

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049486.D
 Acq On : 29 Jun 2022 02:34
 Operator : SY/MD
 Sample : N3457-10 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE132D7-20220620

Quant Time: Jun 29 05:25:29 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)

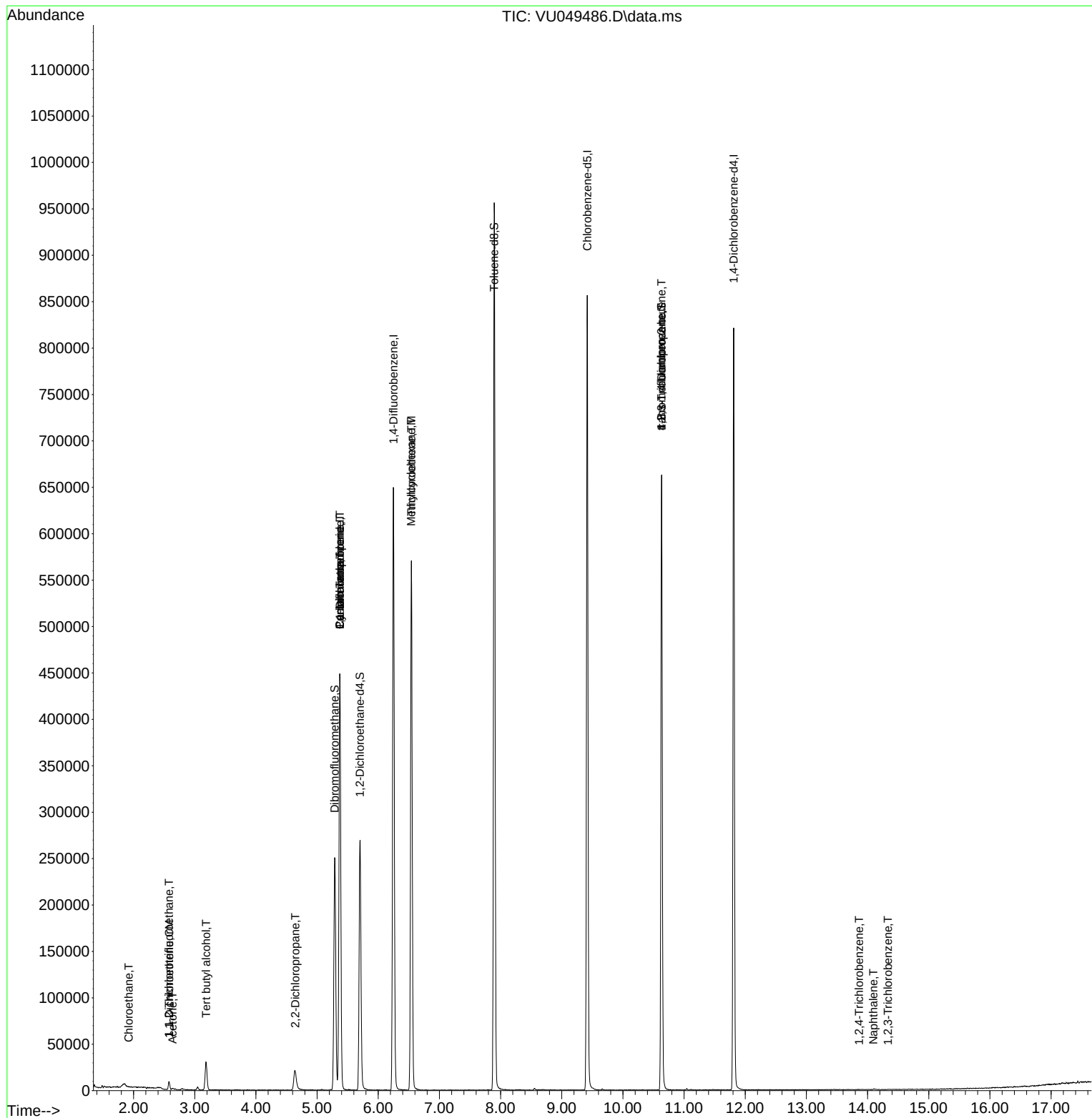
Internal Standards						
1) Pentafluorobenzene	5.372	168	309923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	536051	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	477587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	220916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	205428	43.039	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.080%
35) Dibromofluoromethane	5.288	113	165141	44.034	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.060%
50) Toluene-d8	7.896	98	639392	47.800	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.600%
62) 4-Bromofluorobenzene	10.632	95	229526	44.793	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.580%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1661	Below Cal		98
6) Chloroethane	1.919	64	62	1.941 ug/l	#	44
9) 1,1,2-Trichlorotrifluo...	2.578	101	2836	0.825 ug/l		91
11) Tert butyl alcohol	3.186	59	17881	16.006 ug/l	#	38
12) 1,1-Dichloroethene	2.584	96	718	0.213 ug/l		86
16) Acetone	2.639	43	2012	0.836 ug/l		97
20) Methylene Chloride	3.044	84	1323	Below Cal		90
26) 2,2-Dichloropropane	4.645	77	1575	0.254 ug/l	#	52
31) Cyclohexane	5.372	56	6407	0.894 ug/l	#	1
36) 1,1-Dichloropropene	5.372	75	24932	4.585 ug/l	#	47
38) Carbon Tetrachloride	5.372	117	31594	5.540 ug/l	#	17
39) Methylcyclohexane	6.539	83	2372	0.364 ug/l	#	1
44) Trichloroethene	6.542	130	193563	49.595 ug/l		88
76) 1,2,3-Trichloropropane	10.632	75	114675	15.313 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.632	75	114675	56.548 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.860	180	156	1.784 ug/l	#	52
95) Naphthalene	14.095	128	936	1.788 ug/l	#	80
96) 1,2,3-Trichlorobenzene	14.333	180	47	1.186 ug/l	#	46

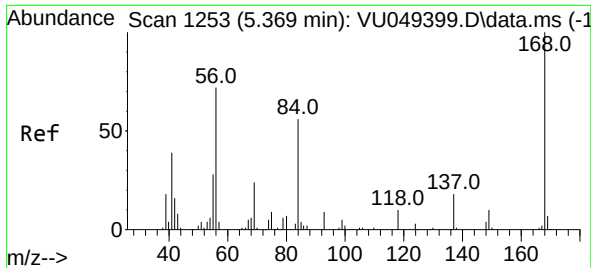
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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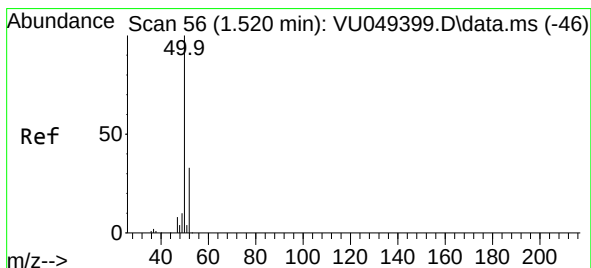
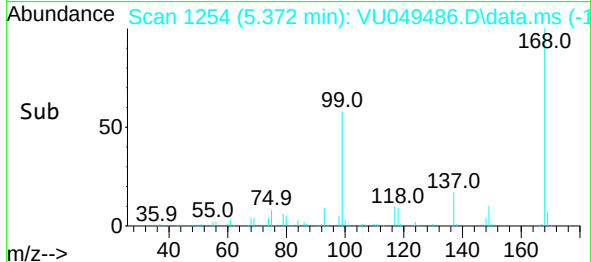
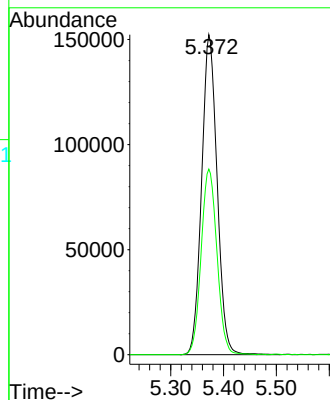
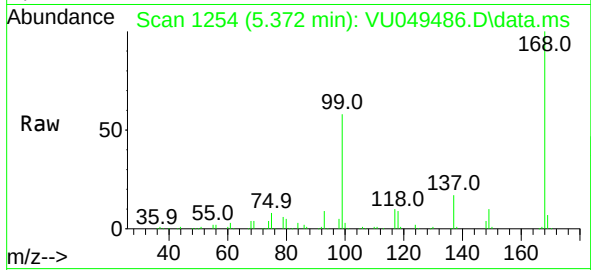




