

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049489.D
 Acq On : 29 Jun 2022 03:45
 Operator : SY/MD
 Sample : N3457-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW179D1-20220617

Quant Time: Jun 29 05:25:57 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)

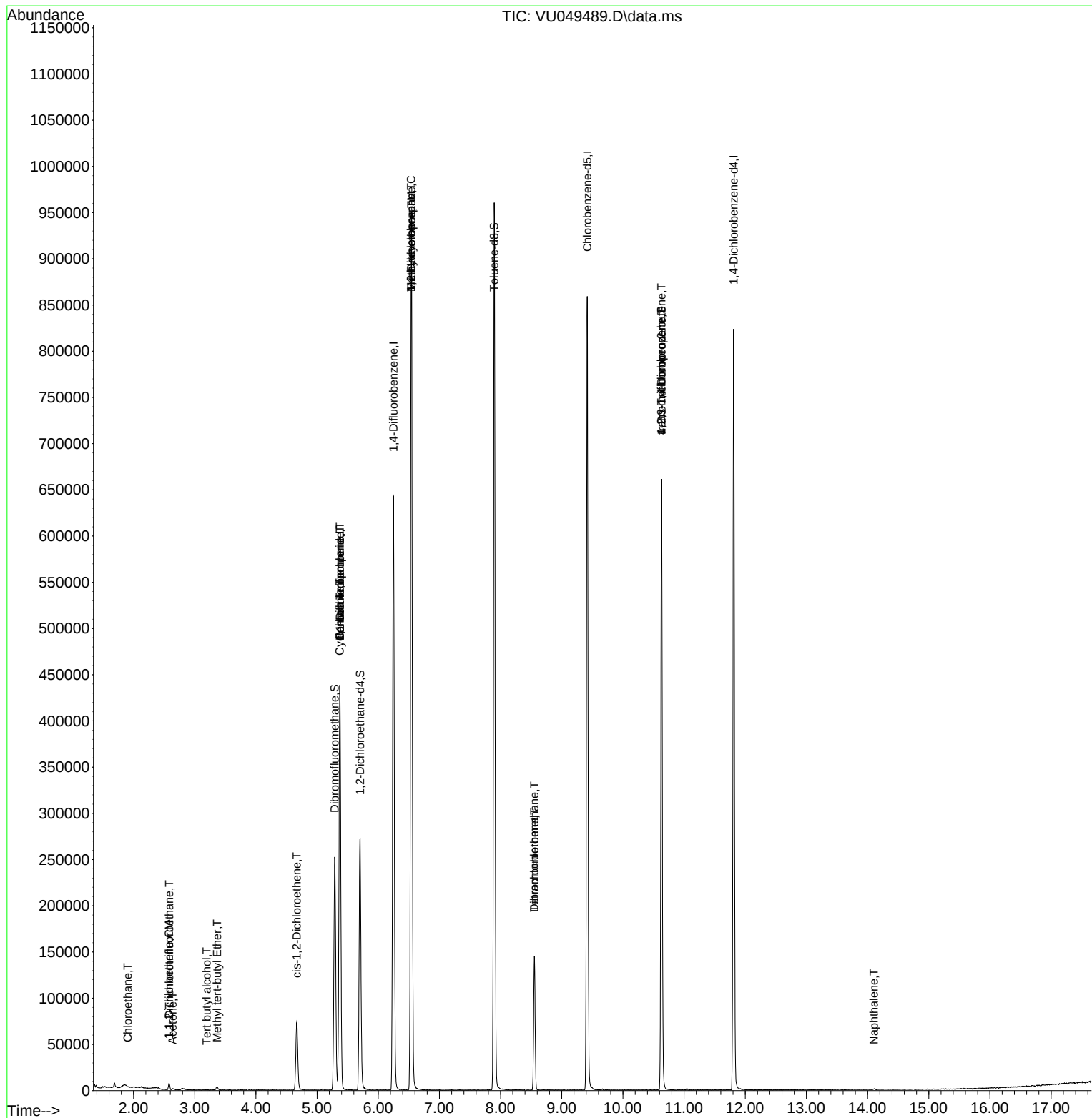
Internal Standards						
1) Pentafluorobenzene	5.372	168	302602	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	531722	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	478219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	218749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	204017	43.778	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.560%
35) Dibromofluoromethane	5.289	113	166187	44.673	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.340%
50) Toluene-d8	7.896	98	630961	47.553	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.100%
62) 4-Bromofluorobenzene	10.632	95	232655	45.774	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.540%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1400	Below Cal		99
6) Chloroethane	1.906	64	60	1.941	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.581	101	2008	0.598	ug/l	94
11) Tert butyl alcohol	3.195	59	344	0.315	ug/l #	37
12) 1,1-Dichloroethene	2.578	96	985	0.300	ug/l	91
16) Acetone	2.639	43	1714	0.729	ug/l #	85
19) Methyl tert-butyl Ether	3.366	73	3748	0.307	ug/l	98
20) Methylene Chloride	3.054	84	117	Below Cal	#	11
27) cis-1,2-Dichloroethene	4.668	96	40393	9.867	ug/l	96
31) Cyclohexane	5.369	56	6013	0.859	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	24032	4.455	ug/l #	48
38) Carbon Tetrachloride	5.372	117	29900	5.286	ug/l #	16
39) Methylcyclohexane	6.539	83	4245	0.657	ug/l #	1
44) Trichloroethene	6.543	130	321899	83.148	ug/l	86
45) 1,2-Dichloropropane	6.539	63	1069	0.237	ug/l #	1
60) Dibromochloromethane	8.552	129	30895	7.424	ug/l #	11
64) Tetrachloroethene	8.552	164	31671	10.325	ug/l	92
76) 1,2,3-Trichloropropane	10.632	75	115485	15.574	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	115485	57.512	ug/l #	15
95) Naphthalene	14.105	128	816	1.782	ug/l #	69

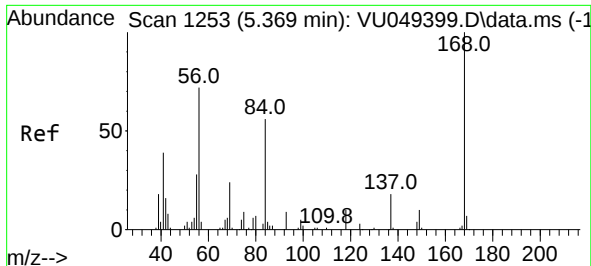
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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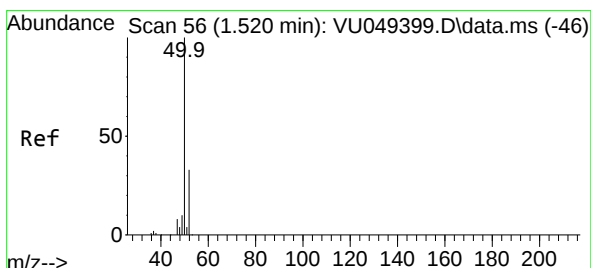
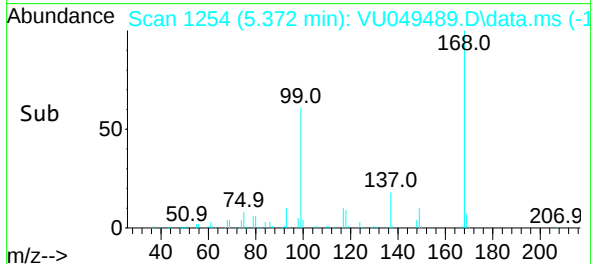
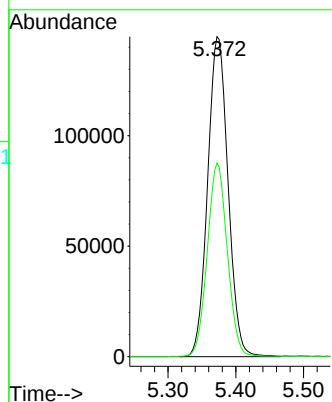
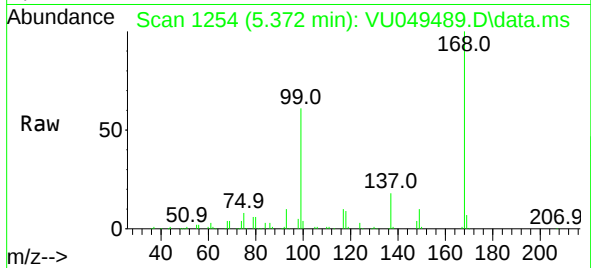




