

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU043023\
 Data File : VU053983.D
 Acq On : 29 Apr 2023 13:40
 Operator : JC/MD
 Sample : VSTD05019
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050019

Quant Time: May 01 01:52:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 01 01:49:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	281880	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.410	117	258280	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	139416	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	104417	48.088	ug/L	0.00
7) Chloroethane-d5	1.912	69	69000	42.226	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	185418	53.665	ug/L	0.00
21) 2-Butanone-d5	4.626	46	123405	119.003	ug/L	0.00
24) Chloroform-d	5.057	84	192695	52.469	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	123344	56.016	ug/L	0.00
32) Benzene-d6	5.722	84	377151	53.271	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	119400	54.604	ug/L	0.00
41) Toluene-d8	7.893	98	349143	50.296	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	60524	53.688	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	88056	116.632	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	156721	51.795	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	135799	46.938	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	99084	44.539	ug/L	100
3) Chloromethane	1.520	50	91572	49.208	ug/L	100
5) Vinyl chloride	1.604	62	98642	46.215	ug/L	100
6) Bromomethane	1.858	94	54311	36.558	ug/L	100
8) Chloroethane	1.932	64	52212	41.266	ug/L	100
9) Trichlorofluoromethane	2.134	101	152736	46.578	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	93026	48.515	ug/L	100
12) 1,1-Dichloroethene	2.578	96	80939	47.395	ug/L	100
13) Acetone	2.639	43	118166	123.435	ug/L	100
14) Carbon disulfide	2.790	76	177154	40.607	ug/L	100
15) Methyl Acetate	2.948	43	93797	64.403	ug/L	100
16) Methylene chloride	3.044	84	97122	49.677	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	81908	47.790	ug/L	100
18) Methyl tert-butyl Ether	3.359	73	302083	57.536	ug/L	100
19) 1,1-Dichloroethane	3.864	63	176668	58.864	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	100895	50.275	ug/L	100
22) 2-Butanone	4.703	43	142337	123.987	ug/L	100
23) Bromochloromethane	4.970	128	53271	48.289	ug/L	100
25) Chloroform	5.083	83	188724	55.783	ug/L	100
27) 1,2-Dichloroethane	5.787	62	143495	57.067	ug/L	100
29) Cyclohexane	5.385	56	130923	52.123	ug/L	100
30) 1,1,1-Trichloroethane	5.311	97	160084	55.091	ug/L	100
31) Carbon tetrachloride	5.520	117	137610	53.217	ug/L	100
33) Benzene	5.767	78	380135	55.236	ug/L	100
34) Trichloroethene	6.536	95	99769	49.160	ug/L	100
35) Methylcyclohexane	6.758	83	140184	47.484	ug/L	100
37) 1,2-Dichloropropane	6.783	63	105785	59.262	ug/L	100
38) Bromodichloromethane	7.099	83	133797	56.839	ug/L	100
39) cis-1,3-Dichloropropene	7.600	75	170353	58.673	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	252178	127.133	ug/L	100
42) Toluene	7.963	91	398242	51.919	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	158000	57.842	ug/L	100

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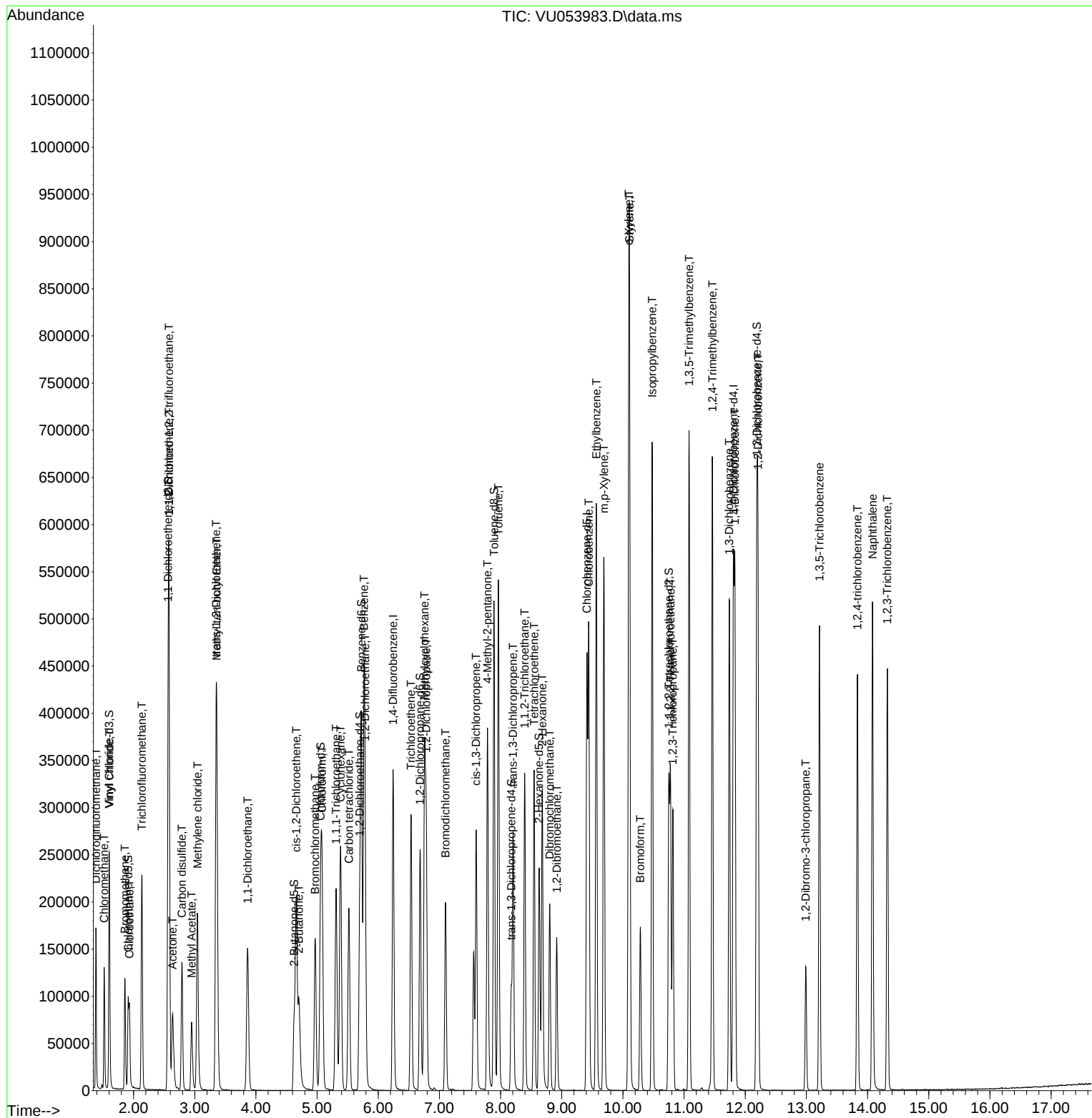
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	103097	54.120	ug/L	100
46) Tetrachloroethene	8.549	164	77233	46.547	ug/L	100
48) 2-Hexanone	8.681	43	200036	124.735	ug/L	100
49) Dibromochloromethane	8.803	129	102098	52.161	ug/L	100
50) 1,2-Dibromoethane	8.918	107	106542	50.804	ug/L	100
51) Chlorobenzene	9.443	112	258016	49.196	ug/L	100
52) Ethylbenzene	9.565	91	439882	51.529	ug/L	100
53) m,p-Xylene	9.690	106	166603	50.229	ug/L	100
54) o-Xylene	10.095	106	163952	50.110	ug/L	100
55) Styrene	10.108	104	287160	53.183	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	161628	56.712	ug/L	100
59) Bromoform	10.285	173	77659	53.523	ug/L	100
60) 1,2,3-Trichloropropane	10.815	75	126785	59.761	ug/L	100
61) Isopropylbenzene	10.478	105	444816	53.216	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	367313	53.001	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	363713	52.951	ug/L	100
64) 1,3-Dichlorobenzene	11.738	146	212841	49.371	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	213939	48.566	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	215855	50.094	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.989	75	34141	60.121	ug/L	100
69) 1,3,5-Trichlorobenzene	13.214	180	154568	48.593	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	140387	47.648	ug/L	100
71) Naphthalene	14.082	128	423053	48.164	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	142139	48.262	ug/L	100

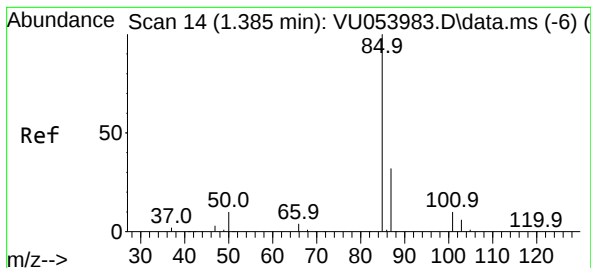
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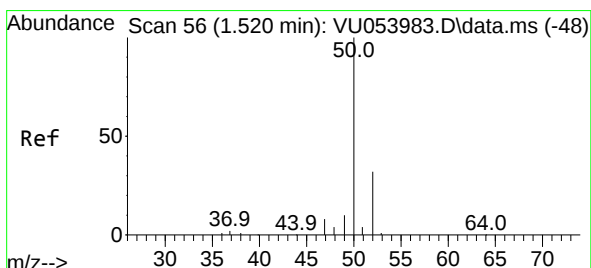
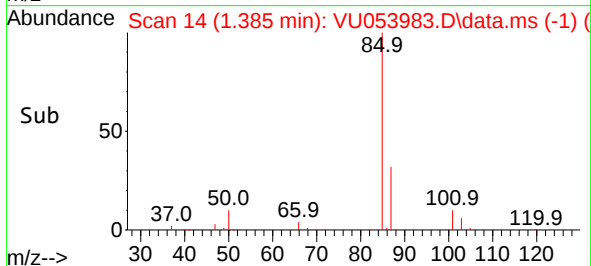
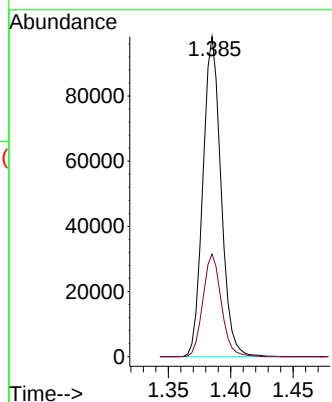
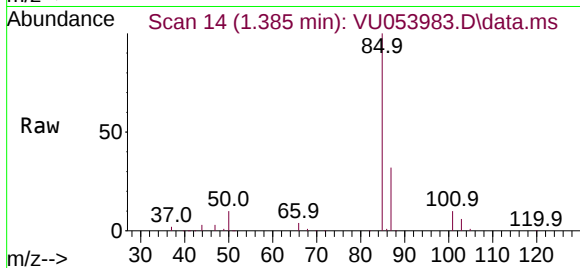




#2
Dichlorodifluoromethane
Concen: 44.539 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

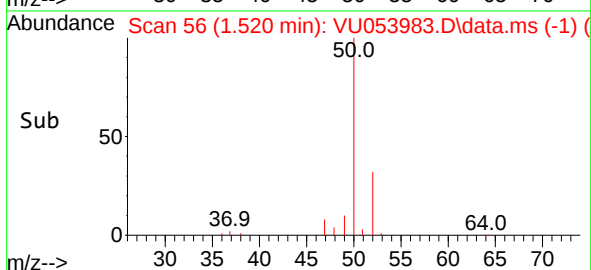
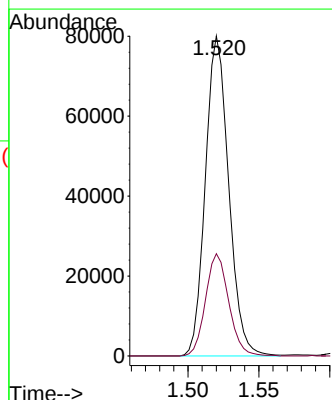
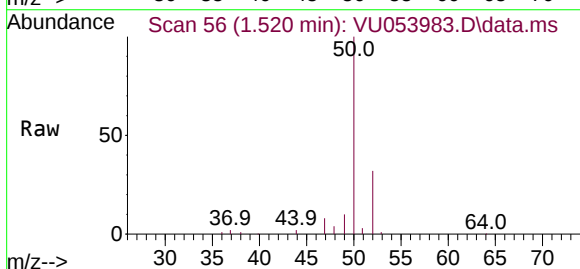
Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

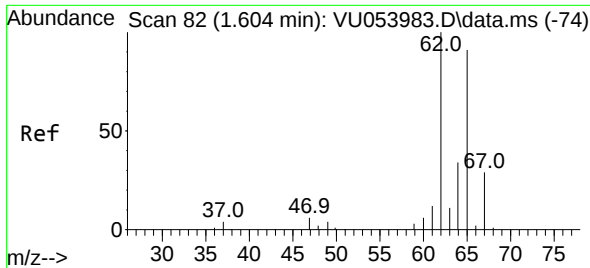
Tgt Ion: 85 Resp: 99084
Ion Ratio Lower Upper
85 100
87 32.5 26.0 39.0



#3
Chloromethane
Concen: 49.208 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion: 50 Resp: 91572
Ion Ratio Lower Upper
50 100
52 32.0 22.4 41.6

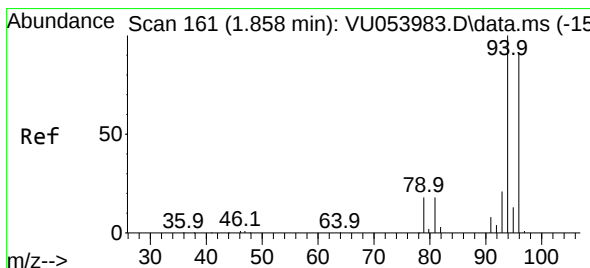
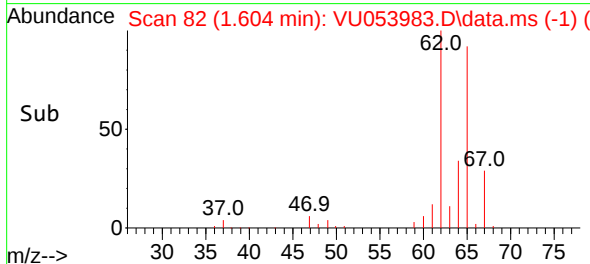
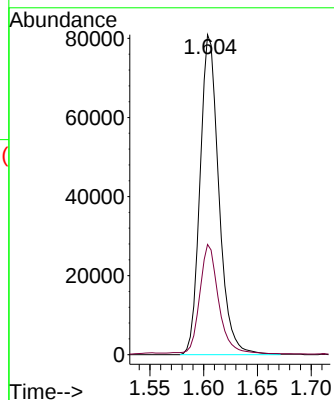
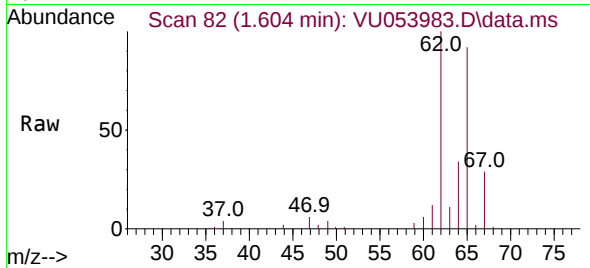




#5
 Vinyl chloride
 Concen: 46.215 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU053983.D
 Acq: 29 Apr 2023 13:40

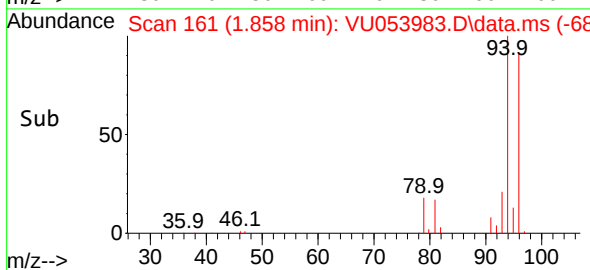
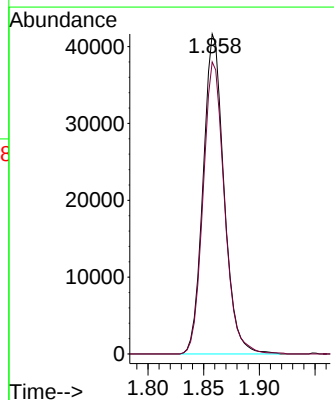
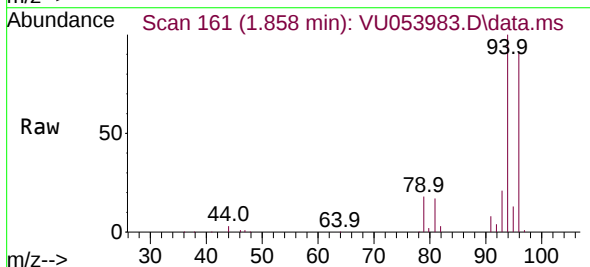
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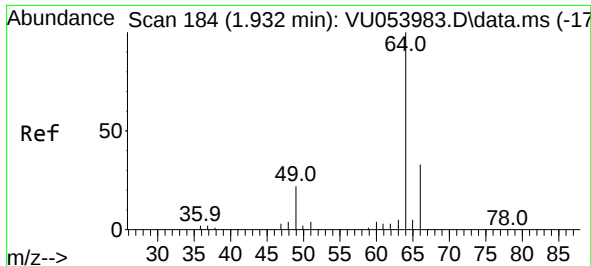
Tgt Ion: 62 Resp: 98642
 Ion Ratio Lower Upper
 62 100
 64 34.4 24.1 44.7



