

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049516.D
 Acq On : 29 Jun 2022 16:35
 Operator : SY/MD
 Sample : N3457-16DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE125D2-20220621DL

Quant Time: Jun 30 00:49:22 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)

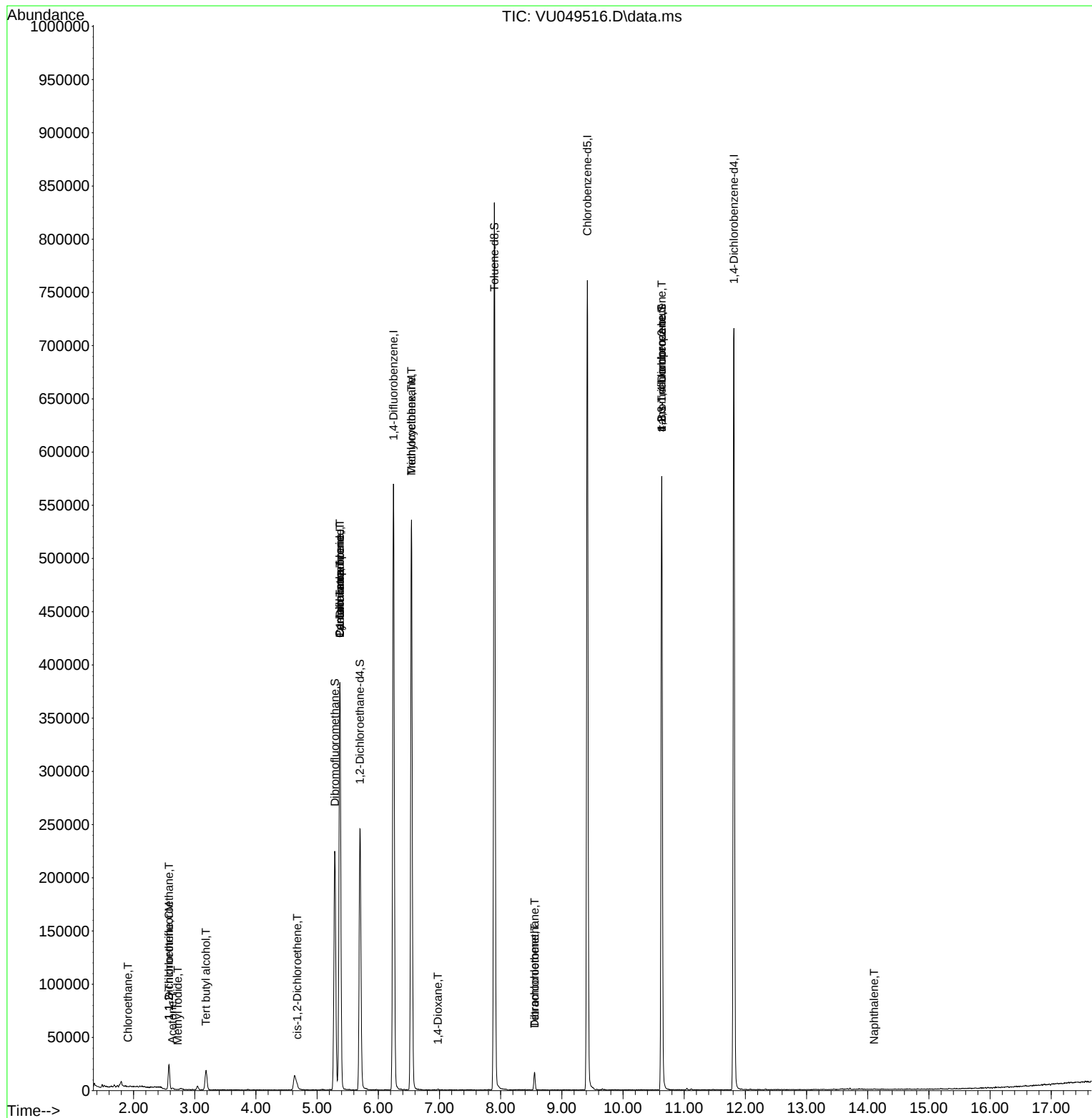
Internal Standards						
1) Pentafluorobenzene	5.372	168	264979	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	465051	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	418251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	190956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	184030	45.096	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.200%
35) Dibromofluoromethane	5.289	113	147280	45.267	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.540%
50) Toluene-d8	7.896	98	554815	47.809	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.620%
62) 4-Bromofluorobenzene	10.632	95	197712	44.476	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.960%
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	1606	Below Cal		99
6) Chloroethane	1.909	64	40	1.935	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.578	101	7318	2.490	ug/l	93
10) Methyl Iodide	2.723	142	97	7.541	ug/l #	43
11) Tert butyl alcohol	3.182	59	11709	12.259	ug/l #	37
12) 1,1-Dichloroethene	2.578	96	1997	0.694	ug/l	98
16) Acetone	2.636	43	1288	0.626	ug/l #	85
20) Methylene Chloride	3.044	84	1775	Below Cal		95
27) cis-1,2-Dichloroethene	4.674	96	2406	0.671	ug/l	73
31) Cyclohexane	5.372	56	5619	0.917	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	21543	4.566	ug/l #	48
38) Carbon Tetrachloride	5.372	117	26748	5.406	ug/l #	17
39) Methylcyclohexane	6.542	83	2157	0.381	ug/l #	1
44) Trichloroethene	6.542	130	177275	52.356	ug/l	84
49) 1,4-Dioxane	6.973	88	409	3.606	ug/l #	1
60) Dibromochloromethane	8.555	129	3775	1.037	ug/l #	11
64) Tetrachloroethene	8.555	164	3317	1.236	ug/l #	86
76) 1,2,3-Trichloropropane	10.632	75	98500	15.217	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	98500	56.193	ug/l #	15
95) Naphthalene	14.105	128	768	1.786	ug/l #	69

