

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U040623\
 Data File : VU053585.D
 Acq On : 06 Apr 2023 10:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050187

Quant Time: Apr 07 03:45:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	266383	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	250558	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	138568	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	103773	50.030	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.060%	
7) Chloroethane-d5	1.909	69	83324	52.101	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 104.200%	
11) 1,1-Dichloroethene-d2	2.565	63	157479	49.046	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 98.100%	
21) 2-Butanone-d5	4.613	46	103475	110.183	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 110.180%	
24) Chloroform-d	5.057	84	168464	49.109	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 98.220%	
26) 1,2-Dichloroethane-d4	5.697	65	103780	51.198	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.400%	
32) Benzene-d6	5.723	84	335386	49.590	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 99.180%	
36) 1,2-Dichloropropane-d6	6.687	67	104455	50.529	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 101.060%	
41) Toluene-d8	7.896	98	326201	48.527	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 97.060%	
43) trans-1,3-Dichloroprop...	8.176	79	53394	50.038	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 100.080%	
47) 2-Hexanone-d5	8.629	63	78615	111.429	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 111.430%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	146863	50.406	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 100.820%	
66) 1,2-Dichlorobenzene-d4	12.189	152	132504	45.811	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 91.620%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	103843	48.029	ug/L	100
3) Chloromethane	1.520	50	99091	55.776	ug/L	95
5) Vinyl chloride	1.604	62	113349	55.052	ug/L	99
6) Bromomethane	1.851	94	72563	48.436	ug/L	97
8) Chloroethane	1.932	64	66312	53.549	ug/L	98
9) Trichlorofluoromethane	2.137	101	163879	51.748	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	91347	49.806	ug/L	94
12) 1,1-Dichloroethene	2.578	96	78713	48.156	ug/L	96
13) Acetone	2.620	43	93641	110.951	ug/L	98
14) Carbon disulfide	2.790	76	218062	50.433	ug/L	96
15) Methyl Acetate	2.941	43	68172	52.735	ug/L	95
16) Methylene chloride	3.044	84	86625	47.150	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	79754	48.550	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	247688	51.729	ug/L	98
19) 1,1-Dichloroethane	3.864	63	144054	52.938	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	93016	49.022	ug/L	95
22) 2-Butanone	4.694	43	110865	108.427	ug/L	96
23) Bromochloromethane	4.970	128	48687	46.066	ug/L	94
25) Chloroform	5.086	83	159572	51.127	ug/L	98

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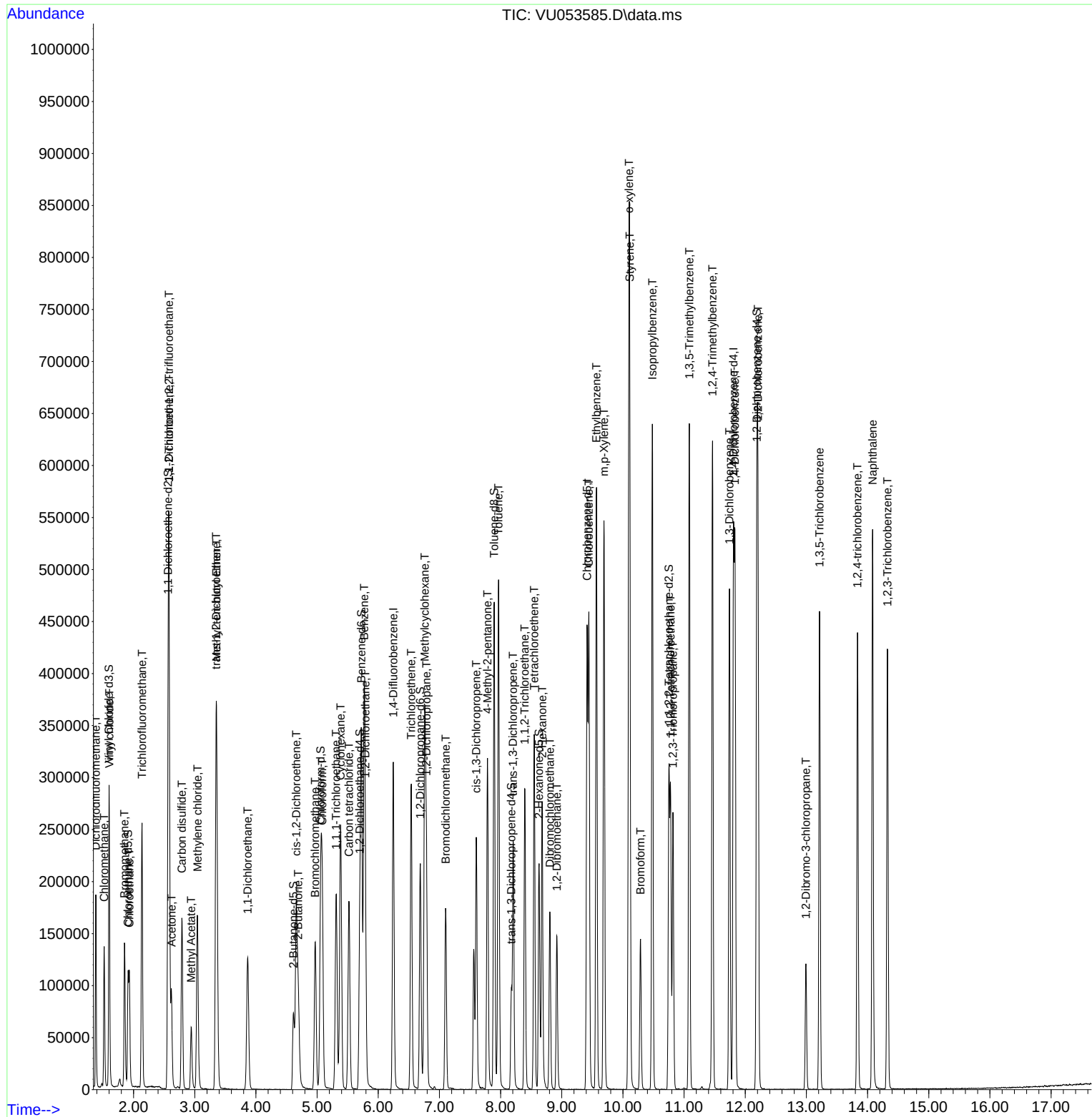
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	116992	51.184	ug/L	98
29) Cyclohexane	5.385	56	128857	53.421	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	137033	49.635	ug/L	98
31) Carbon tetrachloride	5.520	117	121383	49.072	ug/L	99
33) Benzene	5.771	78	336683	51.574	ug/L	100
34) Trichloroethene	6.539	95	98169	49.720	ug/L	93
35) Methylcyclohexane	6.761	83	153633	52.935	ug/L	98
37) 1,2-Dichloropropane	6.787	63	87062	52.523	ug/L	99
38) Bromodichloromethane	7.102	83	115096	52.049	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	146574	54.112	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	193518	107.432	ug/L	98
42) Toluene	7.967	91	368589	49.823	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	137660	53.759	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	91508	50.281	ug/L	99
46) Tetrachloroethene	8.549	164	72234	44.087	ug/L	91
48) 2-Hexanone	8.681	43	161071	110.542	ug/L	100
49) Dibromochloromethane	8.806	129	91183	48.185	ug/L	100
50) 1,2-Dibromoethane	8.919	107	99319	48.779	ug/L	96
51) Chlorobenzene	9.443	112	246406	48.341	ug/L	95
52) Ethylbenzene	9.568	91	419183	50.900	ug/L	100
53) m,p-Xylene	9.690	106	163677	50.818	ug/L	100
54) o-xylene	10.099	106	157864	49.573	ug/L	98
55) Styrene	10.111	104	264995	51.090	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	135814	50.827	ug/L	98
59) Bromoform	10.288	173	64121	45.209	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	110058	54.777	ug/L	96
61) Isopropylbenzene	10.481	105	418590	51.094	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	350596	51.480	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	349721	51.847	ug/L	97
64) 1,3-Dichlorobenzene	11.742	146	201474	47.064	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	203533	46.650	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	201594	47.251	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	30190	56.364	ug/L	82
69) 1,3,5-Trichlorobenzene	13.214	180	140718	44.390	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	131913	44.883	ug/L	98
71) Naphthalene	14.082	128	439542	49.964	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	130550	44.472	ug/L	98

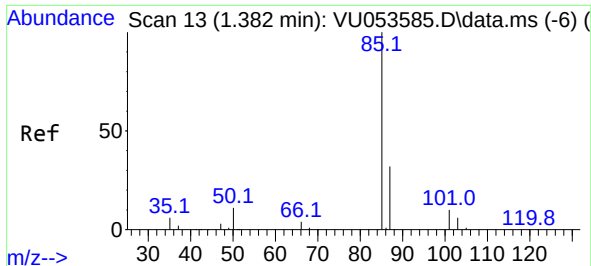
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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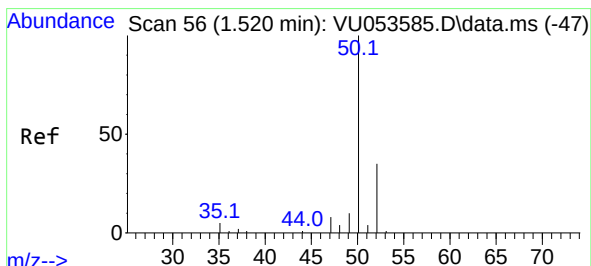
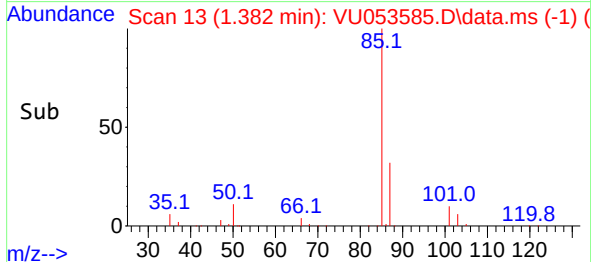
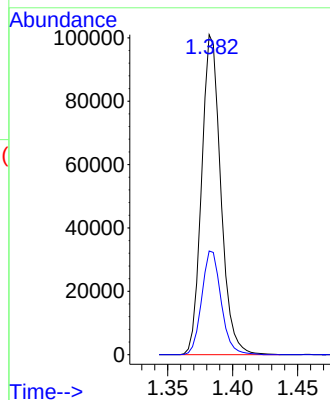
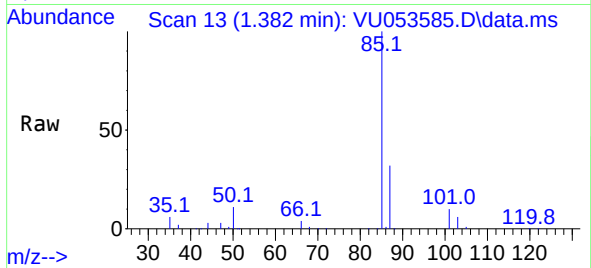




#2
Dichlorodifluoromethane
Concen: 48.029 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

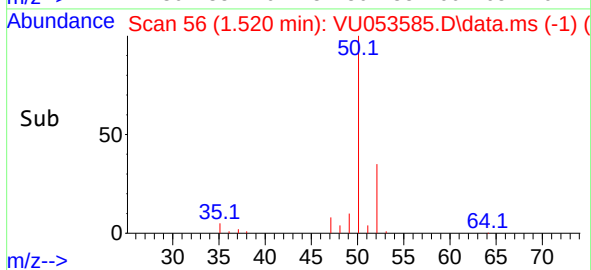
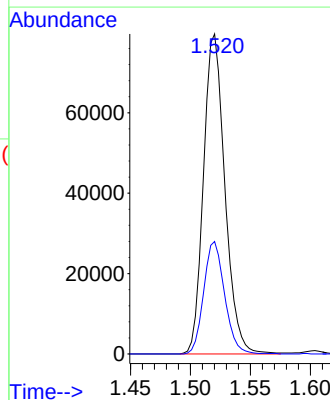
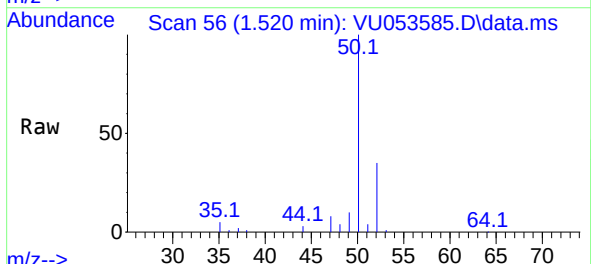
Instrument :
MSVOA_U
ClientSampleId :
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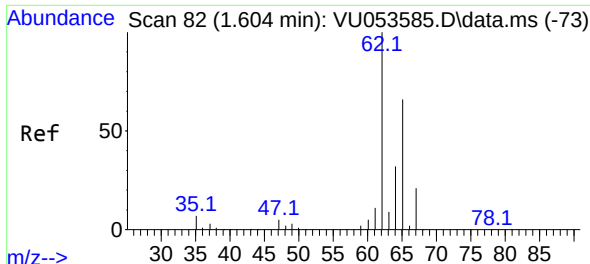
Tgt Ion: 85 Resp: 103843
Ion Ratio Lower Upper
85 100
87 32.8 26.4 39.6



#3
Chloromethane
Concen: 55.776 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 50 Resp: 99091
Ion Ratio Lower Upper
50 100
52 35.1 22.7 42.1

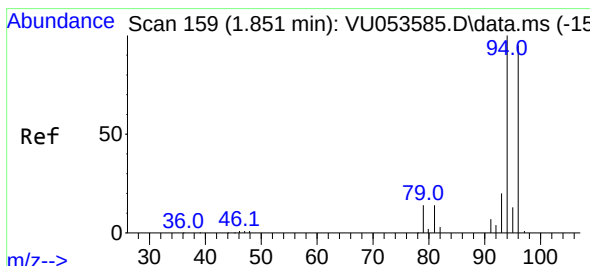
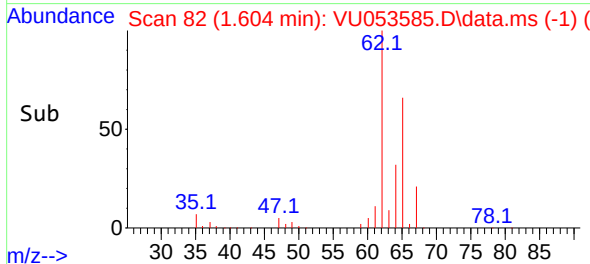
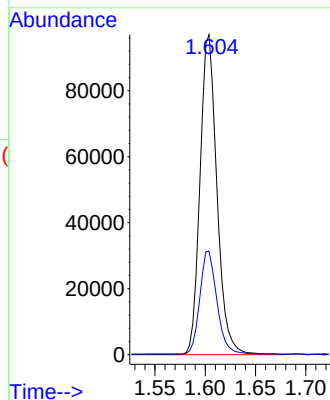
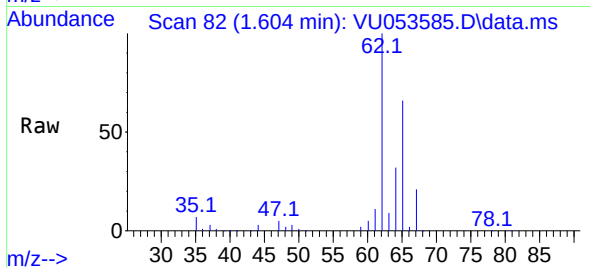




#5
 Vinyl chloride
 Concen: 55.052 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053585.D
 Acq: 06 Apr 2023 10:45

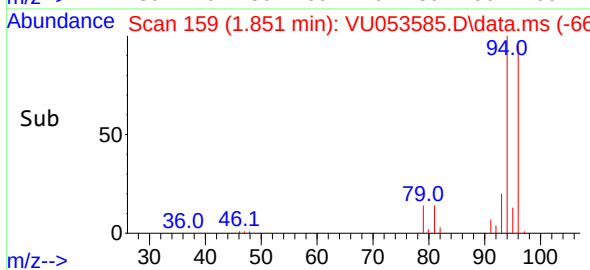
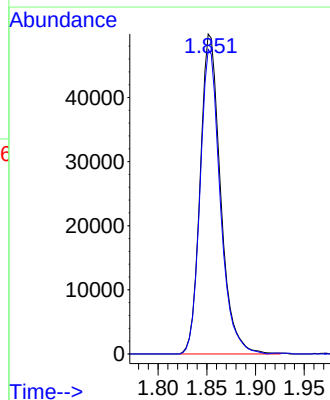
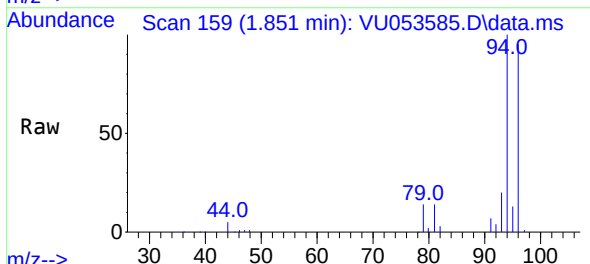
Instrument :
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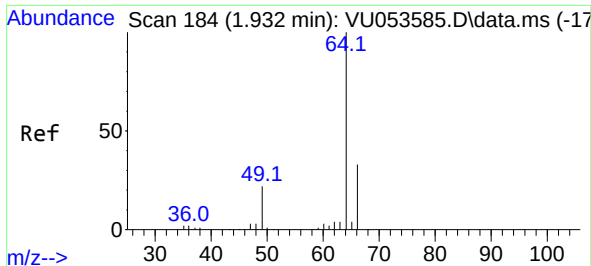
Tgt Ion: 62 Resp: 113349
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.2 43.0