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049486.D
Acq: 29 Jun 2022 02:34

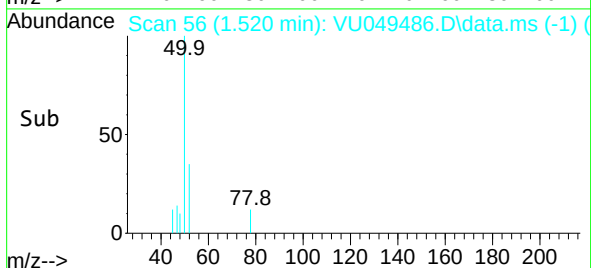
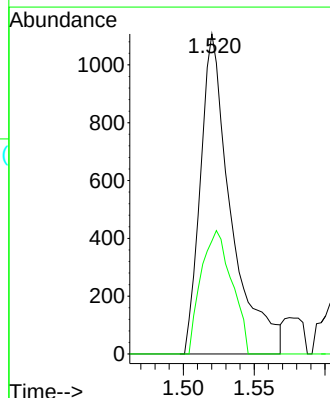
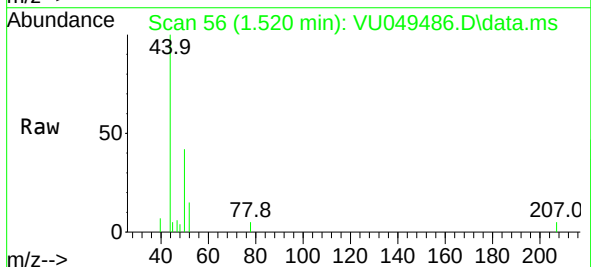
Instrument :
MSVOA_U
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RE132D7-20220620

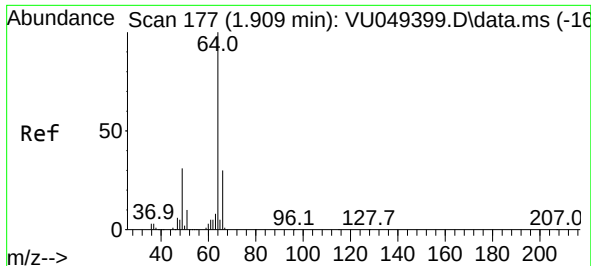
Tgt Ion:168 Resp: 309923
Ion Ratio Lower Upper
168 100
99 58.0 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049486.D
Acq: 29 Jun 2022 02:34

Tgt Ion: 50 Resp: 1661
Ion Ratio Lower Upper
50 100
52 35.3 27.4 41.2

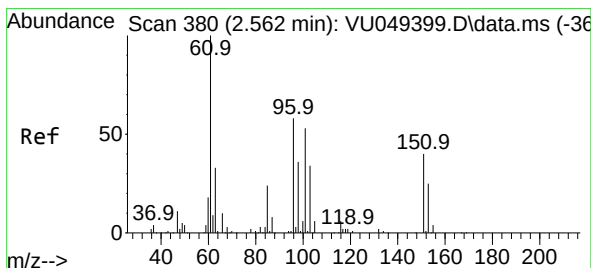
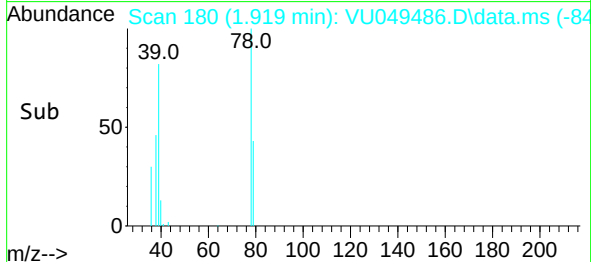
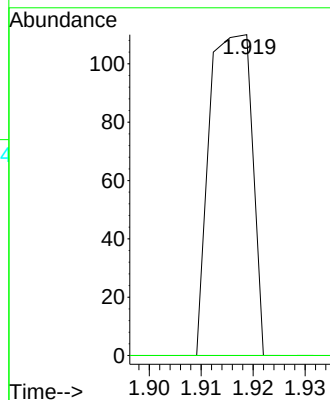
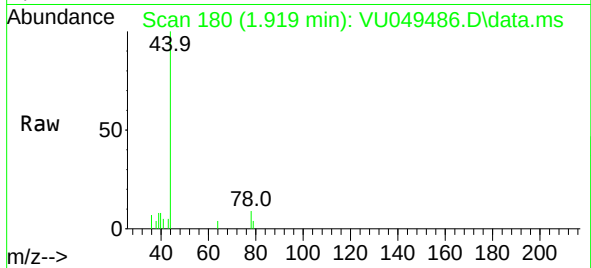




#6
Chloroethane
Concen: 1.941 ug/l
RT: 1.919 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU049486.D
Acq: 29 Jun 2022 02:34

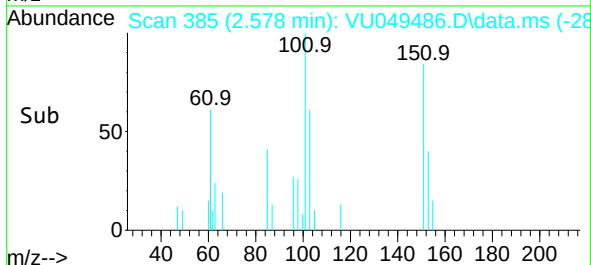
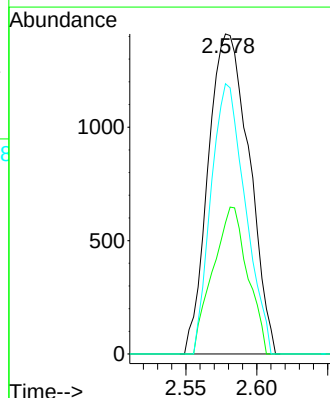
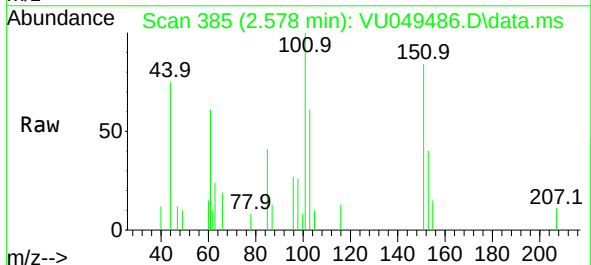
Instrument :
MSVOA_U
ClientSampleId :
RE132D7-20220620

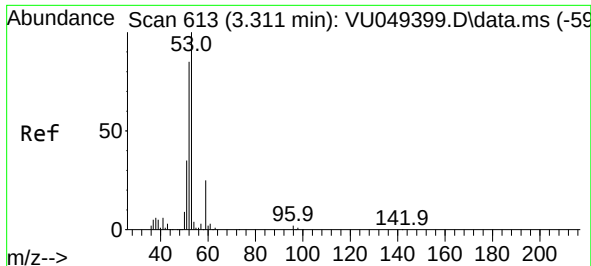
Tgt Ion: 64 Resp: 62
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.825 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049486.D
Acq: 29 Jun 2022 02:34

Tgt Ion:101 Resp: 2836
Ion Ratio Lower Upper
101 100
85 38.8 33.9 50.9
151 70.7 64.0 96.0