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

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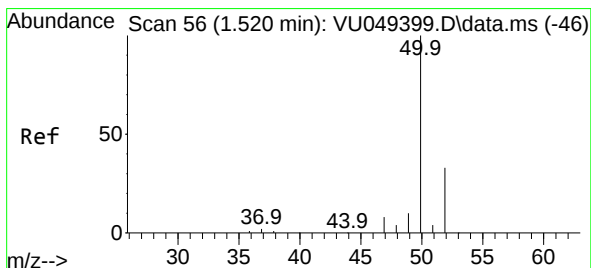
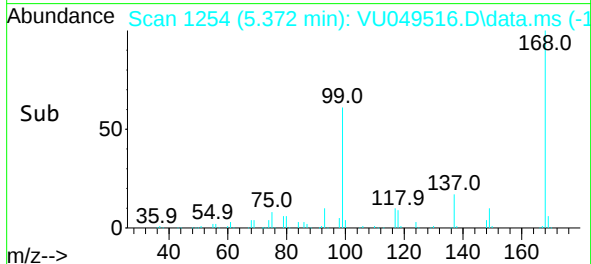
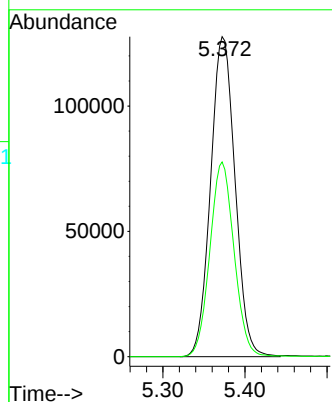
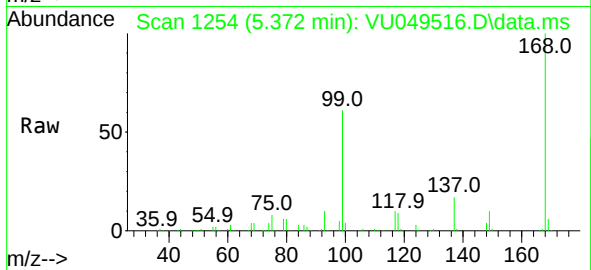




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049516.D
Acq: 29 Jun 2022 16:35

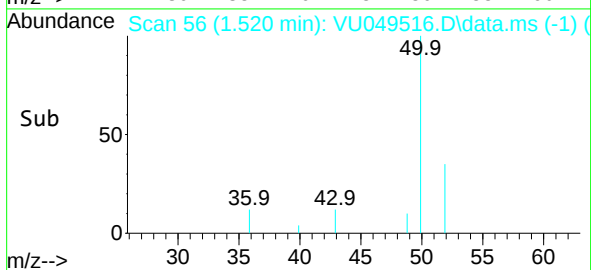
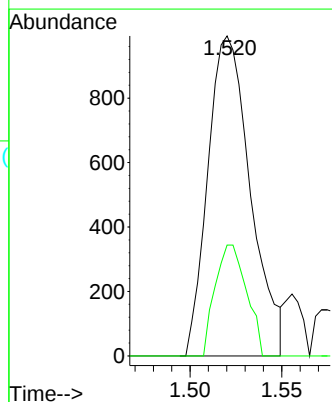
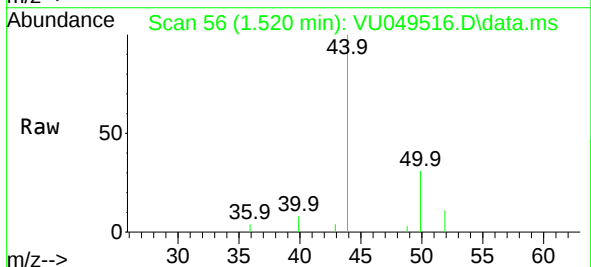
Instrument :
MSVOA_U
ClientSampleId :
RE125D2-20220621DL

