

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U080422\
 Data File : U080422.D
 Acq On : 04 Aug 2022 23:01
 Operator : SY/MD
 Sample : N4027-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJG8

Quant Time: Aug 05 04:58:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 05 04:52:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	73897	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	73318	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	29615	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	30978	5.037	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 100.800%	
7) Chloroethane-d5	1.912	69	25569	5.153	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 103.000%	
11) 1,1-Dichloroethene-d2	2.565	65	12108	5.038	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 100.800%	
20) 2-Butanone-d5	4.636	46	99714	66.490	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 132.980%#	
24) Chloroform-d	5.063	84	61234	5.353	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 107.000%	
26) 1,2-Dichloroethane-d4	5.703	65	32887	5.600	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 112.000%	
32) Benzene-d6	5.729	84	123712	5.407	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 108.200%	
36) 1,2-Dichloropropane-d6	6.693	67	42038	5.579	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 111.600%	
41) Toluene-d8	7.899	98	101197	5.008	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 100.200%	
43) trans-1,3-Dichloroprop...	8.179	79	14122	5.230	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 104.600%	
46) 2-Hexanone-d5	8.636	63	57686	60.250	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 120.500%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	37657	5.691	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 113.800%	
66) 1,2-Dichlorobenzene-d4	12.195	152	35127	6.054	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 121.000%#	
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	1235	0.139	ug/L	84
5) Vinyl chloride	1.604	62	37158	4.681	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	31168	6.444	ug/L	97
12) 1,1-Dichloroethene	2.578	96	100316	19.639	ug/L #	74
13) Acetone	2.645	43	5567	6.666	ug/L	93
15) Methyl Acetate	3.044	43	913	0.400	ug/L #	46
17) Methyl tert-butyl Ether	3.366	73	4133	0.310	ug/L	95
18) trans-1,2-Dichloroethene	3.353	96	5165	0.903	ug/L	98
19) 1,1-Dichloroethane	3.870	63	99013	9.142	ug/L	99
21) 2-Butanone	4.726	43	2750	1.831	ug/L	77
22) cis-1,2-Dichloroethene	4.668	96	716921	112.937	ug/L	98
25) Chloroform	5.092	83	1521	0.132	ug/L	85
27) 1,2-Dichloroethane	5.796	62	18155	2.584	ug/L	96
29) 1,1,1-Trichloroethane	5.321	97	2321	0.258	ug/L #	90
30) Cyclohexane	5.388	56	1237	0.158	ug/L #	90
31) Carbon tetrachloride	5.530	117	1106	0.150	ug/L	96
33) Benzene	5.774	78	22047	0.858	ug/L	100
34) Trichloroethene	6.546	95	4343918	699.188	ug/L	96
35) Methylcyclohexane	6.693	83	9628	1.200	ug/L #	18

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080422\
 Data File : VU050080.D
 Acq On : 04 Aug 2022 23:01
 Operator : SY/MD
 Sample : N4027-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJG8

Quant Time: Aug 05 04:58:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 05 04:52:21 2022
 Response via : Initial Calibration

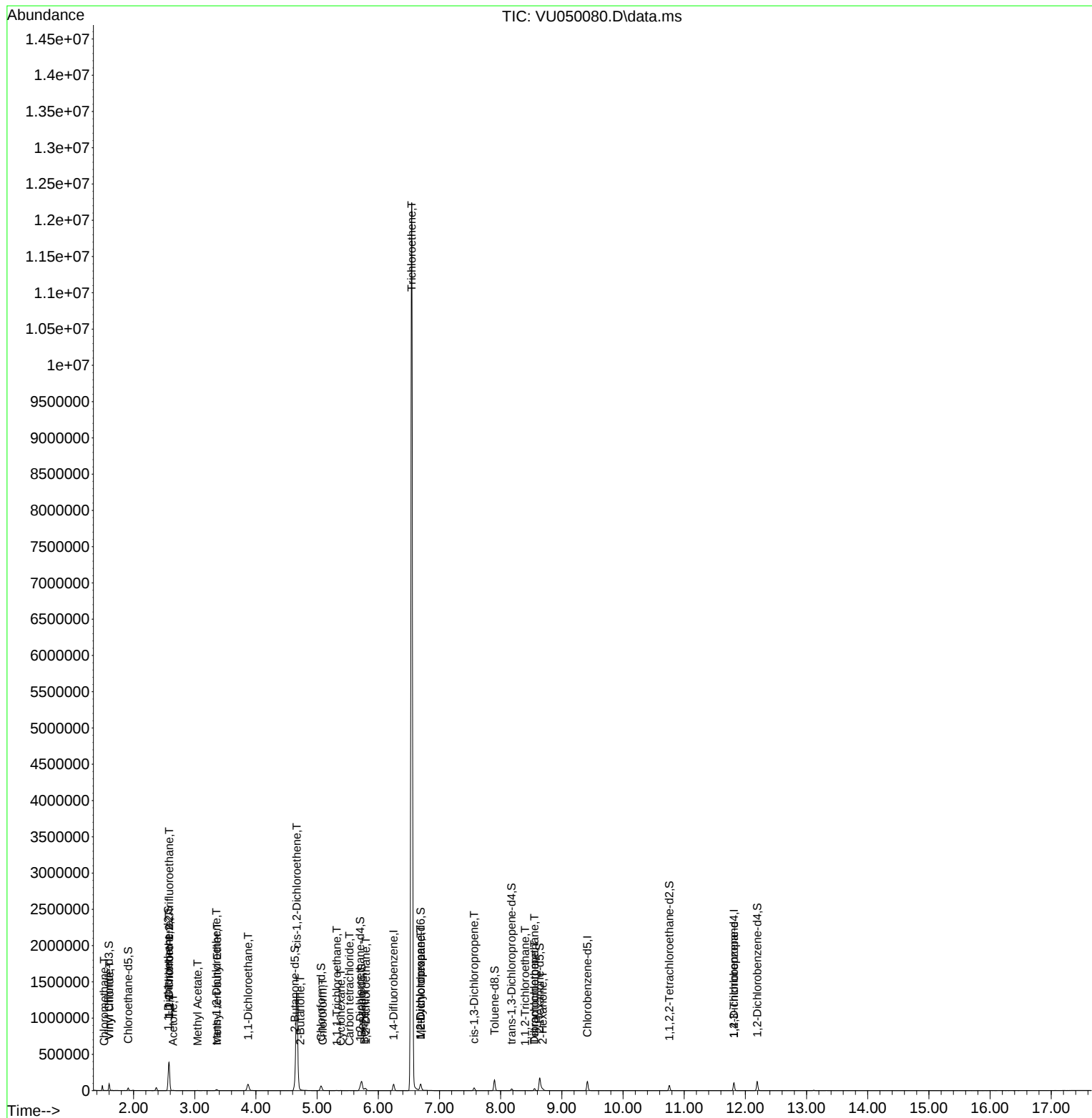
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,2-Dichloropropane	6.690	63	4241	0.620	ug/L #	89
39) cis-1,3-Dichloropropene	7.565	75	963	0.108	ug/L #	45
45) 1,1,2-Trichloroethane	8.401	97	792	0.155	ug/L	94
47) Tetrachloroethene	8.552	164	6569	1.476	ug/L	96
48) 2-Hexanone	8.687	43	13164	4.295	ug/L #	87
49) Dibromochloromethane	8.552	129	6502	1.149	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	3399	0.843	ug/L #	68

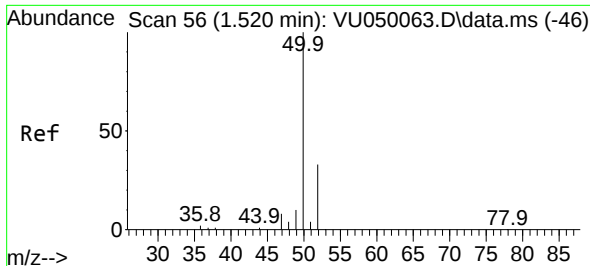
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080422\
Data File : VU050080.D
Acq On : 04 Aug 2022 23:01
Operator : SY/MD
Sample : N4027-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBJG8

Quant Time: Aug 05 04:58:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Aug 05 04:52:21 2022
Response via : Initial Calibration

