

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049534.D
 Acq On : 30 Jun 2022 00:47
 Operator : SY/MD
 Sample : N3517-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-20220627

Quant Time: Jun 30 04:13:16 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	248386	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	435497	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	395813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	178776	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	176746	46.204	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.400%
35) Dibromofluoromethane	5.288	113	138916	45.593	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.180%
50) Toluene-d8	7.896	98	526738	48.470	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.940%
62) 4-Bromofluorobenzene	10.632	95	189158	45.439	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.880%

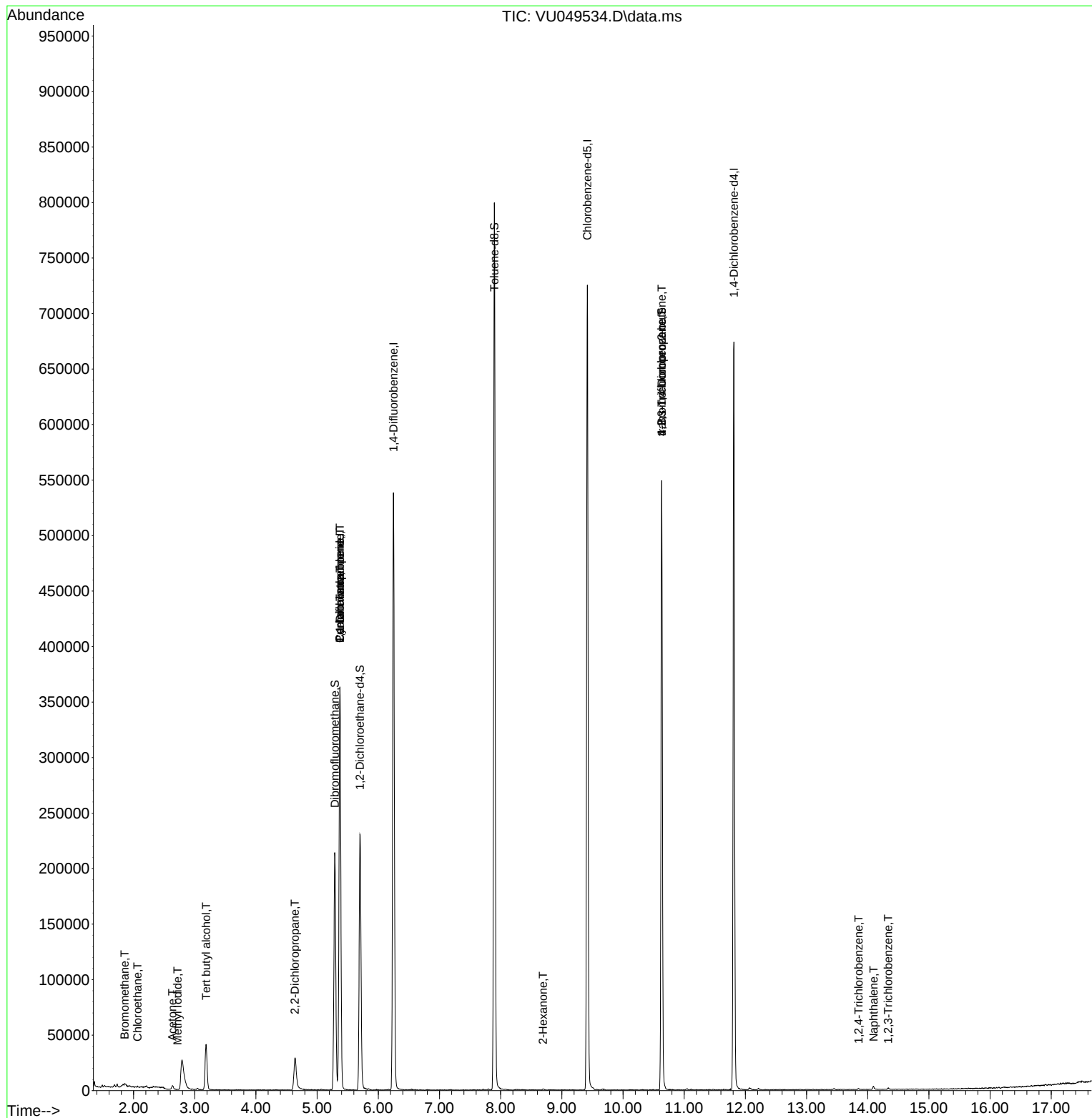
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	1518	Below Cal		95
5) Bromomethane	1.855	94	311	0.249	ug/l	82
6) Chloroethane	2.064	64	44	1.938	ug/l	# 44
10) Methyl Iodide	2.719	142	97	7.543	ug/l	# 43
11) Tert butyl alcohol	3.186	59	25524	28.507	ug/l	# 38
16) Acetone	2.636	43	5038	2.612	ug/l	90
20) Methylene Chloride	3.044	84	542	Below Cal		# 71
26) 2,2-Dichloropropane	4.636	77	1958	0.393	ug/l	# 52
31) Cyclohexane	5.372	56	5035	0.877	ug/l	# 1
36) 1,1-Dichloropropene	5.372	75	20408	4.619	ug/l	# 48
38) Carbon Tetrachloride	5.372	117	25325	5.466	ug/l	# 16
59) 2-Hexanone	8.693	43	940	0.202	ug/l	83
76) 1,2,3-Trichloropropane	10.632	75	96047	15.848	ug/l	# 45
81) trans-1,4-Dichloro-2-b...	10.632	75	96047	58.526	ug/l	# 15
93) 1,2,4-Trichlorobenzene	13.851	180	541	1.884	ug/l	# 68
95) Naphthalene	14.095	128	3214	1.958	ug/l	# 90
96) 1,2,3-Trichlorobenzene	14.333	180	554	1.308	ug/l	71

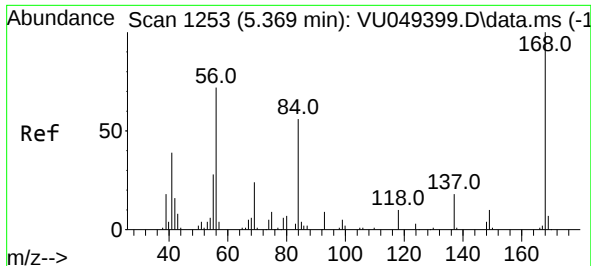
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 28 10:35:43 2022
Response via : Initial Calibration

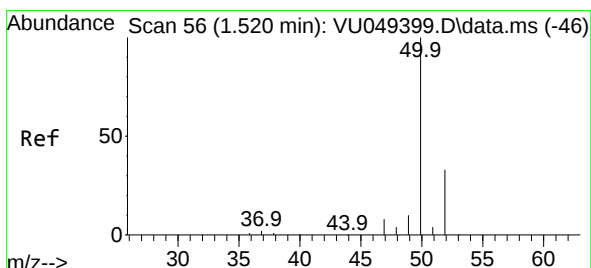
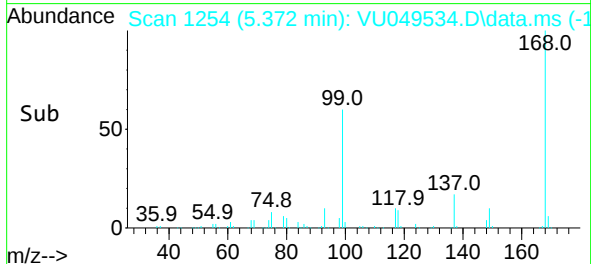
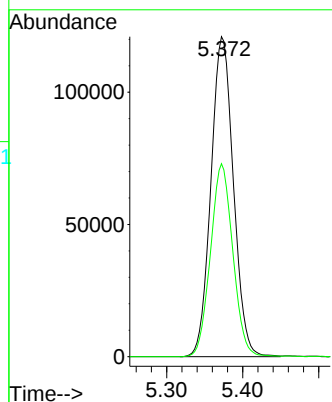
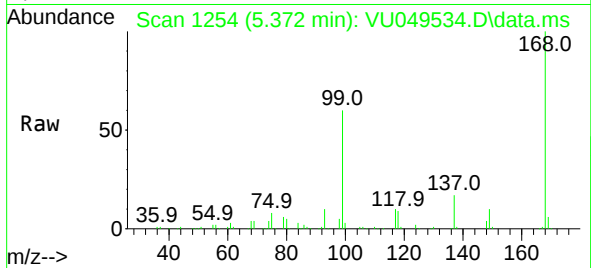