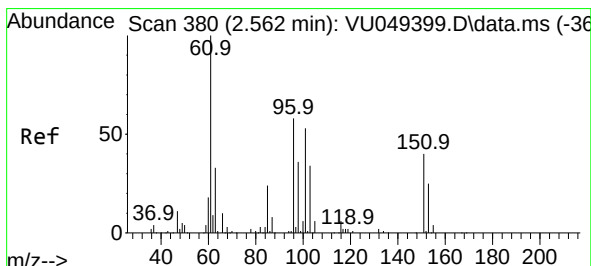
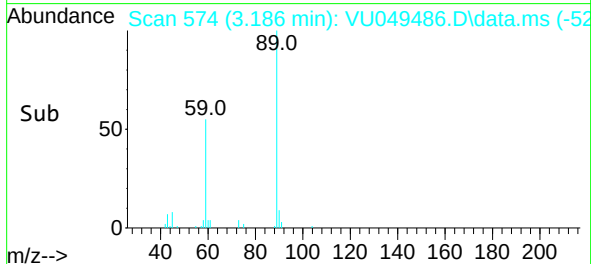
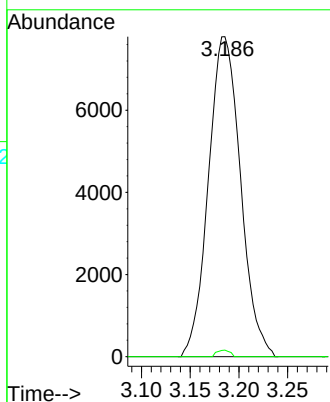
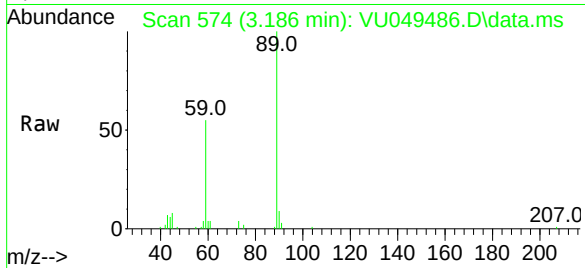




#11
Tert butyl alcohol
Concen: 16.006 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.125 min
Lab File: VU049486.D
Acq: 29 Jun 2022 02:34

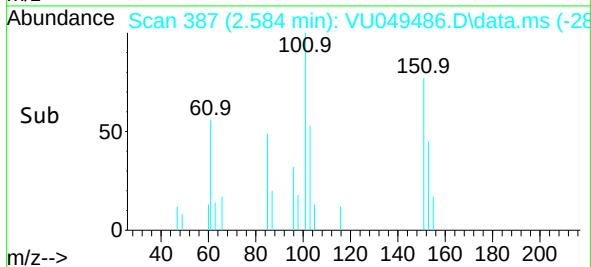
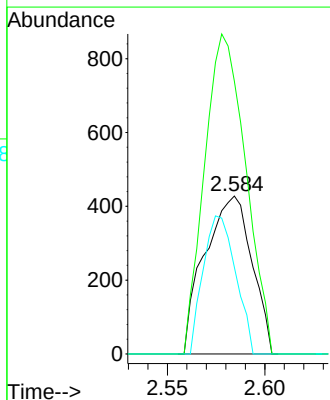
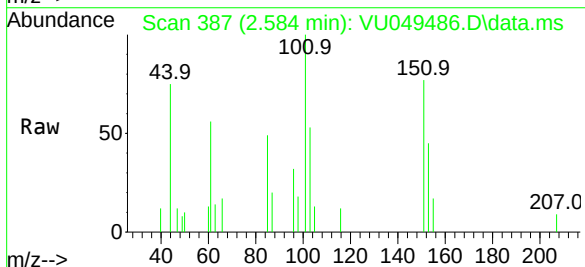
Instrument :
MSVOA_U
ClientSampleId :
RE132D7-20220620

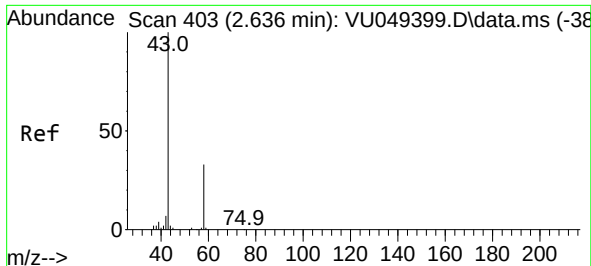
Tgt Ion: 59 Resp: 17881
Ion Ratio Lower Upper
59 100
57 0.8 30.6 45.8#



#12
1,1-Dichloroethene
Concen: 0.213 ug/l
RT: 2.584 min Scan# 387
Delta R.T. 0.023 min
Lab File: VU049486.D
Acq: 29 Jun 2022 02:34

Tgt Ion: 96 Resp: 718
Ion Ratio Lower Upper
96 100
61 172.7 122.2 183.2
98 54.9 50.7 76.1





#16

Acetone

Concen: 0.836 ug/l

RT: 2.639 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU049486.D

Acq: 29 Jun 2022 02:34

Instrument :

MSVOA_U

ClientSampleId :

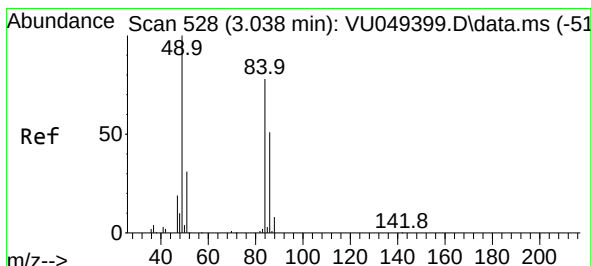
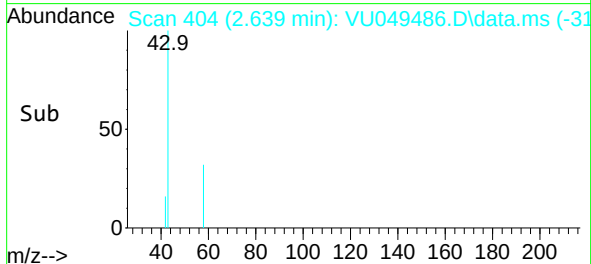
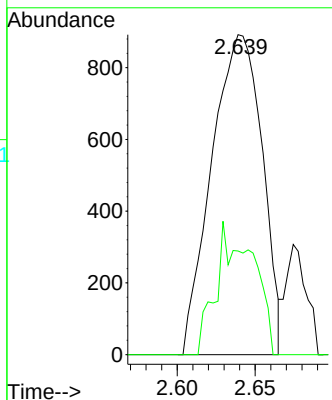
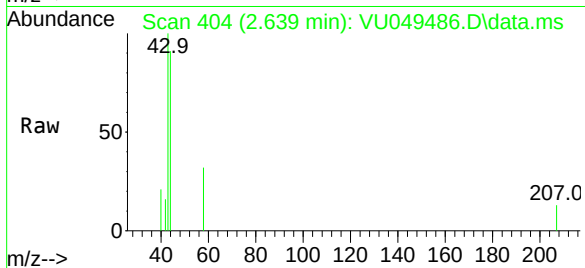
RE132D7-20220620

Tgt Ion: 43 Resp: 2012

Ion Ratio Lower Upper

43 100

58 32.4 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 3.044 min Scan# 530

Delta R.T. 0.006 min

Lab File: VU049486.D

Acq: 29 Jun 2022 02:34

Tgt Ion: 84 Resp: 1323

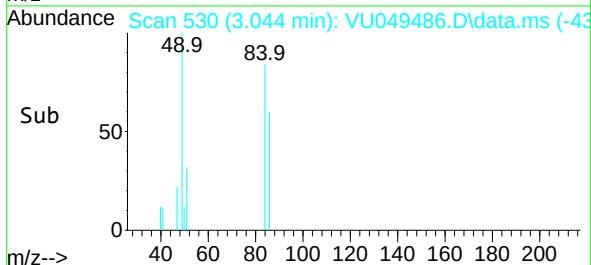
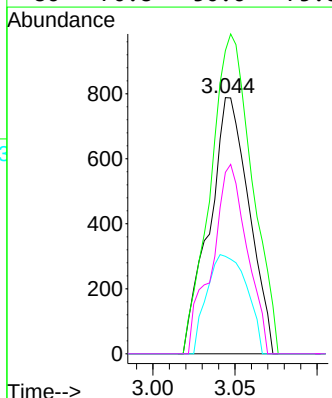
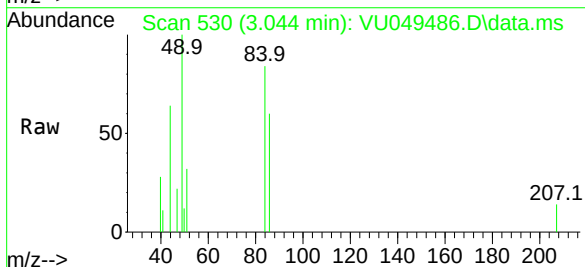
Ion Ratio Lower Upper