Tgt Ion:168 Resp: 264979
Ion Ratio Lower Upper
168 100
99 60.8 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049516.D
Acq: 29 Jun 2022 16:35

Tgt Ion: 50 Resp: 1606
Ion Ratio Lower Upper
50 100
52 34.6 27.4 41.2

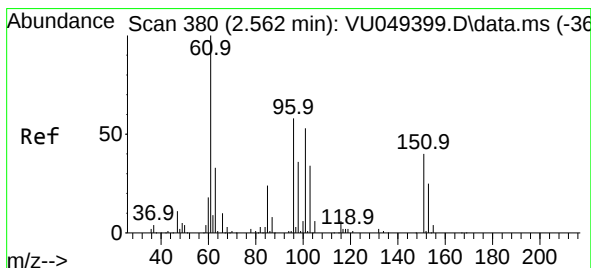
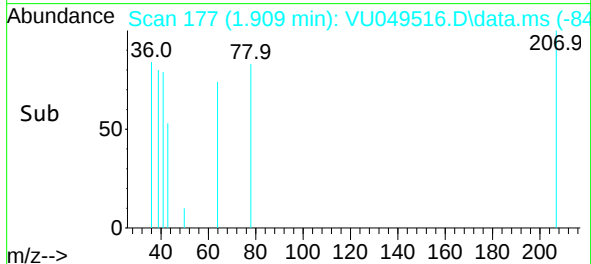
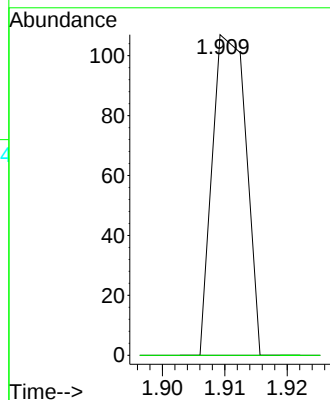
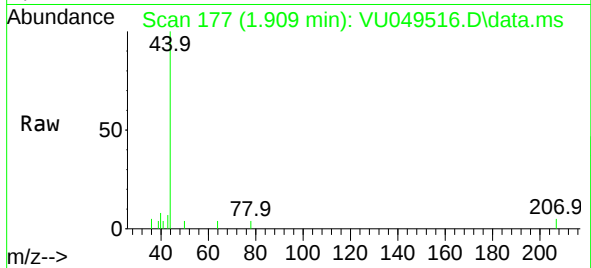




#6
Chloroethane
Concen: 1.935 ug/l
RT: 1.909 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049516.D
Acq: 29 Jun 2022 16:35

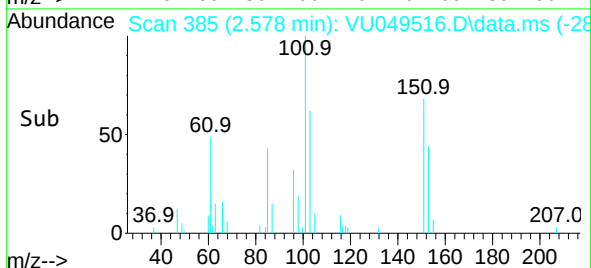
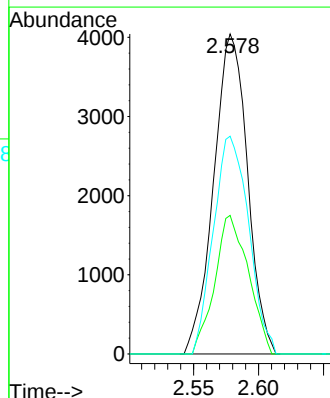
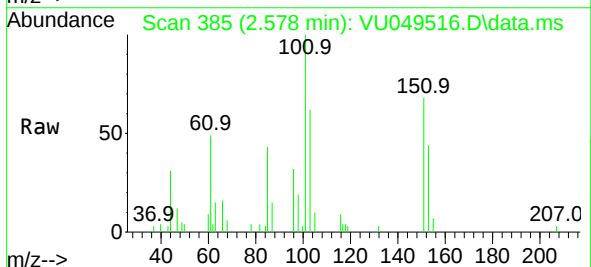
Instrument :
MSVOA_U
ClientSampleId :
RE125D2-20220621DL

