

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054280.D
 Acq On : 26 May 2023 13:04
 Operator : JC/MD
 Sample : 02936-03 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 20BR-20230523

Quant Time: May 30 00:00:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

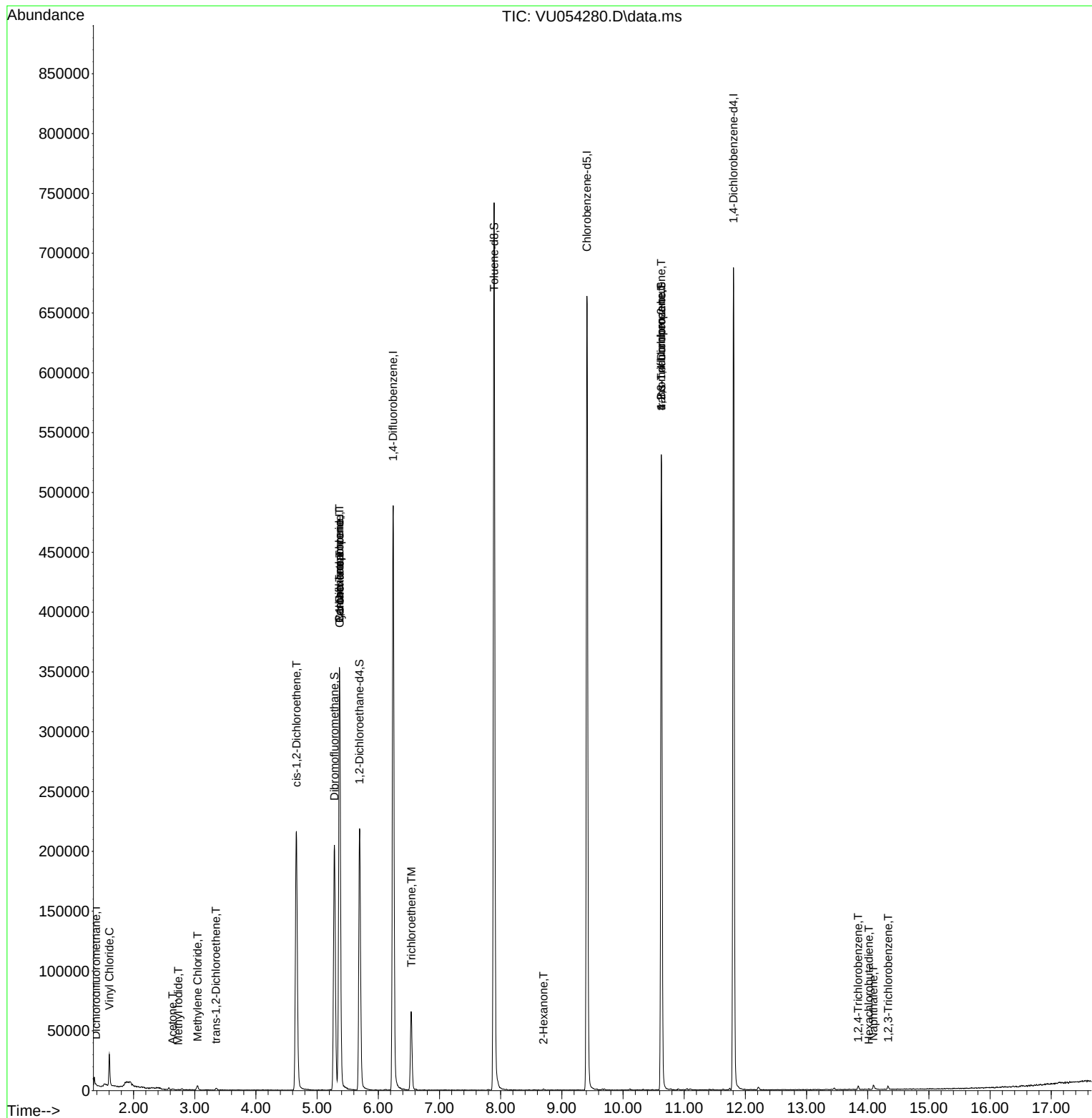
Internal Standards						
1) Pentafluorobenzene	5.366	168	259690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	408824	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	385864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	191882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	167322	49.151	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.300%		
35) Dibromofluoromethane	5.282	113	136290	51.767	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.540%		
50) Toluene-d8	7.893	98	498775	49.807	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.620%		
62) 4-Bromofluorobenzene	10.626	95	178581	45.992	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	611	0.211	ug/l	83
4) Vinyl Chloride	1.604	62	20719	5.721	ug/l	100
10) Methyl Iodide	2.732	142	278	2.413	ug/l #	43
16) Acetone	2.639	43	819	0.420	ug/l #	83
20) Methylene Chloride	3.044	84	2015	0.572	ug/l	98
21) trans-1,2-Dichloroethene	3.346	96	721	0.241	ug/l #	75
27) cis-1,2-Dichloroethene	4.662	96	120542	36.233	ug/l	92
31) Cyclohexane	5.369	56	5070	1.055	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	19234	4.651	ug/l #	49
38) Carbon Tetrachloride	5.366	117	24170	5.711	ug/l #	15
44) Trichloroethene	6.539	130	23306	7.069	ug/l	100
59) 2-Hexanone	8.700	43	824	0.225	ug/l	98
76) 1,2,3-Trichloropropane	10.626	75	92195	16.463	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.626	75	92195	62.689	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.841	180	1023	1.868	ug/l	65
94) Hexachlorobutadiene	14.018	225	121	0.879	ug/l #	57
95) Naphthalene	14.092	128	3975	2.260	ug/l #	75
96) 1,2,3-Trichlorobenzene	14.336	180	1020	1.482	ug/l	90

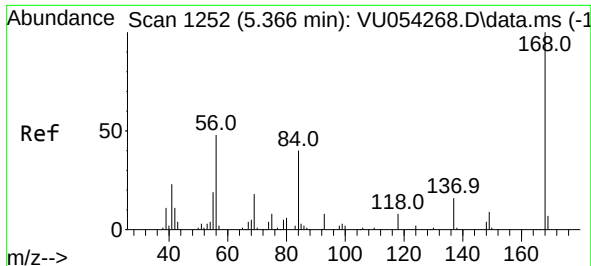
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
Data File : VU054280.D
Acq On : 26 May 2023 13:04
Operator : JC/MD
Sample : 02936-03 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
20BR-20230523

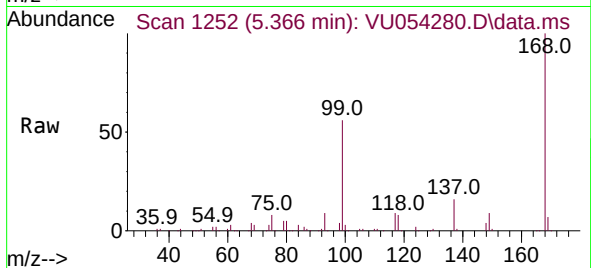
Quant Time: May 30 00:00:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
Quant Title : SW846 8260
QLast Update : Fri May 26 06:40:51 2023
Response via : Initial Calibration



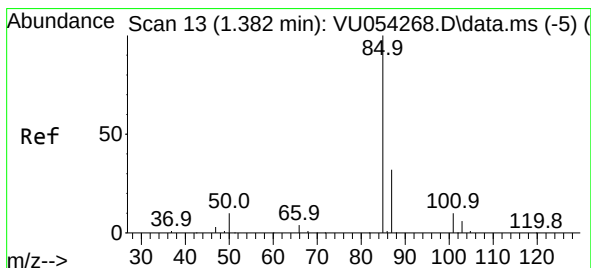
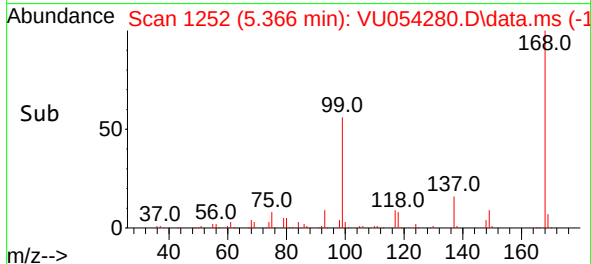
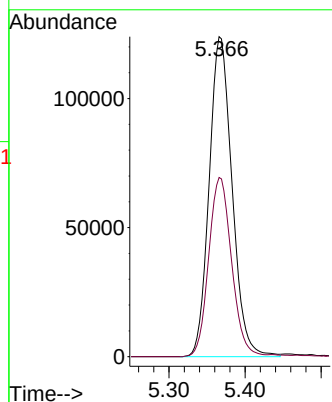


