

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032323\
 Data File : VU053384.D
 Acq On : 23 Mar 2023 21:13
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050174

Quant Time: Mar 24 12:22:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 23 02:41:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	120926	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	113646	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	55885	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	41004	36.755	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.500%
7) Chloroethane-d5	1.909	69	39158	43.393	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.780%
11) 1,1-Dichloroethene-d2	2.565	63	75076	38.847	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.700%
21) 2-Butanone-d5	4.620	46	67223	129.918	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	129.920%
24) Chloroform-d	5.060	84	76238	41.491	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.980%
26) 1,2-Dichloroethane-d4	5.697	65	50903	44.607	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.220%
32) Benzene-d6	5.722	84	156925	42.572	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.140%
36) 1,2-Dichloropropane-d6	6.687	67	53487	44.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.920%
41) Toluene-d8	7.893	98	138172	40.261	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.520%
43) trans-1,3-Dichloroprop...	8.176	79	24523	41.779	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.560%
47) 2-Hexanone-d5	8.626	63	42607	114.553	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.550%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	80303	52.106	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.220%
66) 1,2-Dichlorobenzene-d4	12.188	152	49905	46.119	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	53434	42.333	ug/L	100
3) Chloromethane	1.520	50	56863	48.890	ug/L	99
5) Vinyl chloride	1.604	62	60258	47.361	ug/L	98
6) Bromomethane	1.858	94	37874	49.522	ug/L	96
8) Chloroethane	1.932	64	37046	49.294	ug/L	100
9) Trichlorofluoromethane	2.137	101	73438	46.262	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	42333	44.084	ug/L	98
12) 1,1-Dichloroethene	2.578	96	37804	42.568	ug/L	97
13) Acetone	2.629	43	47894	81.272	ug/L	95
14) Carbon disulfide	2.790	76	105817	39.340	ug/L	100
15) Methyl Acetate	2.944	43	51413	63.650	ug/L	97
16) Methylene chloride	3.041	84	47345	43.945	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	39036	43.322	ug/L	89
18) Methyl tert-butyl Ether	3.356	73	145645	48.069	ug/L	98
19) 1,1-Dichloroethane	3.864	63	87840	47.756	ug/L	96
20) cis-1,2-Dichloroethene	4.661	96	57778	54.592	ug/L	94
22) 2-Butanone	4.697	43	72907	108.593	ug/L	98
23) Bromochloromethane	4.970	128	22593	44.771	ug/L	83
25) Chloroform	5.083	83	87321	47.442	ug/L	99

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 Response via : Initial Calibration

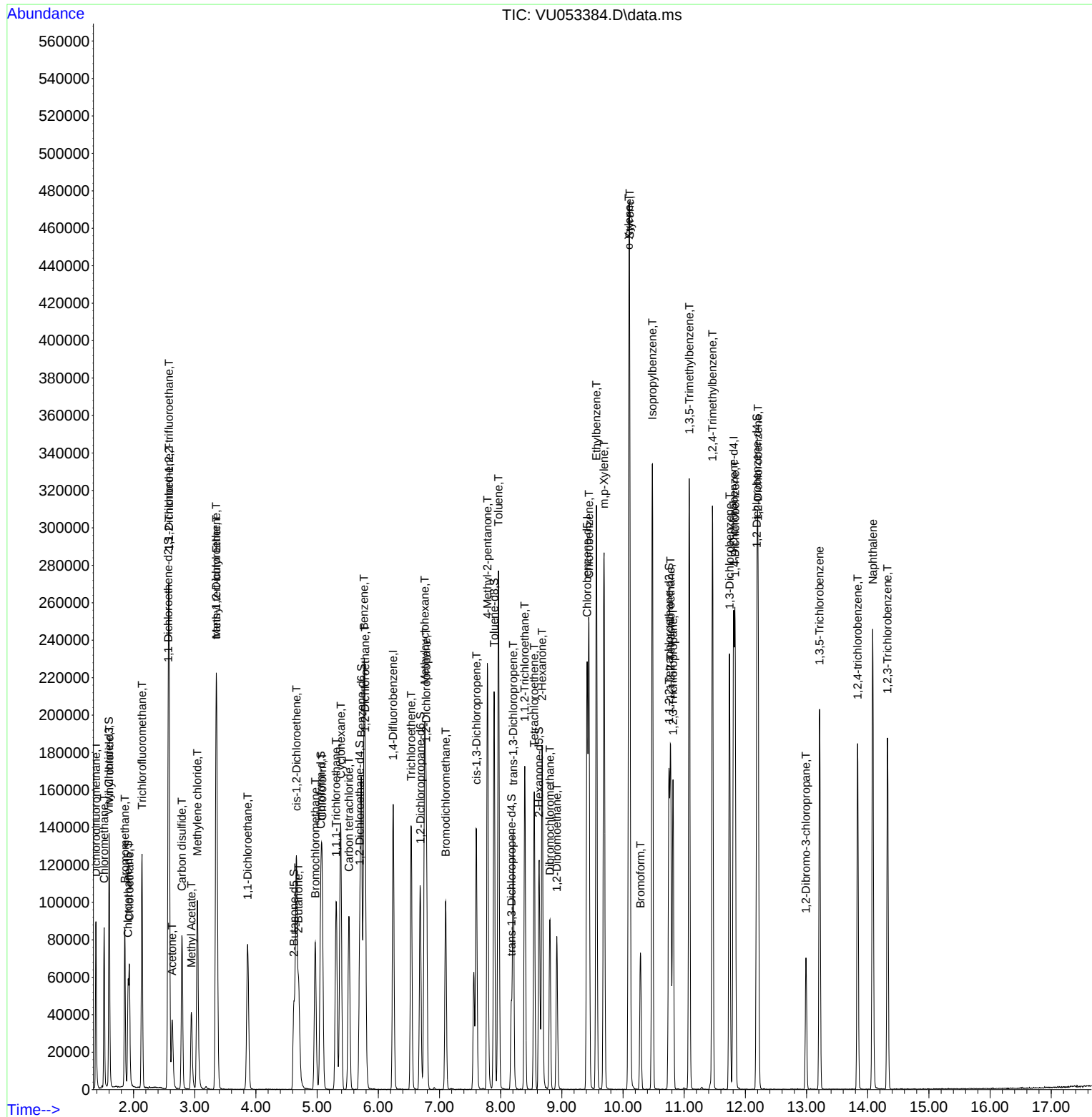
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	71670	49.327	ug/L	99
29) Cyclohexane	5.385	56	76319	45.069	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	69881	45.112	ug/L	97
31) Carbon tetrachloride	5.520	117	56320	44.378	ug/L	98
33) Benzene	5.767	78	187434	47.572	ug/L	100
34) Trichloroethene	6.536	95	46999	45.749	ug/L	98
35) Methylcyclohexane	6.758	83	76947	42.730	ug/L	98
37) 1,2-Dichloropropane	6.784	63	55736	50.704	ug/L	99
38) Bromodichloromethane	7.102	83	62902	45.981	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	84784	46.946	ug/L	97
40) 4-Methyl-2-pentanone	7.783	43	143026	126.588	ug/L	97
42) Toluene	7.964	91	198457	46.852	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	76072	46.080	ug/L	95
45) 1,1,2-Trichloroethane	8.394	97	49727	49.681	ug/L	98
46) Tetrachloroethene	8.549	164	29965	44.833	ug/L	97
48) 2-Hexanone	8.677	43	110070	116.337	ug/L	99
49) Dibromochloromethane	8.806	129	43549	42.533	ug/L	90
50) 1,2-Dibromoethane	8.918	107	51681	48.457	ug/L	100
51) Chlorobenzene	9.443	112	121418	45.992	ug/L	99
52) Ethylbenzene	9.565	91	217976	45.379	ug/L	100
53) m,p-Xylene	9.690	106	83852	46.770	ug/L	96
54) o-Xylene	10.095	106	82763	46.674	ug/L	98
55) Styrene	10.108	104	137849	46.645	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	87037	53.037	ug/L	97
59) Bromoform	10.285	173	29675	46.661	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	67309	60.612	ug/L	97
61) Isopropylbenzene	10.481	105	215871	48.889	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	175165	47.925	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	169390	47.546	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	88173	47.614	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	86913	46.751	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	90167	48.715	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	19303	62.860	ug/L	86
69) 1,3,5-Trichlorobenzene	13.214	180	53340	45.431	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	49584	47.002	ug/L	98
71) Naphthalene	14.082	128	190791	53.658	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	49576	49.555	ug/L	96

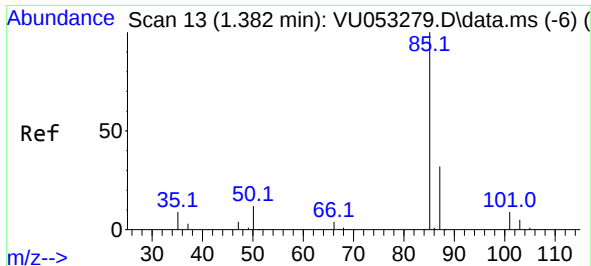
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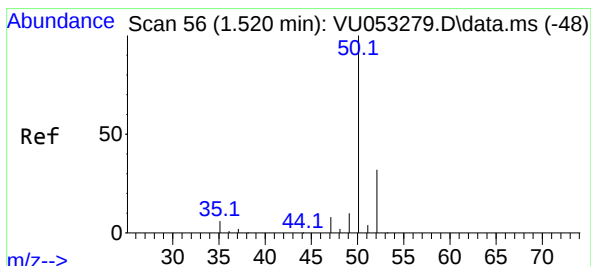
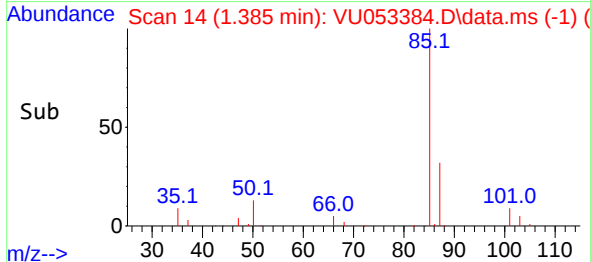
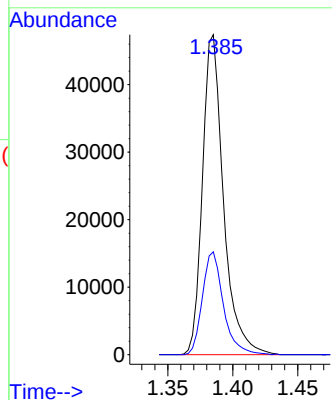
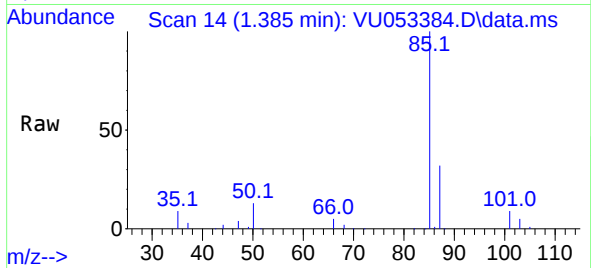




#2
Dichlorodifluoromethane
Concen: 42.333 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

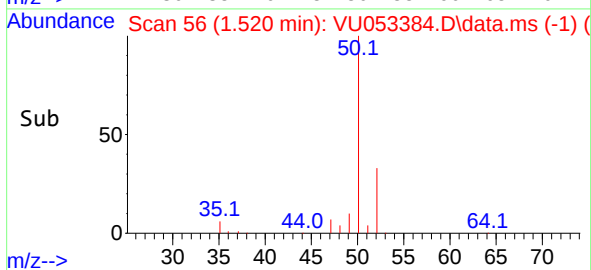
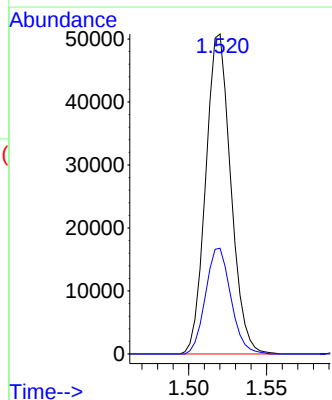
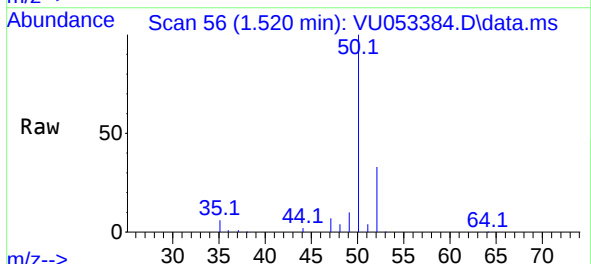
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

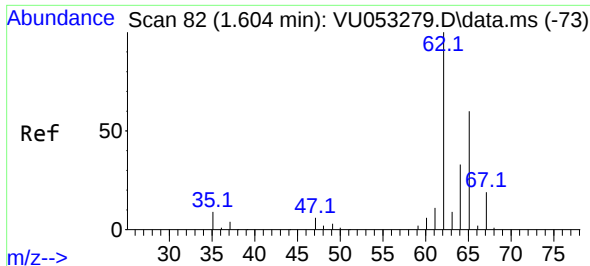
Tgt Ion: 85 Resp: 53434
Ion Ratio Lower Upper
85 100
87 32.1 25.8 38.8



#3
Chloromethane
Concen: 48.890 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 50 Resp: 56863
Ion Ratio Lower Upper
50 100
52 33.1 23.4 43.4

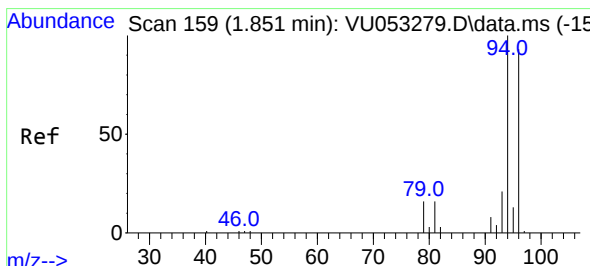
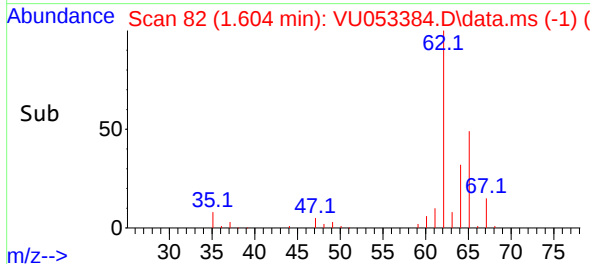
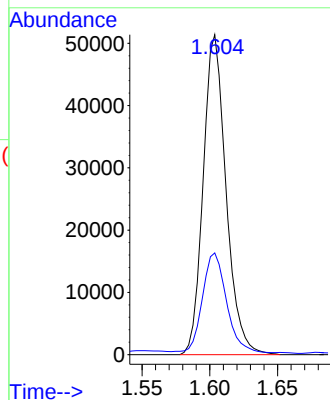
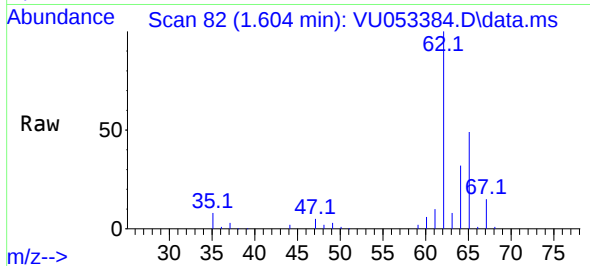




#5
 Vinyl chloride
 Concen: 47.361 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053384.D
 Acq: 23 Mar 2023 21:13

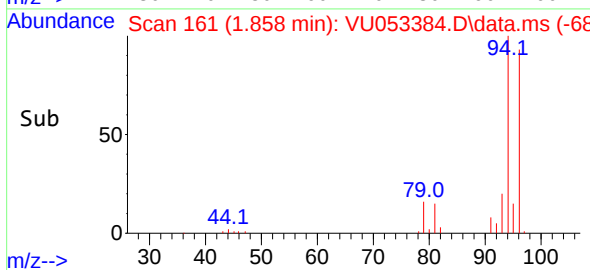
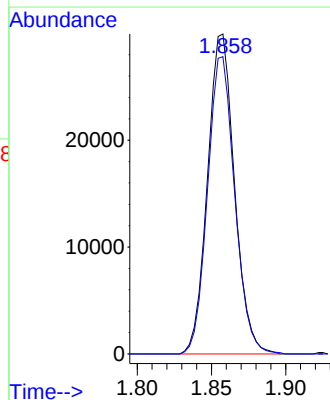
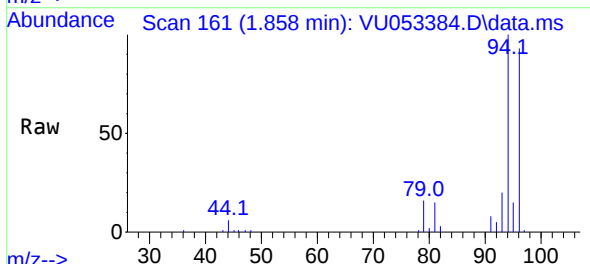
Instrument :
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 ClientSampleId :
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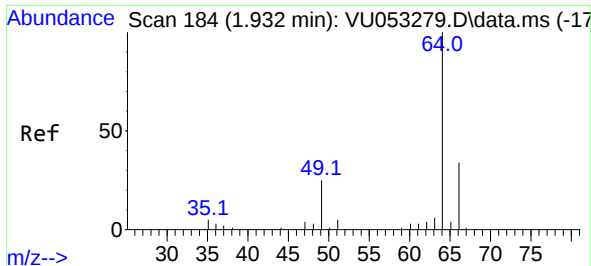
Tgt Ion: 62 Resp: 60258
 Ion Ratio Lower Upper
 62 100
 64 31.8 23.2 43.0