#6
 Bromomethane
 Concen: 48.436 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VU053585.D
 Acq: 06 Apr 2023 10:45

Tgt Ion: 94 Resp: 72563
 Ion Ratio Lower Upper
 94 100
 96 95.2 64.4 119.6

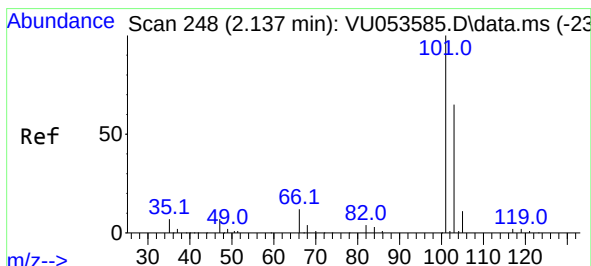
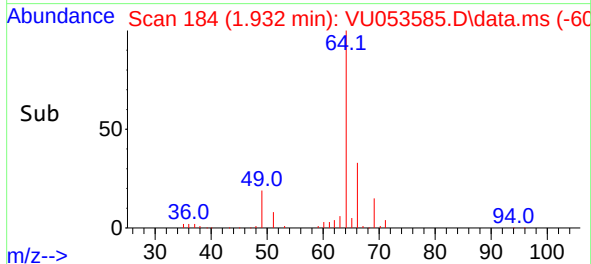
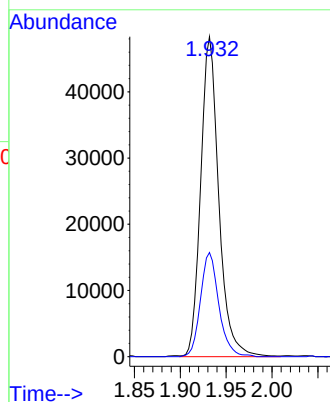
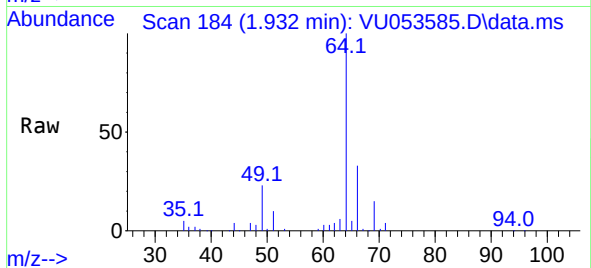




#8
Chloroethane
Concen: 53.549 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

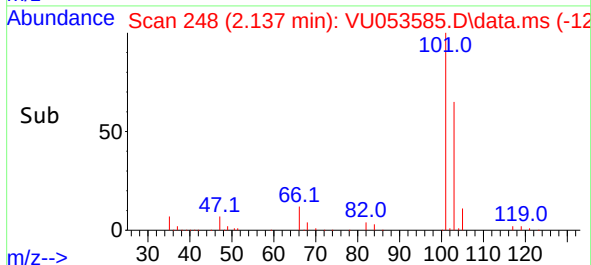
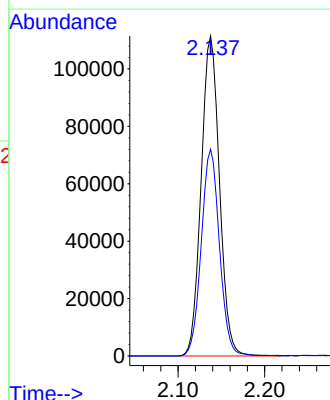
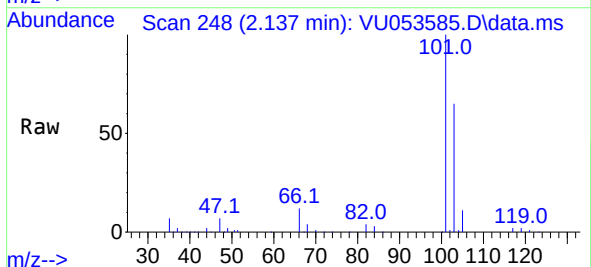
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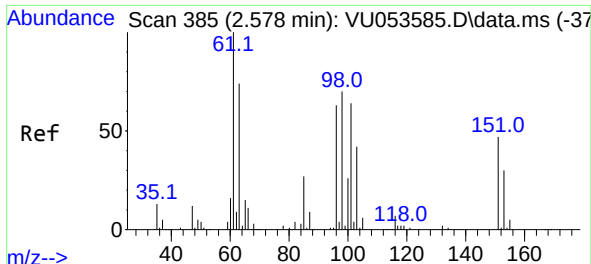
Tgt Ion: 64 Resp: 66312
Ion Ratio Lower Upper
64 100
66 32.6 21.8 40.6



#9
Trichlorofluoromethane
Concen: 51.748 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion:101 Resp: 163879
Ion Ratio Lower Upper
101 100
103 64.0 52.5 78.7

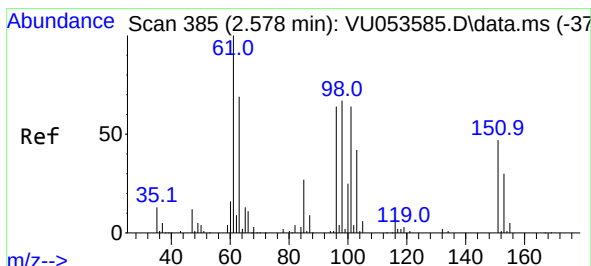
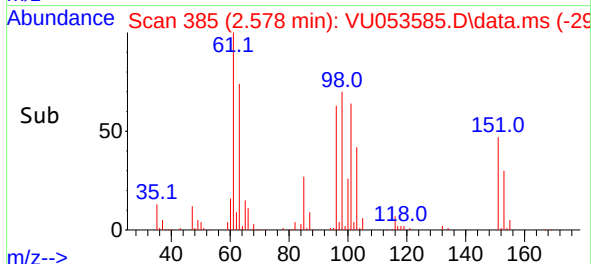
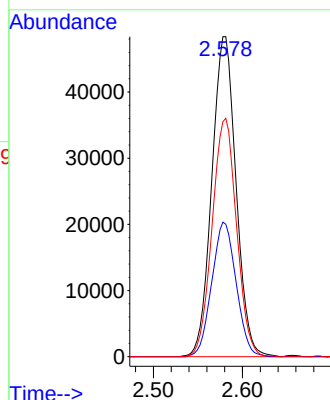
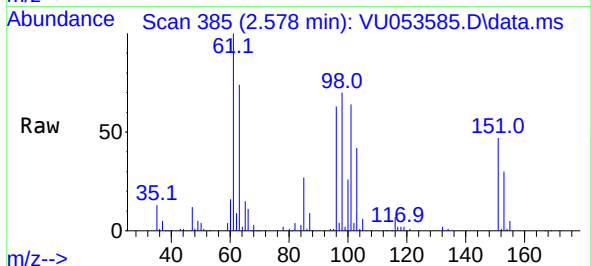




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.806 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053585.D
 Acq: 06 Apr 2023 10:45

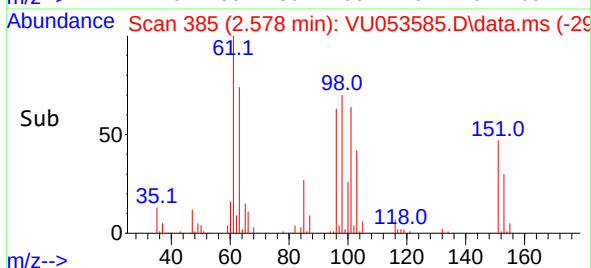
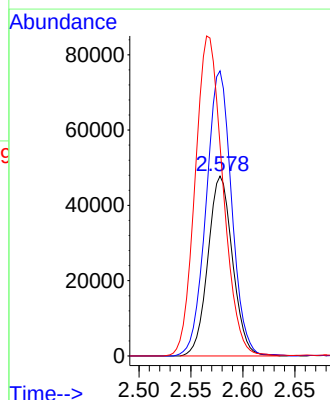
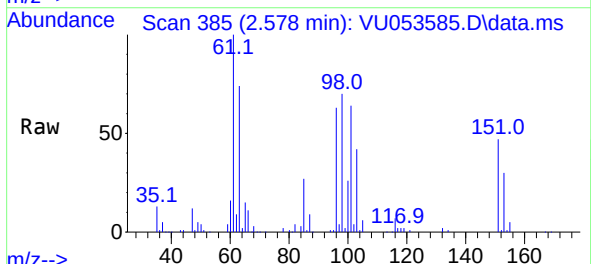
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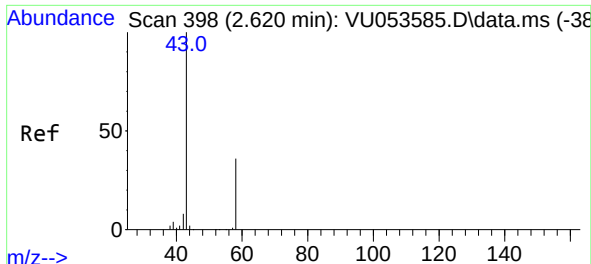
Tgt Ion:101 Resp: 91347
 Ion Ratio Lower Upper
 101 100
 85 42.2 32.6 48.8
 151 75.1 65.8 98.6



#12
 1,1-Dichloroethene
 Concen: 48.156 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053585.D
 Acq: 06 Apr 2023 10:45

Tgt Ion: 96 Resp: 78713
 Ion Ratio Lower Upper
 96 100
 61 158.5 107.9 200.5
 63 117.3 79.1 146.9





#13

Acetone

Concen: 110.951 ug/L

RT: 2.620 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU053585.D

Acq: 06 Apr 2023 10:45

Instrument :

MSVOA_U

ClientSampleId :

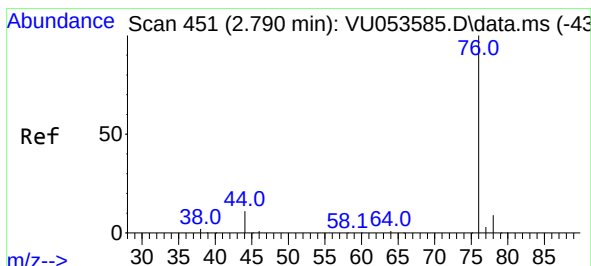
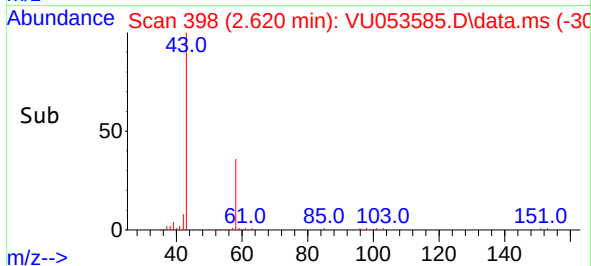
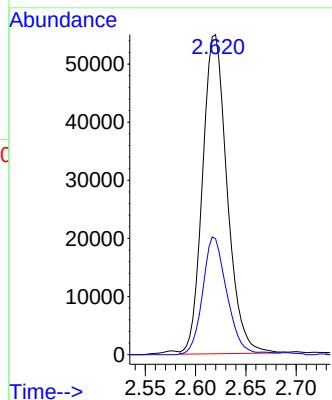
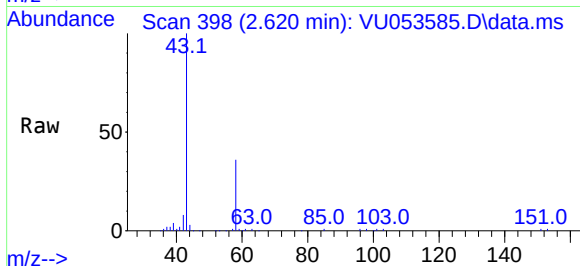
VSTD050187

Tgt Ion: 43 Resp: 93641

Ion Ratio Lower Upper

43 100

58 36.0 0.0 70.2



#14

Carbon disulfide

Concen: 50.433 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053585.D

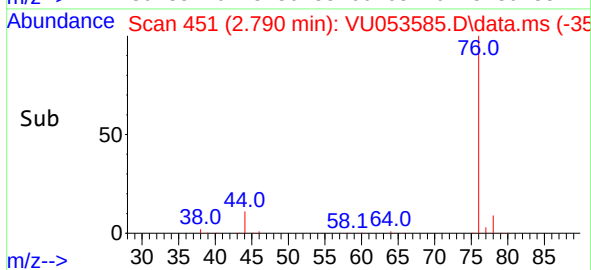
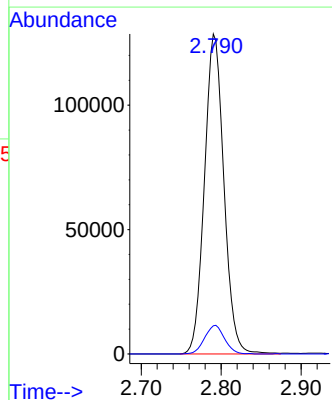
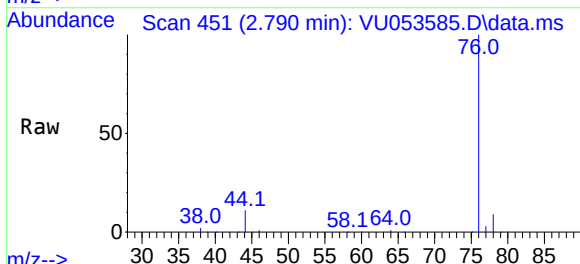
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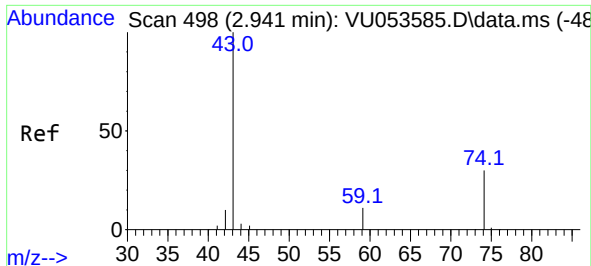
Tgt Ion: 76 Resp: 218062

Ion Ratio Lower Upper

76 100

78 8.8 8.2 12.2

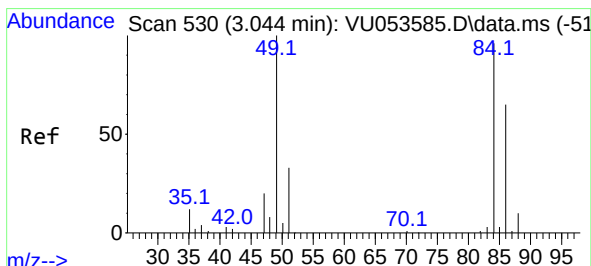
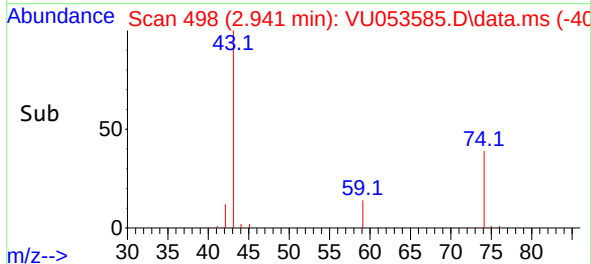
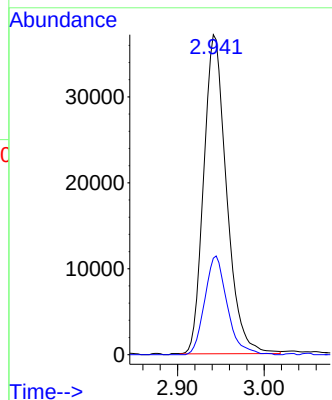
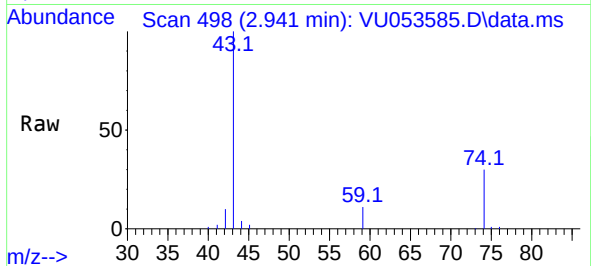