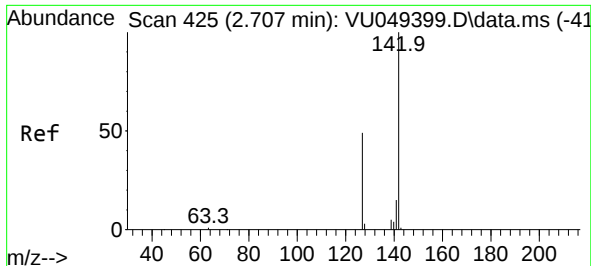
Tgt Ion: 64 Resp: 40
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.490 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049516.D
Acq: 29 Jun 2022 16:35

Tgt Ion: 101 Resp: 7318
Ion Ratio Lower Upper
101 100
85 43.0 33.9 50.9
151 71.0 64.0 96.0





#10

Methyl Iodide

Concen: 7.541 ug/l

RT: 2.723 min Scan# 41

Delta R.T. 0.016 min

Lab File: VU049516.D

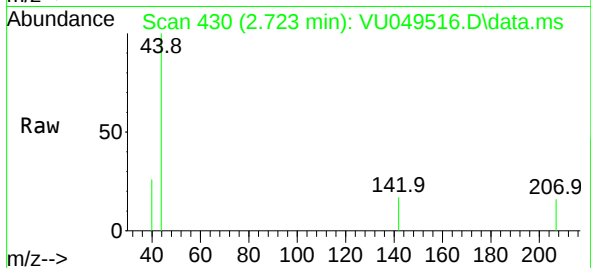
Acq: 29 Jun 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

RE125D2-20220621DL



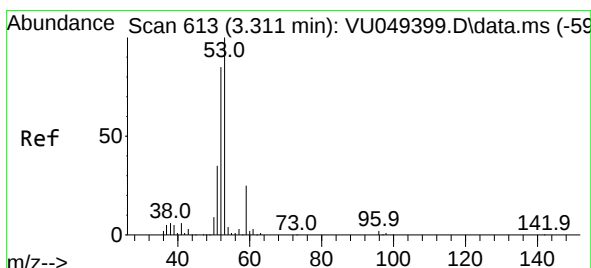
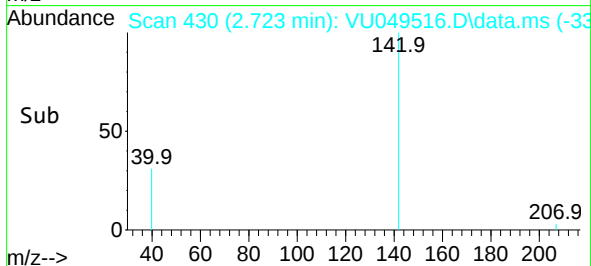
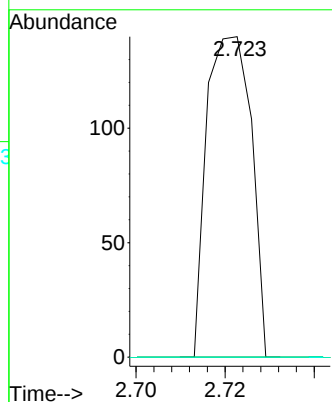
Tgt Ion:142 Resp: 97

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: 12.259 ug/l

RT: 3.182 min Scan# 573

Delta R.T. -0.128 min

Lab File: VU049516.D

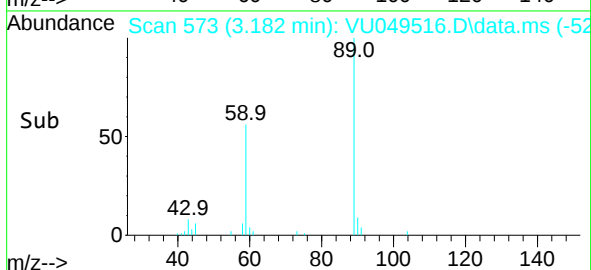
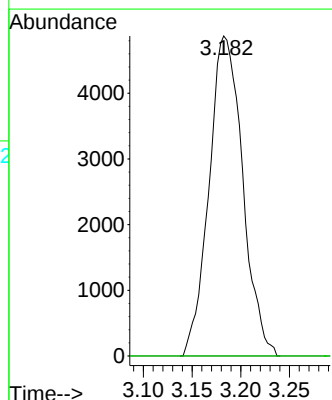
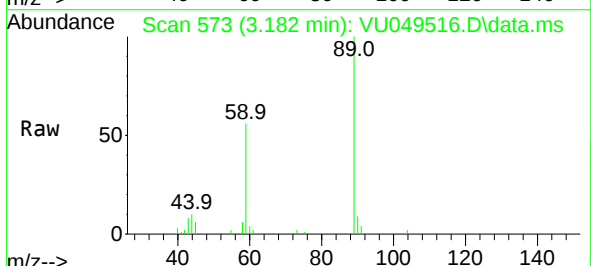
Acq: 29 Jun 2022 16:35