#6
 Bromomethane
 Concen: 49.522 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU053384.D
 Acq: 23 Mar 2023 21:13

Tgt Ion: 94 Resp: 37874
 Ion Ratio Lower Upper
 94 100
 96 92.9 67.5 125.3

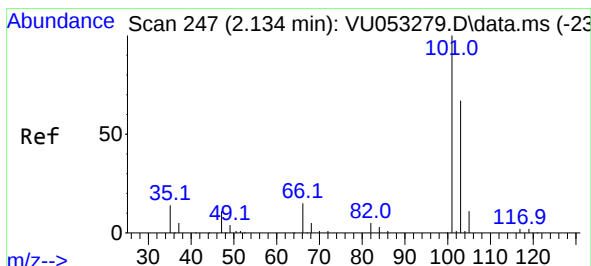
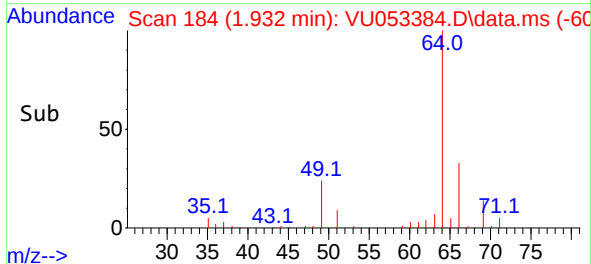
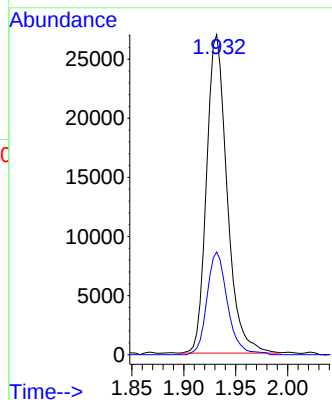
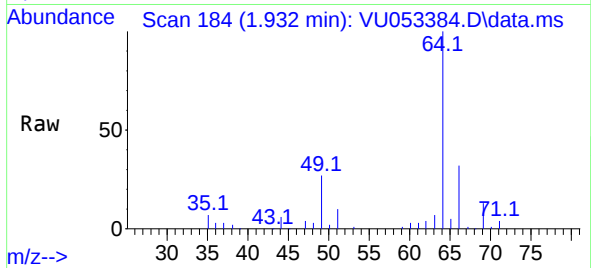




#8
Chloroethane
Concen: 49.294 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

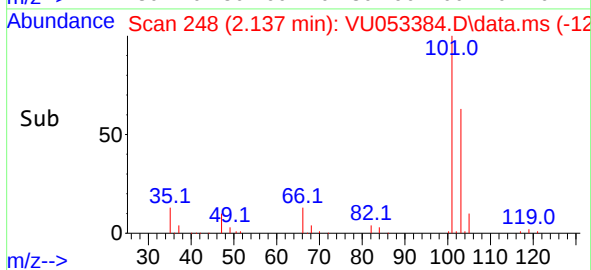
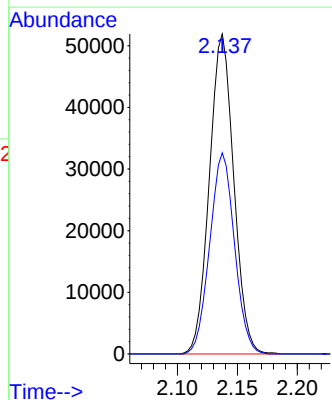
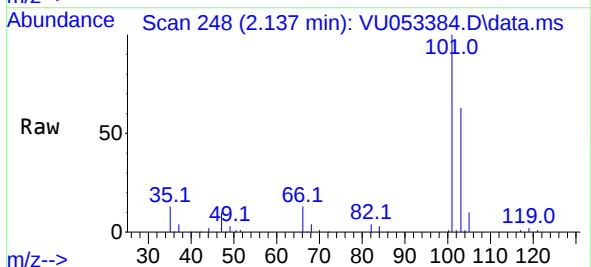
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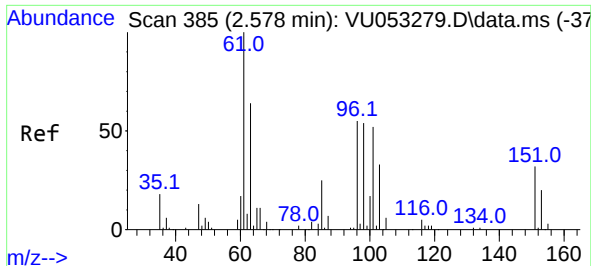
Tgt Ion: 64 Resp: 37046
Ion Ratio Lower Upper
64 100
66 32.1 22.6 42.0



#9
Trichlorofluoromethane
Concen: 46.262 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion:101 Resp: 73438
Ion Ratio Lower Upper
101 100
103 63.6 52.0 78.0

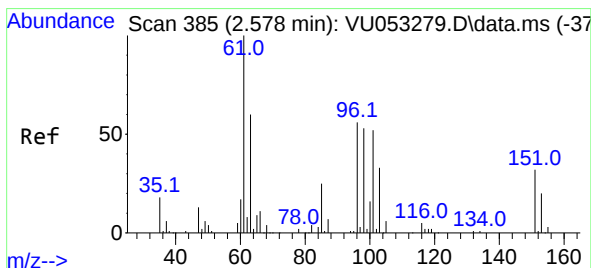
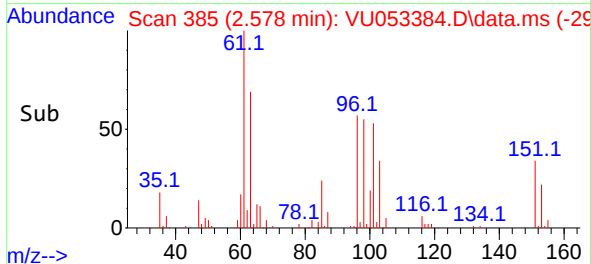
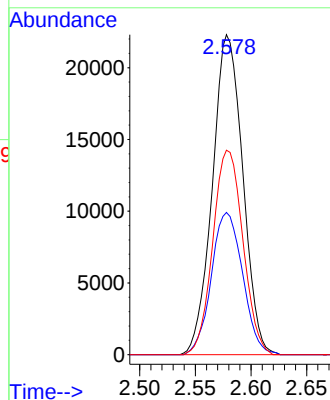
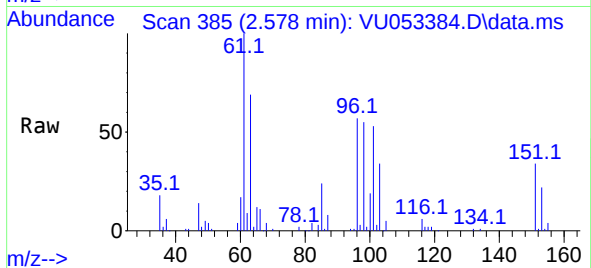




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.084 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

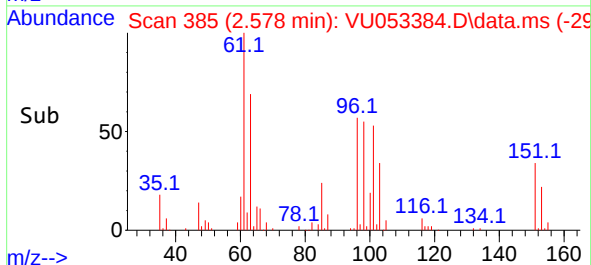
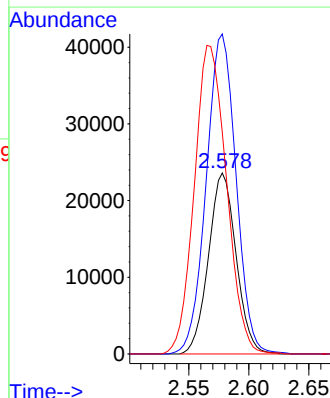
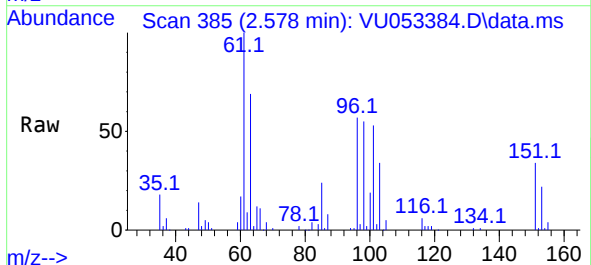
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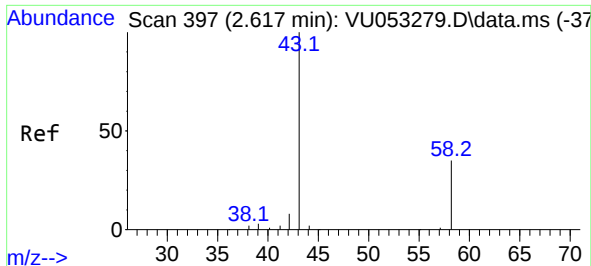
Tgt Ion:101 Resp: 42333
Ion Ratio Lower Upper
101 100
85 45.8 37.0 55.6
151 63.4 52.9 79.3



#12
1,1-Dichloroethene
Concen: 42.568 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 96 Resp: 37804
Ion Ratio Lower Upper
96 100
61 176.8 122.2 226.9
63 122.5 89.9 166.9





#13

Acetone

Concen: 81.272 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU053384.D

Acq: 23 Mar 2023 21:13

Instrument :

MSVOA_U

ClientSampleId :

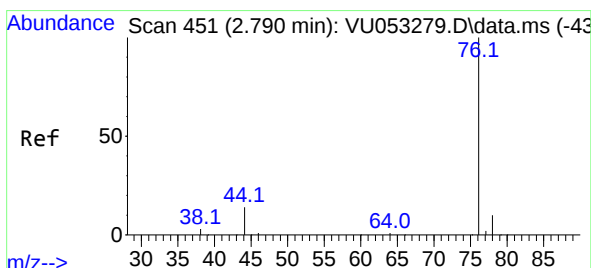
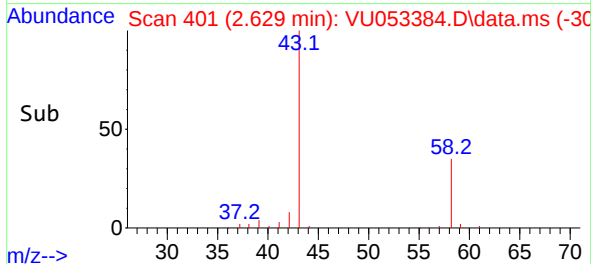
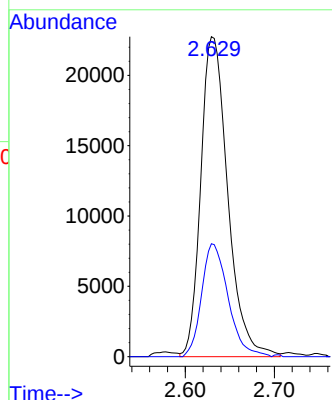
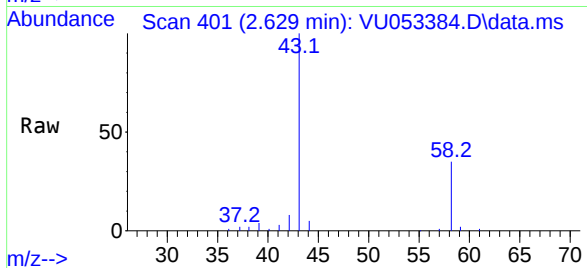
VSTD050174

Tgt Ion: 43 Resp: 47894

Ion Ratio Lower Upper

43 100

58 34.7 0.0 75.0



#14

Carbon disulfide

Concen: 39.340 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053384.D

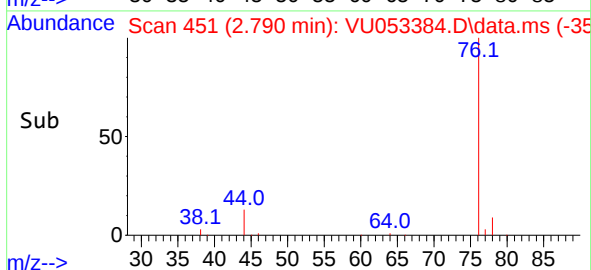
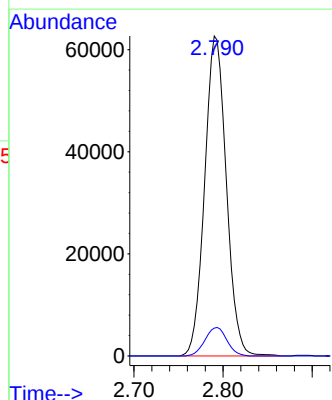
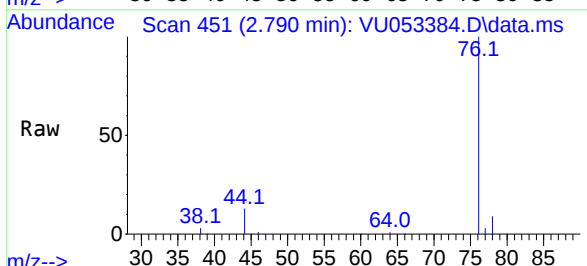
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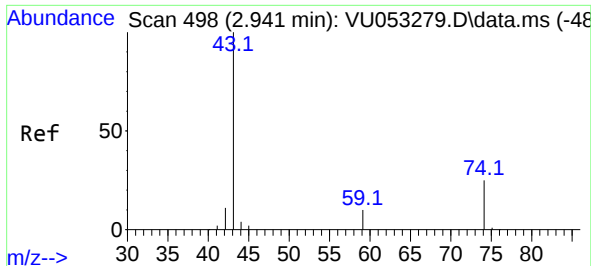
Tgt Ion: 76 Resp: 105817

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6

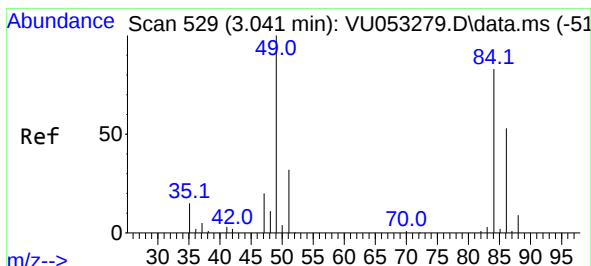
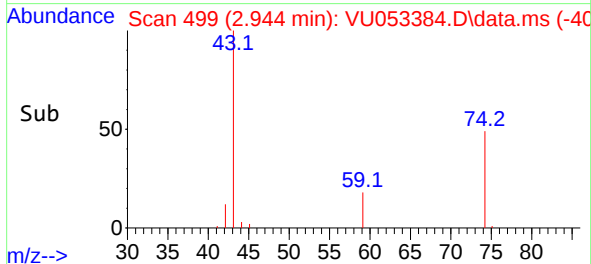
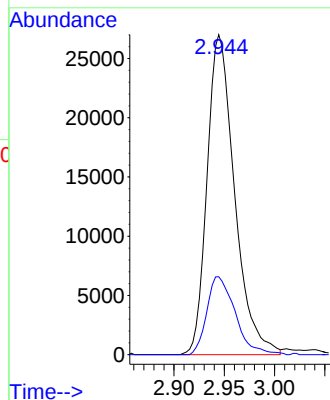
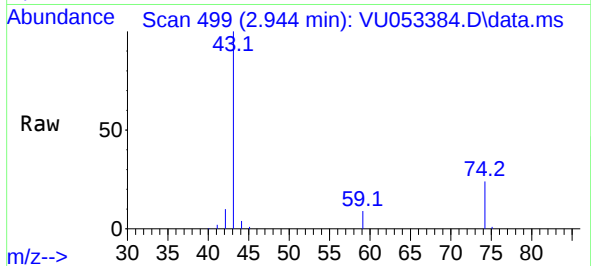