#15
Methyl Acetate
Concen: 52.735 ug/L
RT: 2.941 min Scan# 498
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

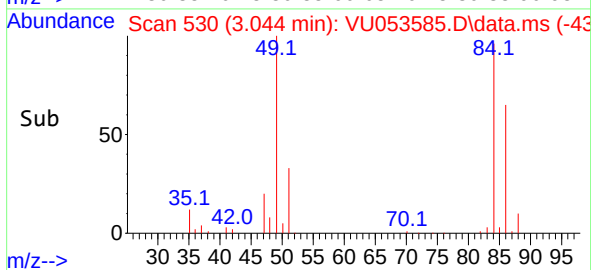
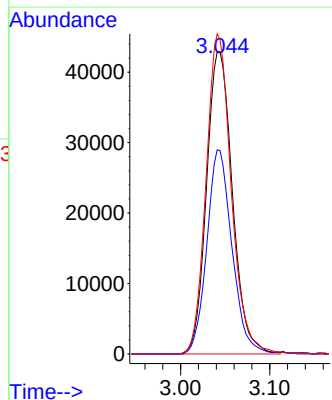
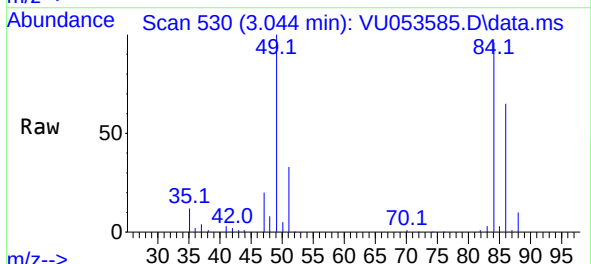
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

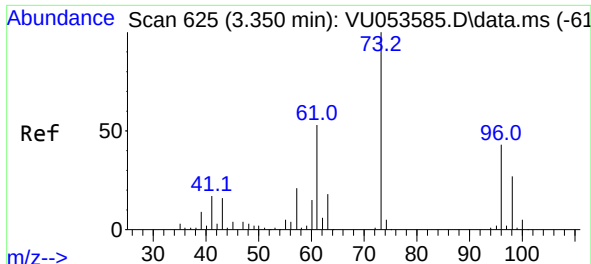
Tgt Ion: 43 Resp: 68172
Ion Ratio Lower Upper
43 100
74 30.3 22.0 33.0



#16
Methylene chloride
Concen: 47.150 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 84 Resp: 86625
Ion Ratio Lower Upper
84 100
86 67.3 43.5 80.9
49 104.1 69.7 129.5

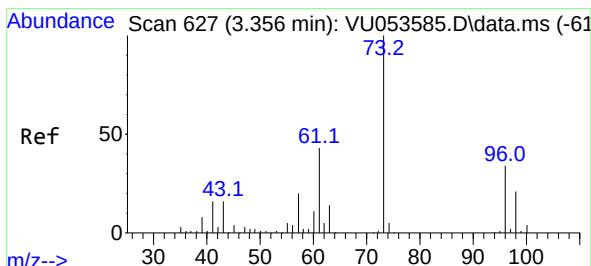
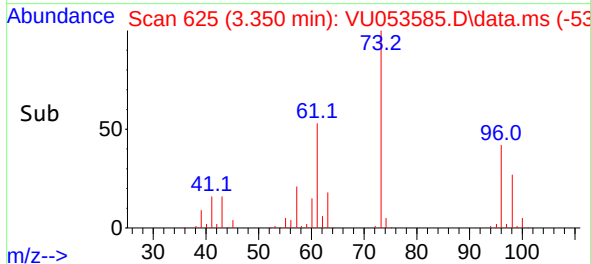
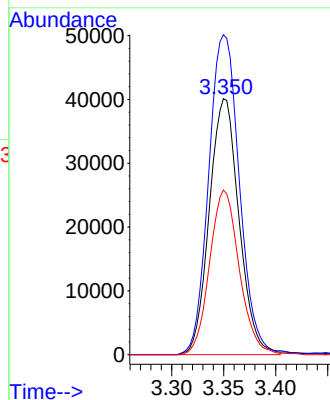
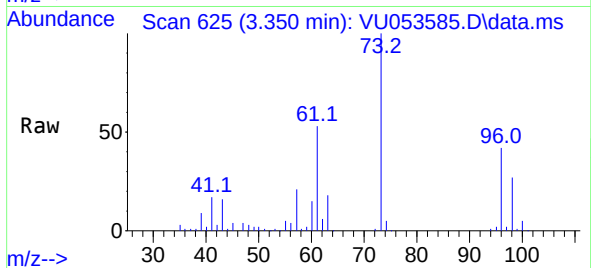




#17
trans-1,2-Dichloroethene
Concen: 48.550 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

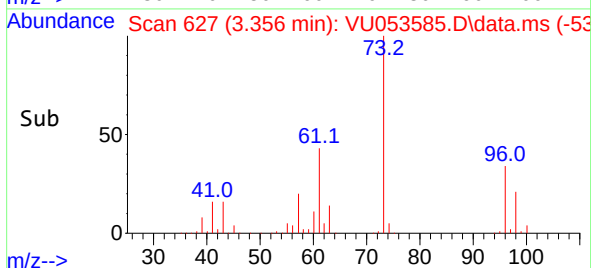
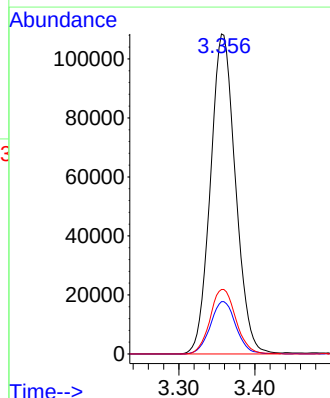
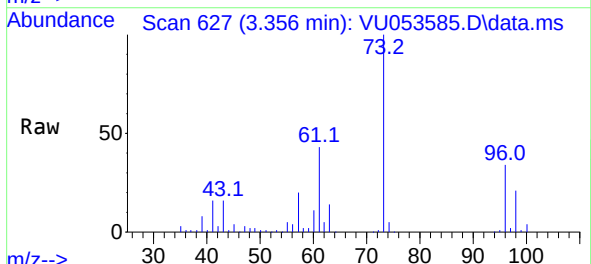
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

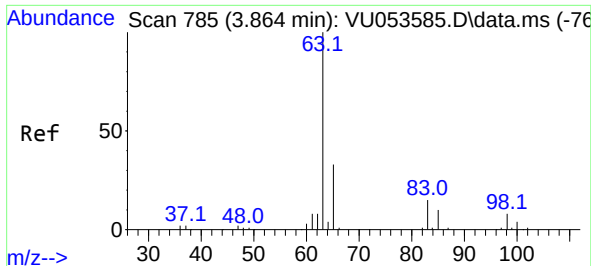
Tgt Ion: 96 Resp: 79754
Ion Ratio Lower Upper
96 100
61 125.0 84.4 156.8
98 64.3 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 51.729 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 73 Resp: 247688
Ion Ratio Lower Upper
73 100
43 16.6 13.8 20.8
57 20.8 15.9 23.9

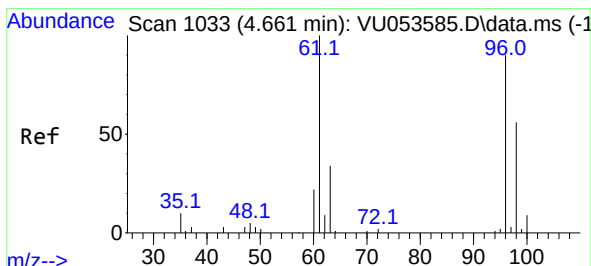
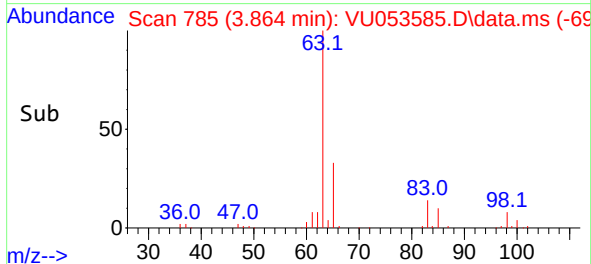
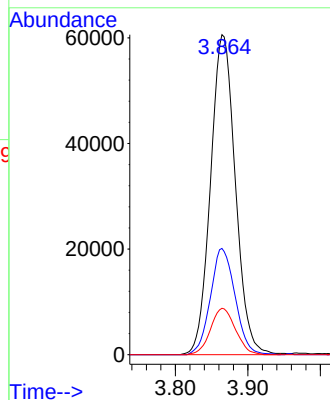
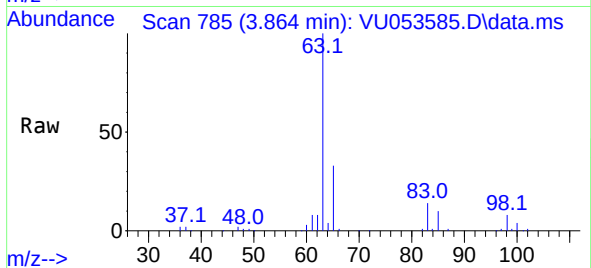




#19
1,1-Dichloroethane
Concen: 52.938 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

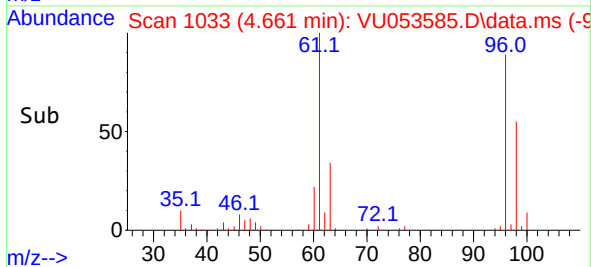
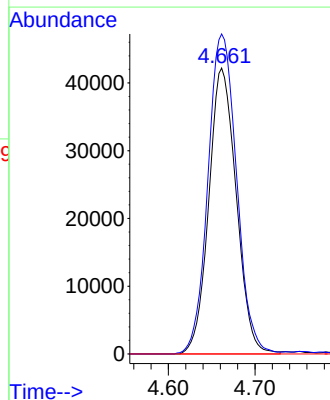
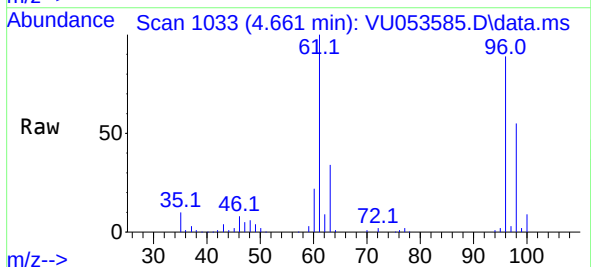
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

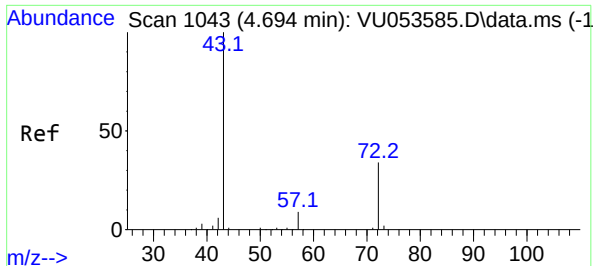
Tgt Ion: 63 Resp: 144054
Ion Ratio Lower Upper
63 100
65 33.2 22.0 41.0
83 14.5 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 49.022 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 96 Resp: 93016
Ion Ratio Lower Upper
96 100
61 111.9 74.7 138.7
68 0.0 0.0 0.0

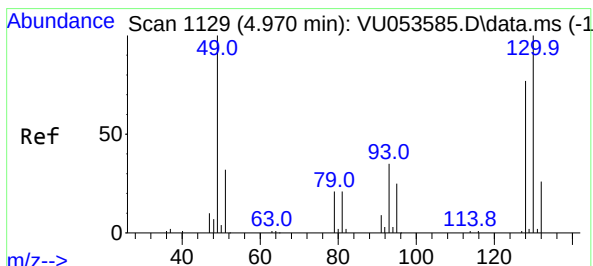
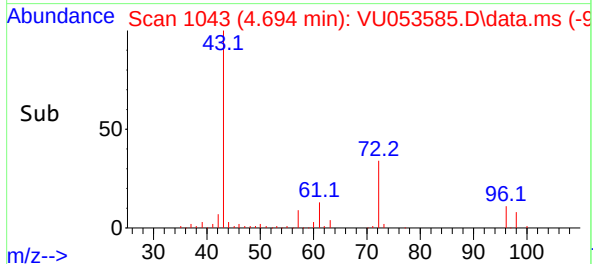
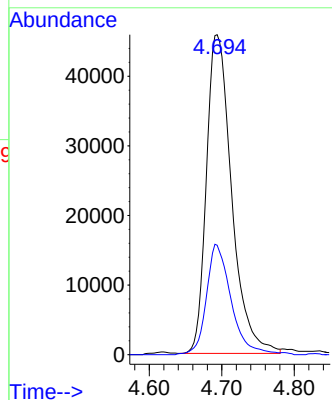
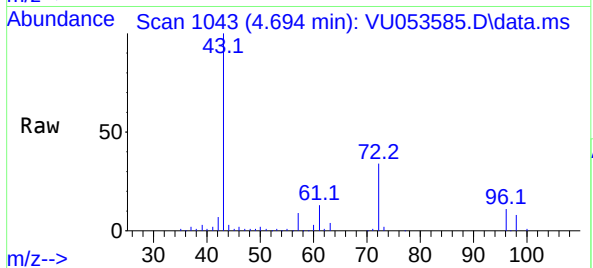




#22
2-Butanone
Concen: 108.427 ug/L
RT: 4.694 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

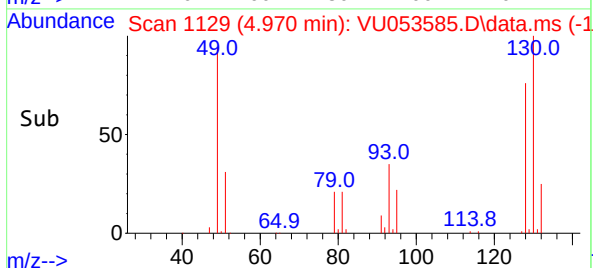
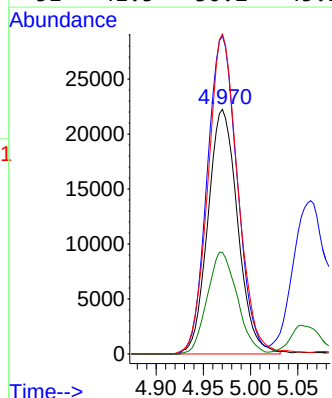
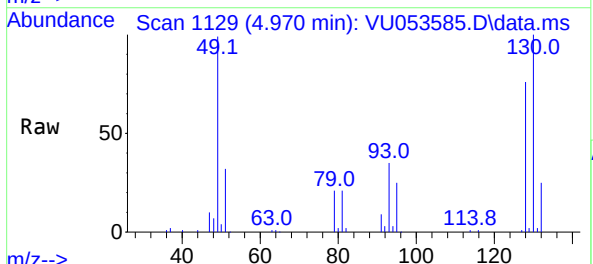
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

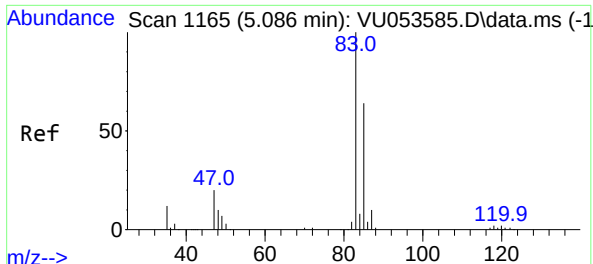
Tgt Ion: 43 Resp: 110865
Ion Ratio Lower Upper
43 100
72 33.8 15.8 47.3



#23
Bromochloromethane
Concen: 46.066 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 128 Resp: 48687
Ion Ratio Lower Upper
128 100
49 130.0 81.5 151.3
130 130.8 91.8 170.4
51 41.5 30.2 45.2