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

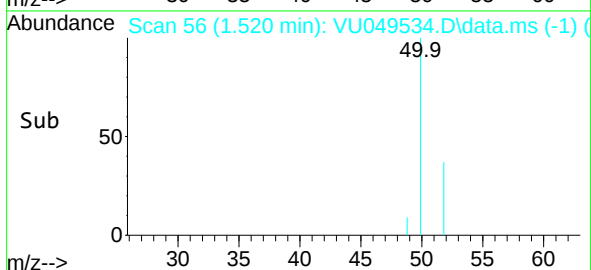
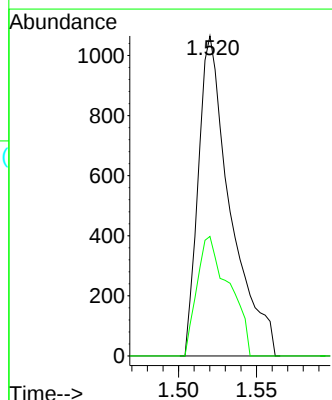
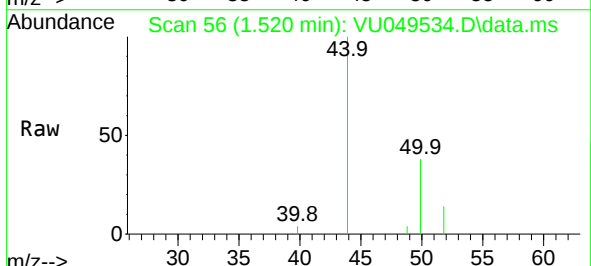
Instrument :
MSVOA_U
ClientSampleId :
TB-20220627

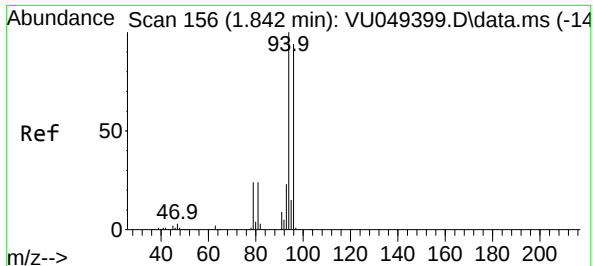
Tgt Ion:168 Resp: 248386
Ion Ratio Lower Upper
168 100
99 60.3 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

Tgt Ion: 50 Resp: 1518
Ion Ratio Lower Upper
50 100
52 37.4 27.4 41.2

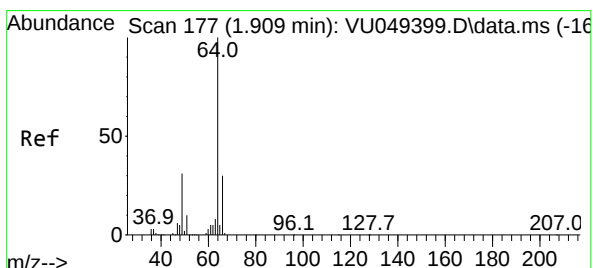
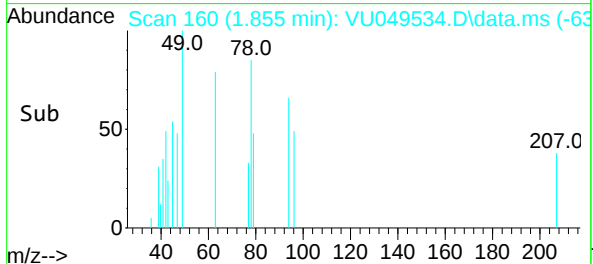
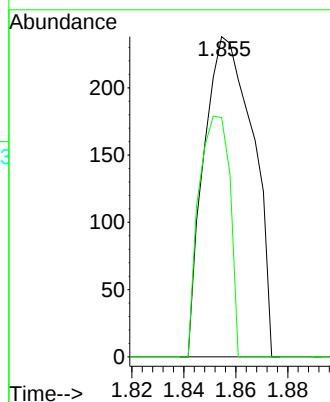
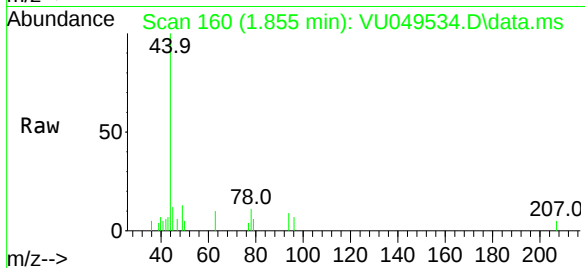




#5
Bromomethane
Concen: 0.249 ug/l
RT: 1.855 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

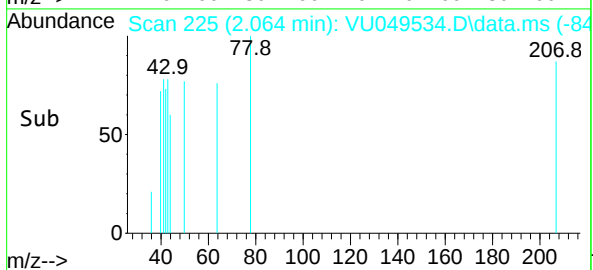
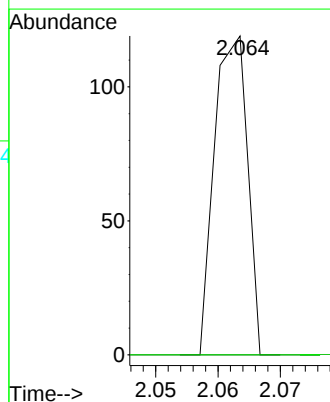
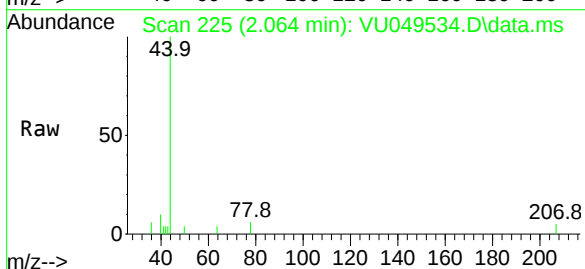
Instrument :
MSVOA_U
ClientSampleId :
TB-20220627

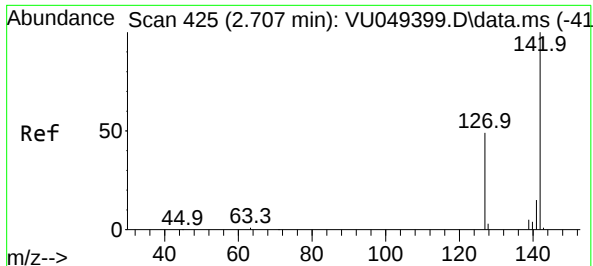
Tgt Ion: 94 Resp: 311
Ion Ratio Lower Upper
94 100
96 74.8 73.7 110.5



#6
Chloroethane
Concen: 1.938 ug/l
RT: 2.064 min Scan# 225
Delta R.T. 0.154 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

