

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049508.D
 Acq On : 29 Jun 2022 13:26
 Operator : SY/MD
 Sample : N3482-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB062322

Quant Time: Jun 30 00:48:24 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)

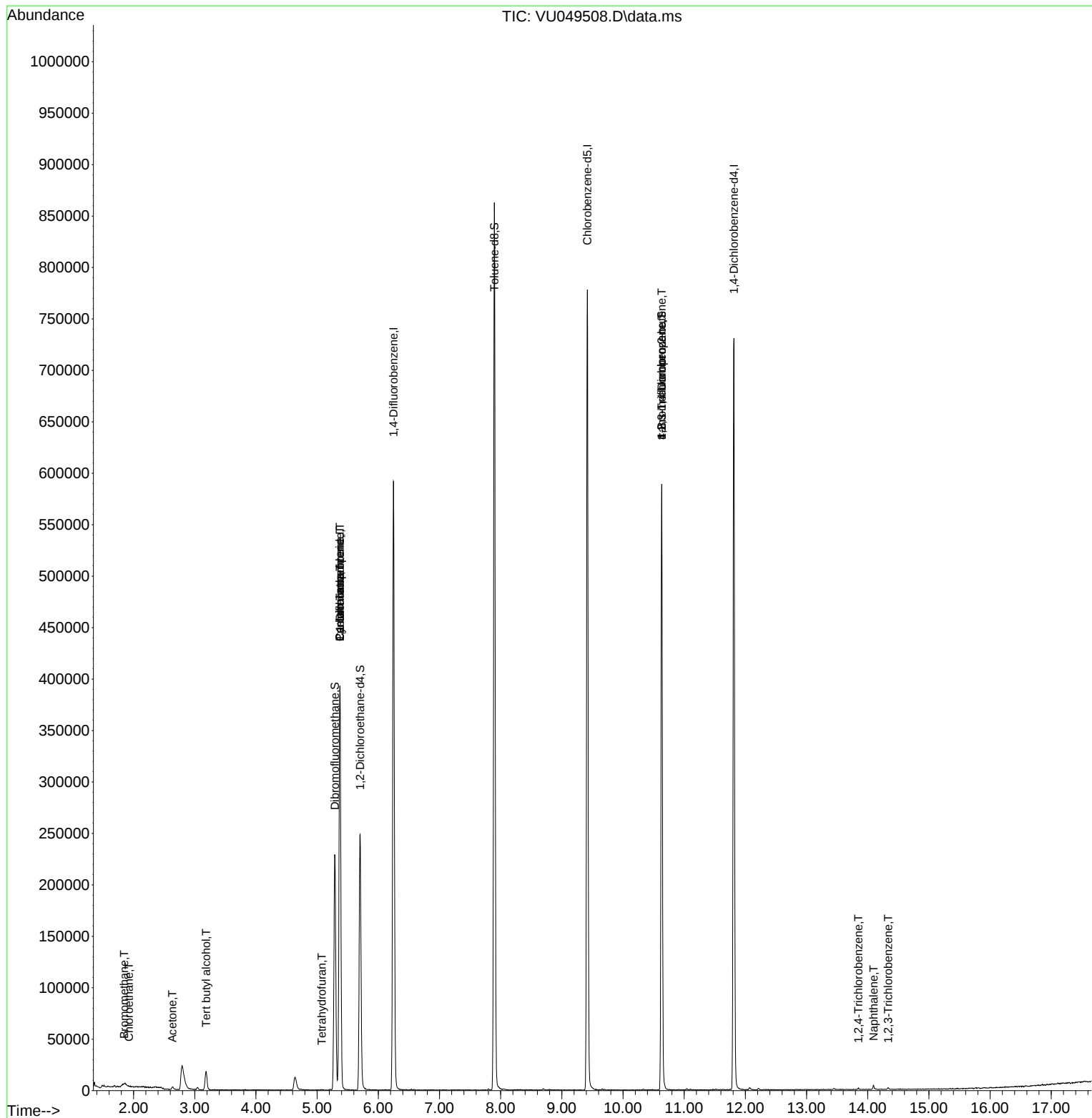
Internal Standards						
1) Pentafluorobenzene	5.372	168	274861	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	478230	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	432747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	194272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	186955	44.166	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.340%
35) Dibromofluoromethane	5.289	113	151808	45.372	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.740%
50) Toluene-d8	7.896	98	577610	48.402	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.800%
62) 4-Bromofluorobenzene	10.632	95	203096	44.428	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.860%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1050	Below Cal	#	86
5) Bromomethane	1.848	94	368	0.266	ug/l #	48
6) Chloroethane	1.922	64	63	1.945	ug/l #	44
11) Tert butyl alcohol	3.186	59	11741	11.850	ug/l #	37
16) Acetone	2.636	43	3555	1.665	ug/l	98
20) Methylene Chloride	3.044	84	1104	Below Cal	#	84
29) Tetrahydrofuran	5.076	42	441	0.201	ug/l #	30
31) Cyclohexane	5.372	56	5639	0.887	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	22293	4.595	ug/l #	49
38) Carbon Tetrachloride	5.372	117	27734	5.451	ug/l #	16
76) 1,2,3-Trichloropropane	10.632	75	101365	15.392	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	101365	56.840	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.848	180	588	1.884	ug/l #	83
95) Naphthalene	14.095	128	4128	1.998	ug/l #	73
96) 1,2,3-Trichlorobenzene	14.333	180	726	1.335	ug/l	85

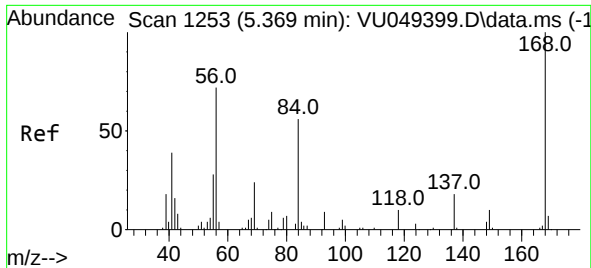
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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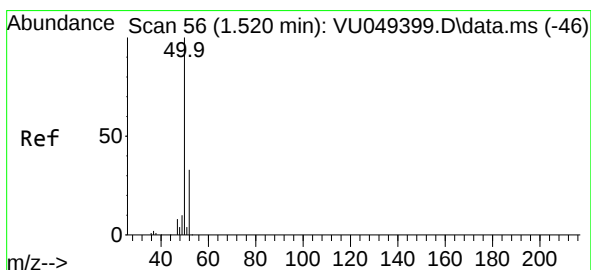
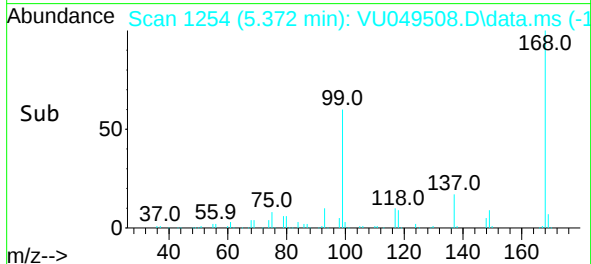
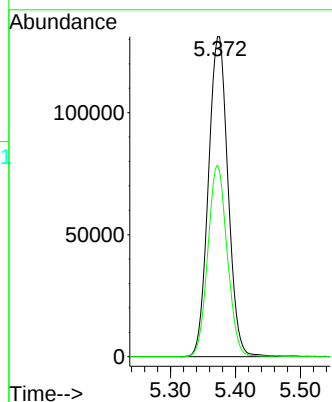
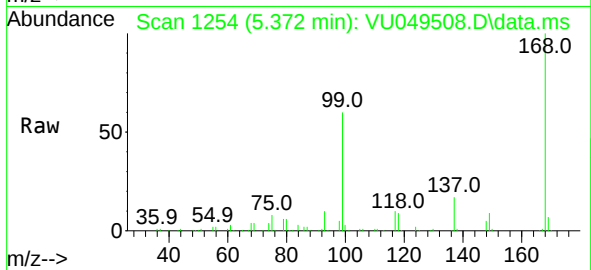