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

Instrument :
MSVOA_U
ClientSampleId :
20BR-20230523

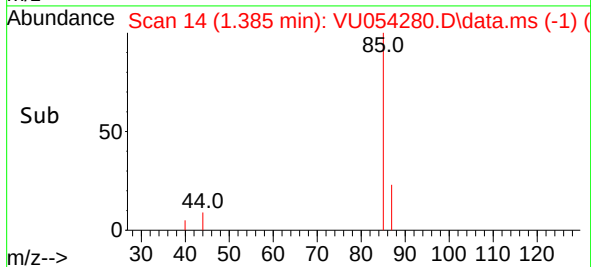
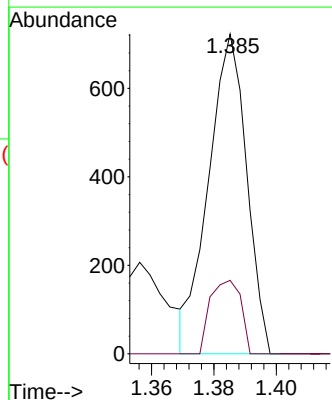
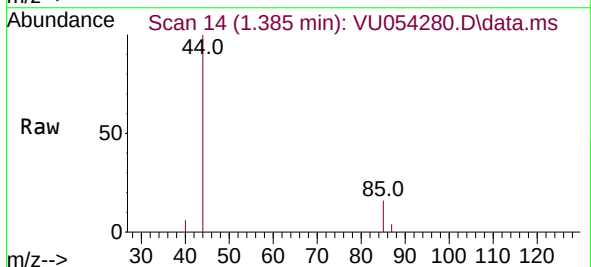


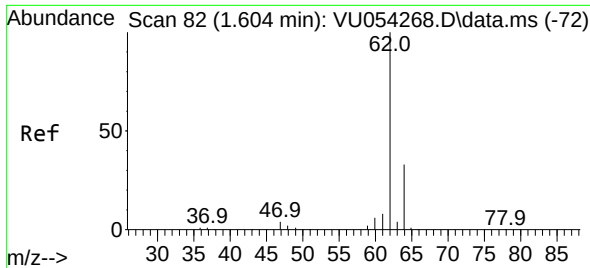
Tgt Ion:168 Resp: 259690
Ion Ratio Lower Upper
168 100
99 56.0 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.211 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

Tgt Ion: 85 Resp: 611
Ion Ratio Lower Upper
85 100
87 23.0 16.4 49.2

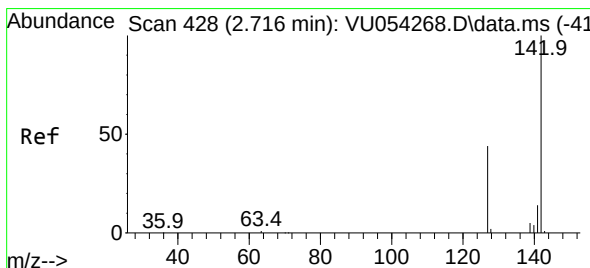
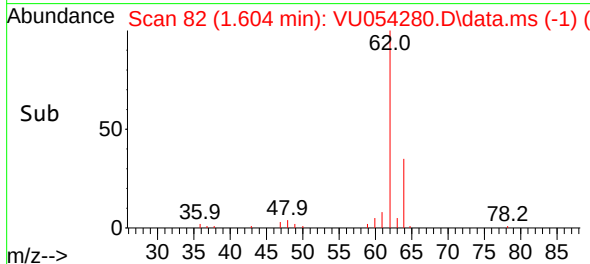
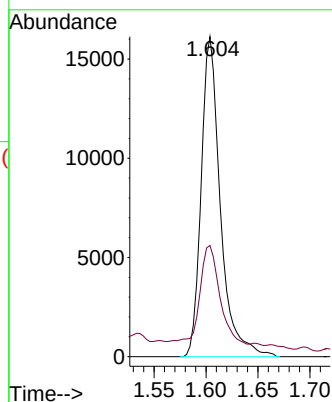
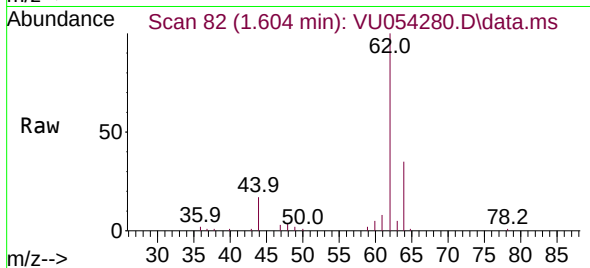




#4
 Vinyl Chloride
 Concen: 5.721 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054280.D
 Acq: 26 May 2023 13:04

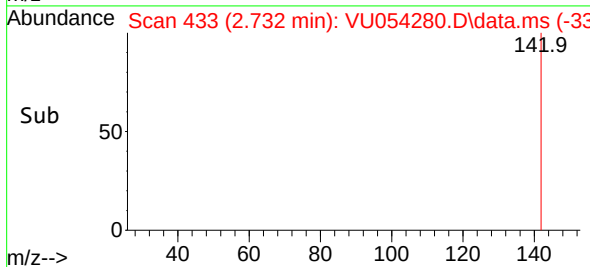
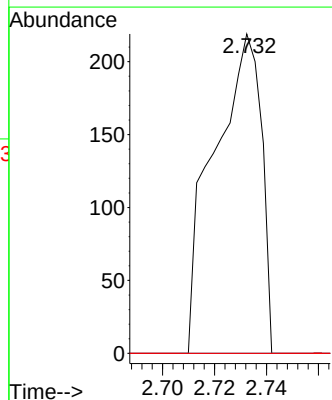
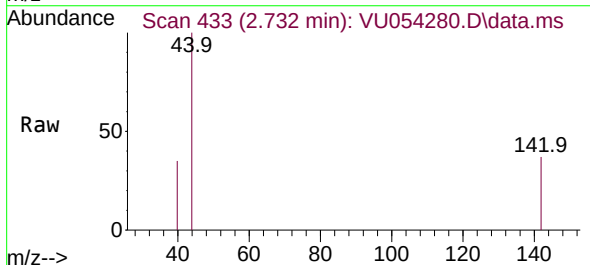
Instrument :
 MSVOA_U
 ClientSampleId :
 20BR-20230523

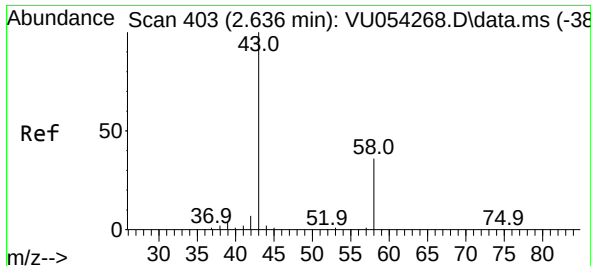
Tgt Ion: 62 Resp: 20719
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.3 37.9



#10
 Methyl Iodide
 Concen: 2.413 ug/l
 RT: 2.732 min Scan# 433
 Delta R.T. 0.016 min
 Lab File: VU054280.D
 Acq: 26 May 2023 13:04

Tgt Ion: 142 Resp: 278
 Ion Ratio Lower Upper
 142 100
 127 0.0 32.5 48.7#
 141 0.0 11.4 17.0#





#16

Acetone

Concen: 0.420 ug/l

RT: 2.639 min Scan# 403

Delta R.T. 0.003 min

Lab File: VU054280.D

Acq: 26 May 2023 13:04

Instrument :

MSVOA_U

ClientSampleId :