Tgt Ion: 64 Resp: 44
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

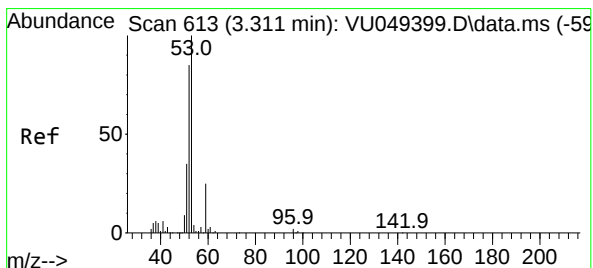
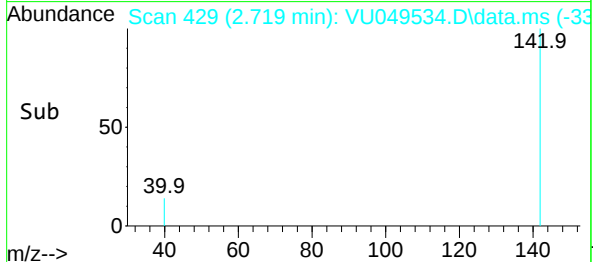
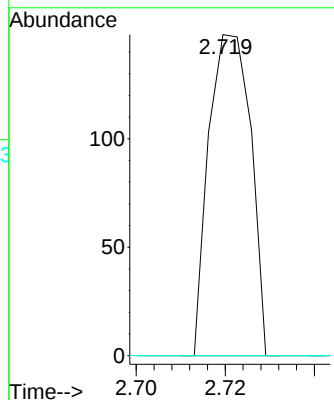
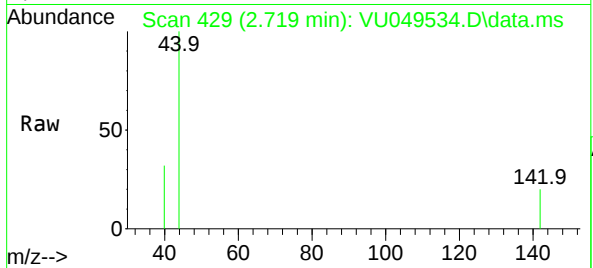




#10
Methyl Iodide
Concen: 7.543 ug/l
RT: 2.719 min Scan# 41
Delta R.T. 0.013 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

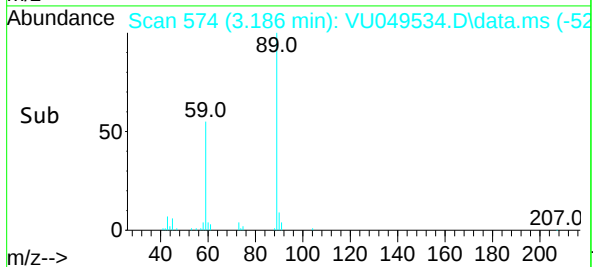
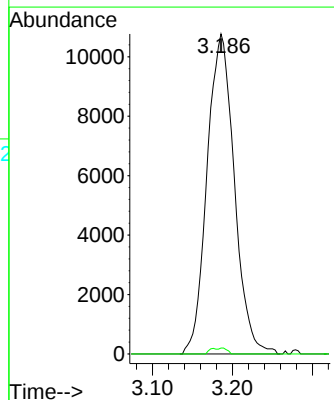
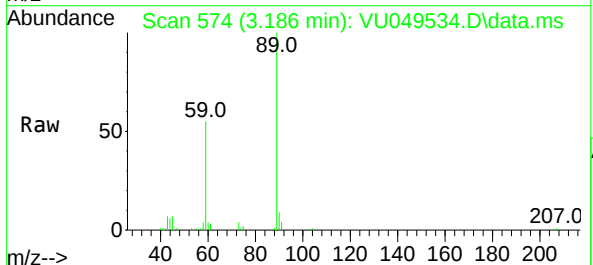
Instrument :
MSVOA_U
ClientSampleId :
TB-20220627

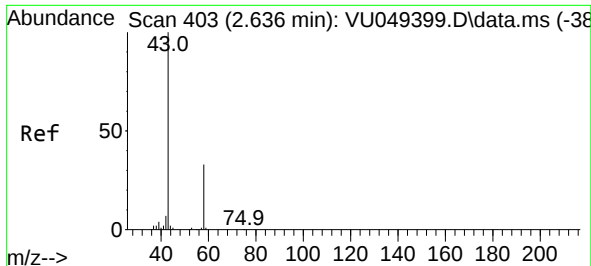
Tgt Ion:142 Resp: 97
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 28.507 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

Tgt Ion: 59 Resp: 25524
Ion Ratio Lower Upper
59 100
57 0.5 30.6 45.8#





#16

Acetone

Concen: 2.612 ug/l

RT: 2.636 min Scan# 40

Delta R.T. 0.000 min

Lab File: VU049534.D

Acq: 30 Jun 2022 00:47

Instrument :

MSVOA_U

ClientSampleId :

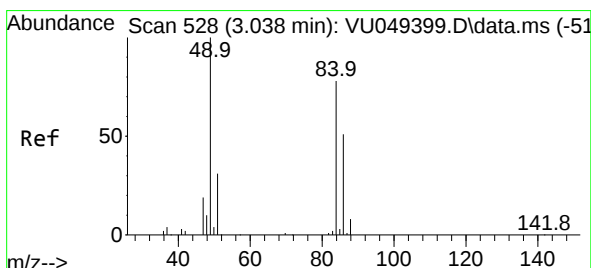
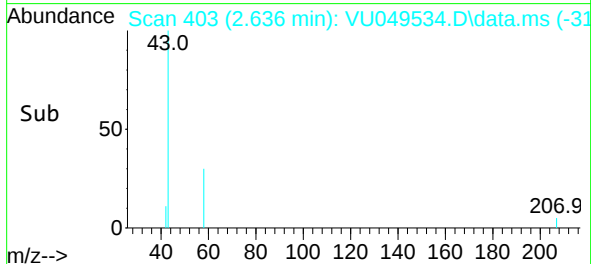
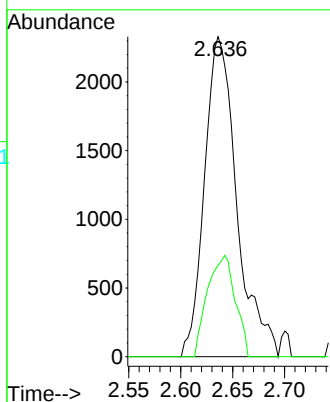
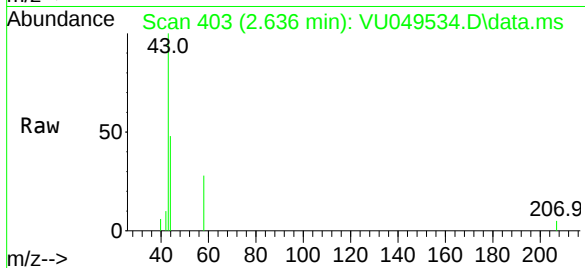
TB-20220627

Tgt Ion: 43 Resp: 5038

Ion Ratio Lower Upper

43 100

58 28.5 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 3.044 min Scan# 530

Delta R.T. 0.007 min

Lab File: VU049534.D

Acq: 30 Jun 2022 00:47

Tgt Ion: 84 Resp: 542

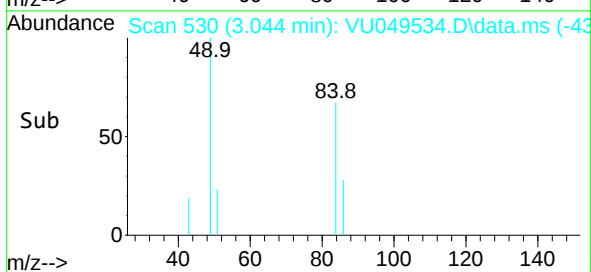
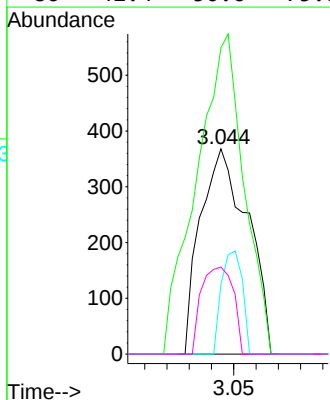
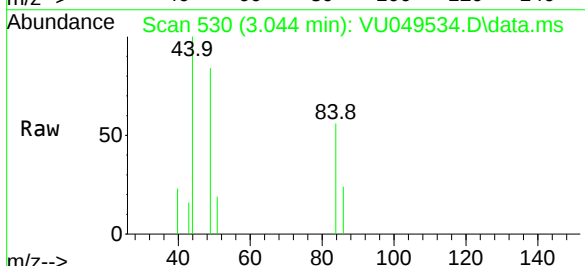
Ion Ratio Lower Upper