#6
 Bromomethane
 Concen: 36.558 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU053983.D
 Acq: 29 Apr 2023 13:40

Tgt Ion: 94 Resp: 54311
 Ion Ratio Lower Upper
 94 100
 96 91.3 63.9 118.7

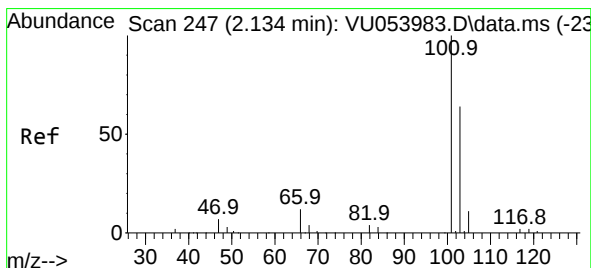
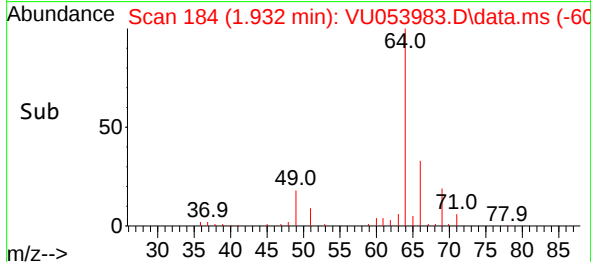
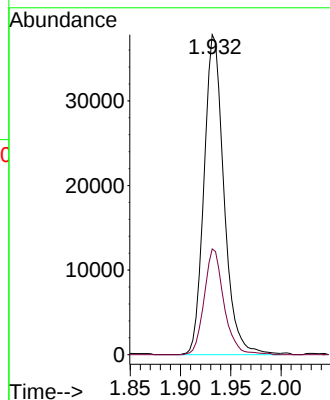
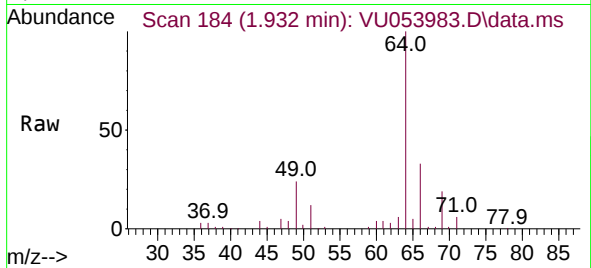




#8
Chloroethane
Concen: 41.266 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

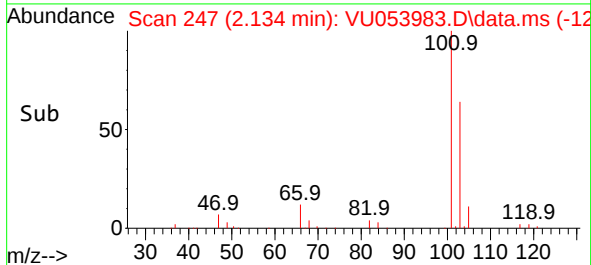
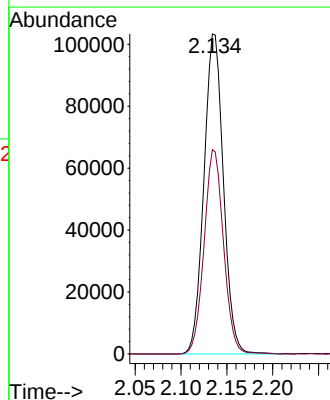
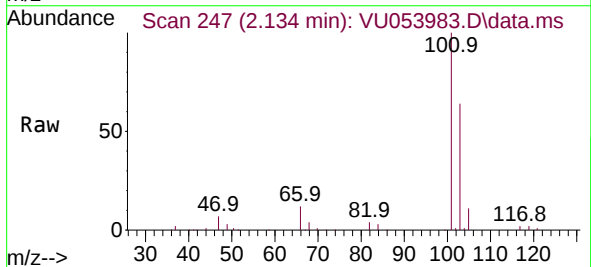
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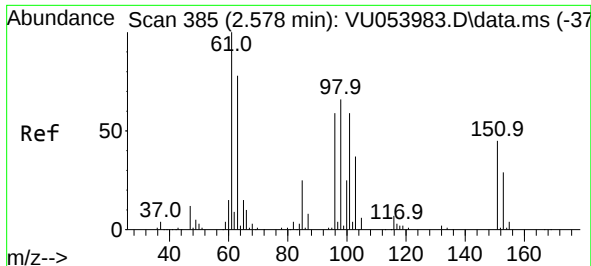
Tgt Ion: 64 Resp: 52212
Ion Ratio Lower Upper
64 100
66 33.0 23.1 42.9



#9
Trichlorofluoromethane
Concen: 46.578 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion:101 Resp: 152736
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.4

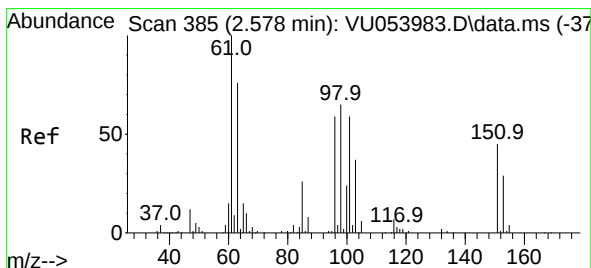
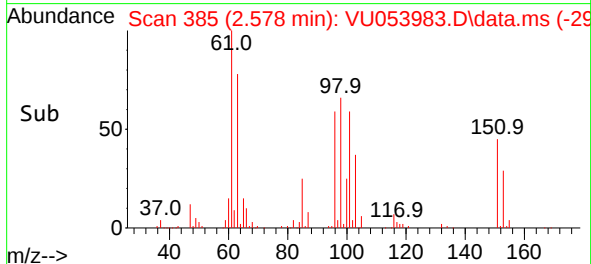
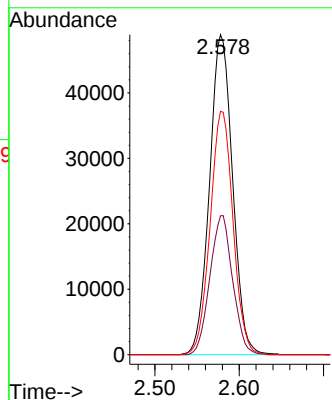
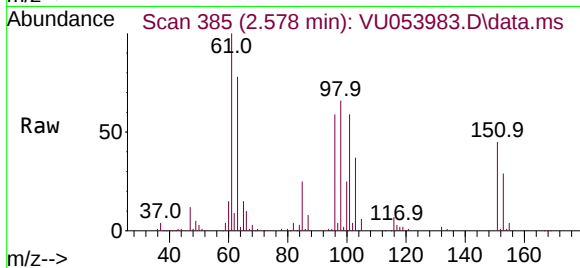




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.515 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

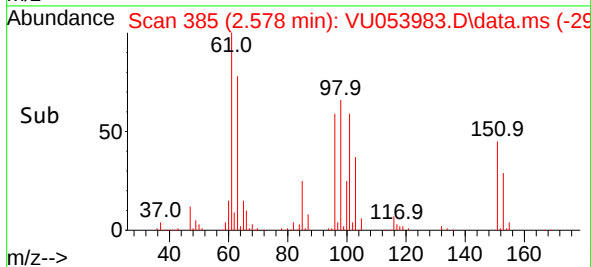
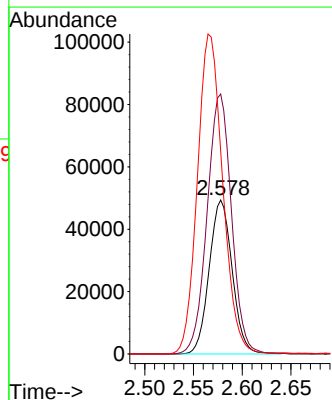
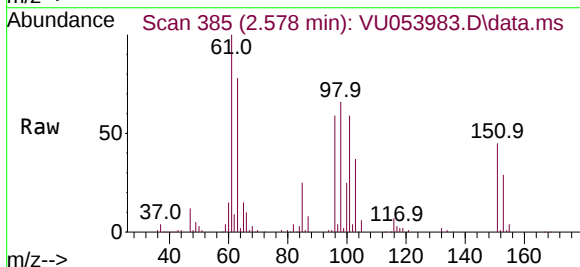
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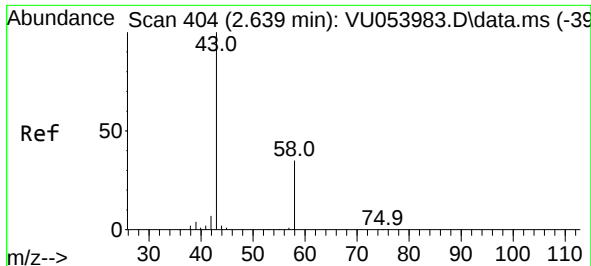
Tgt Ion:101 Resp: 93026
Ion Ratio Lower Upper
101 100
85 42.9 34.3 51.5
151 75.4 60.3 90.5



#12
1,1-Dichloroethene
Concen: 47.395 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion: 96 Resp: 80939
Ion Ratio Lower Upper
96 100
61 169.0 118.3 219.7
63 131.9 92.3 171.5





#13

Acetone

Concen: 123.435 ug/L

RT: 2.639 min Scan# 404

Delta R.T. 0.000 min

Lab File: VU053983.D

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ClientSampleId :

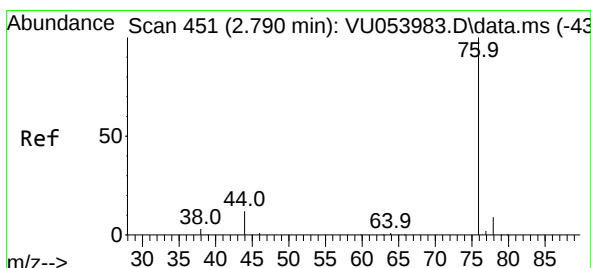
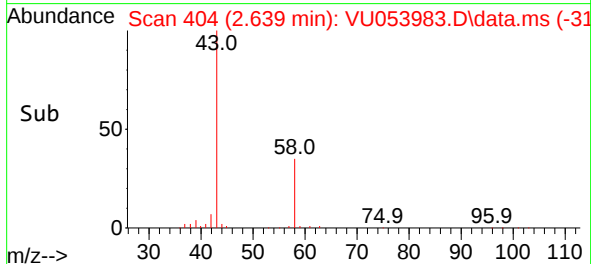
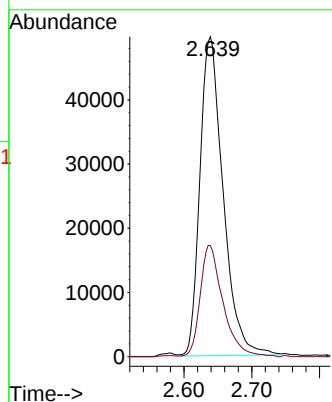
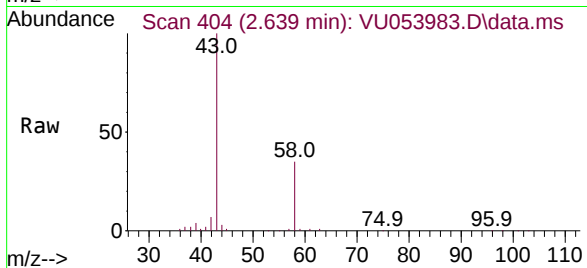
VSTD050019

Tgt Ion: 43 Resp: 118166

Ion Ratio Lower Upper

43 100

58 33.7 0.0 67.4



#14

Carbon disulfide

Concen: 40.607 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053983.D

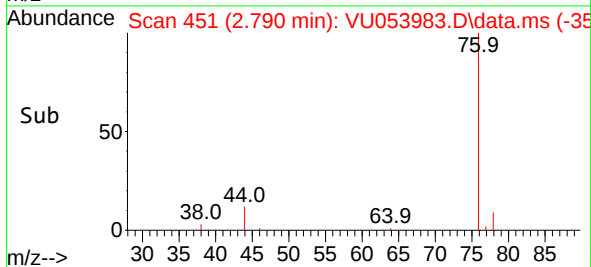
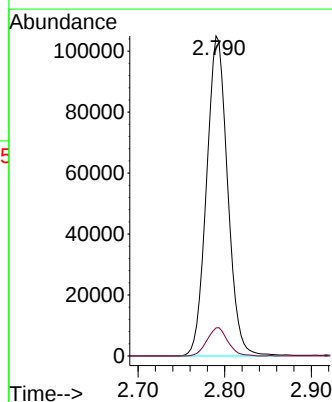
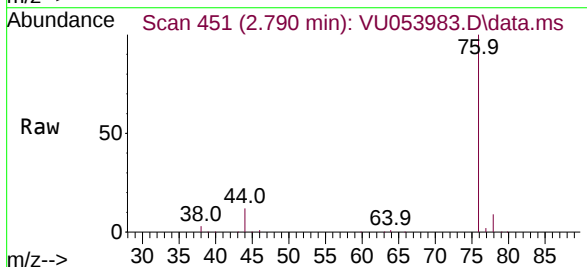
Acq: 29 Apr 2023 13:40

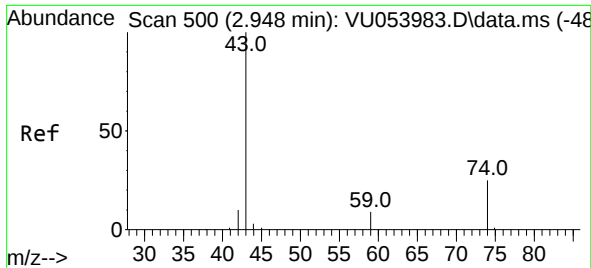
Tgt Ion: 76 Resp: 177154

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4

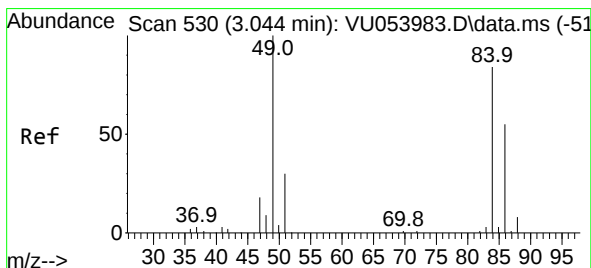
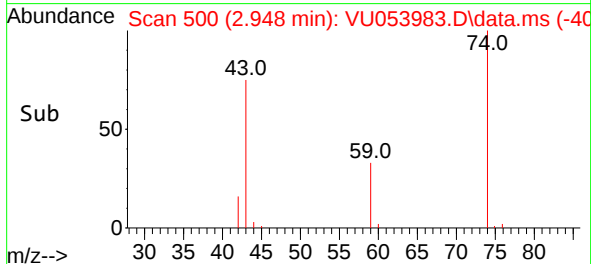
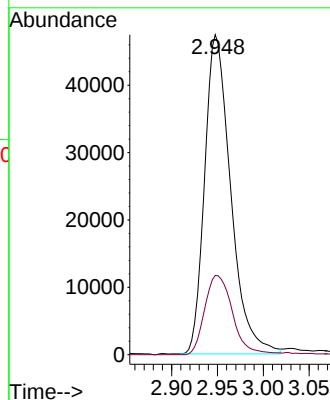
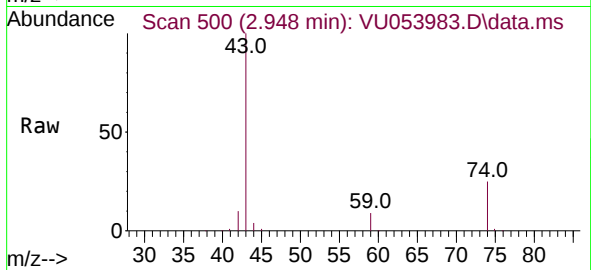




#15
Methyl Acetate
Concen: 64.403 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