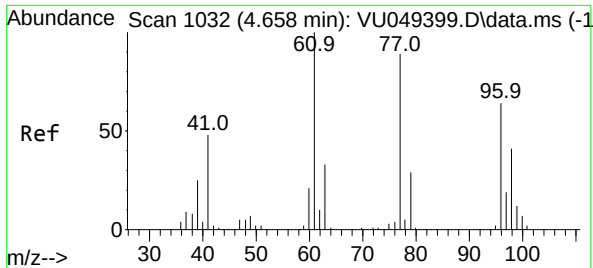
84 100

49 118.4 86.6 129.8

51 38.1 26.6 40.0

86 70.8 50.6 75.8





#26

2,2-Dichloropropane

Concen: 0.254 ug/l

RT: 4.645 min Scan# 1032

Delta R.T. -0.013 min

Lab File: VU049486.D

Acq: 29 Jun 2022 02:34

Instrument :

MSVOA_U

ClientSampleId :

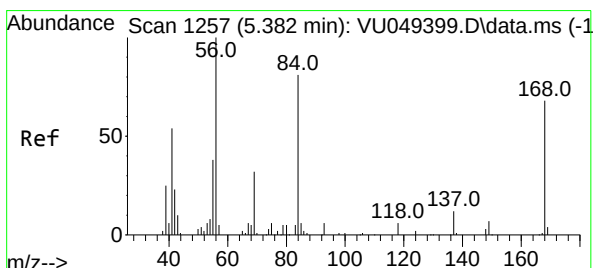
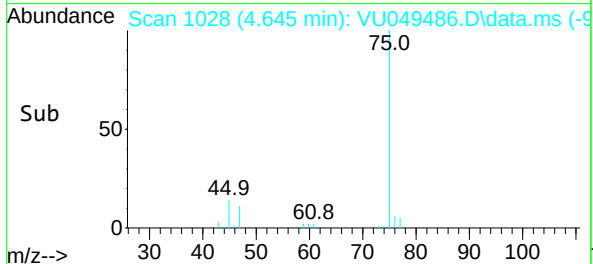
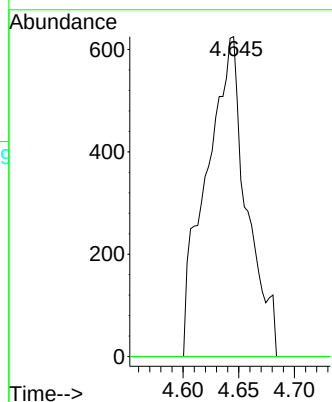
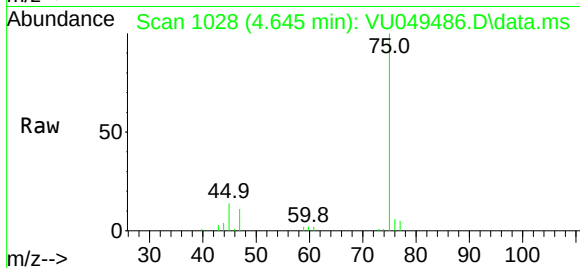
RE132D7-20220620

Tgt Ion: 77 Resp: 1575

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#31

Cyclohexane

Concen: 0.894 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.010 min

Lab File: VU049486.D

Acq: 29 Jun 2022 02:34

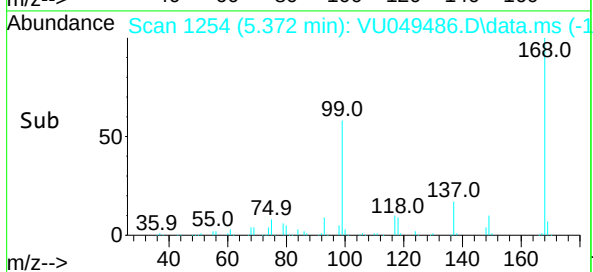
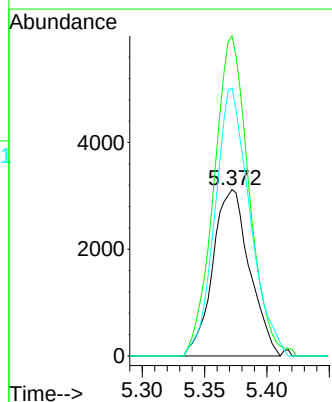
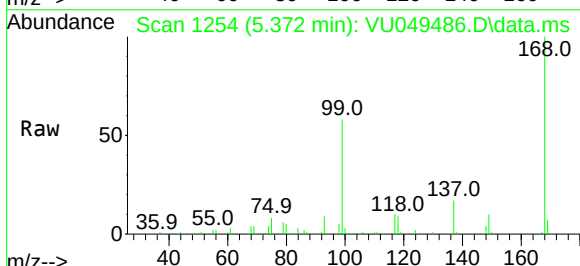
Tgt Ion: 56 Resp: 6407

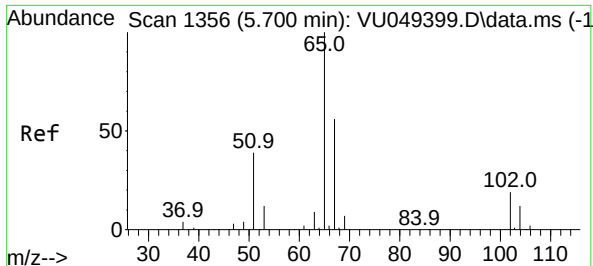
Ion Ratio Lower Upper

56 100

69 192.3 27.8 41.8#

84 161.1 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 43.039 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049486.D

Acq: 29 Jun 2022 02:34

Instrument :

MSVOA_U

ClientSampleId :

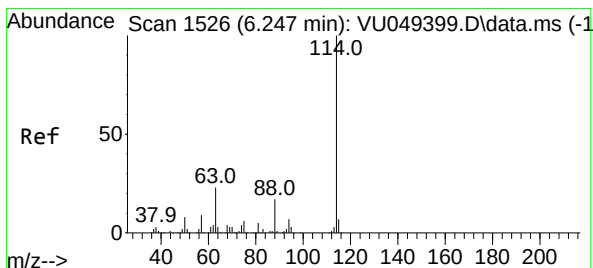
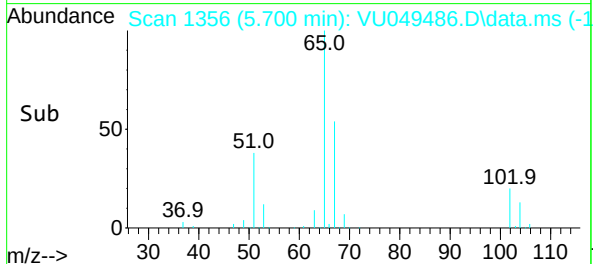
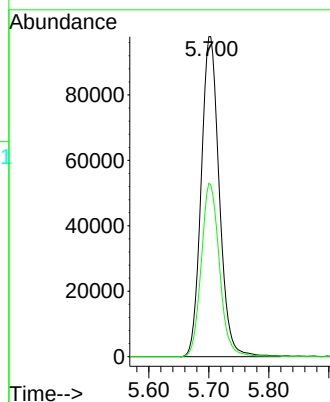
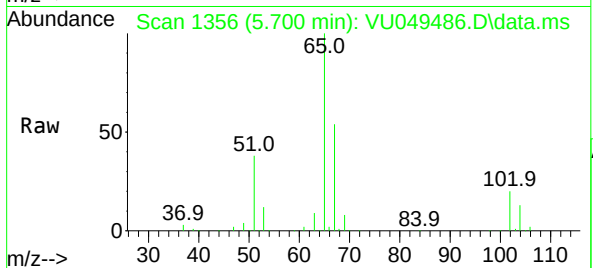
RE132D7-20220620