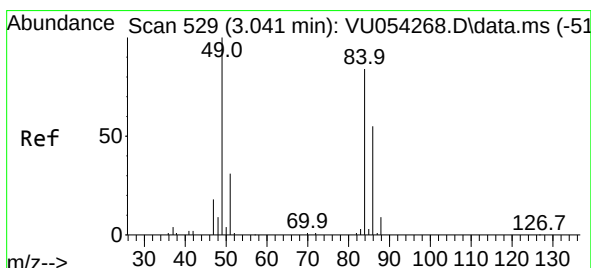
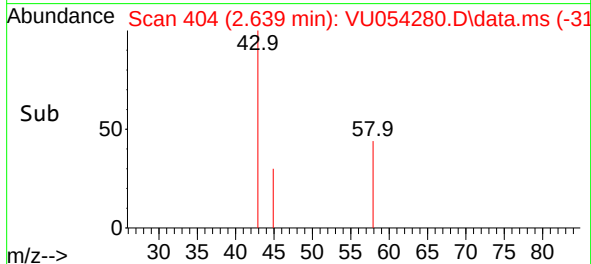
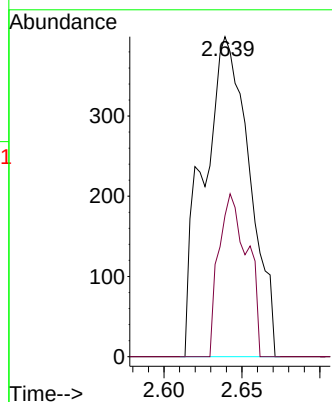
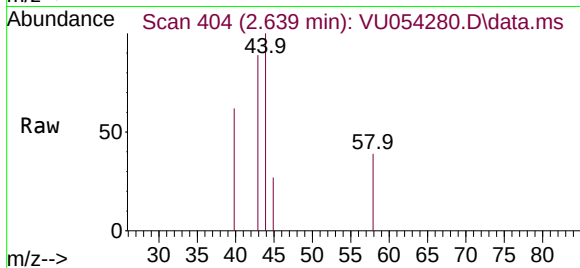
20BR-20230523

Tgt Ion: 43 Resp: 819

Ion Ratio Lower Upper

43 100

58 44.1 27.5 41.3#



#20

Methylene Chloride

Concen: 0.572 ug/l

RT: 3.044 min Scan# 530

Delta R.T. 0.003 min

Lab File: VU054280.D

Acq: 26 May 2023 13:04

Tgt Ion: 84 Resp: 2015

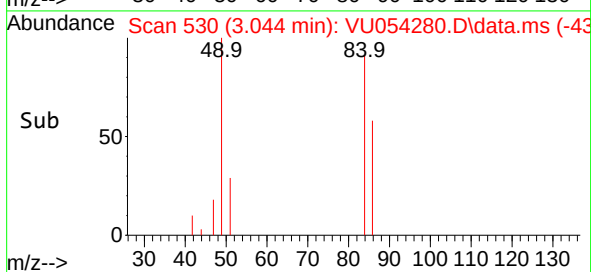
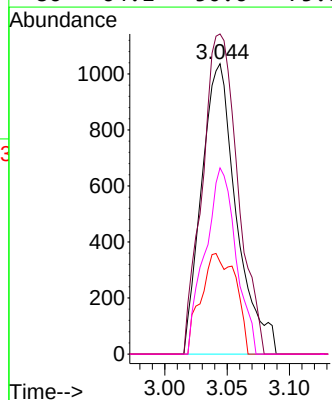
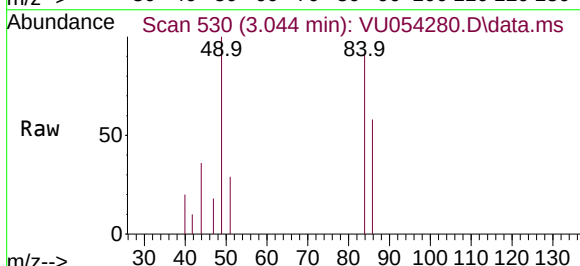
Ion Ratio Lower Upper

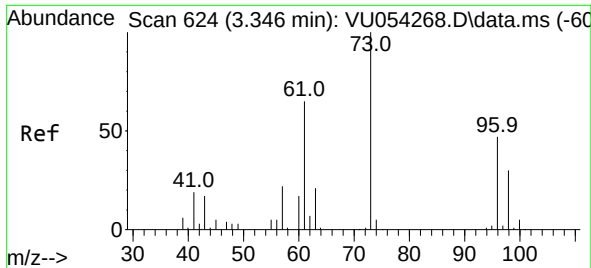
84 100

49 110.2 86.6 129.8

51 31.7 26.6 40.0

86 64.1 50.6 75.8

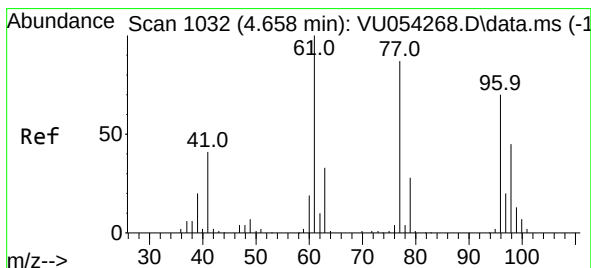
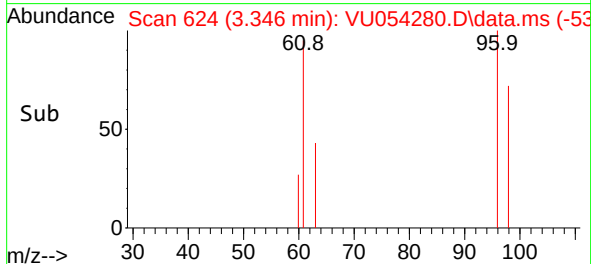
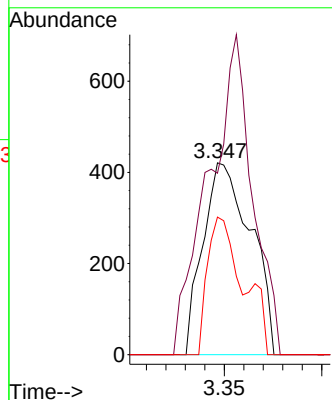
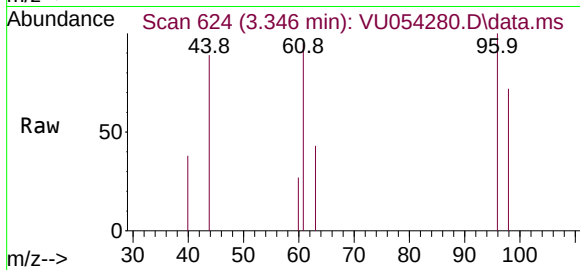




#21
trans-1,2-Dichloroethene
Concen: 0.241 ug/l
RT: 3.346 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

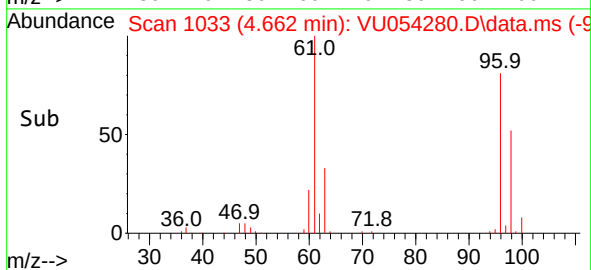
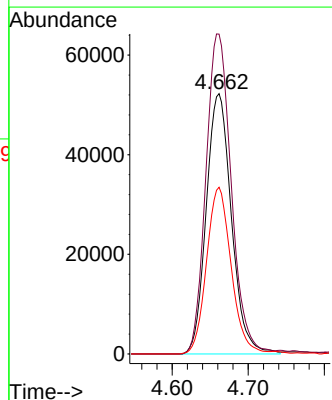
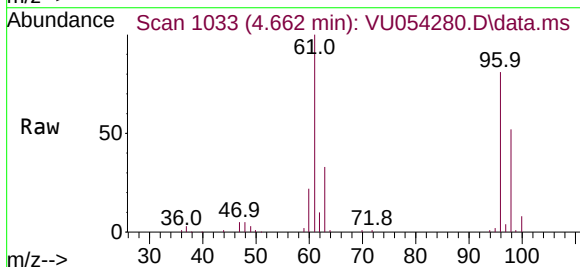
Instrument :
MSVOA_U
ClientSampleId :
20BR-20230523