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

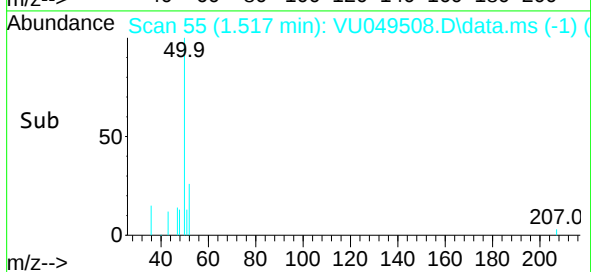
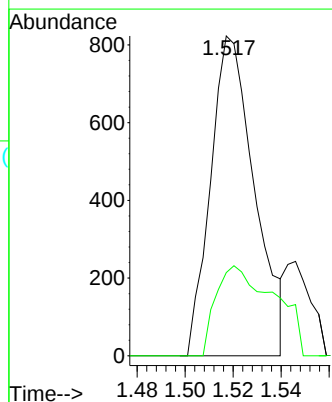
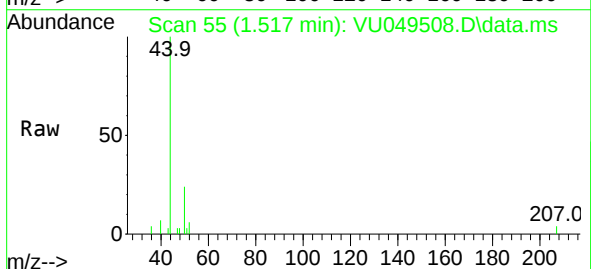
Instrument :
MSVOA_U
ClientSampleId :
TB062322

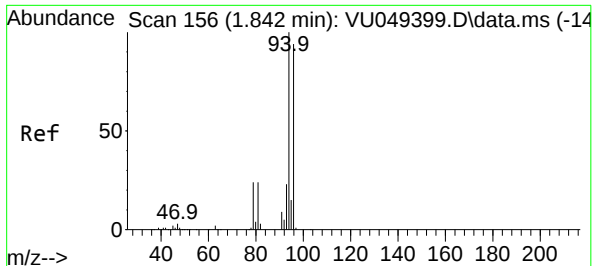
Tgt Ion:168 Resp: 274861
Ion Ratio Lower Upper
168 100
99 59.9 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

Tgt Ion: 50 Resp: 1050
Ion Ratio Lower Upper
50 100
52 26.0 27.4 41.2#

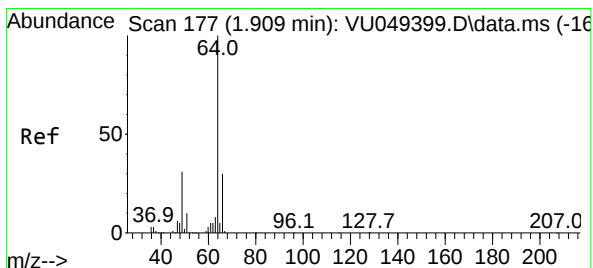
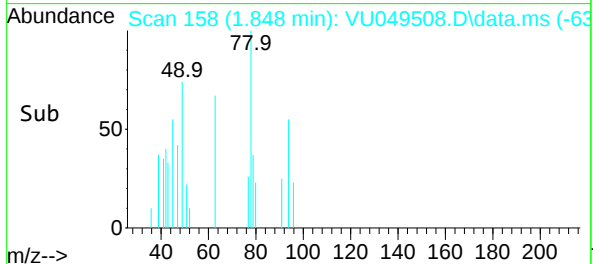
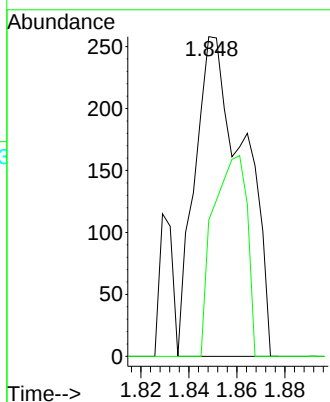
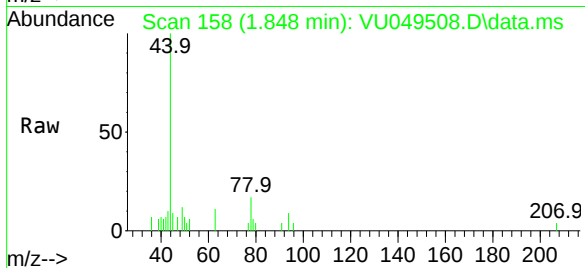




#5
Bromomethane
Concen: 0.266 ug/l
RT: 1.848 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

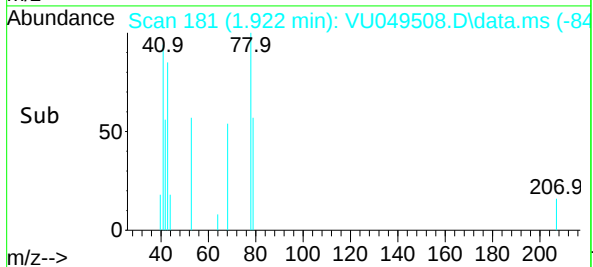
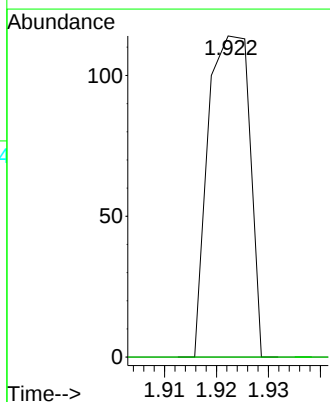
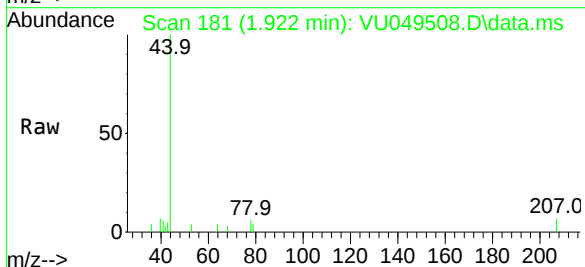
Instrument :
MSVOA_U
ClientSampleId :
TB062322