Tgt Ion: 65 Resp: 205428

Ion Ratio Lower Upper

65 100

67 54.4 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: VU049486.D

Acq: 29 Jun 2022 02:34

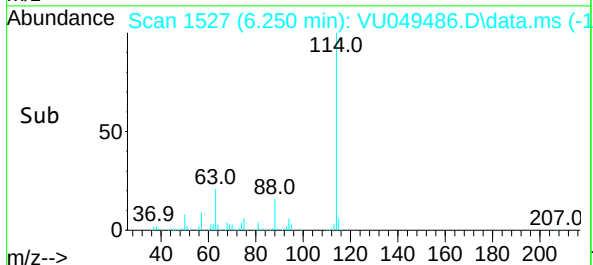
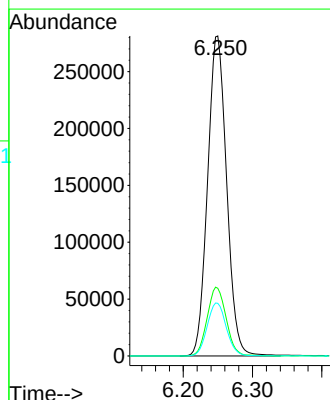
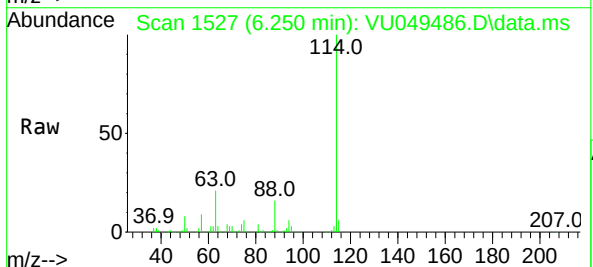
Tgt Ion: 114 Resp: 536051

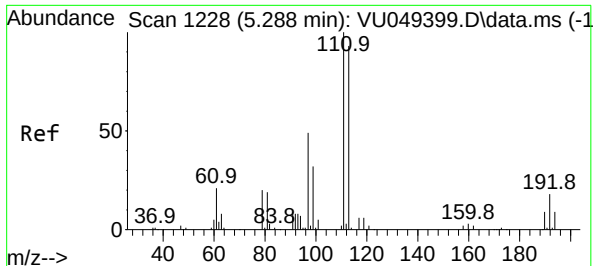
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.8

88 16.4 0.0 29.2





#35

Dibromofluoromethane

Concen: 44.034 ug/l

RT: 5.288 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049486.D

Acq: 29 Jun 2022 02:34

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ClientSampleId :

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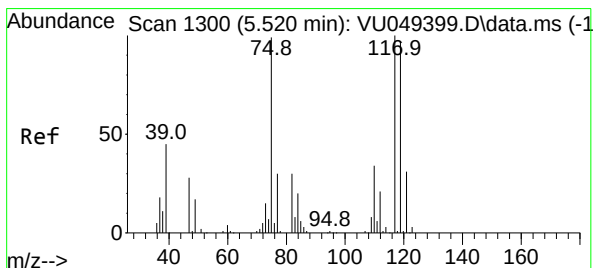
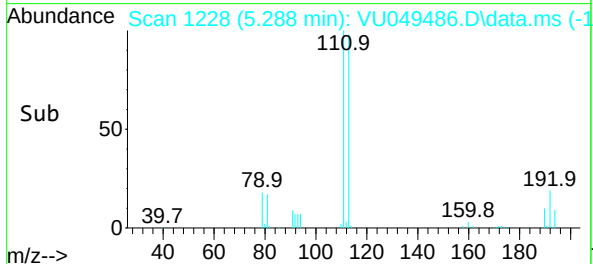
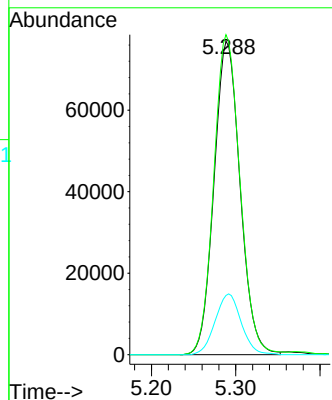
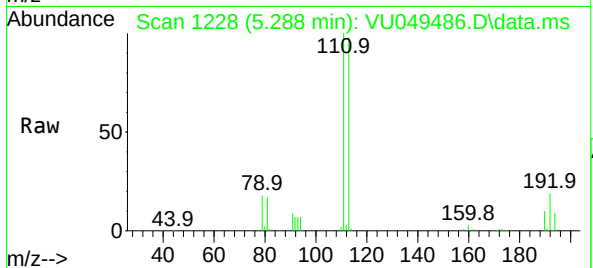
Tgt Ion:113 Resp: 165141

Ion Ratio Lower Upper

113 100

111 103.0 82.1 123.1

192 19.4 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.585 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049486.D

Acq: 29 Jun 2022 02:34

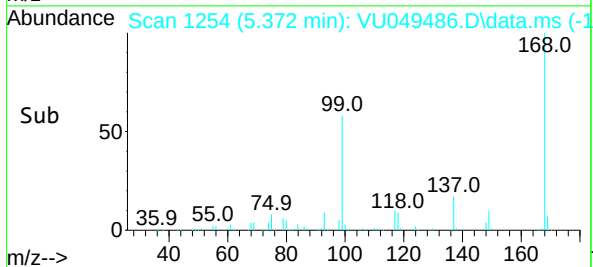
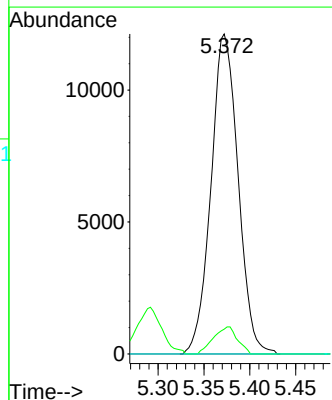
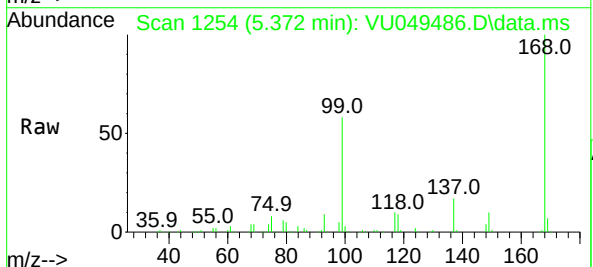
Tgt Ion: 75 Resp: 24932

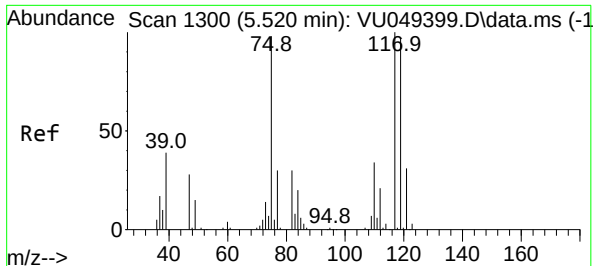
Ion Ratio Lower Upper

75 100

110 7.5 18.4 55.2#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.540 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049486.D

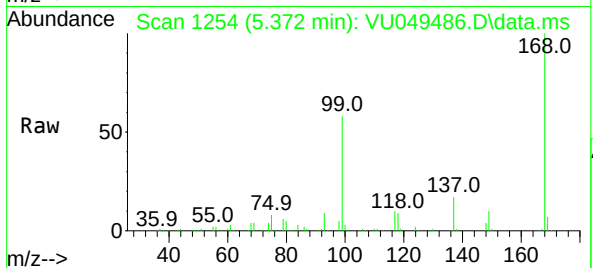
Acq: 29 Jun 2022 02:34

Instrument :

MSVOA_U

ClientSampleId :

RE132D7-20220620



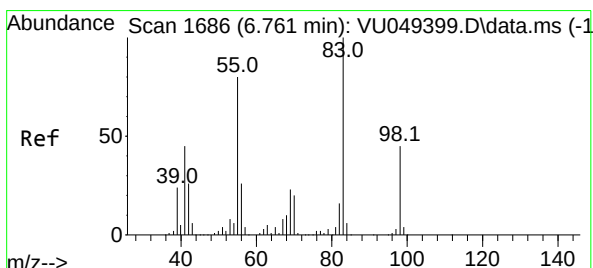
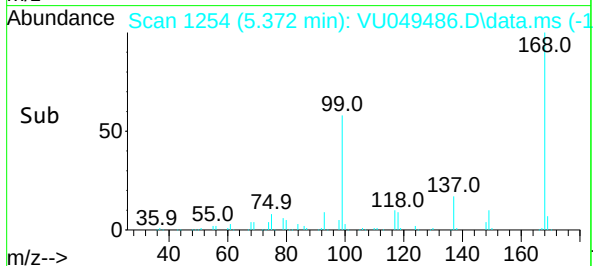
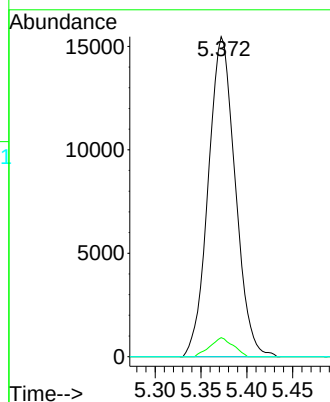
Tgt Ion:117 Resp: 31594

