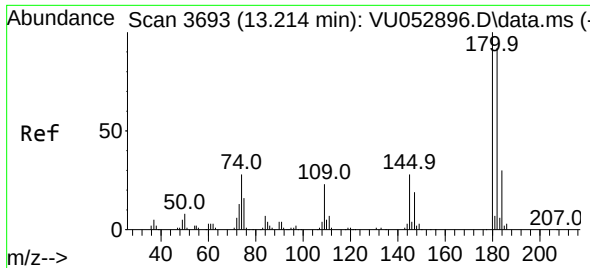
Ion Ratio Lower Upper

75 100

155 82.1 69.2 103.8

157 100.7 91.2 136.8



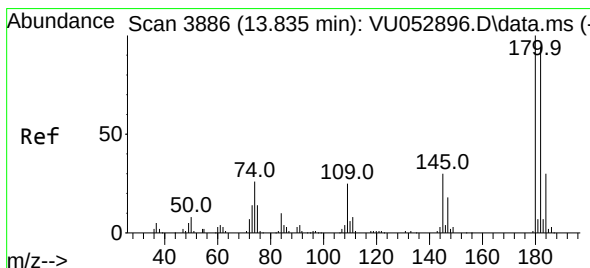
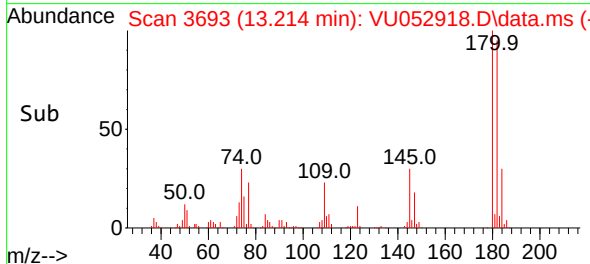
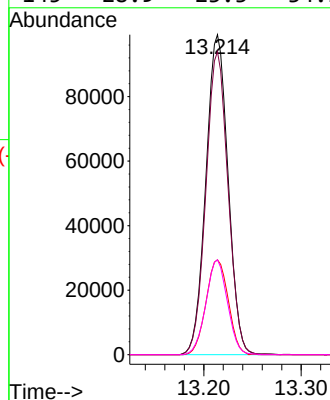
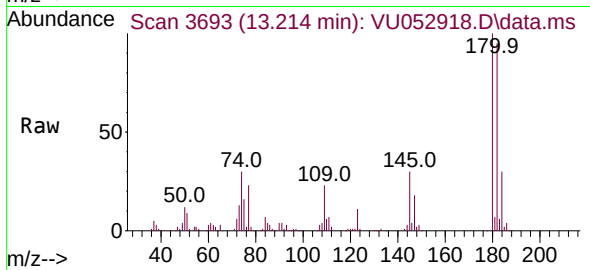


#69
 1,3,5-Trichlorobenzene
 Concen: 45.368 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU052918.D
 Acq: 01 Feb 2023 20:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050148

Tgt Ion:180 Resp: 156845

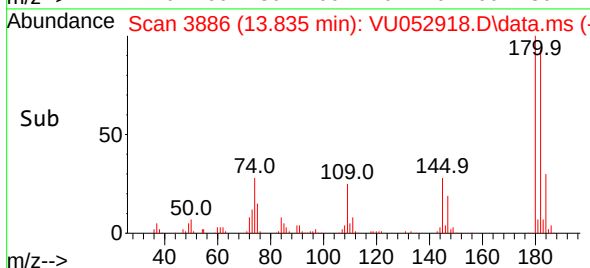
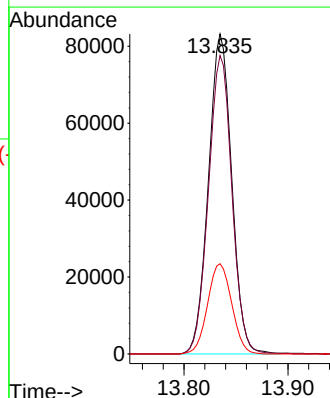
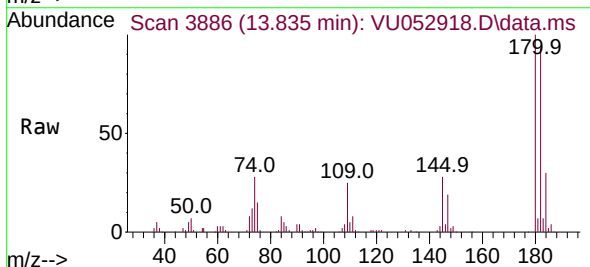
Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.0	115.6
184	29.7	24.4	36.6
145	28.9	23.3	34.9