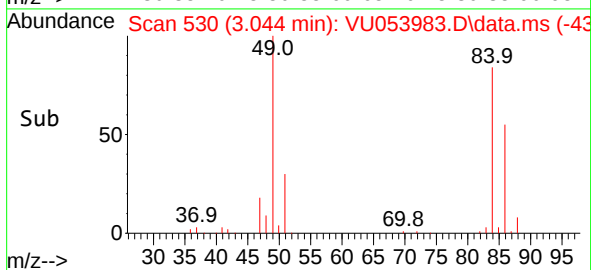
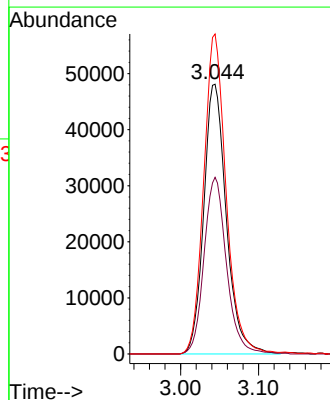
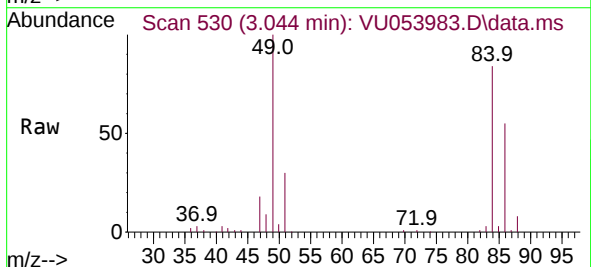
Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

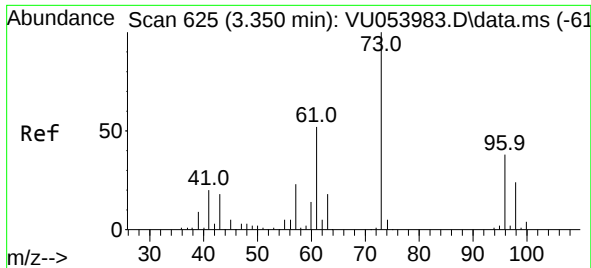
Tgt Ion: 43 Resp: 93797
Ion Ratio Lower Upper
43 100
74 26.5 21.2 31.8



#16
Methylene chloride
Concen: 49.677 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion: 84 Resp: 97122
Ion Ratio Lower Upper
84 100
86 65.5 45.8 85.2
49 118.6 83.0 154.2



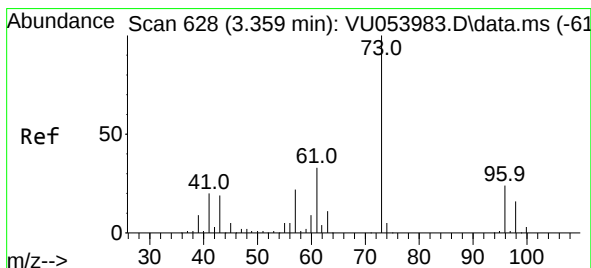
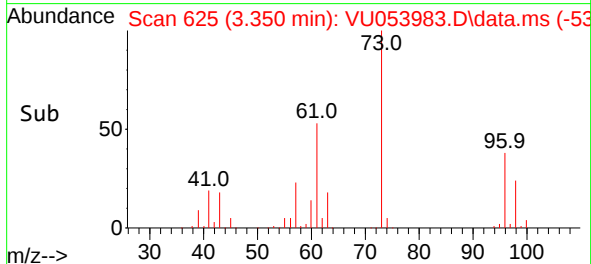
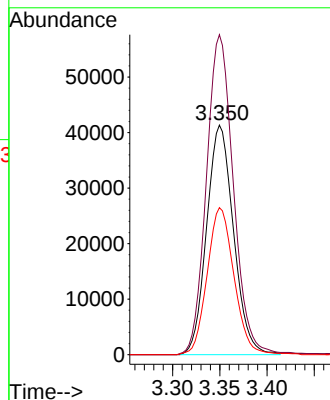
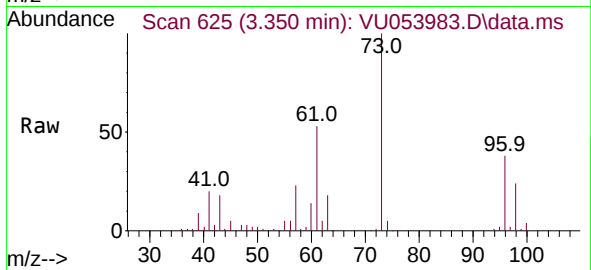


#17
 trans-1,2-Dichloroethene
 Concen: 47.790 ug/L
 RT: 3.350 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VU053983.D
 Acq: 29 Apr 2023 13:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050019

Tgt Ion: 96 Resp: 81908

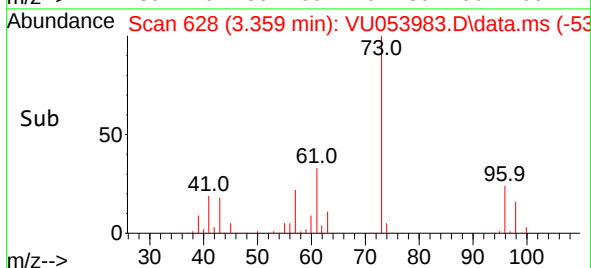
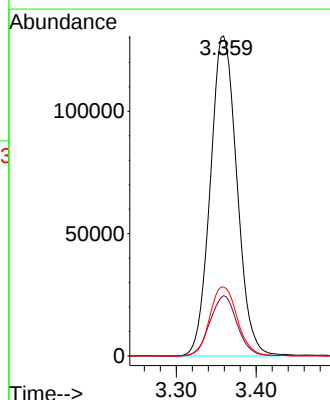
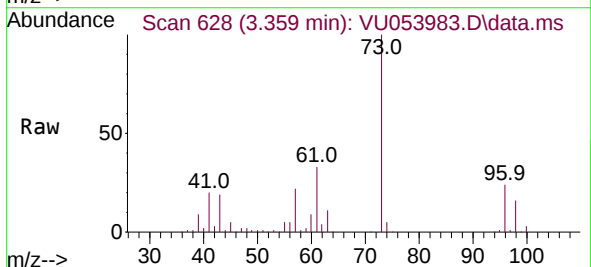
Ion	Ratio	Lower	Upper
96	100		
61	139.3	97.5	181.1
98	64.0	44.8	83.2

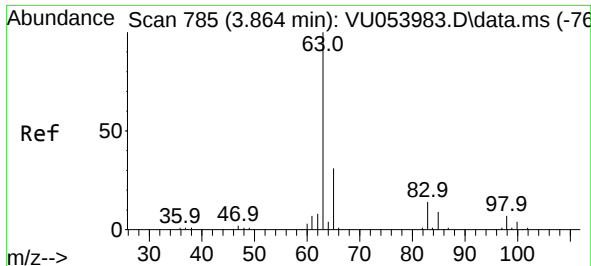


#18
 Methyl tert-butyl Ether
 Concen: 57.536 ug/L
 RT: 3.359 min Scan# 628
 Delta R.T. 0.000 min
 Lab File: VU053983.D
 Acq: 29 Apr 2023 13:40

Tgt Ion: 73 Resp: 302083

Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.4	23.0
57	22.5	18.0	27.0

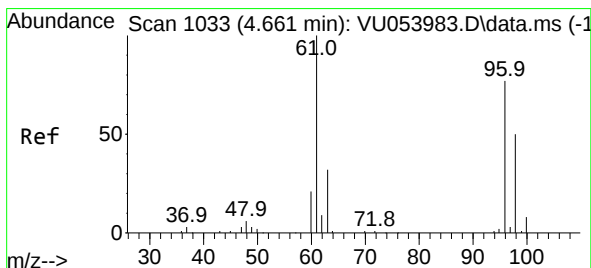
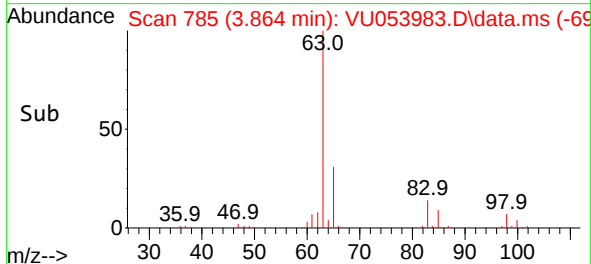
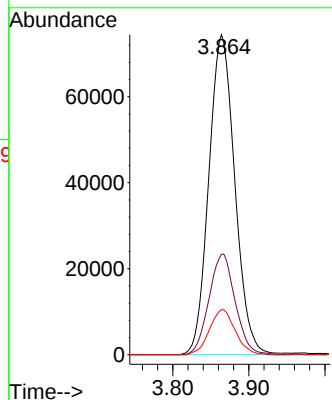
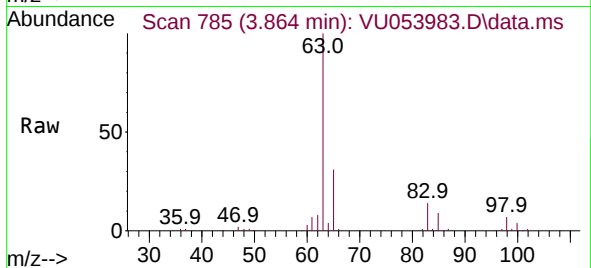




#19
1,1-Dichloroethane
Concen: 58.864 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

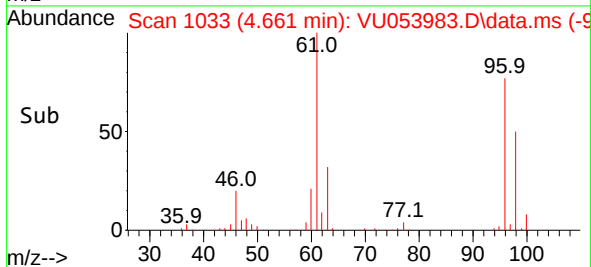
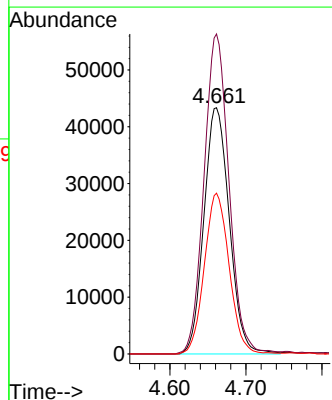
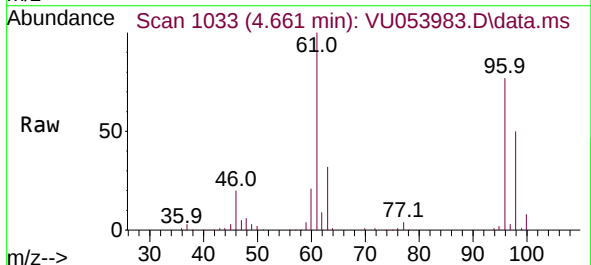
Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

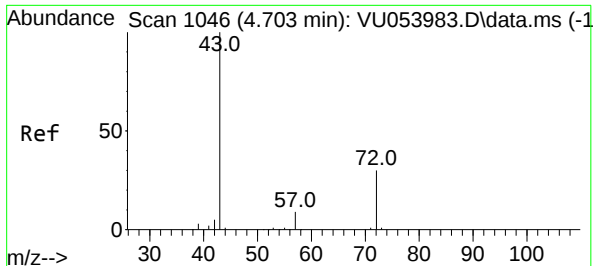
Tgt Ion: 63 Resp: 176668
Ion Ratio Lower Upper
63 100
65 31.4 22.0 40.8
83 14.1 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 50.275 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion: 96 Resp: 100895
Ion Ratio Lower Upper
96 100
61 129.9 90.9 168.9
98 65.3 45.7 84.9





#22

2-Butanone

Concen: 123.987 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

Instrument :

MSVOA_U

ClientSampleId :

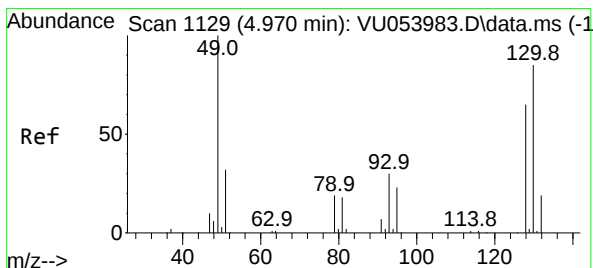
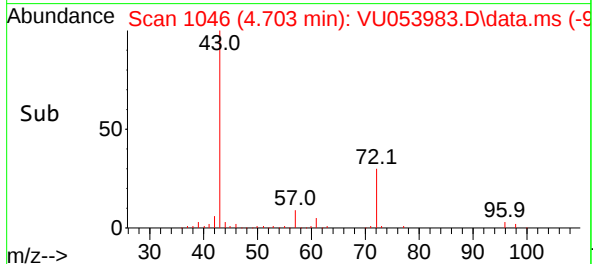
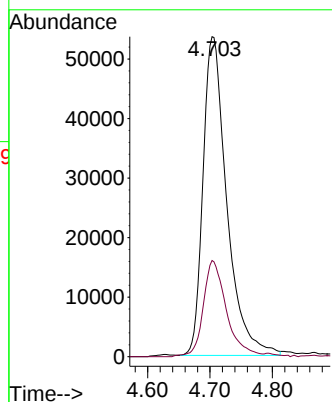
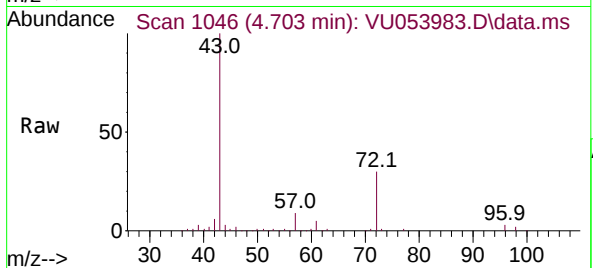
VSTD050019

Tgt Ion: 43 Resp: 142337

Ion Ratio Lower Upper

43 100

72 27.9 14.0 41.9



#23

Bromochloromethane

Concen: 48.289 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

Tgt Ion:128 Resp: 53271

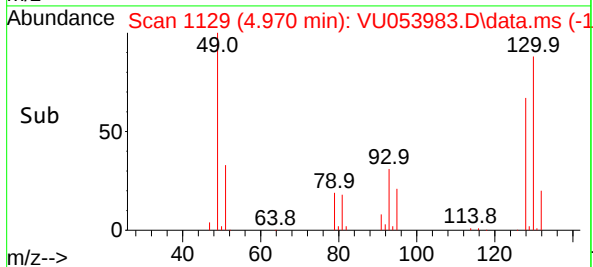
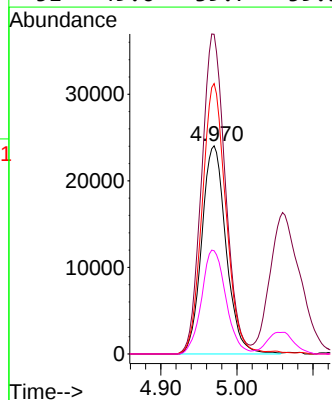
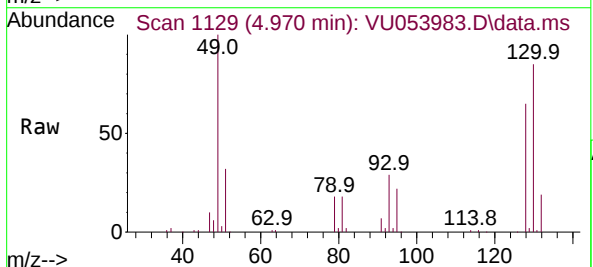
Ion Ratio Lower Upper

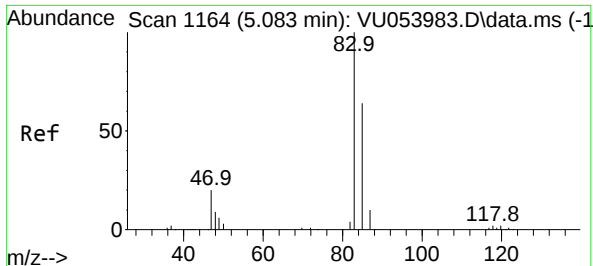
128 100

49 153.6 107.5 199.7

130 130.0 91.0 169.0

51 49.6 39.7 59.5





#25

Chloroform

Concen: 55.783 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

Instrument :

MSVOA_U

ClientSampleId :