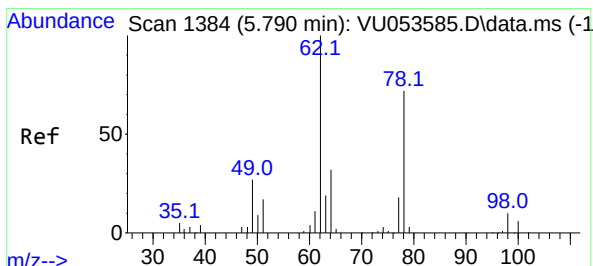
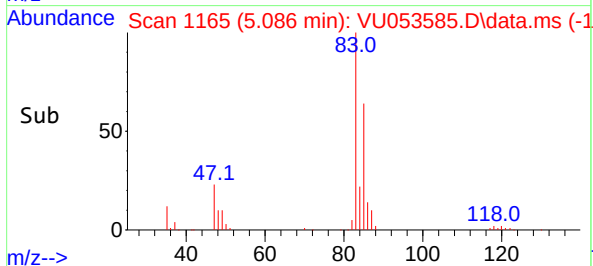
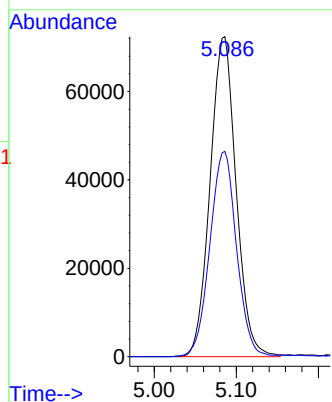
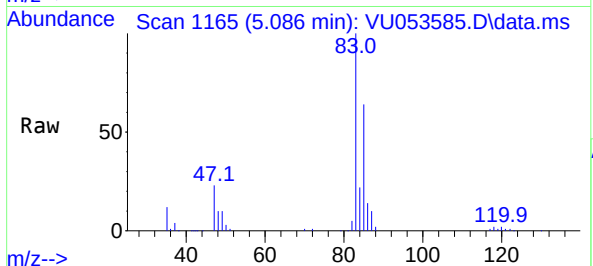




#25
Chloroform
Concen: 51.127 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

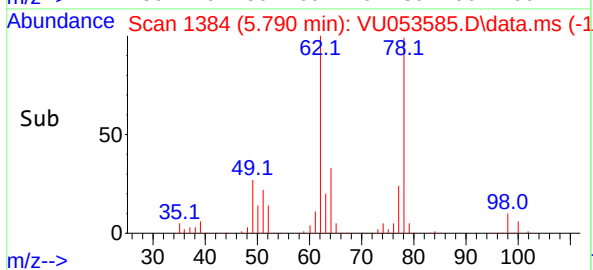
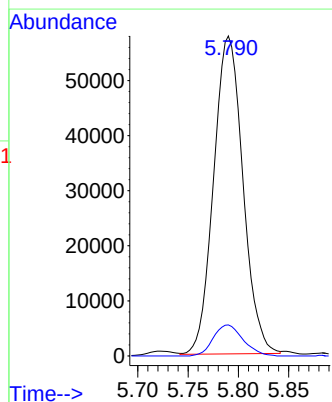
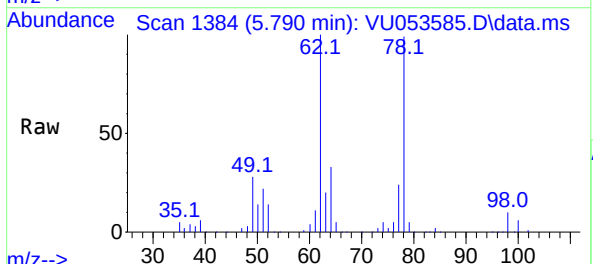
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

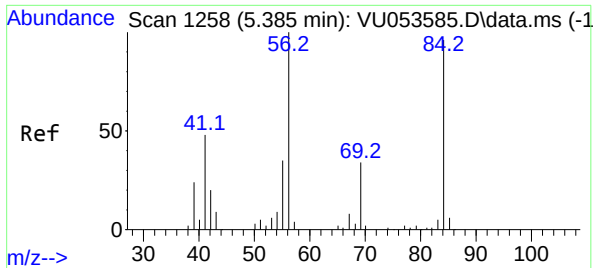
Tgt Ion: 83 Resp: 159572
Ion Ratio Lower Upper
83 100
85 64.2 46.1 85.5



#27
1,2-Dichloroethane
Concen: 51.184 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 62 Resp: 116992
Ion Ratio Lower Upper
62 100
98 9.7 8.3 12.5





#29

Cyclohexane

Concen: 53.421 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053585.D

Acq: 06 Apr 2023 10:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050187

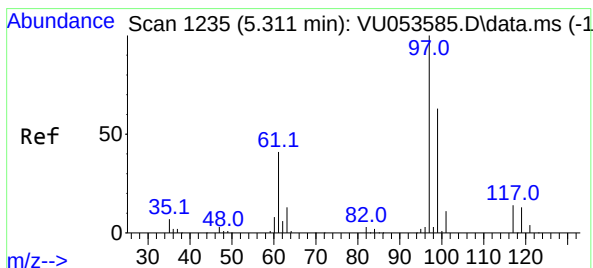
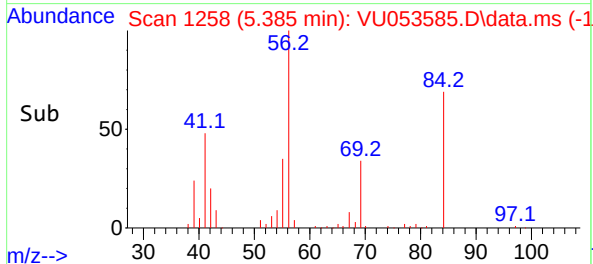
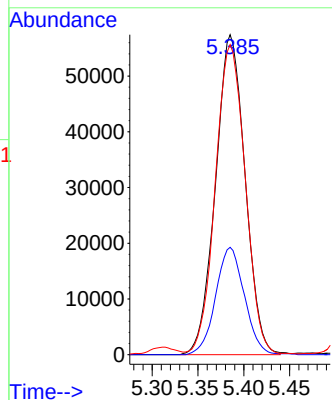
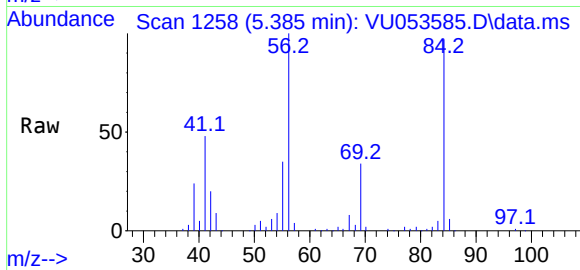
Tgt Ion: 56 Resp: 128857

Ion Ratio Lower Upper

56 100

69 32.6 27.3 40.9

84 98.1 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 49.635 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053585.D

Acq: 06 Apr 2023 10:45

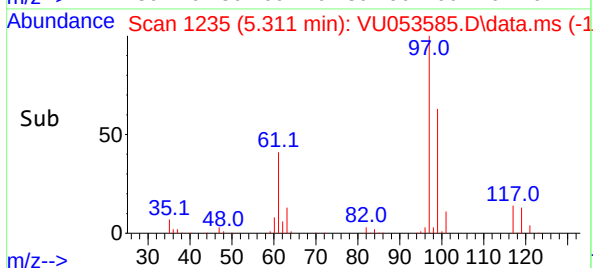
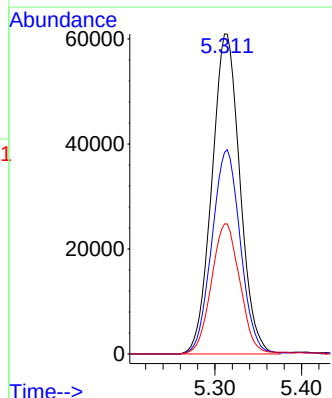
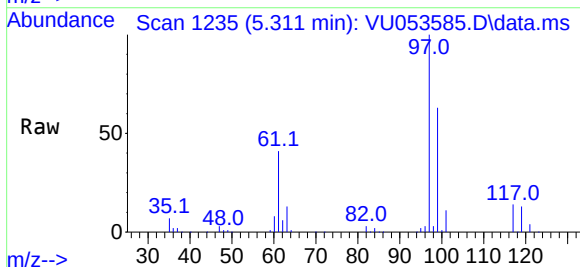
Tgt Ion: 97 Resp: 137033

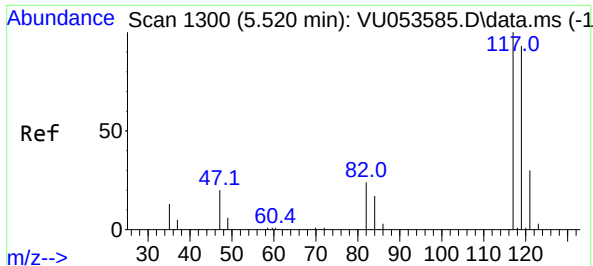
Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 41.2 31.0 46.4

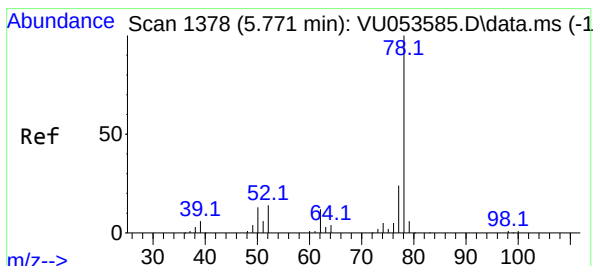
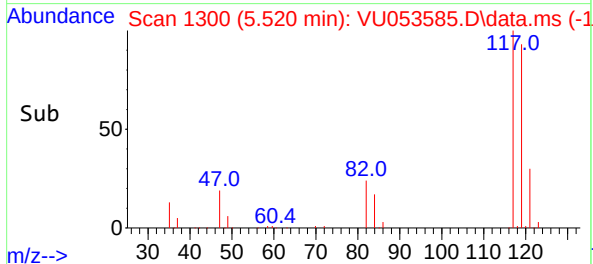
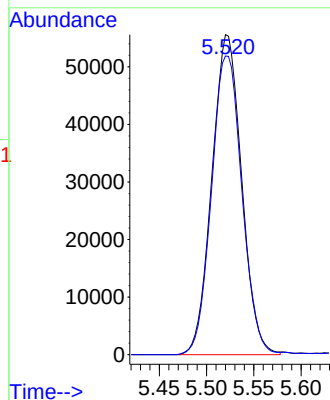
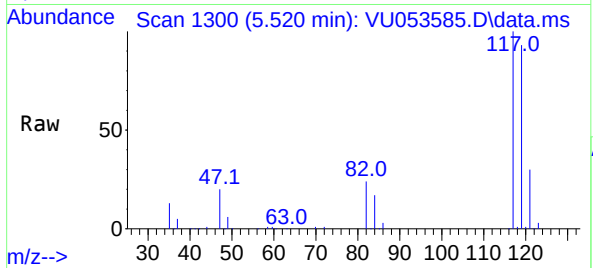




#31
Carbon tetrachloride
Concen: 49.072 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

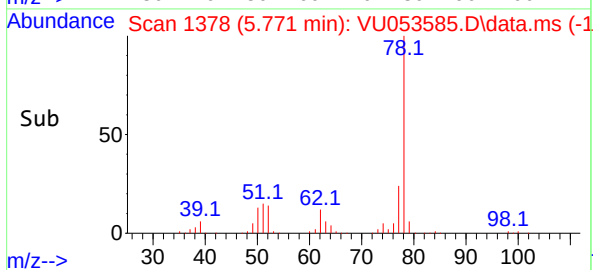
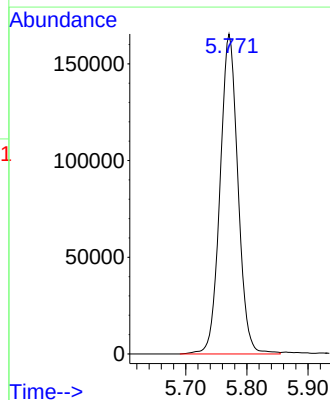
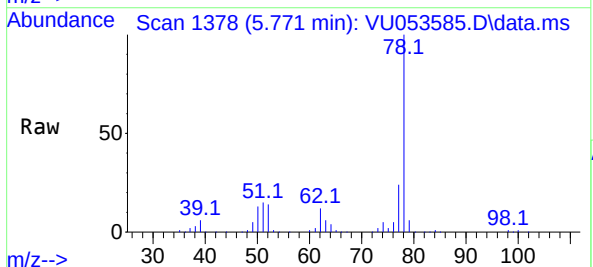
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

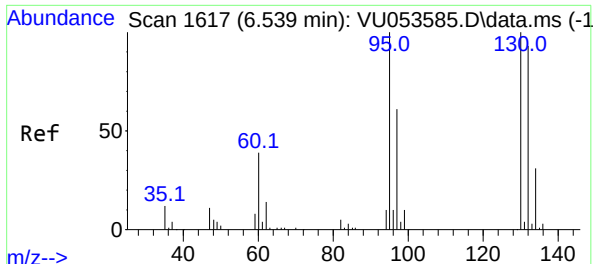
Tgt Ion:117 Resp: 121383
Ion Ratio Lower Upper
117 100
119 95.6 76.9 115.3



#33
Benzene
Concen: 51.574 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 78 Resp: 336683



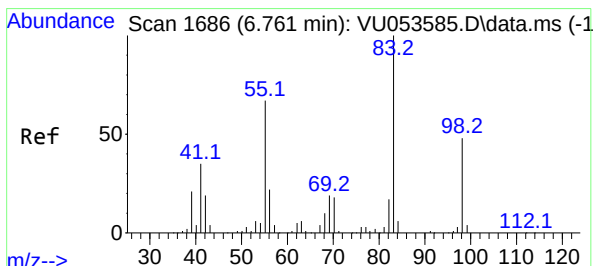
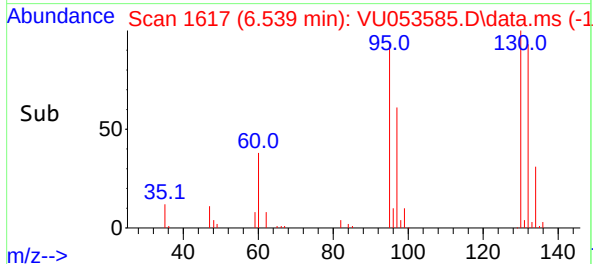
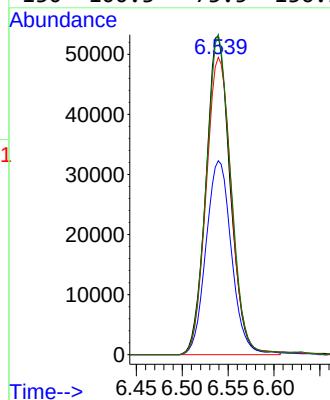
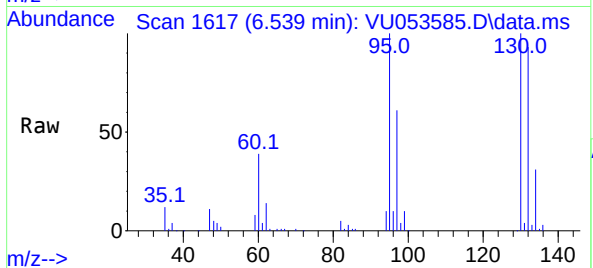


#34
Trichloroethene
Concen: 49.720 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

Tgt Ion: 95 Resp: 98169

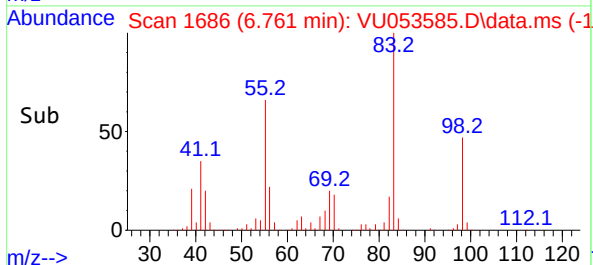
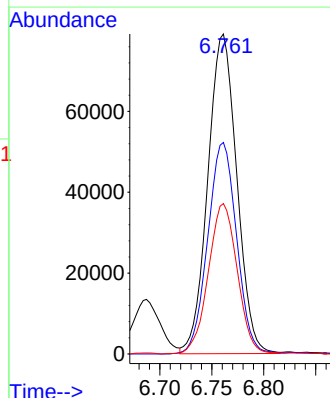
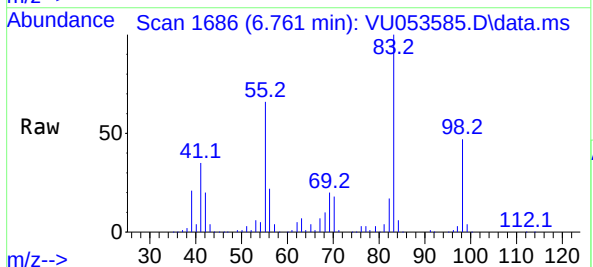
Ion	Ratio	Lower	Upper
95	100		
97	60.8	45.1	83.7
132	93.2	74.1	137.5
130	100.3	73.5	136.5