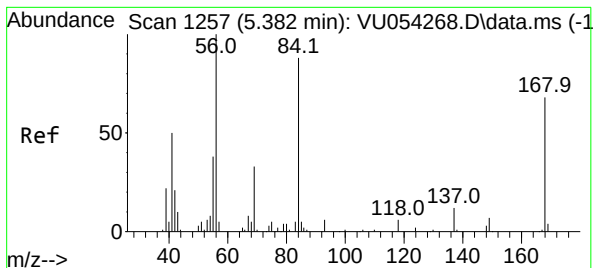
Tgt Ion: 96 Resp: 721
Ion Ratio Lower Upper
96 100
61 94.5 106.1 159.1#
98 71.7 50.8 76.2



#27
cis-1,2-Dichloroethene
Concen: 36.233 ug/l
RT: 4.662 min Scan# 1033
Delta R.T. 0.004 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

Tgt Ion: 96 Resp: 120542
Ion Ratio Lower Upper
96 100
61 123.7 0.0 271.6
98 62.6 0.0 128.2





#31

Cyclohexane

Concen: 1.055 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.013 min

Lab File: VU054280.D

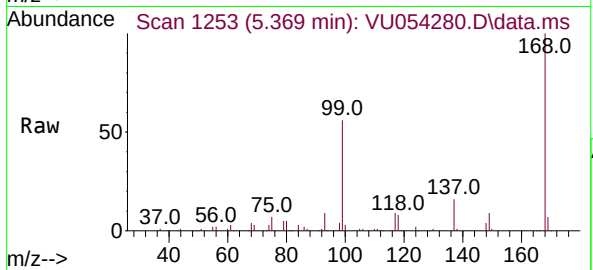
Acq: 26 May 2023 13:04

Instrument :

MSVOA_U

ClientSampleId :

20BR-20230523



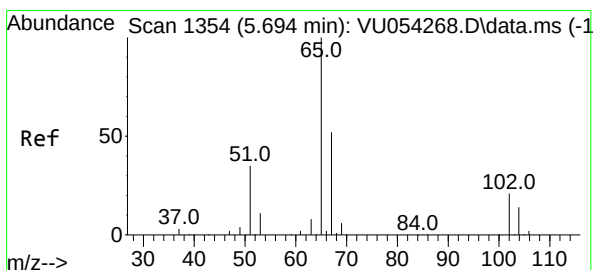
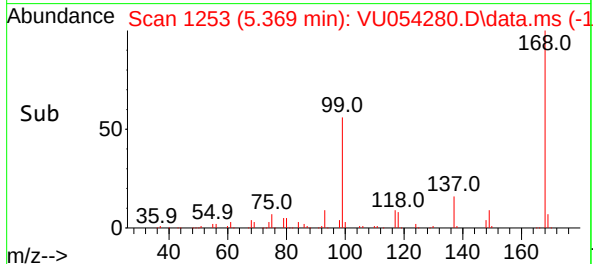
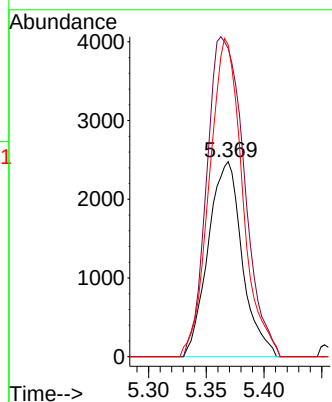
Tgt Ion: 56 Resp: 5070

Ion Ratio Lower Upper

56 100

69 158.0 27.8 41.8#

84 159.9 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 49.151 ug/l

RT: 5.694 min Scan# 1354

Delta R.T. -0.000 min

Lab File: VU054280.D

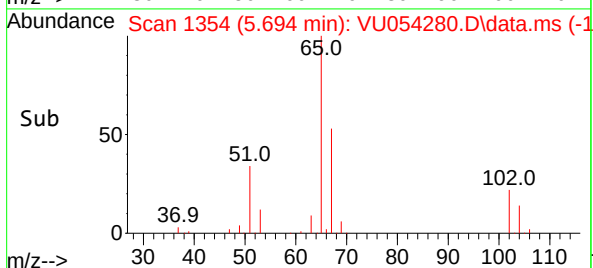
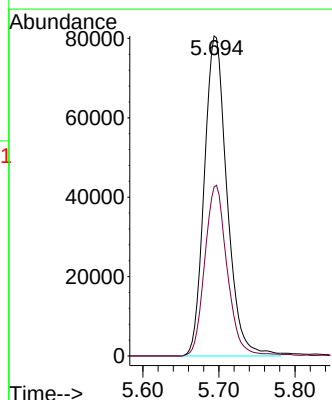
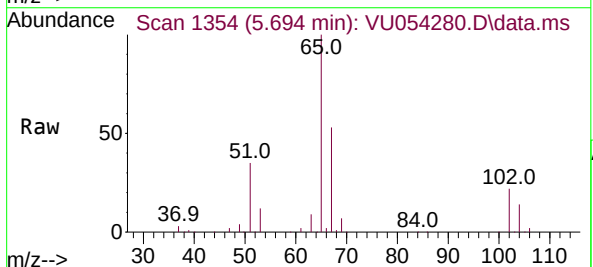
Acq: 26 May 2023 13:04

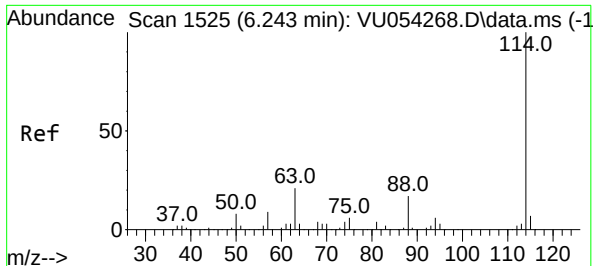
Tgt Ion: 65 Resp: 167322

Ion Ratio Lower Upper

65 100

67 52.9 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054280.D

Acq: 26 May 2023 13:04

Instrument :

MSVOA_U

ClientSampleId :

20BR-20230523

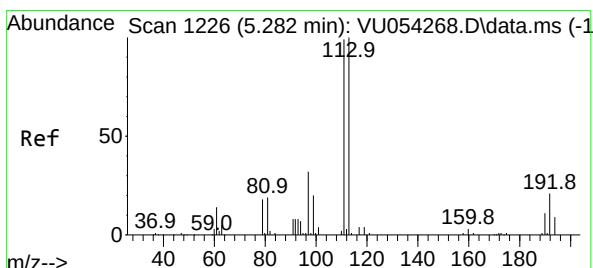
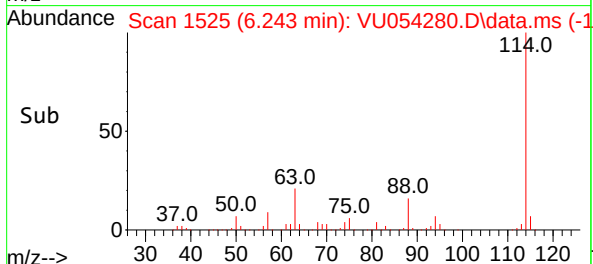
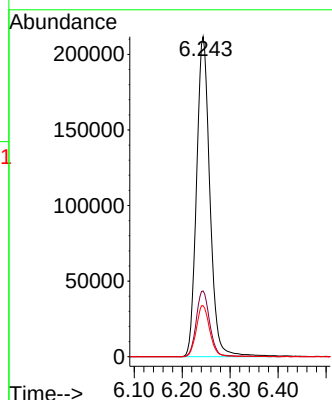
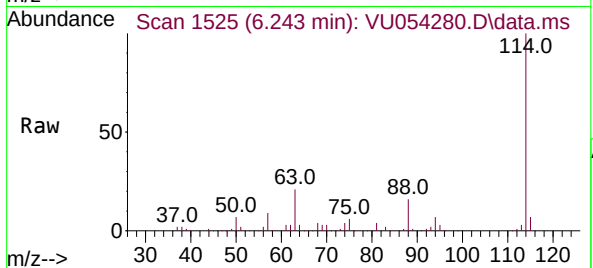
Tgt Ion:114 Resp: 408824