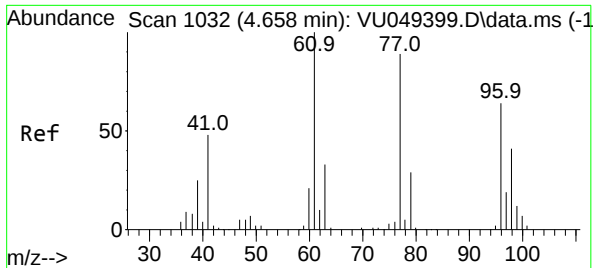
84 100

49 149.2 86.6 129.8#

51 34.0 26.6 40.0

86 42.4 50.6 75.8#





#26

2,2-Dichloropropane

Concen: 0.393 ug/l

RT: 4.636 min Scan# 1025

Delta R.T. -0.022 min

Lab File: VU049534.D

Acq: 30 Jun 2022 00:47

Instrument :

MSVOA_U

ClientSampleId :

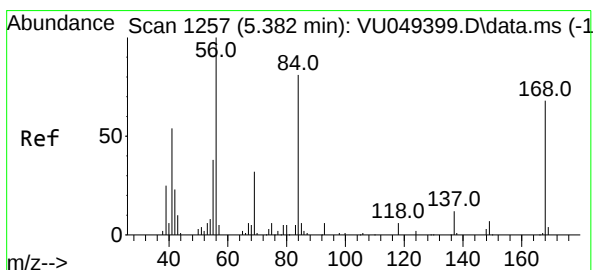
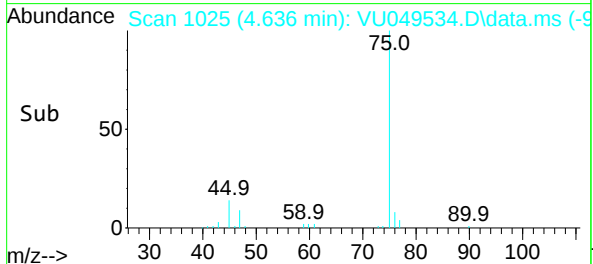
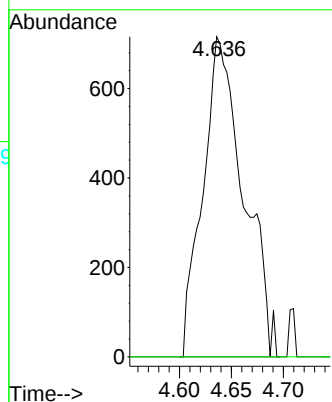
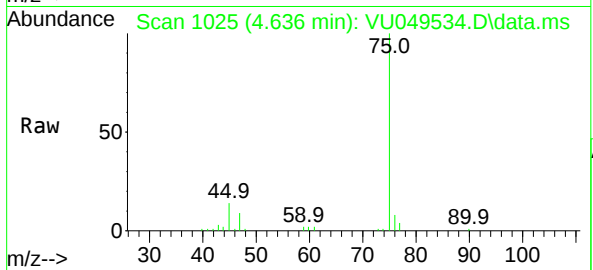
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Tgt Ion: 77 Resp: 1958

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#31

Cyclohexane

Concen: 0.877 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.010 min

Lab File: VU049534.D

Acq: 30 Jun 2022 00:47

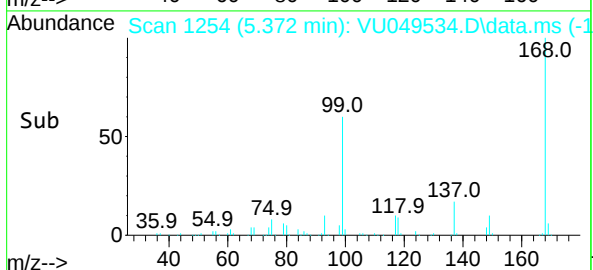
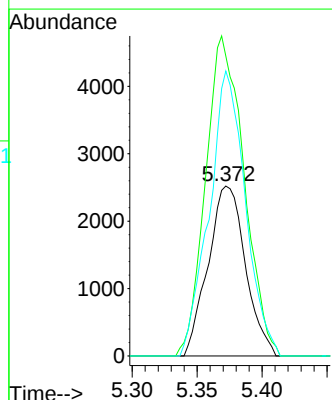
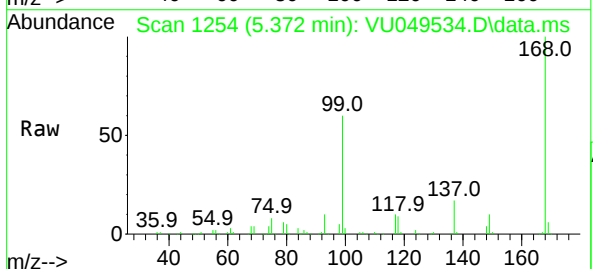
Tgt Ion: 56 Resp: 5035

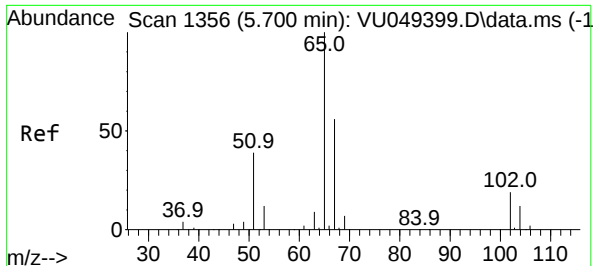
Ion Ratio Lower Upper

56 100

69 176.6 27.8 41.8#

84 172.7 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 46.204 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049534.D

Acq: 30 Jun 2022 00:47

Instrument :

MSVOA_U

ClientSampleId :

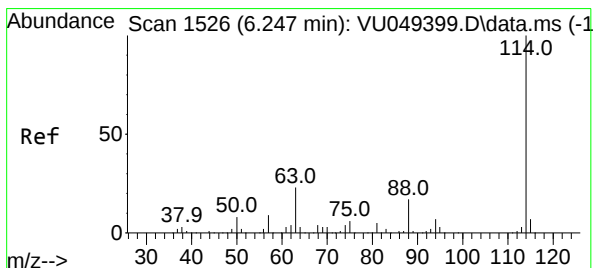
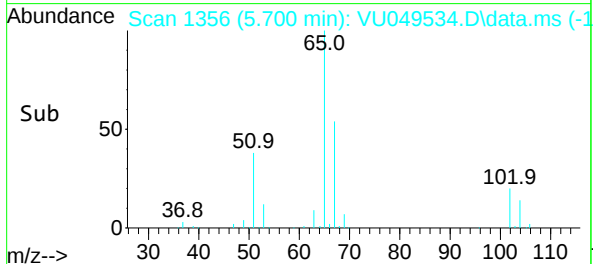
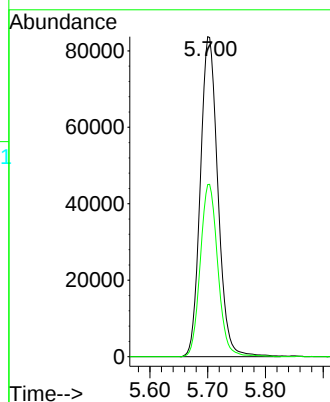
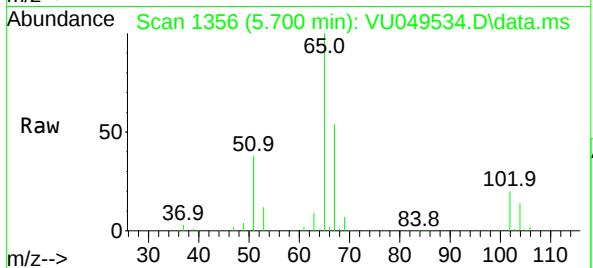
TB-20220627