#15
Methyl Acetate
Concen: 63.650 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

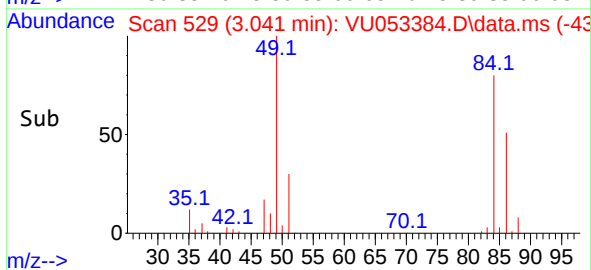
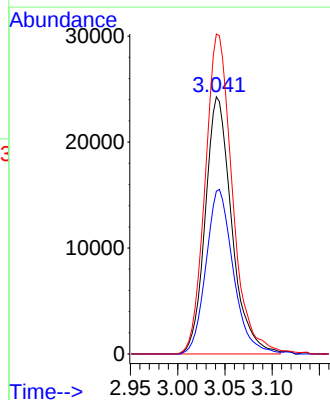
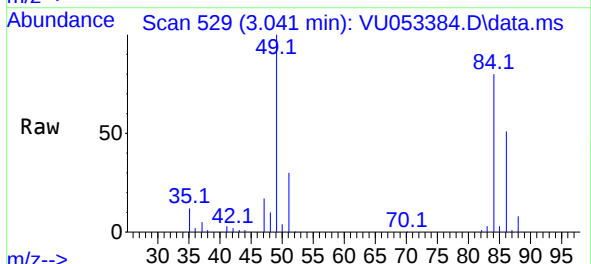
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

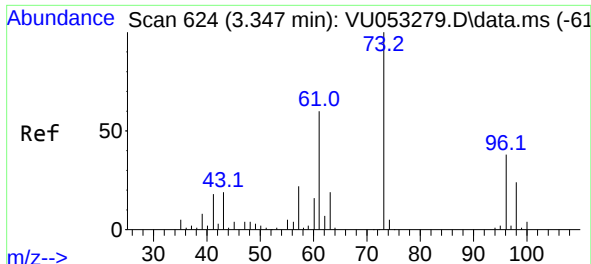
Tgt Ion: 43 Resp: 51413
Ion Ratio Lower Upper
43 100
74 25.1 21.4 32.0



#16
Methylene chloride
Concen: 43.945 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 84 Resp: 47345
Ion Ratio Lower Upper
84 100
86 63.3 44.4 82.4
49 124.5 81.6 151.6

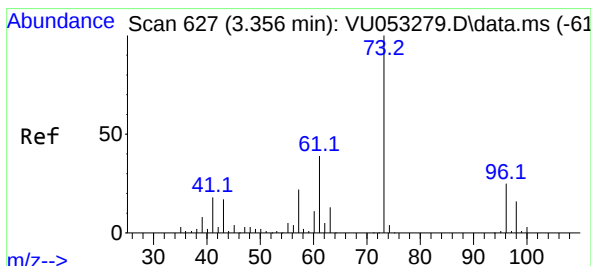
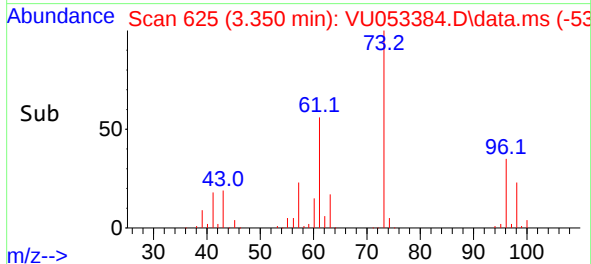
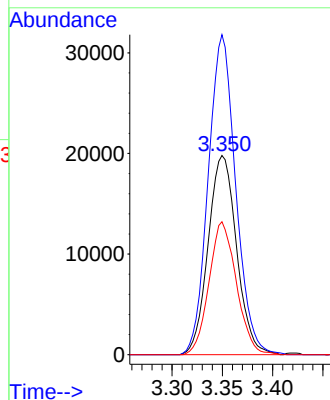
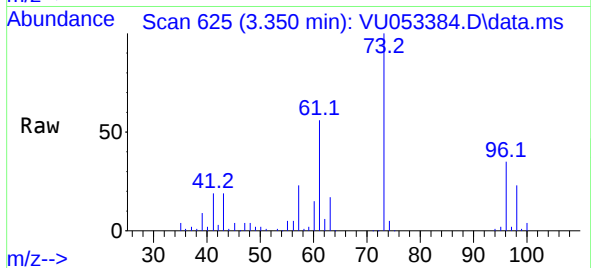




#17
trans-1,2-Dichloroethene
Concen: 43.322 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

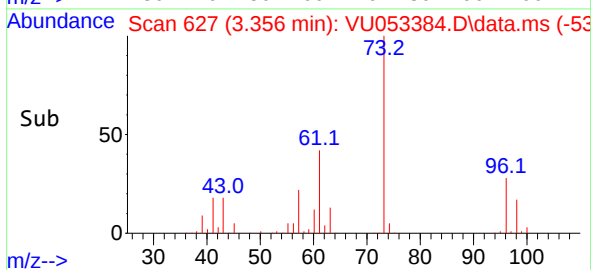
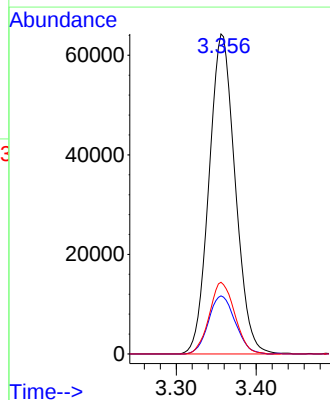
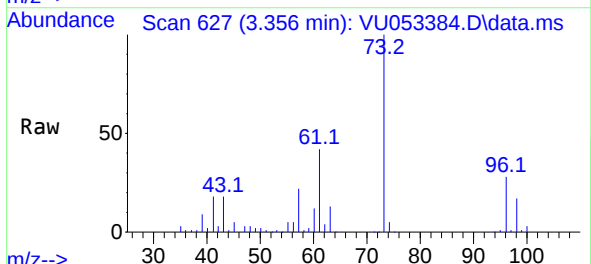
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

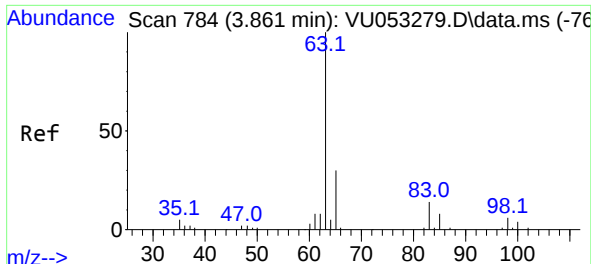
Tgt Ion: 96 Resp: 39036
Ion Ratio Lower Upper
96 100
61 160.6 99.6 185.0
98 66.7 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 48.069 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 73 Resp: 145645
Ion Ratio Lower Upper
73 100
43 18.6 14.2 21.2
57 21.9 18.0 27.0

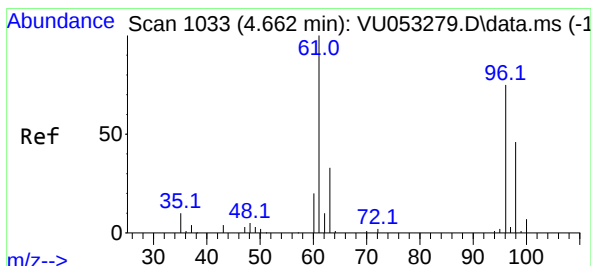
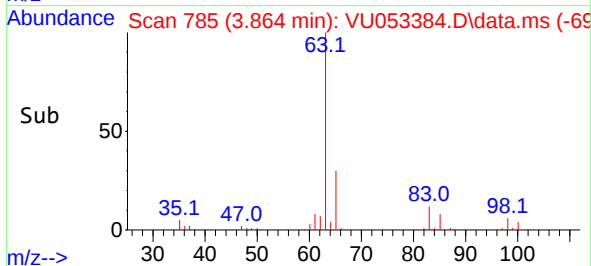
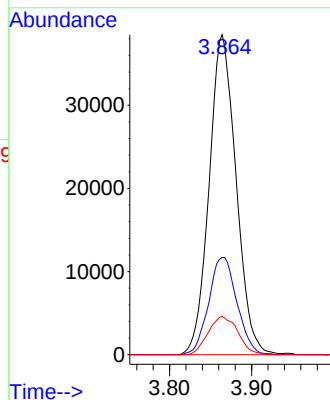
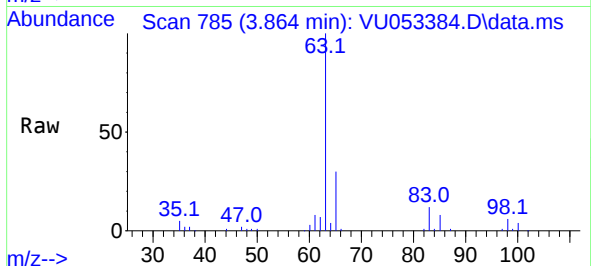




#19
1,1-Dichloroethane
Concen: 47.756 ug/L
RT: 3.864 min Scan# 784
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

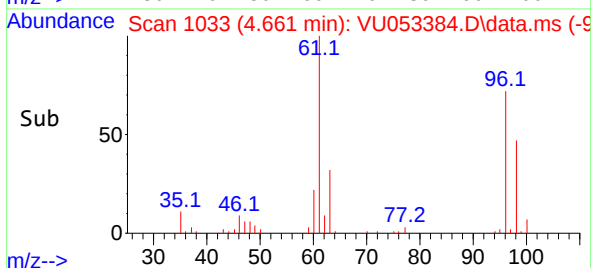
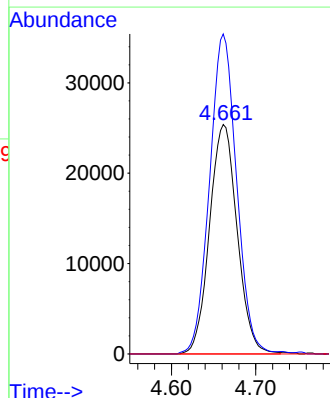
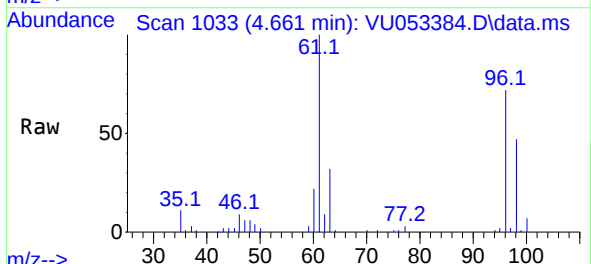
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

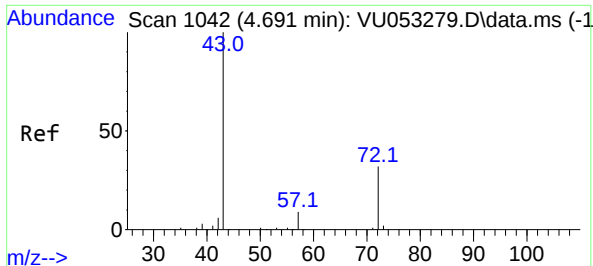
Tgt Ion: 63 Resp: 87840
Ion Ratio Lower Upper
63 100
65 30.4 22.8 42.4
83 12.0 9.4 17.6



#20
cis-1,2-Dichloroethene
Concen: 54.592 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 96 Resp: 57778
Ion Ratio Lower Upper
96 100
61 139.4 92.5 171.7
68 0.0 0.0 0.0

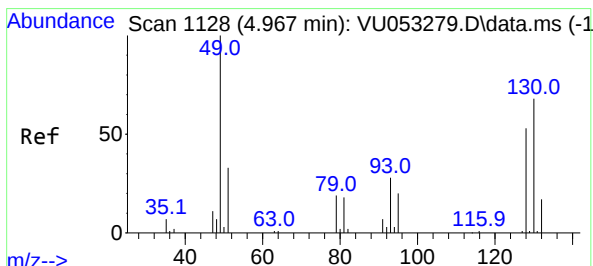
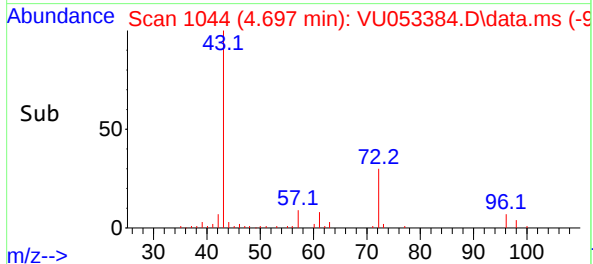
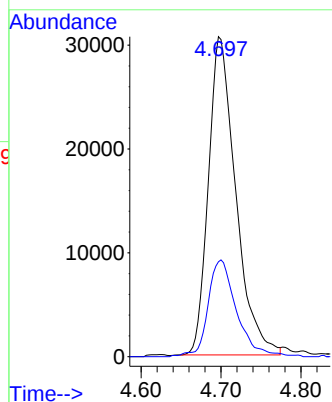
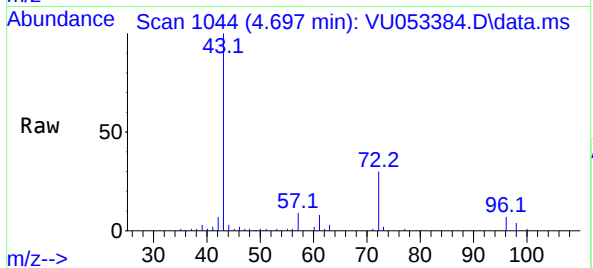




#22
2-Butanone
Concen: 108.593 ug/L
RT: 4.697 min Scan# 1042
Delta R.T. -0.003 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

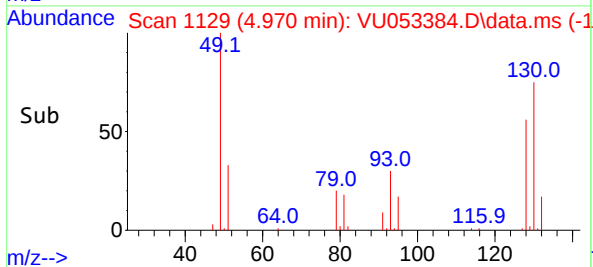
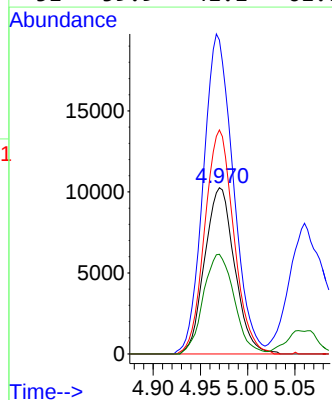
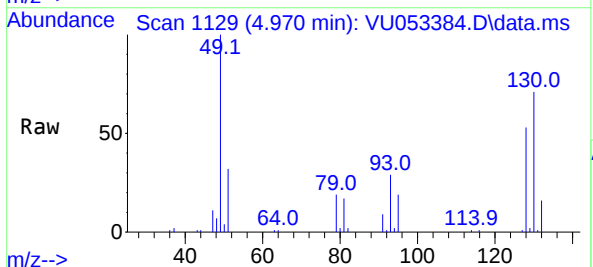
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

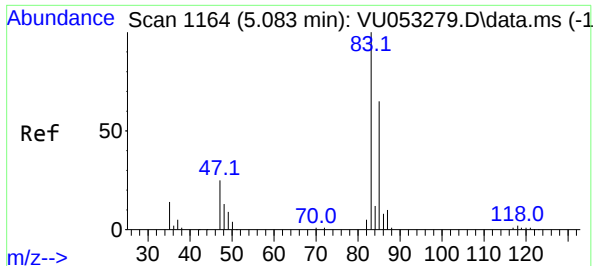
Tgt Ion: 43 Resp: 72907
Ion Ratio Lower Upper
43 100
72 30.8 16.0 47.9



#23
Bromochloromethane
Concen: 44.771 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion:128 Resp: 22593
Ion Ratio Lower Upper
128 100
49 188.8 109.9 204.1
130 134.7 87.2 161.9
51 59.9 41.1 61.7





#25

Chloroform

Concen: 47.442 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053384.D

Acq: 23 Mar 2023 21:13

Instrument :

MSVOA_U

ClientSampleId :