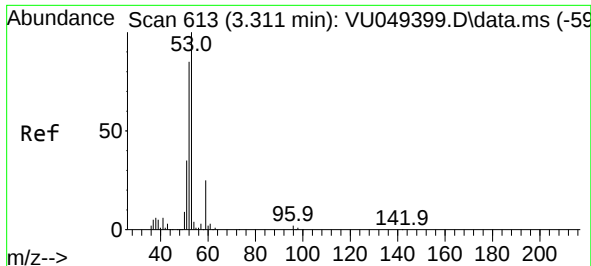
Tgt Ion: 94 Resp: 368
Ion Ratio Lower Upper
94 100
96 42.6 73.7 110.5#



#6
Chloroethane
Concen: 1.945 ug/l
RT: 1.922 min Scan# 181
Delta R.T. 0.013 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

Tgt Ion: 64 Resp: 63
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#





#11

Tert butyl alcohol

Concen: 11.850 ug/l

RT: 3.186 min Scan# 51

Delta R.T. -0.125 min

Lab File: VU049508.D

Acq: 29 Jun 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

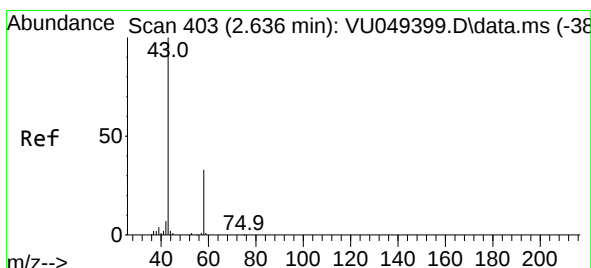
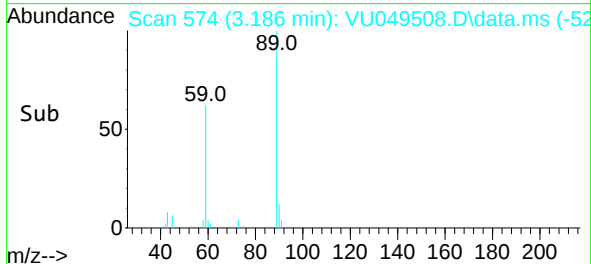
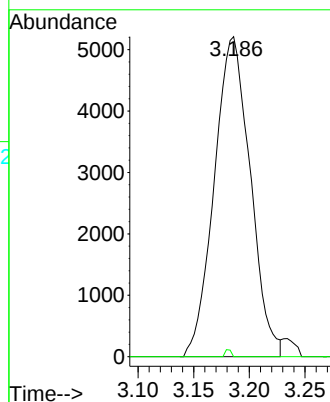
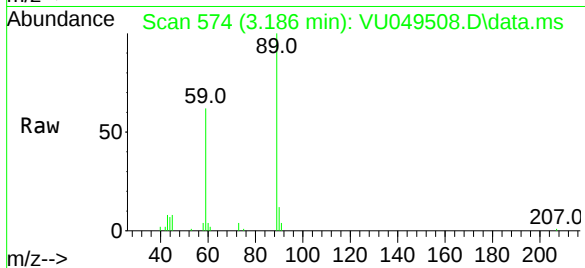
TB062322

Tgt Ion: 59 Resp: 11741

Ion Ratio Lower Upper

59 100

57 0.4 30.6 45.8#



#16

Acetone

Concen: 1.665 ug/l

RT: 2.636 min Scan# 403

Delta R.T. 0.000 min

Lab File: VU049508.D

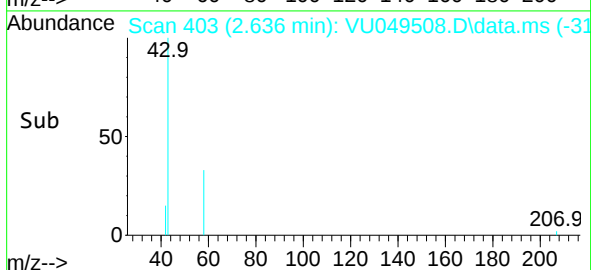
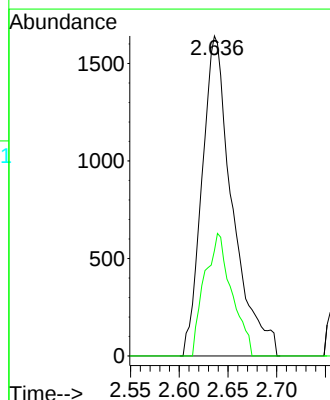
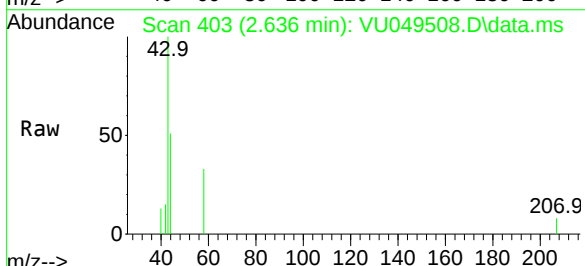
Acq: 29 Jun 2022 13:26

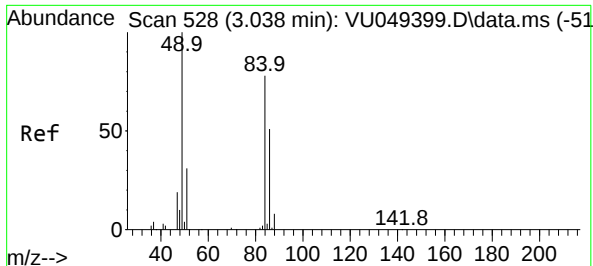
Tgt Ion: 43 Resp: 3555

Ion Ratio Lower Upper

43 100

58 33.0 27.5 41.3

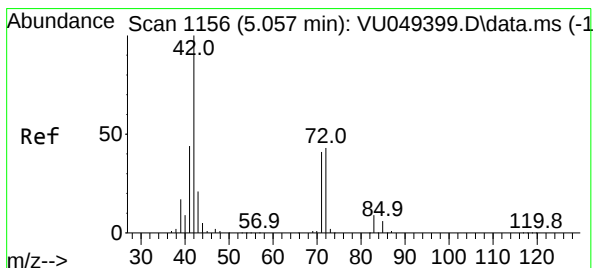
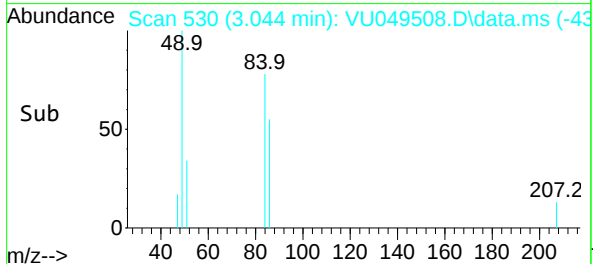
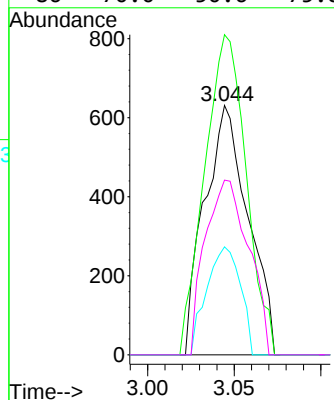
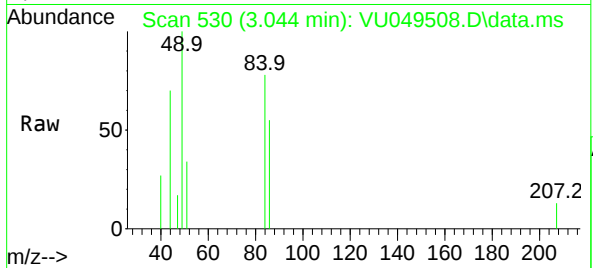