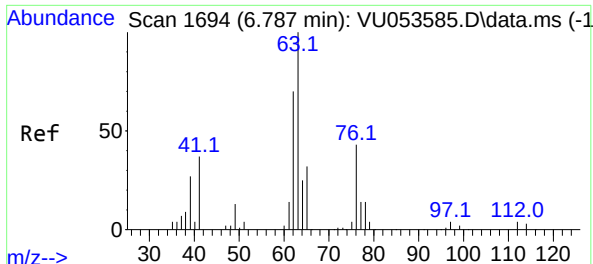


#35
Methylcyclohexane
Concen: 52.935 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 83 Resp: 153633

Ion	Ratio	Lower	Upper
83	100		
55	65.8	53.0	79.6
98	46.9	39.0	58.6

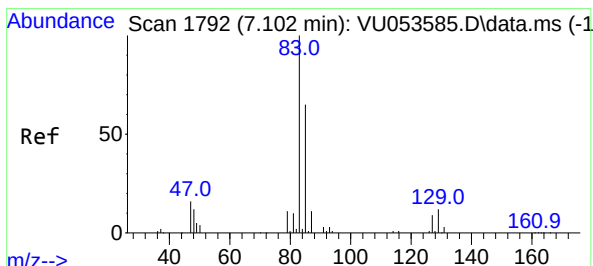
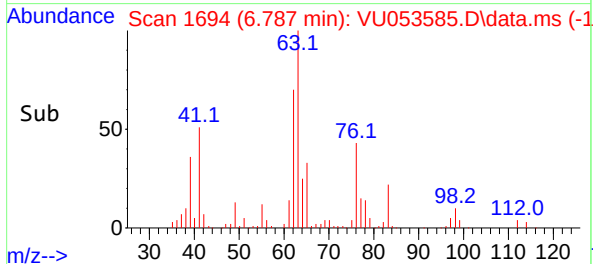
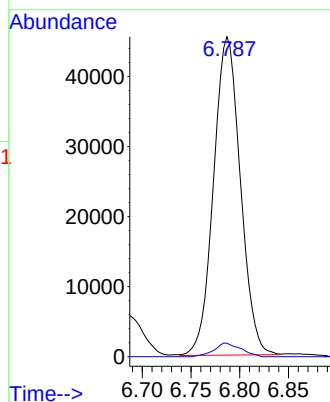
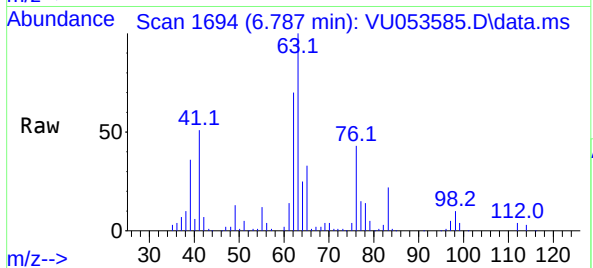




#37
1,2-Dichloropropane
Concen: 52.523 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

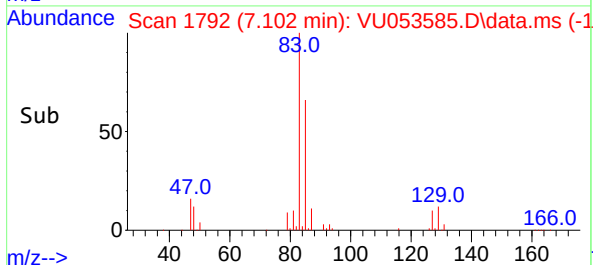
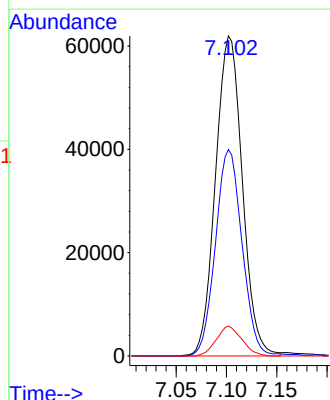
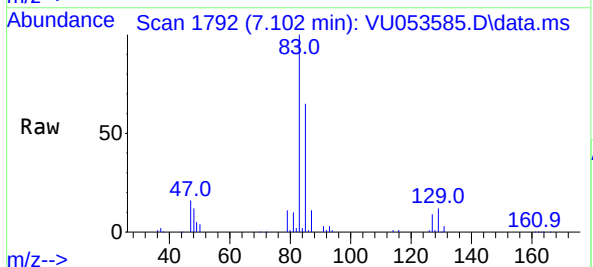
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

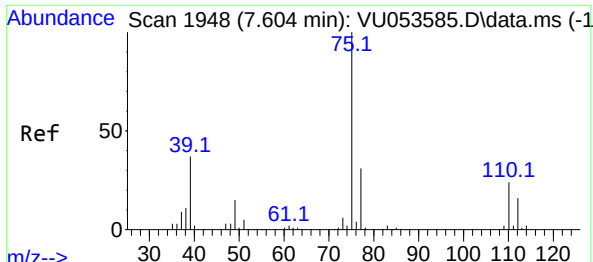
Tgt Ion: 63 Resp: 87062
Ion Ratio Lower Upper
63 100
112 4.3 3.8 5.6



#38
Bromodichloromethane
Concen: 52.049 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 83 Resp: 115096
Ion Ratio Lower Upper
83 100
85 64.5 44.4 82.5
127 9.4 8.0 12.0

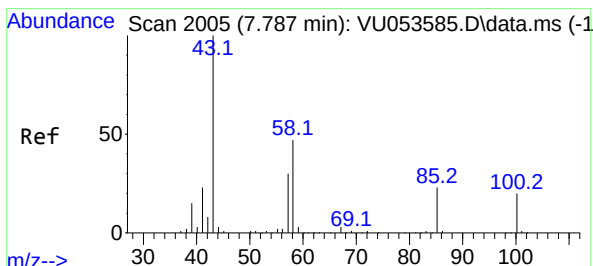
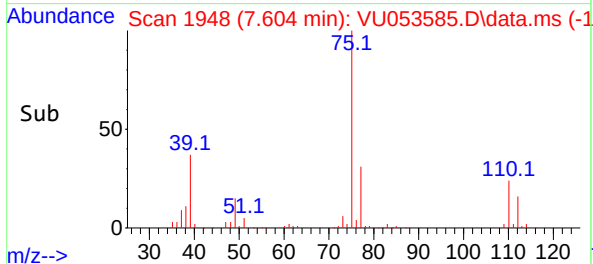
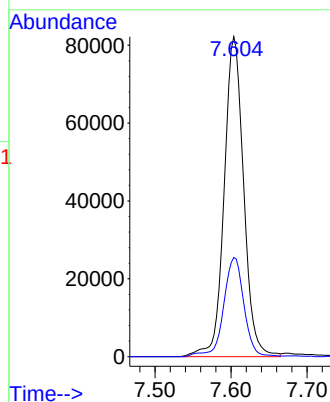
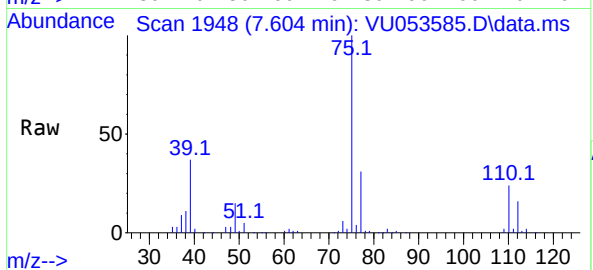




#39
 cis-1,3-Dichloropropene
 Concen: 54.112 ug/L
 RT: 7.604 min Scan# 1948
 Delta R.T. 0.003 min
 Lab File: VU053585.D
 Acq: 06 Apr 2023 10:45

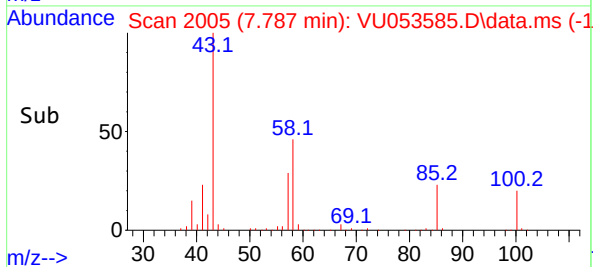
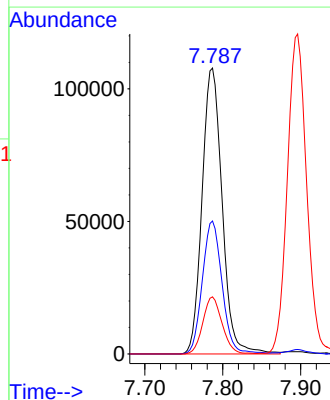
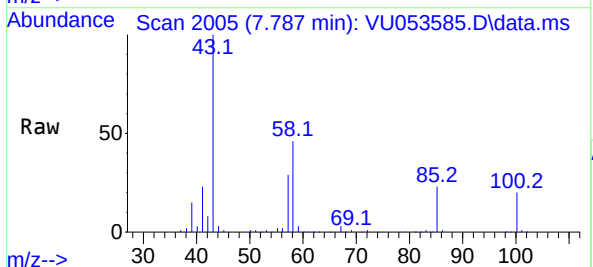
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050187

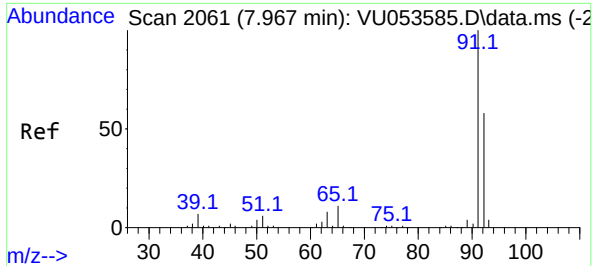
Tgt Ion: 75 Resp: 146574
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 107.432 ug/L
 RT: 7.787 min Scan# 2005
 Delta R.T. 0.003 min
 Lab File: VU053585.D
 Acq: 06 Apr 2023 10:45

Tgt Ion: 43 Resp: 193518
 Ion Ratio Lower Upper
 43 100
 58 45.7 35.5 53.3
 100 19.0 15.8 23.8





#42

Toluene

Concen: 49.823 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU053585.D

Acq: 06 Apr 2023 10:45

Instrument :

MSVOA_U

ClientSampleId :

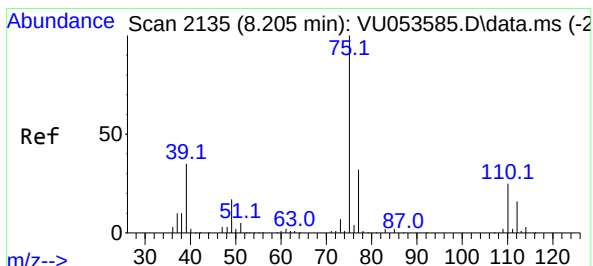
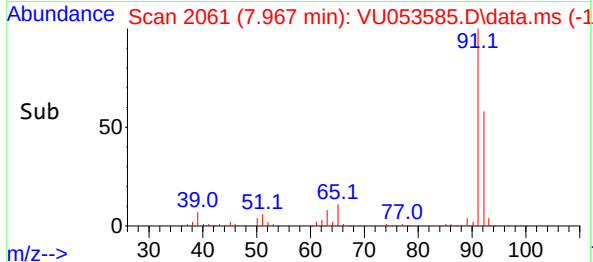
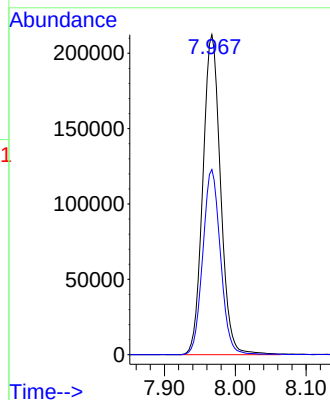
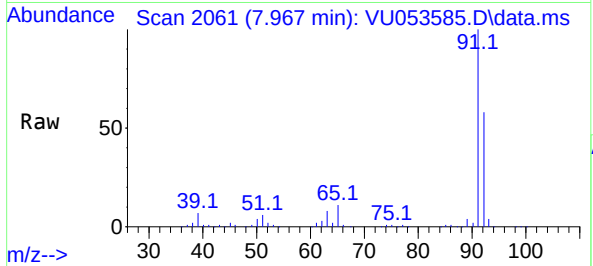
VSTD050187

Tgt Ion: 91 Resp: 368589

Ion Ratio Lower Upper

91 100

92 57.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 53.759 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053585.D

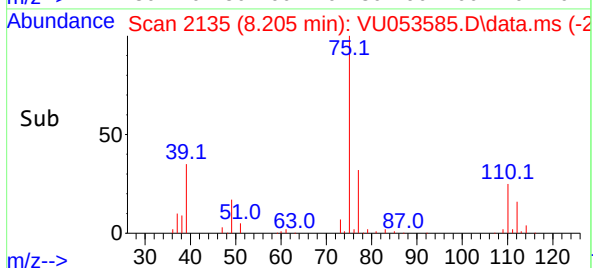
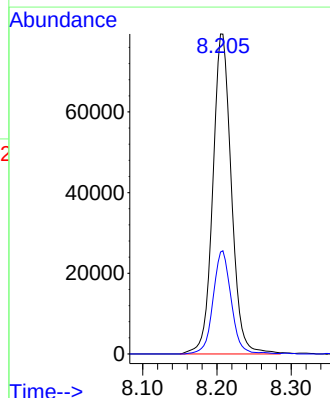
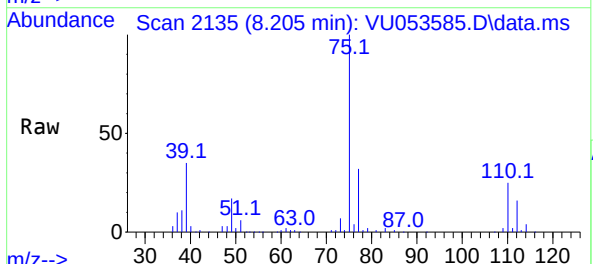
Acq: 06 Apr 2023 10:45

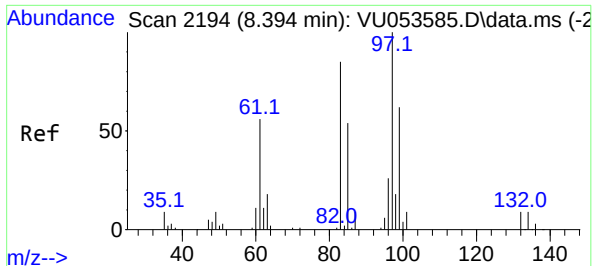
Tgt Ion: 75 Resp: 137660

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.4



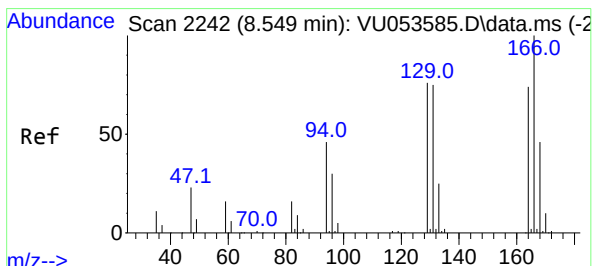
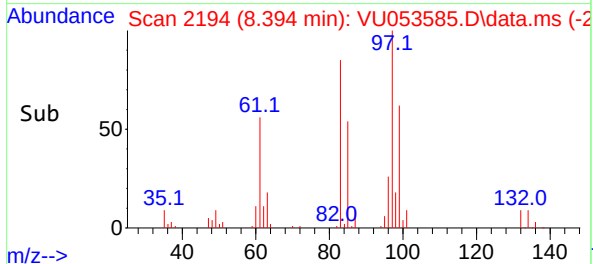
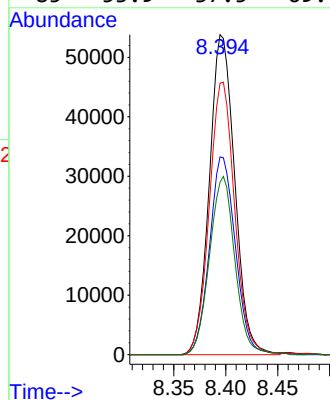
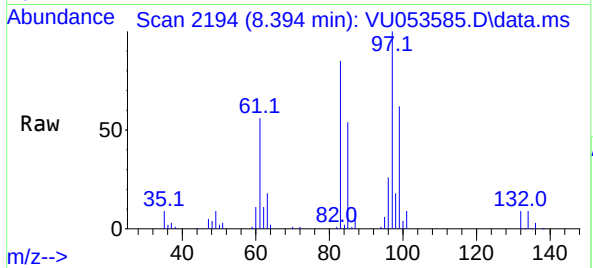


#45
1,1,2-Trichloroethane
Concen: 50.281 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