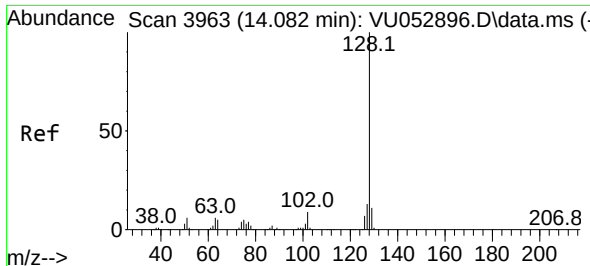


#70
 1,2,4-trichlorobenzene
 Concen: 44.642 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU052918.D
 Acq: 01 Feb 2023 20:36

Tgt Ion:180 Resp: 129395

Ion	Ratio	Lower	Upper
180	100		
182	94.1	78.2	117.2
145	29.2	23.4	35.2

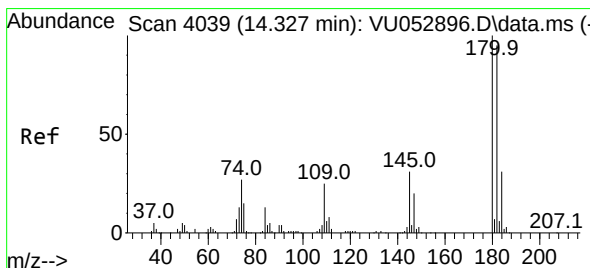
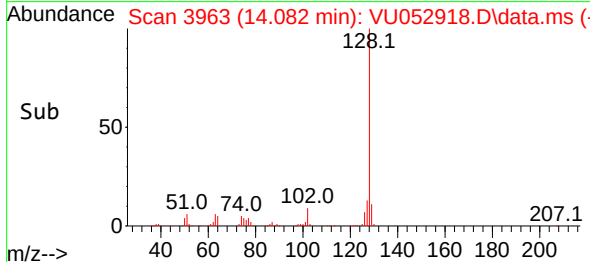
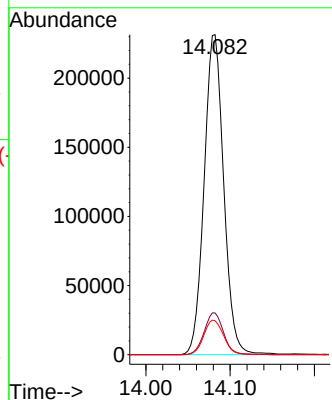
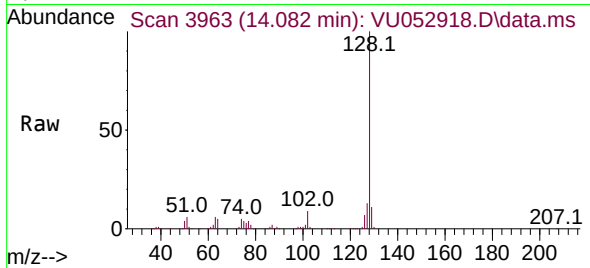




#71
Naphthalene
Concen: 44.978 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050148

Tgt Ion:128 Resp: 374642
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 44.353 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052918.D
Acq: 01 Feb 2023 20:36

Tgt Ion:180 Resp: 135863
Ion Ratio Lower Upper
180 100
182 94.6 77.5 116.3
145 31.2 24.2 36.4