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

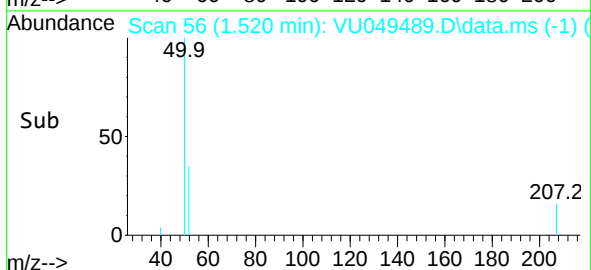
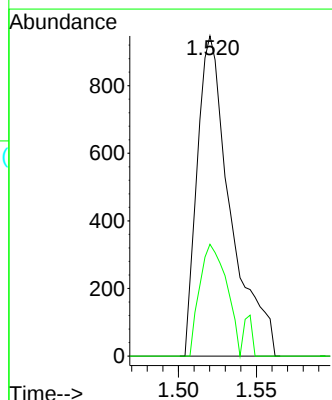
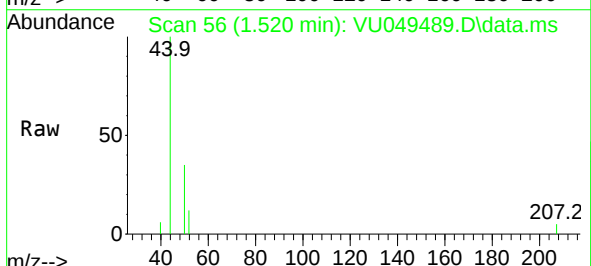
Instrument :
MSVOA_U
ClientSampleId :
MW179D1-20220617

Tgt Ion:168 Resp: 302602
Ion Ratio Lower Upper
168 100
99 60.4 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

Tgt Ion: 50 Resp: 1400
Ion Ratio Lower Upper
50 100
52 35.0 27.4 41.2

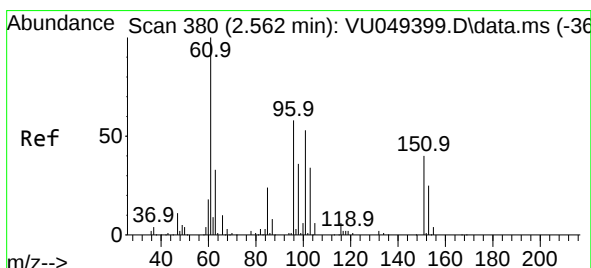
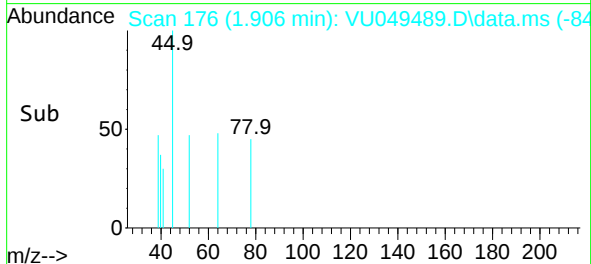
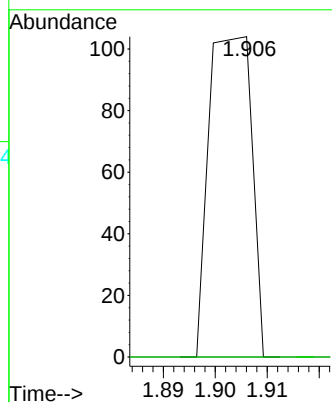
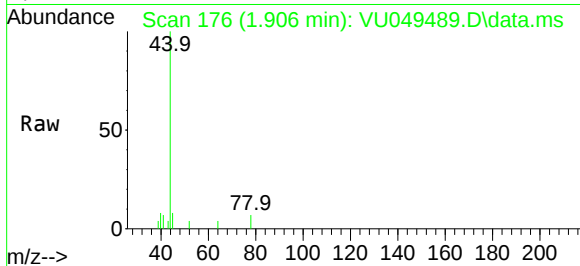




#6
Chloroethane
Concen: 1.941 ug/l
RT: 1.906 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

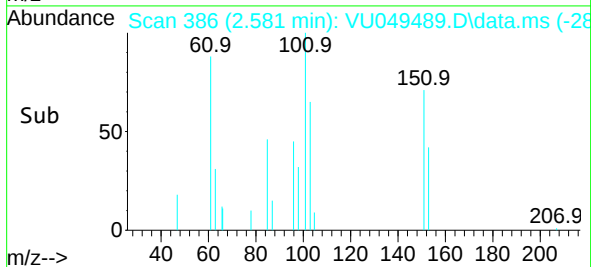
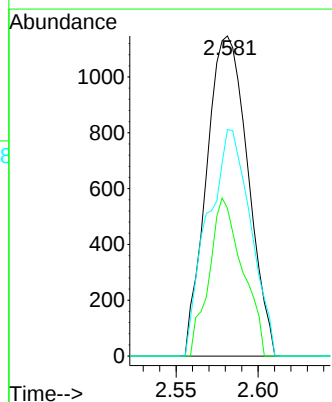
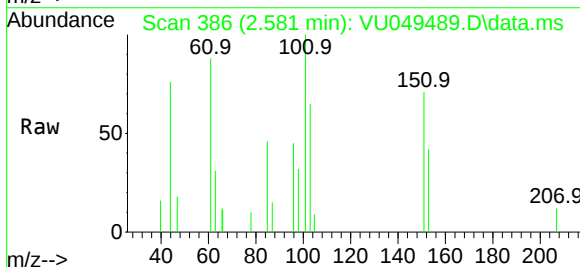
Instrument :
MSVOA_U
ClientSampleId :
MW179D1-20220617

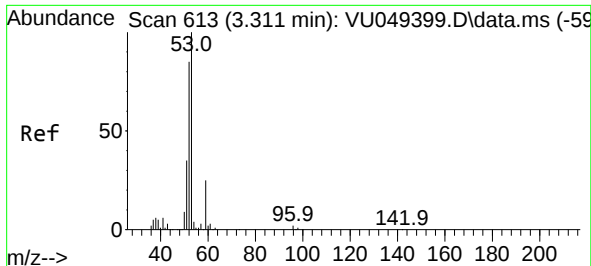
Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.598 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.019 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

Tgt Ion:101 Resp: 2008
Ion Ratio Lower Upper
101 100
85 39.9 33.9 50.9
151 73.4 64.0 96.0





#11

Tert butyl alcohol

Concen: 0.315 ug/l

RT: 3.195 min Scan# 51

Delta R.T. -0.116 min

Lab File: VU049489.D

Acq: 29 Jun 2022 03:45

Instrument :

MSVOA_U

ClientSampleId :

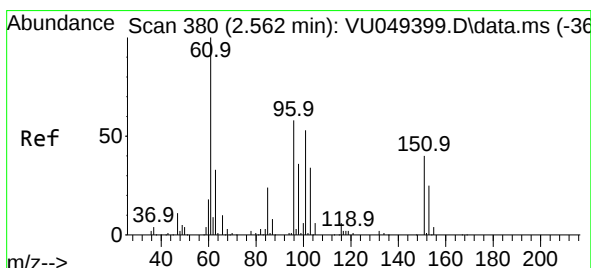
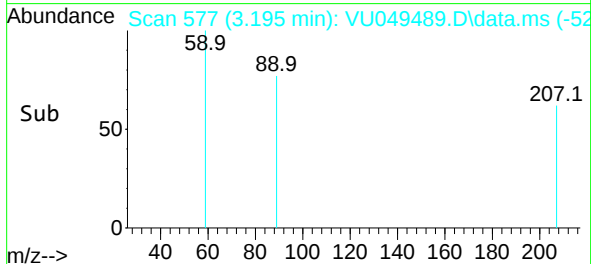
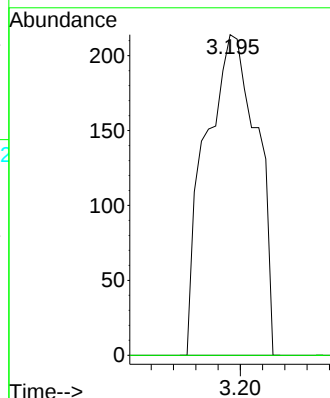
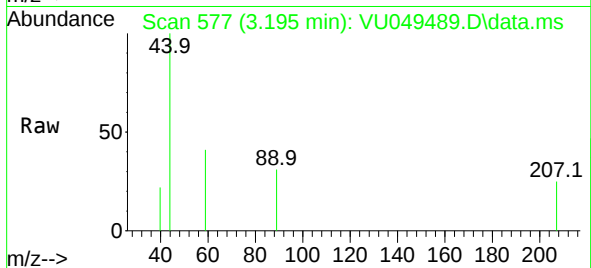
MW179D1-20220617