Ion Ratio Lower Upper

117 100

119 5.9 76.8 115.2#

121 0.0 24.7 37.1#



#39

Methylcyclohexane

Concen: 0.364 ug/l

RT: 6.539 min Scan# 1617

Delta R.T. -0.222 min

Lab File: VU049486.D

Acq: 29 Jun 2022 02:34

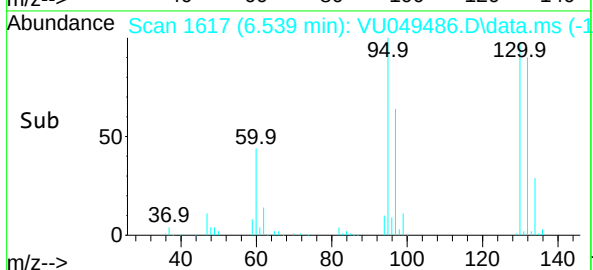
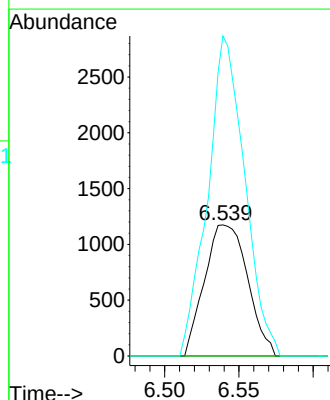
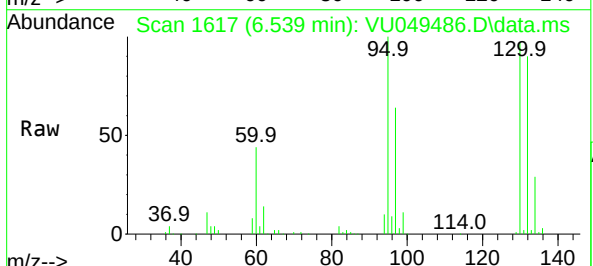
Tgt Ion: 83 Resp: 2372

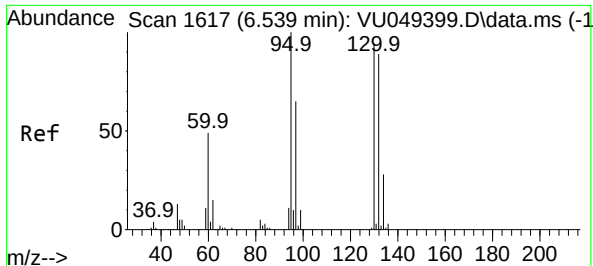
Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 244.1 37.3 55.9#

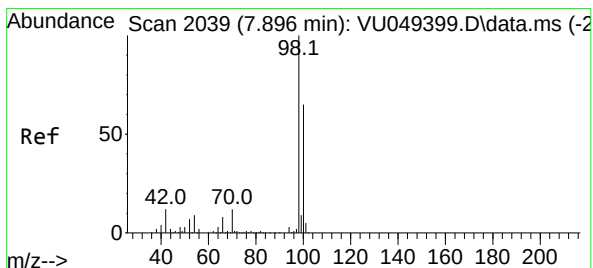
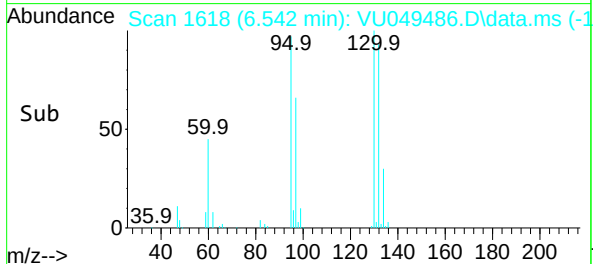
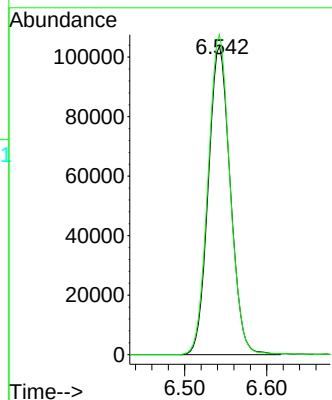
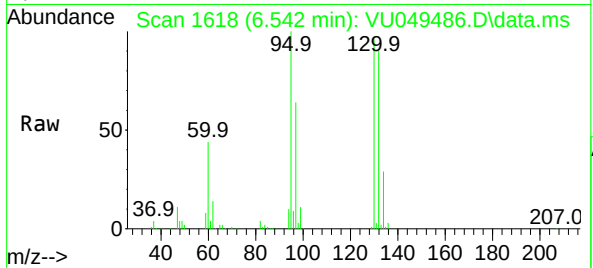




#44
Trichloroethene
Concen: 49.595 ug/l
RT: 6.542 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU049486.D
Acq: 29 Jun 2022 02:34

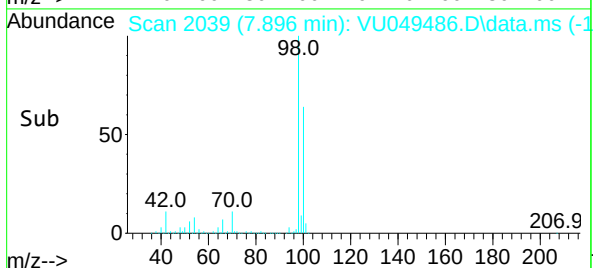
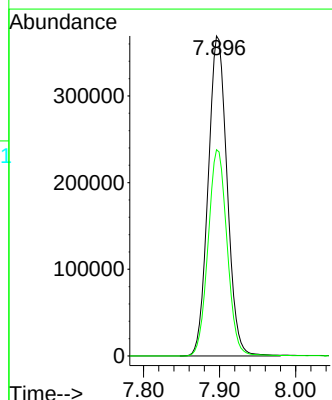
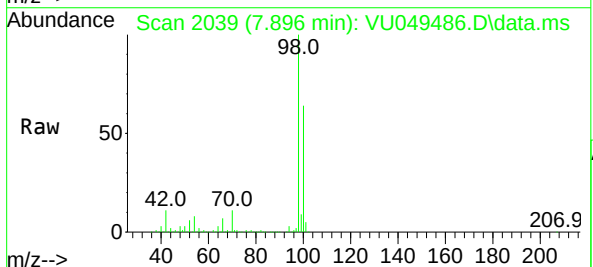
Instrument :
MSVOA_U
ClientSampleId :
RE132D7-20220620

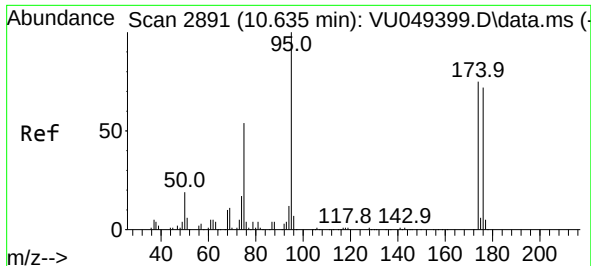
Tgt Ion:130 Resp: 193563
Ion Ratio Lower Upper
130 100
95 103.7 0.0 184.6



#50
Toluene-d8
Concen: 47.800 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049486.D
Acq: 29 Jun 2022 02:34