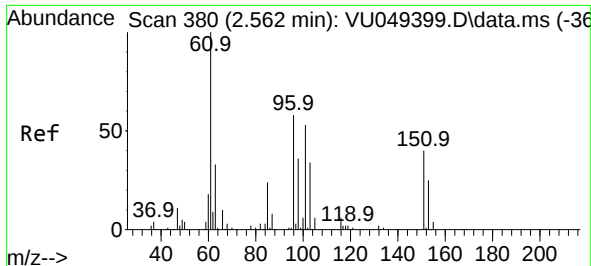
Tgt Ion: 59 Resp: 11709

Ion Ratio Lower Upper

59 100

57 0.0 30.6 45.8#





#12

1,1-Dichloroethene

Concen: 0.694 ug/l

RT: 2.578 min Scan# 31

Delta R.T. 0.016 min

Lab File: VU049516.D

Acq: 29 Jun 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

RE125D2-20220621DL

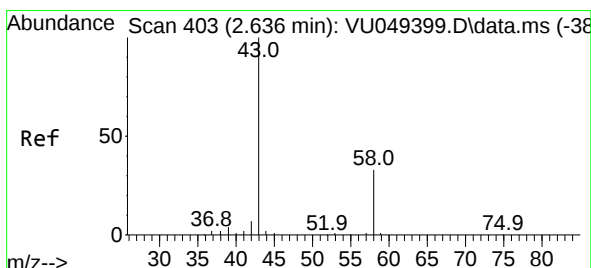
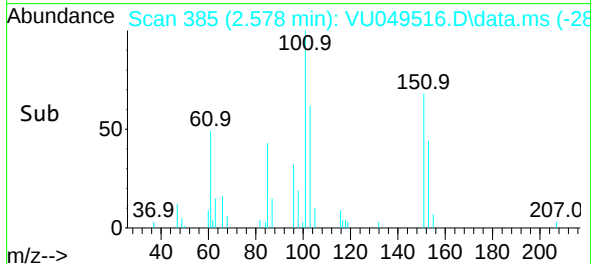
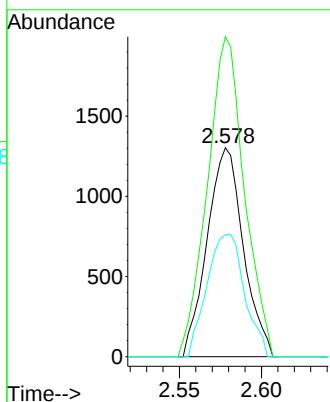
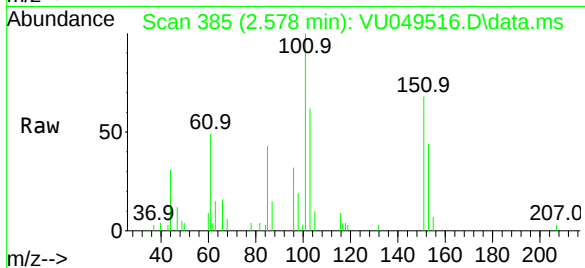
Tgt Ion: 96 Resp: 1997