Tgt Ion: 65 Resp: 176746

Ion Ratio Lower Upper

65 100

67 53.8 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: VU049534.D

Acq: 30 Jun 2022 00:47

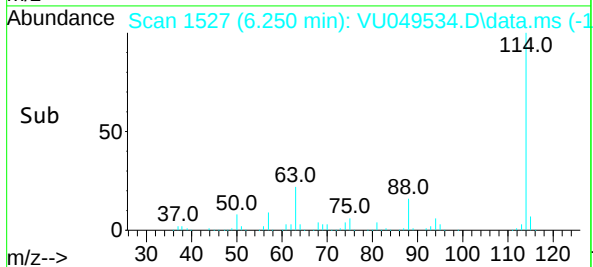
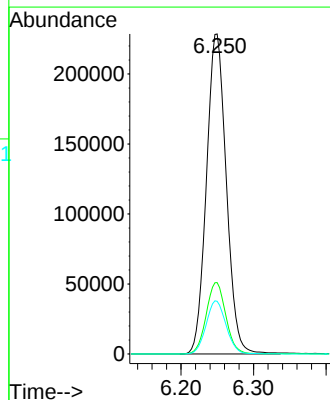
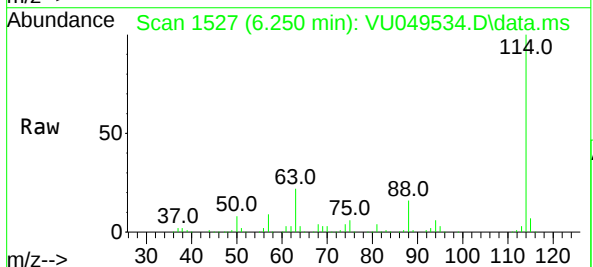
Tgt Ion: 114 Resp: 435497

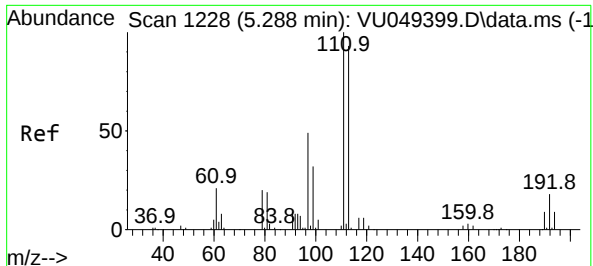
Ion Ratio Lower Upper

114 100

63 22.3 0.0 37.8

88 16.5 0.0 29.2

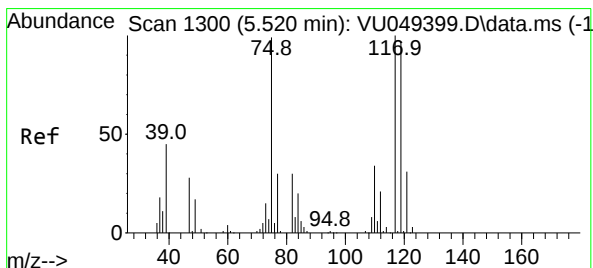
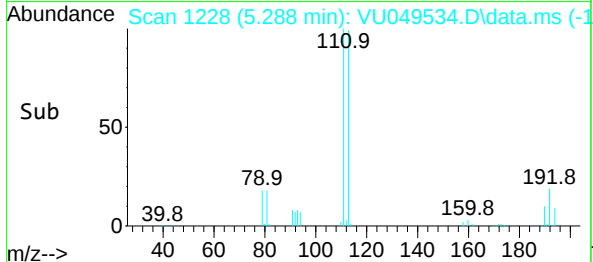
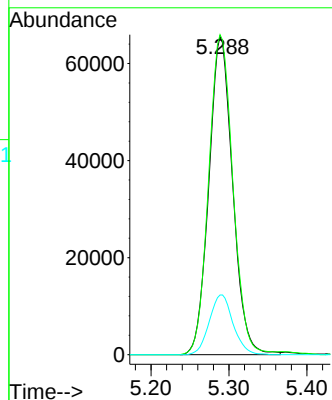
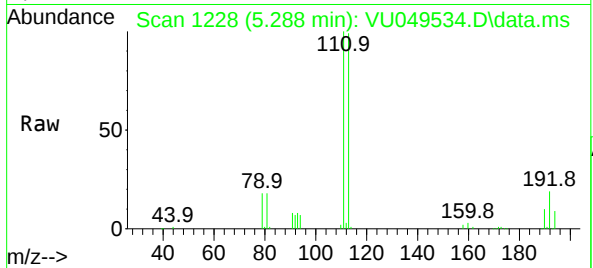




#35
Dibromofluoromethane
Concen: 45.593 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

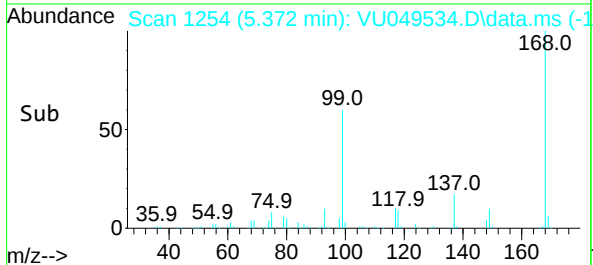
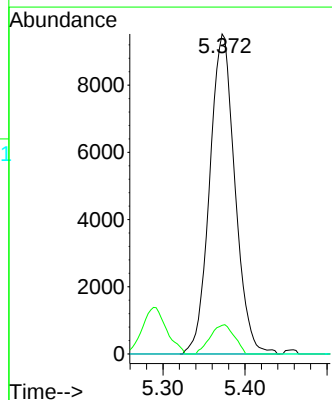
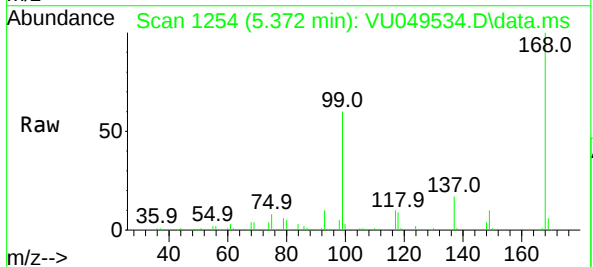
Instrument :
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ClientSampleId :
TB-20220627

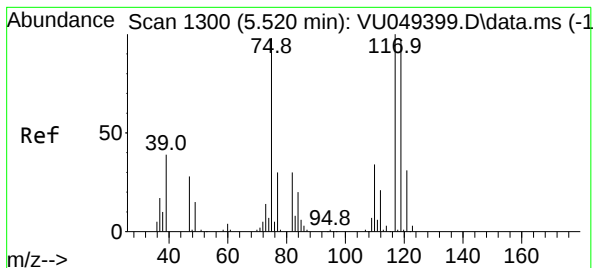
Tgt Ion:113 Resp: 138916
Ion Ratio Lower Upper
113 100
111 102.4 82.1 123.1
192 18.8 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.619 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

Tgt Ion: 75 Resp: 20408
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.466 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049534.D

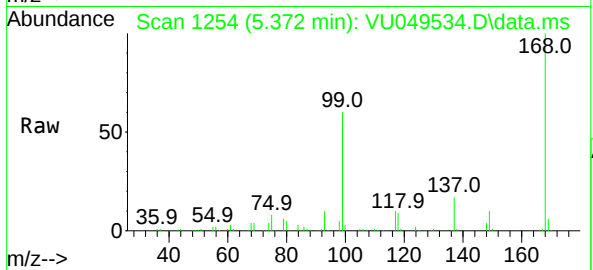
Acq: 30 Jun 2022 00:47

Instrument :