Tgt Ion: 97 Resp: 91508

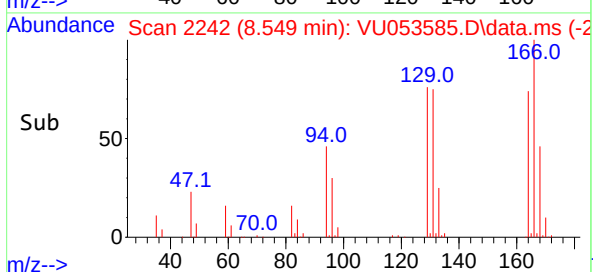
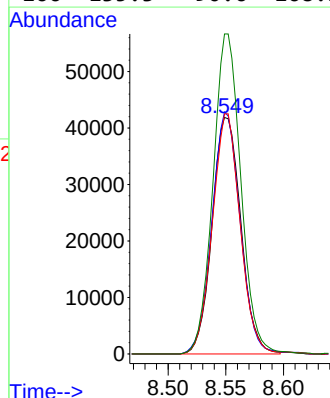
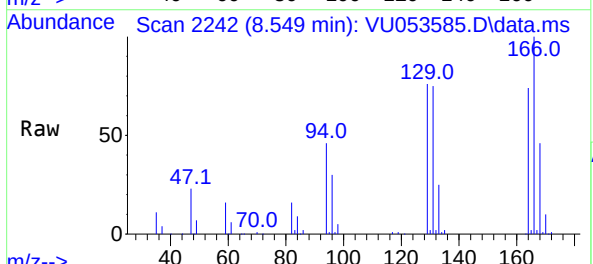
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.8	81.3
83	84.8	59.0	109.6
85	53.9	37.5	69.7

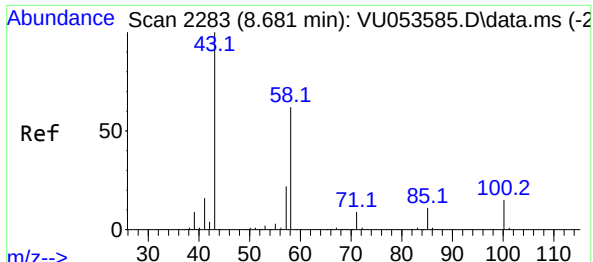


#46
Tetrachloroethene
Concen: 44.087 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 164 Resp: 72234

Ion	Ratio	Lower	Upper
164	100		
129	102.3	64.0	119.0
131	101.5	61.9	115.1
166	135.3	90.6	168.2



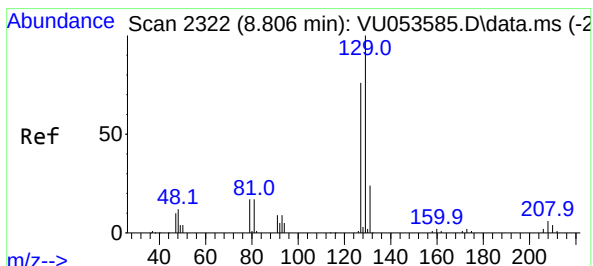
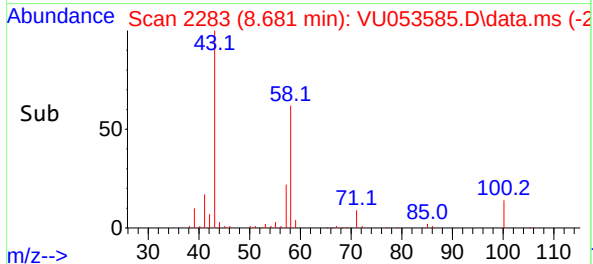
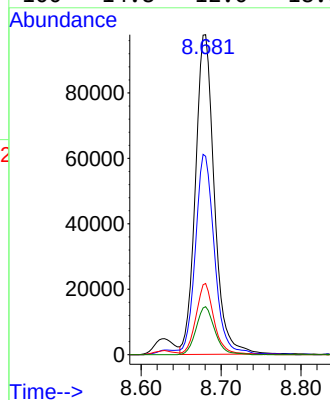
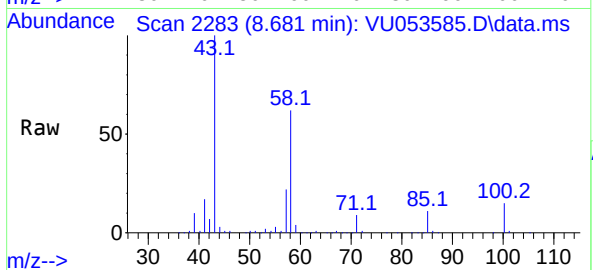


#48
2-Hexanone
Concen: 110.542 ug/L
RT: 8.681 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

Tgt Ion: 43 Resp: 161071

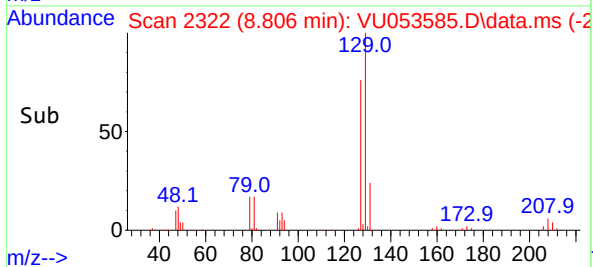
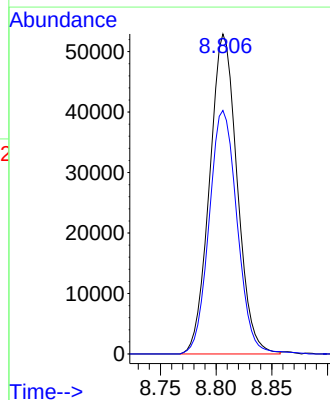
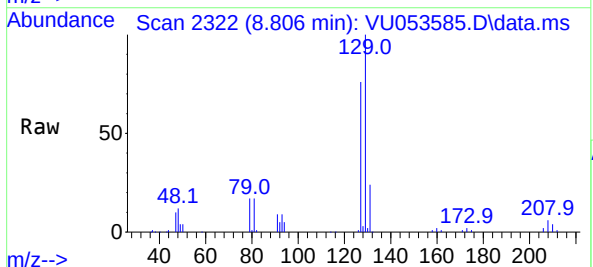
Ion	Ratio	Lower	Upper
43	100		
58	62.2	49.8	74.6
57	21.4	17.8	26.6
100	14.8	12.0	18.0

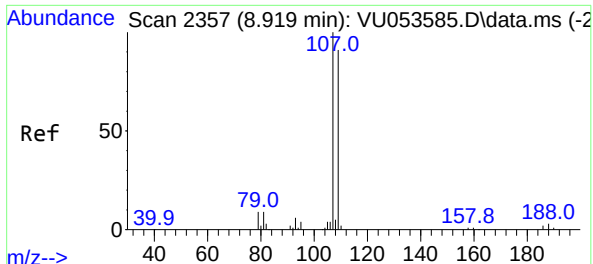


#49
Dibromochloromethane
Concen: 48.185 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 129 Resp: 91183

Ion	Ratio	Lower	Upper
129	100		
127	76.1	53.5	99.3





#50

1,2-Dibromoethane

Concen: 48.779 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053585.D

Acq: 06 Apr 2023 10:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050187

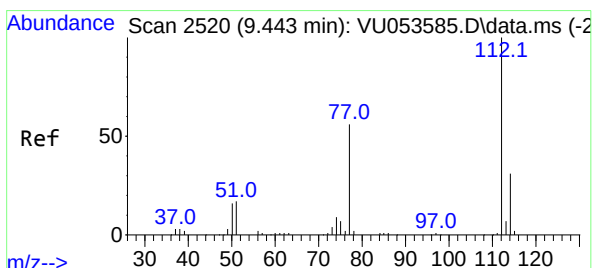
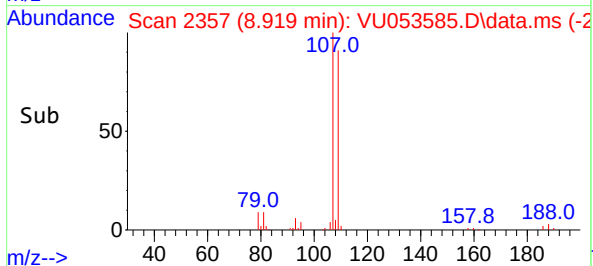
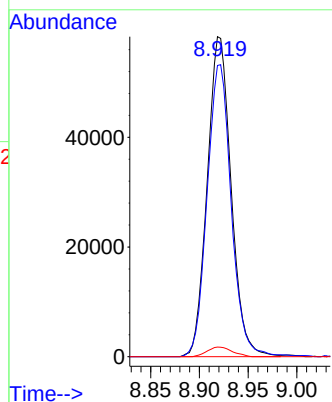
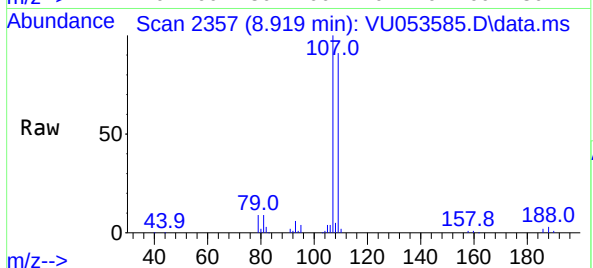
Tgt Ion:107 Resp: 99319

Ion Ratio Lower Upper

107 100

109 91.0 66.3 123.1

188 3.0 3.0 4.4



#51

Chlorobenzene

Concen: 48.341 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053585.D

Acq: 06 Apr 2023 10:45

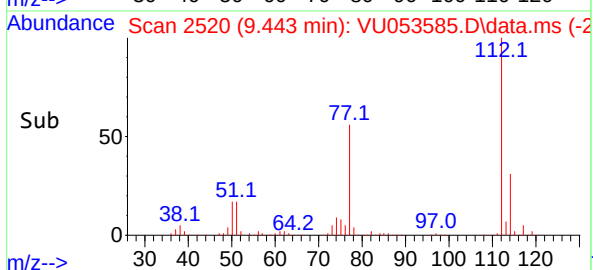
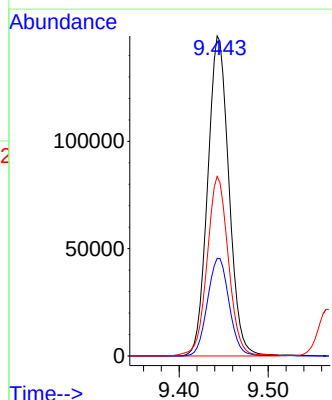
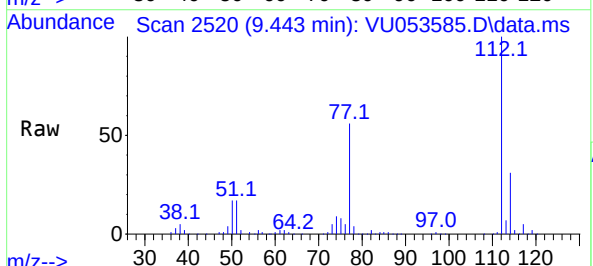
Tgt Ion:112 Resp: 246406

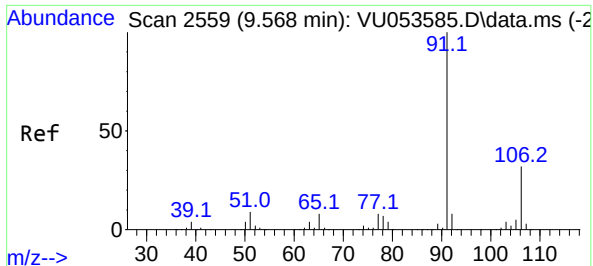
Ion Ratio Lower Upper

112 100

114 30.5 22.2 41.2

77 56.1 41.3 61.9

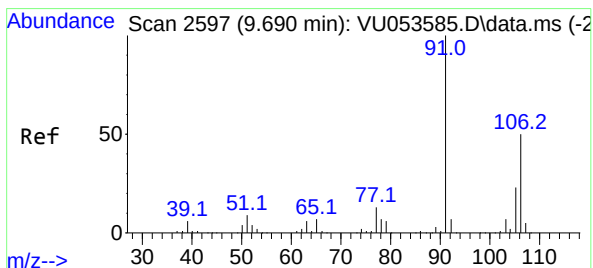
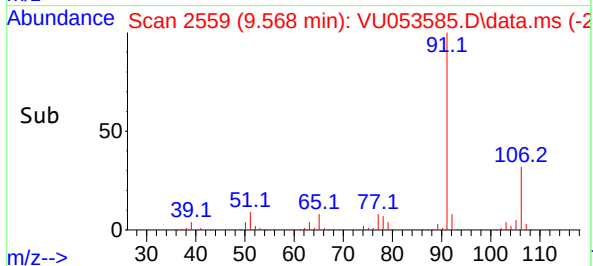
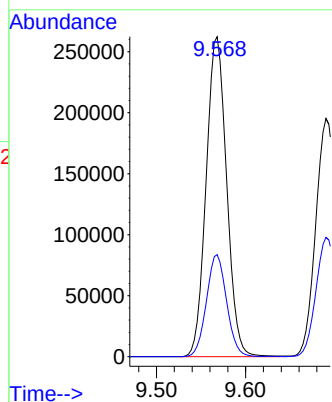
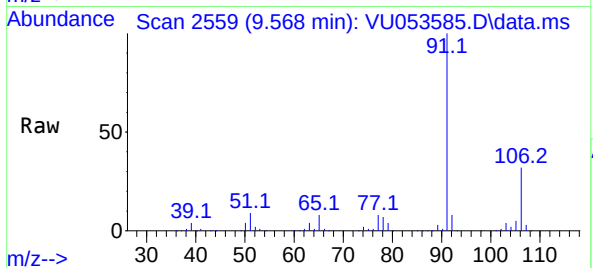




#52
Ethylbenzene
Concen: 50.900 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

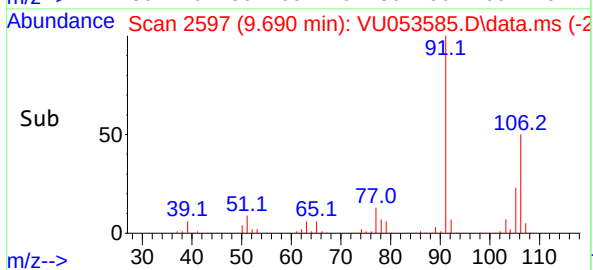
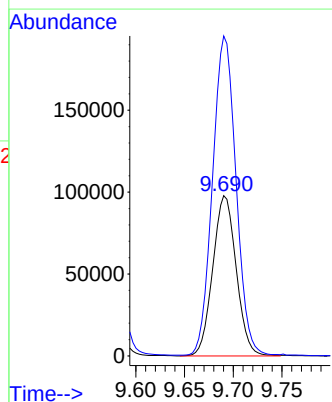
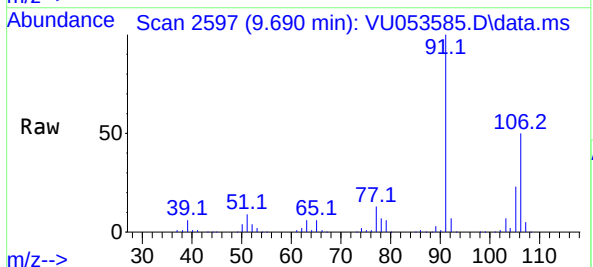
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

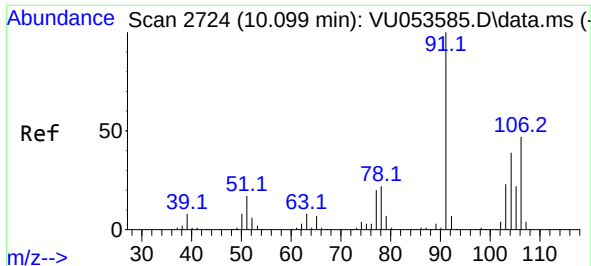
Tgt Ion: 91 Resp: 419183
Ion Ratio Lower Upper
91 100
106 31.9 22.4 41.6



#53
m,p-Xylene
Concen: 50.818 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion:106 Resp: 163677
Ion Ratio Lower Upper
106 100
91 199.5 140.0 260.0