Ion Ratio Lower Upper

96 100

61 153.2 122.2 183.2

98 58.3 50.7 76.1



#16

Acetone

Concen: 0.626 ug/l

RT: 2.636 min Scan# 403

Delta R.T. 0.000 min

Lab File: VU049516.D

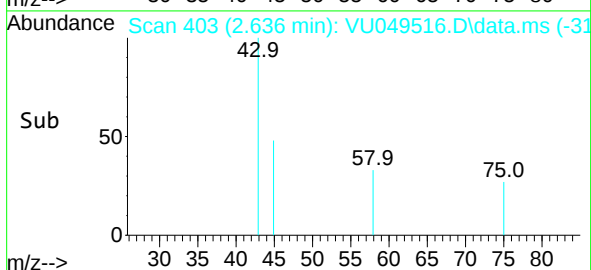
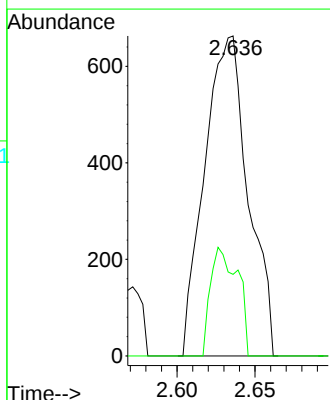
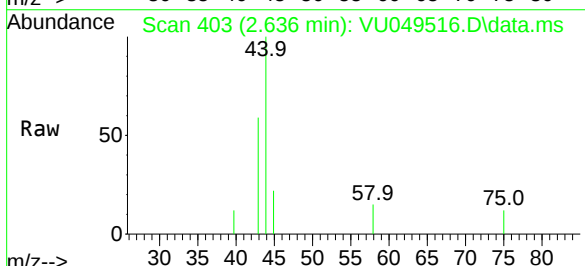
Acq: 29 Jun 2022 16:35

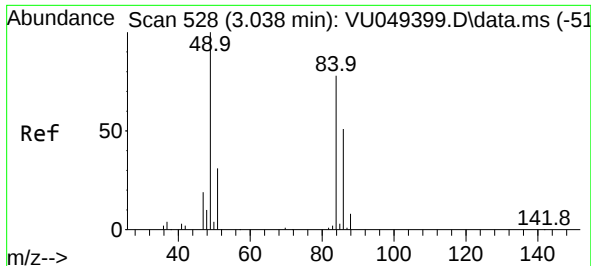
Tgt Ion: 43 Resp: 1288

Ion Ratio Lower Upper

43 100

58 25.5 27.5 41.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 3.044 min Scan# 51

Delta R.T. 0.007 min

Lab File: VU049516.D

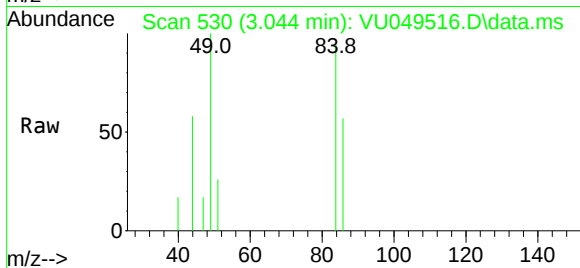
Acq: 29 Jun 2022 16:35

Instrument :

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Tgt Ion: 84 Resp: 1775

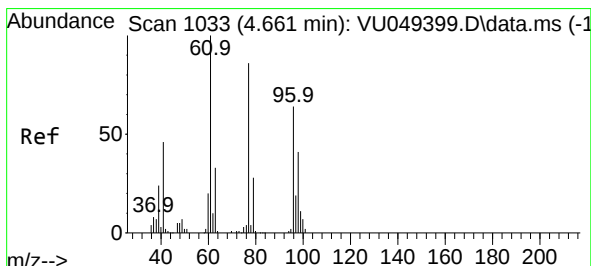
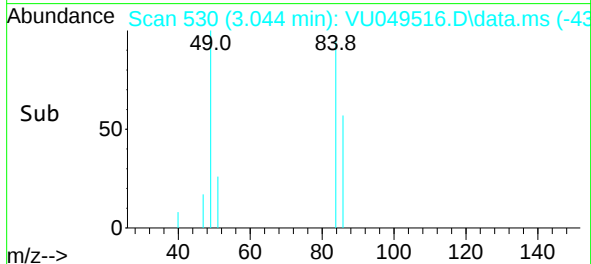
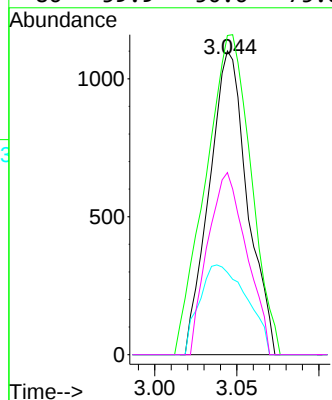
Ion Ratio Lower Upper