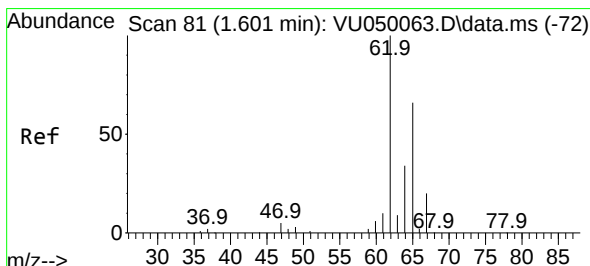
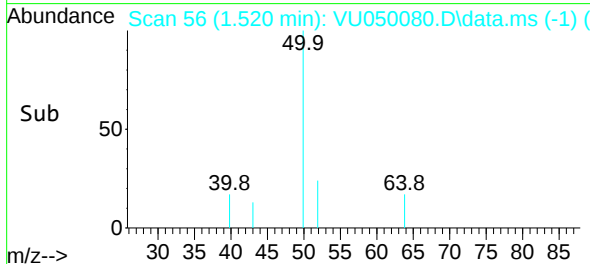
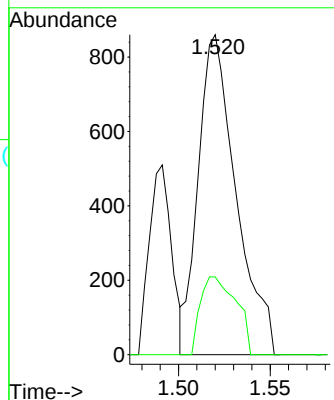
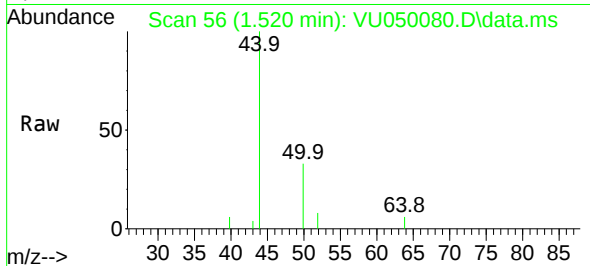




#3
Chloromethane
Concen: 0.139 ug/L
RT: 1.520 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU050080.D
Acq: 04 Aug 2022 23:01

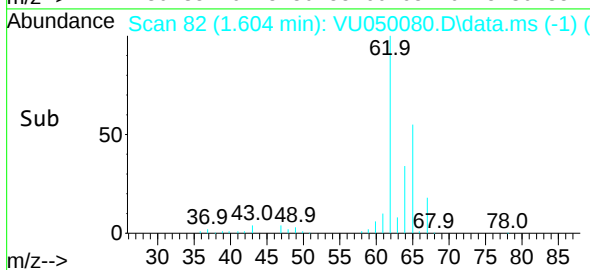
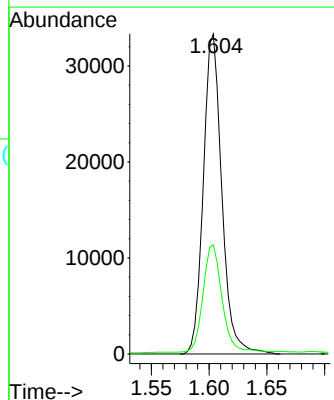
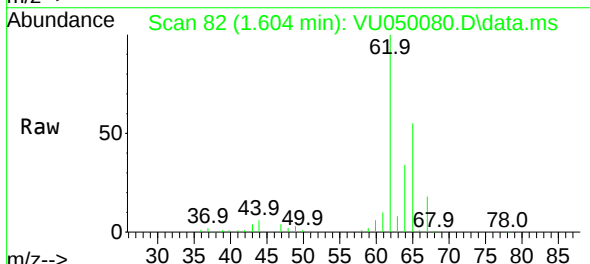
Instrument :
MSVOA_U
ClientSampleId :
GBJG8

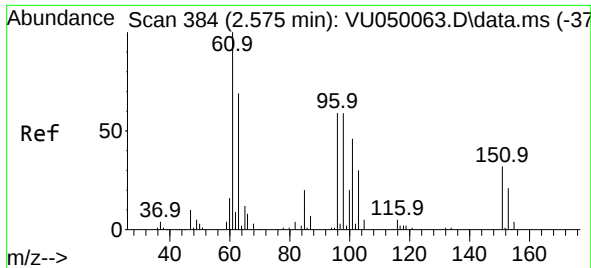
Tgt Ion: 50 Resp: 1235
Ion Ratio Lower Upper
50 100
52 24.3 23.2 43.2



#5
Vinyl chloride
Concen: 4.681 ug/L
RT: 1.604 min Scan# 82
Delta R.T. 0.003 min
Lab File: VU050080.D
Acq: 04 Aug 2022 23:01

Tgt Ion: 62 Resp: 37158
Ion Ratio Lower Upper
62 100
64 34.1 22.8 42.4

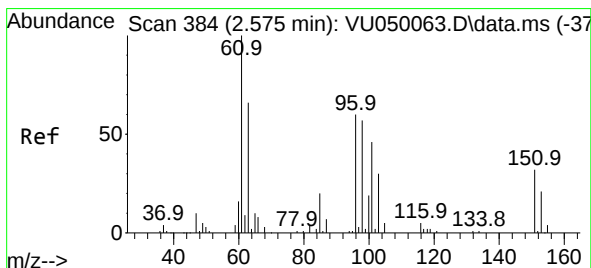
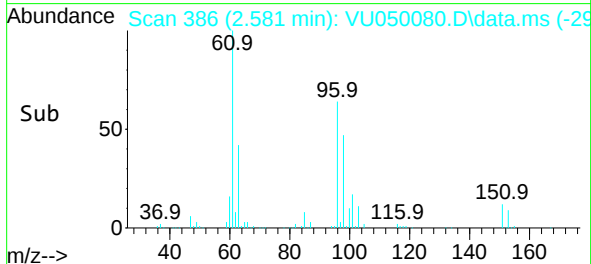
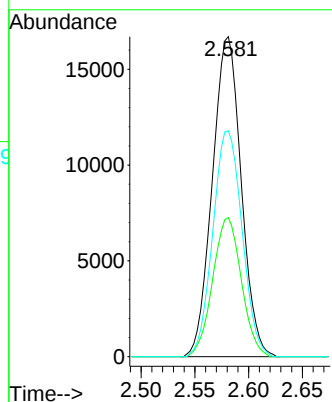
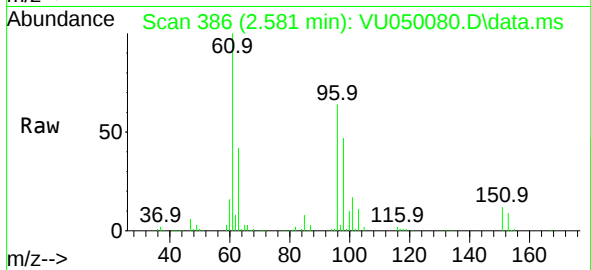




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 6.444 ug/L
 RT: 2.581 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VU050080.D
 Acq: 04 Aug 2022 23:01

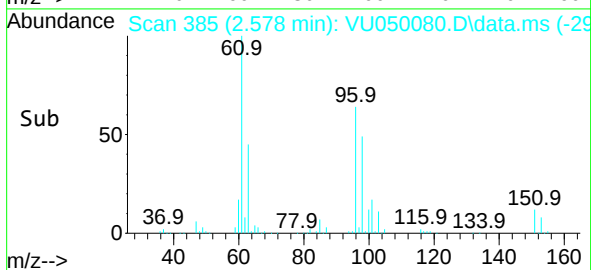
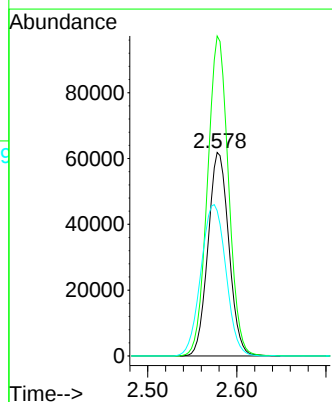
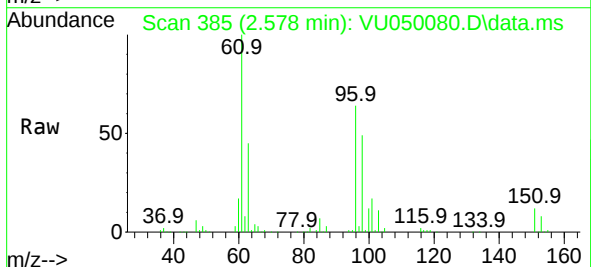
Instrument :
 MSVOA_U
 ClientSampleId :
 GBJG8

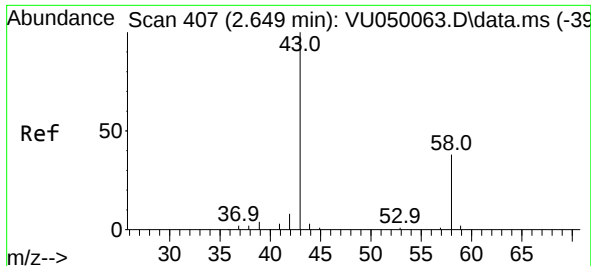
Tgt Ion:101 Resp: 31168
 Ion Ratio Lower Upper
 101 100
 85 43.1 35.6 53.4
 151 71.6 55.2 82.8