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.8

88 15.9 0.0 29.2



#35

Dibromofluoromethane

Concen: 51.767 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VU054280.D

Acq: 26 May 2023 13:04

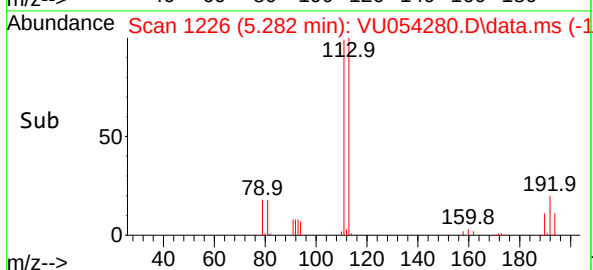
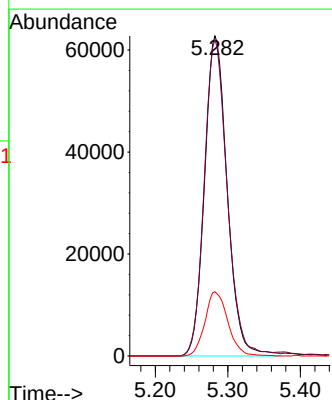
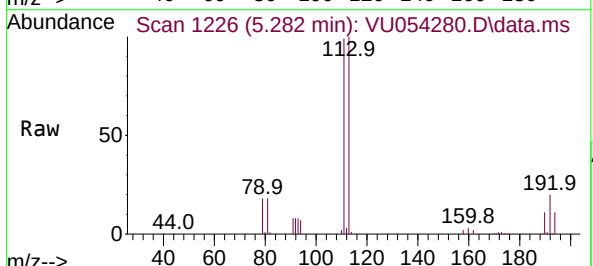
Tgt Ion:113 Resp: 136290

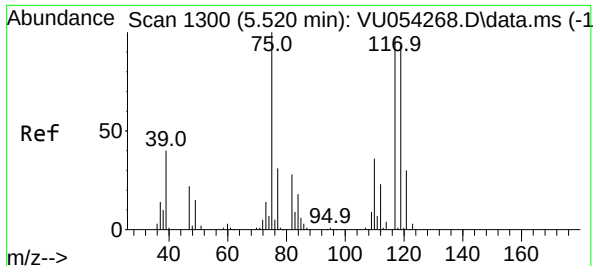
Ion Ratio Lower Upper

113 100

111 100.1 82.1 123.1

192 20.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.651 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU054280.D

Acq: 26 May 2023 13:04

Instrument :

MSVOA_U

ClientSampleId :

20BR-20230523

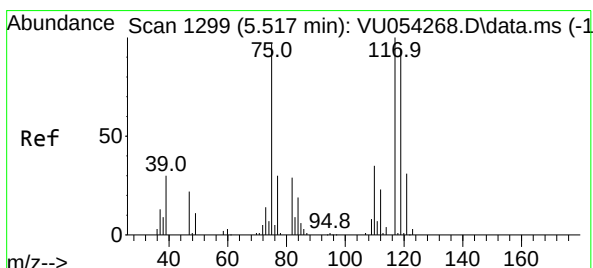
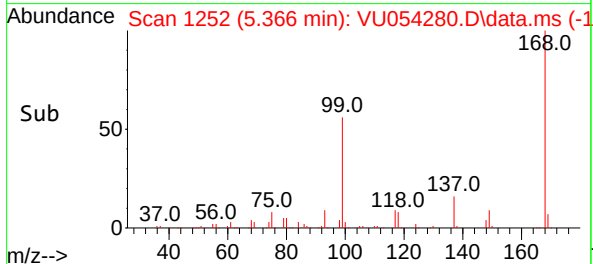
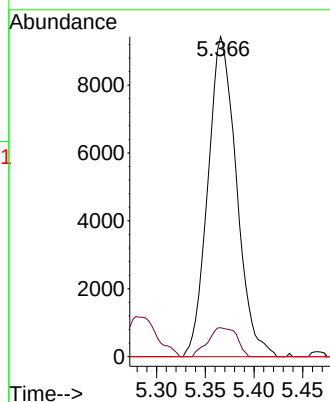
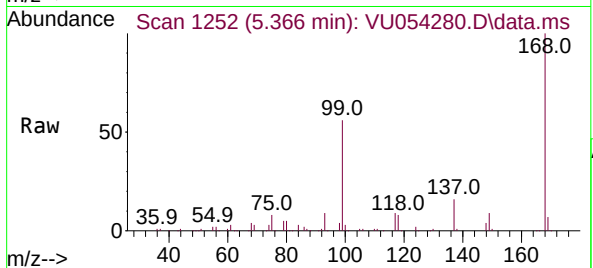
Tgt Ion: 75 Resp: 19234

Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.711 ug/l

RT: 5.366 min Scan# 1252

Delta R.T. -0.151 min

Lab File: VU054280.D

Acq: 26 May 2023 13:04

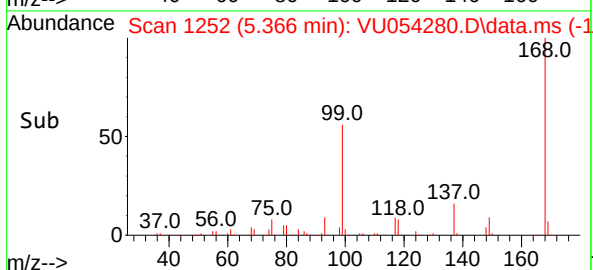
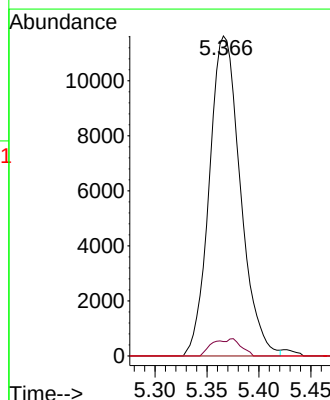
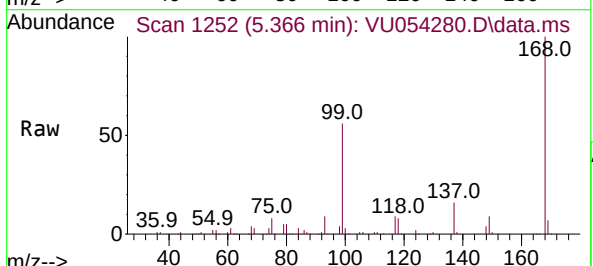
Tgt Ion: 117 Resp: 24170

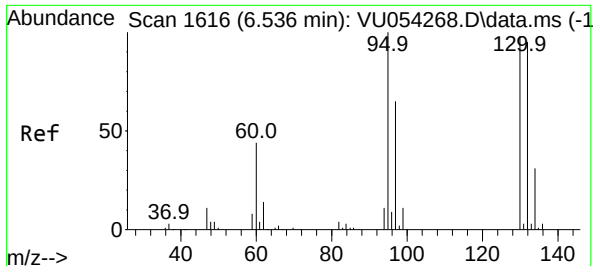
Ion Ratio Lower Upper

117 100

119 4.5 76.8 115.2#

121 0.0 24.7 37.1#

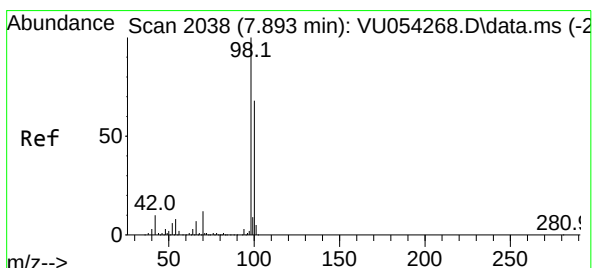
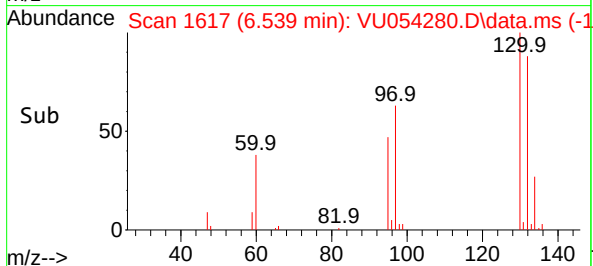
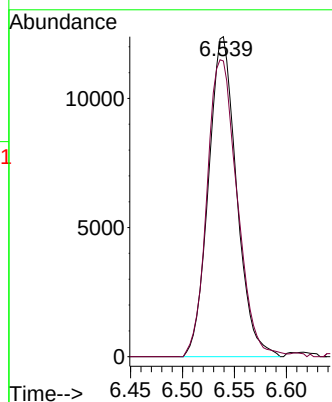
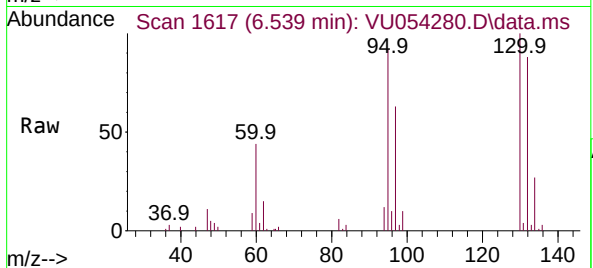