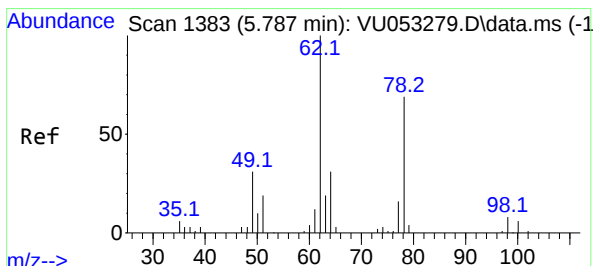
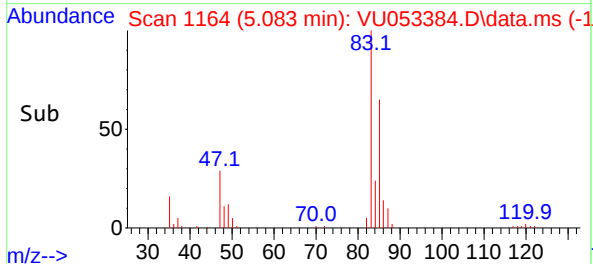
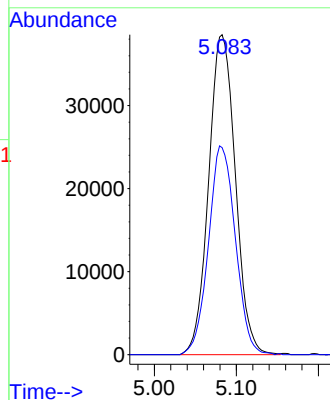
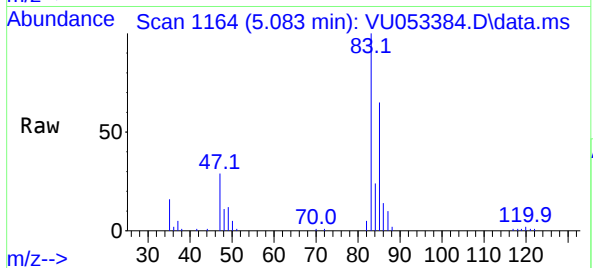
VSTD050174

Tgt Ion: 83 Resp: 87321

Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.3



#27

1,2-Dichloroethane

Concen: 49.327 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU053384.D

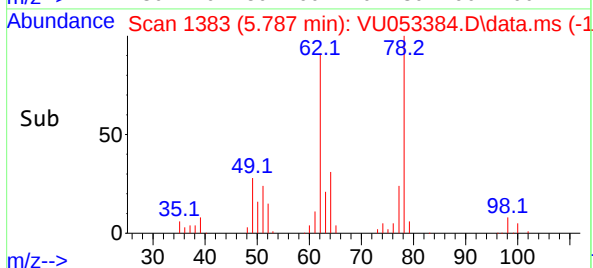
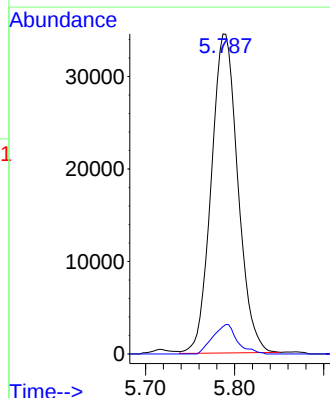
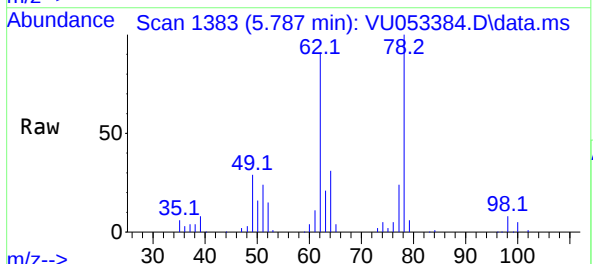
Acq: 23 Mar 2023 21:13

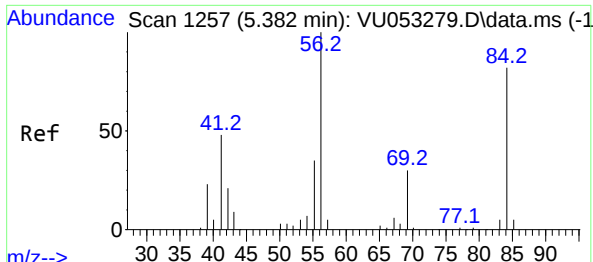
Tgt Ion: 62 Resp: 71670

Ion Ratio Lower Upper

62 100

98 8.6 7.0 10.6





#29

Cyclohexane

Concen: 45.069 ug/L

RT: 5.385 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VU053384.D

Acq: 23 Mar 2023 21:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050174

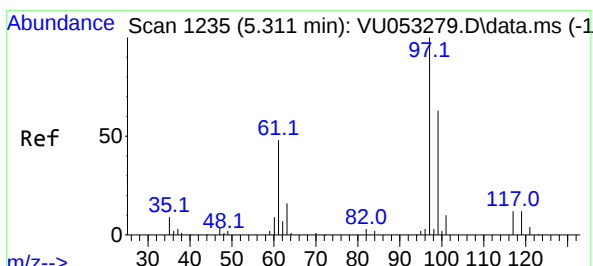
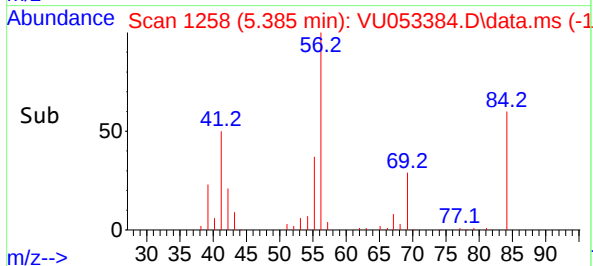
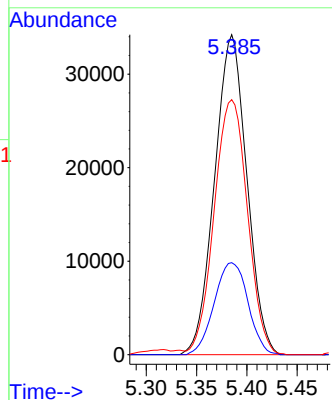
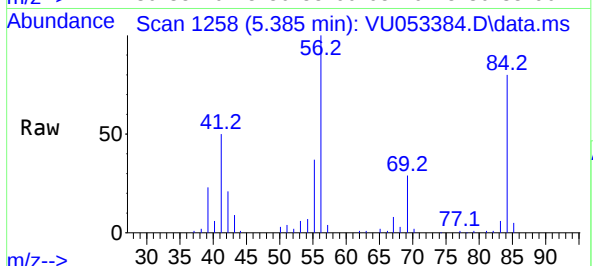
Tgt Ion: 56 Resp: 76319

Ion Ratio Lower Upper

56 100

69 30.1 25.4 38.0

84 82.4 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 45.112 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053384.D

Acq: 23 Mar 2023 21:13

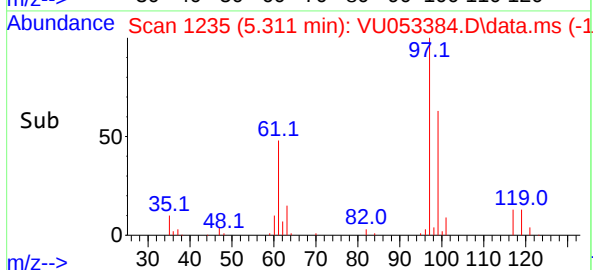
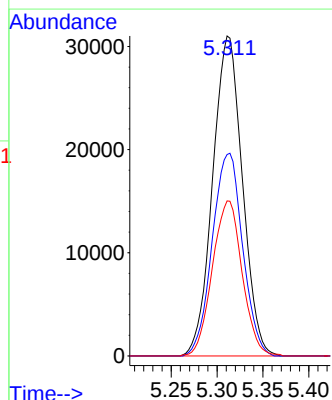
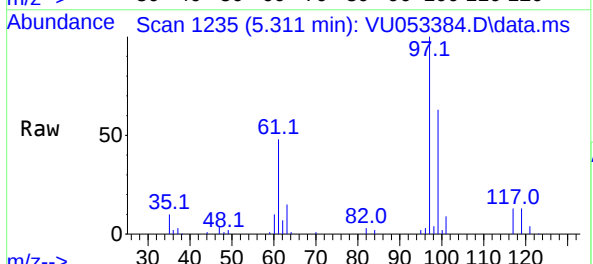
Tgt Ion: 97 Resp: 69881

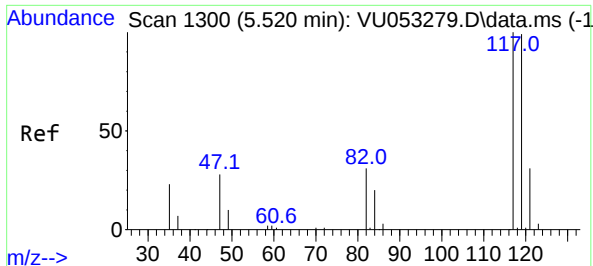
Ion Ratio Lower Upper

97 100

99 64.8 50.6 76.0

61 48.6 36.0 54.0

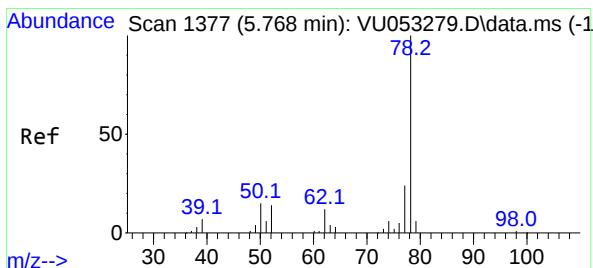
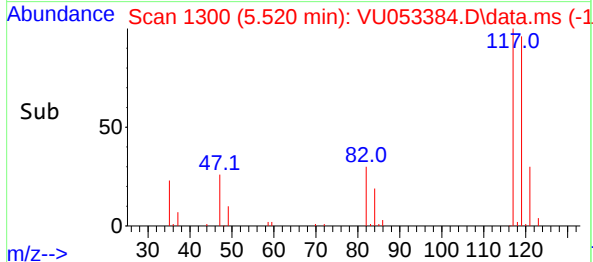
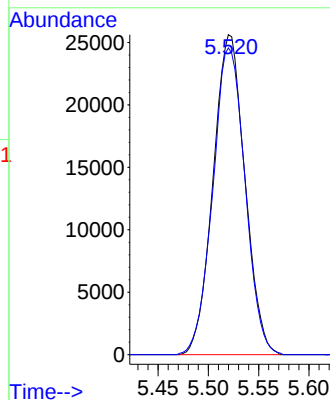
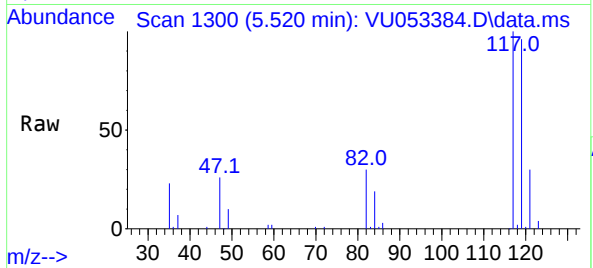




#31
Carbon tetrachloride
Concen: 44.378 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

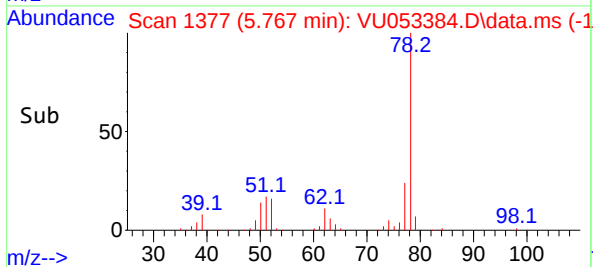
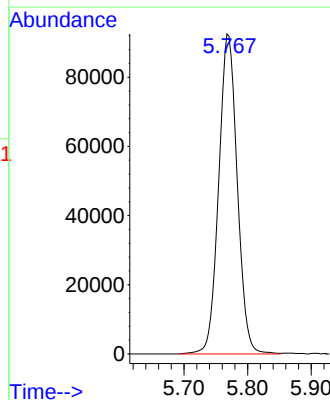
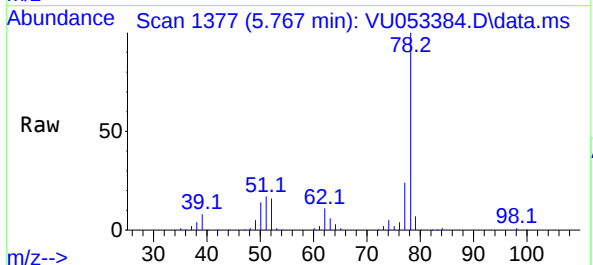
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

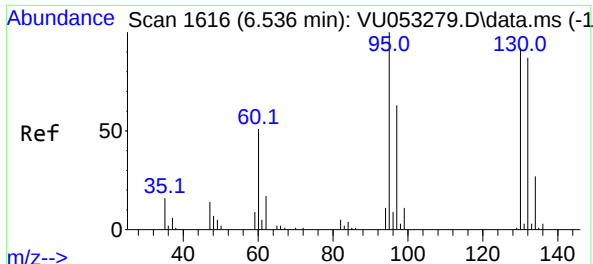
Tgt Ion:117 Resp: 56320
Ion Ratio Lower Upper
117 100
119 97.3 76.2 114.2



#33
Benzene
Concen: 47.572 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 78 Resp: 187434



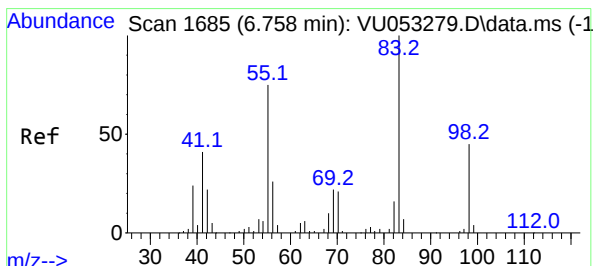
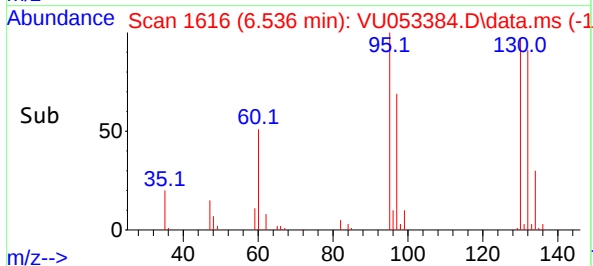
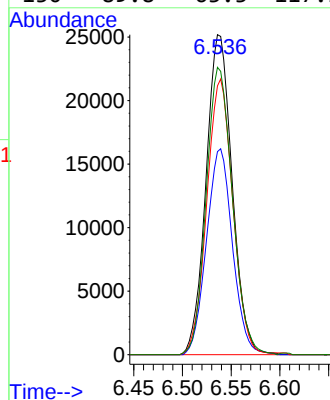
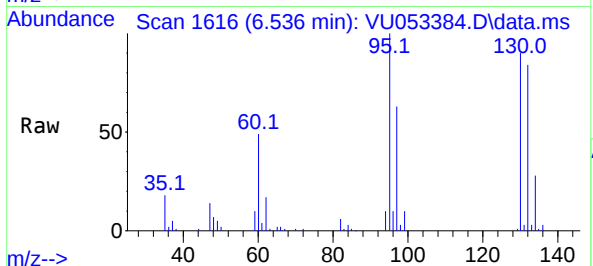


#34
Trichloroethene
Concen: 45.749 ug/L
RT: 6.536 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

Tgt Ion: 95 Resp: 46999

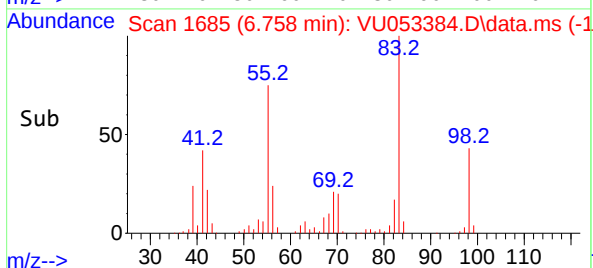
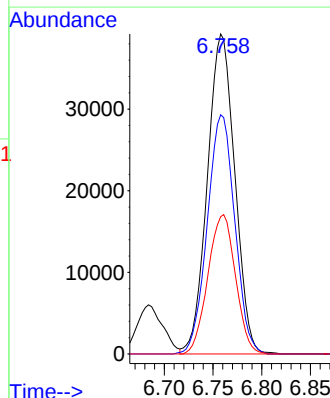
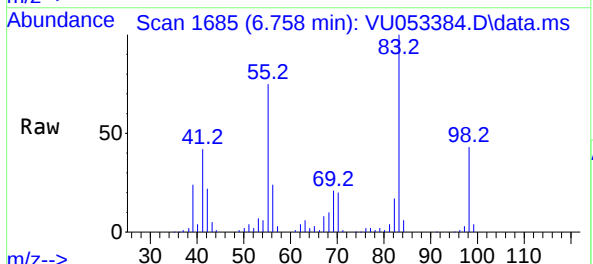
Ion	Ratio	Lower	Upper
95	100		
97	63.5	43.8	81.3
132	84.0	61.5	114.3
130	89.8	63.3	117.5