Tgt Ion: 98 Resp: 639392
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5

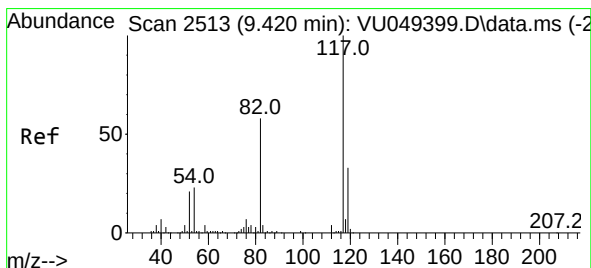
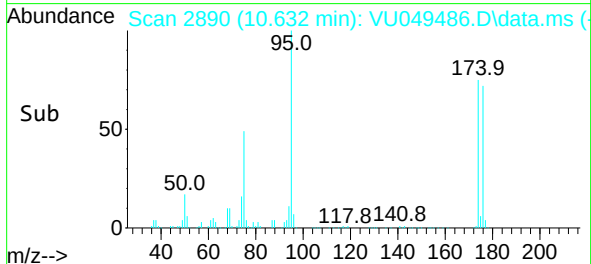
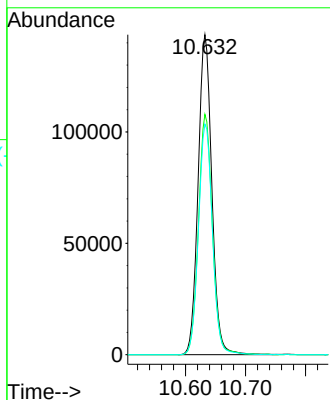
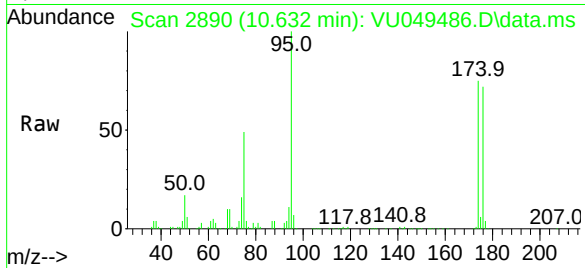




#62
4-Bromofluorobenzene
Concen: 44.793 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049486.D
Acq: 29 Jun 2022 02:34

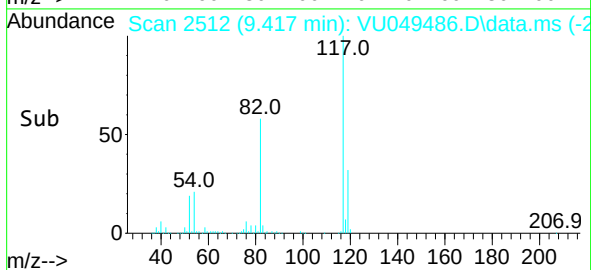
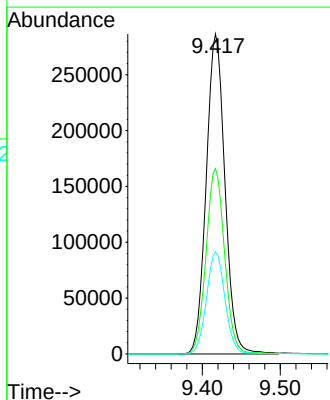
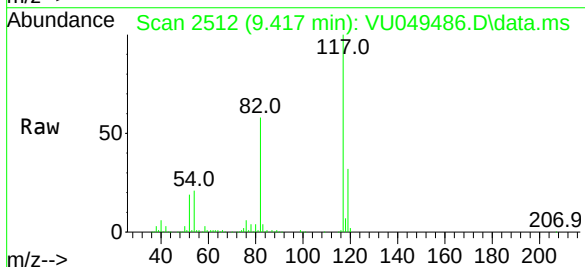
Instrument :
MSVOA_U
ClientSampleId :
RE132D7-20220620

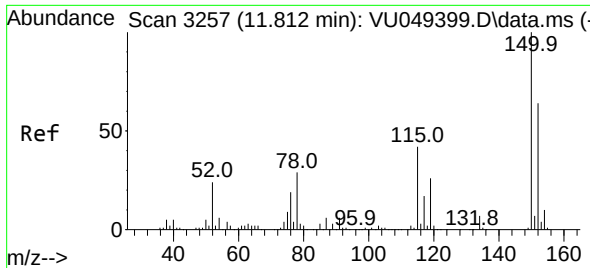
Tgt Ion: 95 Resp: 229526
Ion Ratio Lower Upper
95 100
174 76.0 0.0 182.0
176 73.2 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049486.D
Acq: 29 Jun 2022 02:34

Tgt Ion: 117 Resp: 477587
Ion Ratio Lower Upper
117 100
82 58.0 41.7 62.5
119 32.0 25.7 38.5

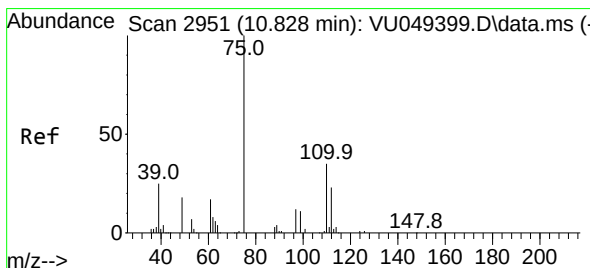
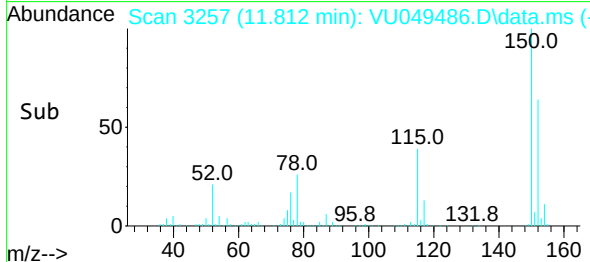
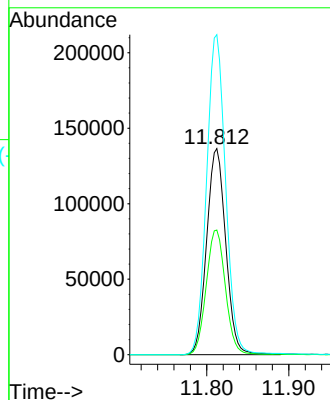
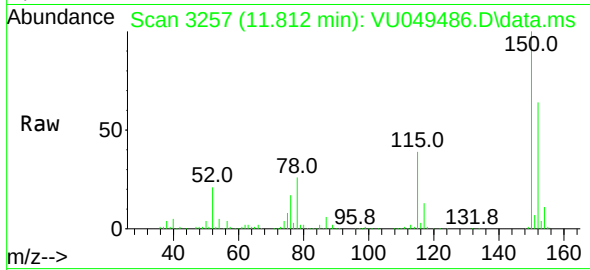




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049486.D
 Acq: 29 Jun 2022 02:34

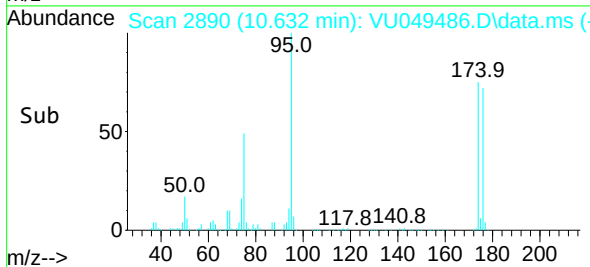
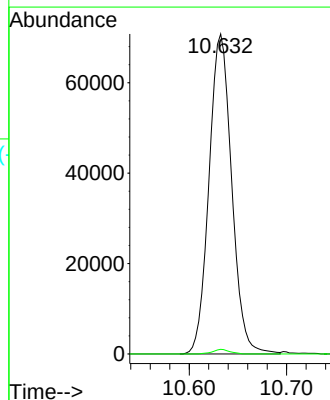
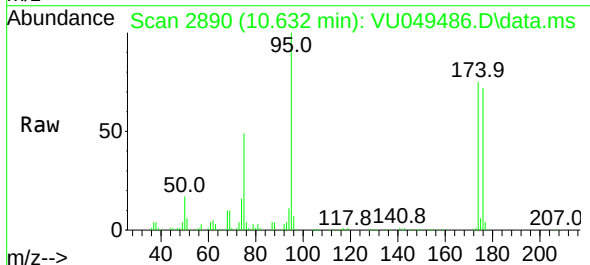
Instrument :
 MSVOA_U
 ClientSampleId :
 RE132D7-20220620

