

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049480.D
 Acq On : 29 Jun 2022 00:13
 Operator : SY/MD
 Sample : N3457-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB01-20220616

Quant Time: Jun 29 05:24:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

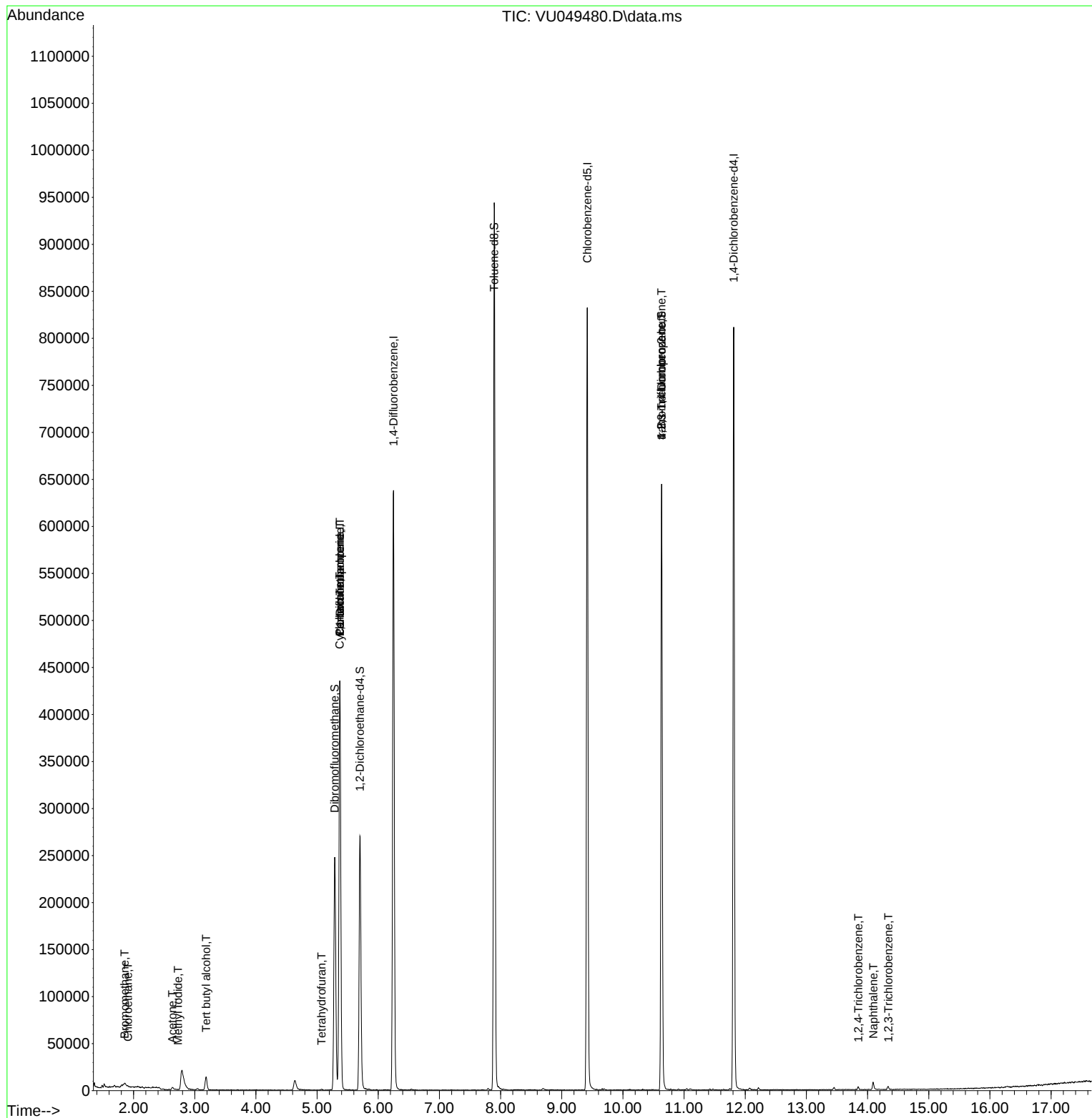
Internal Standards						
1) Pentafluorobenzene	5.372	168	302780	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	526586	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	468642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	214841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	201753	43.267	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.540%
35) Dibromofluoromethane	5.288	113	165353	44.883	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.760%
50) Toluene-d8	7.896	98	626777	47.699	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.400%
62) 4-Bromofluorobenzene	10.632	95	222205	44.144	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.280%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	2895	Below Cal		99
5) Bromomethane	1.854	94	381	0.250 ug/l		88
6) Chloroethane	1.909	64	69	1.945 ug/l	#	44
10) Methyl Iodide	2.726	142	239	7.574 ug/l	#	81
11) Tert butyl alcohol	3.186	59	8637	7.914 ug/l	#	37
16) Acetone	2.633	43	3352	1.425 ug/l		92
20) Methylene Chloride	3.051	84	719	Below Cal		87
29) Tetrahydrofuran	5.073	42	511	0.211 ug/l	#	51
31) Cyclohexane	5.369	56	6694	0.956 ug/l	#	4
36) 1,1-Dichloropropene	5.372	75	23674	4.432 ug/l	#	50
38) Carbon Tetrachloride	5.372	117	30607	5.463 ug/l	#	17
76) 1,2,3-Trichloropropane	10.632	75	112509	15.448 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.632	75	112509	57.049 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.848	180	1367	2.028 ug/l		75
95) Naphthalene	14.095	128	8350	2.215 ug/l		95
96) 1,2,3-Trichlorobenzene	14.339	180	1386	1.450 ug/l		93

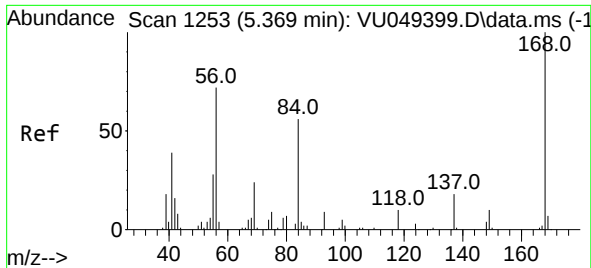
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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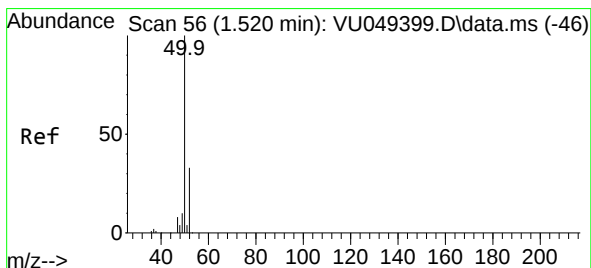
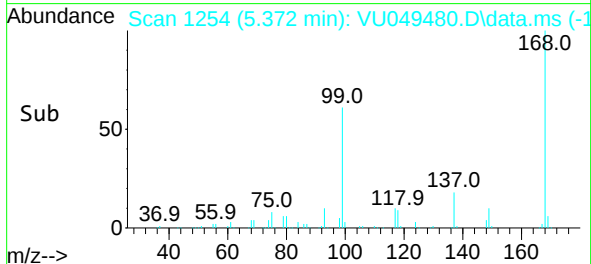
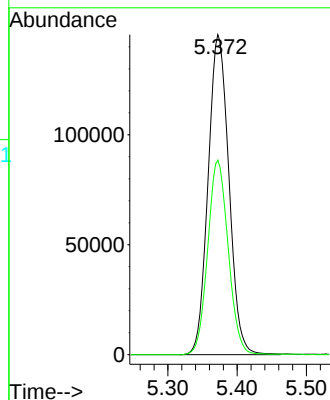
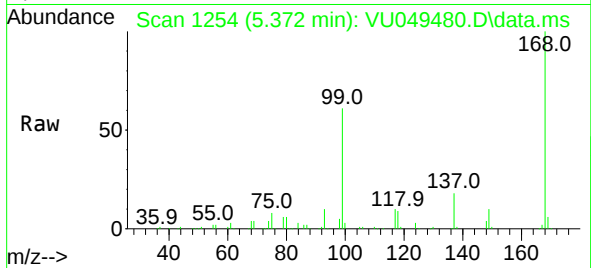