#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

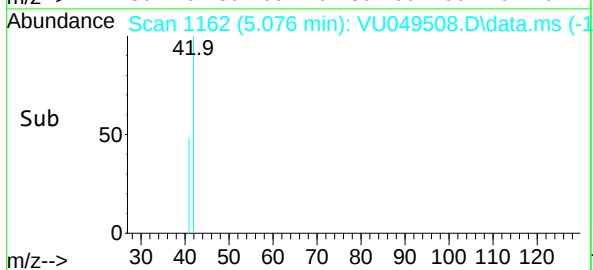
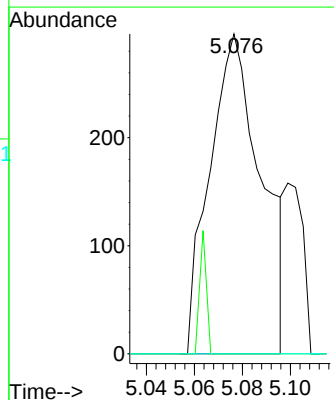
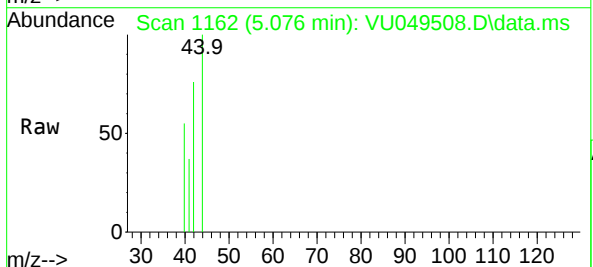
Instrument :
MSVOA_U
ClientSampleId :
TB062322

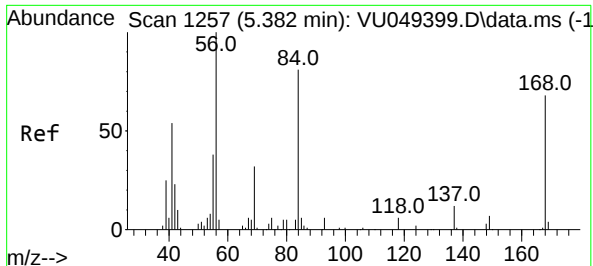
Tgt Ion:	84	Resp:	1104
Ion	Ratio	Lower	Upper
84	100		
49	128.4	86.6	129.8
51	43.3	26.6	40.0#
86	70.0	50.6	75.8



#29
Tetrahydrofuran
Concen: 0.201 ug/l
RT: 5.076 min Scan# 1162
Delta R.T. 0.020 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

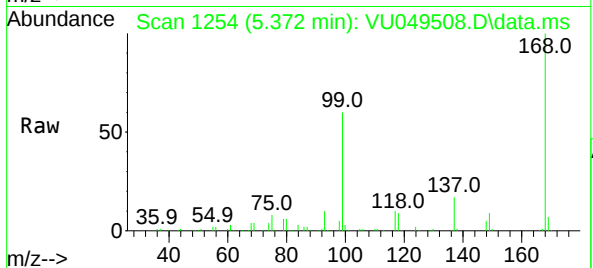
Tgt Ion:	42	Resp:	441
Ion	Ratio	Lower	Upper
42	100		
72	5.0	42.6	63.8#
71	0.0	40.3	60.5#



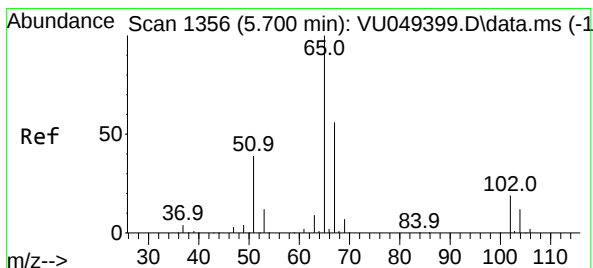
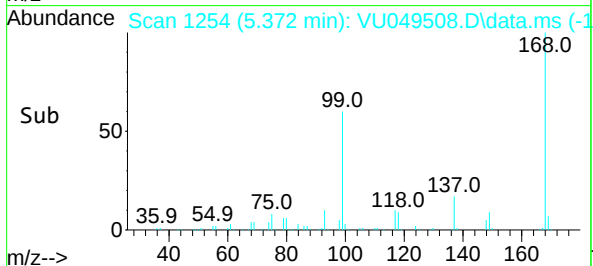
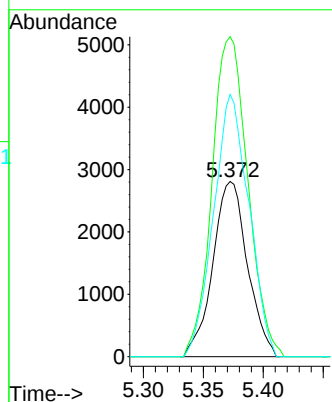


#31
Cyclohexane
Concen: 0.887 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

Instrument :
MSVOA_U
ClientSampleId :
TB062322

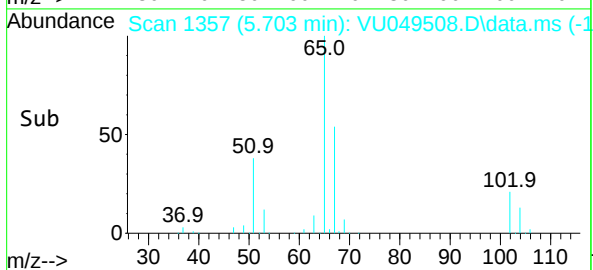
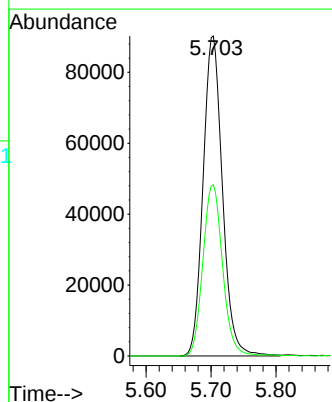
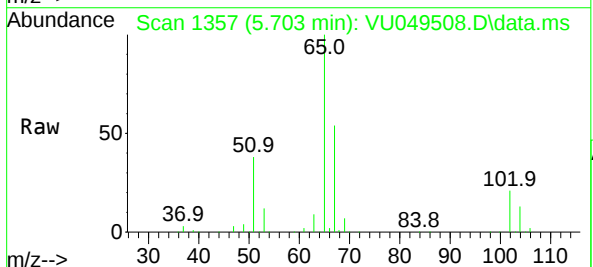