#44
Trichloroethene
Concen: 7.069 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

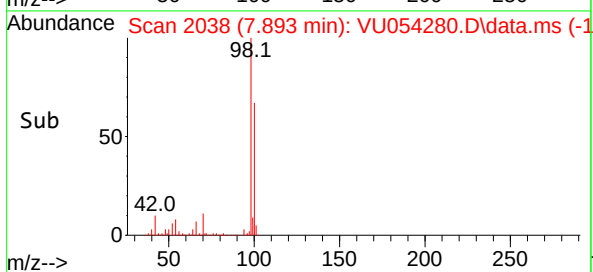
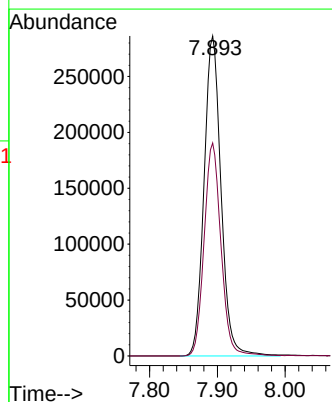
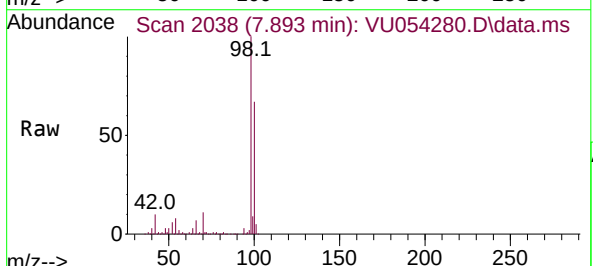
Instrument :
MSVOA_U
ClientSampleId :
20BR-20230523

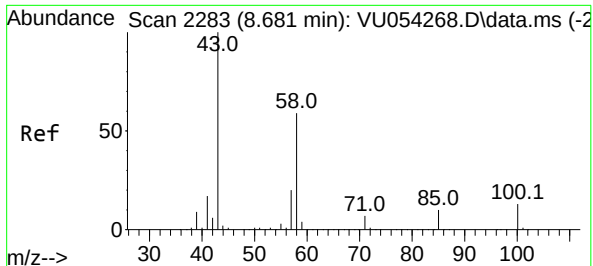
Tgt Ion:130 Resp: 23306
Ion Ratio Lower Upper
130 100
95 92.4 0.0 184.6



#50
Toluene-d8
Concen: 49.807 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

Tgt Ion: 98 Resp: 498775
Ion Ratio Lower Upper
98 100
100 65.9 51.7 77.5





#59

2-Hexanone

Concen: 0.225 ug/l

RT: 8.700 min Scan# 21

Delta R.T. 0.019 min

Lab File: VU054280.D

Acq: 26 May 2023 13:04

Instrument :

MSVOA_U

ClientSampleId :

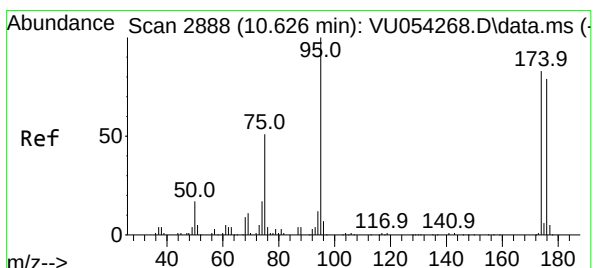
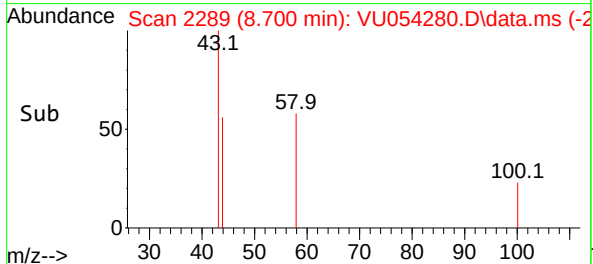
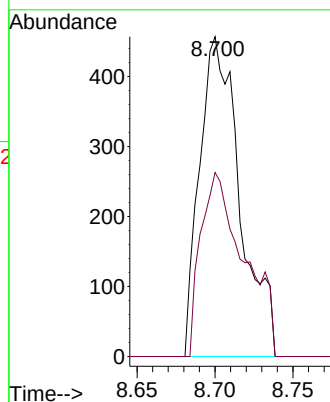
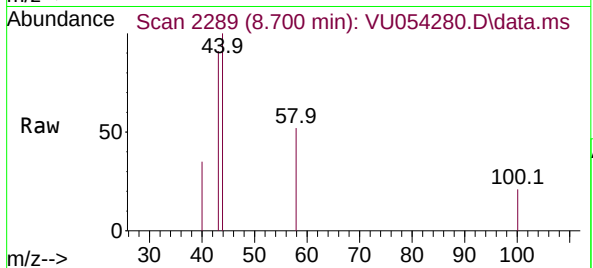
20BR-20230523

Tgt Ion: 43 Resp: 824

Ion Ratio Lower Upper

43 100

58 62.0 30.3 90.8



#62

4-Bromofluorobenzene

Concen: 45.992 ug/l

RT: 10.626 min Scan# 2888

Delta R.T. -0.000 min

Lab File: VU054280.D

Acq: 26 May 2023 13:04

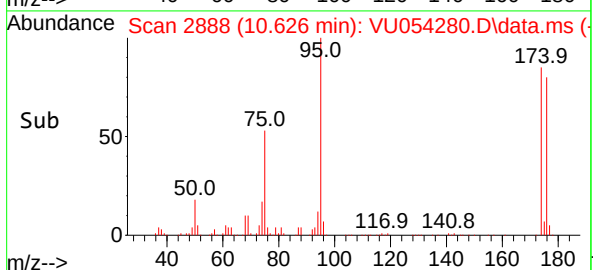
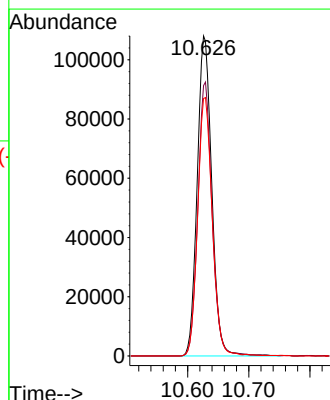
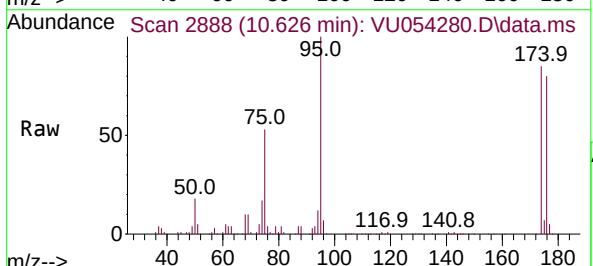
Tgt Ion: 95 Resp: 178581