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

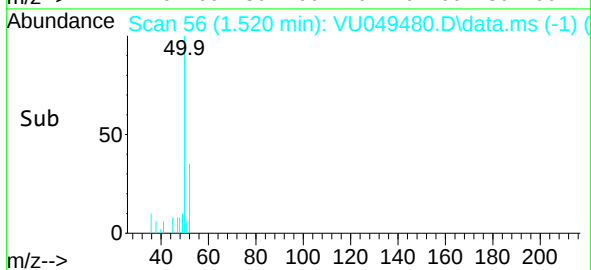
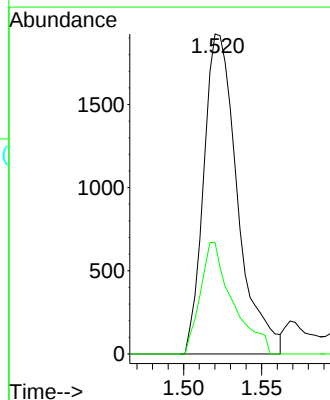
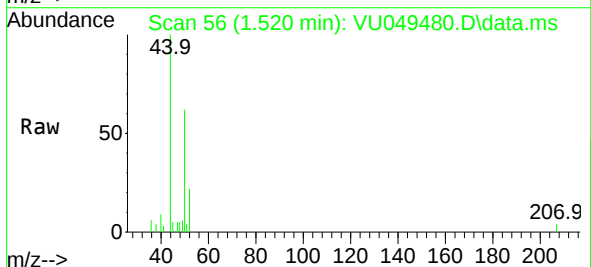
Instrument :
MSVOA_U
ClientSampleId :
TB01-20220616

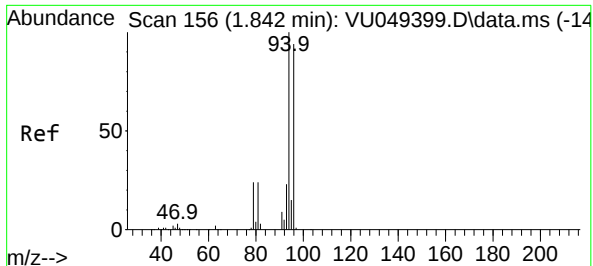
Tgt Ion:168 Resp: 302780
Ion Ratio Lower Upper
168 100
99 60.8 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

Tgt Ion: 50 Resp: 2895
Ion Ratio Lower Upper
50 100
52 34.8 27.4 41.2

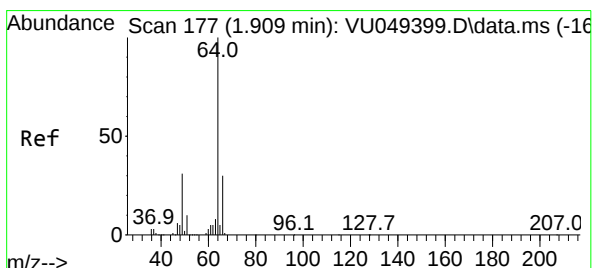
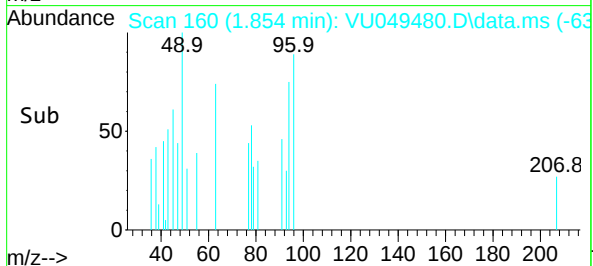
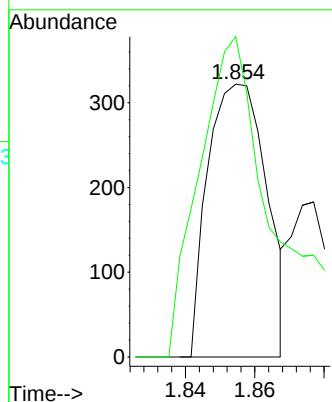
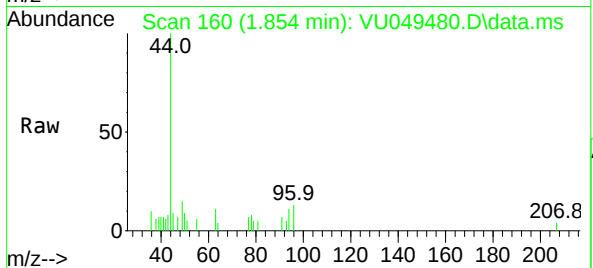




#5
Bromomethane
Concen: 0.250 ug/l
RT: 1.854 min Scan# 1
Delta R.T. 0.013 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

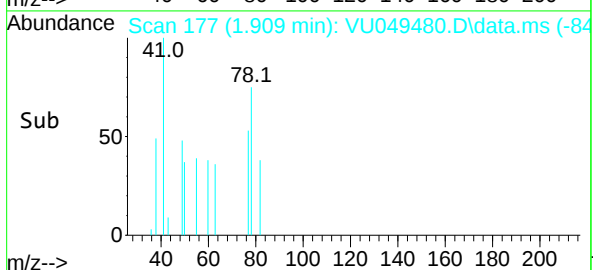
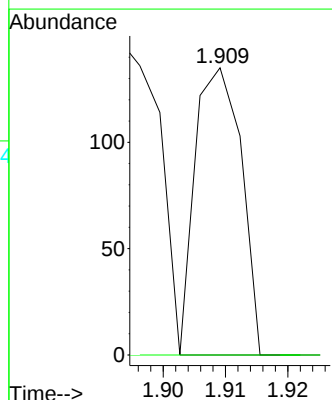
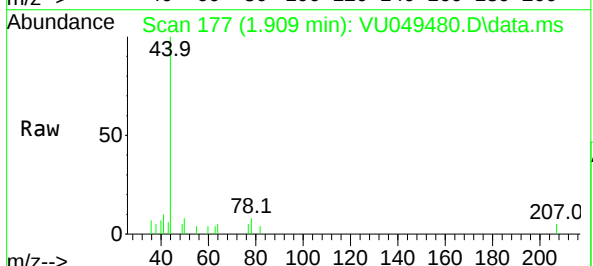
Instrument :
MSVOA_U
ClientSampleId :
TB01-20220616

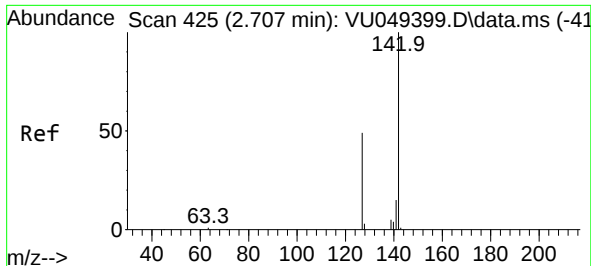
Tgt Ion: 94 Resp: 381
Ion Ratio Lower Upper
94 100
96 80.4 73.7 110.5