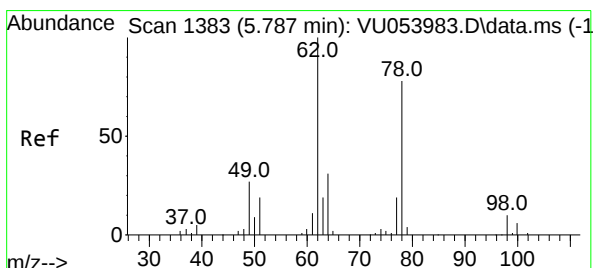
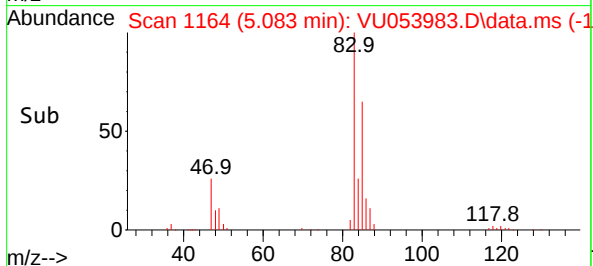
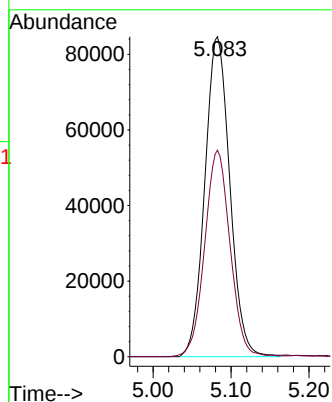
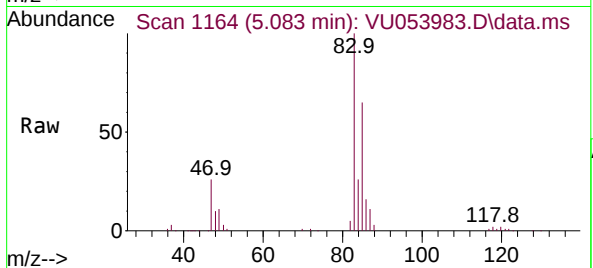
VSTD050019

Tgt Ion: 83 Resp: 188724

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0



#27

1,2-Dichloroethane

Concen: 57.067 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VU053983.D

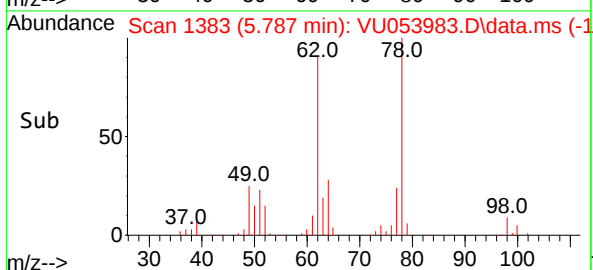
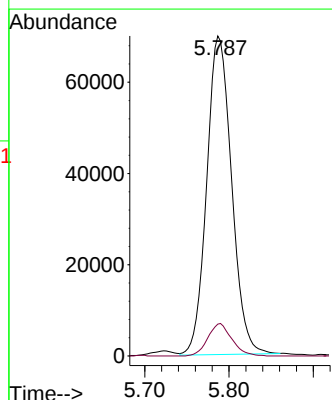
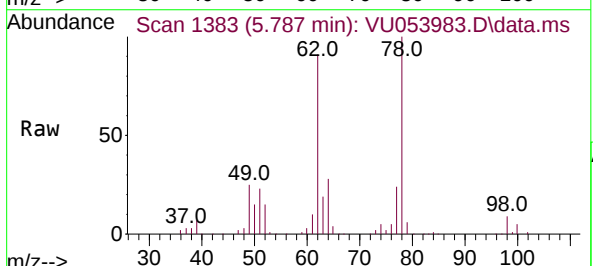
Acq: 29 Apr 2023 13:40

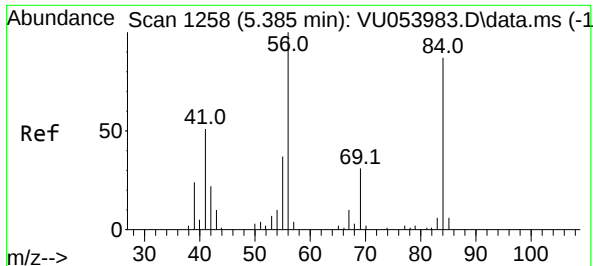
Tgt Ion: 62 Resp: 143495

Ion Ratio Lower Upper

62 100

98 10.0 8.0 12.0





#29

Cyclohexane

Concen: 52.123 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD050019

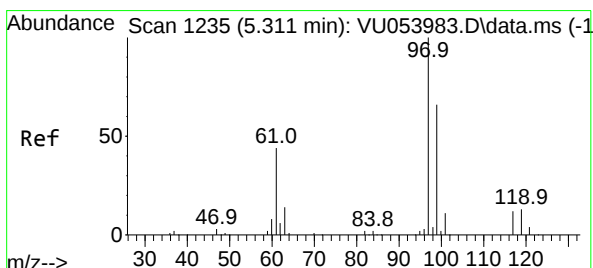
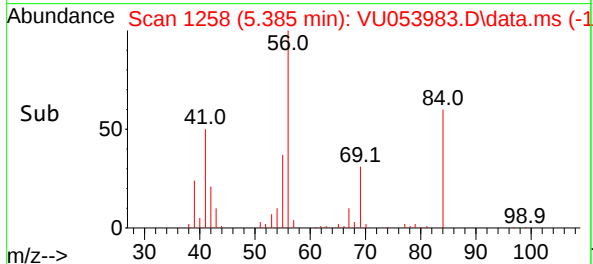
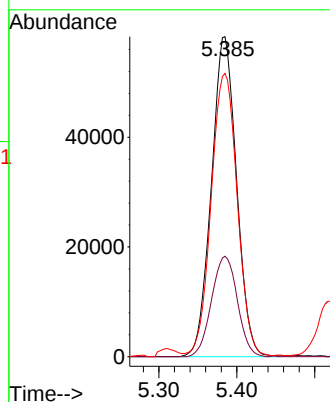
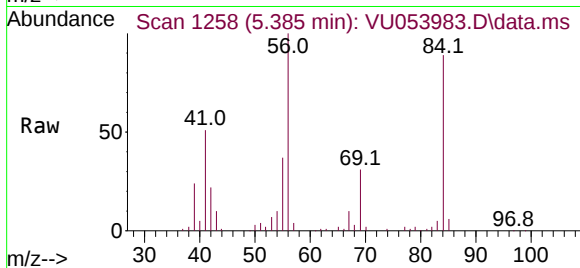
Tgt Ion: 56 Resp: 130923

Ion Ratio Lower Upper

56 100

69 32.2 25.8 38.6

84 92.0 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 55.091 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

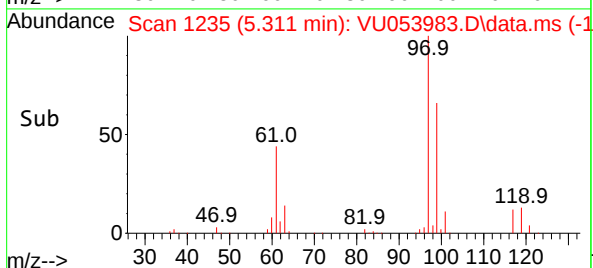
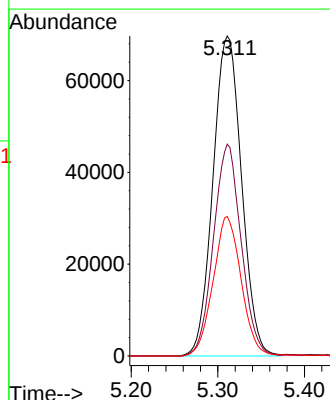
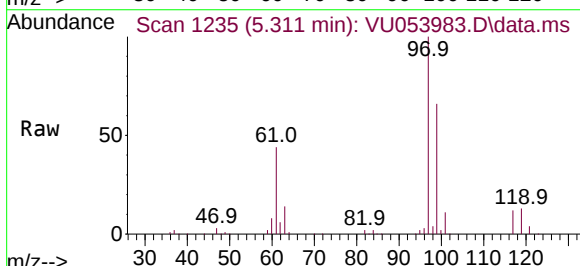
Tgt Ion: 97 Resp: 160084

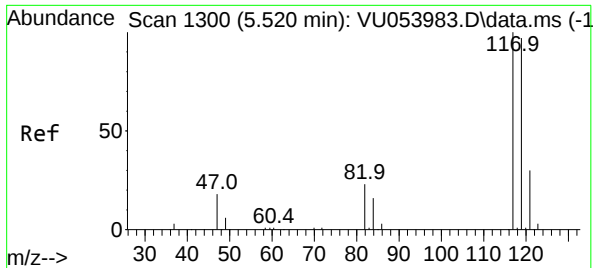
Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

61 42.8 34.2 51.4

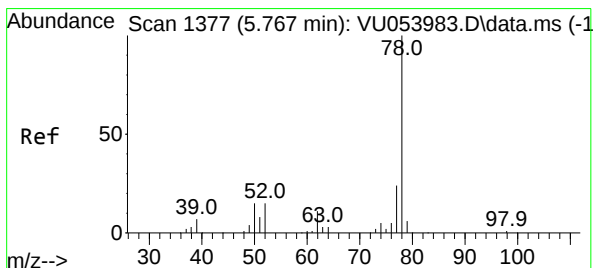
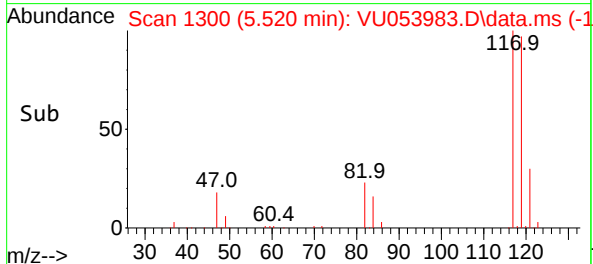
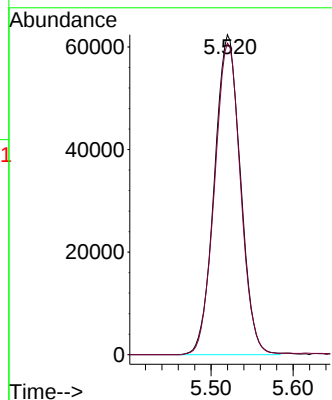
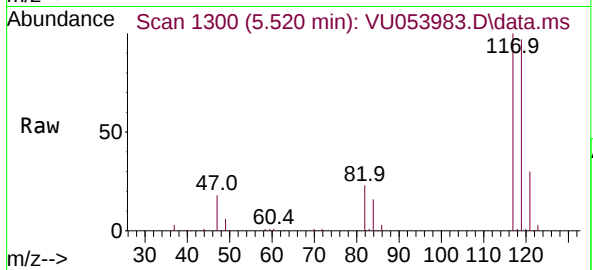




#31
Carbon tetrachloride
Concen: 53.217 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

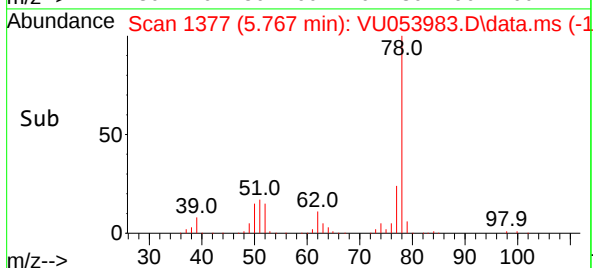
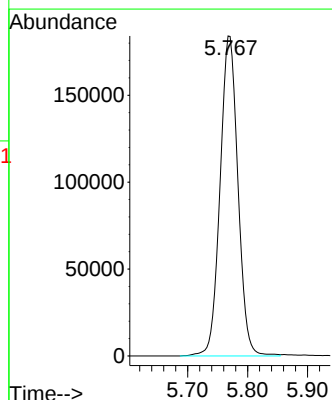
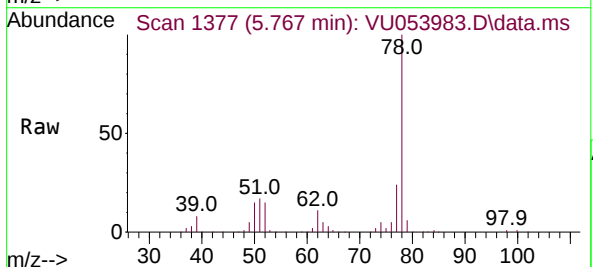
Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

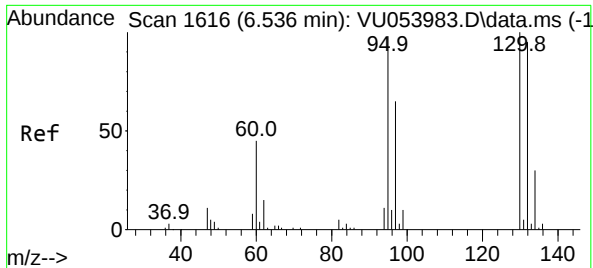
Tgt Ion:117 Resp: 137610
Ion Ratio Lower Upper
117 100
119 97.2 77.8 116.6



#33
Benzene
Concen: 55.236 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion: 78 Resp: 380135

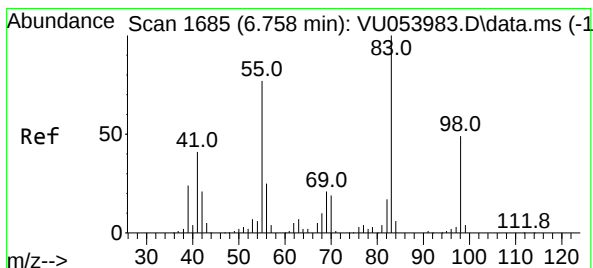
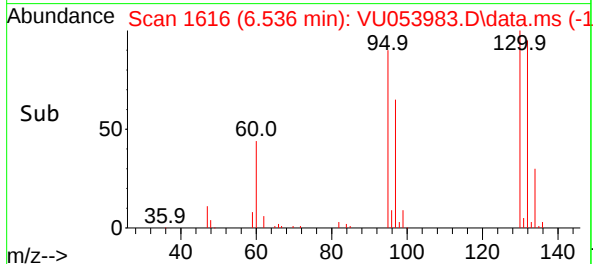
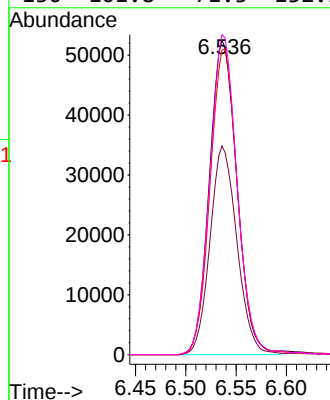
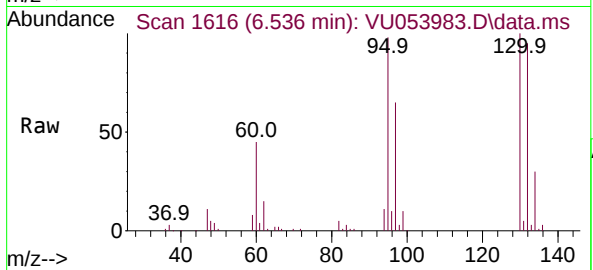




#34
Trichloroethene
Concen: 49.160 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

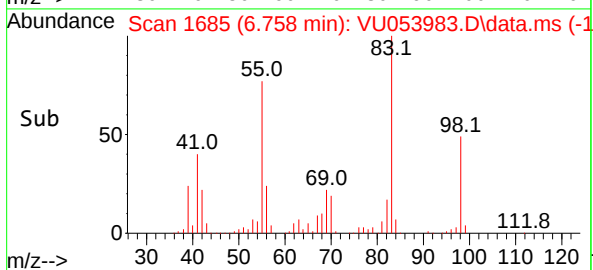
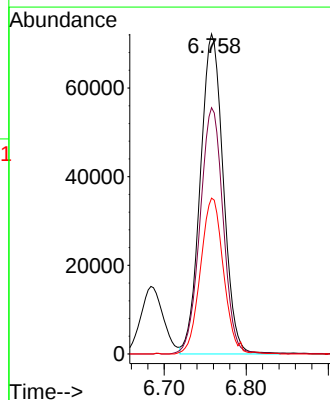
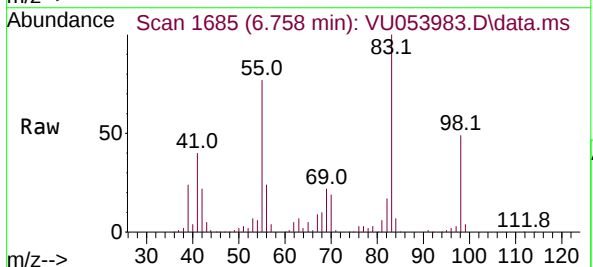
Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