#12
 1,1-Dichloroethene
 Concen: 19.639 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU050080.D
 Acq: 04 Aug 2022 23:01

Tgt Ion: 96 Resp: 100316
 Ion Ratio Lower Upper
 96 100
 61 157.3 122.7 227.9
 63 71.4 85.1 158.1#





#13

Acetone

Concen: 6.666 ug/L

RT: 2.645 min Scan# 40

Delta R.T. -0.003 min

Lab File: VU050080.D

Acq: 04 Aug 2022 23:01

Instrument :

MSVOA_U

ClientSampleId :

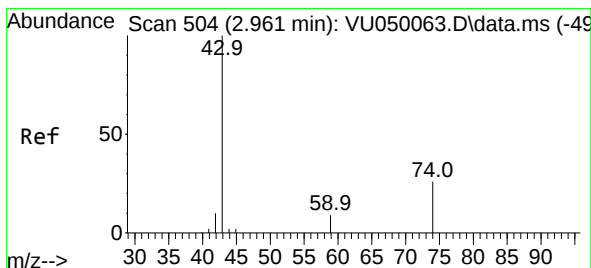
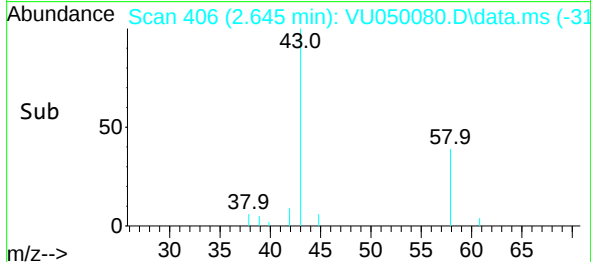
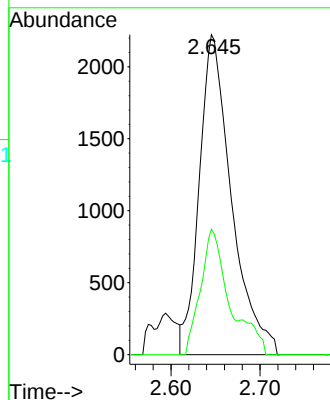
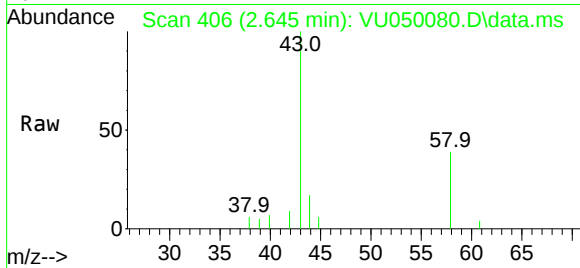
GBJG8

Tgt Ion: 43 Resp: 5567

Ion Ratio Lower Upper

43 100

58 35.7 0.0 64.0



#15

Methyl Acetate

Concen: 0.400 ug/L

RT: 3.044 min Scan# 530

Delta R.T. 0.083 min

Lab File: VU050080.D

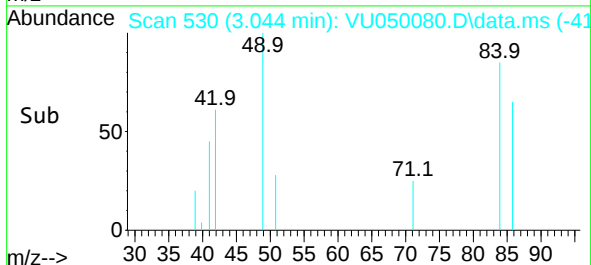
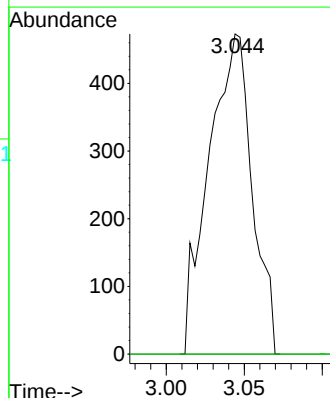
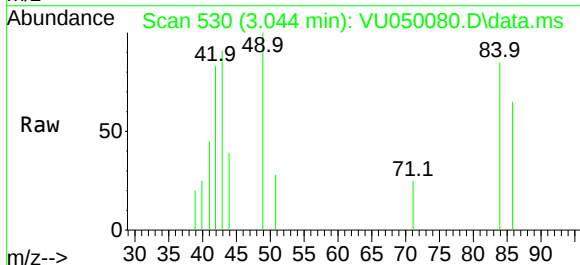
Acq: 04 Aug 2022 23:01

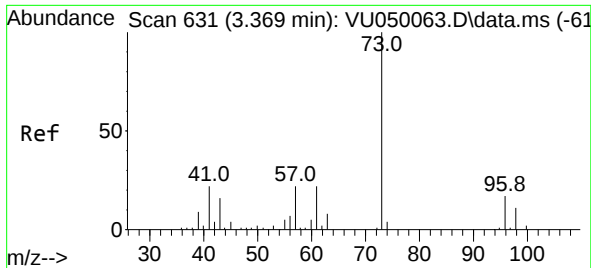
Tgt Ion: 43 Resp: 913

Ion Ratio Lower Upper

43 100

74 0.0 22.7 34.1#





#17

Methyl tert-butyl Ether

Concen: 0.310 ug/L

RT: 3.366 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050080.D

Acq: 04 Aug 2022 23:01

Instrument :

MSVOA_U

ClientSampleId :

GBJG8

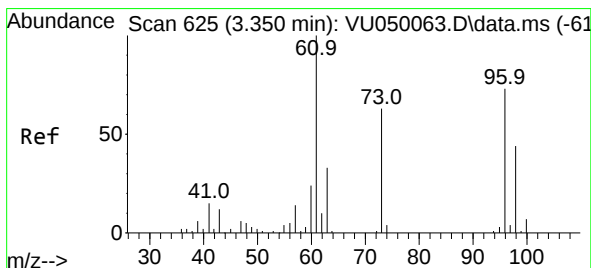
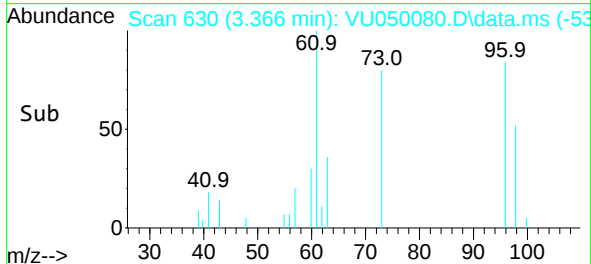
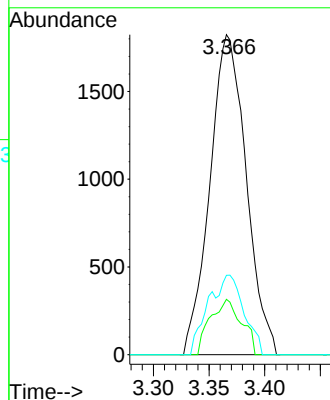
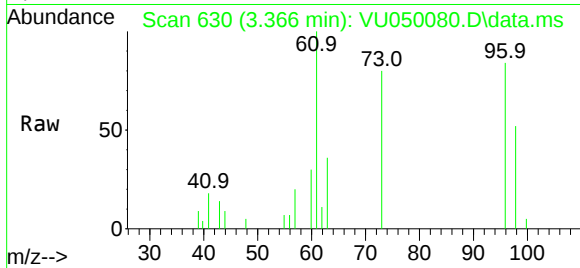
Tgt Ion: 73 Resp: 4133