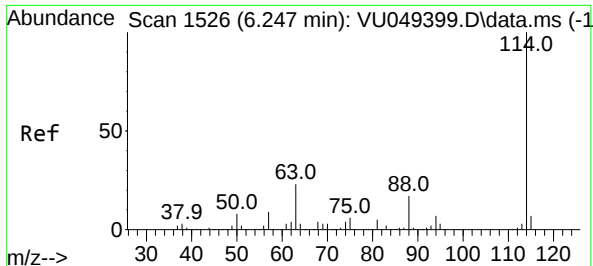
Tgt Ion: 56 Resp: 5639
Ion Ratio Lower Upper
56 100
69 182.7 27.8 41.8#
84 149.7 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 44.166 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

Tgt Ion: 65 Resp: 186955
Ion Ratio Lower Upper
65 100
67 54.3 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049508.D

Acq: 29 Jun 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

TB062322

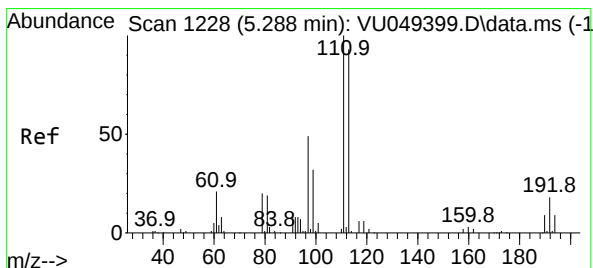
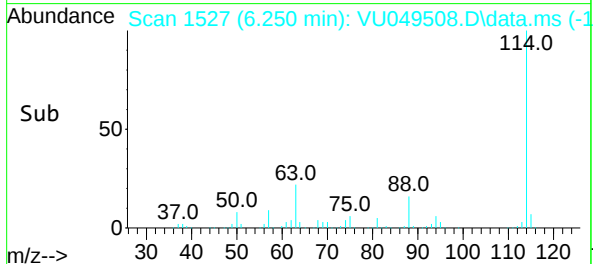
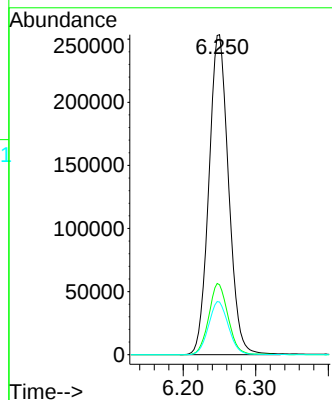
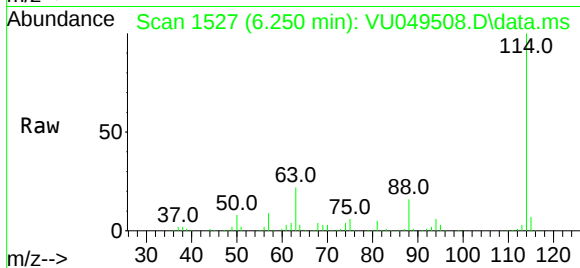
Tgt Ion:114 Resp: 478230

Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 16.4 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.372 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049508.D

Acq: 29 Jun 2022 13:26

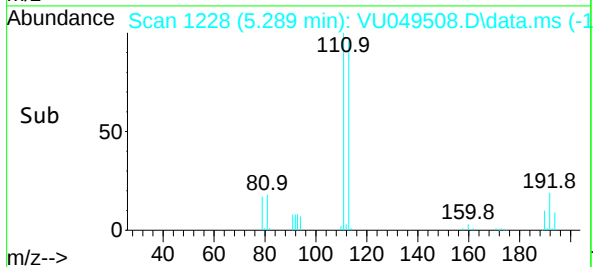
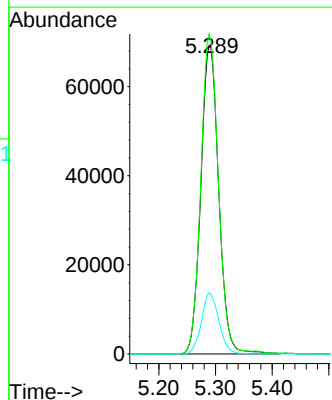
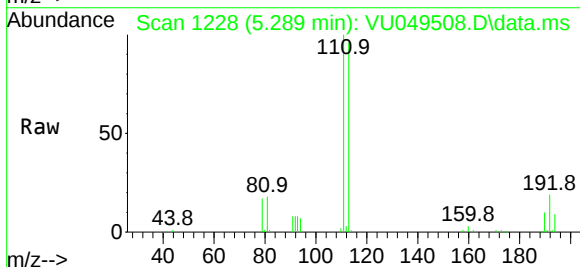
Tgt Ion:113 Resp: 151808

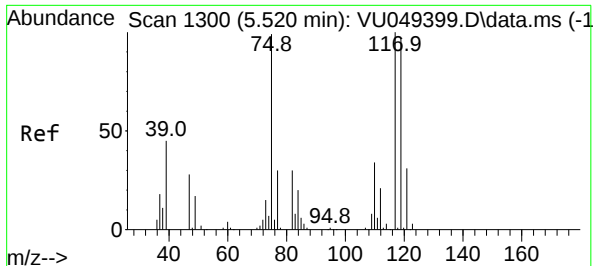
Ion Ratio Lower Upper

113 100

111 101.7 82.1 123.1

192 19.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.595 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049508.D

Acq: 29 Jun 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

TB062322

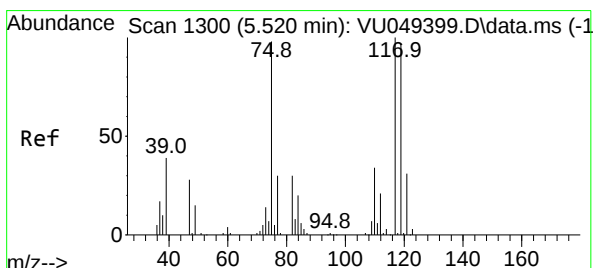
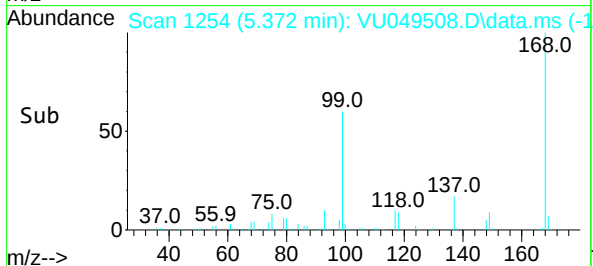
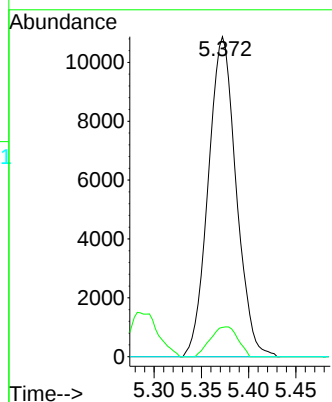
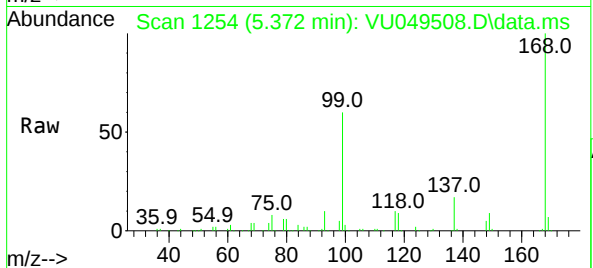
Tgt Ion: 75 Resp: 22293