#6
Chloroethane
Concen: 1.945 ug/l
RT: 1.909 min Scan# 177
Delta R.T. 0.000 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

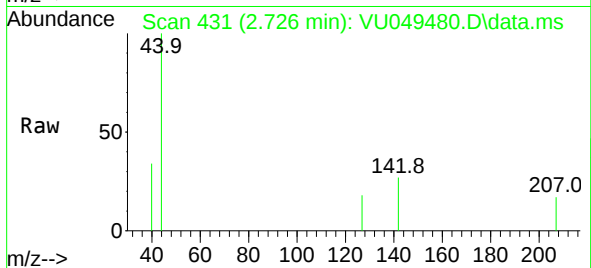
Tgt Ion: 64 Resp: 69
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



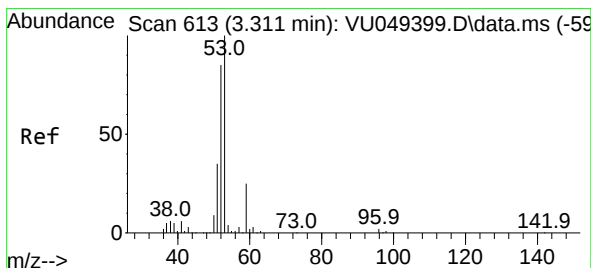
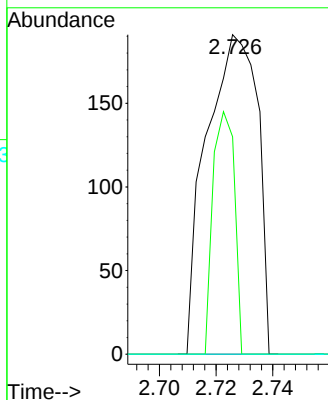
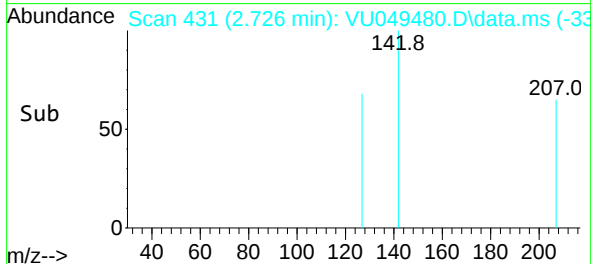


#10
Methyl Iodide
Concen: 7.574 ug/l
RT: 2.726 min Scan# 41
Delta R.T. 0.019 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

Instrument :
MSVOA_U
ClientSampleId :
TB01-20220616

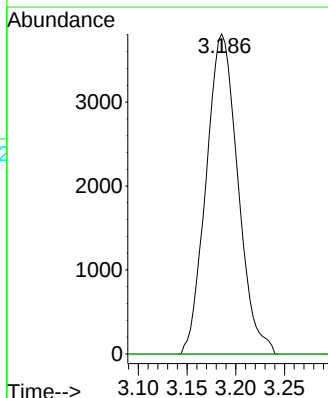
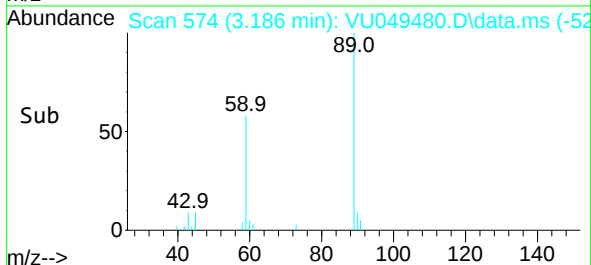
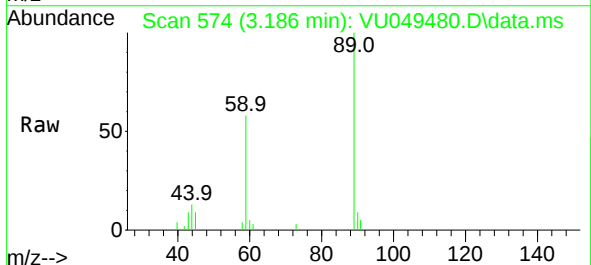


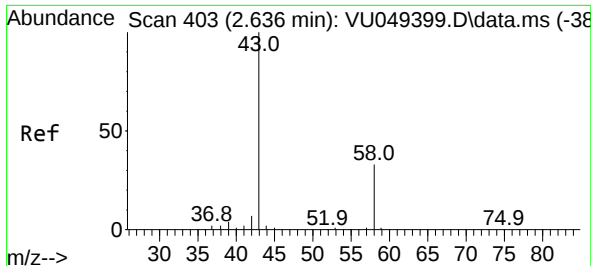
Tgt Ion:142 Resp: 239
Ion Ratio Lower Upper
142 100
127 31.8 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 7.914 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

Tgt Ion: 59 Resp: 8637
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#

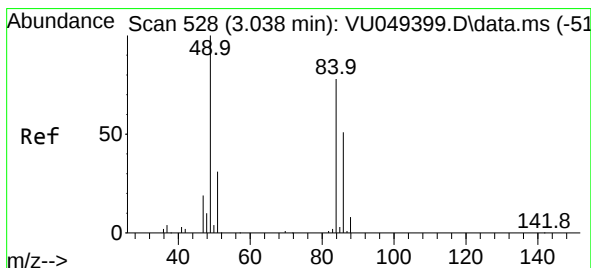
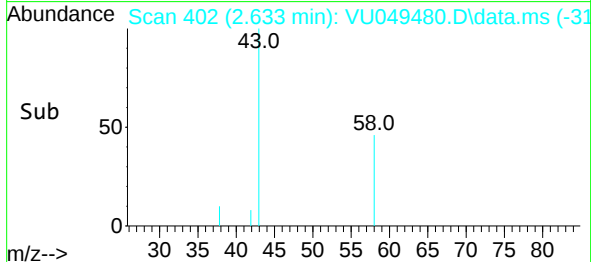
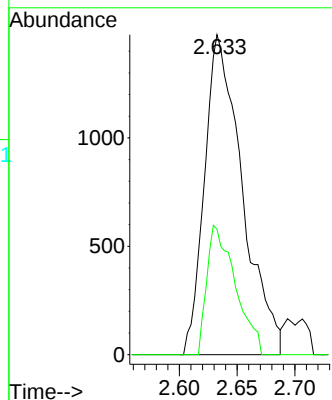
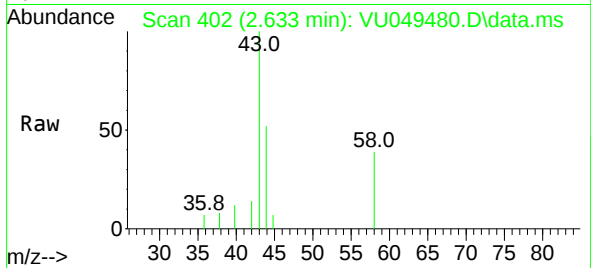




#16
Acetone
Concen: 1.425 ug/l
RT: 2.633 min Scan# 40
Delta R.T. -0.003 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