84 100

49 105.1 86.6 129.8

51 27.1 26.6 40.0

86 59.9 50.6 75.8



#27

cis-1,2-Dichloroethene

Concen: 0.671 ug/l

RT: 4.674 min Scan# 1037

Delta R.T. 0.013 min

Lab File: VU049516.D

Acq: 29 Jun 2022 16:35

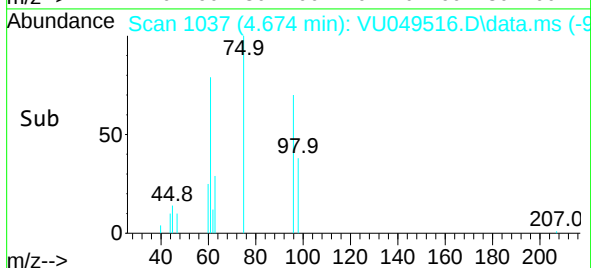
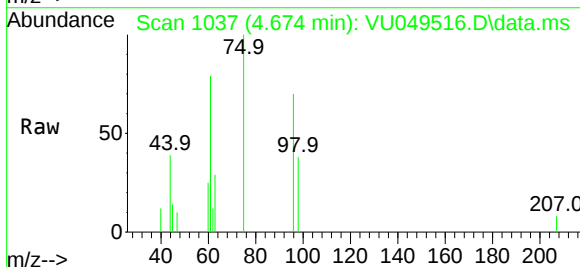
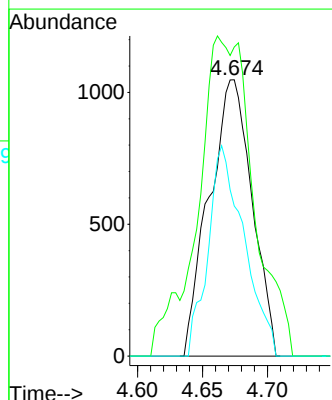
Tgt Ion: 96 Resp: 2406

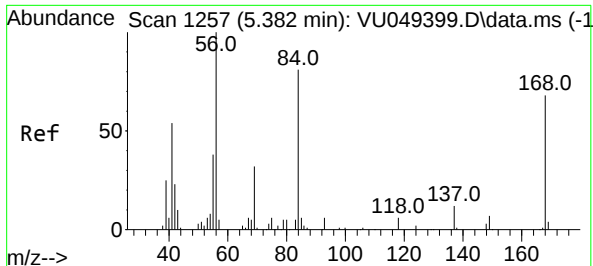
Ion Ratio Lower Upper

96 100

61 88.7 0.0 271.6

98 63.8 0.0 128.2

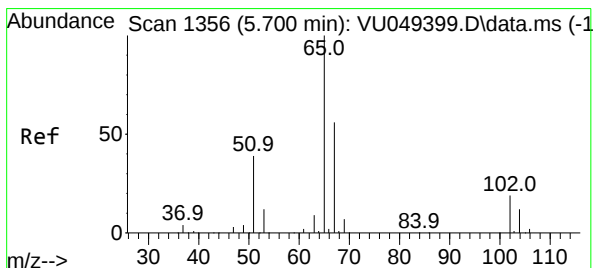
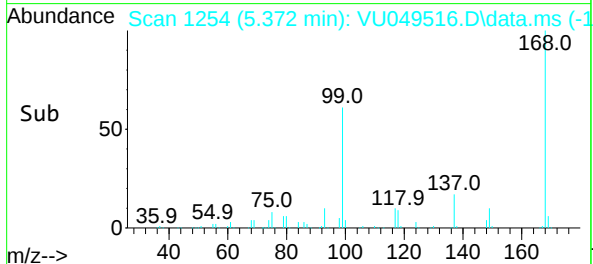
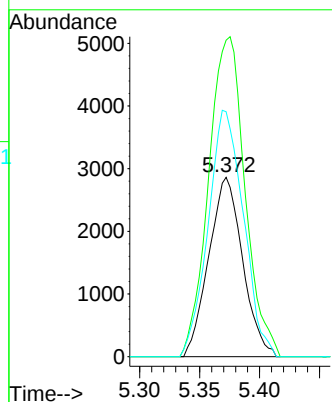
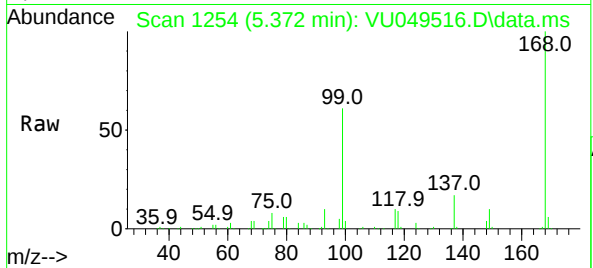




#31
Cyclohexane
Concen: 0.917 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VU049516.D
Acq: 29 Jun 2022 16:35