Ion Ratio Lower Upper

73 100

43 14.9 13.5 20.3

57 24.5 17.4 26.2



#18

trans-1,2-Dichloroethene

Concen: 0.903 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.003 min

Lab File: VU050080.D

Acq: 04 Aug 2022 23:01

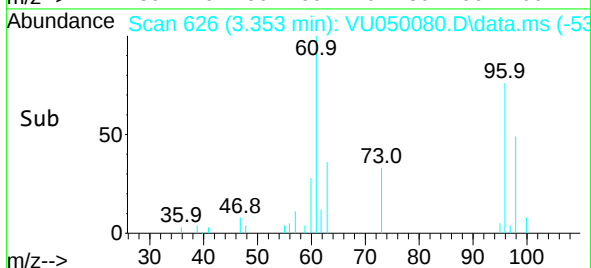
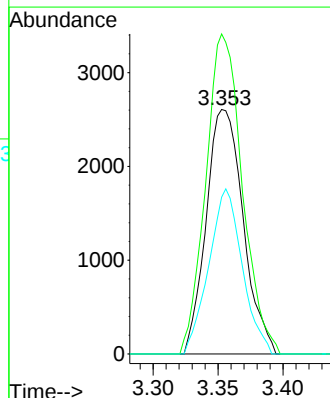
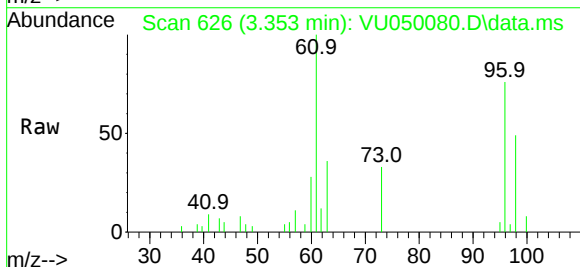
Tgt Ion: 96 Resp: 5165

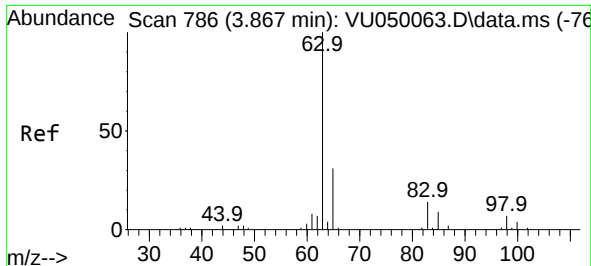
Ion Ratio Lower Upper

96 100

61 130.9 92.3 171.5

98 64.1 43.2 80.2

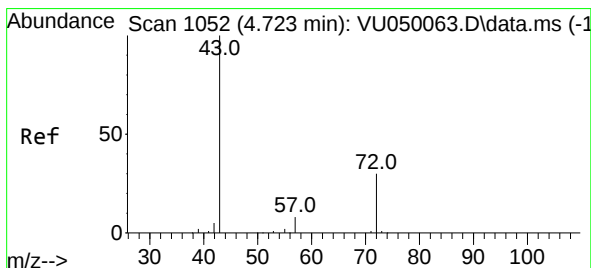
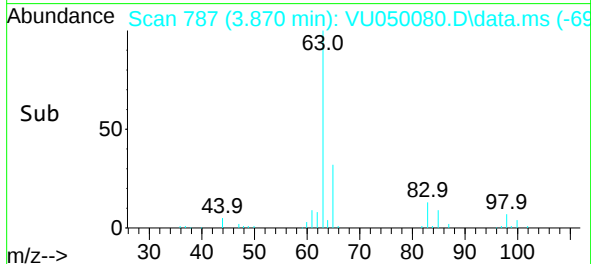
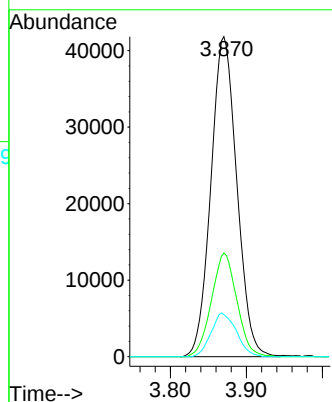
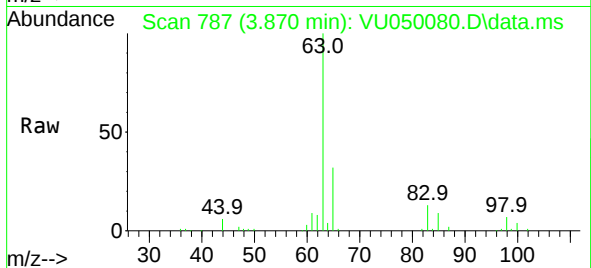




#19
1,1-Dichloroethane
Concen: 9.142 ug/L
RT: 3.870 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU050080.D
Acq: 04 Aug 2022 23:01

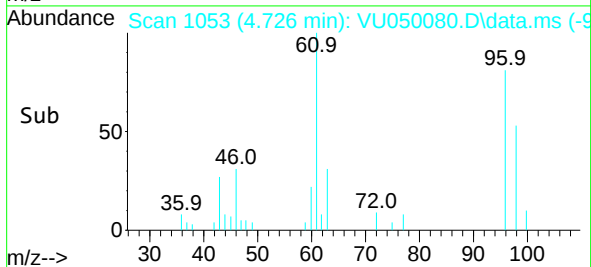
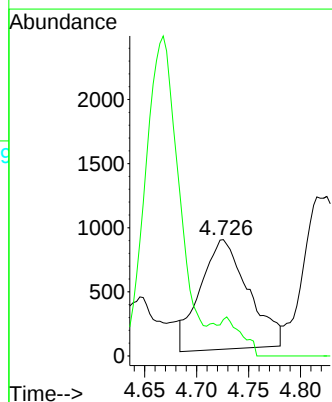
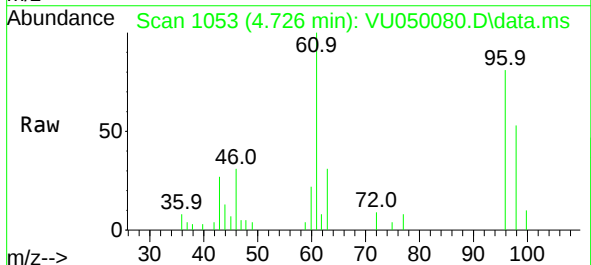
Instrument :
MSVOA_U
ClientSampleId :
GBJG8

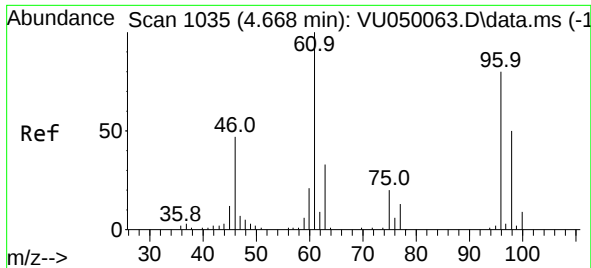
Tgt Ion: 63 Resp: 99013
Ion Ratio Lower Upper
63 100
65 32.4 22.7 42.3
83 13.2 9.8 18.2



#21
2-Butanone
Concen: 1.831 ug/L
RT: 4.726 min Scan# 1053
Delta R.T. 0.003 min
Lab File: VU050080.D
Acq: 04 Aug 2022 23:01

Tgt Ion: 43 Resp: 2750
Ion Ratio Lower Upper
43 100
72 15.7 14.0 42.0

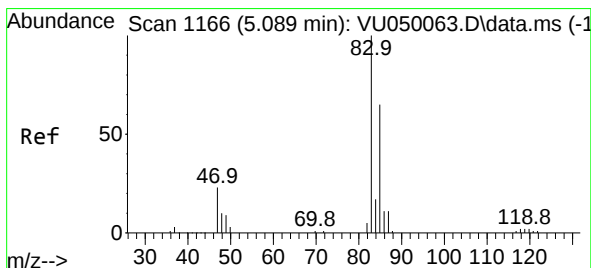
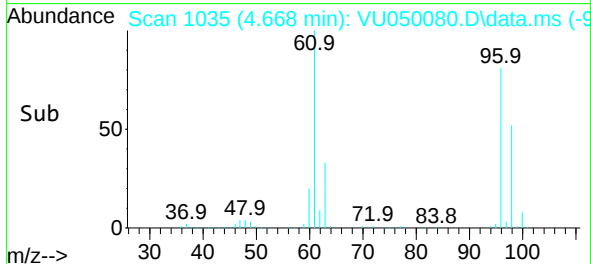
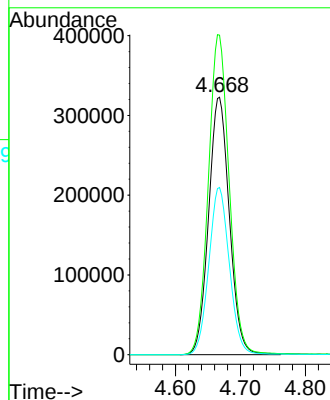
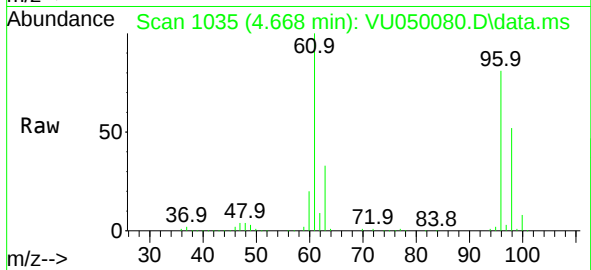