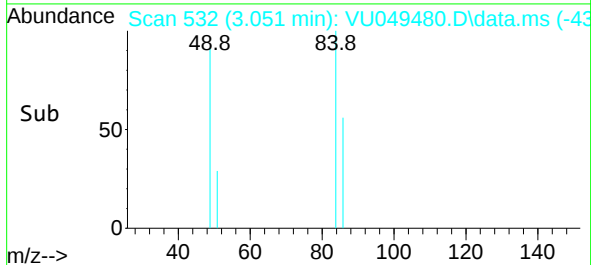
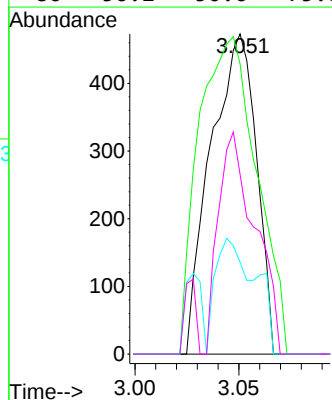
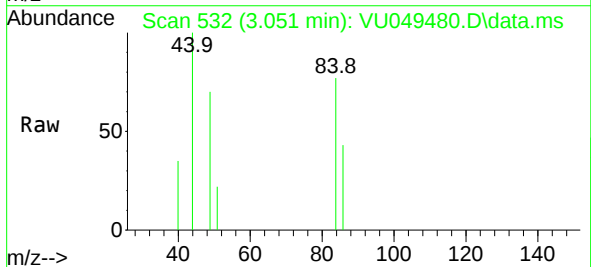
Instrument :
MSVOA_U
ClientSampleId :
TB01-20220616

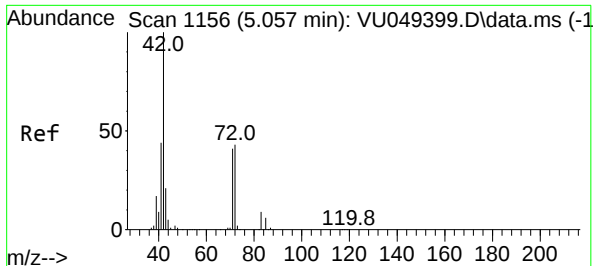
Tgt Ion: 43 Resp: 3352
Ion Ratio Lower Upper
43 100
58 39.2 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 3.051 min Scan# 532
Delta R.T. 0.013 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

Tgt Ion: 84 Resp: 719
Ion Ratio Lower Upper
84 100
49 90.7 86.6 129.8
51 28.8 26.6 40.0
86 56.2 50.6 75.8





#29

Tetrahydrofuran

Concen: 0.211 ug/l

RT: 5.073 min Scan# 1156

Delta R.T. 0.016 min

Lab File: VU049480.D

Acq: 29 Jun 2022 00:13

Instrument :

MSVOA_U

ClientSampleId :

TB01-20220616

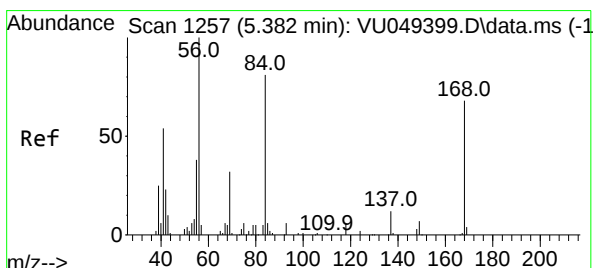
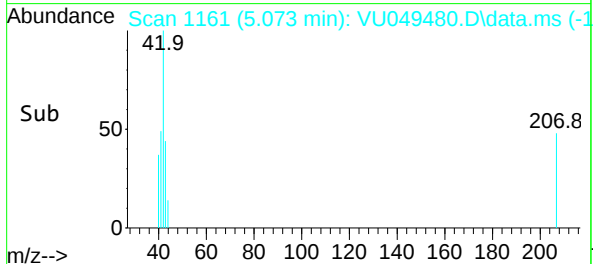
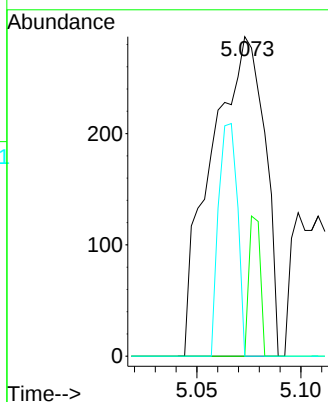
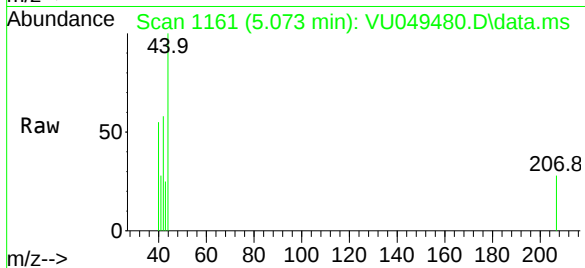
Tgt Ion: 42 Resp: 511

Ion Ratio Lower Upper

42 100

72 9.4 42.6 63.8#

71 25.8 40.3 60.5#



#31

Cyclohexane

Concen: 0.956 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.013 min

Lab File: VU049480.D

Acq: 29 Jun 2022 00:13

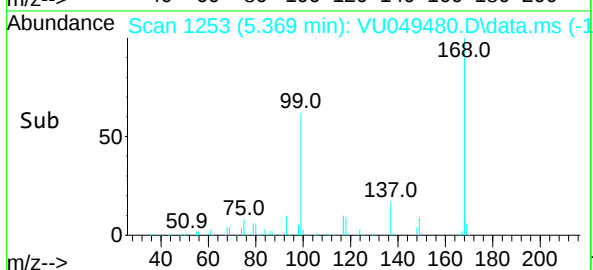
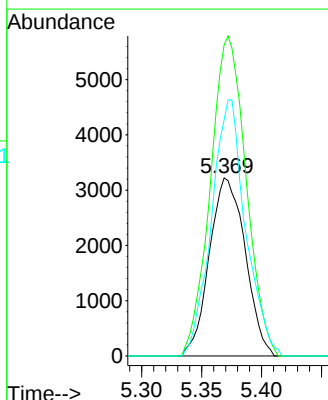
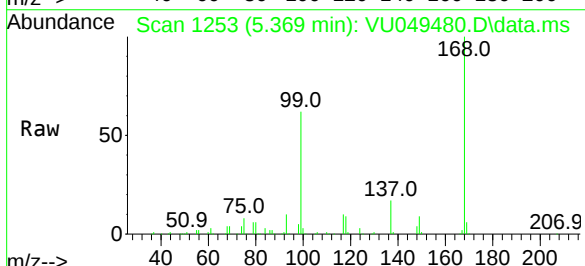
Tgt Ion: 56 Resp: 6694

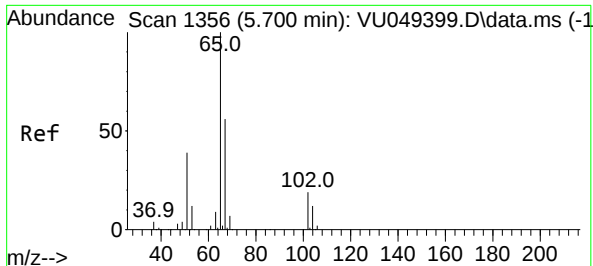
Ion Ratio Lower Upper

56 100

69 174.7 27.8 41.8#

84 132.7 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 43.267 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049480.D

Acq: 29 Jun 2022 00:13

Instrument :

MSVOA_U

ClientSampleId :