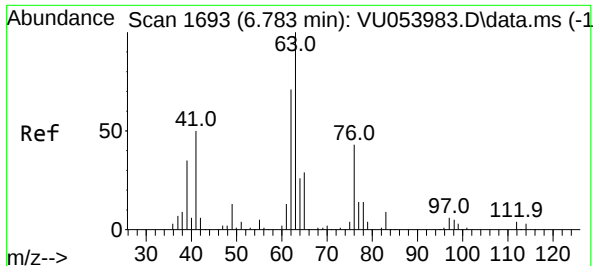
Tgt Ion: 95 Resp: 99769
Ion Ratio Lower Upper
95 100
97 66.4 46.5 86.3
132 96.9 67.8 126.0
130 101.8 71.3 132.3



#35
Methylcyclohexane
Concen: 47.484 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion: 83 Resp: 140184
Ion Ratio Lower Upper
83 100
55 77.2 61.8 92.6
98 48.0 38.4 57.6

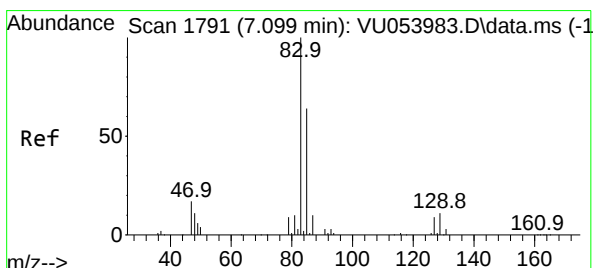
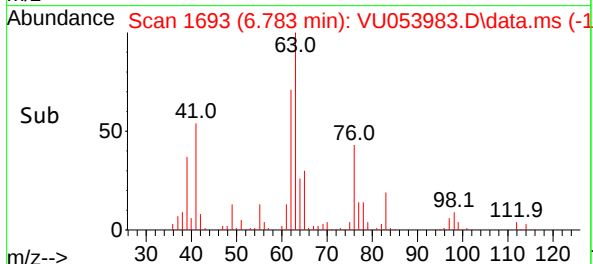
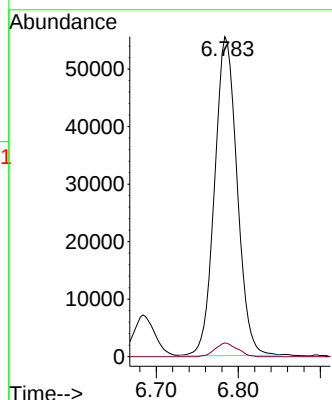
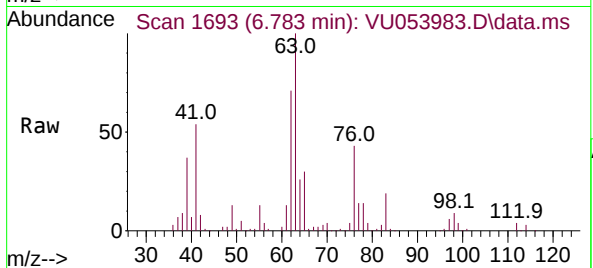




#37
1,2-Dichloropropane
Concen: 59.262 ug/L
RT: 6.783 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

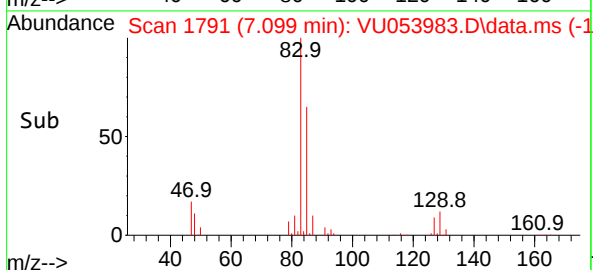
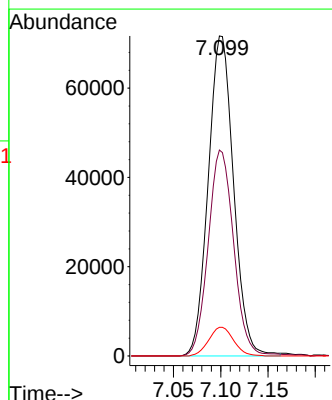
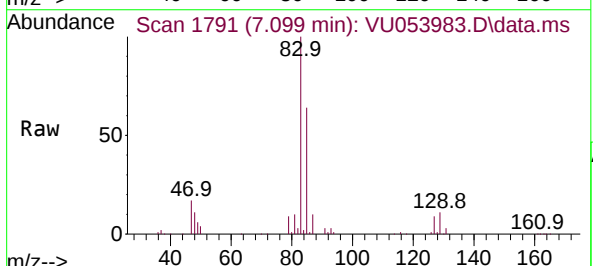
Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

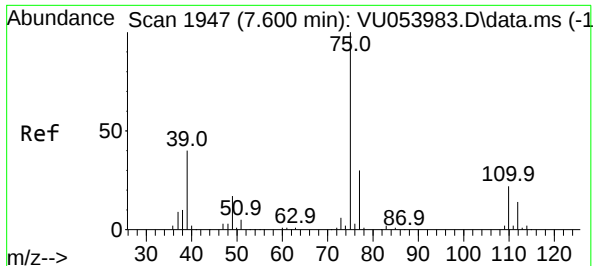
Tgt Ion: 63 Resp: 105785
Ion Ratio Lower Upper
63 100
112 4.2 3.4 5.0



#38
Bromodichloromethane
Concen: 56.839 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion: 83 Resp: 133797
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6
127 8.9 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 58.673 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

Instrument :

MSVOA_U

ClientSampleId :

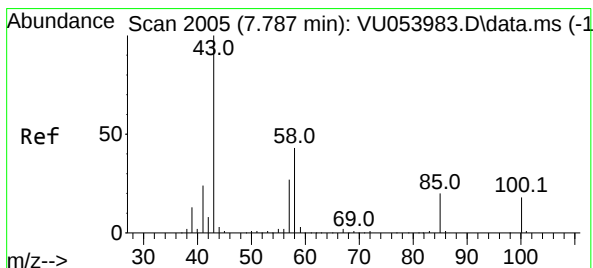
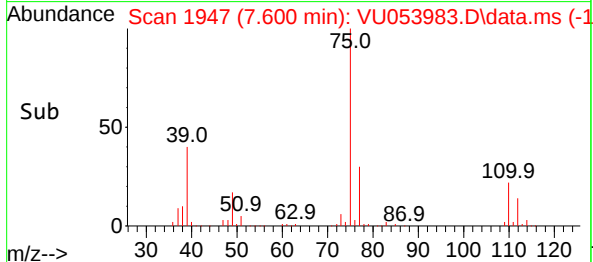
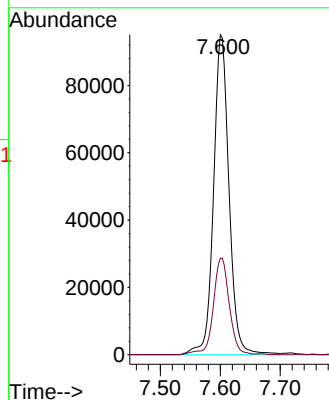
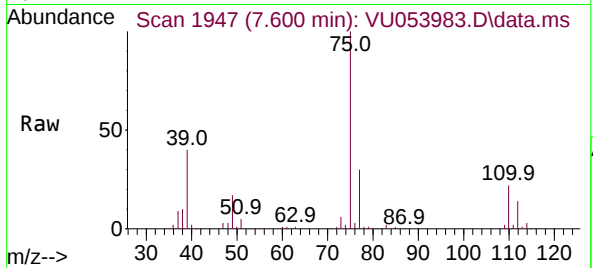
VSTD050019

Tgt Ion: 75 Resp: 170353

Ion Ratio Lower Upper

75 100

77 30.1 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 127.133 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

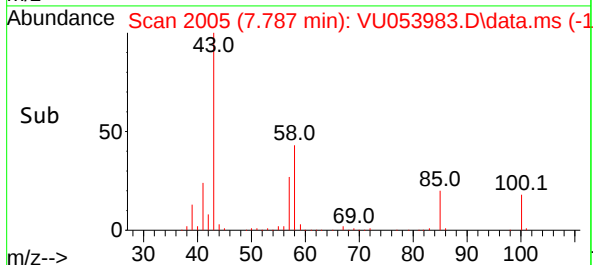
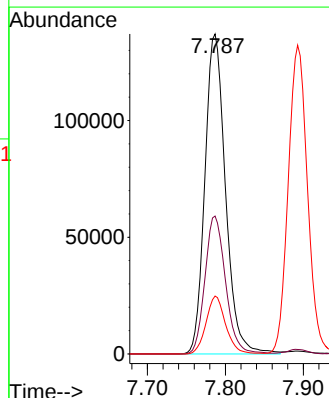
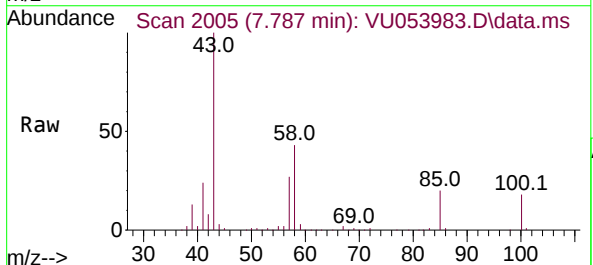
Tgt Ion: 43 Resp: 252178

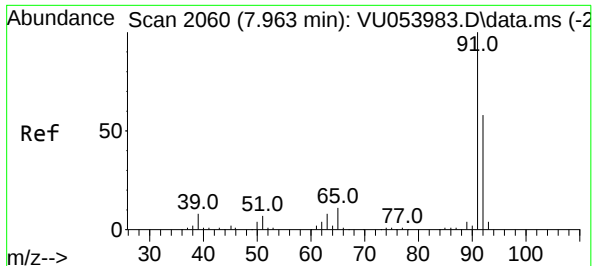
Ion Ratio Lower Upper

43 100

58 43.1 34.5 51.7

100 17.2 13.8 20.6





#42

Toluene

Concen: 51.919 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

Instrument :

MSVOA_U

ClientSampleId :

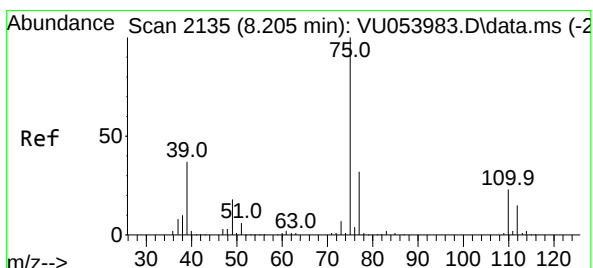
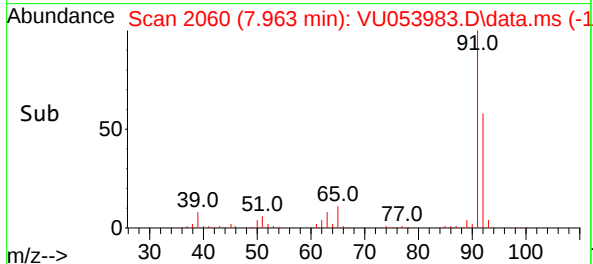
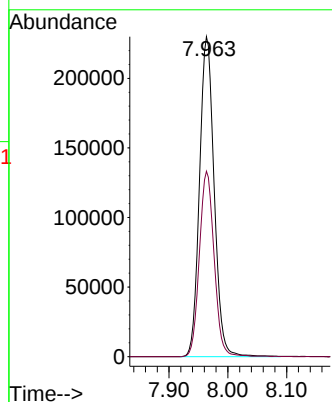
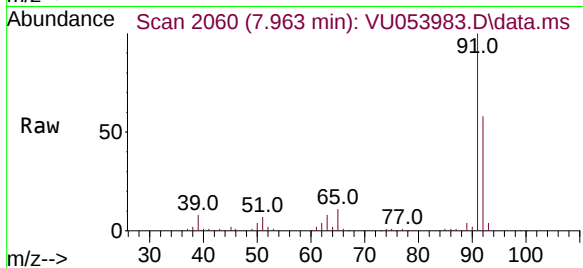
VSTD050019

Tgt Ion: 91 Resp: 398242

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 57.842 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053983.D

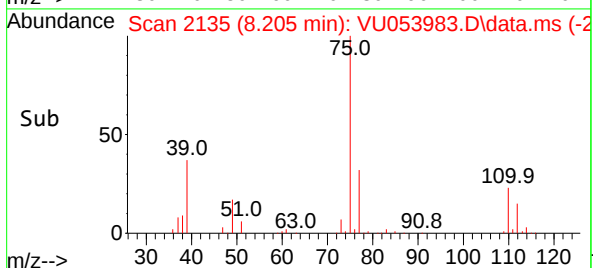
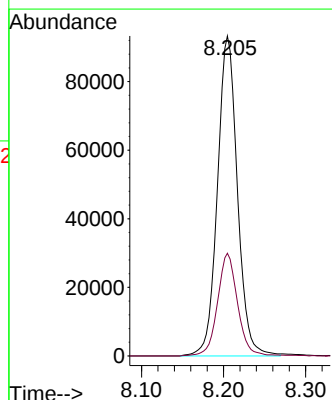
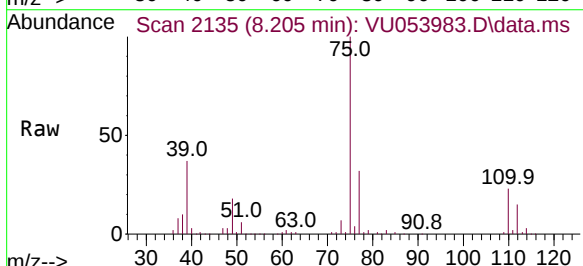
Acq: 29 Apr 2023 13:40

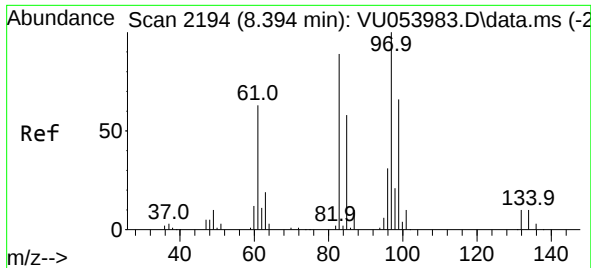
Tgt Ion: 75 Resp: 158000

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



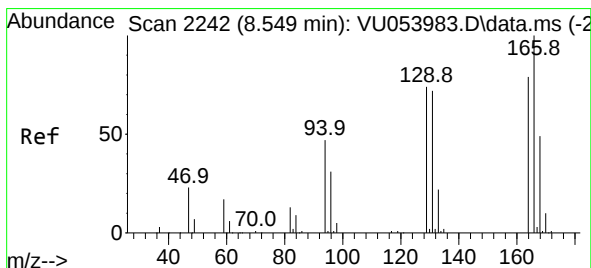
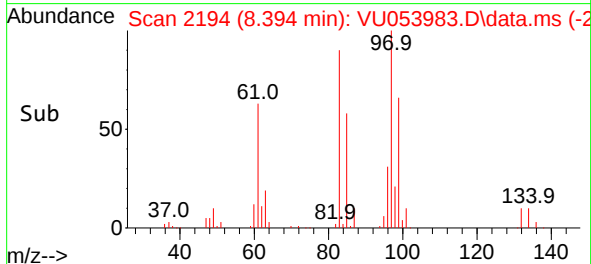
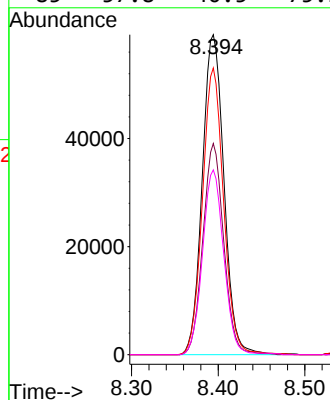
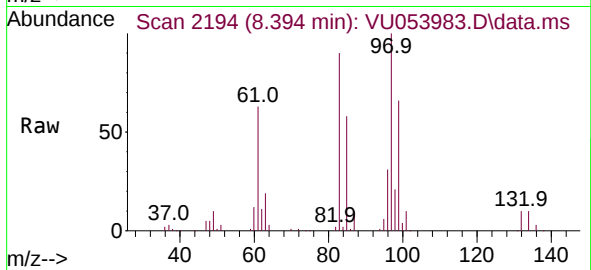


#45
1,1,2-Trichloroethane
Concen: 54.120 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