MSVOA_U

ClientSampleId :

TB-20220627



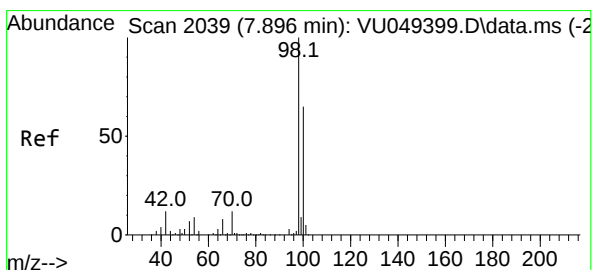
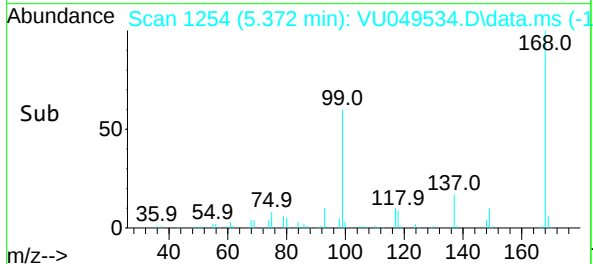
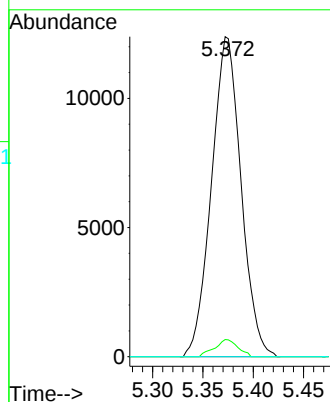
Tgt Ion:117 Resp: 25325

Ion Ratio Lower Upper

117 100

119 5.3 76.8 115.2#

121 0.0 24.7 37.1#



#50

Toluene-d8

Concen: 48.470 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049534.D

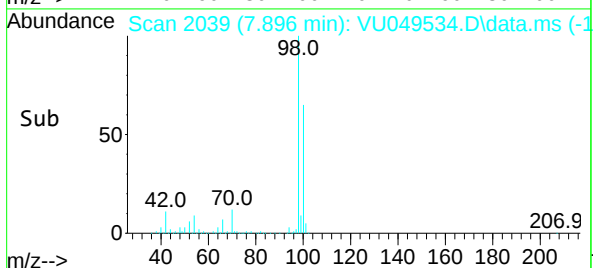
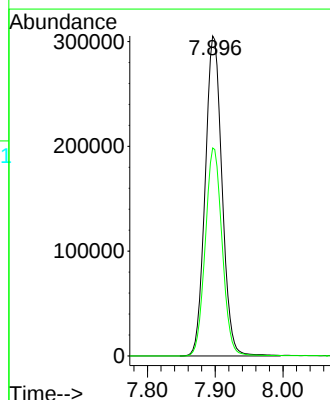
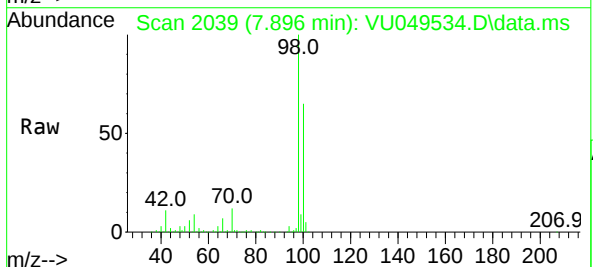
Acq: 30 Jun 2022 00:47

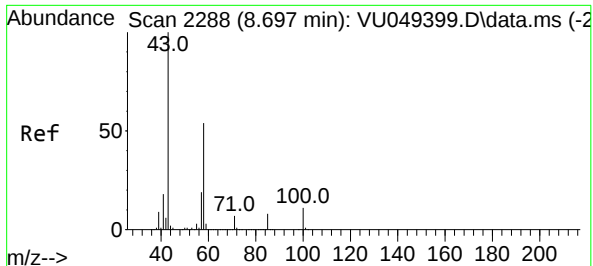
Tgt Ion: 98 Resp: 526738

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5

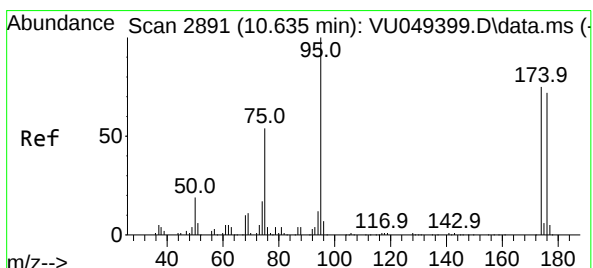
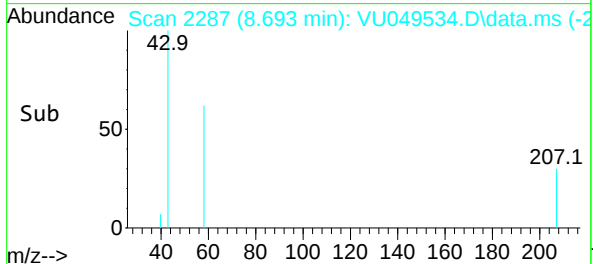
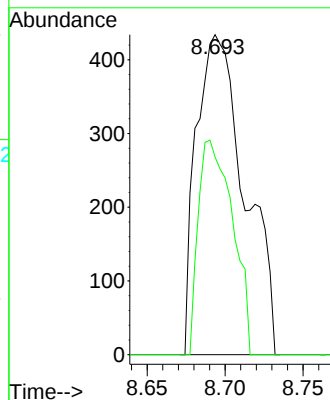
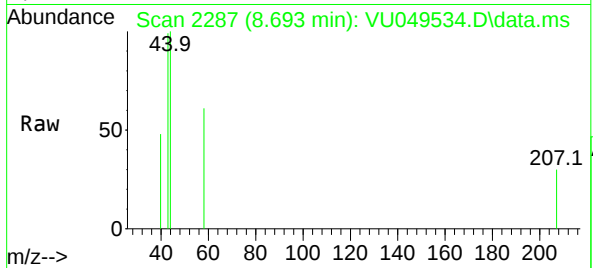




#59
2-Hexanone
Concen: 0.202 ug/l
RT: 8.693 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

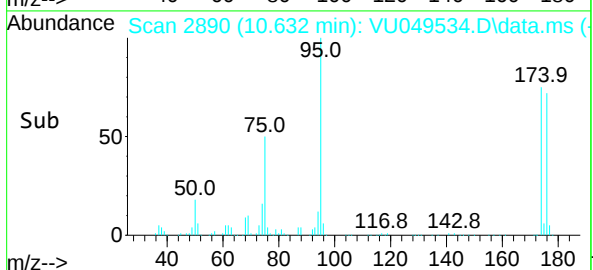
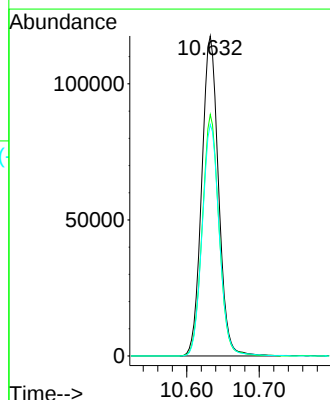
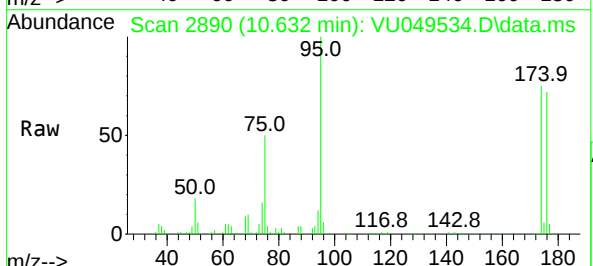
Instrument :
MSVOA_U
ClientSampleId :
TB-20220627