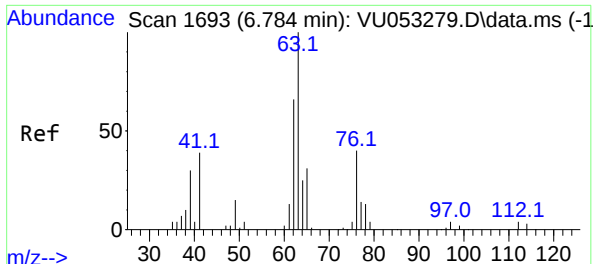


#35
Methylcyclohexane
Concen: 42.730 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 83 Resp: 76947

Ion	Ratio	Lower	Upper
83	100		
55	74.9	58.2	87.4
98	43.7	35.4	53.2

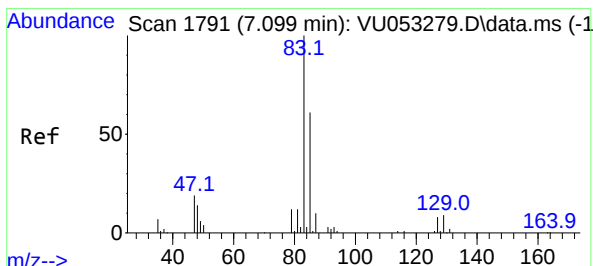
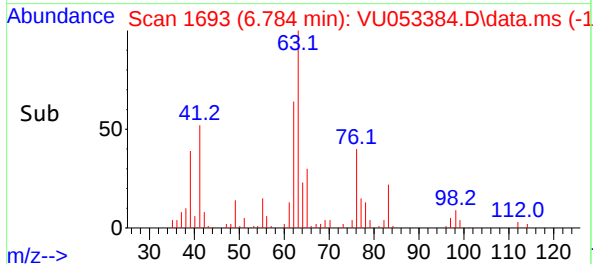
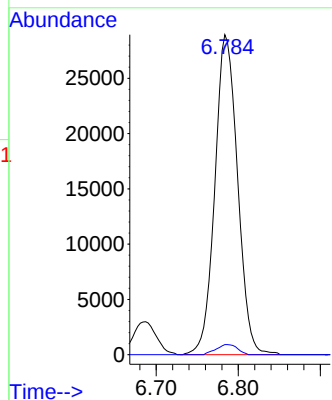
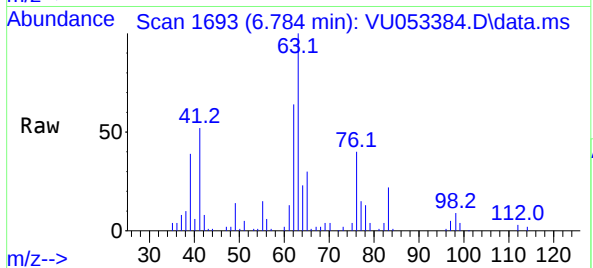




#37
1,2-Dichloropropane
Concen: 50.704 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

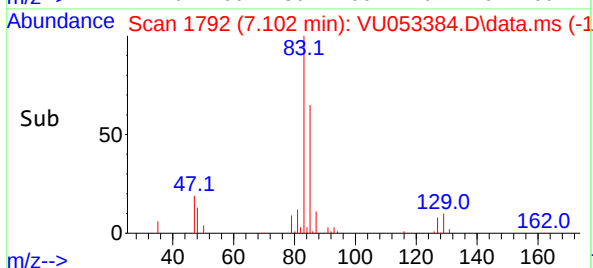
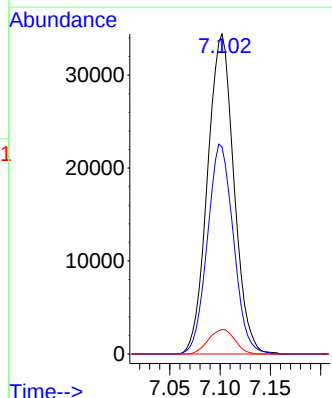
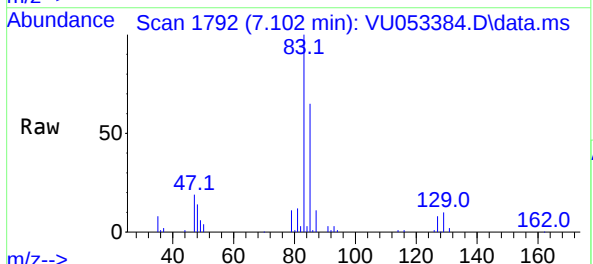
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

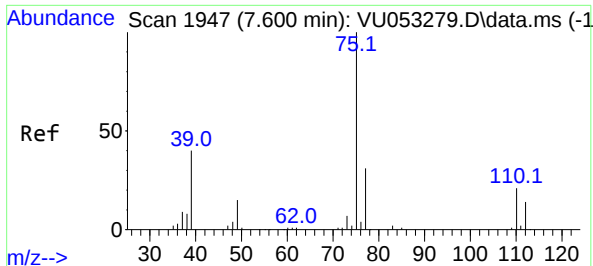
Tgt Ion: 63 Resp: 55736
Ion Ratio Lower Upper
63 100
112 3.0 2.6 3.8



#38
Bromodichloromethane
Concen: 45.981 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 83 Resp: 62902
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.2
127 7.6 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 46.946 ug/L

RT: 7.603 min Scan# 1947

Delta R.T. -0.000 min

Lab File: VU053384.D

Acq: 23 Mar 2023 21:13

Instrument :

MSVOA_U

ClientSampleId :

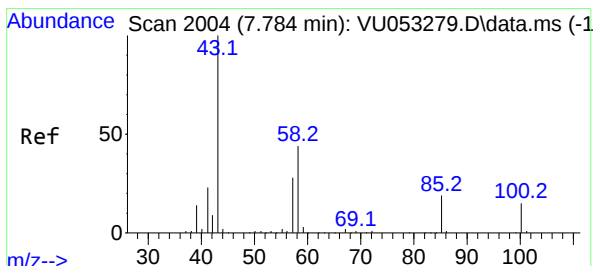
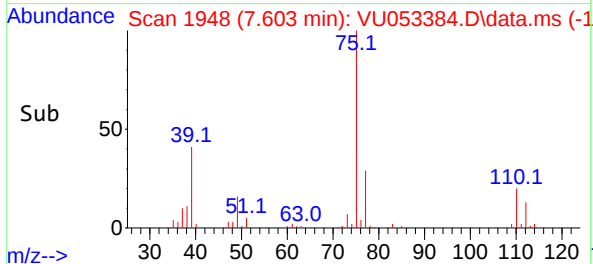
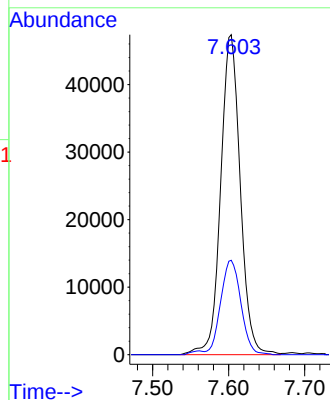
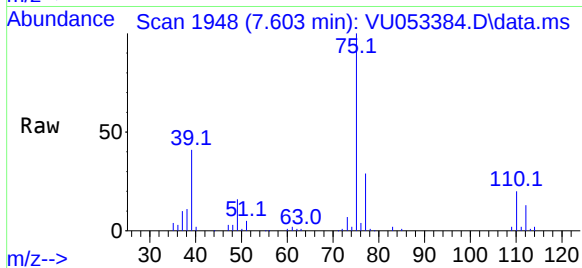
VSTD050174

Tgt Ion: 75 Resp: 84784

Ion Ratio Lower Upper

75 100

77 29.5 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 126.588 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VU053384.D

Acq: 23 Mar 2023 21:13

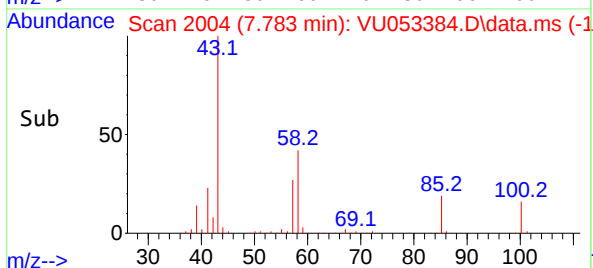
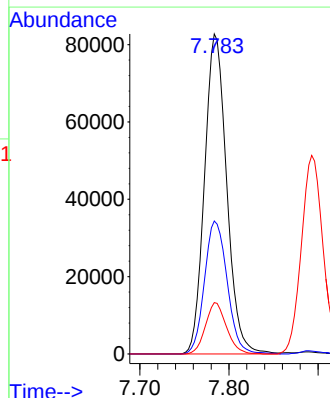
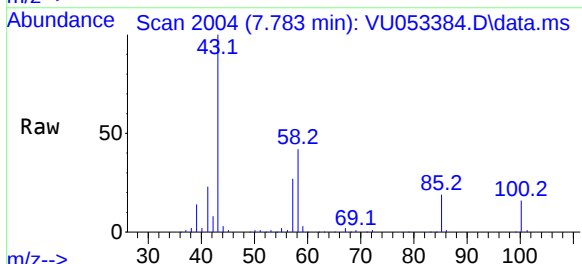
Tgt Ion: 43 Resp: 143026

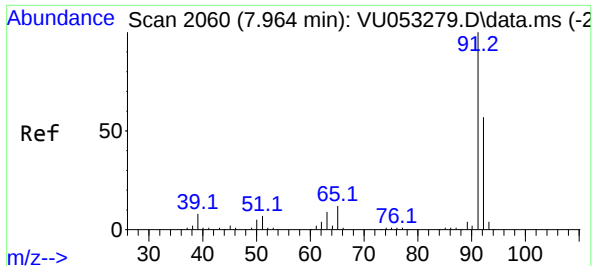
Ion Ratio Lower Upper

43 100

58 42.6 35.8 53.6

100 15.2 13.0 19.6

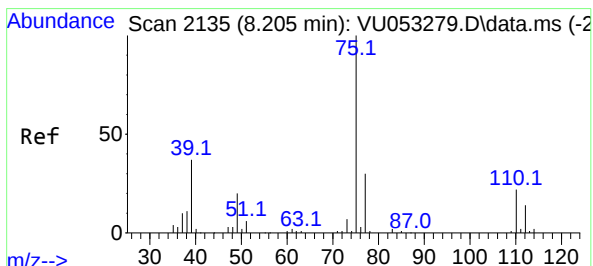
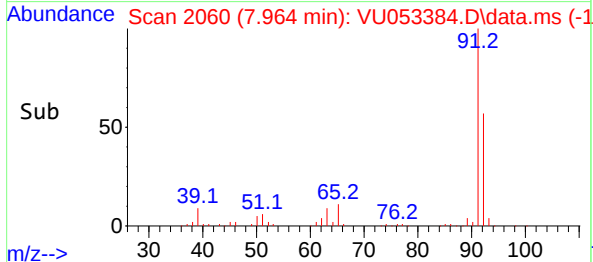
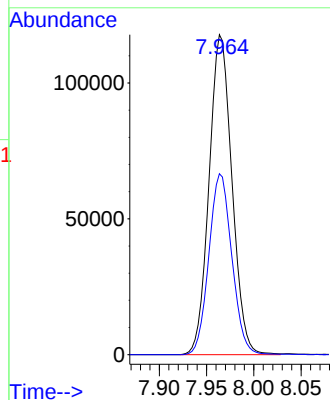
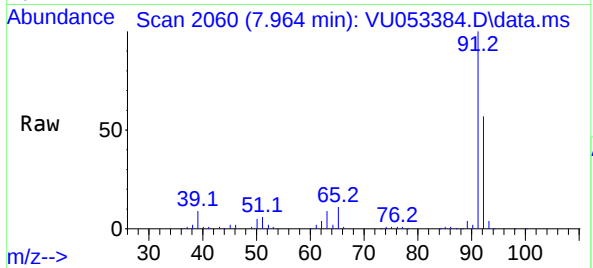




#42
Toluene
Concen: 46.852 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

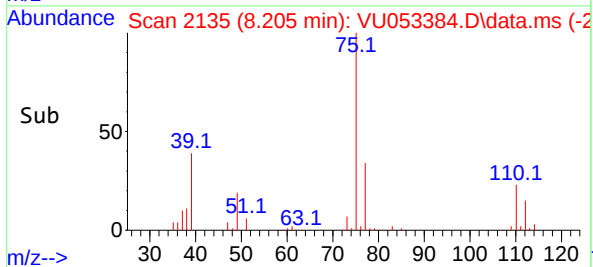
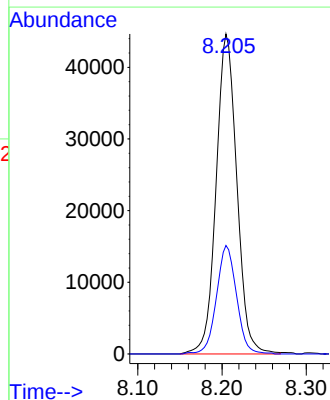
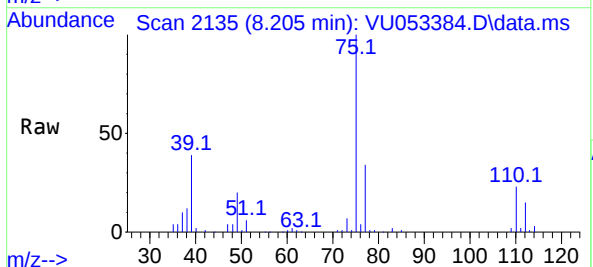
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

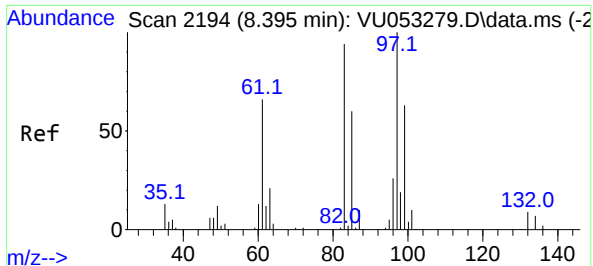
Tgt Ion: 91 Resp: 198457
Ion Ratio Lower Upper
91 100
92 56.6 39.6 73.6



#44
trans-1,3-Dichloropropene
Concen: 46.080 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 75 Resp: 76072
Ion Ratio Lower Upper
75 100
77 33.9 22.0 40.8



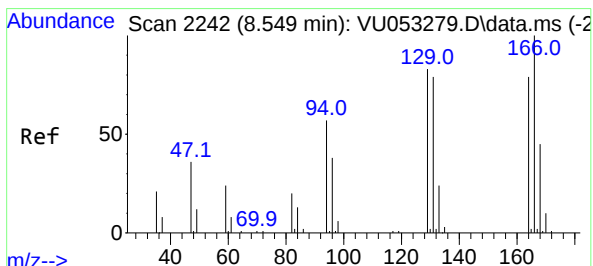
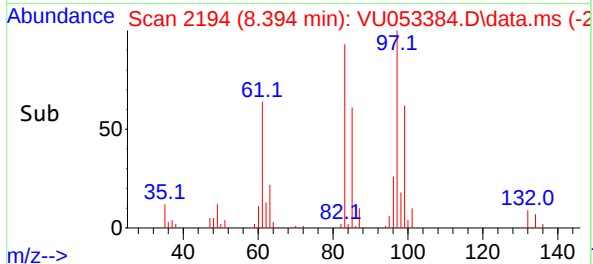
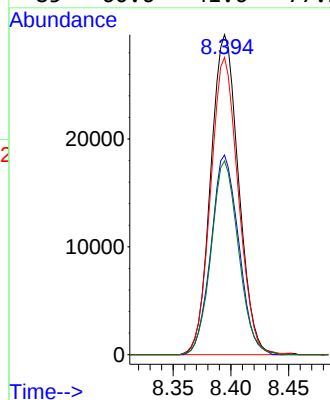
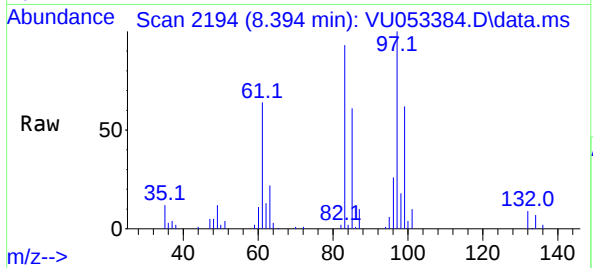