Tgt Ion: 97 Resp: 103097

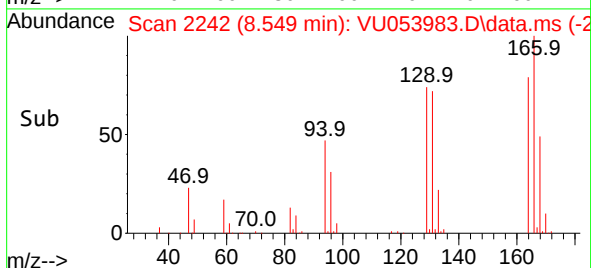
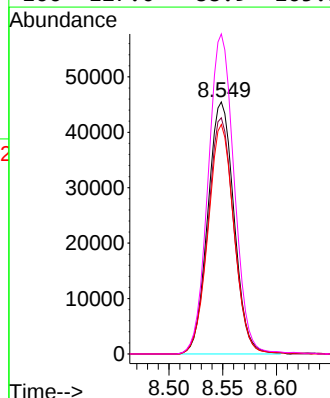
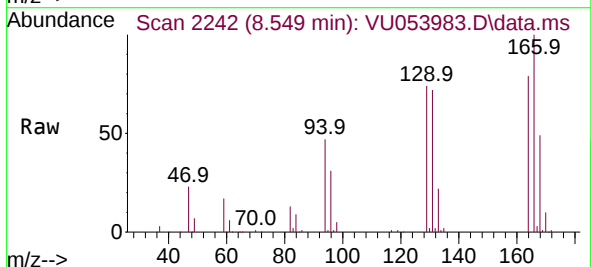
Ion	Ratio	Lower	Upper
97	100		
99	66.0	46.2	85.8
83	89.6	62.7	116.5
85	57.8	40.5	75.1

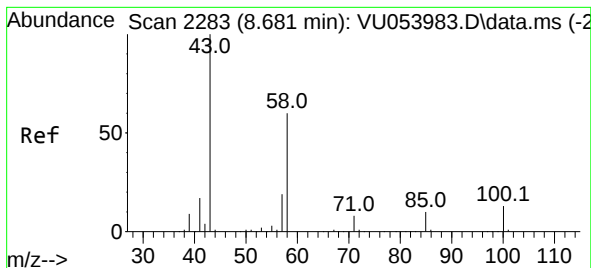


#46
Tetrachloroethene
Concen: 46.547 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion: 164 Resp: 77233

Ion	Ratio	Lower	Upper
164	100		
129	93.7	65.6	121.8
131	91.1	63.8	118.4
166	127.0	88.9	165.1





#48

2-Hexanone

Concen: 124.735 ug/L

RT: 8.681 min Scan# 2283

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD050019

Tgt Ion: 43 Resp: 200036

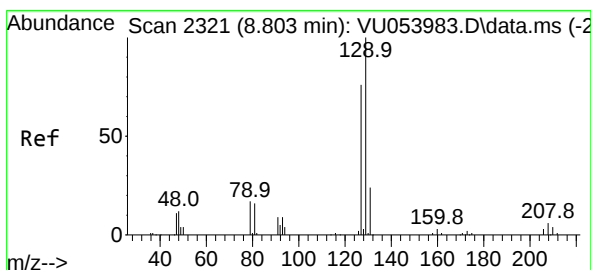
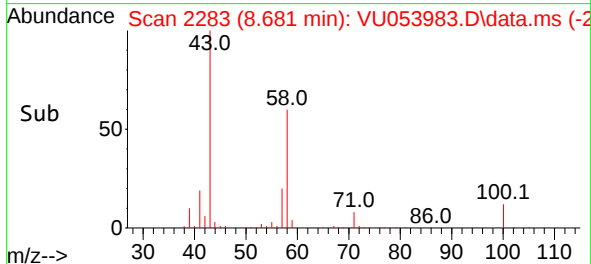
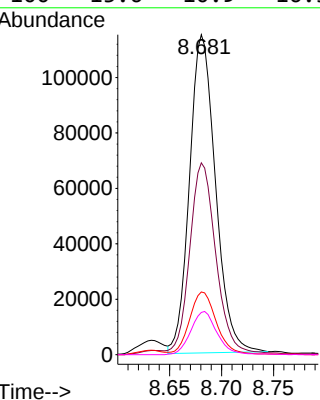
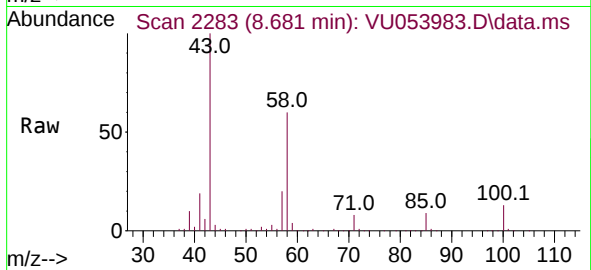
Ion Ratio Lower Upper

43 100

58 60.6 48.5 72.7

57 20.6 16.5 24.7

100 13.6 10.9 16.3



#49

Dibromochloromethane

Concen: 52.161 ug/L

RT: 8.803 min Scan# 2321

Delta R.T. 0.000 min

Lab File: VU053983.D

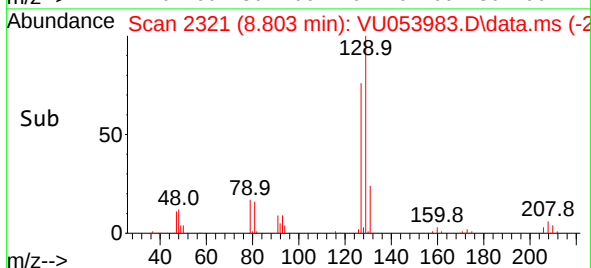
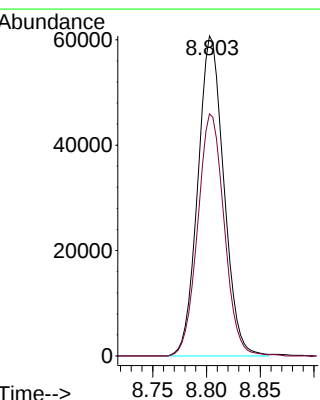
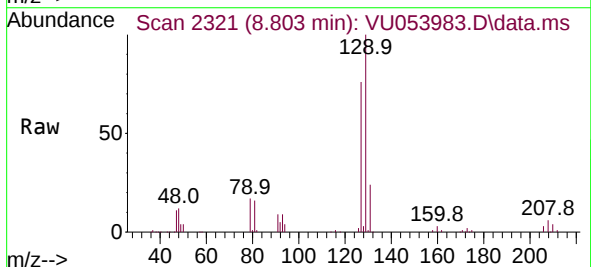
Acq: 29 Apr 2023 13:40

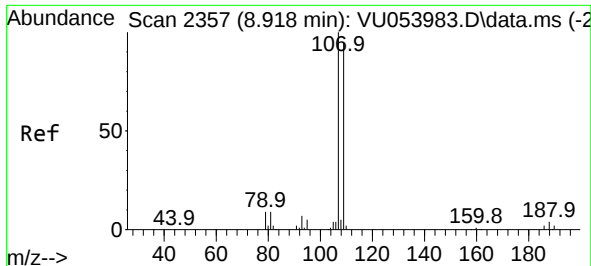
Tgt Ion: 129 Resp: 102098

Ion Ratio Lower Upper

129 100

127 75.6 52.9 98.3





#50

1,2-Dibromoethane

Concen: 50.804 ug/L

RT: 8.918 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD050019

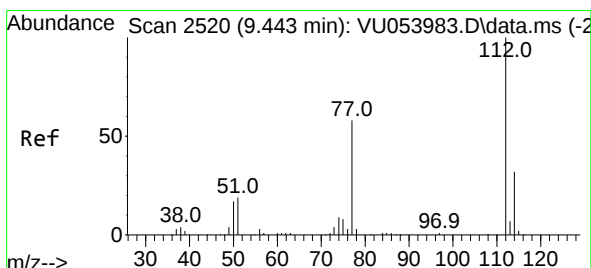
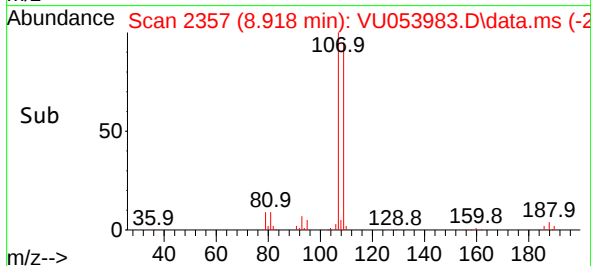
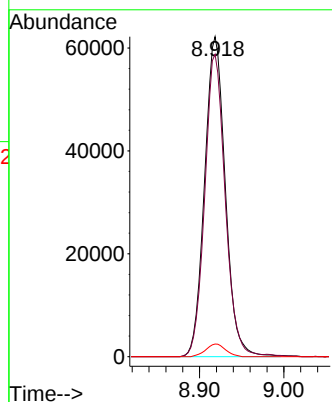
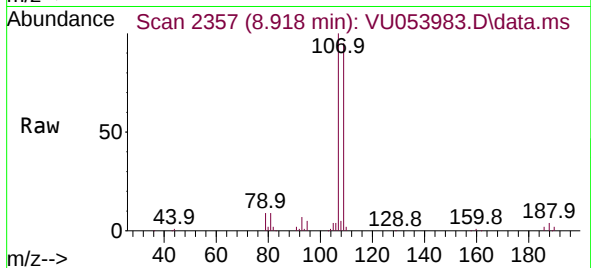
Tgt Ion:107 Resp: 106542

Ion Ratio Lower Upper

107 100

109 94.5 66.1 122.8

188 3.9 3.1 4.7



#51

Chlorobenzene

Concen: 49.196 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

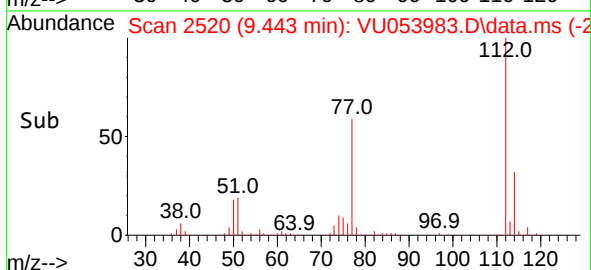
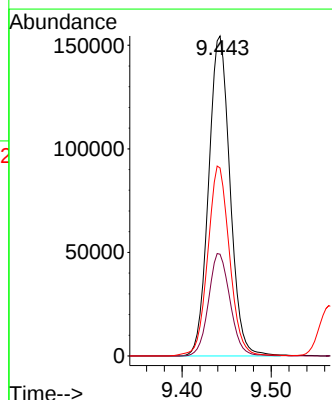
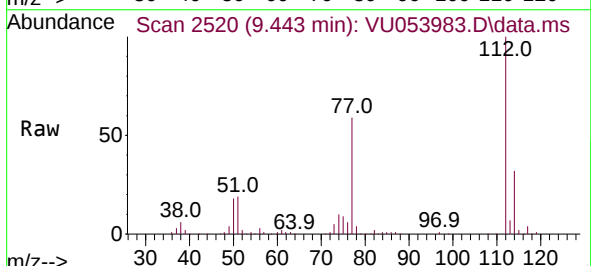
Tgt Ion:112 Resp: 258016

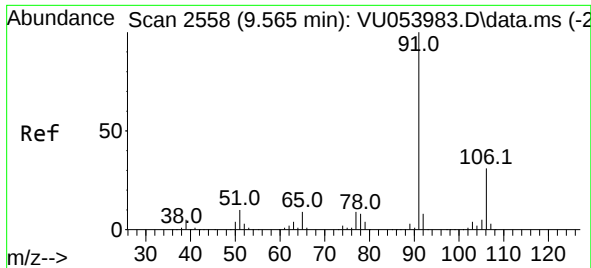
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 58.7 47.0 70.4

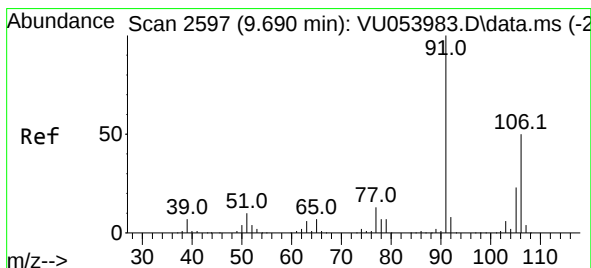
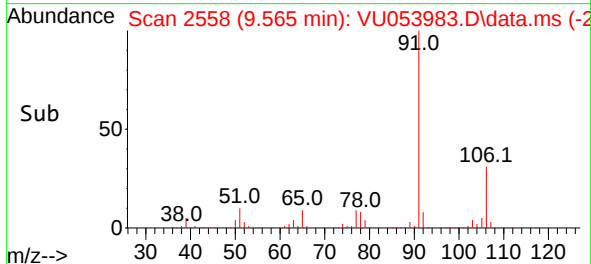
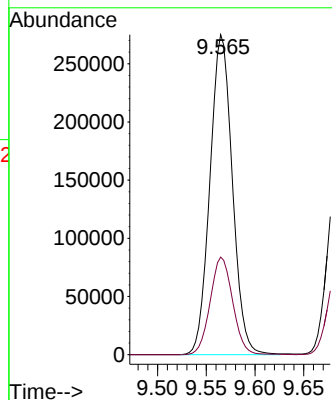
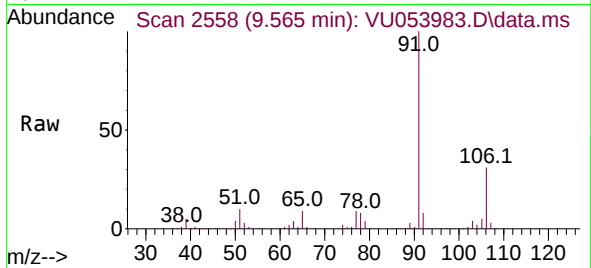




#52
Ethylbenzene
Concen: 51.529 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

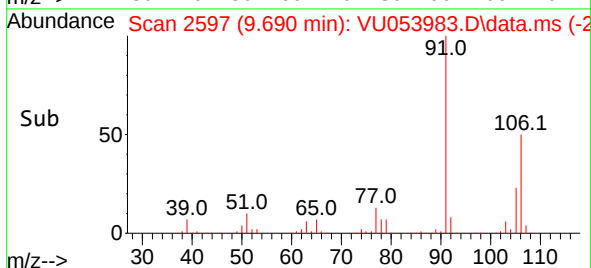
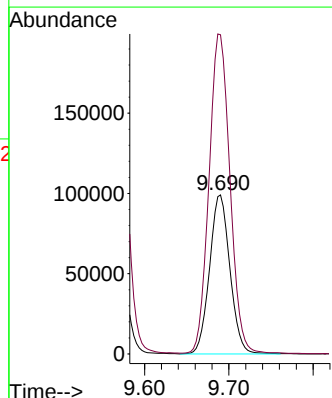
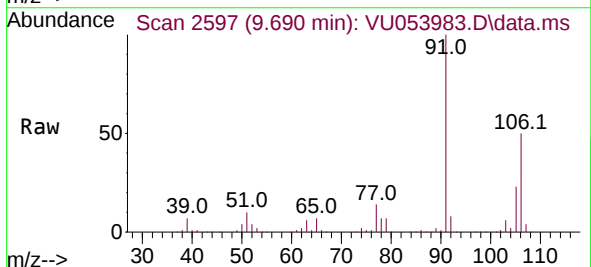
Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

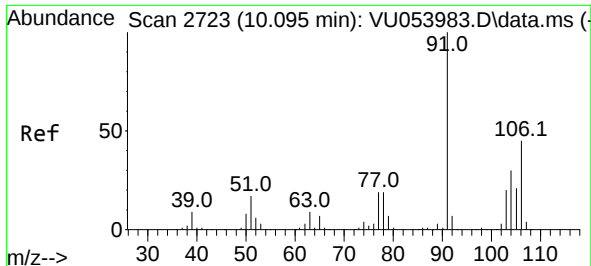
Tgt Ion: 91 Resp: 439882
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 50.229 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion: 106 Resp: 166603
Ion Ratio Lower Upper
106 100
91 200.7 140.5 260.9