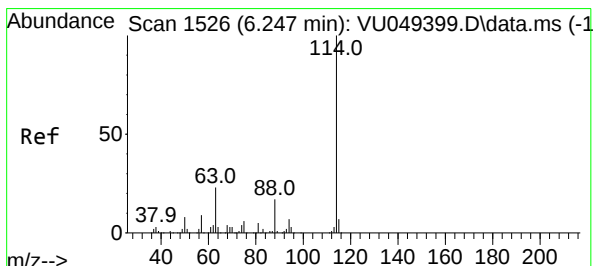
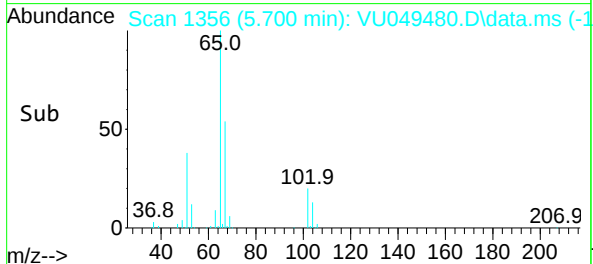
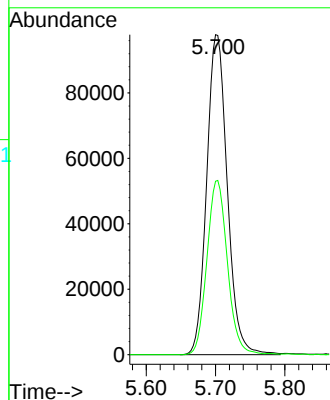
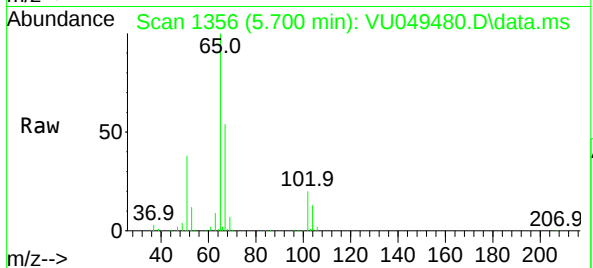
TB01-20220616

Tgt Ion: 65 Resp: 201753

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.003 min

Lab File: VU049480.D

Acq: 29 Jun 2022 00:13

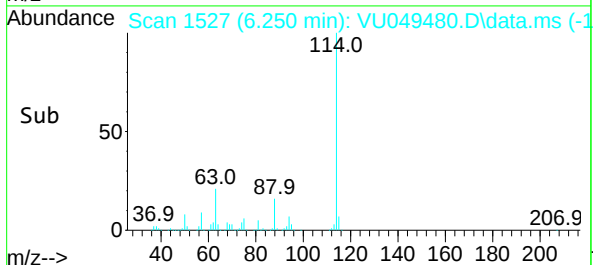
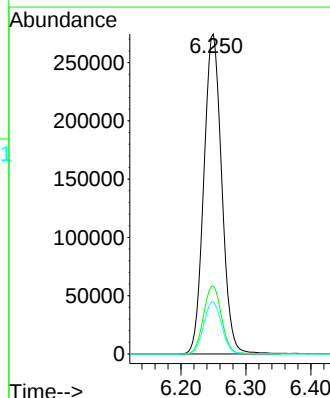
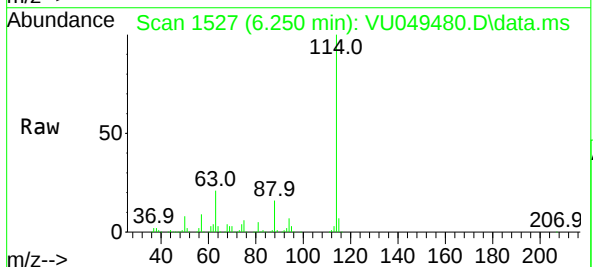
Tgt Ion: 114 Resp: 526586

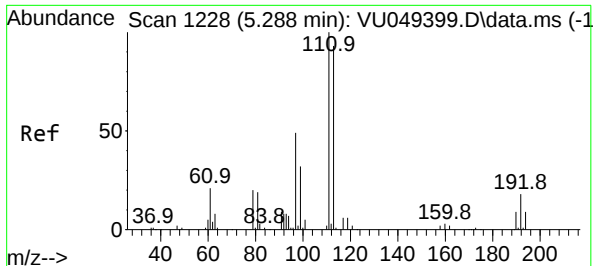
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.8

88 16.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 44.883 ug/l

RT: 5.288 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049480.D

Acq: 29 Jun 2022 00:13

Instrument :

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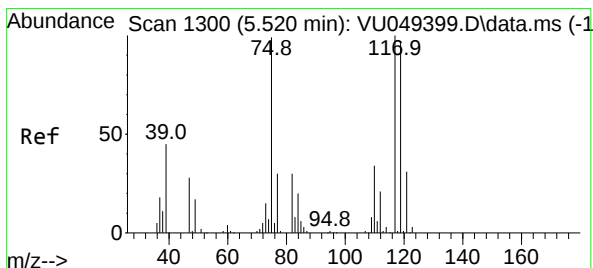
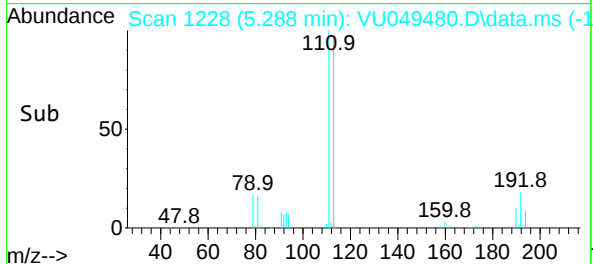
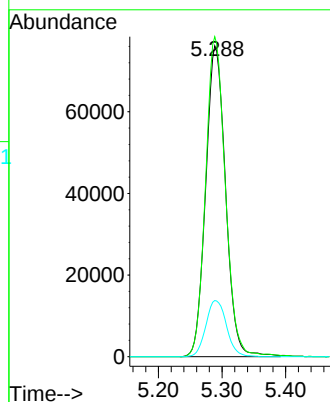
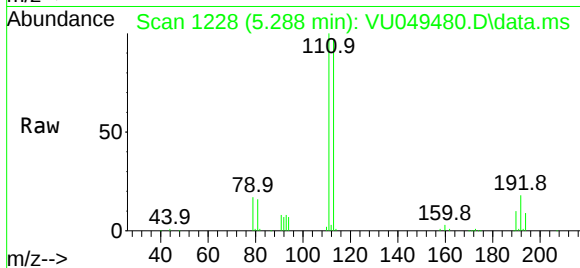
Tgt Ion:113 Resp: 165353

Ion Ratio Lower Upper

113 100

111 101.8 82.1 123.1

192 18.8 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.432 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049480.D

Acq: 29 Jun 2022 00:13

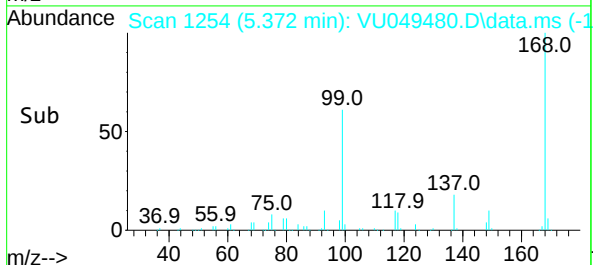
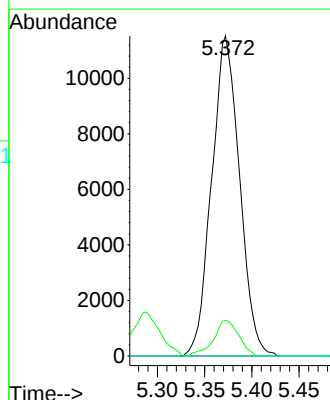
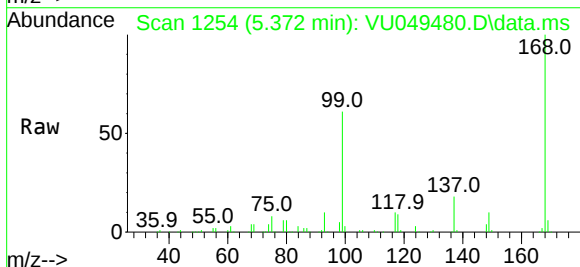
Tgt Ion: 75 Resp: 23674