#22
 cis-1,2-Dichloroethene
 Concen: 112.937 ug/L
 RT: 4.668 min Scan# 1167
 Delta R.T. -0.000 min
 Lab File: VU050080.D
 Acq: 04 Aug 2022 23:01

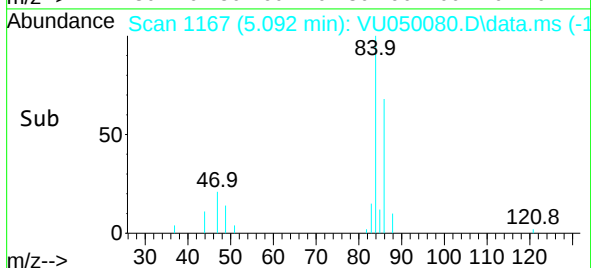
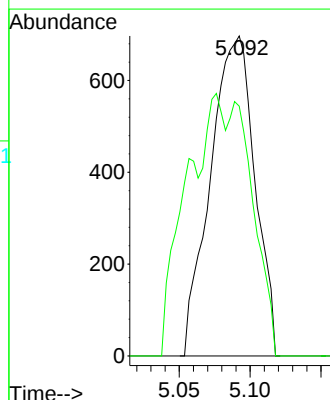
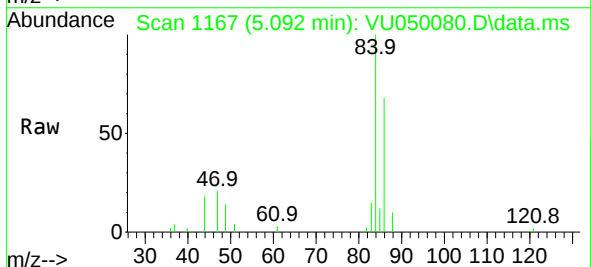
Instrument :
 MSVOA_U
 ClientSampleId :
 GBJG8

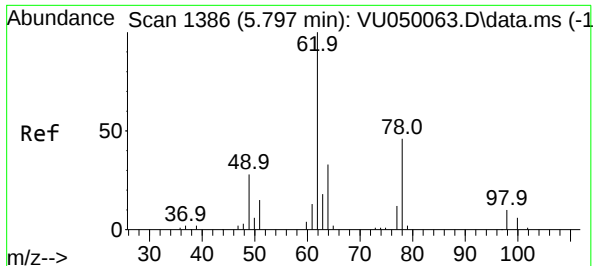
Tgt Ion: 96 Resp: 716921
 Ion Ratio Lower Upper
 96 100
 61 124.2 89.0 165.4
 98 65.0 45.2 84.0



#25
 Chloroform
 Concen: 0.132 ug/L
 RT: 5.092 min Scan# 1167
 Delta R.T. 0.003 min
 Lab File: VU050080.D
 Acq: 04 Aug 2022 23:01

Tgt Ion: 83 Resp: 1521
 Ion Ratio Lower Upper
 83 100
 85 78.0 46.1 85.5





#27

1,2-Dichloroethane

Concen: 2.584 ug/L

RT: 5.796 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050080.D

Acq: 04 Aug 2022 23:01

Instrument :

MSVOA_U

ClientSampleId :

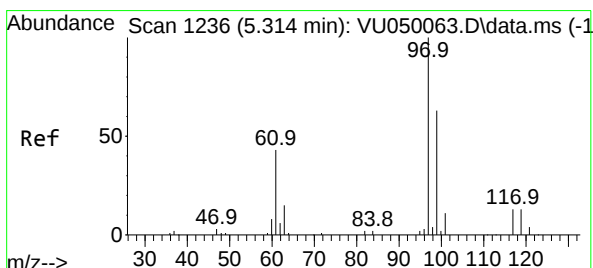
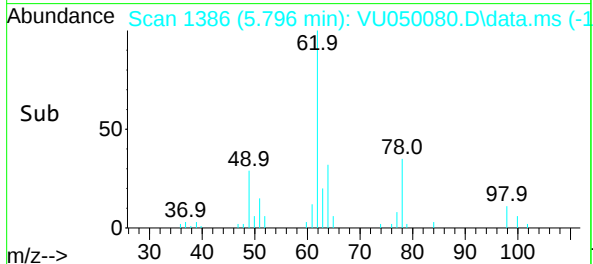
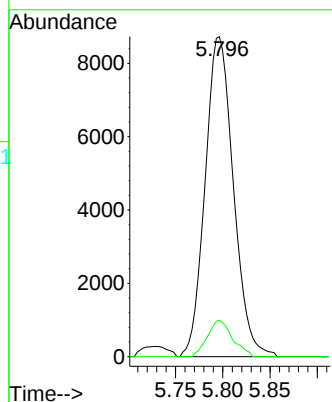
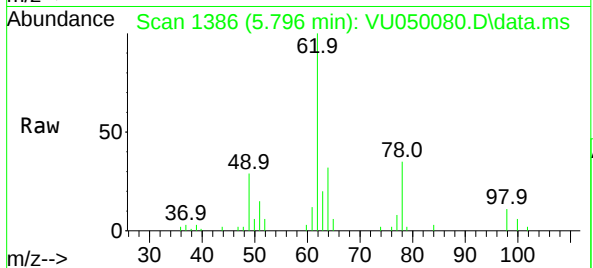
GBJG8

Tgt Ion: 62 Resp: 18155

Ion Ratio Lower Upper

62 100

98 11.3 7.8 11.8



#29

1,1,1-Trichloroethane

Concen: 0.258 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.006 min

Lab File: VU050080.D

Acq: 04 Aug 2022 23:01

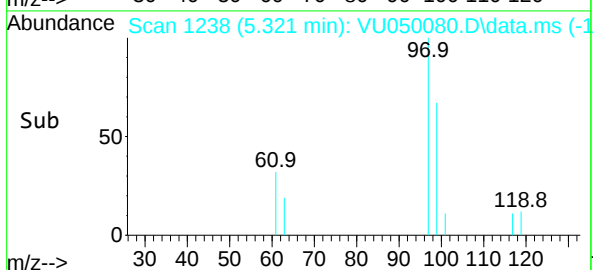
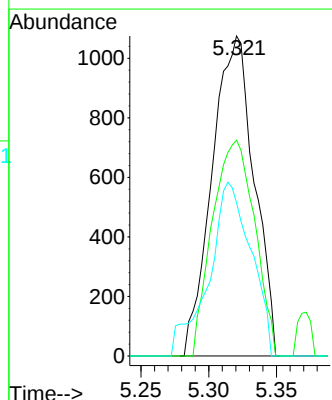
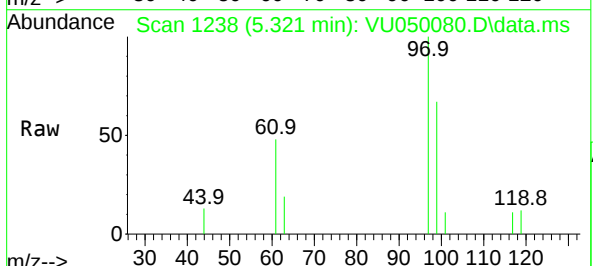
Tgt Ion: 97 Resp: 2321

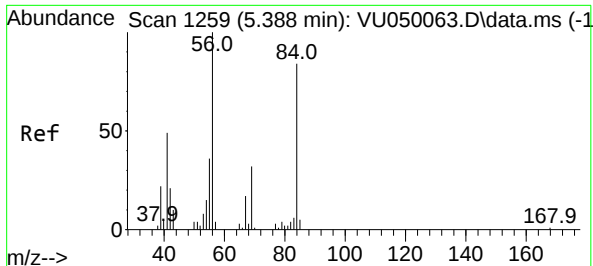
Ion Ratio Lower Upper

97 100

99 67.6 51.5 77.3

61 54.6 34.2 51.4#





#30

Cyclohexane

Concen: 0.158 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU050080.D

Acq: 04 Aug 2022 23:01

Instrument :

MSVOA_U

ClientSampleId :