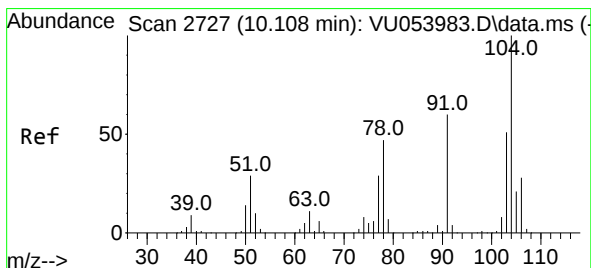
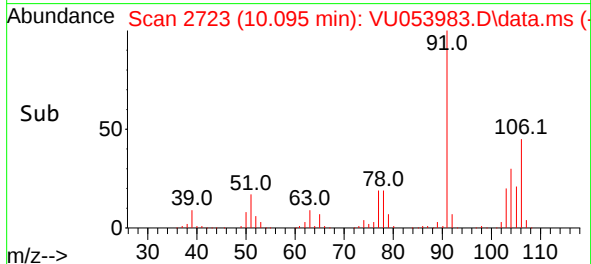
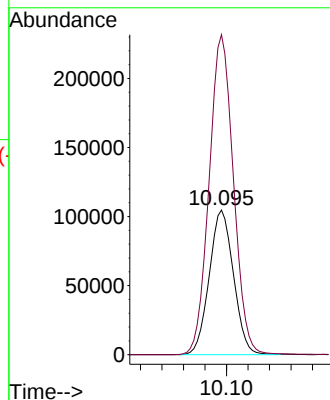
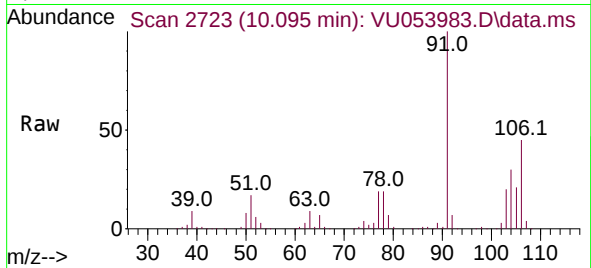




#54
o-Xylene
Concen: 50.110 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

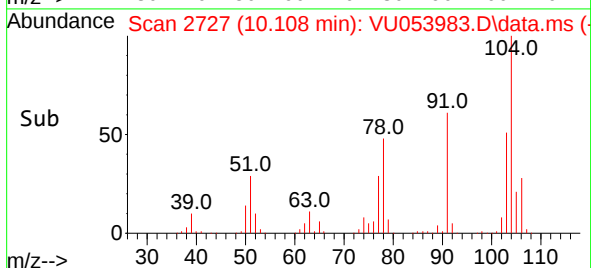
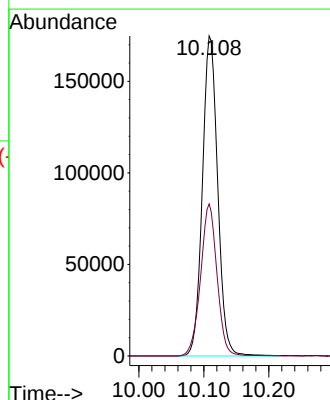
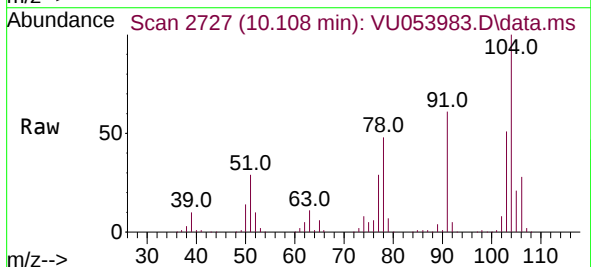
Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

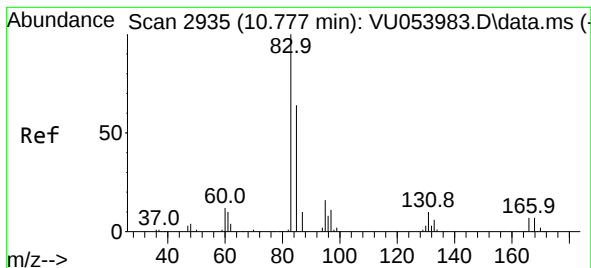
Tgt Ion:106 Resp: 163952
Ion Ratio Lower Upper
106 100
91 221.3 154.9 287.7



#55
Styrene
Concen: 53.183 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion:104 Resp: 287160
Ion Ratio Lower Upper
104 100
78 47.5 33.2 61.7

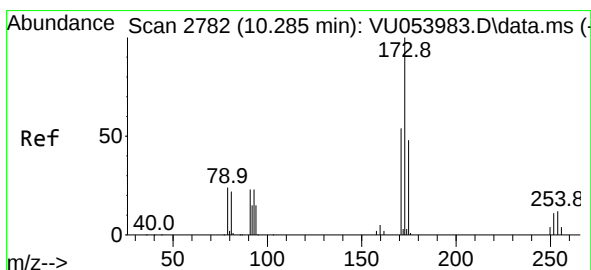
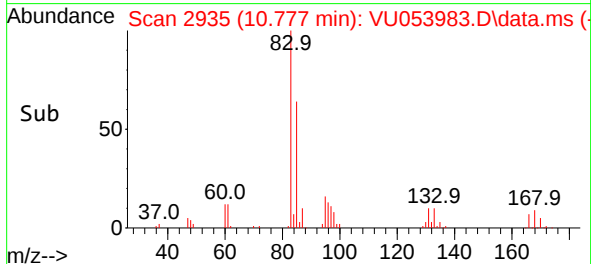
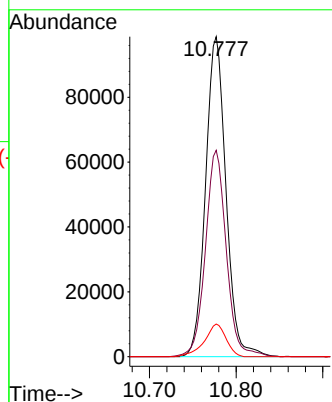
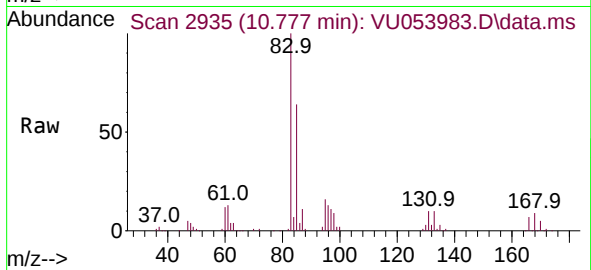




#57
1,1,2,2-Tetrachloroethane
Concen: 56.712 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

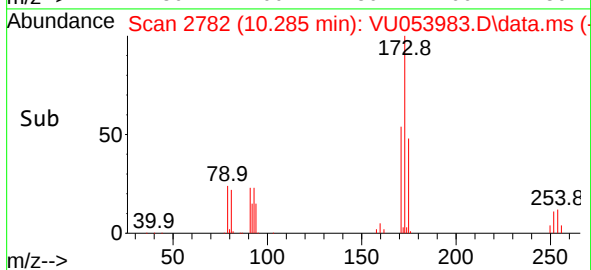
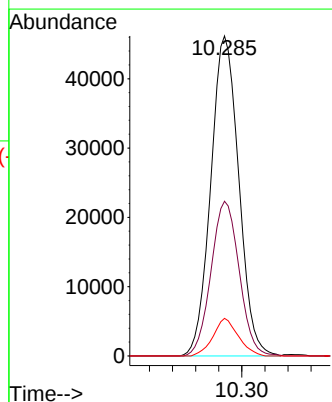
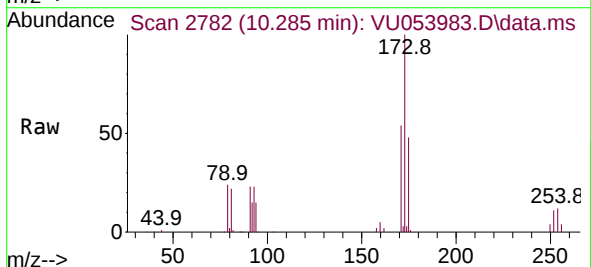
Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

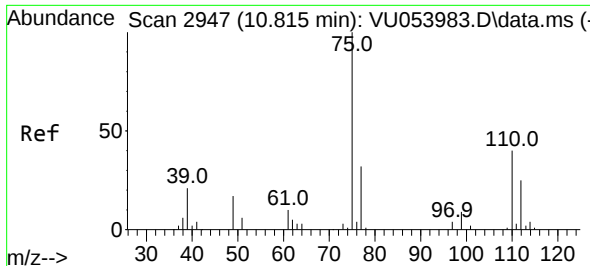
Tgt Ion: 83 Resp: 161628
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9
131 10.2 8.2 12.2



#59
Bromoform
Concen: 53.523 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion:173 Resp: 77659
Ion Ratio Lower Upper
173 100
175 48.6 38.9 58.3
254 10.6 8.5 12.7

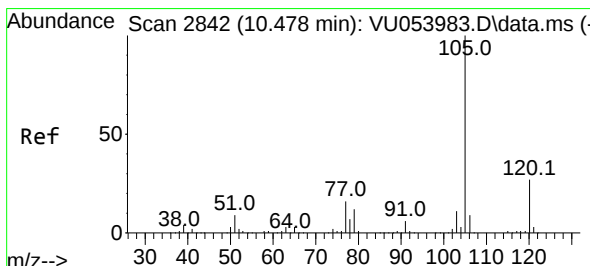
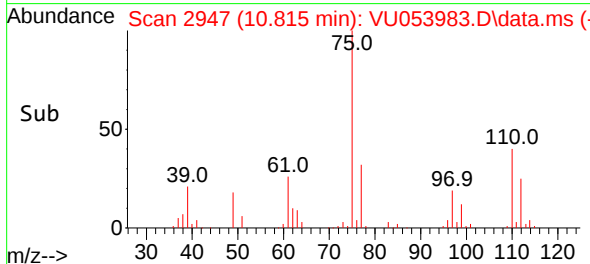
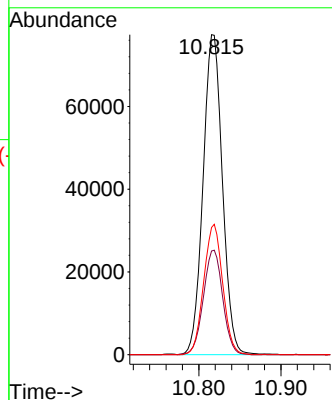
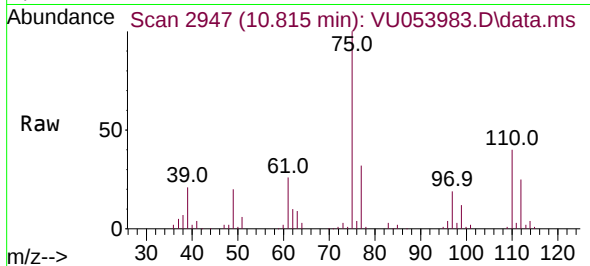




#60
1,2,3-Trichloropropane
Concen: 59.761 ug/L
RT: 10.815 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

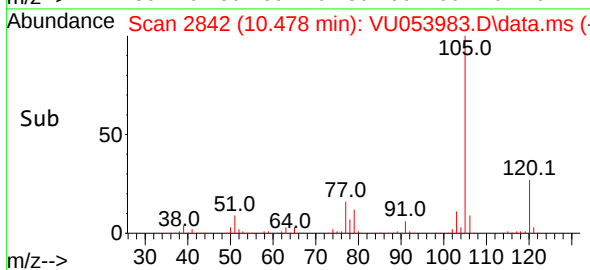
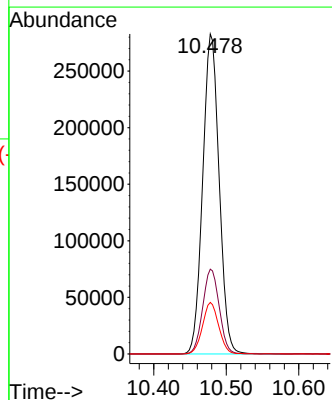
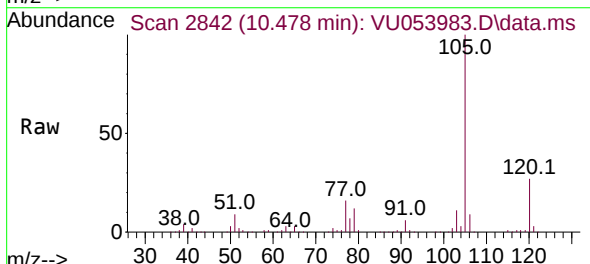
Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

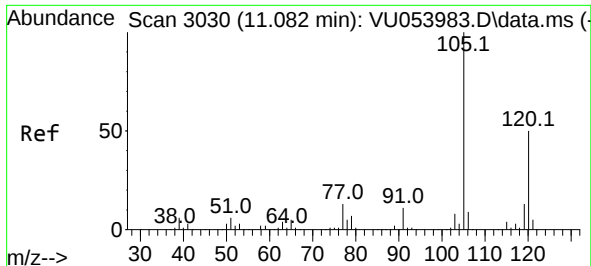
Tgt Ion: 75 Resp: 126785
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
110 39.8 31.8 47.8



#61
Isopropylbenzene
Concen: 53.216 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion: 105 Resp: 444816
Ion Ratio Lower Upper
105 100
120 26.6 21.3 31.9
77 15.9 12.7 19.1





#62

1,3,5-Trimethylbenzene

Concen: 53.001 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

Instrument :

MSVOA_U

ClientSampleId :

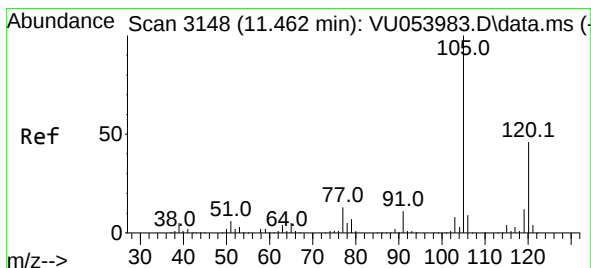
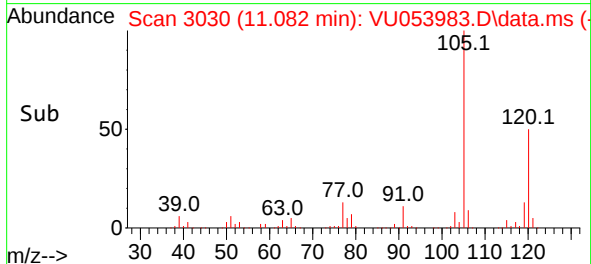
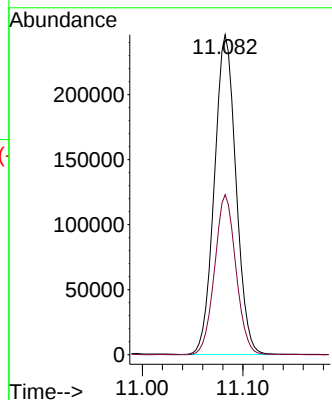
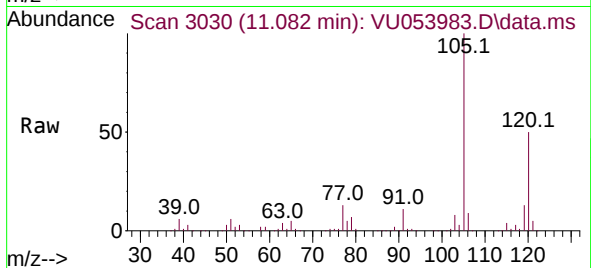
VSTD050019

Tgt Ion:105 Resp: 367313

Ion Ratio Lower Upper

105 100

120 49.3 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 52.951 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053983.D

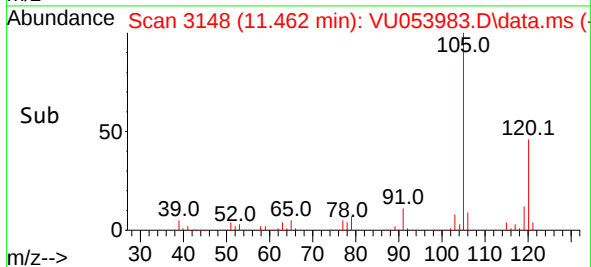
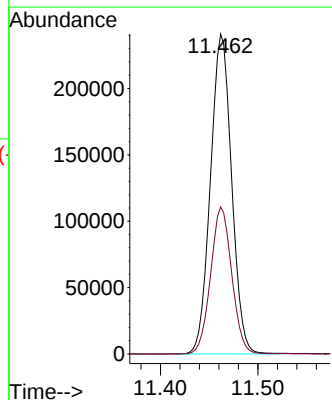
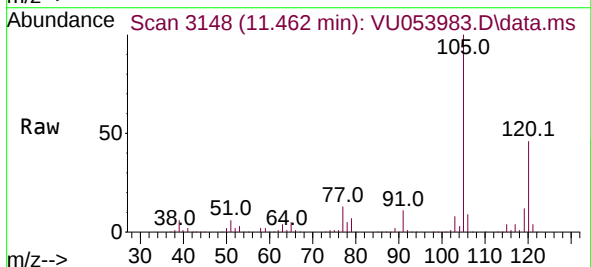
Acq: 29 Apr 2023 13:40