#45
1,1,2-Trichloroethane
Concen: 49.681 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

Tgt Ion: 97 Resp: 49727

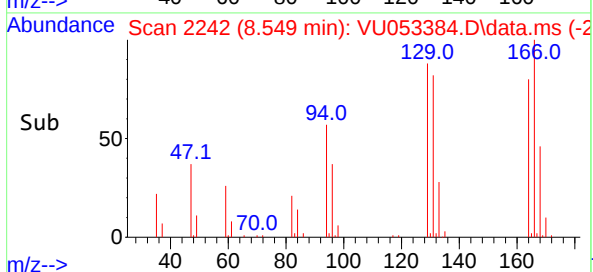
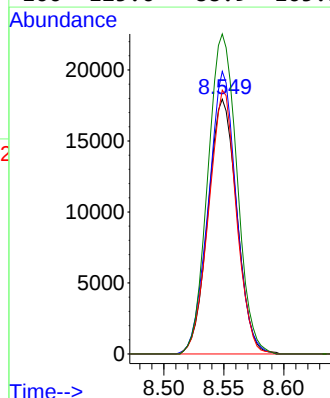
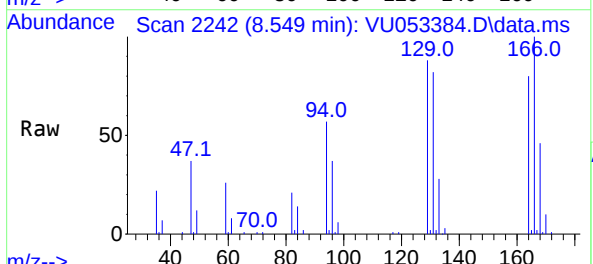
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.4	82.4
83	92.9	63.8	118.6
85	60.6	41.6	77.2

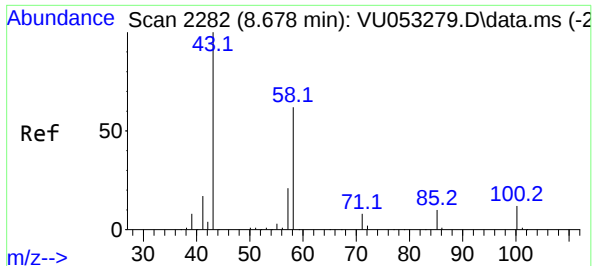


#46
Tetrachloroethene
Concen: 44.833 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 164 Resp: 29965

Ion	Ratio	Lower	Upper
164	100		
129	110.9	73.6	136.8
131	103.6	70.3	130.7
166	125.6	88.9	165.1

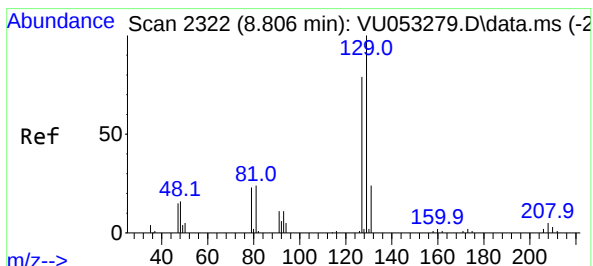
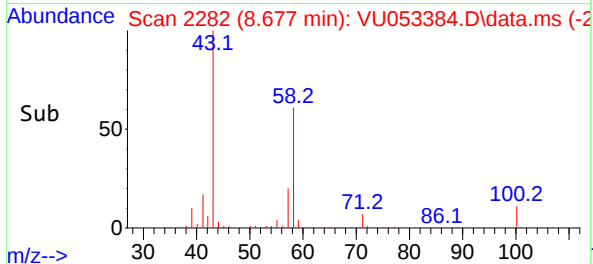
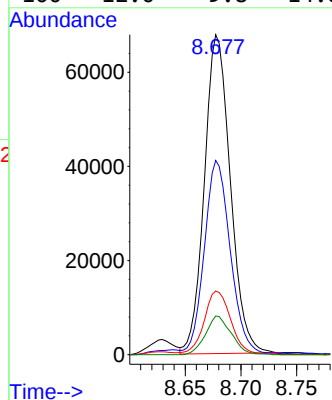
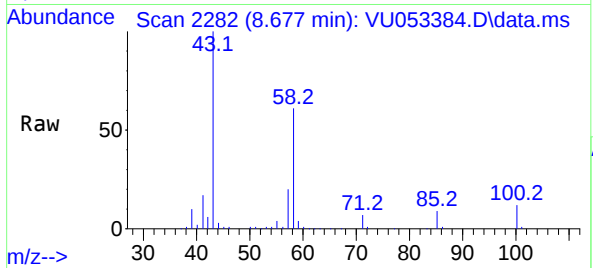




#48
2-Hexanone
Concen: 116.337 ug/L
RT: 8.677 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

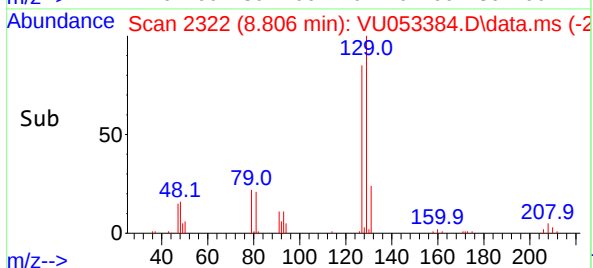
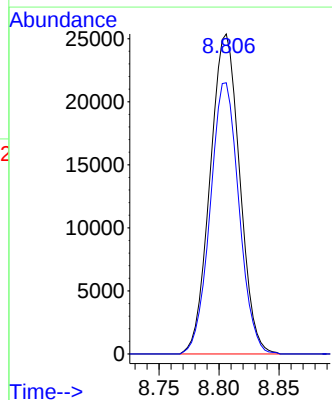
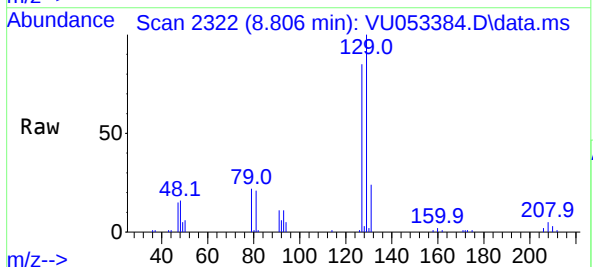
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

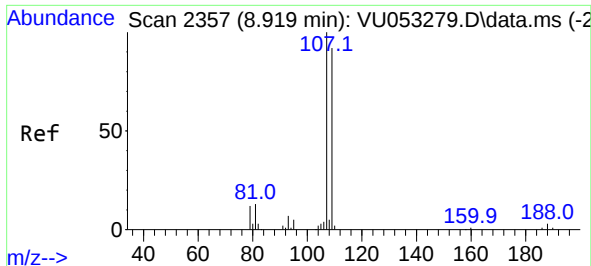
Tgt Ion: 43 Resp: 110070
Ion Ratio Lower Upper
43 100
58 61.4 49.4 74.0
57 20.7 16.9 25.3
100 12.0 9.8 14.8



#49
Dibromochloromethane
Concen: 42.533 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 129 Resp: 43549
Ion Ratio Lower Upper
129 100
127 84.8 53.1 98.5





#50

1,2-Dibromoethane

Concen: 48.457 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053384.D

Acq: 23 Mar 2023 21:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050174

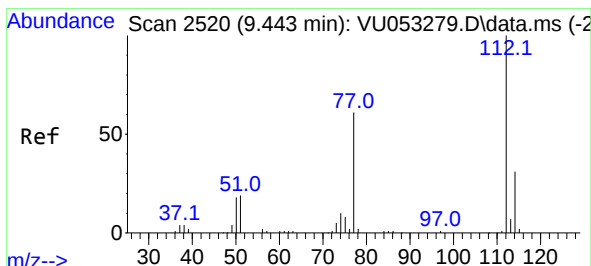
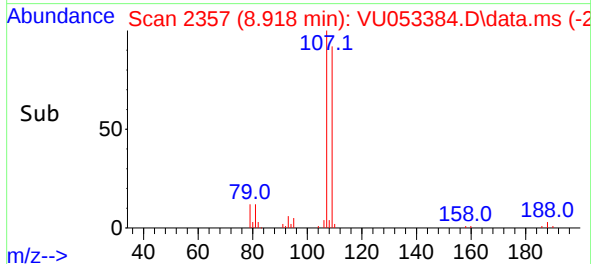
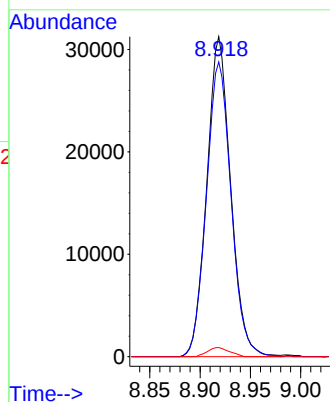
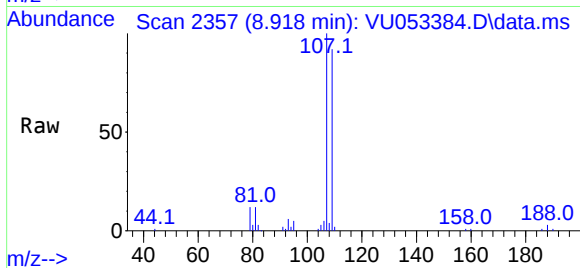
Tgt Ion:107 Resp: 51681

Ion Ratio Lower Upper

107 100

109 92.1 64.6 120.0

188 2.9 2.2 3.4



#51

Chlorobenzene

Concen: 45.992 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053384.D

Acq: 23 Mar 2023 21:13

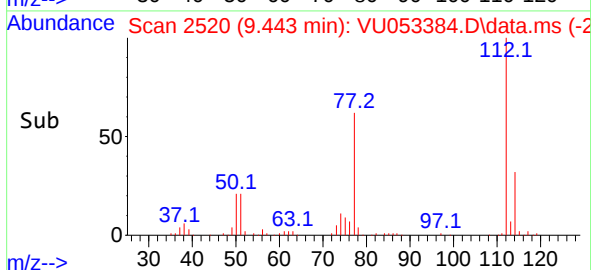
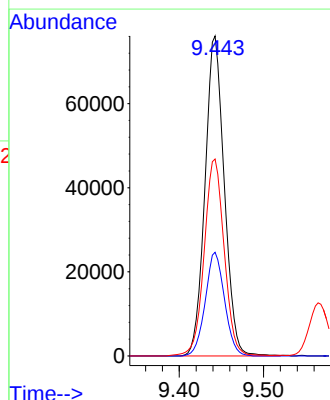
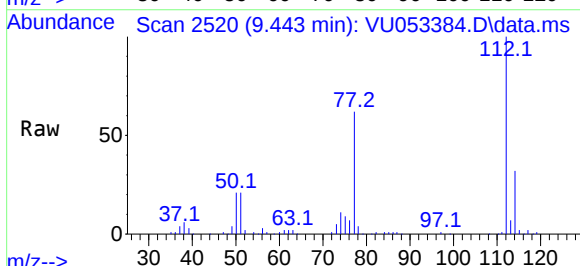
Tgt Ion:112 Resp: 121418

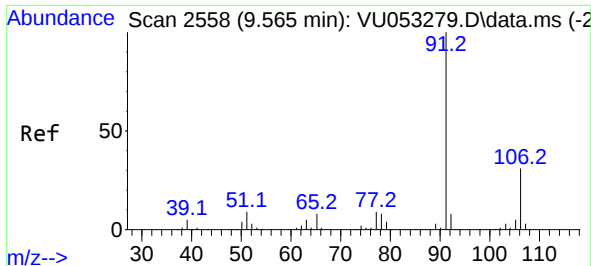
Ion Ratio Lower Upper

112 100

114 32.4 21.8 40.6

77 61.6 48.8 73.2

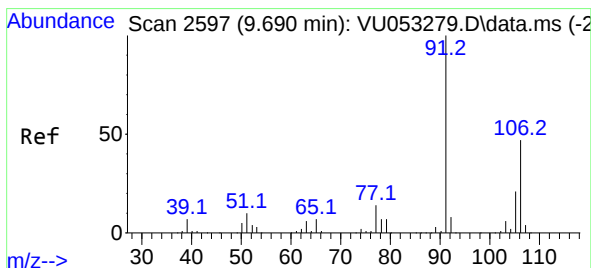
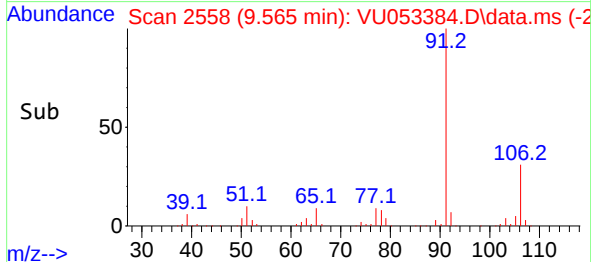
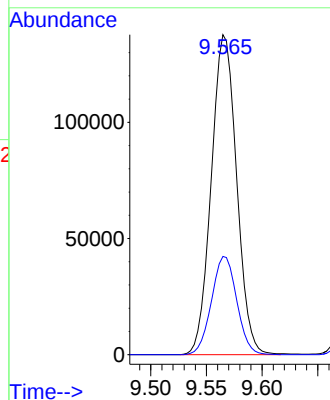
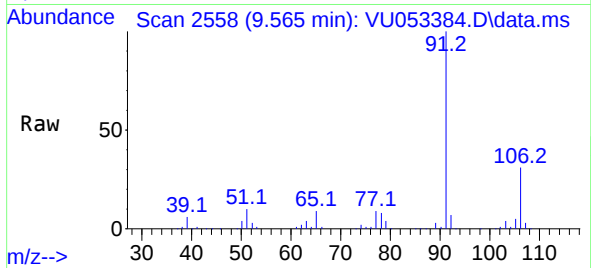




#52
Ethylbenzene
Concen: 45.379 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

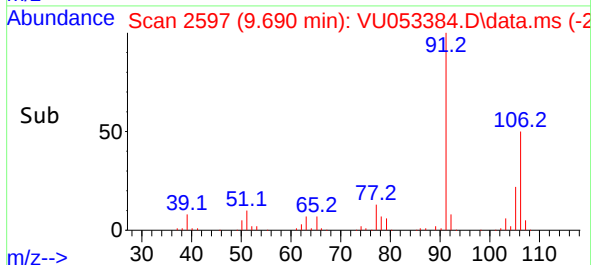
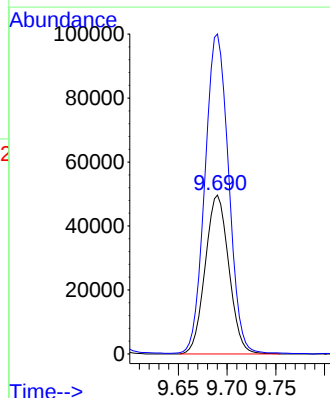
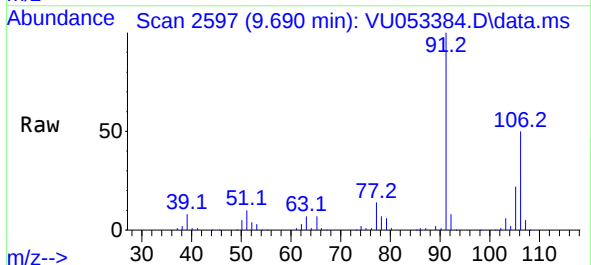
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

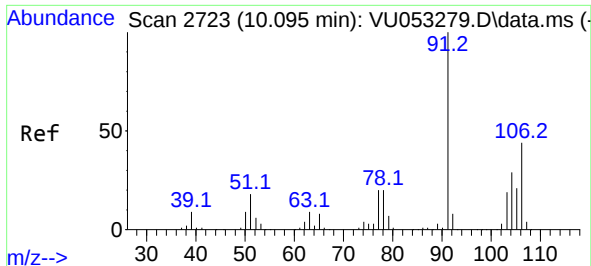
Tgt Ion: 91 Resp: 217976
Ion Ratio Lower Upper
91 100
106 30.7 21.6 40.0



#53
m,p-Xylene
Concen: 46.770 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 106 Resp: 83852
Ion Ratio Lower Upper
106 100
91 201.3 145.3 269.8