GBJG8

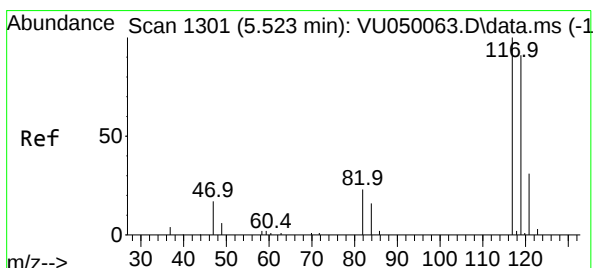
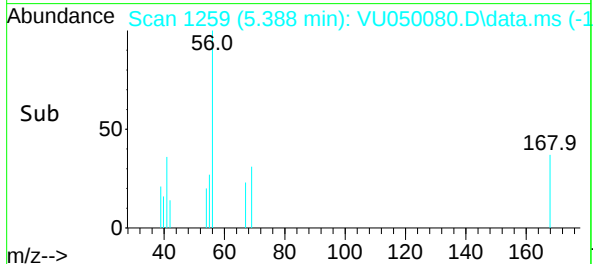
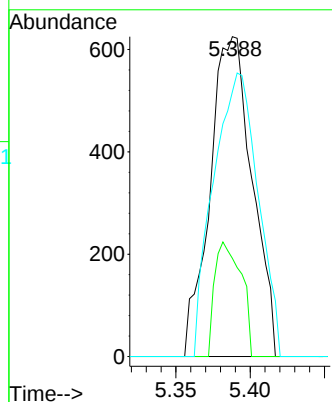
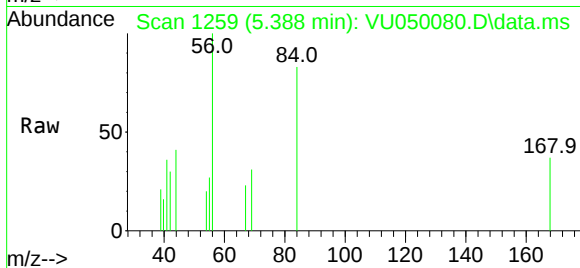
Tgt Ion: 56 Resp: 1237

Ion Ratio Lower Upper

56 100

69 22.4 24.6 37.0#

84 93.4 69.1 103.7



#31

Carbon tetrachloride

Concen: 0.150 ug/L

RT: 5.530 min Scan# 1303

Delta R.T. 0.006 min

Lab File: VU050080.D

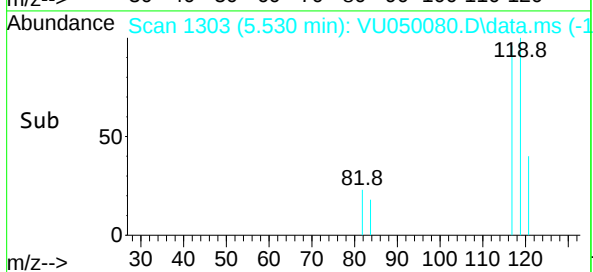
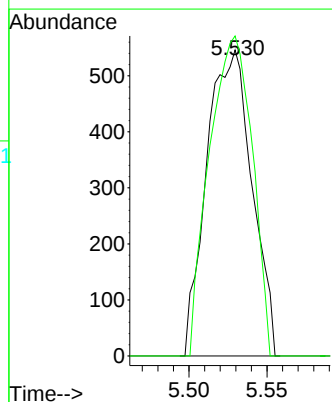
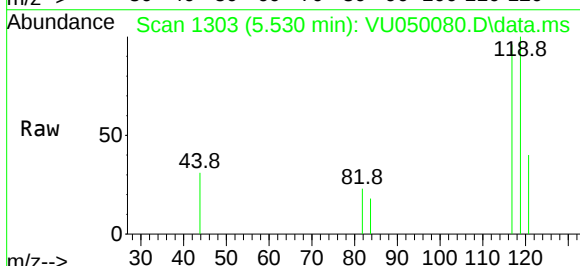
Acq: 04 Aug 2022 23:01

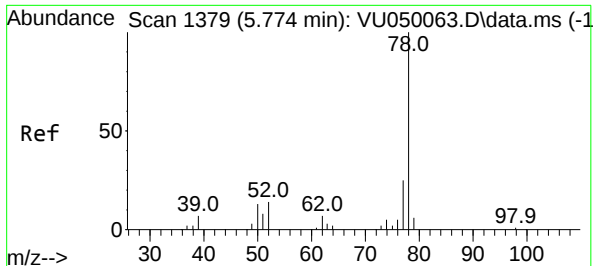
Tgt Ion: 117 Resp: 1106

Ion Ratio Lower Upper

117 100

119 99.0 76.0 114.0

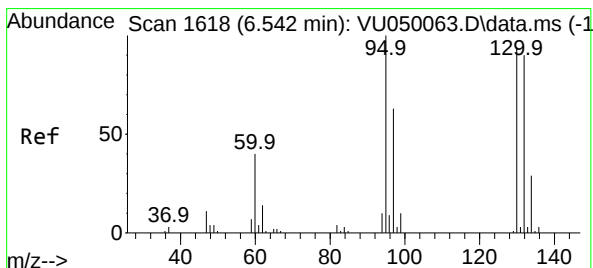
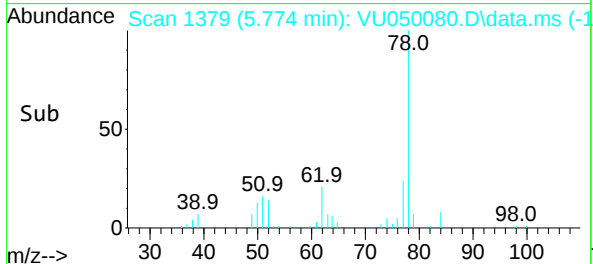
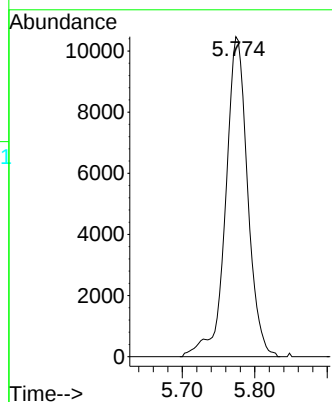
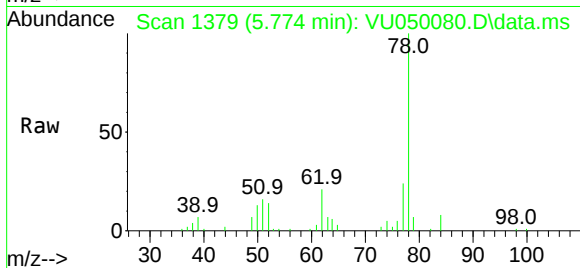




#33
Benzene
Concen: 0.858 ug/L
RT: 5.774 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU050080.D
Acq: 04 Aug 2022 23:01

Instrument :
MSVOA_U
ClientSampleId :
GBJG8

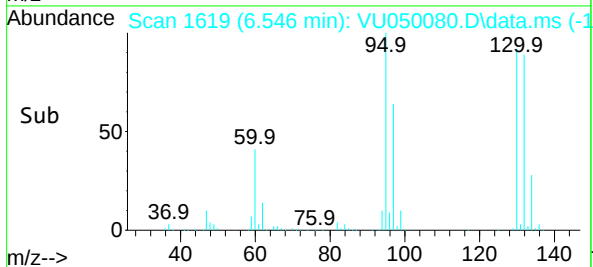
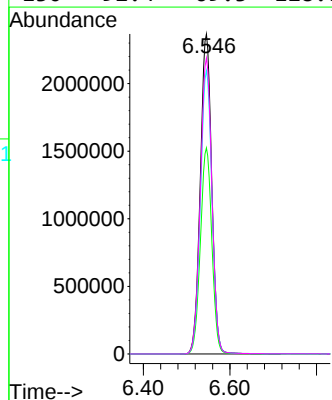
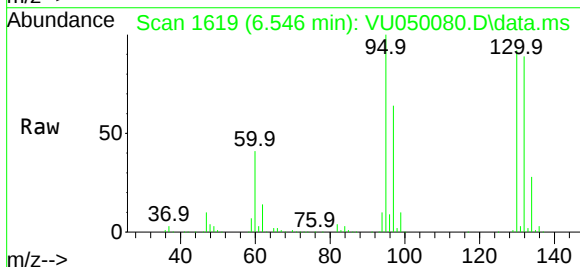
Tgt Ion: 78 Resp: 22047

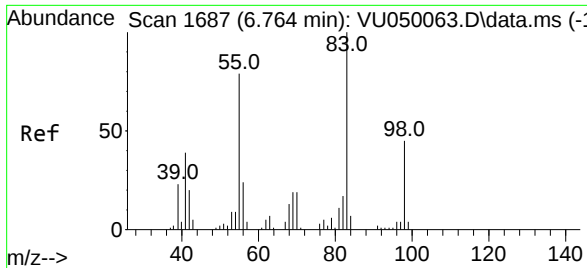


#34
Trichloroethene
Concen: 699.188 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.003 min
Lab File: VU050080.D
Acq: 04 Aug 2022 23:01

Tgt Ion: 95 Resp: 4343918

Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.6	84.8
132	88.5	65.0	120.6
130	92.4	69.3	128.7