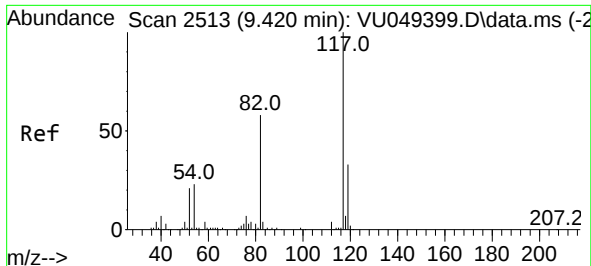
Tgt Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
58 47.2 30.3 90.8



#62
4-Bromofluorobenzene
Concen: 45.439 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

Tgt Ion: 95 Resp: 189158
Ion Ratio Lower Upper
95 100
174 75.2 0.0 182.0
176 73.5 0.0 177.8

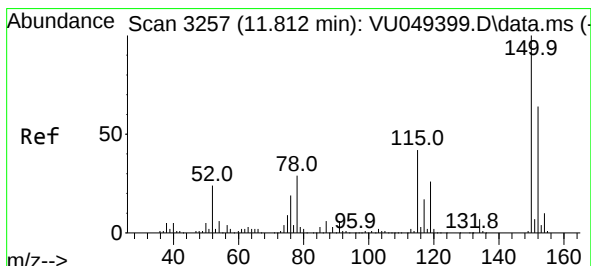
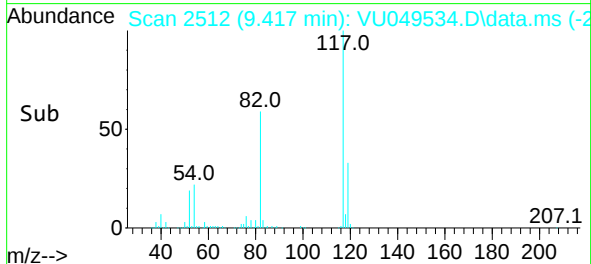
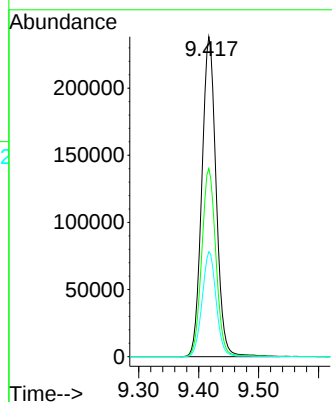
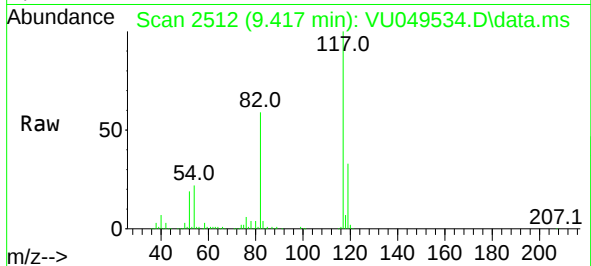




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

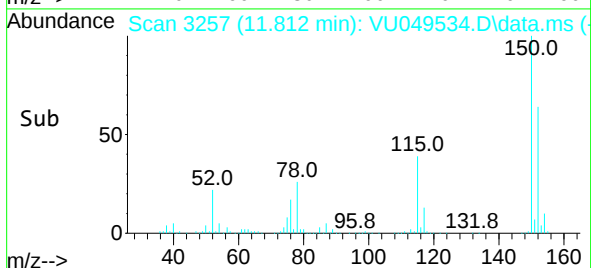
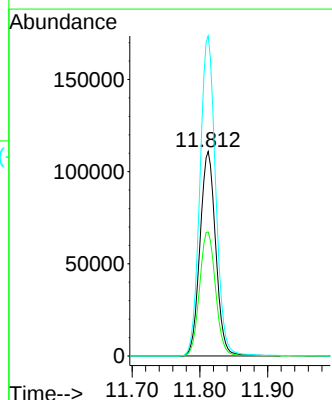
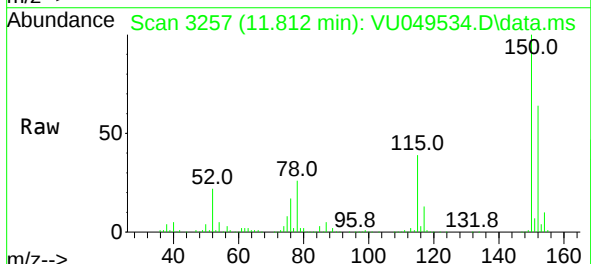
Instrument :
MSVOA_U
ClientSampleId :
TB-20220627

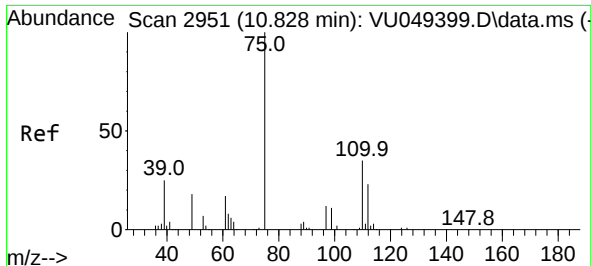
Tgt Ion:117 Resp: 395813
Ion Ratio Lower Upper
117 100
82 58.8 41.7 62.5
119 32.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

Tgt Ion:152 Resp: 178776
Ion Ratio Lower Upper
152 100
115 61.4 37.0 110.9
150 156.1 0.0 342.2

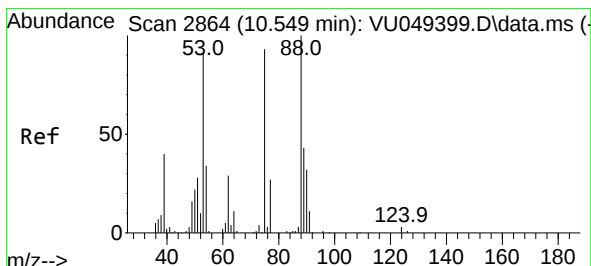
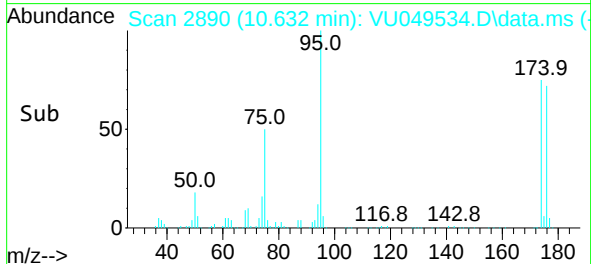
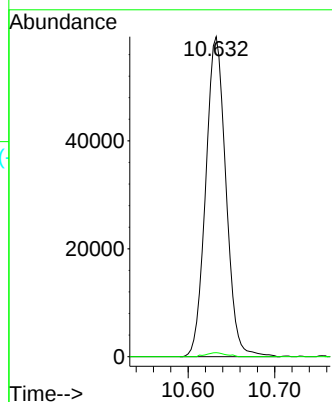
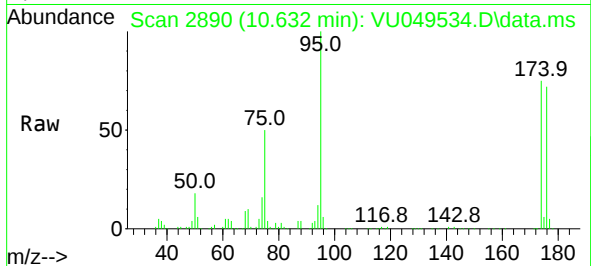




#76
1,2,3-Trichloropropane
Concen: 15.848 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