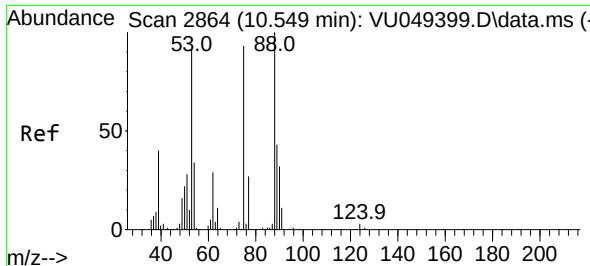
Tgt Ion:152 Resp: 220916
 Ion Ratio Lower Upper
 152 100
 115 60.7 37.0 110.9
 150 154.9 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.313 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049486.D
 Acq: 29 Jun 2022 02:34

Tgt Ion: 75 Resp: 114675
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.8 47.3#

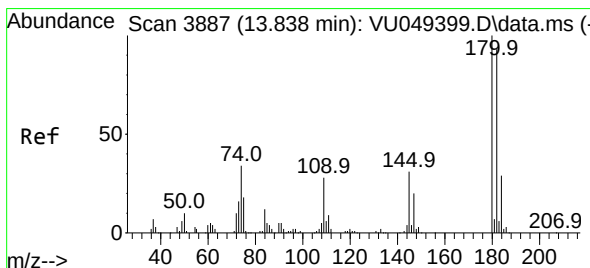
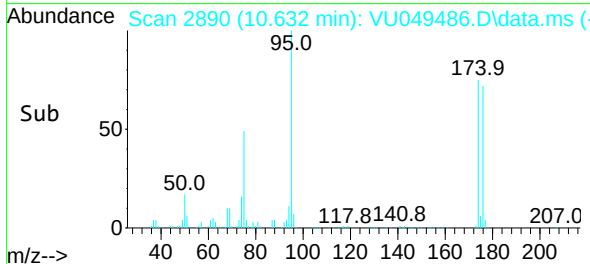
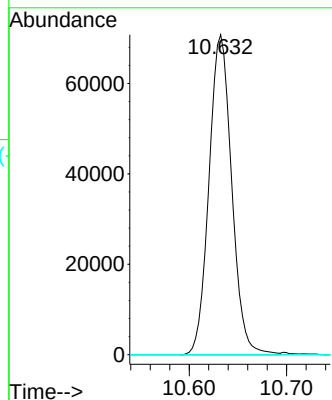
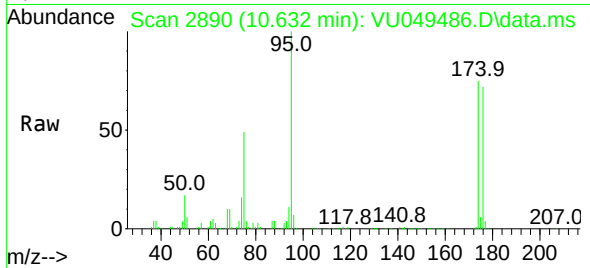




#81
trans-1,4-Dichloro-2-butene
Concen: 56.548 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049486.D
Acq: 29 Jun 2022 02:34

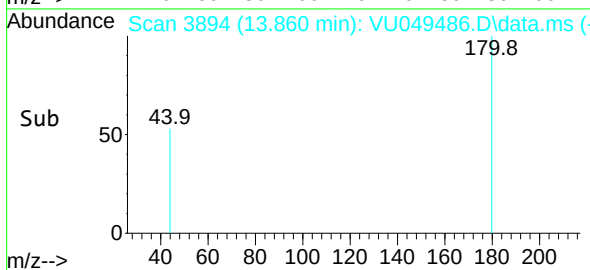
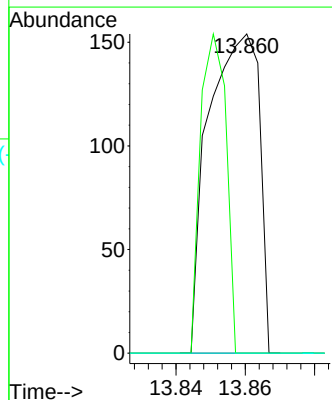
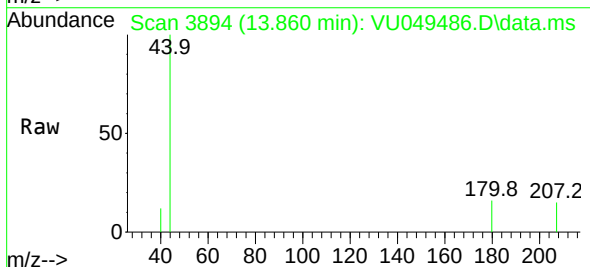
Instrument :
MSVOA_U
ClientSampleId :
RE132D7-20220620

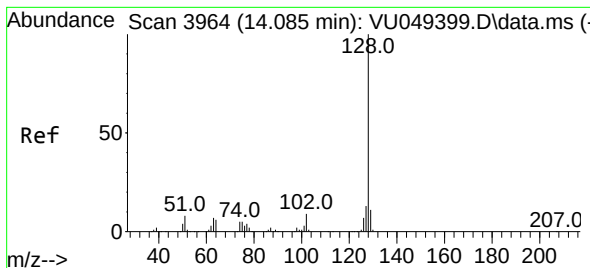
Tgt Ion: 75 Resp: 114675
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.784 ug/l
RT: 13.860 min Scan# 3894
Delta R.T. 0.023 min
Lab File: VU049486.D
Acq: 29 Jun 2022 02:34

Tgt Ion: 180 Resp: 156
Ion Ratio Lower Upper
180 100
182 50.6 47.9 143.6
145 0.0 14.0 41.9#





#95

Naphthalene

Concen: 1.788 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.010 min

Lab File: VU049486.D

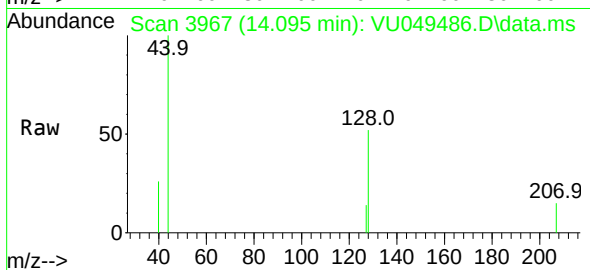
Acq: 29 Jun 2022 02:34

Instrument :

MSVOA_U

ClientSampleId :

RE132D7-20220620



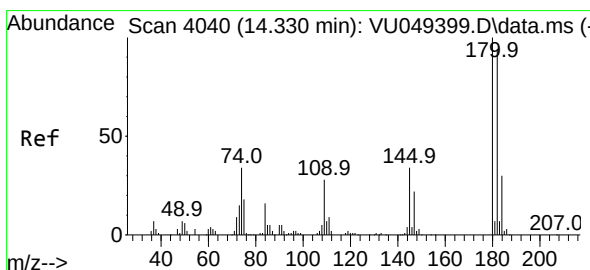
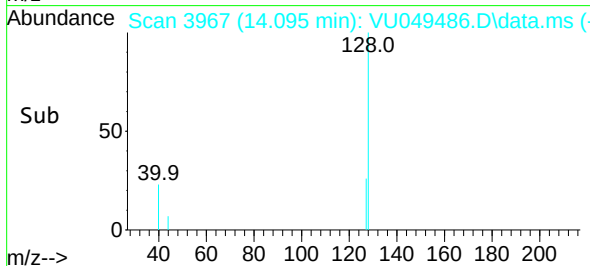
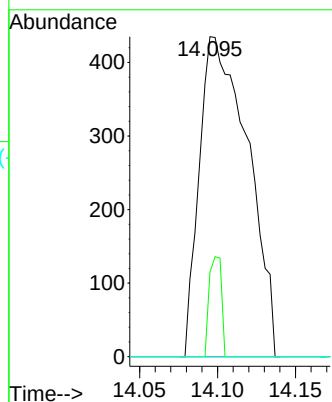
Tgt Ion:128 Resp: 936

Ion Ratio Lower Upper

128 100

127 7.9 10.3 15.5#

129 0.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.186 ug/l

RT: 14.333 min Scan# 4041

Delta R.T. 0.003 min

Lab File: VU049486.D

Acq: 29 Jun 2022 02:34

Tgt Ion:180 Resp: 47

Ion Ratio Lower Upper

180 100

182 148.9 48.4 145.0#

145 0.0 14.8 44.4#