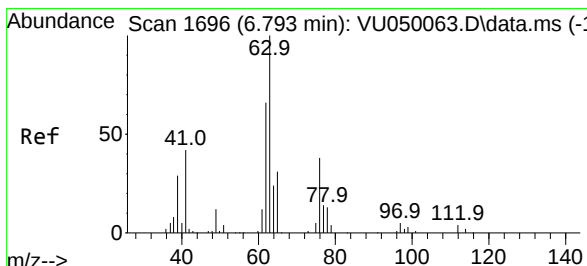
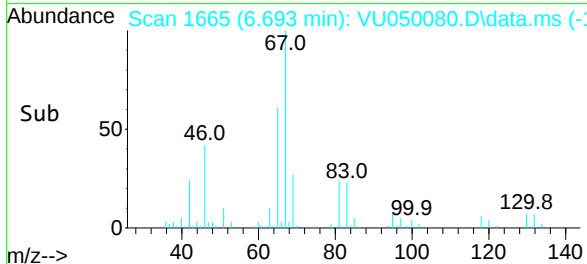
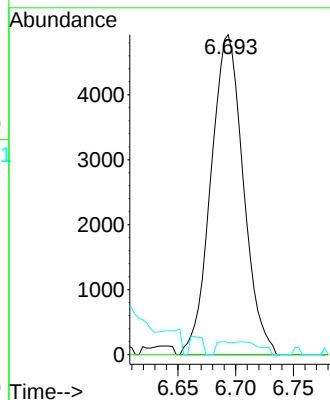
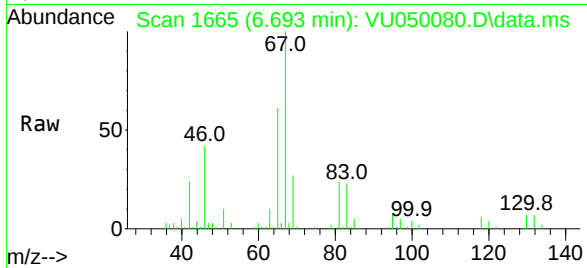




#35
Methylcyclohexane
Concen: 1.200 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.071 min
Lab File: VU050080.D
Acq: 04 Aug 2022 23:01

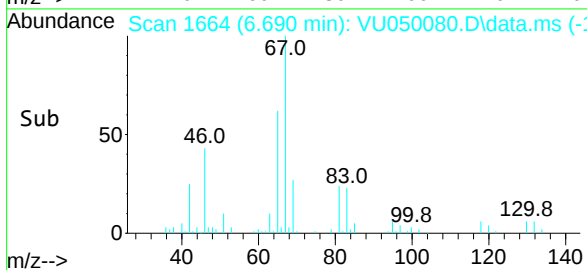
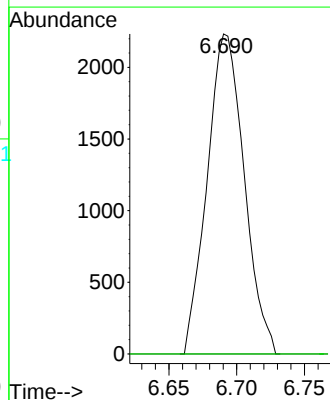
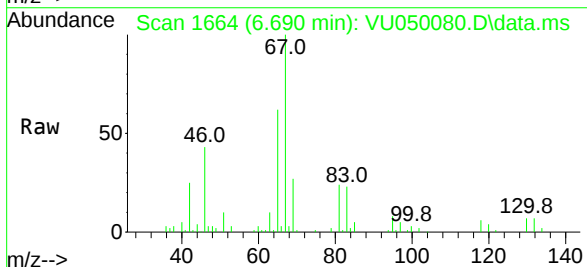
Instrument :
MSVOA_U
ClientSampleId :
GBJG8

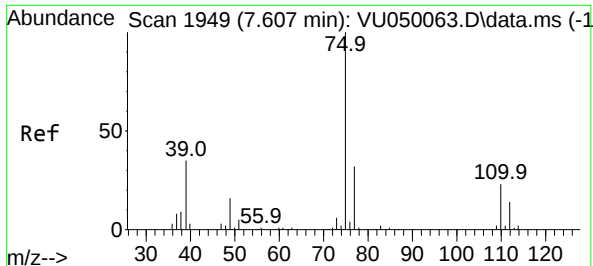
Tgt Ion: 83 Resp: 9628
Ion Ratio Lower Upper
83 100
55 0.0 62.7 94.1#
98 0.0 36.2 54.2#



#37
1,2-Dichloropropane
Concen: 0.620 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU050080.D
Acq: 04 Aug 2022 23:01

Tgt Ion: 63 Resp: 4241
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#

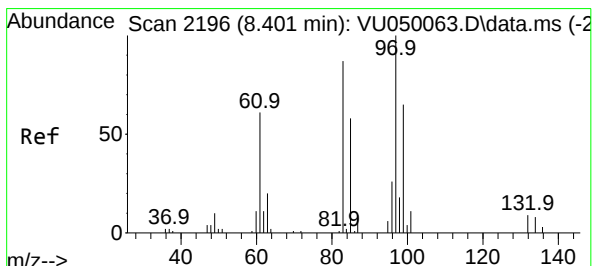
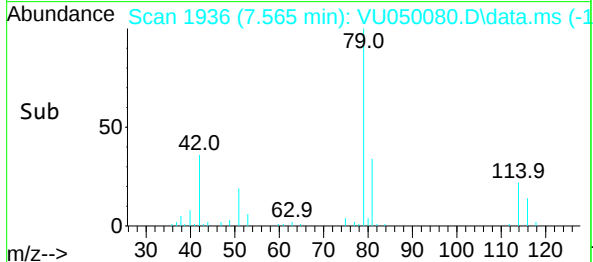
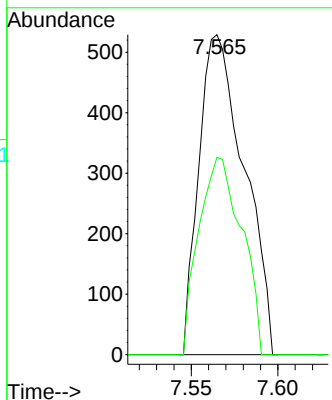
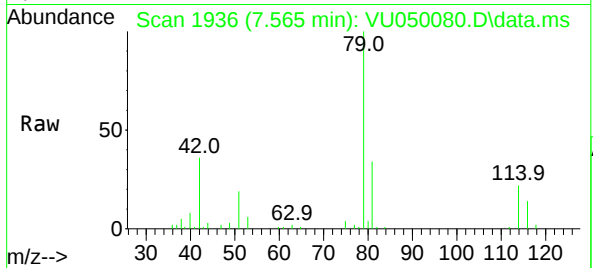




#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.565 min Scan# 1936
 Delta R.T. -0.042 min
 Lab File: VU050080.D
 Acq: 04 Aug 2022 23:01

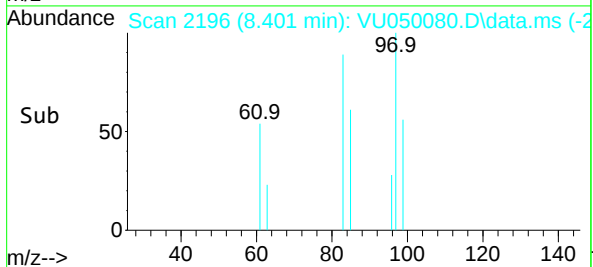
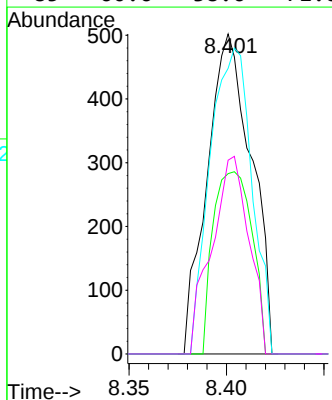
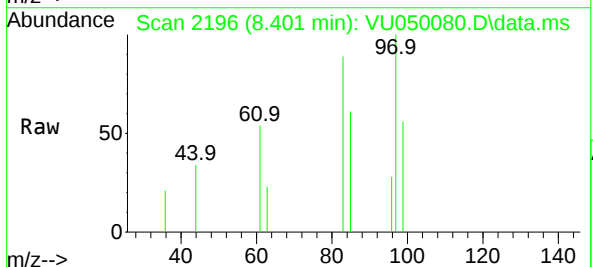
Instrument :
 MSVOA_U
 ClientSampleId :
 GBJG8