Tgt Ion: 59 Resp: 344

Ion Ratio Lower Upper

59 100

57 0.0 30.6 45.8#



#12

1,1-Dichloroethene

Concen: 0.300 ug/l

RT: 2.578 min Scan# 385

Delta R.T. 0.016 min

Lab File: VU049489.D

Acq: 29 Jun 2022 03:45

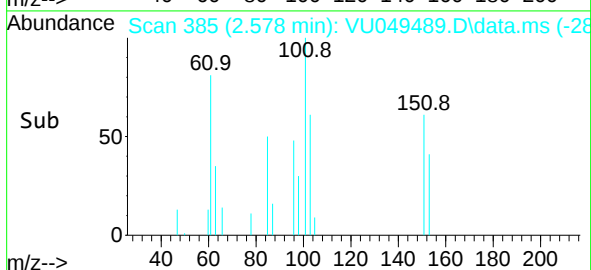
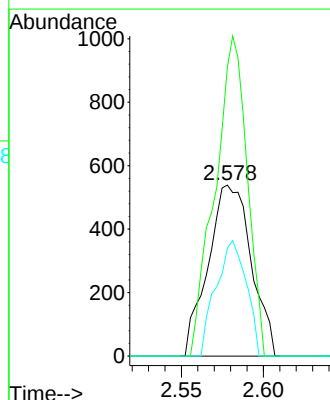
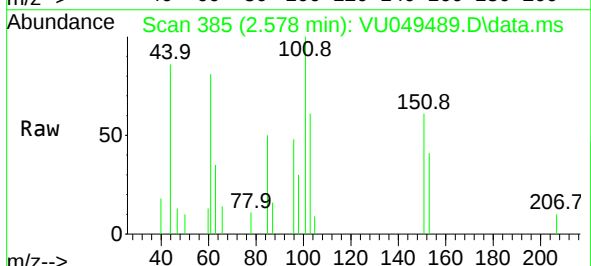
Tgt Ion: 96 Resp: 985

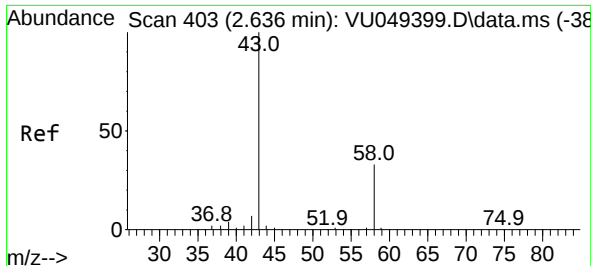
Ion Ratio Lower Upper

96 100

61 169.0 122.2 183.2

98 63.1 50.7 76.1





#16

Acetone

Concen: 0.729 ug/l

RT: 2.639 min Scan# 403

Delta R.T. 0.003 min

Lab File: VU049489.D

Acq: 29 Jun 2022 03:45

Instrument :

MSVOA_U

ClientSampleId :

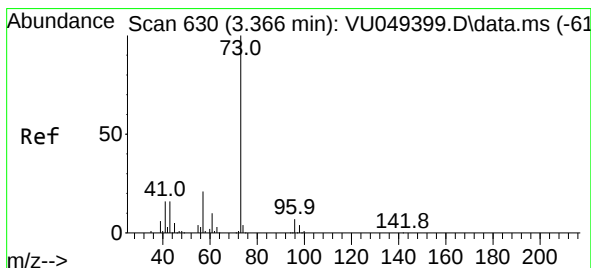
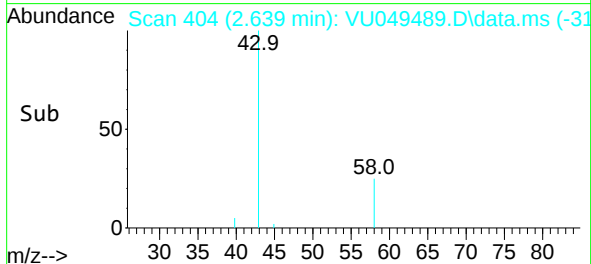
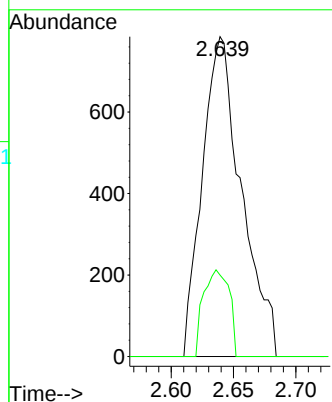
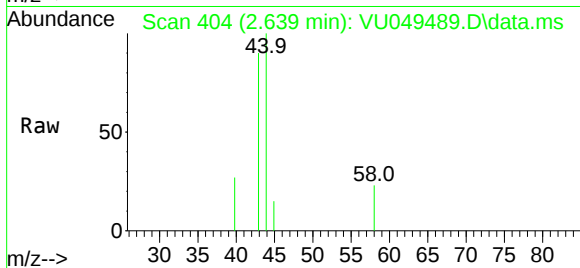
MW179D1-20220617

Tgt Ion: 43 Resp: 1714

Ion Ratio Lower Upper

43 100

58 25.5 27.5 41.3#



#19

Methyl tert-butyl Ether

Concen: 0.307 ug/l

RT: 3.366 min Scan# 630

Delta R.T. 0.000 min

Lab File: VU049489.D

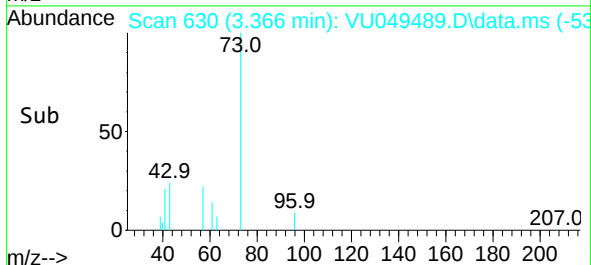
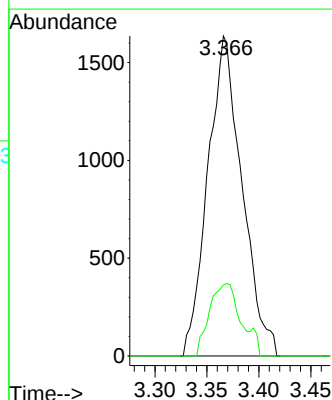
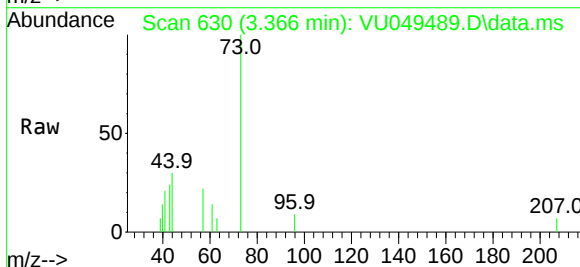
Acq: 29 Jun 2022 03:45

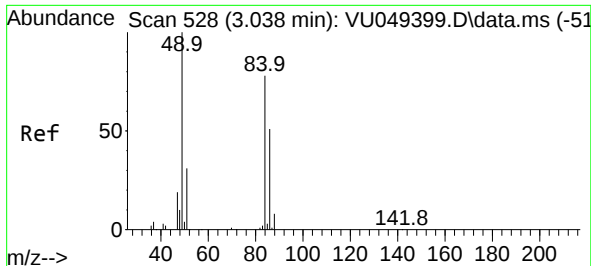
Tgt Ion: 73 Resp: 3748

Ion Ratio Lower Upper

73 100

57 22.2 17.1 25.7

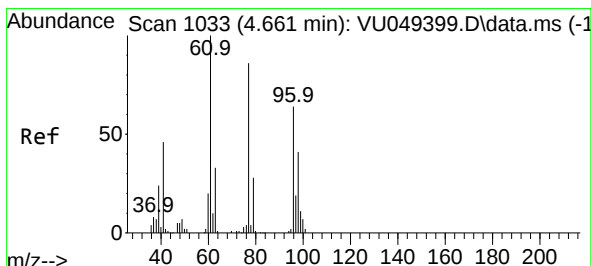
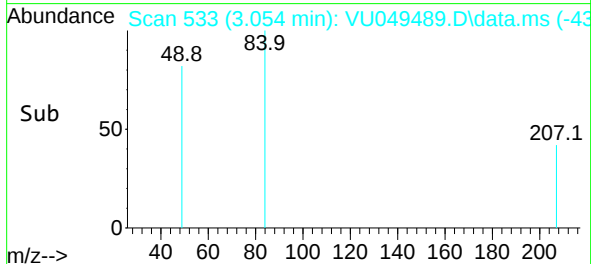
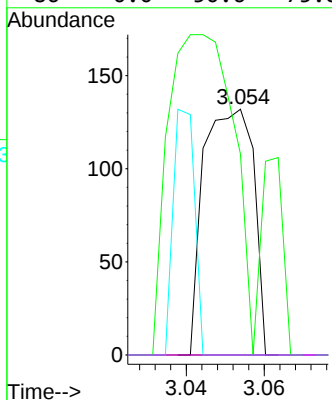
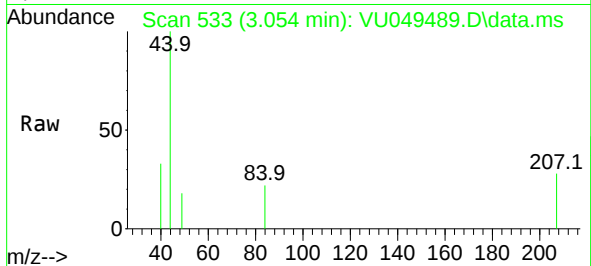