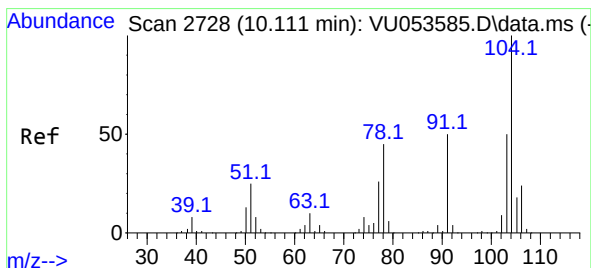
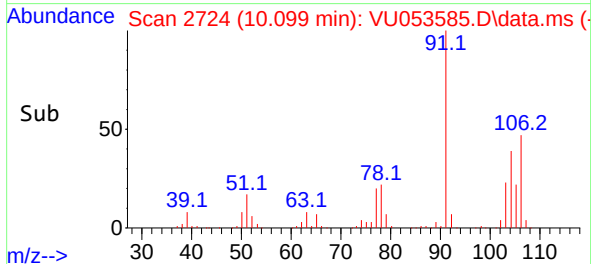
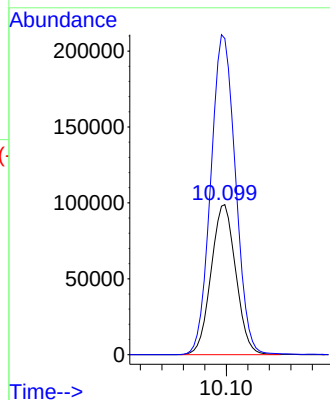
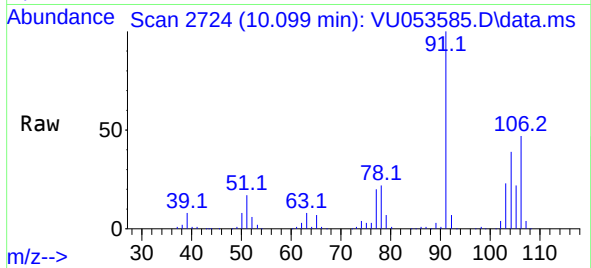




#54
o-xylene
Concen: 49.573 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

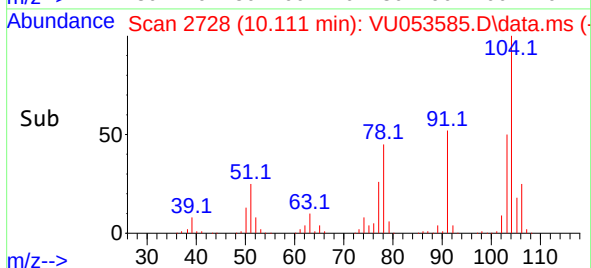
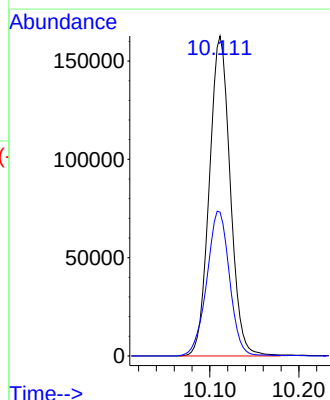
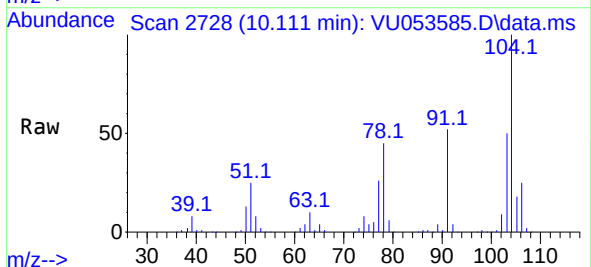
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

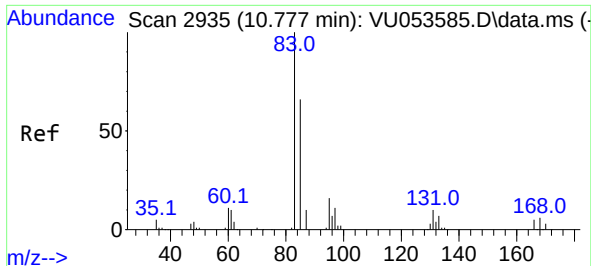
Tgt Ion:106 Resp: 157864
Ion Ratio Lower Upper
106 100
91 210.7 144.9 269.1



#55
Styrene
Concen: 51.090 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion:104 Resp: 264995
Ion Ratio Lower Upper
104 100
78 44.9 31.3 58.1

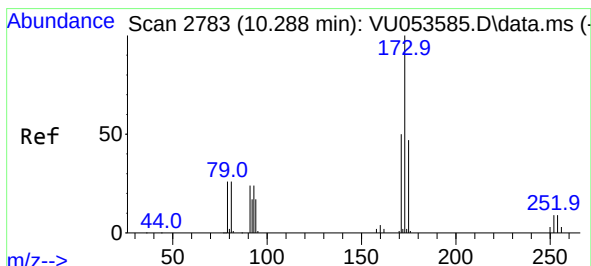
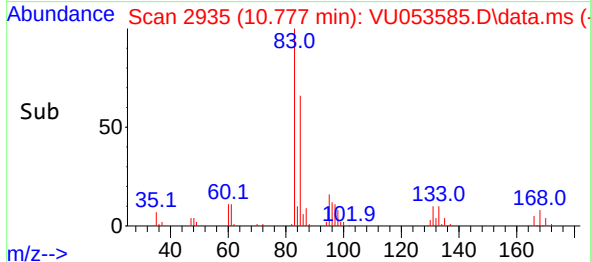
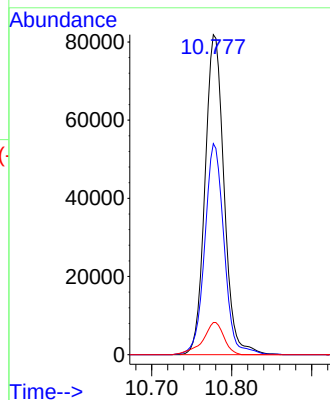
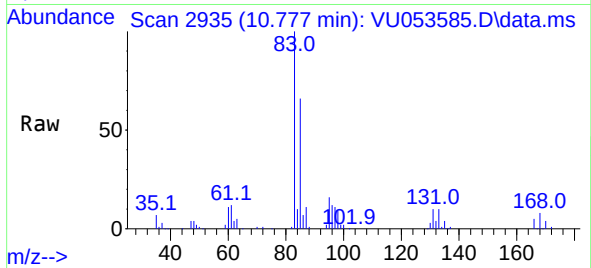




#57
1,1,2,2-Tetrachloroethane
Concen: 50.827 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

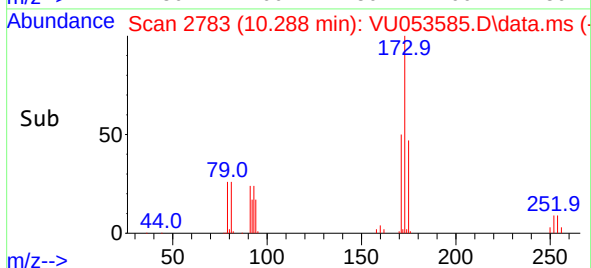
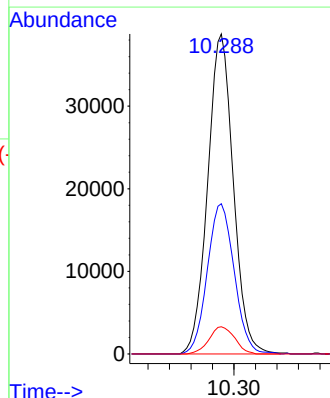
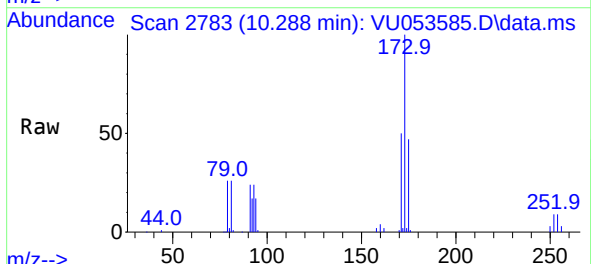
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

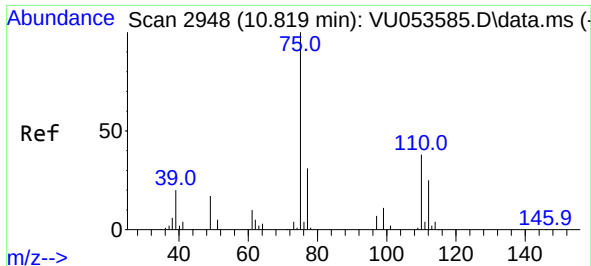
Tgt Ion: 83 Resp: 135814
Ion Ratio Lower Upper
83 100
85 65.9 47.0 87.4
131 10.0 8.7 13.1



#59
Bromoform
Concen: 45.209 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 173 Resp: 64121
Ion Ratio Lower Upper
173 100
175 49.3 39.0 58.6
254 8.5 7.0 10.4

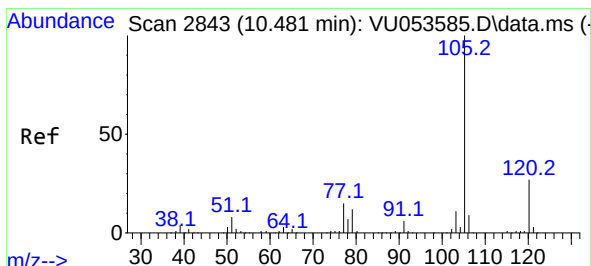
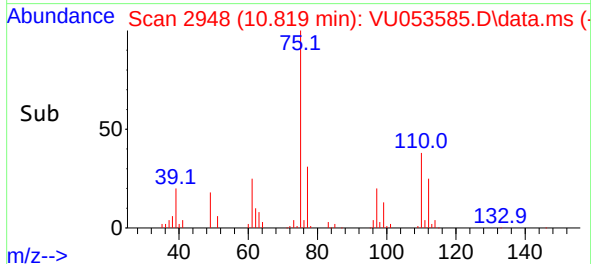
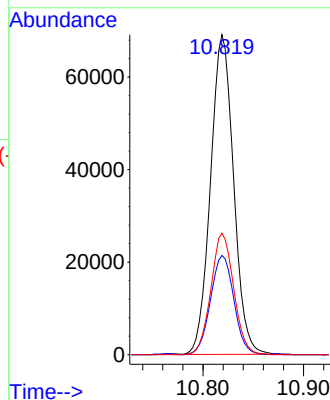
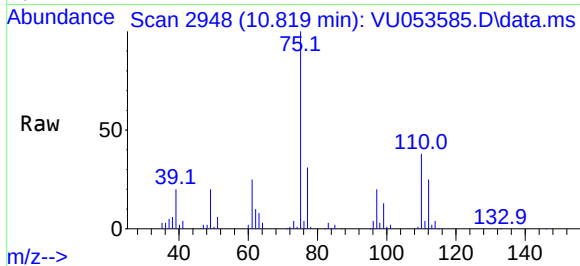




#60
1,2,3-Trichloropropane
Concen: 54.777 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

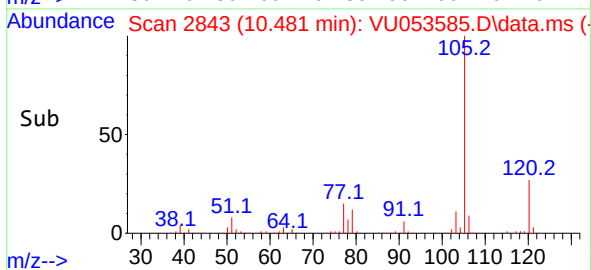
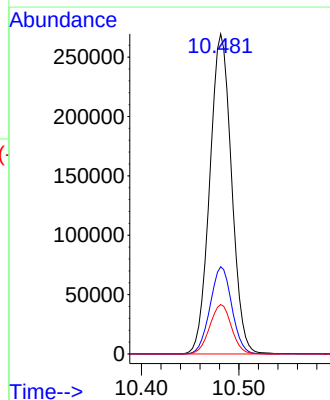
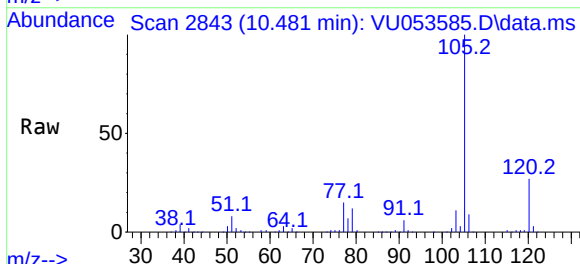
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

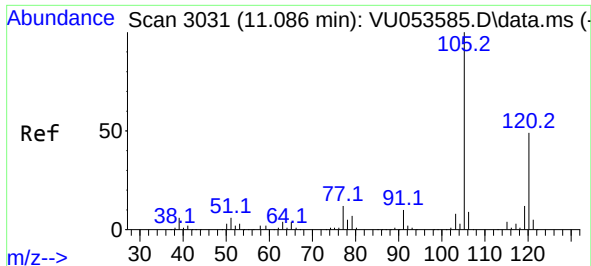
Tgt Ion: 75 Resp: 110058
Ion Ratio Lower Upper
75 100
77 31.5 26.0 39.0
110 37.6 32.6 48.8



#61
Isopropylbenzene
Concen: 51.094 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion: 105 Resp: 418590
Ion Ratio Lower Upper
105 100
120 27.3 22.4 33.6
77 15.4 12.1 18.1

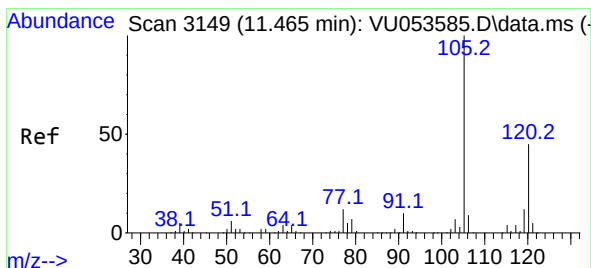
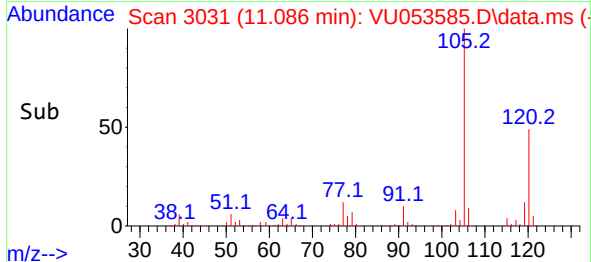
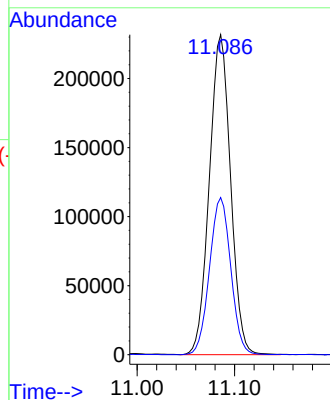
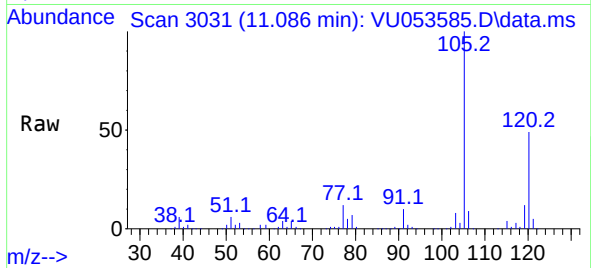




#62
1,3,5-Trimethylbenzene
Concen: 51.480 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

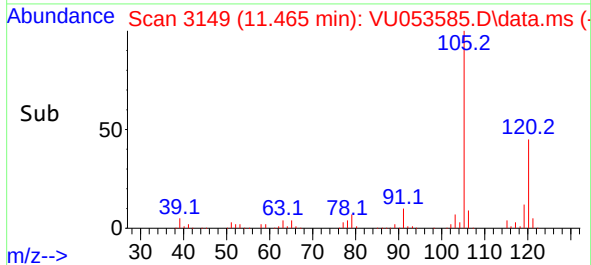
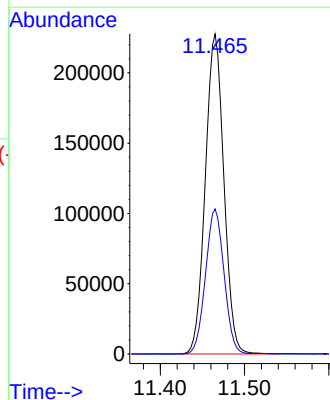
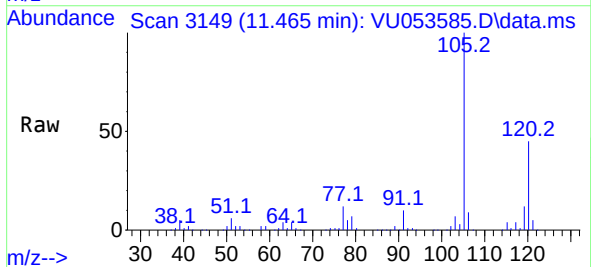
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