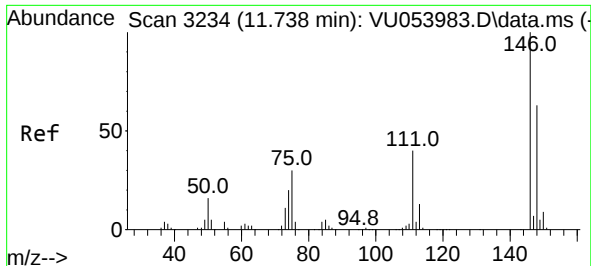
Tgt Ion:105 Resp: 363713

Ion Ratio Lower Upper

105 100

120 45.6 36.5 54.7

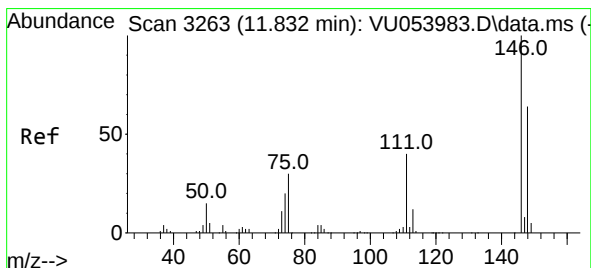
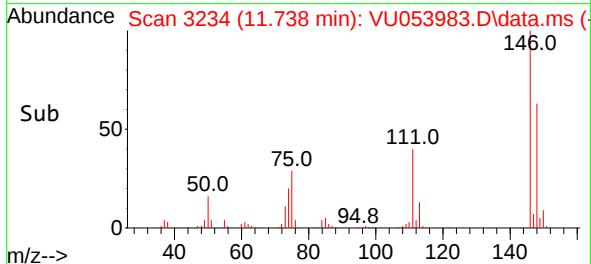
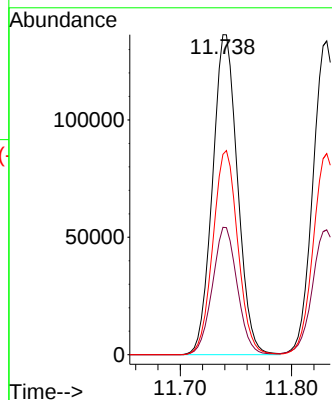
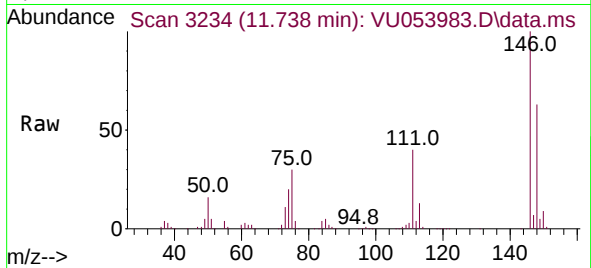




#64
 1,3-Dichlorobenzene
 Concen: 49.371 ug/L
 RT: 11.738 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU053983.D
 Acq: 29 Apr 2023 13:40

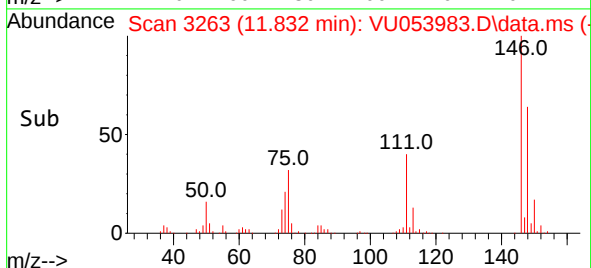
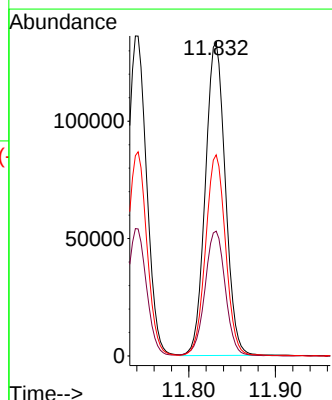
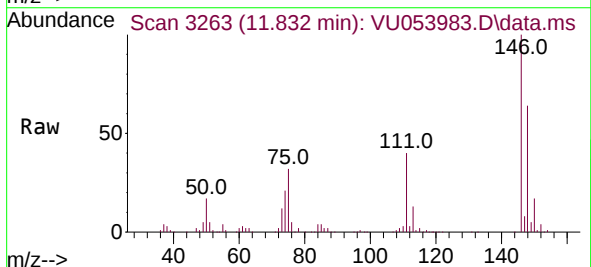
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050019

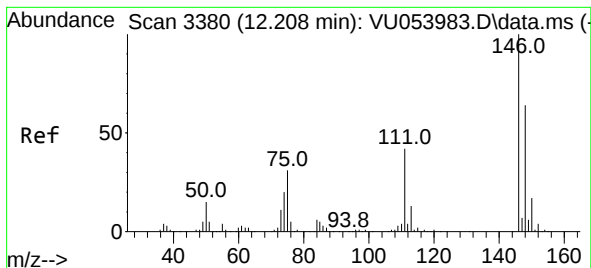
Tgt Ion:146 Resp: 212841
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.9 51.7
 148 62.6 43.8 81.4



#65
 1,4-Dichlorobenzene
 Concen: 48.566 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU053983.D
 Acq: 29 Apr 2023 13:40

Tgt Ion:146 Resp: 213939
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.9 51.7
 148 64.1 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 50.094 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD050019

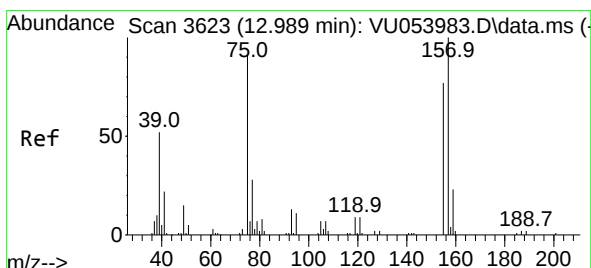
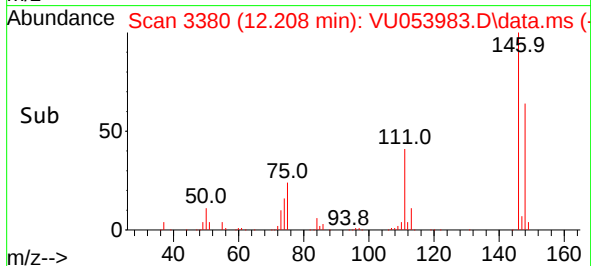
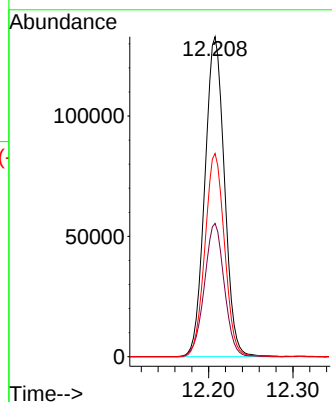
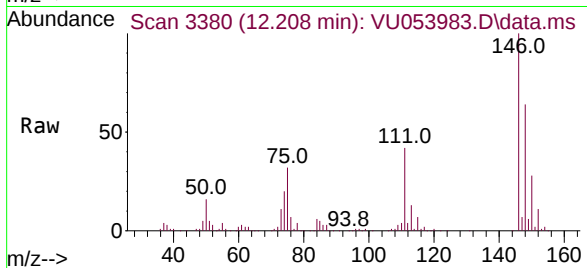
Tgt Ion:146 Resp: 215855

Ion Ratio Lower Upper

146 100

111 41.7 33.4 50.0

148 63.5 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 60.121 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU053983.D

Acq: 29 Apr 2023 13:40

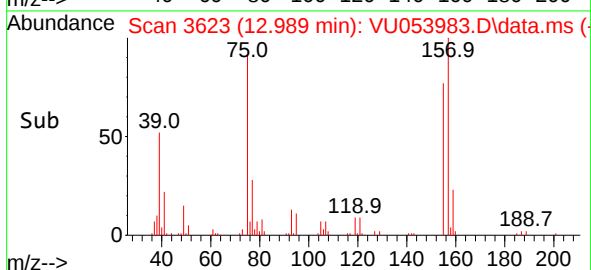
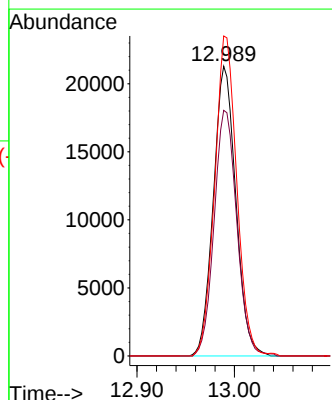
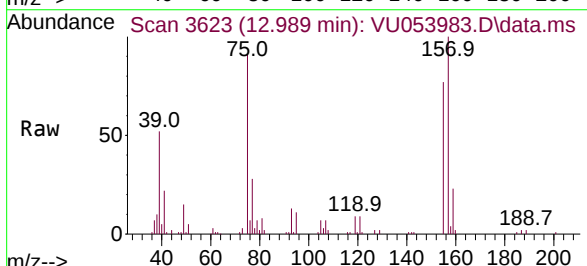
Tgt Ion: 75 Resp: 34141

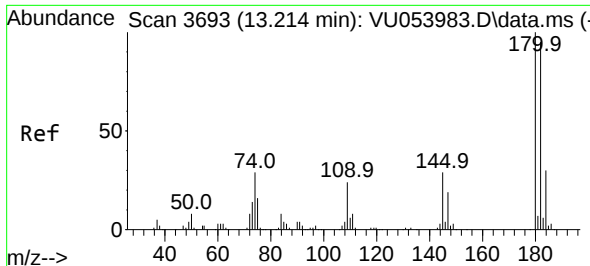
Ion Ratio Lower Upper

75 100

155 84.7 67.8 101.6

157 110.4 88.3 132.5

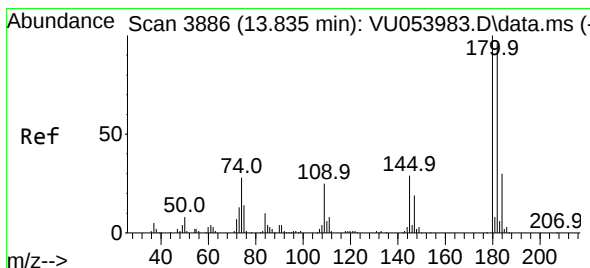
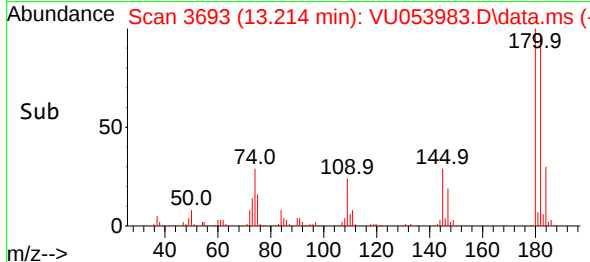
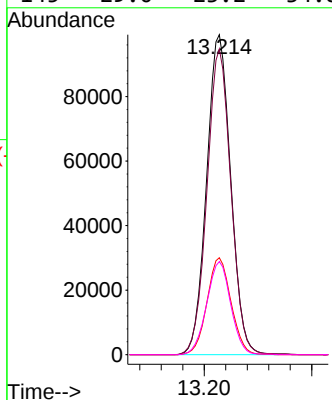
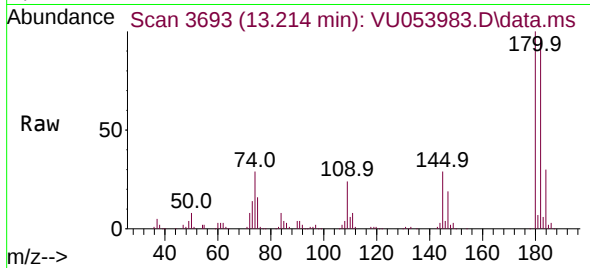




#69
1,3,5-Trichlorobenzene
Concen: 48.593 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

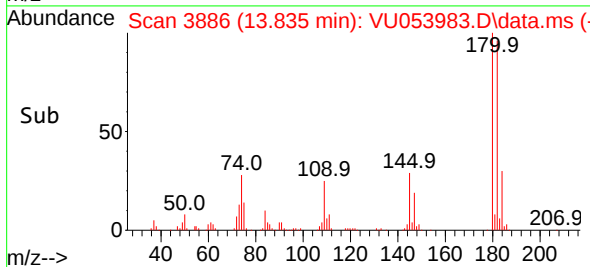
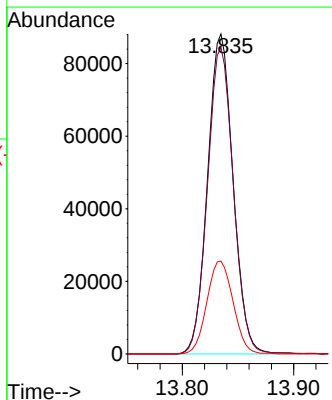
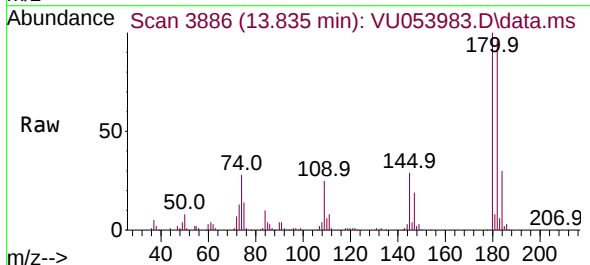
Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

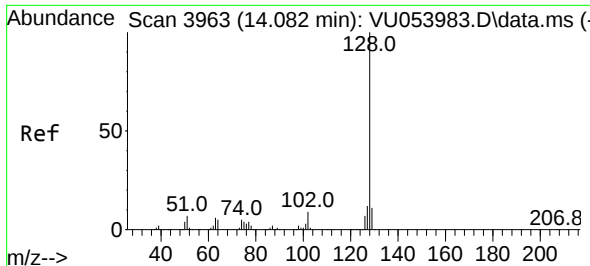
Tgt Ion:180	Resp: 154568
Ion Ratio	Lower Upper
180 100	
182 95.0	76.0 114.0
184 30.2	24.2 36.2
145 29.0	23.2 34.8



#70
1,2,4-trichlorobenzene
Concen: 47.648 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion:180	Resp: 140387
Ion Ratio	Lower Upper
180 100	
182 96.8	77.4 116.2
145 29.8	23.8 35.8

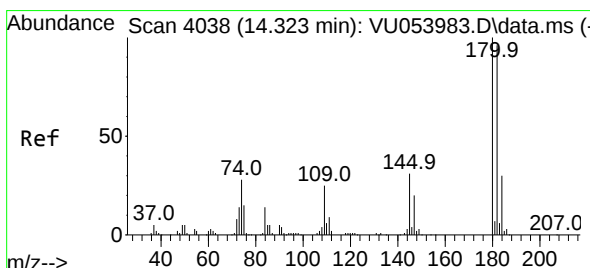
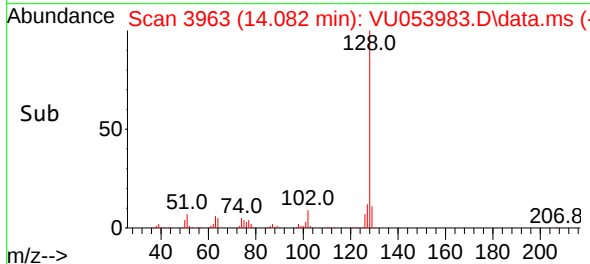
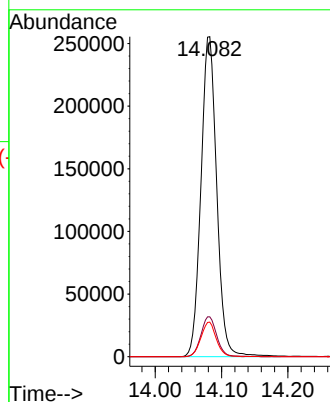
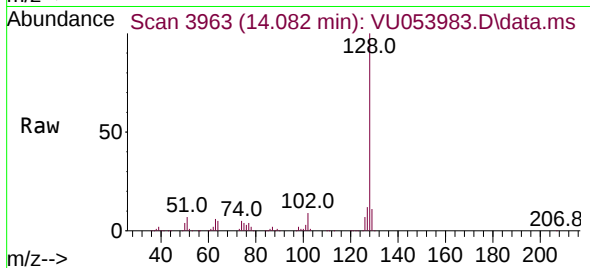




#71
Naphthalene
Concen: 48.164 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD050019

Tgt Ion:128 Resp: 423053
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 10.5 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 48.262 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053983.D
Acq: 29 Apr 2023 13:40

Tgt Ion:180 Resp: 142139
Ion Ratio Lower Upper
180 100
182 95.7 76.6 114.8
145 31.1 24.9 37.3