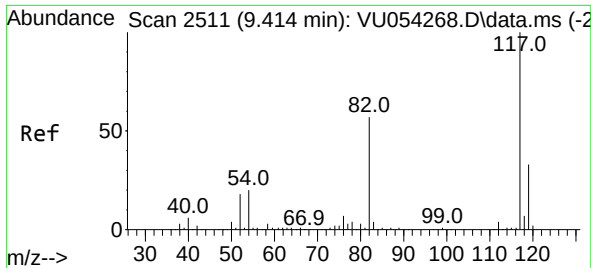
Ion Ratio Lower Upper

95 100

174 83.6 0.0 182.0

176 81.0 0.0 177.8

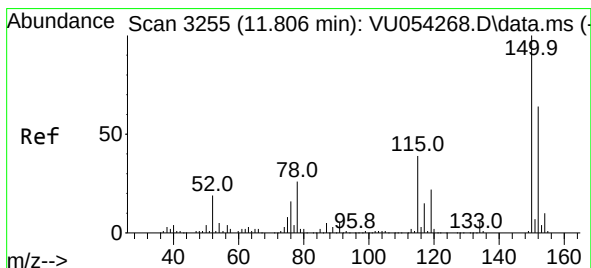
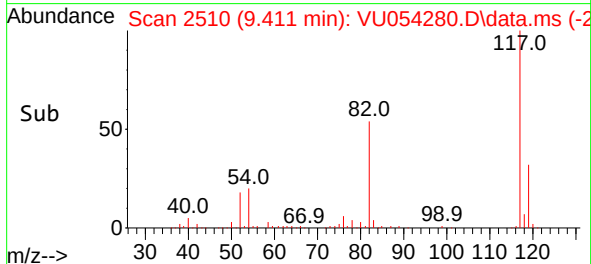
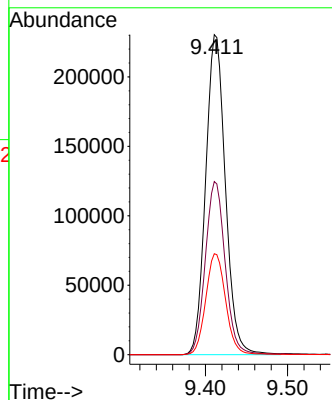
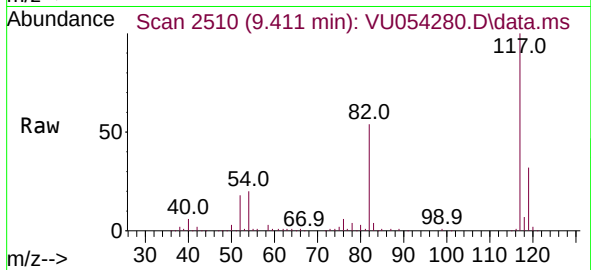




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

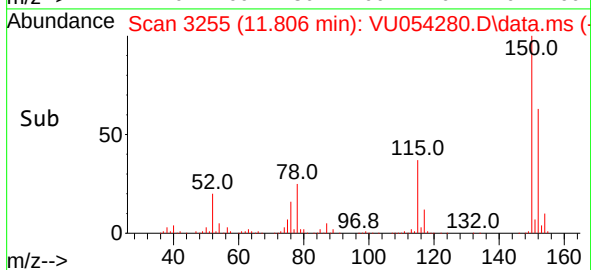
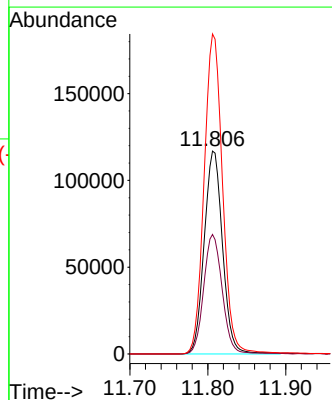
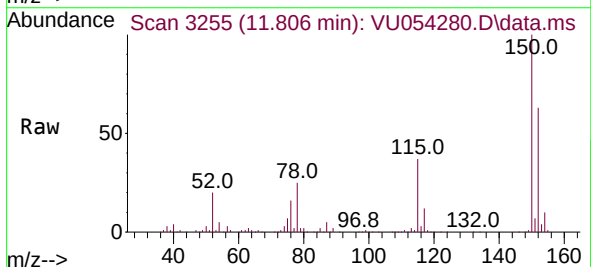
Instrument :
MSVOA_U
ClientSampleId :
20BR-20230523

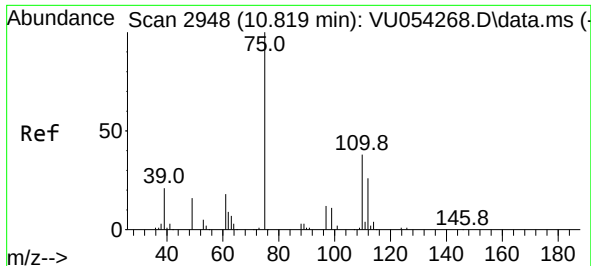
Tgt Ion:117 Resp: 385864
Ion Ratio Lower Upper
117 100
82 54.1 41.7 62.5
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

Tgt Ion:152 Resp: 191882
Ion Ratio Lower Upper
152 100
115 59.4 37.0 110.9
150 158.6 0.0 342.2

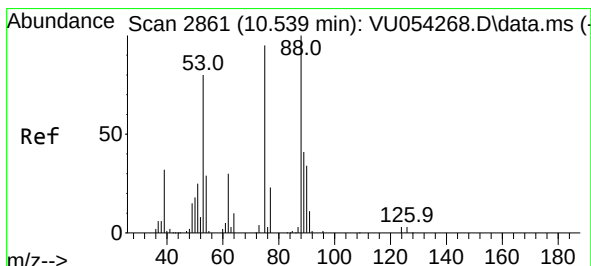
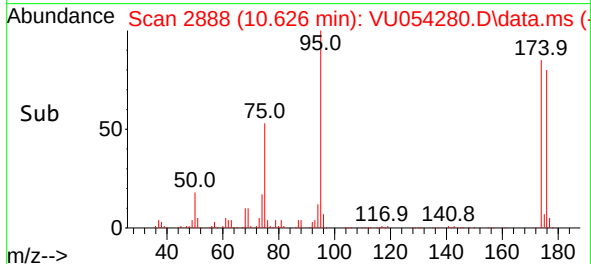
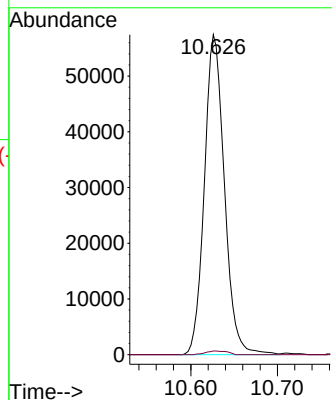
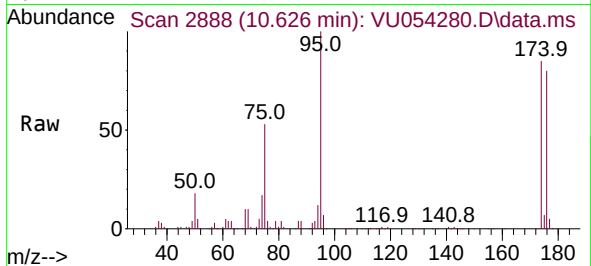




#76
1,2,3-Trichloropropane
Concen: 16.463 ug/l
RT: 10.626 min Scan# 21
Delta R.T. -0.193 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

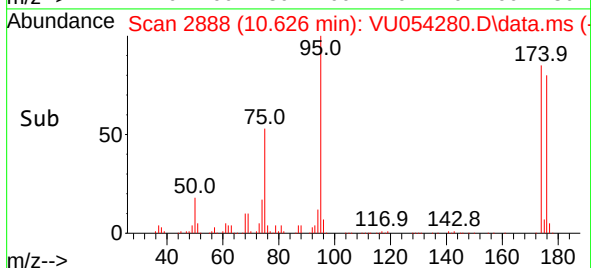
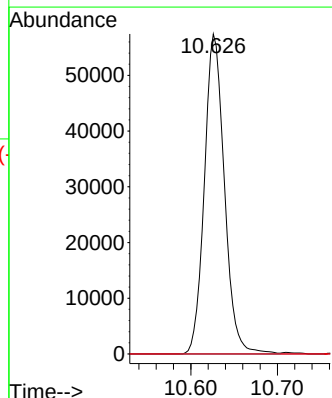
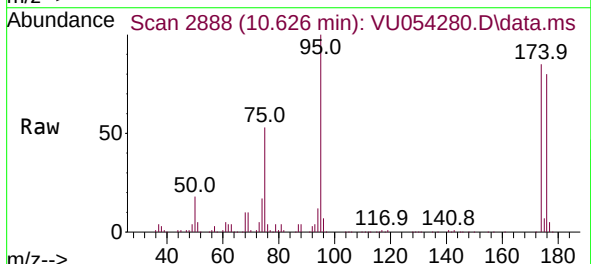
Instrument :
MSVOA_U
ClientSampleId :
20BR-20230523