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.451 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049508.D

Acq: 29 Jun 2022 13:26

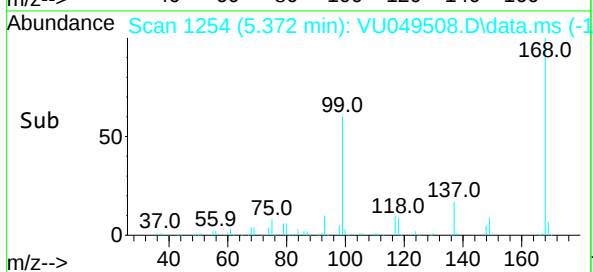
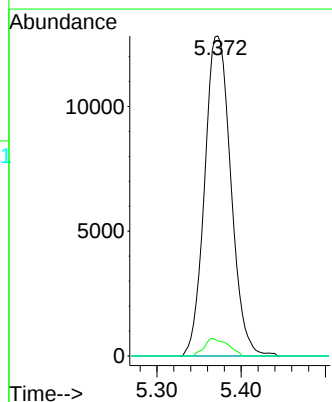
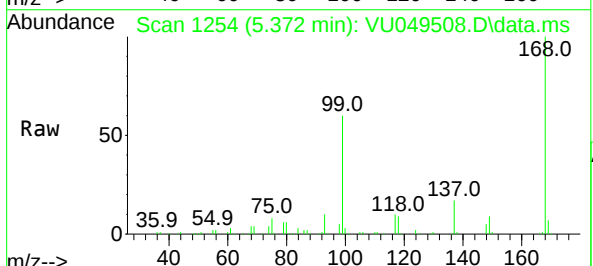
Tgt Ion: 117 Resp: 27734

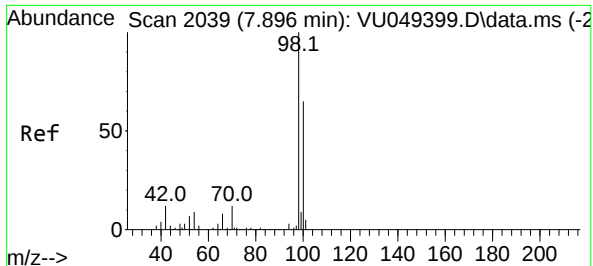
Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

121 0.0 24.7 37.1#

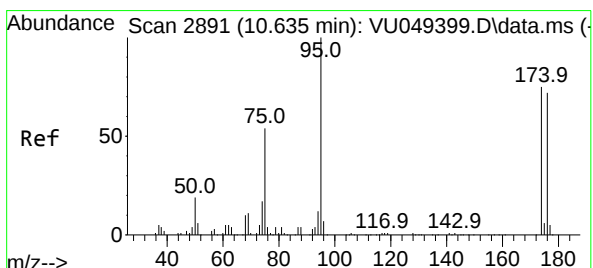
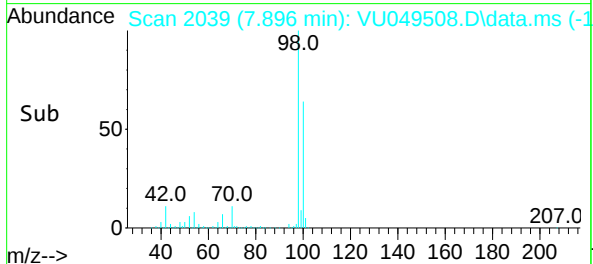
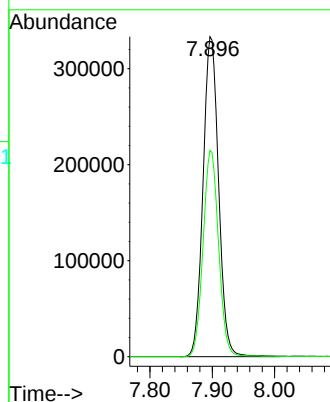
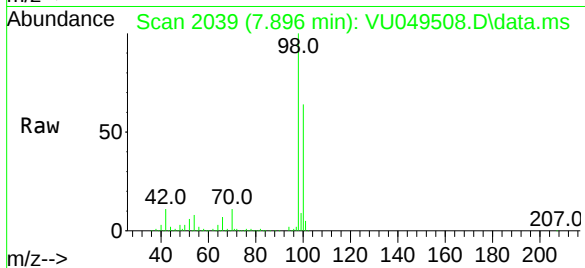




#50
Toluene-d8
Concen: 48.402 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

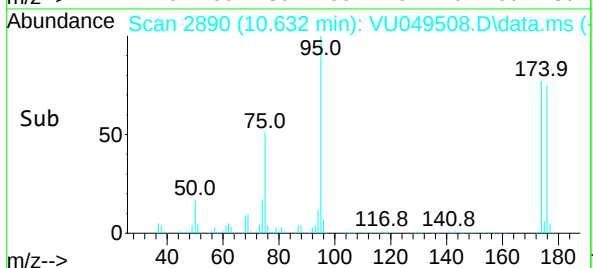
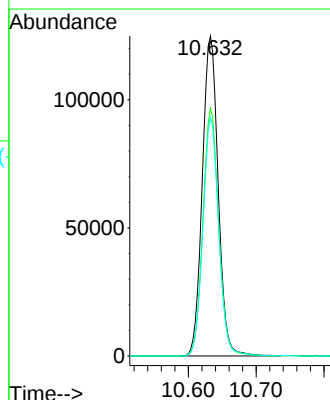
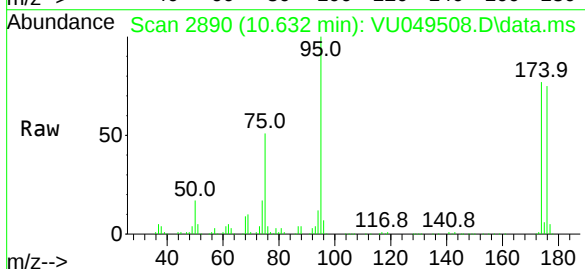
Instrument :
MSVOA_U
ClientSampleId :
TB062322

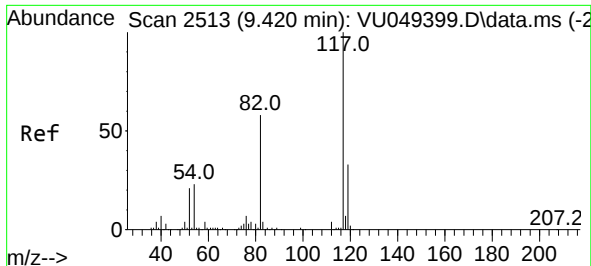
Tgt Ion: 98 Resp: 577610
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 44.428 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

Tgt Ion: 95 Resp: 203096
Ion Ratio Lower Upper
95 100
174 76.9 0.0 182.0
176 74.1 0.0 177.8