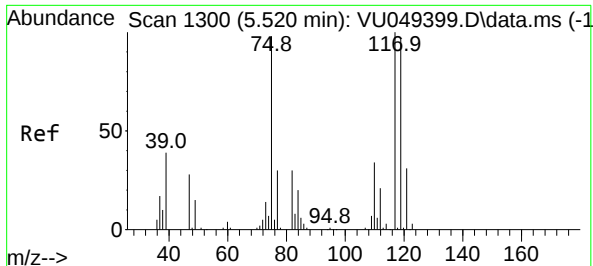
Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.2#

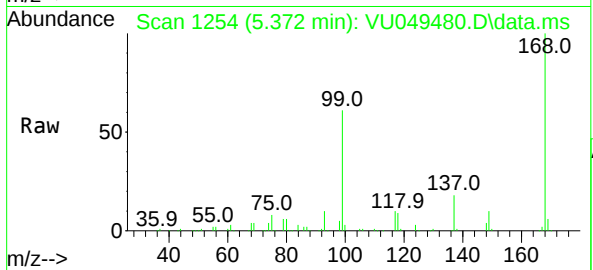
77 0.0 25.1 37.7#



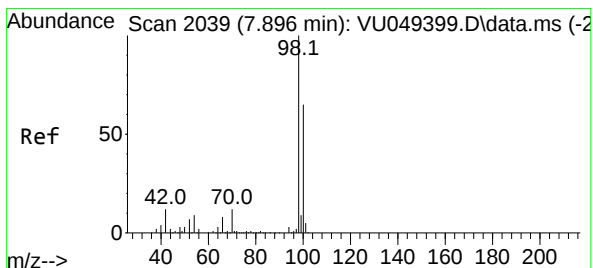
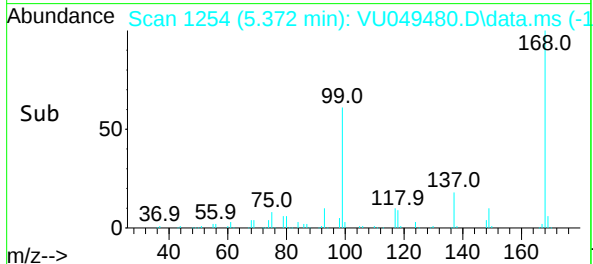
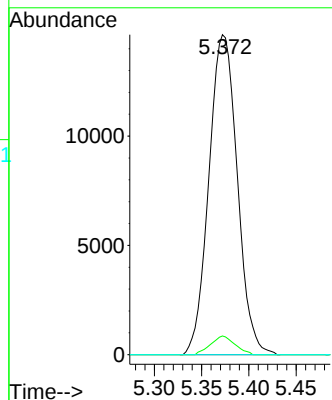


#38
Carbon Tetrachloride
Concen: 5.463 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

Instrument :
MSVOA_U
ClientSampleId :
TB01-20220616

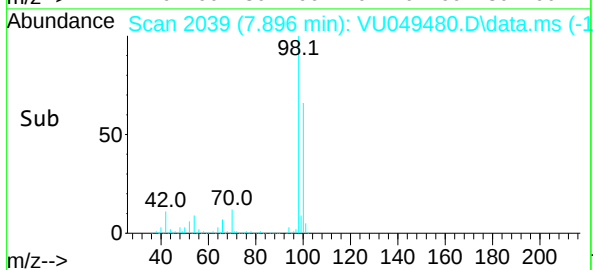
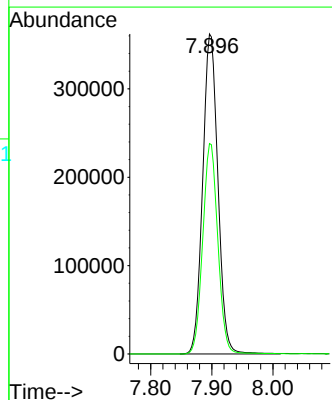
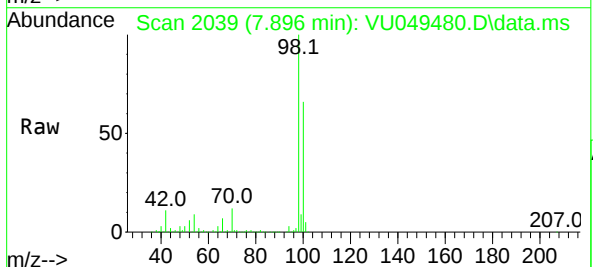


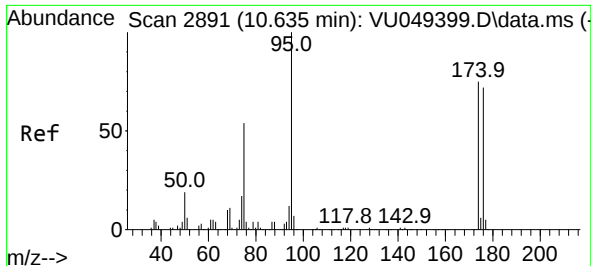
Tgt Ion:117 Resp: 30607
Ion Ratio Lower Upper
117 100
119 5.9 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.699 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

Tgt Ion: 98 Resp: 626777
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5

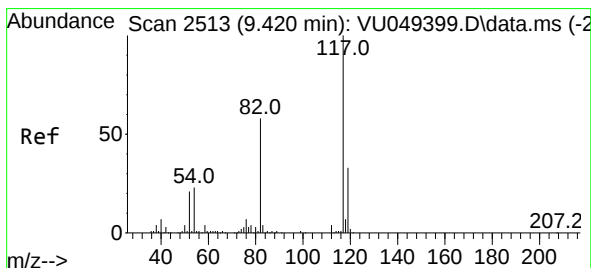
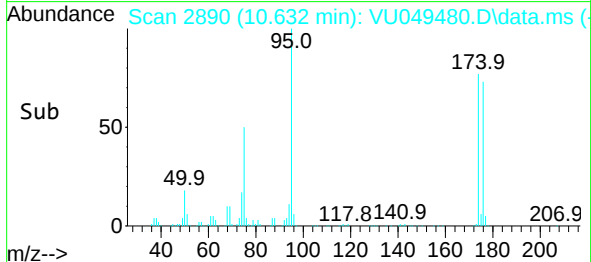
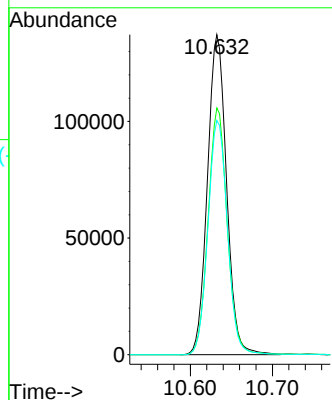
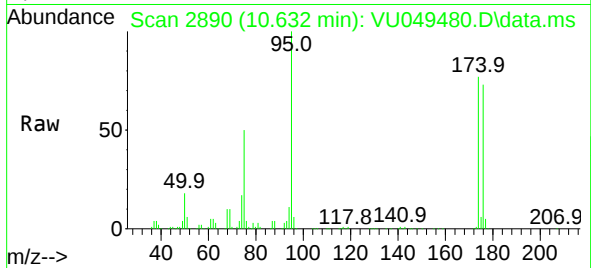