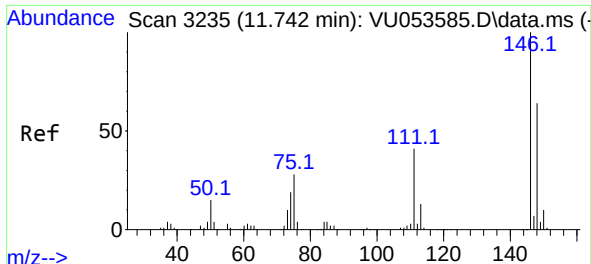
Tgt Ion:105 Resp: 350596
Ion Ratio Lower Upper
105 100
120 49.1 39.5 59.3



#63
1,2,4-Trimethylbenzene
Concen: 51.847 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion:105 Resp: 349721
Ion Ratio Lower Upper
105 100
120 45.2 37.5 56.3

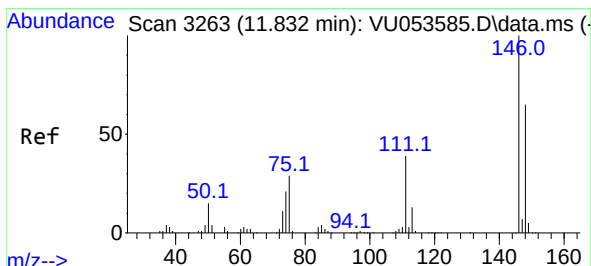
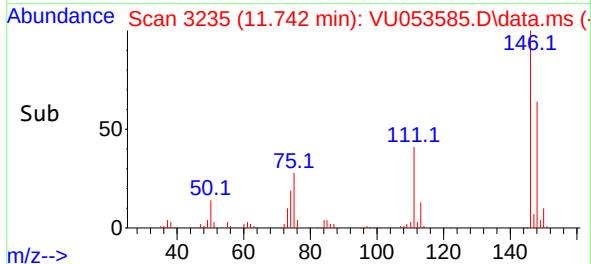
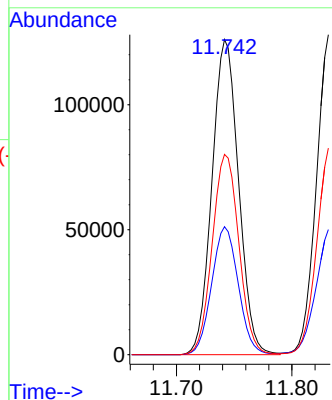
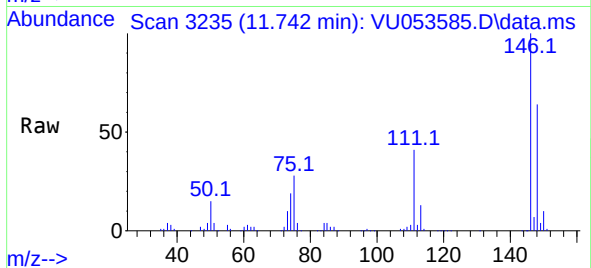




#64
1,3-Dichlorobenzene
Concen: 47.064 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

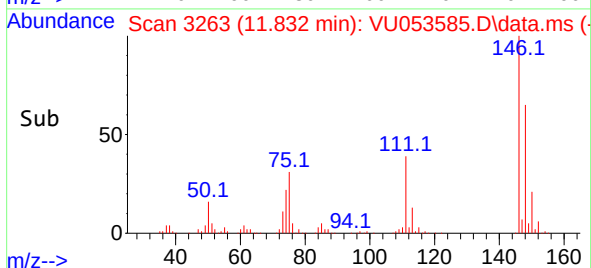
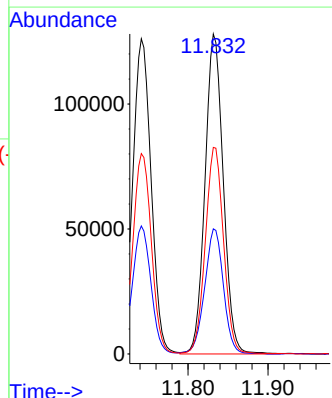
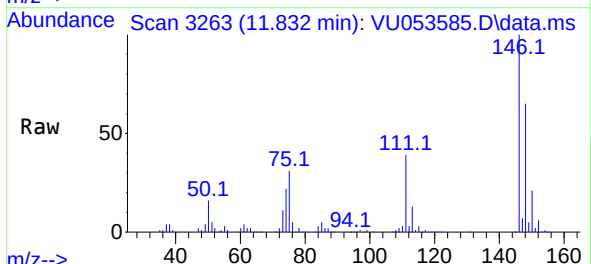
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

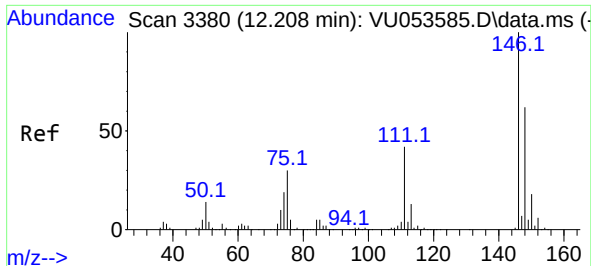
Tgt Ion:146 Resp: 201474
Ion Ratio Lower Upper
146 100
111 40.6 25.7 47.7
148 63.6 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 46.650 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion:146 Resp: 203533
Ion Ratio Lower Upper
146 100
111 39.1 25.1 46.5
148 64.6 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 47.251 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053585.D

Acq: 06 Apr 2023 10:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050187

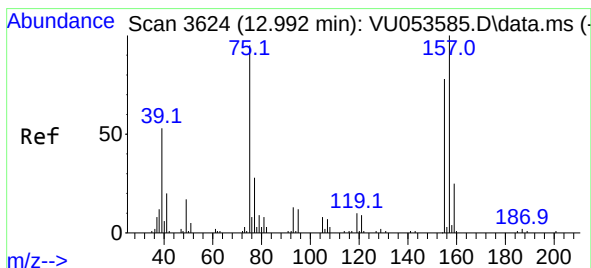
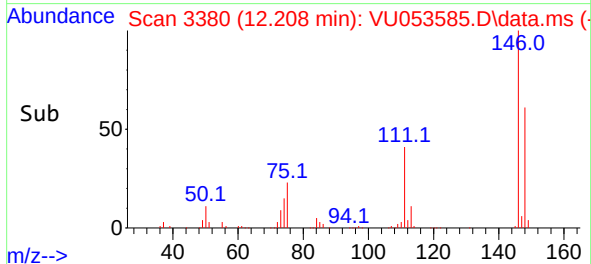
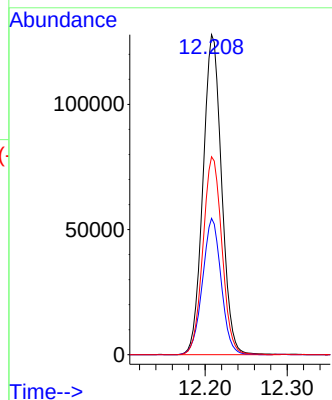
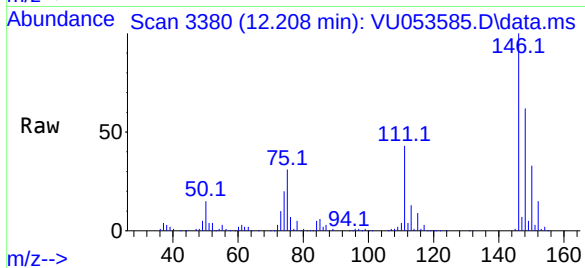
Tgt Ion:146 Resp: 201594

Ion Ratio Lower Upper

146 100

111 42.6 31.5 47.3

148 61.8 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 56.364 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053585.D

Acq: 06 Apr 2023 10:45

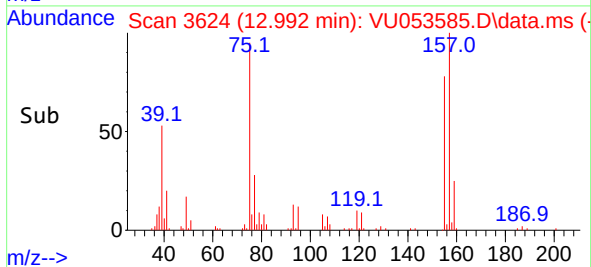
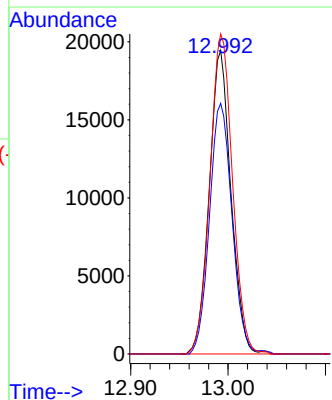
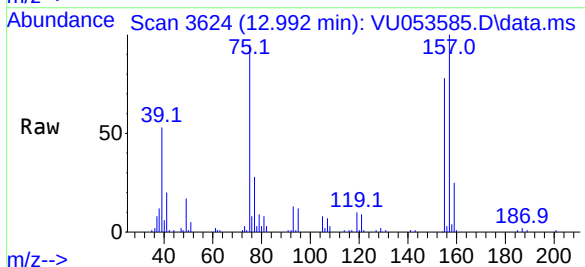
Tgt Ion: 75 Resp: 30190

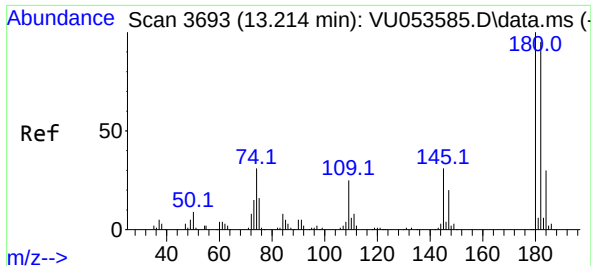
Ion Ratio Lower Upper

75 100

155 82.5 79.9 119.9

157 105.4 100.8 151.2



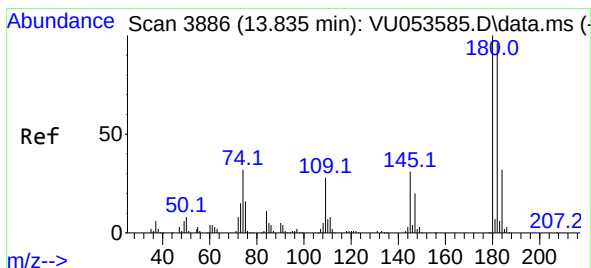
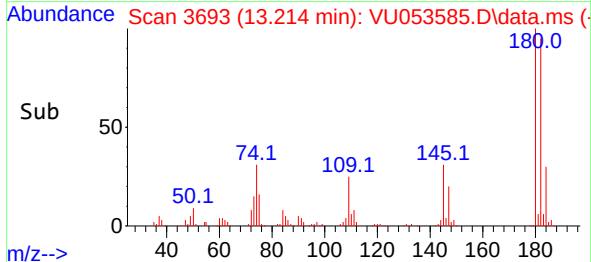
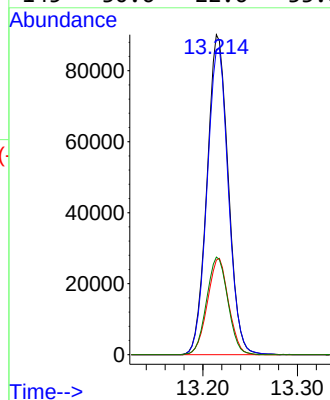
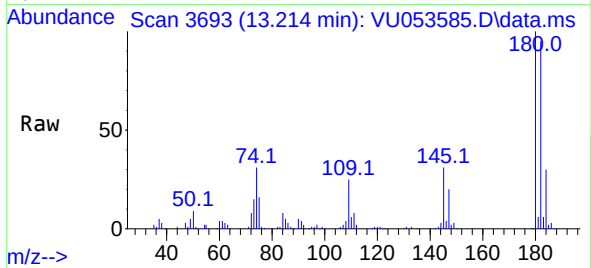


#69
 1,3,5-Trichlorobenzene
 Concen: 44.390 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053585.D
 Acq: 06 Apr 2023 10:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050187

Tgt Ion:180 Resp: 140718

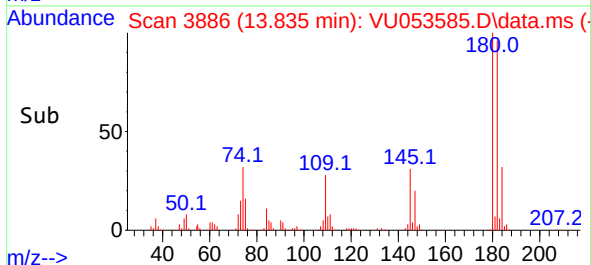
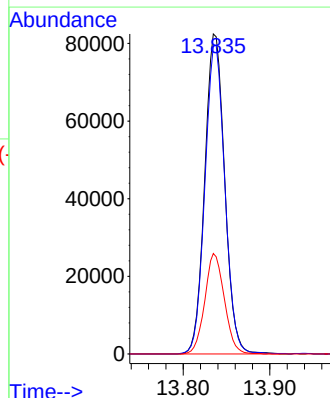
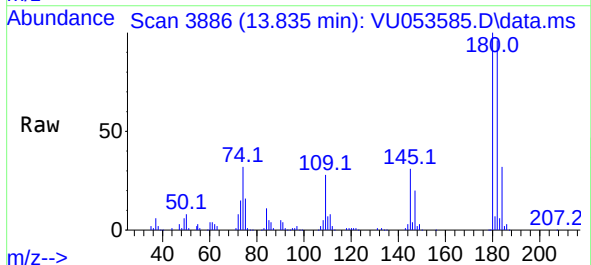
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.6	113.4
184	29.9	24.2	36.2
145	30.6	22.6	33.8

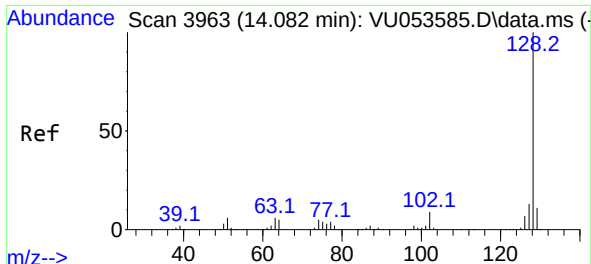


#70
 1,2,4-trichlorobenzene
 Concen: 44.883 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053585.D
 Acq: 06 Apr 2023 10:45

Tgt Ion:180 Resp: 131913

Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.8	113.8
145	30.8	23.4	35.2



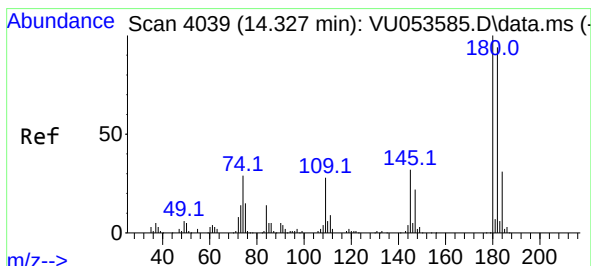
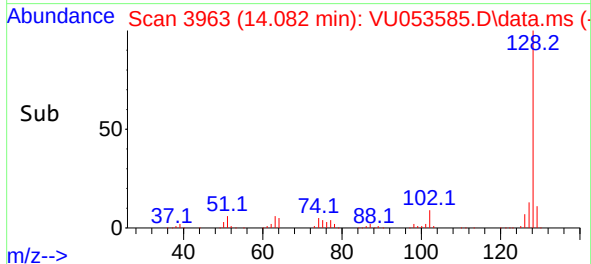
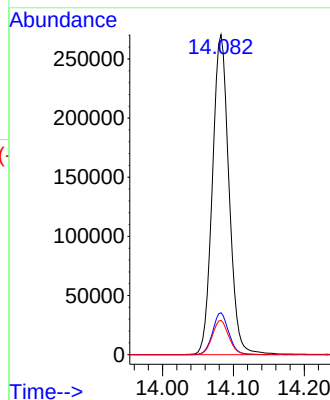
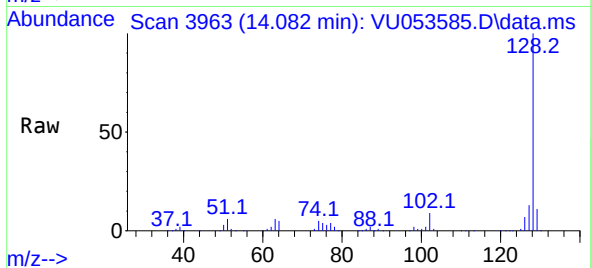


#71
Naphthalene
Concen: 49.964 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

Tgt Ion:128 Resp: 439542

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 44.472 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053585.D
Acq: 06 Apr 2023 10:45

Tgt Ion:180 Resp: 130550

Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.0	115.6
145	32.1	25.4	38.0