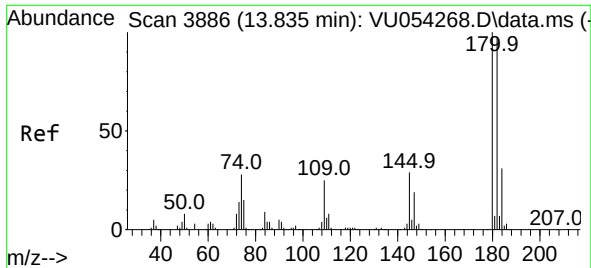
Tgt Ion: 75 Resp: 92195
Ion Ratio Lower Upper
75 100
77 1.3 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.689 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. 0.087 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

Tgt Ion: 75 Resp: 92195
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

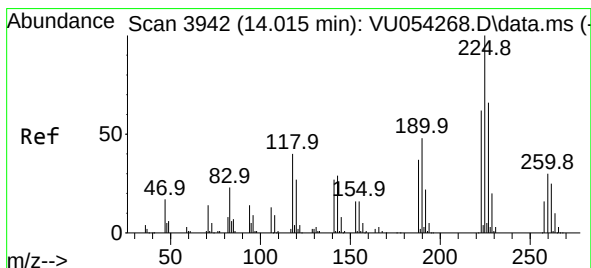
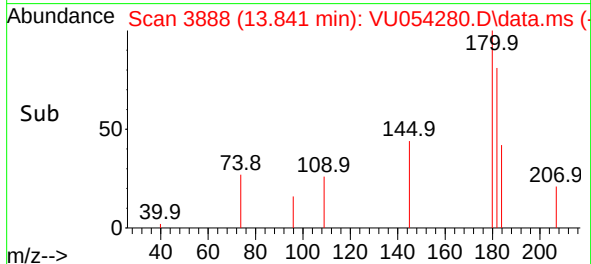
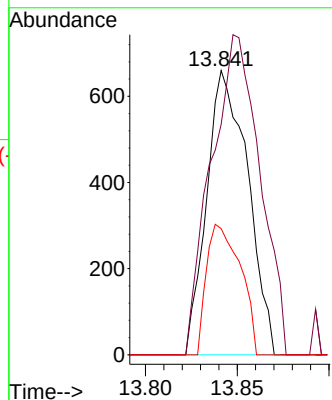
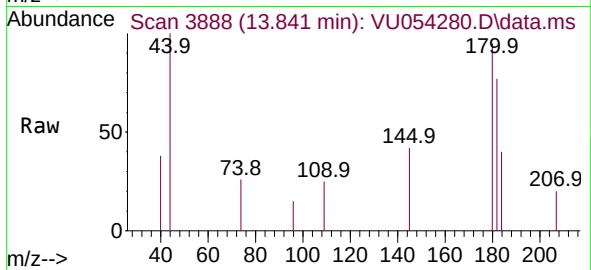




#93
1,2,4-Trichlorobenzene
Concen: 1.868 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. 0.006 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

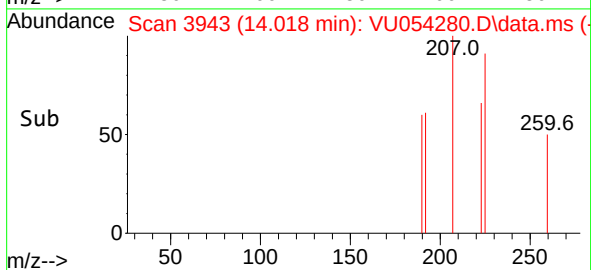
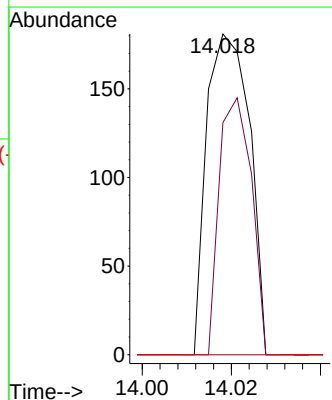
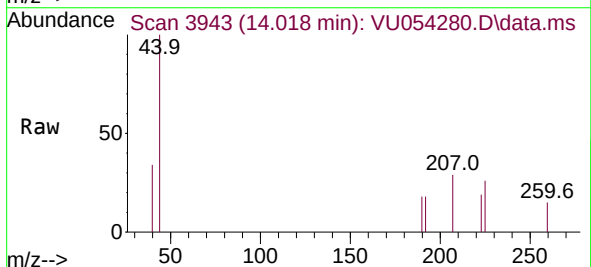
Instrument :
MSVOA_U
ClientSampleId :
20BR-20230523

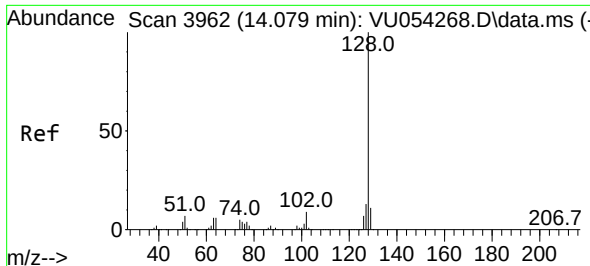
Tgt Ion:	180	Resp:	1023
Ion Ratio	Lower	Upper	
180	100		
182	133.9	47.9	143.6
145	37.9	14.0	41.9



#94
Hexachlorobutadiene
Concen: 0.879 ug/l
RT: 14.018 min Scan# 3943
Delta R.T. 0.003 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

Tgt Ion:	225	Resp:	121
Ion Ratio	Lower	Upper	
225	100		
223	60.3	31.3	93.9
227	0.0	32.0	96.2

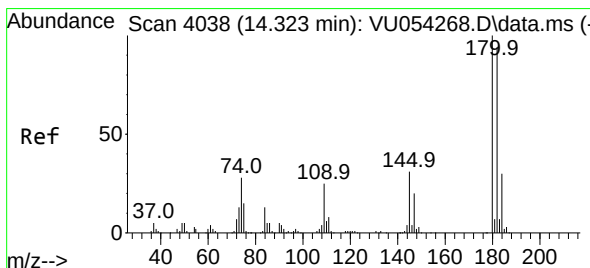
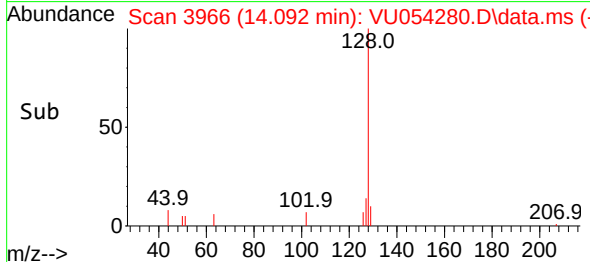
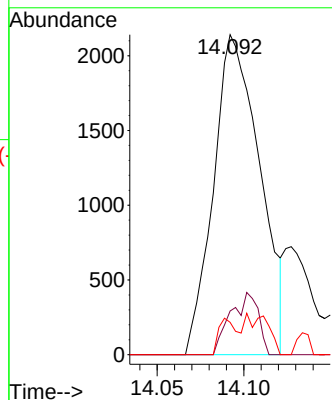
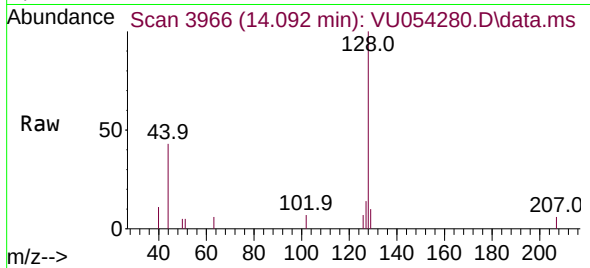




#95
Naphthalene
Concen: 2.260 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.013 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

Instrument :
MSVOA_U
ClientSampleId :
20BR-20230523

Tgt Ion:128 Resp: 3975
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 4.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.482 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.013 min
Lab File: VU054280.D
Acq: 26 May 2023 13:04

Tgt Ion:180 Resp: 1020
Ion Ratio Lower Upper
180 100
182 105.6 48.4 145.0
145 36.4 14.8 44.4