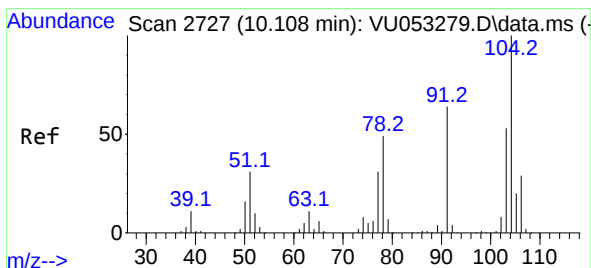
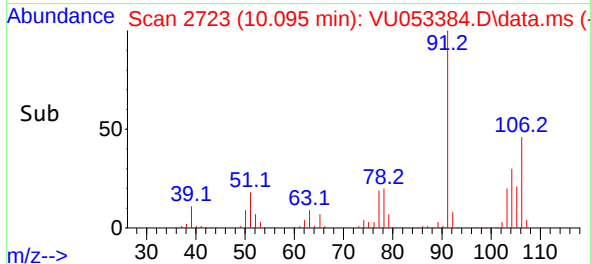
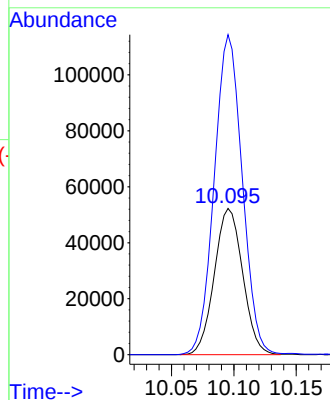
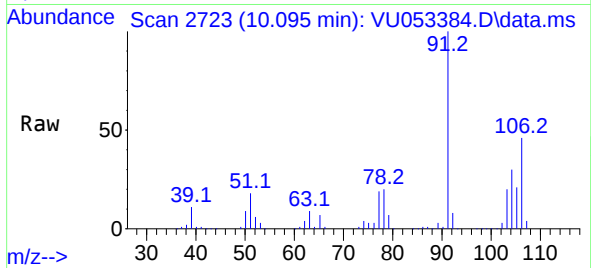




#54
o-Xylene
Concen: 46.674 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

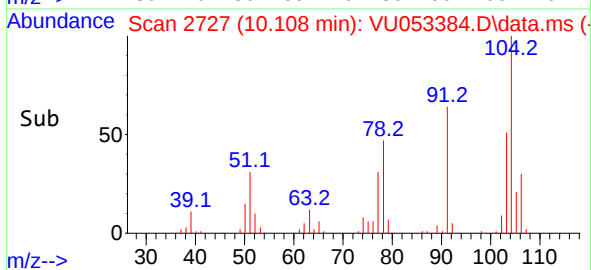
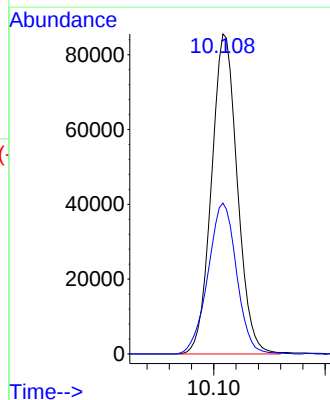
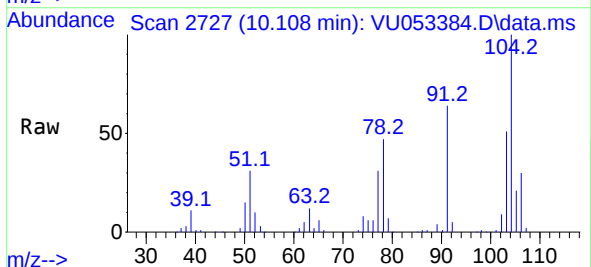
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

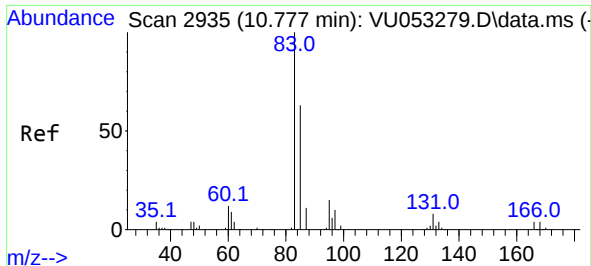
Tgt Ion:106 Resp: 82763
Ion Ratio Lower Upper
106 100
91 218.8 154.9 287.7



#55
Styrene
Concen: 46.645 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion:104 Resp: 137849
Ion Ratio Lower Upper
104 100
78 47.2 32.9 61.1

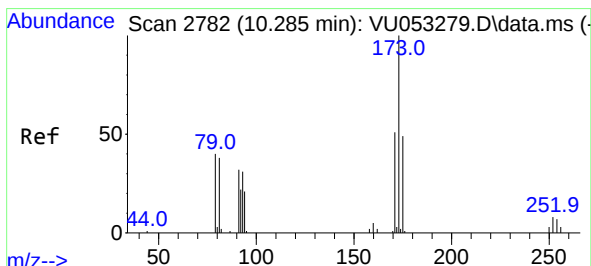
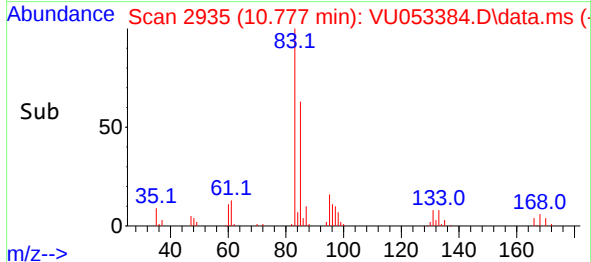
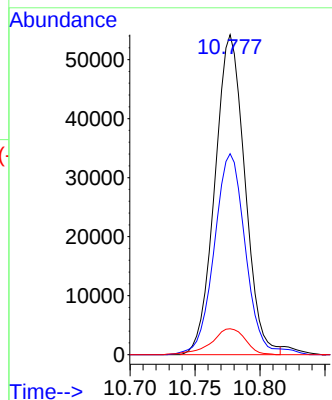
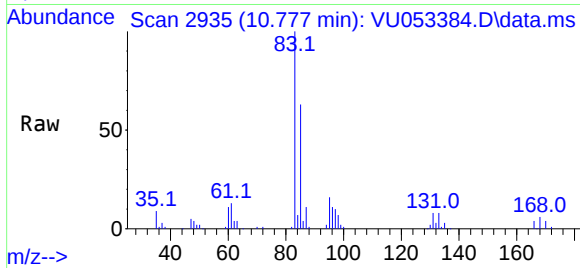




#57
1,1,2,2-Tetrachloroethane
Concen: 53.037 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

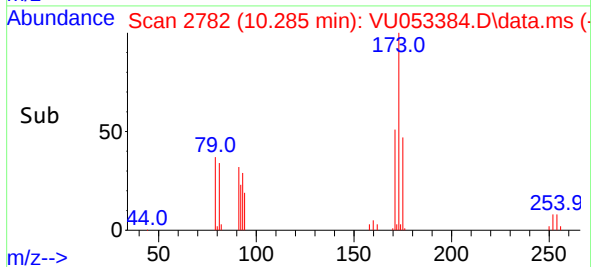
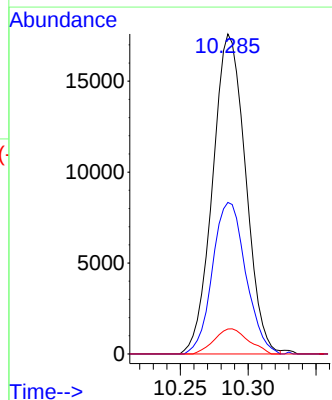
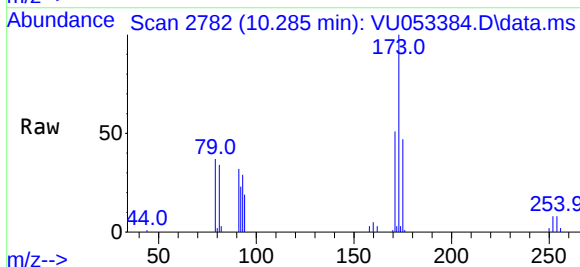
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

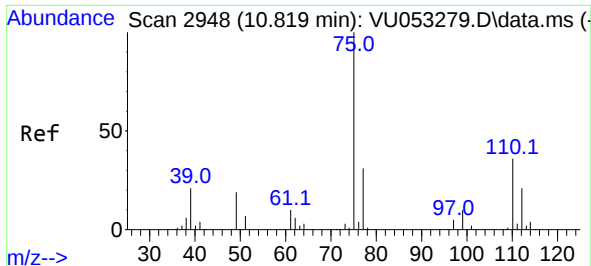
Tgt Ion: 83 Resp: 87037
Ion Ratio Lower Upper
83 100
85 62.8 46.0 85.4
131 8.1 6.6 10.0



#59
Bromoform
Concen: 46.661 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion:173 Resp: 29675
Ion Ratio Lower Upper
173 100
175 47.9 38.5 57.7
254 8.1 6.5 9.7

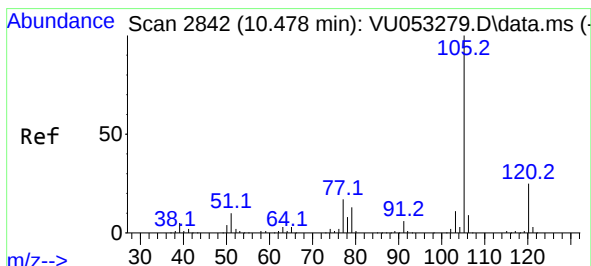
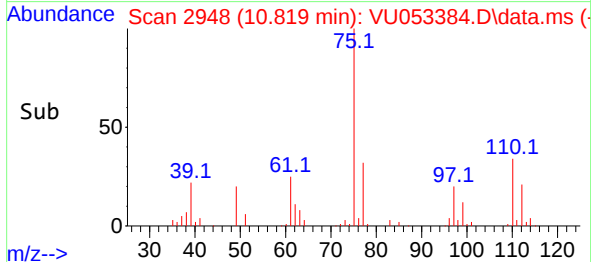
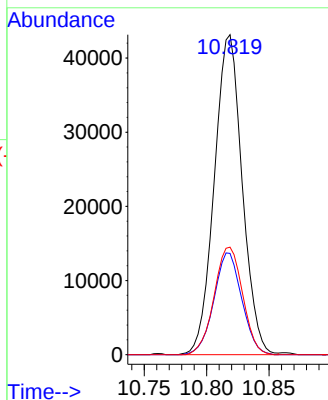
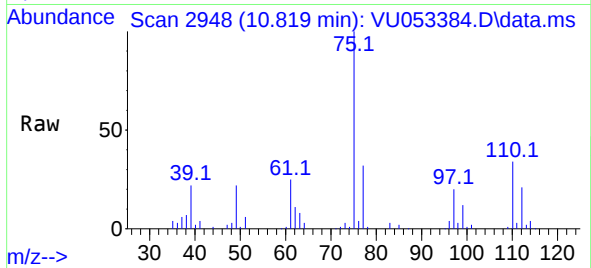




#60
1,2,3-Trichloropropane
Concen: 60.612 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

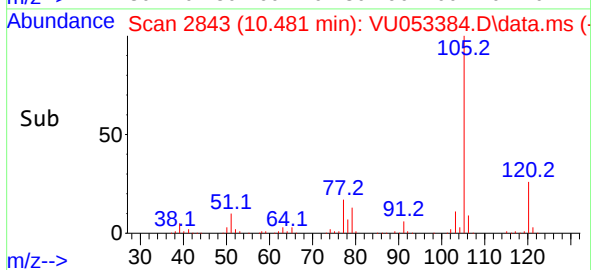
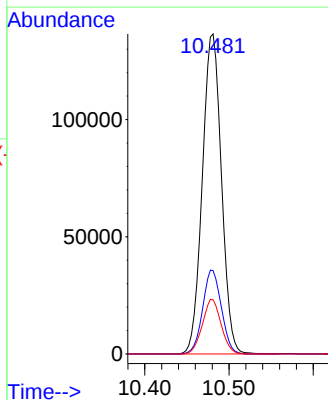
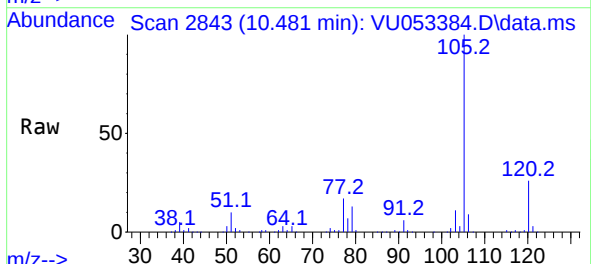
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

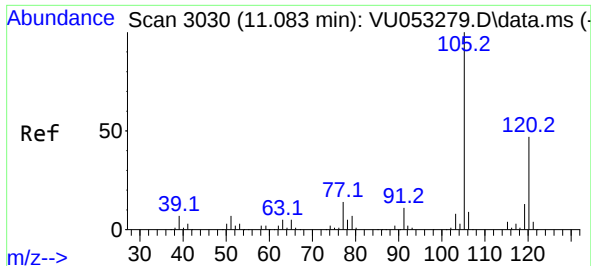
Tgt Ion:	75	Resp:	67309
Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.6	40.0
110	34.2	28.6	42.8



#61
Isopropylbenzene
Concen: 48.889 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion:	105	Resp:	215871
Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.4	30.6
77	16.7	13.0	19.4

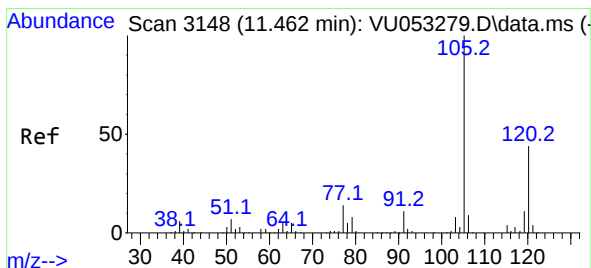
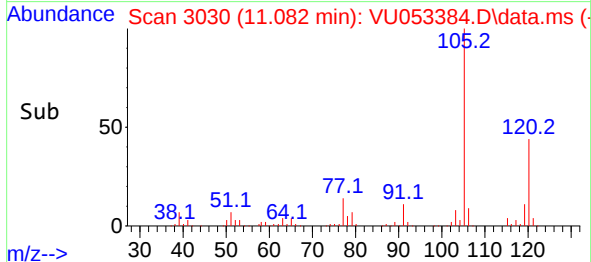
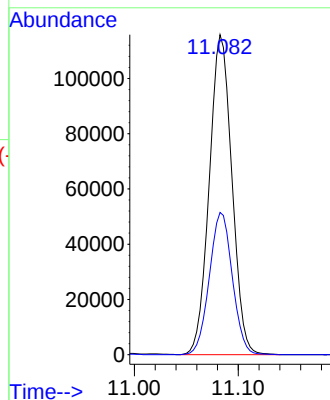
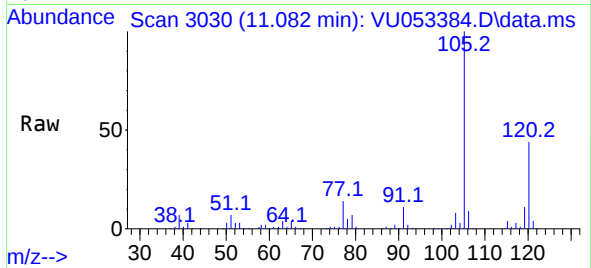




#62
1,3,5-Trimethylbenzene
Concen: 47.925 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

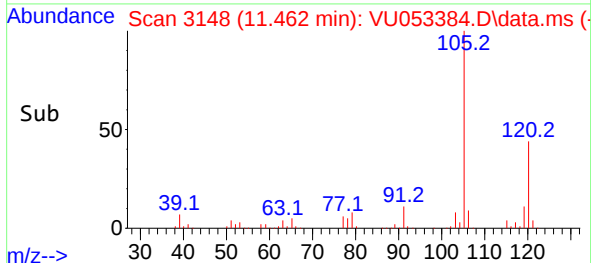
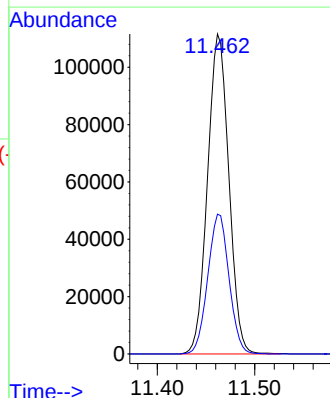
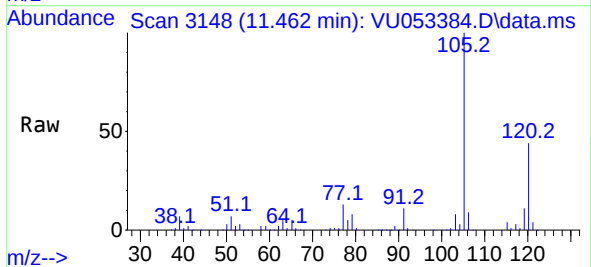
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