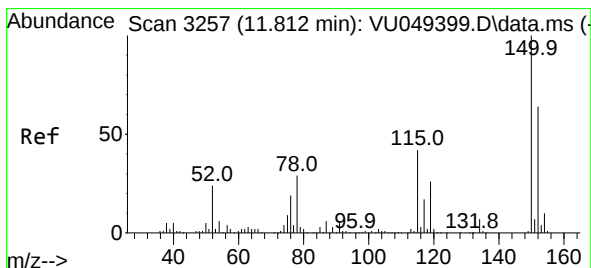
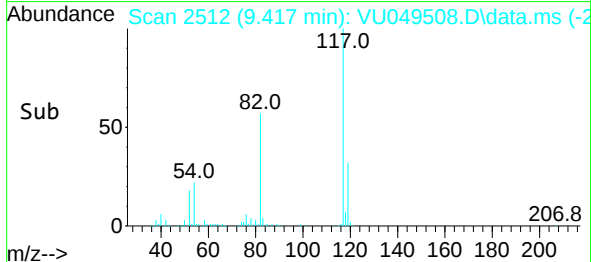
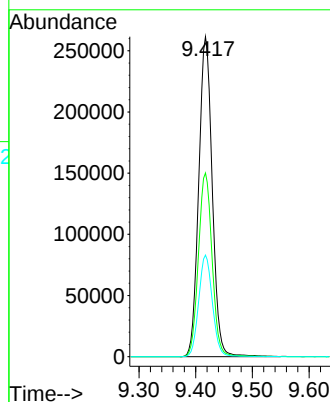
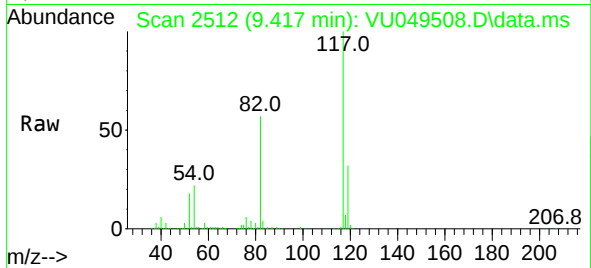




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

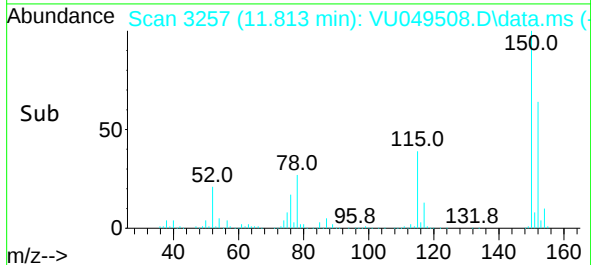
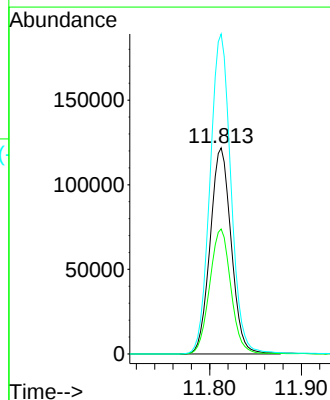
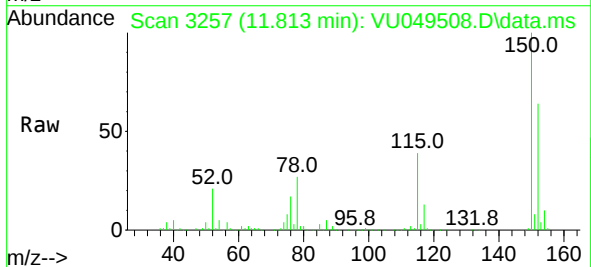
Instrument :
MSVOA_U
ClientSampleId :
TB062322

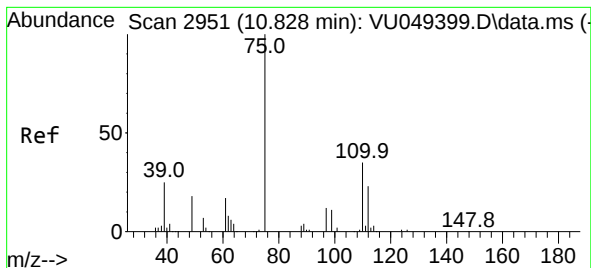
Tgt Ion:117 Resp: 432747
Ion Ratio Lower Upper
117 100
82 57.4 41.7 62.5
119 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.813 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

Tgt Ion:152 Resp: 194272
Ion Ratio Lower Upper
152 100
115 61.2 37.0 110.9
150 154.5 0.0 342.2





#76

1,2,3-Trichloropropane

Concen: 15.392 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.196 min

Lab File: VU049508.D

Acq: 29 Jun 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

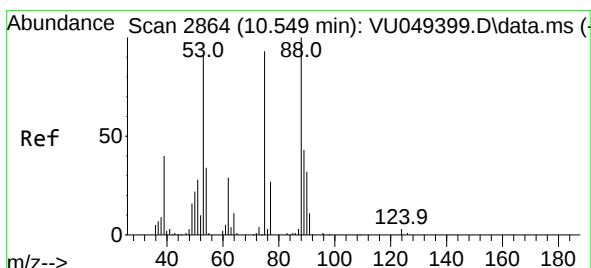
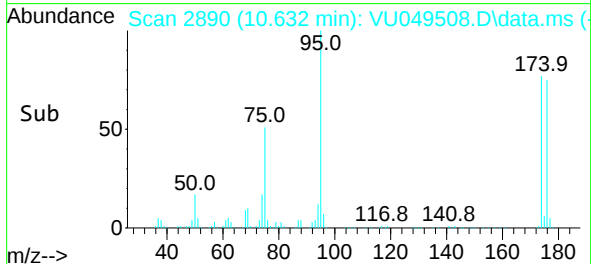
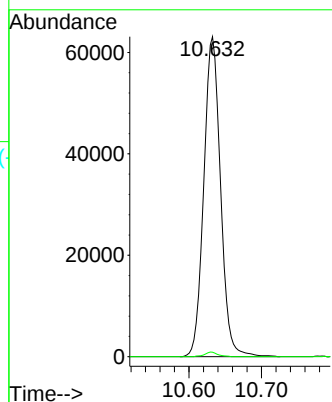
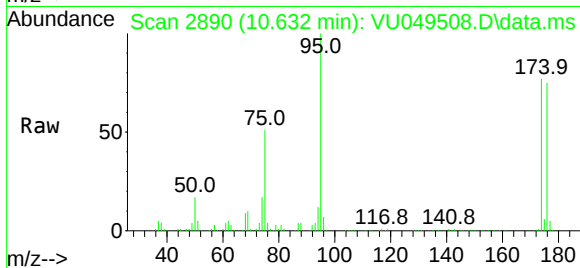
TB062322

Tgt Ion: 75 Resp: 101365

Ion Ratio Lower Upper

75 100

77 1.1 15.8 47.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.840 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.084 min