#20
Methylene Chloride
Concen: Below Cal
RT: 3.054 min Scan# 51
Delta R.T. 0.016 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

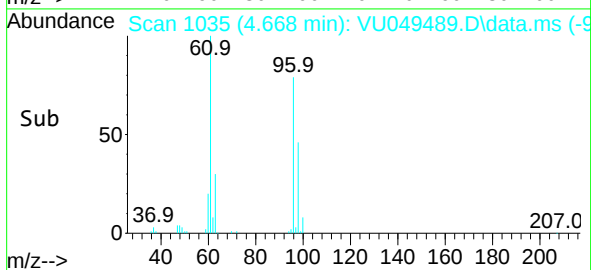
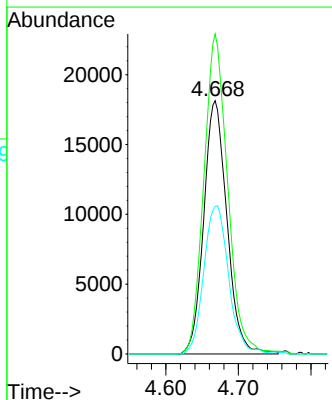
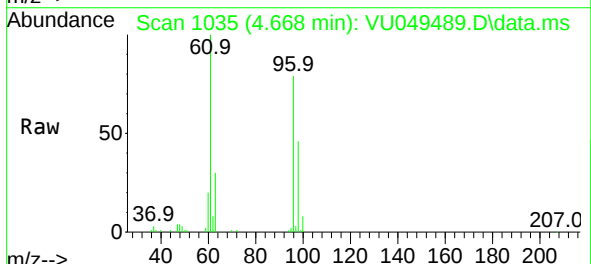
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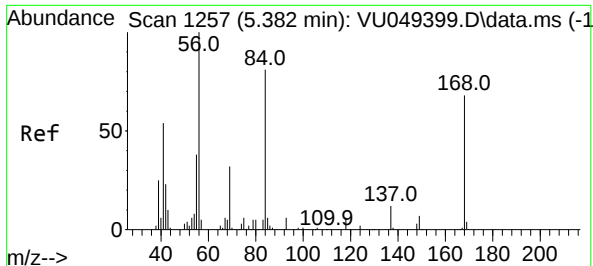
Tgt Ion:	84	Resp:	117
Ion	Ratio	Lower	Upper
84	100		
49	1.5	86.6	129.8#
51	0.0	26.6	40.0#
86	0.0	50.6	75.8#



#27
cis-1,2-Dichloroethene
Concen: 9.867 ug/l
RT: 4.668 min Scan# 1035
Delta R.T. 0.007 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

Tgt Ion:	96	Resp:	40393
Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	271.6
98	62.5	0.0	128.2

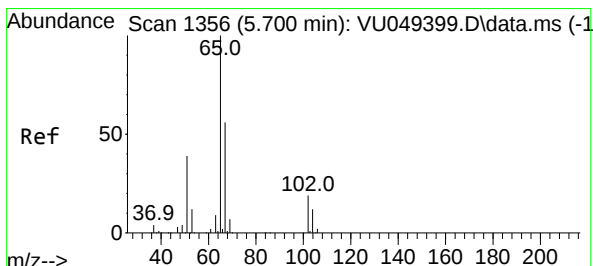
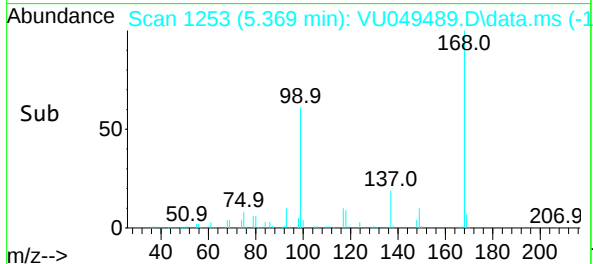
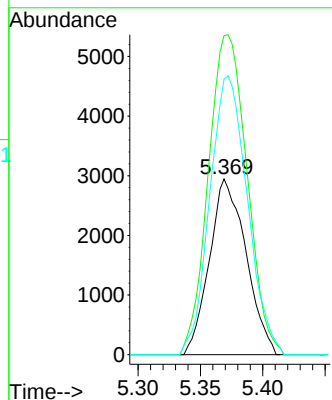
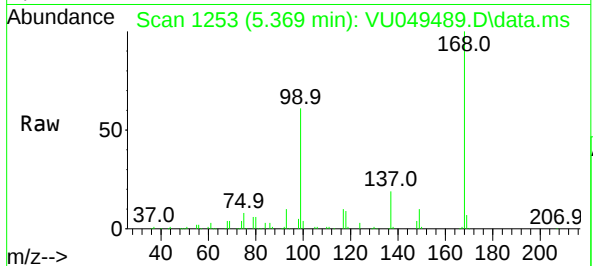




#31
Cyclohexane
Concen: 0.859 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

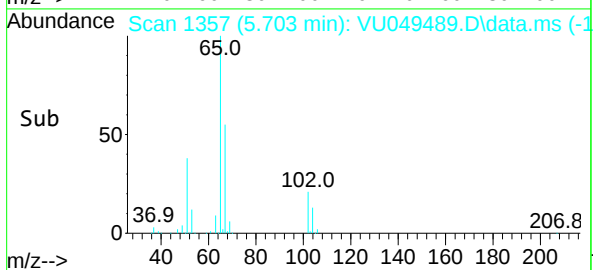
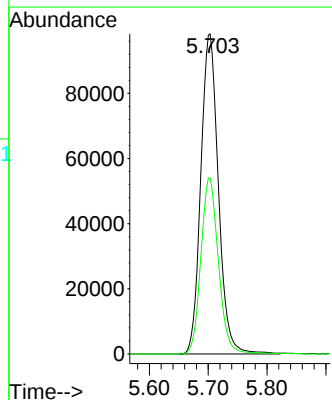
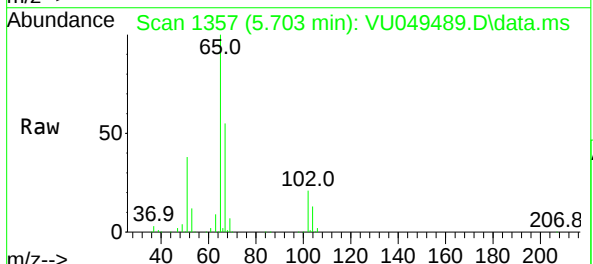
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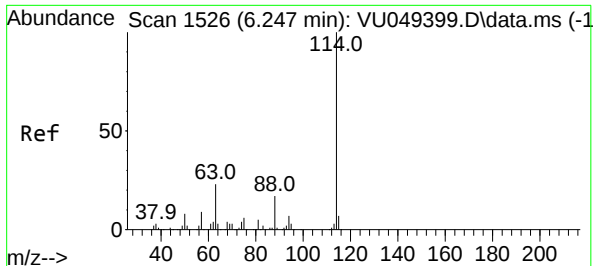
Tgt Ion: 56 Resp: 6013
Ion Ratio Lower Upper
56 100
69 181.6 27.8 41.8#
84 156.8 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 43.778 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

Tgt Ion: 65 Resp: 204017
Ion Ratio Lower Upper
65 100
67 54.5 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049489.D

Acq: 29 Jun 2022 03:45

Instrument :

MSVOA_U

ClientSampleId :