#62
4-Bromofluorobenzene
Concen: 44.144 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

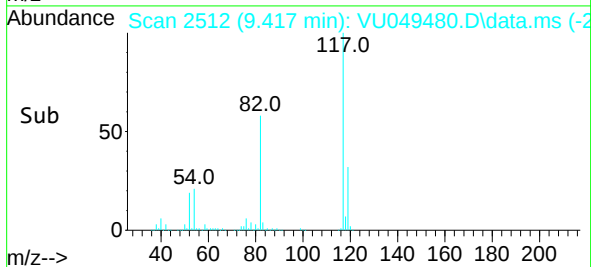
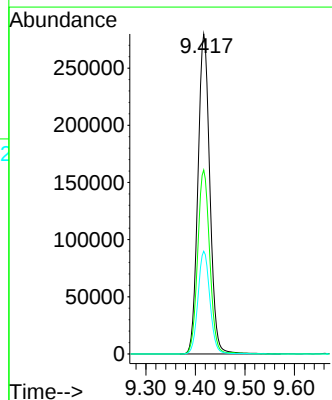
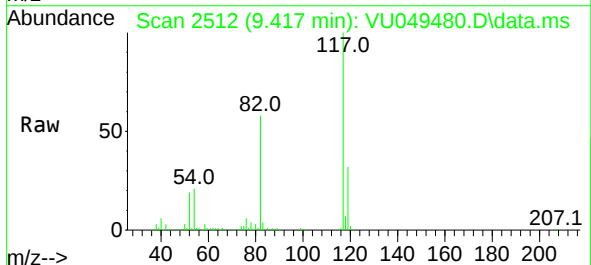
Instrument :
MSVOA_U
ClientSampleId :
TB01-20220616

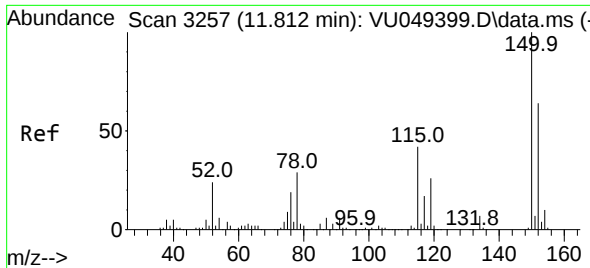
Tgt Ion: 95 Resp: 222205
Ion Ratio Lower Upper
95 100
174 77.0 0.0 182.0
176 74.4 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

Tgt Ion: 117 Resp: 468642
Ion Ratio Lower Upper
117 100
82 57.5 41.7 62.5
119 32.1 25.7 38.5

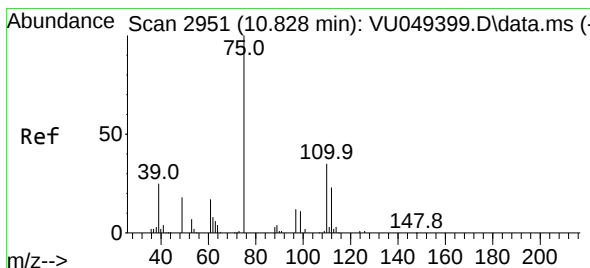
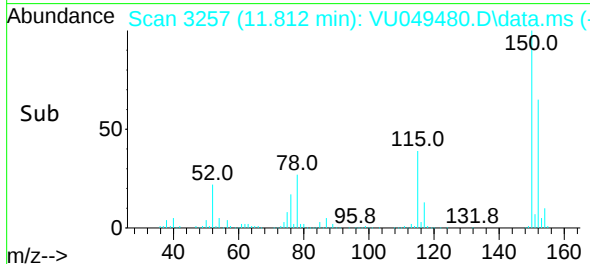
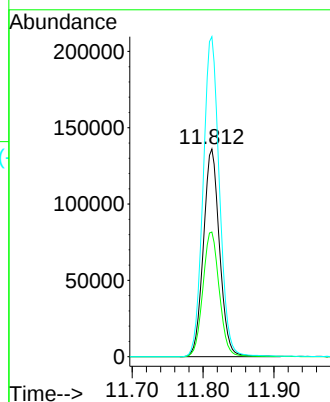
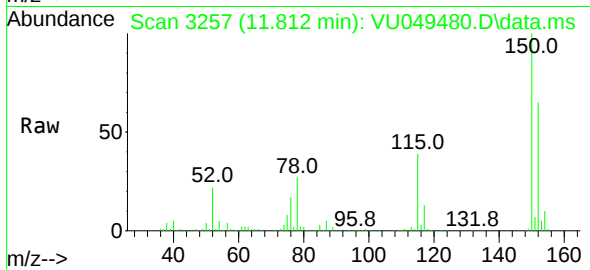




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049480.D
 Acq: 29 Jun 2022 00:13

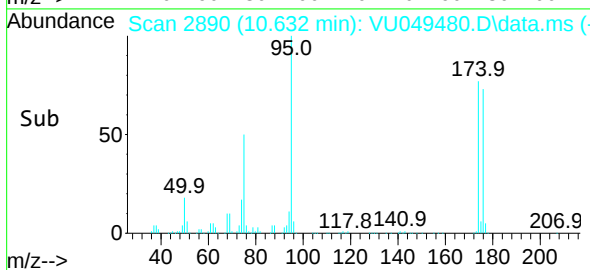
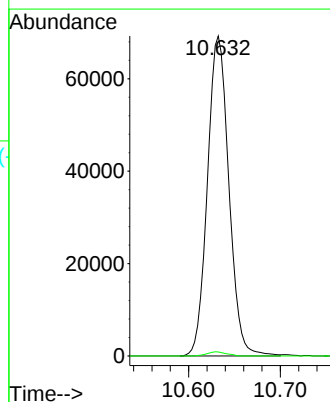
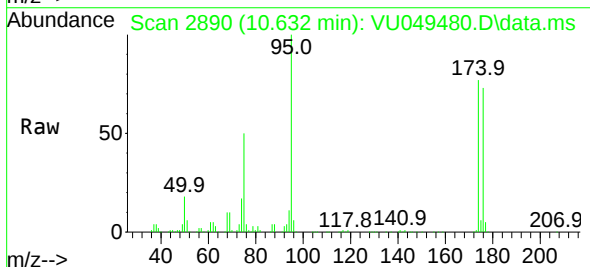
Instrument :
 MSVOA_U
 ClientSampleId :
 TB01-20220616

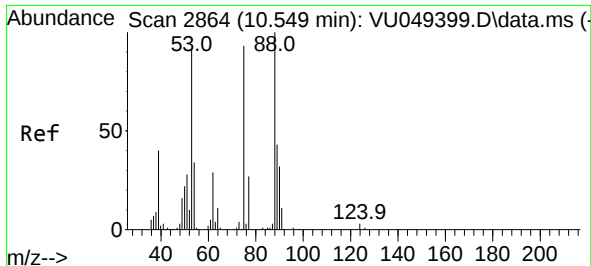
Tgt Ion:152 Resp: 214841
 Ion Ratio Lower Upper
 152 100
 115 60.9 37.0 110.9
 150 156.0 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.448 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049480.D
 Acq: 29 Jun 2022 00:13