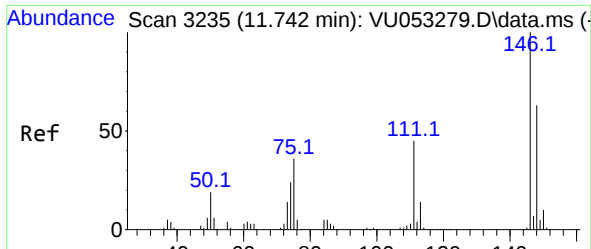
Tgt Ion:105 Resp: 175165
Ion Ratio Lower Upper
105 100
120 45.2 37.0 55.4



#63
1,2,4-Trimethylbenzene
Concen: 47.546 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion:105 Resp: 169390
Ion Ratio Lower Upper
105 100
120 43.6 34.6 52.0

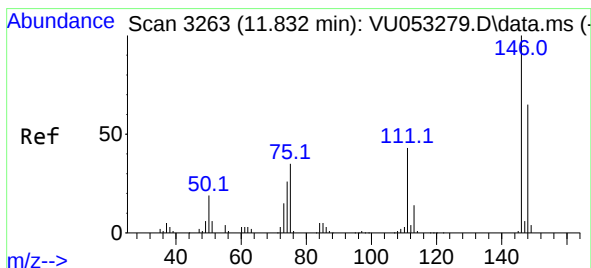
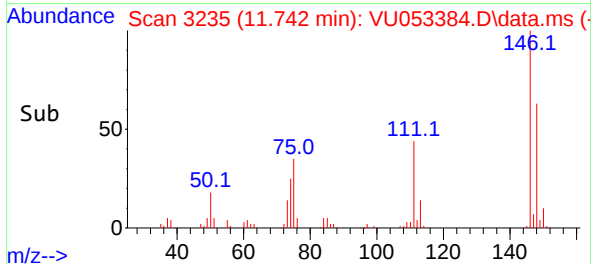
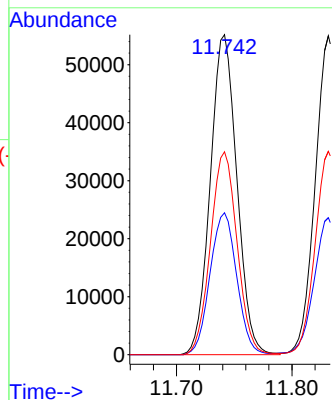
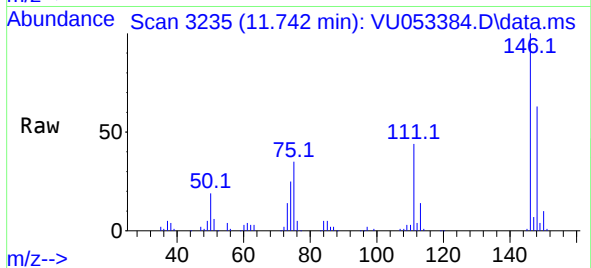




#64
1,3-Dichlorobenzene
Concen: 47.614 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

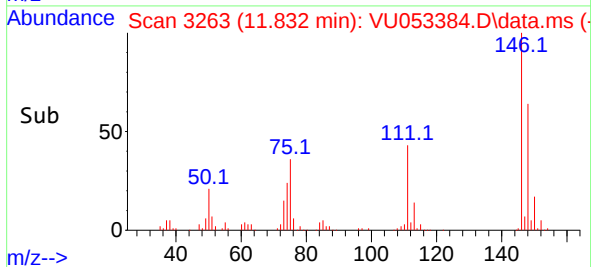
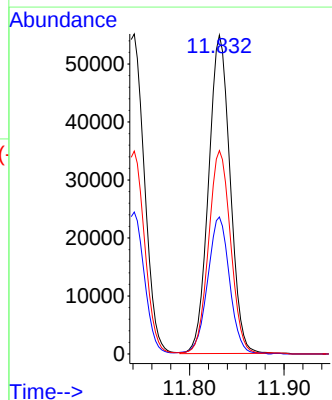
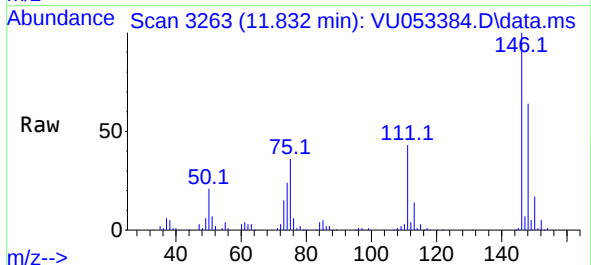
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

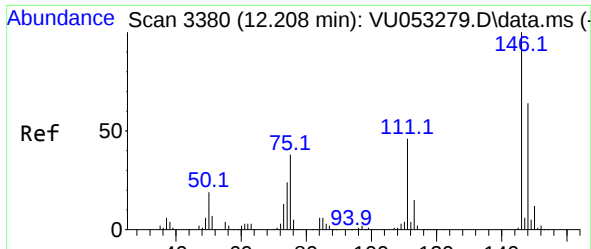
Tgt Ion:146 Resp: 88173
Ion Ratio Lower Upper
146 100
111 44.3 30.2 56.0
148 63.4 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 46.751 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion:146 Resp: 86913
Ion Ratio Lower Upper
146 100
111 43.0 30.7 57.1
148 63.8 45.6 84.8

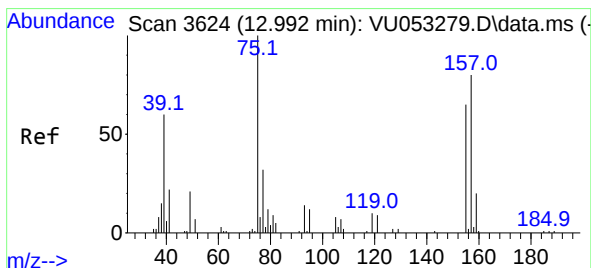
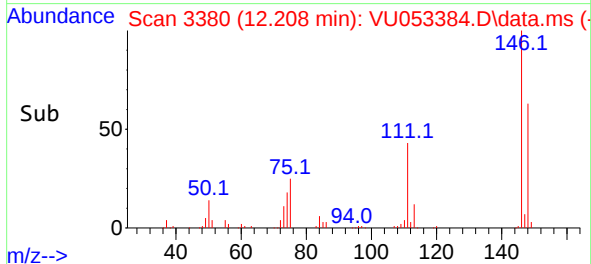
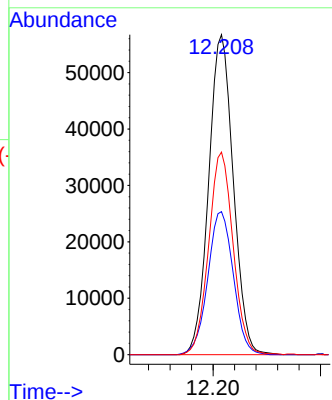
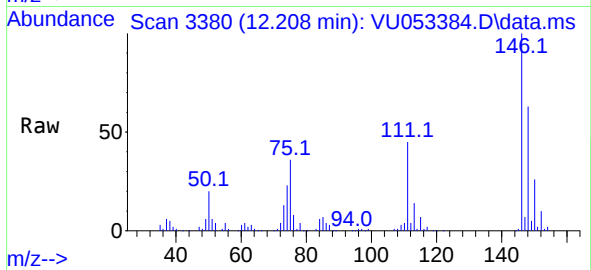




#67
1,2-Dichlorobenzene
Concen: 48.715 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

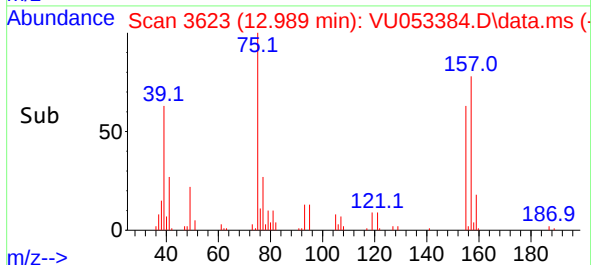
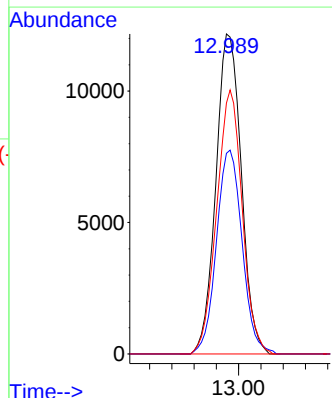
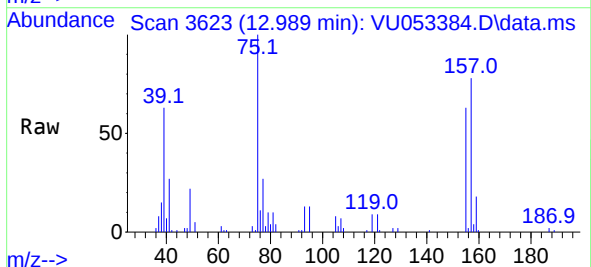
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

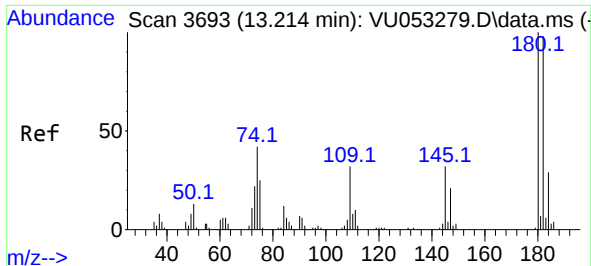
Tgt Ion:146 Resp: 90167
Ion Ratio Lower Upper
146 100
111 44.7 37.0 55.4
148 63.3 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 62.860 ug/L
RT: 12.989 min Scan# 3623
Delta R.T. -0.003 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion: 75 Resp: 19303
Ion Ratio Lower Upper
75 100
155 62.7 60.2 90.4
157 78.4 73.0 109.4

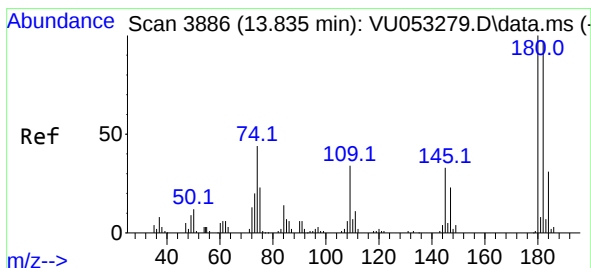
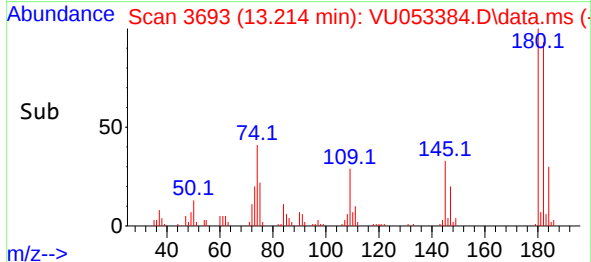
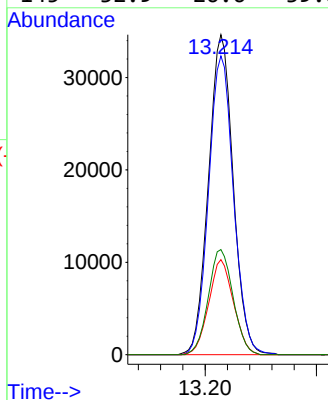
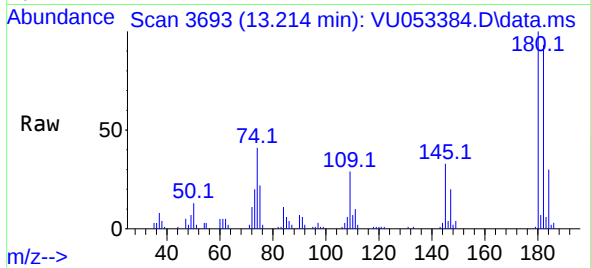




#69
1,3,5-Trichlorobenzene
Concen: 45.431 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

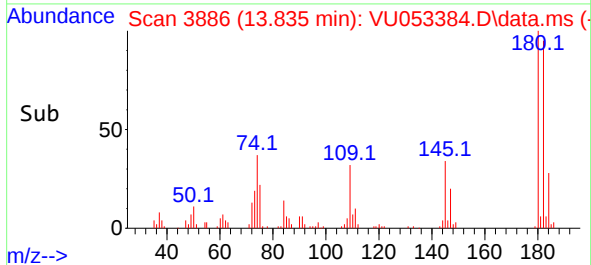
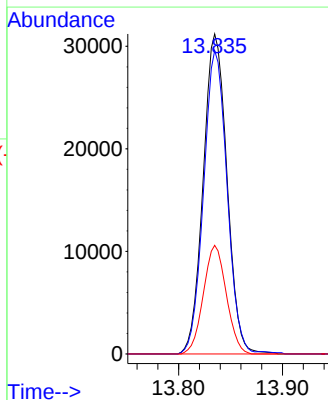
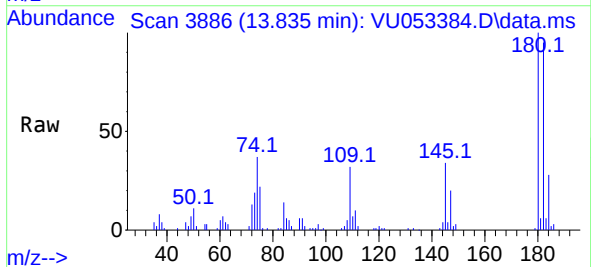
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

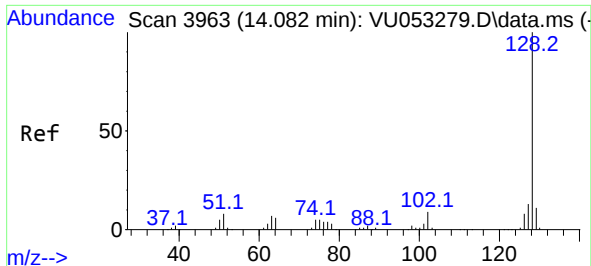
Tgt Ion:	180	Resp:	53340
Ion Ratio	Lower	Upper	
180	100		
182	94.2	74.5	111.7
184	29.8	23.2	34.8
145	32.9	26.6	39.8



#70
1,2,4-trichlorobenzene
Concen: 47.002 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion:	180	Resp:	49584
Ion Ratio	Lower	Upper	
180	100		
182	93.2	75.8	113.8
145	32.7	27.2	40.8



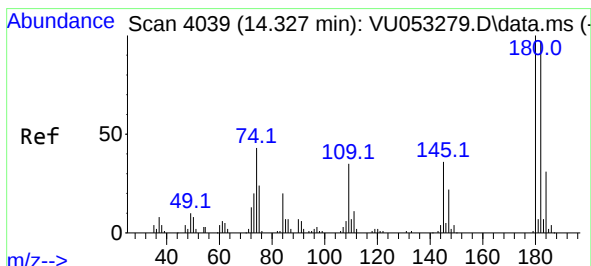
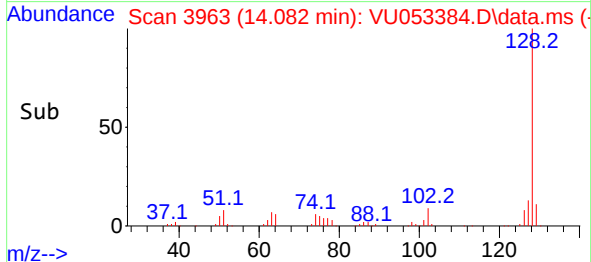
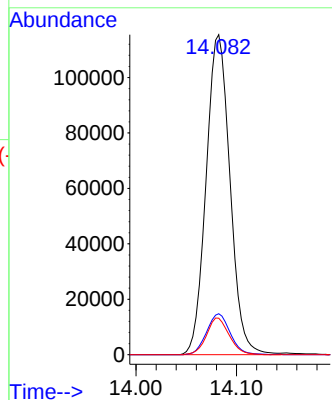
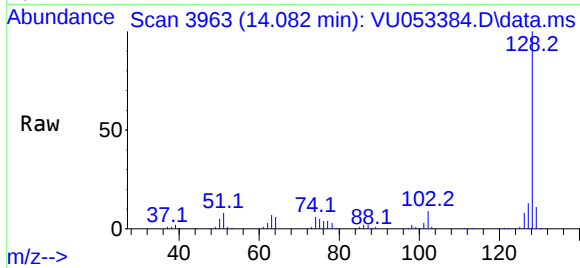


#71
Naphthalene
Concen: 53.658 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

Tgt Ion:128 Resp: 190791

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	10.9	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 49.555 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU053384.D
Acq: 23 Mar 2023 21:13

Tgt Ion:180 Resp: 49576

Ion	Ratio	Lower	Upper
180	100		
182	90.9	76.7	115.1
145	34.4	28.6	42.8