MW179D1-20220617

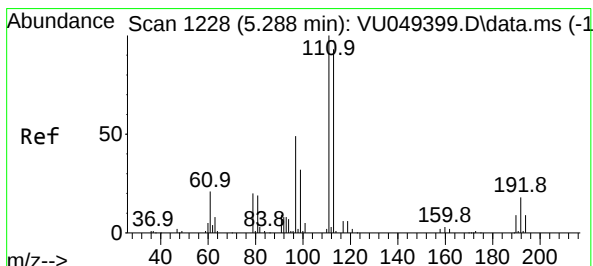
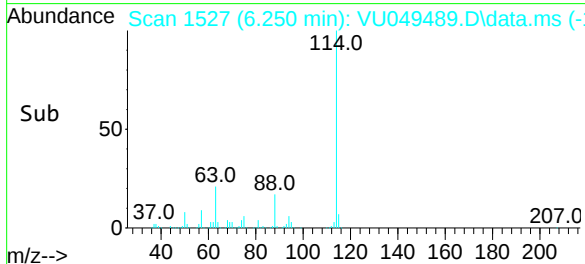
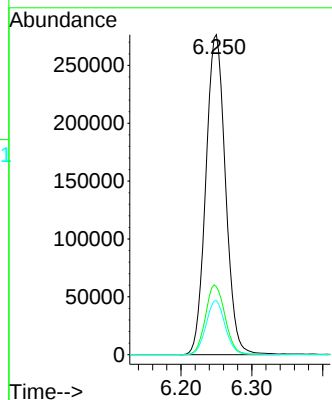
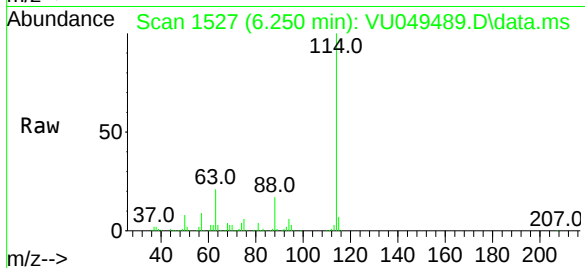
Tgt Ion:114 Resp: 531722

Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.8

88 16.9 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.673 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049489.D

Acq: 29 Jun 2022 03:45

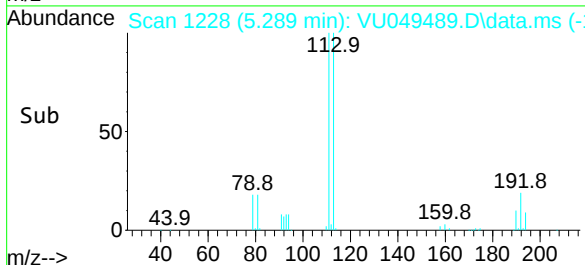
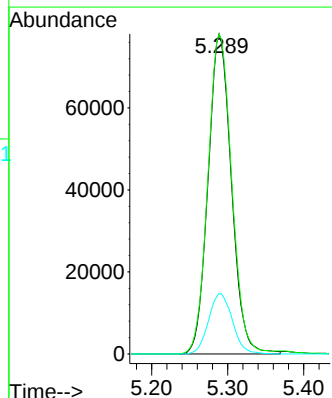
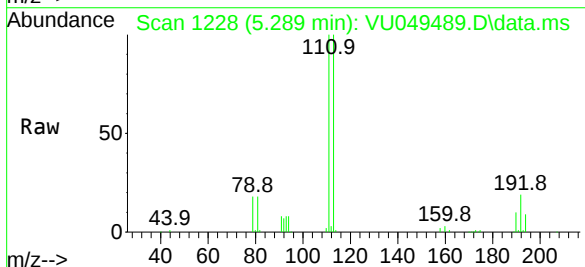
Tgt Ion:113 Resp: 166187

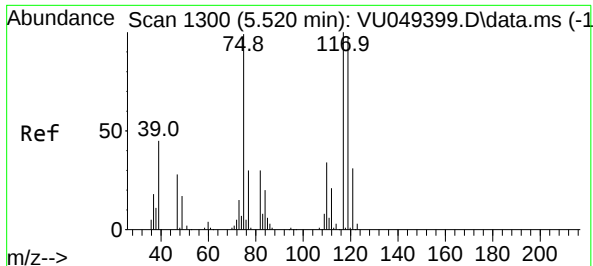
Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 19.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.455 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049489.D

Acq: 29 Jun 2022 03:45

Instrument :

MSVOA_U

ClientSampleId :

MW179D1-20220617

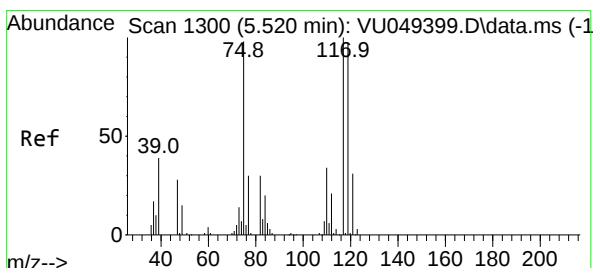
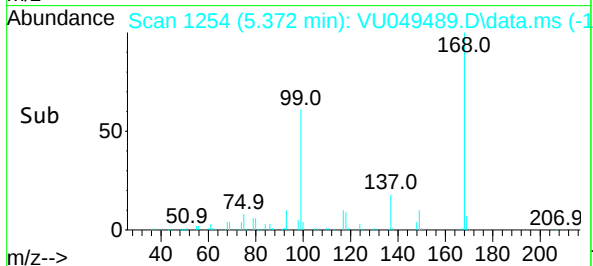
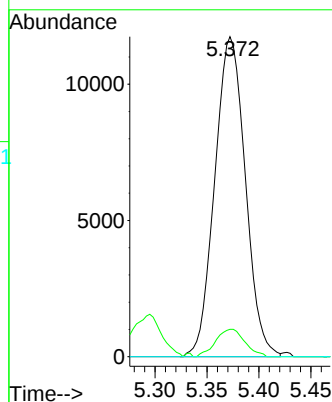
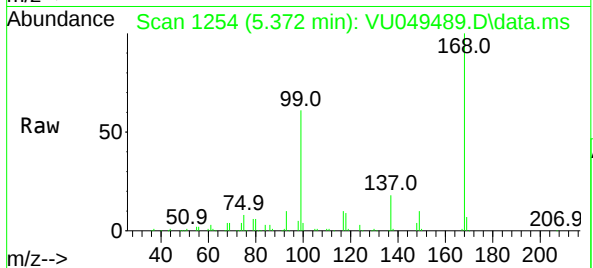
Tgt Ion: 75 Resp: 24032

Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.286 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049489.D

Acq: 29 Jun 2022 03:45

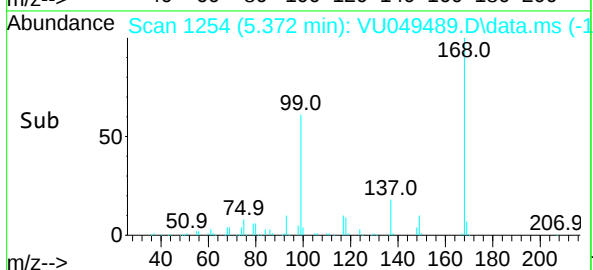
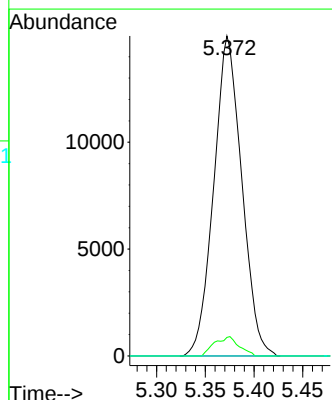
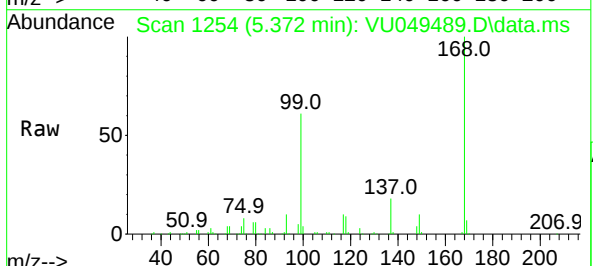
Tgt Ion: 117 Resp: 29900

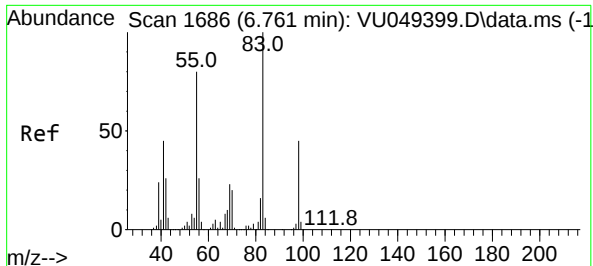
Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.657 ug/l