Tgt Ion: 75 Resp: 112509
 Ion Ratio Lower Upper
 75 100
 77 1.2 15.8 47.3#

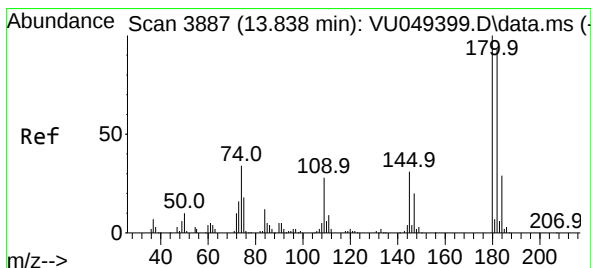
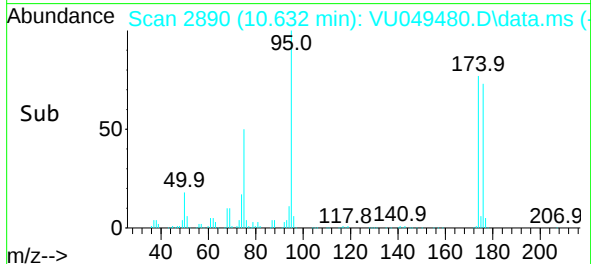
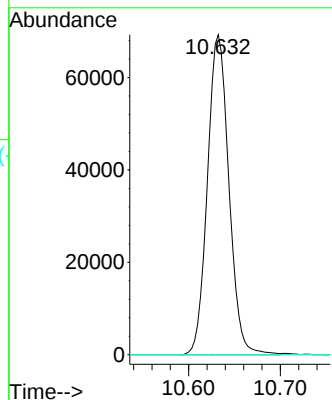
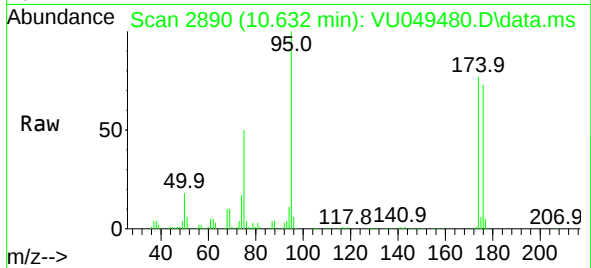




#81
trans-1,4-Dichloro-2-butene
Concen: 57.049 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

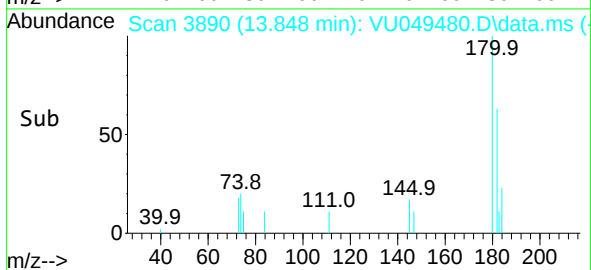
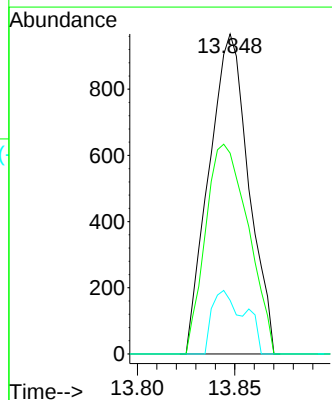
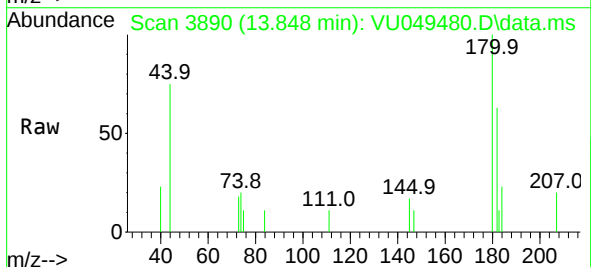
Instrument :
MSVOA_U
ClientSampleId :
TB01-20220616

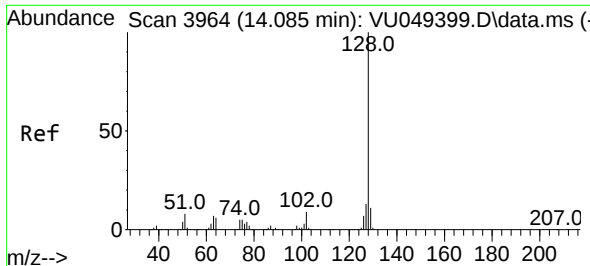
Tgt Ion: 75 Resp: 112509
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.028 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

Tgt Ion: 180 Resp: 1367
Ion Ratio Lower Upper
180 100
182 70.7 47.9 143.6
145 16.3 14.0 41.9

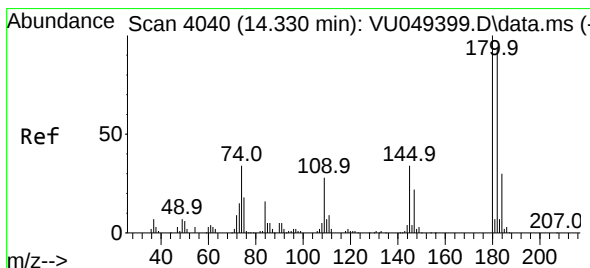
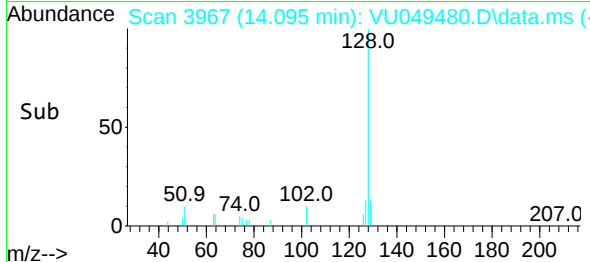
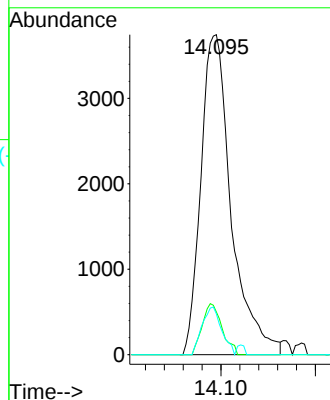
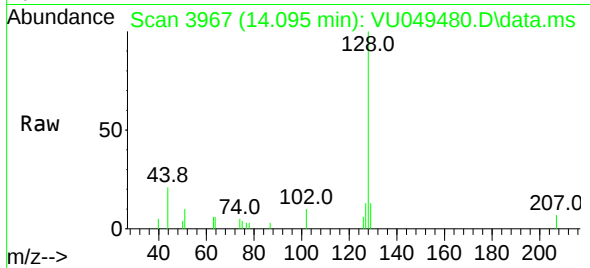




#95
Naphthalene
Concen: 2.215 ug/l
RT: 14.095 min Scan# 3964
Delta R.T. 0.010 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

Instrument :
MSVOA_U
ClientSampleId :
TB01-20220616

Tgt Ion:	128	Resp:	8350
Ion Ratio	Lower	Upper	
128	100		
127	10.4	10.3	15.5
129	9.6	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.450 ug/l
RT: 14.339 min Scan# 4043
Delta R.T. 0.010 min
Lab File: VU049480.D
Acq: 29 Jun 2022 00:13

Tgt Ion:	180	Resp:	1386
Ion Ratio	Lower	Upper	
180	100		
182	104.8	48.4	145.0
145	31.9	14.8	44.4