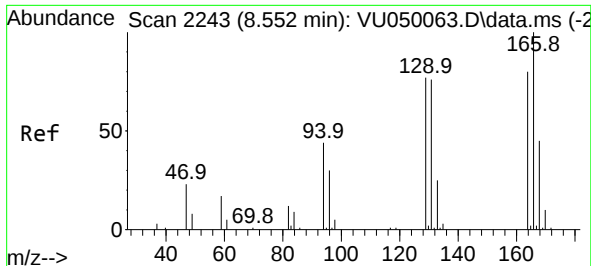
Tgt Ion: 75 Resp: 963
 Ion Ratio Lower Upper
 75 100
 77 61.6 21.8 40.4#



#45
 1,1,2-Trichloroethane
 Concen: 0.155 ug/L
 RT: 8.401 min Scan# 2196
 Delta R.T. -0.000 min
 Lab File: VU050080.D
 Acq: 04 Aug 2022 23:01

Tgt Ion: 97 Resp: 792
 Ion Ratio Lower Upper
 97 100
 99 56.4 42.2 78.4
 83 89.2 59.6 110.6
 85 60.6 38.6 71.8





#47

Tetrachloroethene

Concen: 1.476 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU050080.D

Acq: 04 Aug 2022 23:01

Instrument :

MSVOA_U

ClientSampleId :

GBJG8

Tgt Ion:164 Resp: 6569

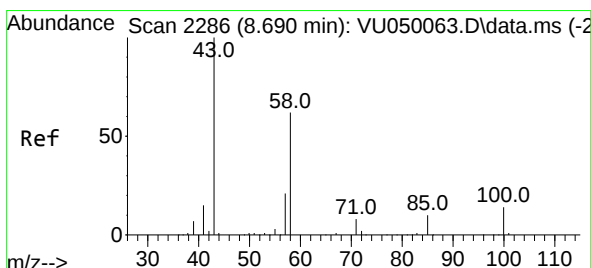
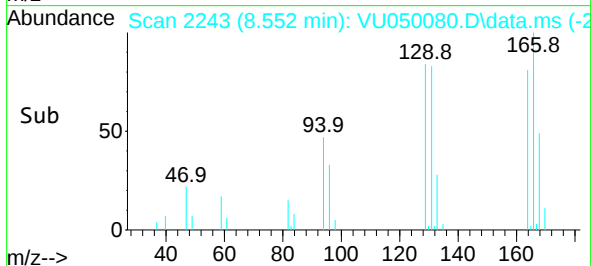
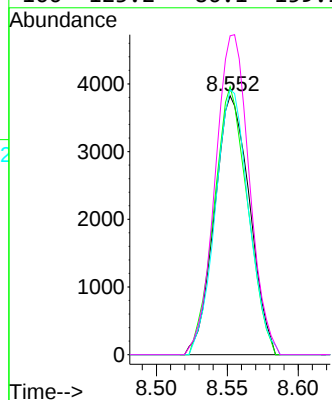
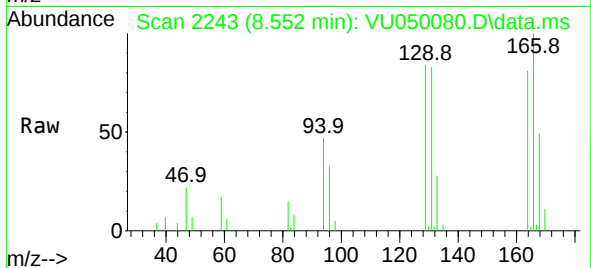
Ion Ratio Lower Upper

164 100

129 103.6 69.0 128.1

131 102.4 65.8 122.2

166 123.2 86.1 159.9



#48

2-Hexanone

Concen: 4.295 ug/L

RT: 8.687 min Scan# 2285

Delta R.T. -0.003 min

Lab File: VU050080.D

Acq: 04 Aug 2022 23:01

Tgt Ion: 43 Resp: 13164

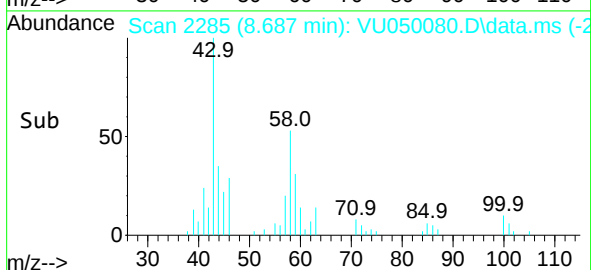
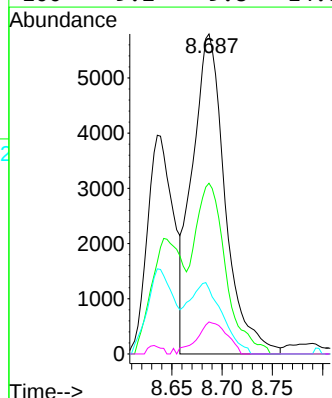
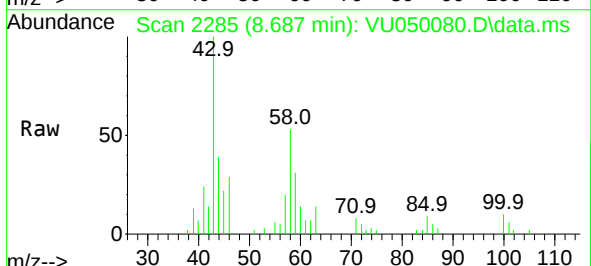
Ion Ratio Lower Upper

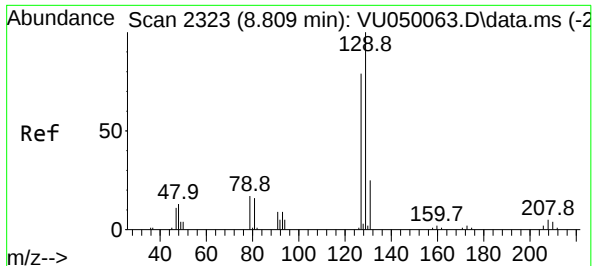
43 100

58 50.8 50.6 76.0

57 23.2 16.0 24.0

100 9.2 9.8 14.8#





#49

Dibromochloromethane

Concen: 1.149 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU050080.D

Acq: 04 Aug 2022 23:01

Instrument :

MSVOA_U

ClientSampleId :

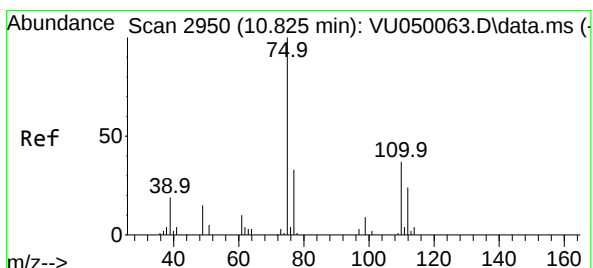
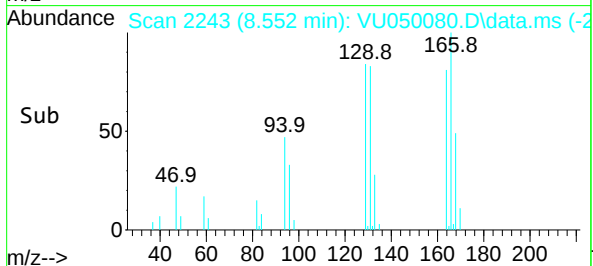
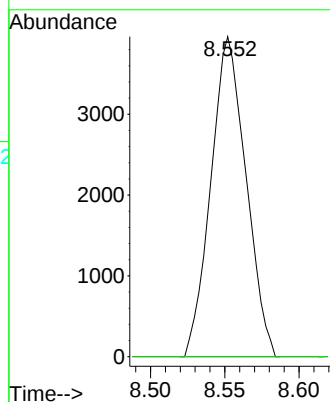
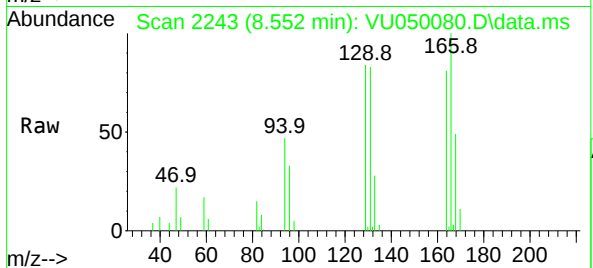
GBJG8

Tgt Ion:129 Resp: 6502

Ion Ratio Lower Upper

129 100

127 0.0 55.3 102.7#



#61

1,2,3-Trichloropropane

Concen: 0.843 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU050080.D

Acq: 04 Aug 2022 23:01

Tgt Ion: 75 Resp: 3399

Ion Ratio Lower Upper

75 100

110 1.4 28.5 42.7#

77 33.7 25.8 38.6