RT: 6.539 min Scan# 1

Delta R.T. -0.222 min

Lab File: VU049489.D

Acq: 29 Jun 2022 03:45

Instrument :

MSVOA_U

ClientSampleId :

MW179D1-20220617

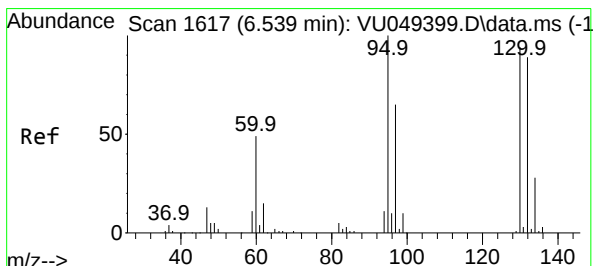
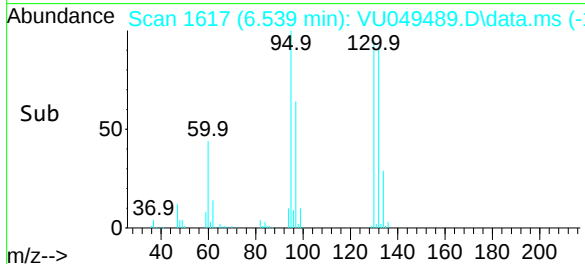
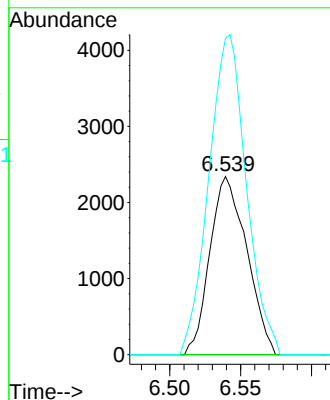
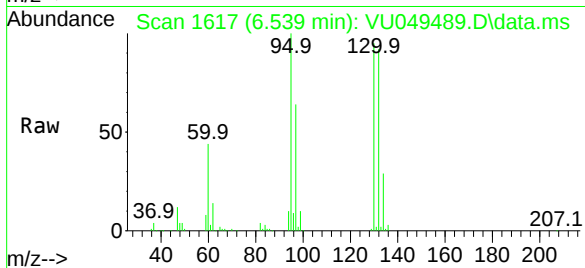
Tgt Ion: 83 Resp: 4245

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 177.5 37.3 55.9#



#44

Trichloroethene

Concen: 83.148 ug/l

RT: 6.543 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049489.D

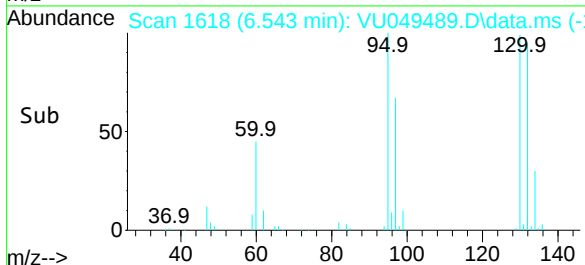
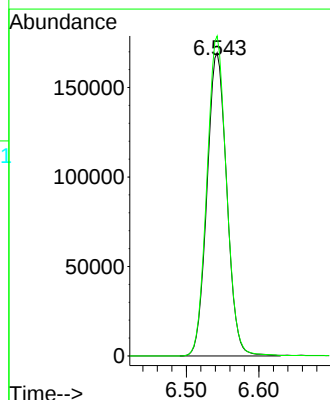
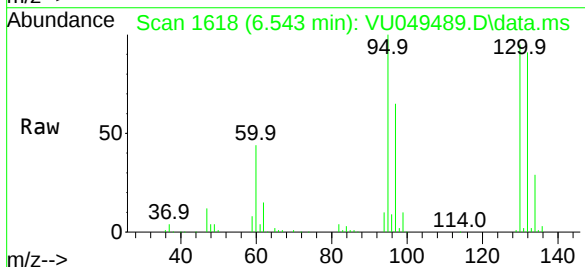
Acq: 29 Jun 2022 03:45

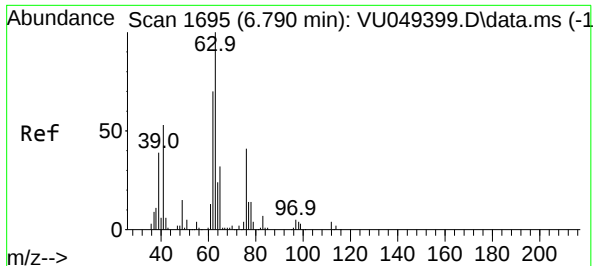
Tgt Ion:130 Resp: 321899

Ion Ratio Lower Upper

130 100

95 105.5 0.0 184.6





#45

1,2-Dichloropropane

Concen: 0.237 ug/l

RT: 6.539 min Scan# 1

Delta R.T. -0.251 min

Lab File: VU049489.D

Acq: 29 Jun 2022 03:45

Instrument :

MSVOA_U

ClientSampleId :

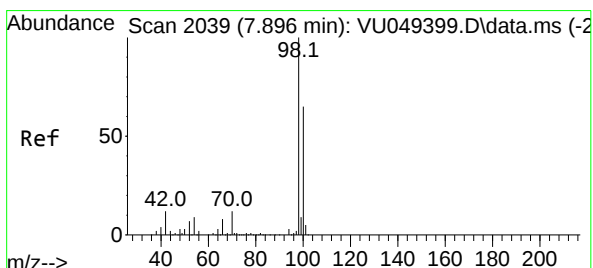
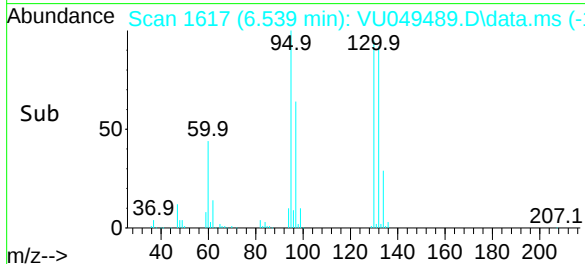
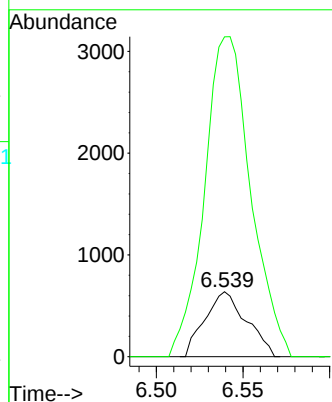
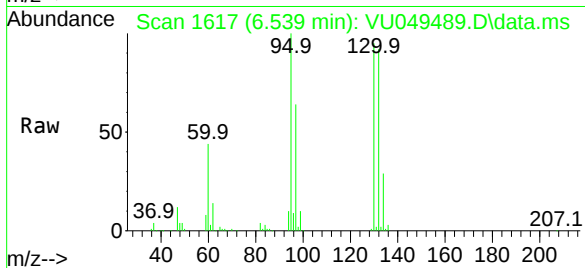
MW179D1-20220617

Tgt Ion: 63 Resp: 1069

Ion Ratio Lower Upper

63 100

65 451.5 25.0 37.4#



#50

Toluene-d8

Concen: 47.553 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049489.D

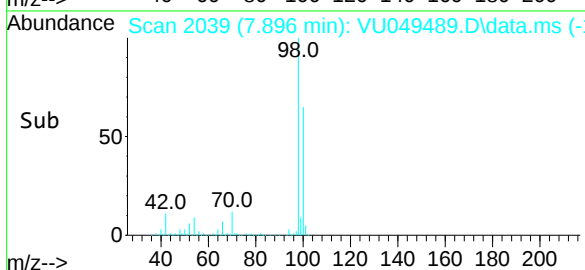
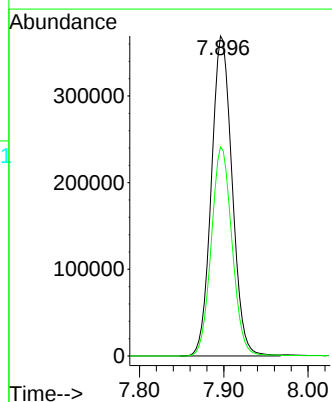
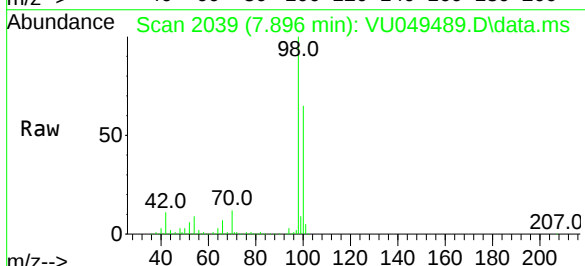
Acq: 29 Jun 2022 03:45