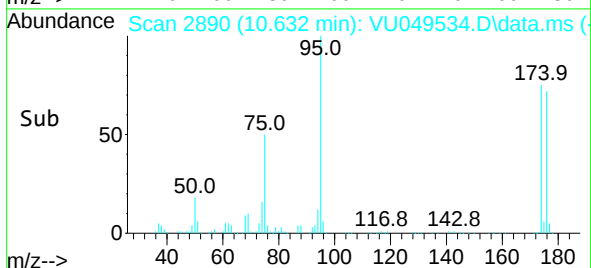
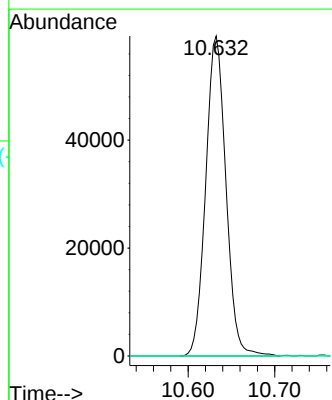
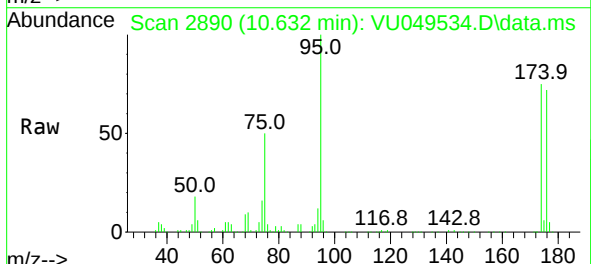
Instrument :
MSVOA_U
ClientSampleId :
TB-20220627

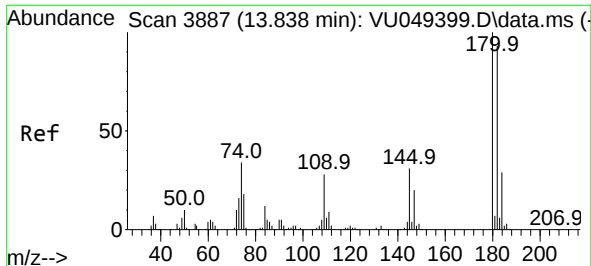
Tgt Ion: 75 Resp: 96047
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.526 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

Tgt Ion: 75 Resp: 96047
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

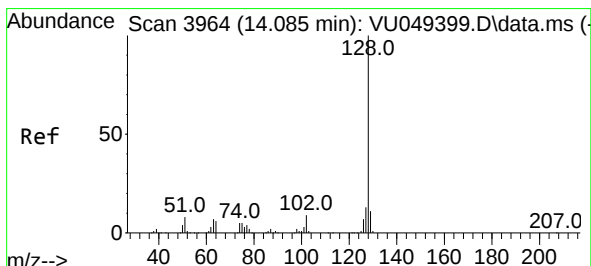
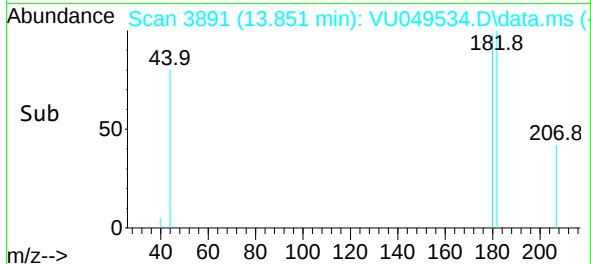
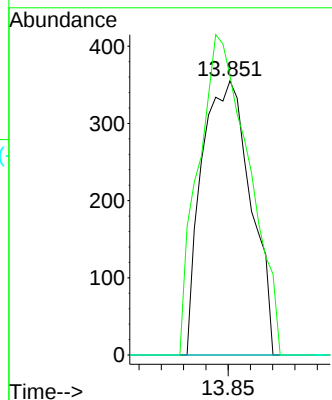
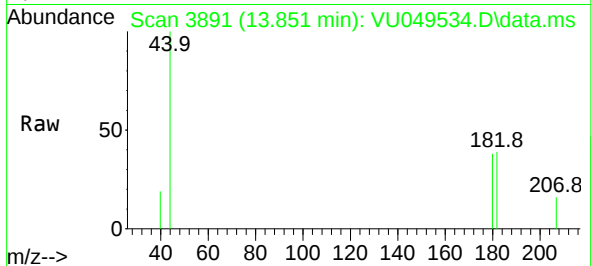




#93
1,2,4-Trichlorobenzene
Concen: 1.884 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.013 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

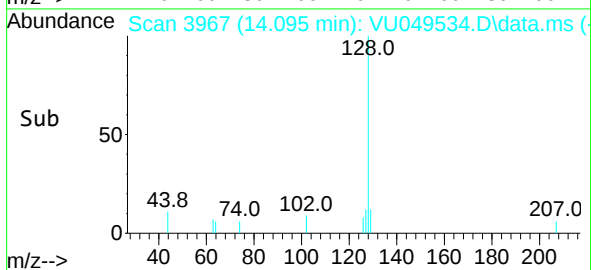
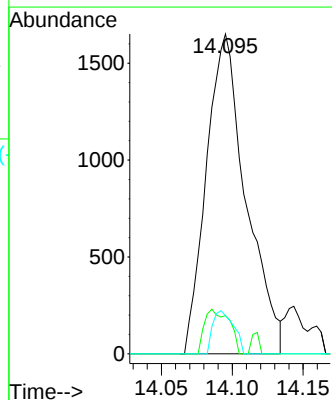
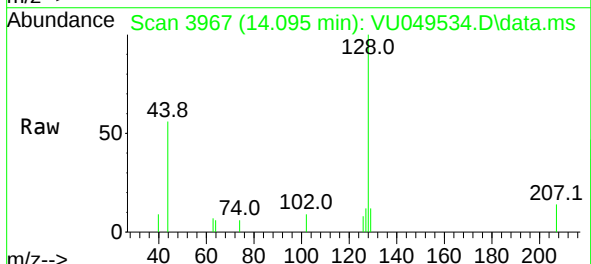
Instrument :
MSVOA_U
ClientSampleId :
TB-20220627

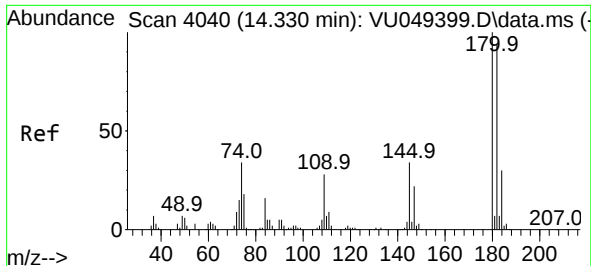
Tgt Ion:180 Resp: 541
Ion Ratio Lower Upper
180 100
182 121.1 47.9 143.6
145 0.0 14.0 41.9#



#95
Naphthalene
Concen: 1.958 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU049534.D
Acq: 30 Jun 2022 00:47

Tgt Ion:128 Resp: 3214
Ion Ratio Lower Upper
128 100
127 8.6 10.3 15.5#
129 7.1 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.308 ug/l

RT: 14.333 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU049534.D

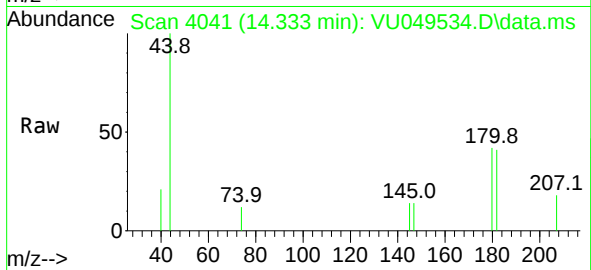
Acq: 30 Jun 2022 00:47

Instrument :

MSVOA_U

ClientSampleId :

TB-20220627



Tgt Ion:180 Resp: 554

Ion Ratio Lower Upper

180 100

182 128.2 48.4 145.0

145 19.5 14.8 44.4