Lab File: VU049508.D

Acq: 29 Jun 2022 13:26

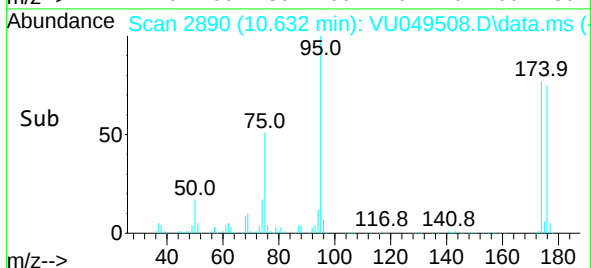
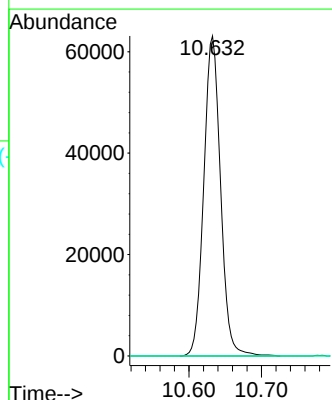
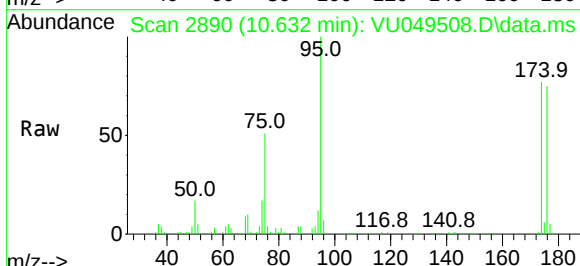
Tgt Ion: 75 Resp: 101365

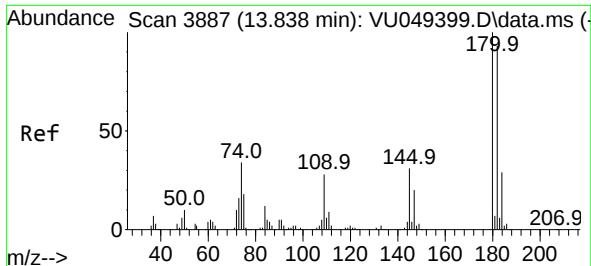
Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

89 0.0 37.0 55.6#

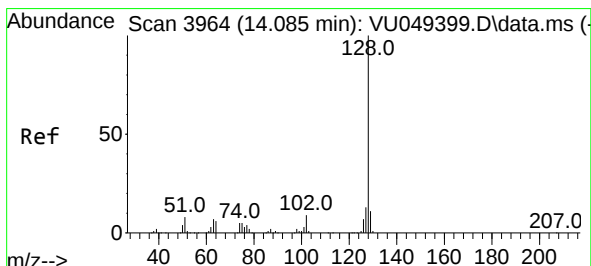
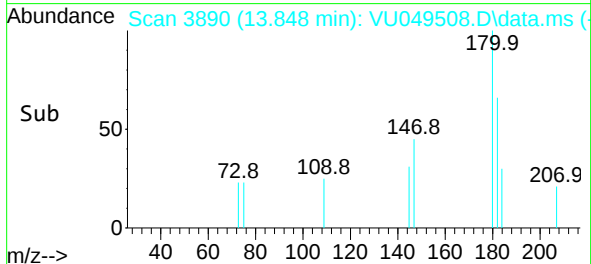
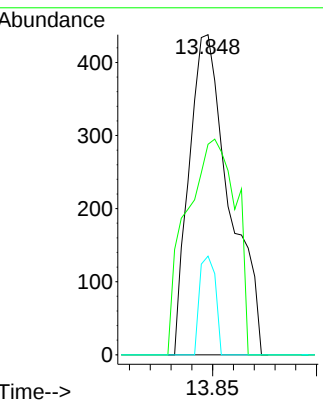
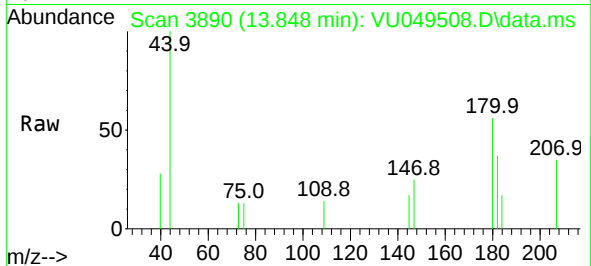




#93
1,2,4-Trichlorobenzene
Concen: 1.884 ug/l
RT: 13.848 min Scan# 3887
Delta R.T. 0.010 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

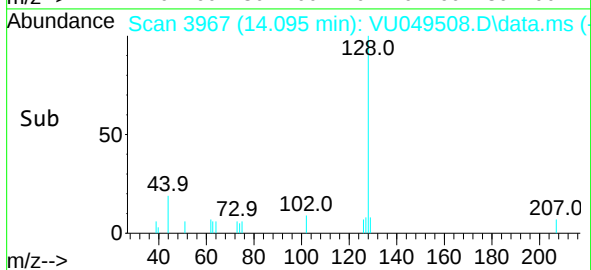
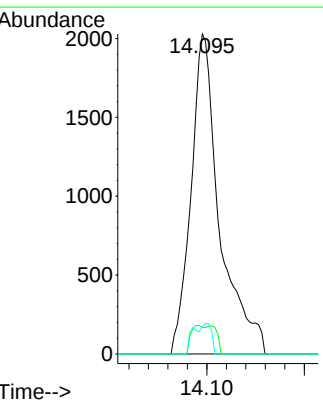
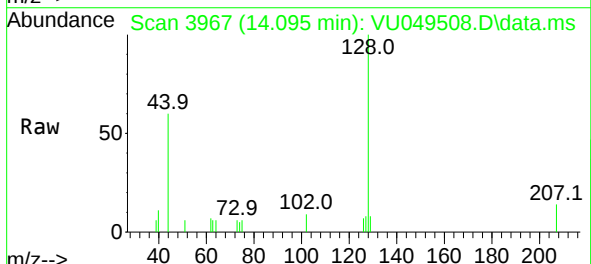
Instrument :
MSVOA_U
ClientSampleId :
TB062322

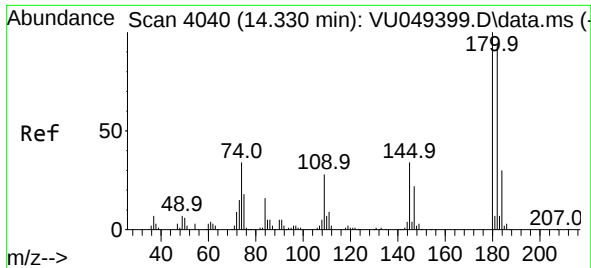
Tgt Ion:180 Resp: 588
Ion Ratio Lower Upper
180 100
182 83.0 47.9 143.6
145 12.1 14.0 41.9#



#95
Naphthalene
Concen: 1.998 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU049508.D
Acq: 29 Jun 2022 13:26

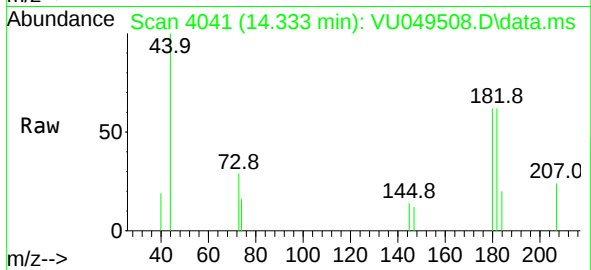
Tgt Ion:128 Resp: 4128
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.3 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.335 ug/l
 RT: 14.333 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VU049508.D
 Acq: 29 Jun 2022 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 TB062322



Tgt Ion:	180	Resp:	726
Ion	Ratio	Lower	Upper
180	100		
182	112.8	48.4	145.0
145	24.7	14.8	44.4