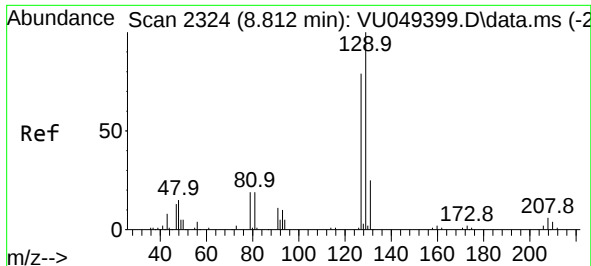
Tgt Ion: 98 Resp: 630961

Ion Ratio Lower Upper

98 100

100 65.5 51.7 77.5

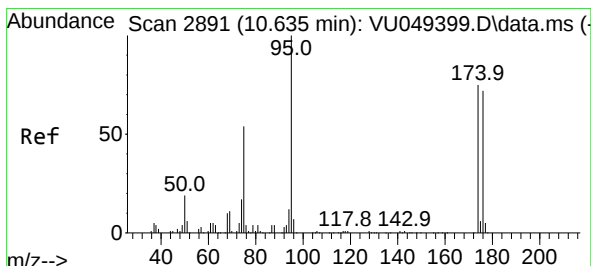
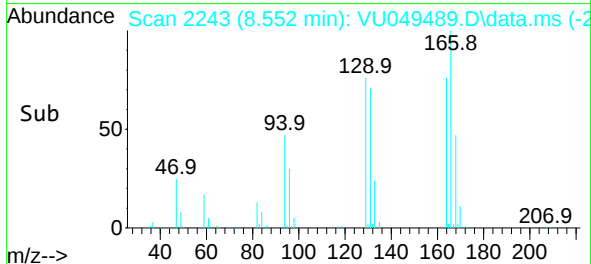
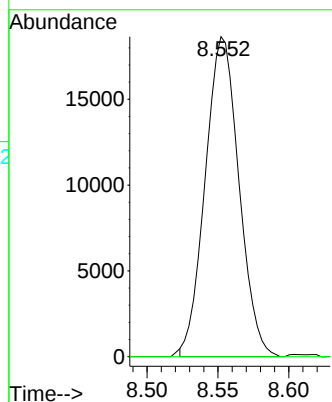
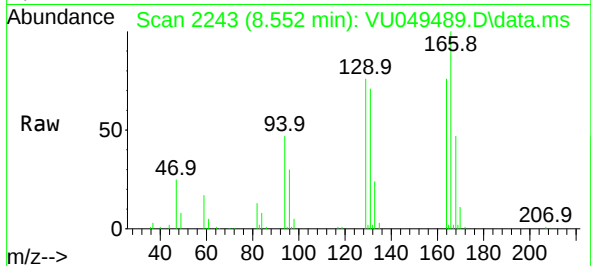




#60
Dibromochloromethane
Concen: 7.424 ug/l
RT: 8.552 min Scan# 21
Delta R.T. -0.260 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

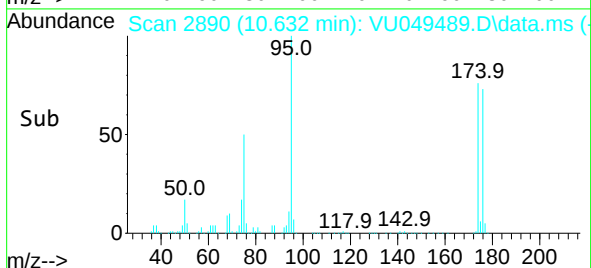
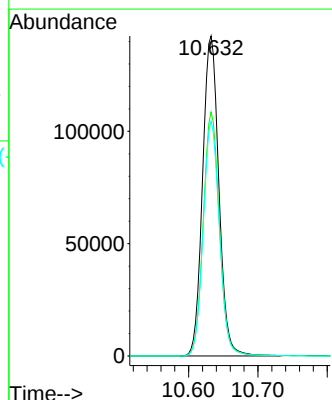
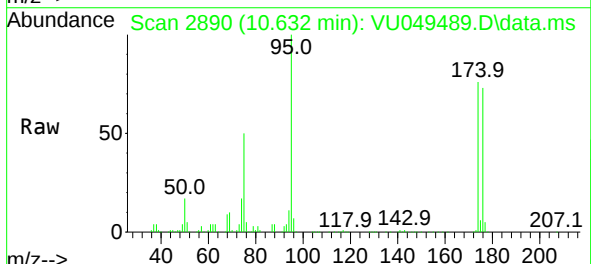
Instrument :
MSVOA_U
ClientSampleId :
MW179D1-20220617

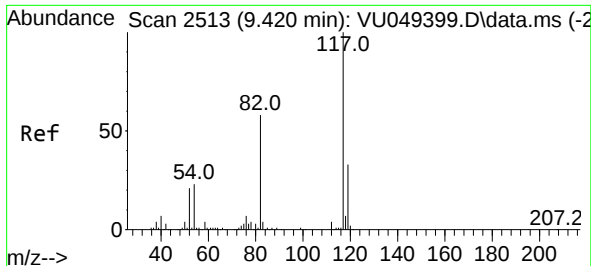
Tgt Ion:129 Resp: 30895
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 45.774 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

Tgt Ion: 95 Resp: 232655
Ion Ratio Lower Upper
95 100
174 75.6 0.0 182.0
176 72.9 0.0 177.8

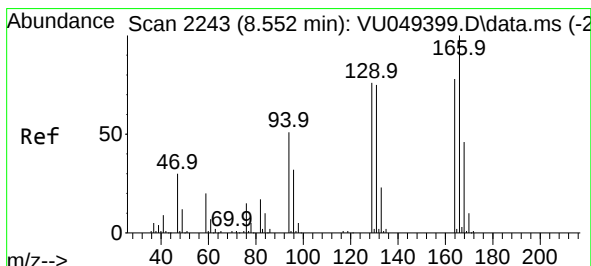
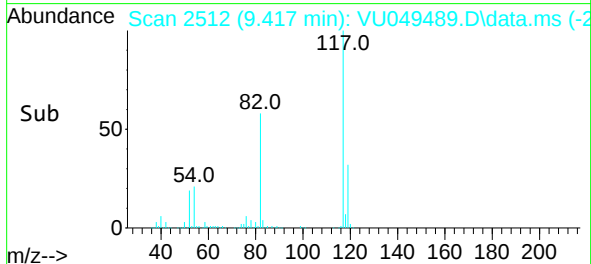
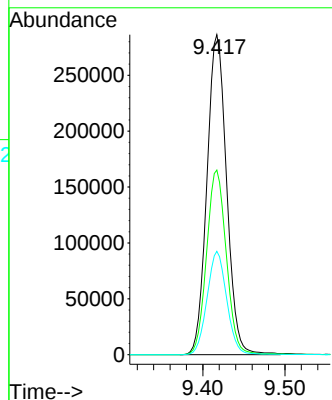
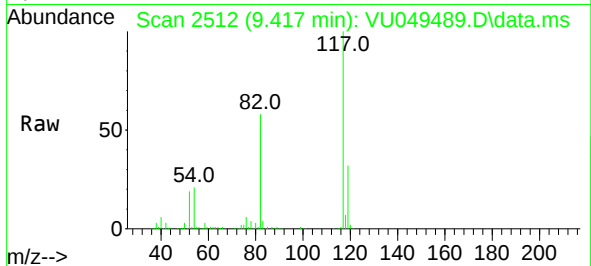




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

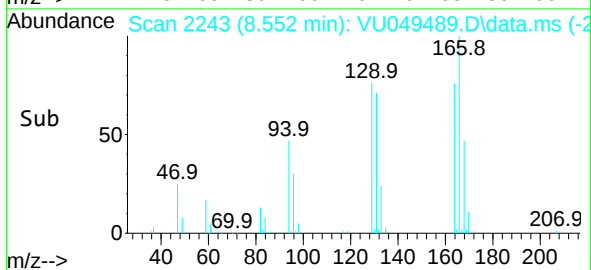
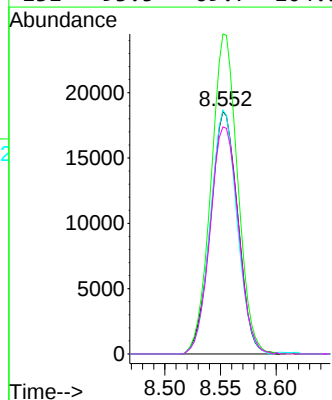
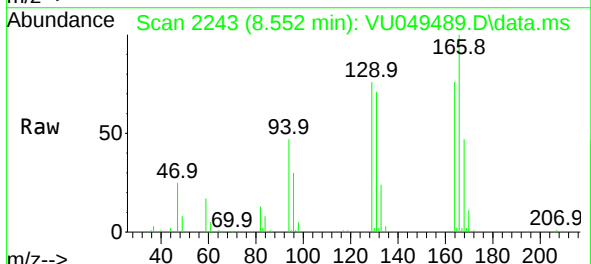
Instrument :
MSVOA_U
ClientSampleId :
MW179D1-20220617

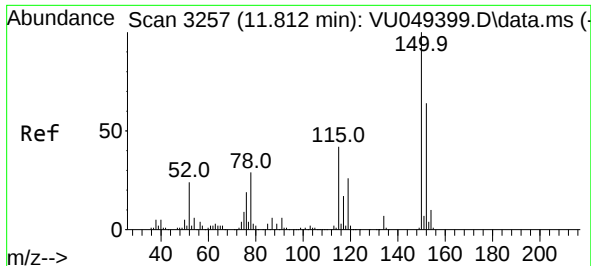
Tgt Ion:117 Resp: 478219
Ion Ratio Lower Upper
117 100
82 57.7 41.7 62.5
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 10.325 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

Tgt Ion:164 Resp: 31671
Ion Ratio Lower Upper
164 100
166 131.9 100.0 150.0
129 100.4 72.0 108.0
131 93.5 69.7 104.5

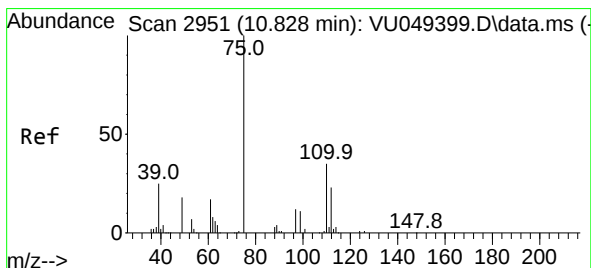
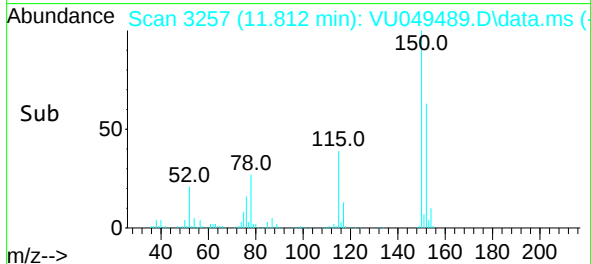
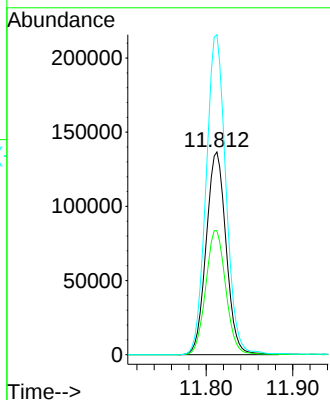
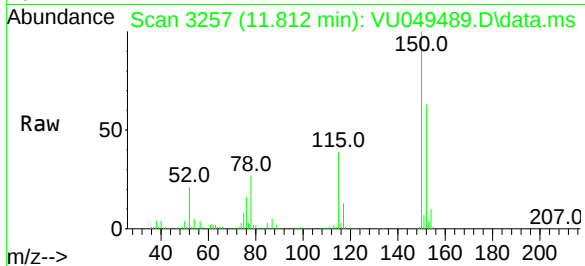




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049489.D
 Acq: 29 Jun 2022 03:45

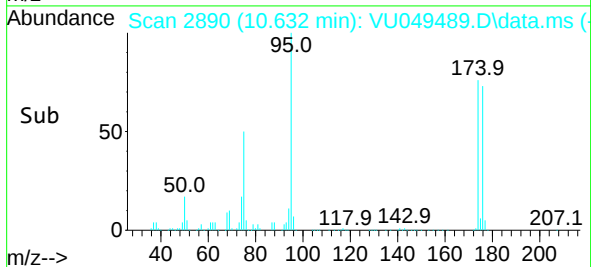
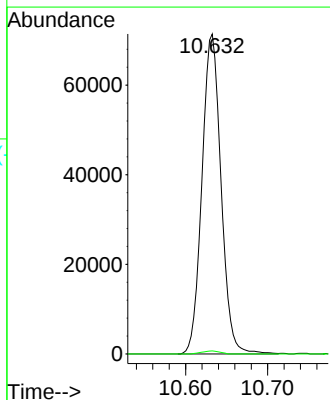
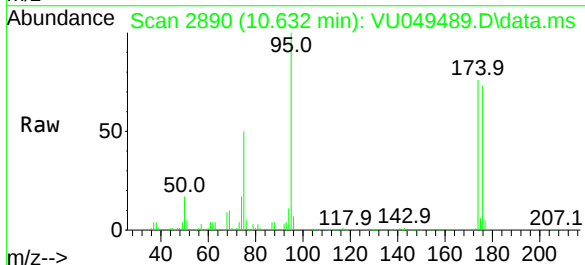
Instrument :
 MSVOA_U
 ClientSampleId :
 MW179D1-20220617

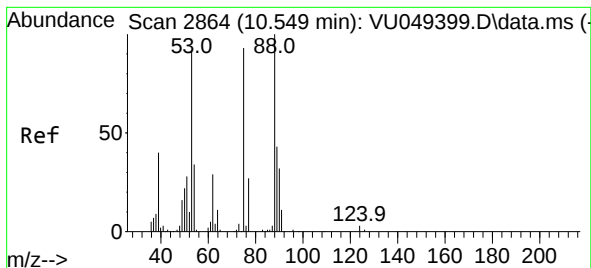
Tgt Ion:152 Resp: 218749
 Ion Ratio Lower Upper
 152 100
 115 61.6 37.0 110.9
 150 157.0 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.574 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049489.D
 Acq: 29 Jun 2022 03:45

Tgt Ion: 75 Resp: 115485
 Ion Ratio Lower Upper
 75 100
 77 0.9 15.8 47.3#

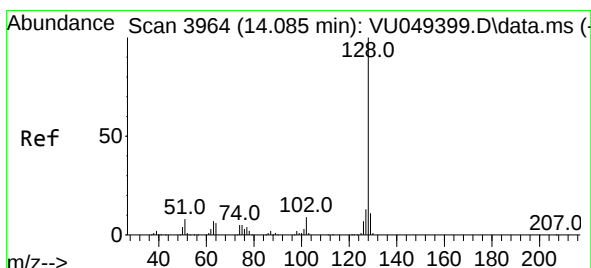
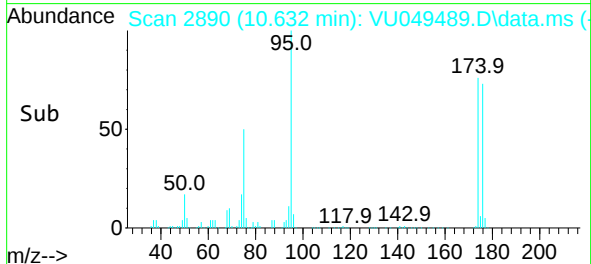
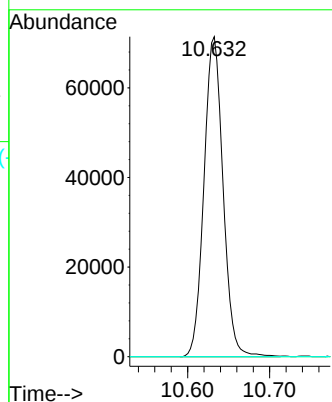
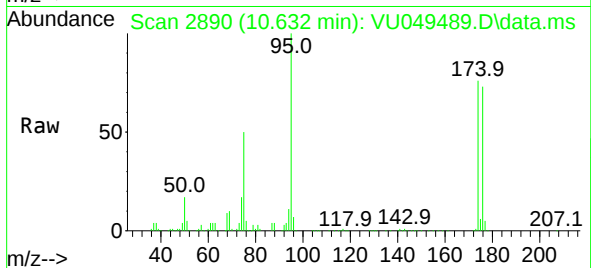




#81
trans-1,4-Dichloro-2-butene
Concen: 57.512 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

Instrument :
MSVOA_U
ClientSampleId :
MW179D1-20220617

Tgt Ion: 75 Resp: 115485
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.782 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.019 min
Lab File: VU049489.D
Acq: 29 Jun 2022 03:45

Tgt Ion: 128 Resp: 816
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