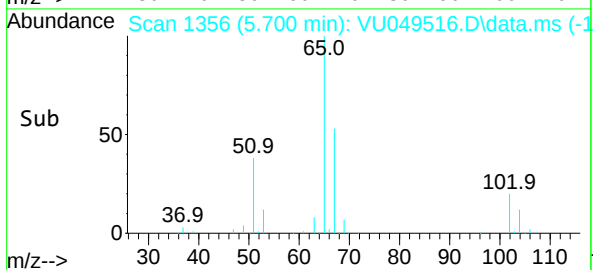
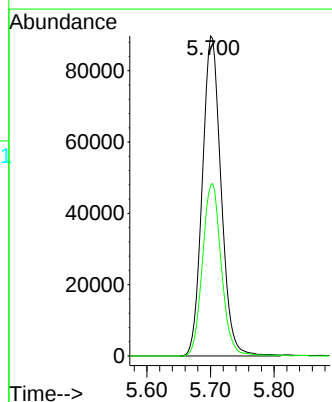
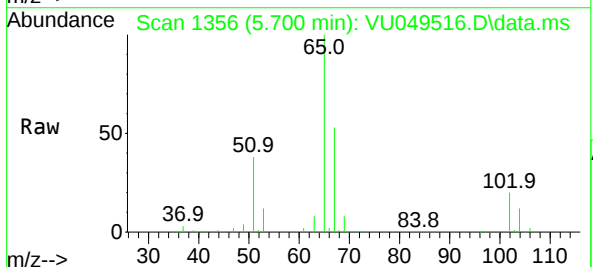
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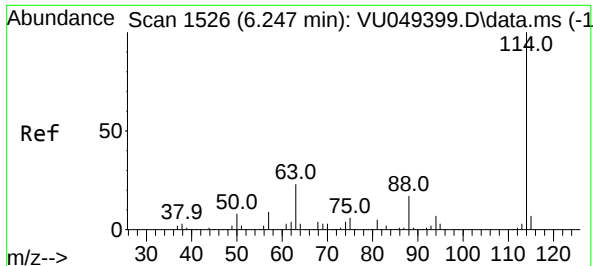
Tgt Ion: 56 Resp: 5619
Ion Ratio Lower Upper
56 100
69 176.4 27.8 41.8#
84 136.6 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 45.096 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049516.D
Acq: 29 Jun 2022 16:35

Tgt Ion: 65 Resp: 184030
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 114

Delta R.T. 0.003 min

Lab File: VU049516.D

Acq: 29 Jun 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

RE125D2-20220621DL

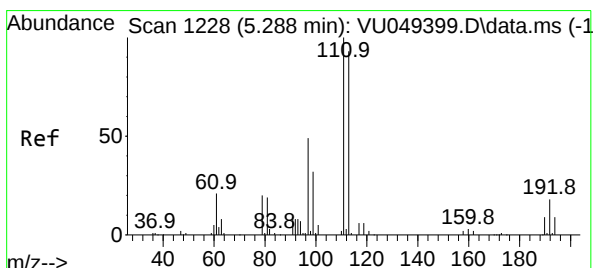
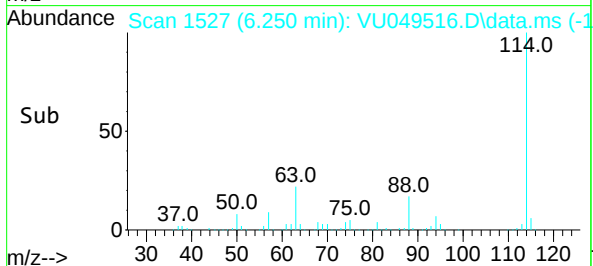
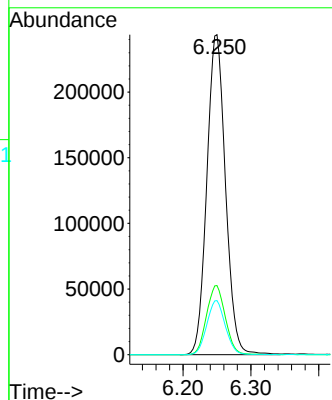
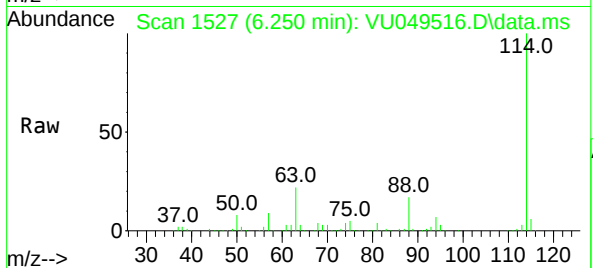
Tgt Ion:114 Resp: 465051

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

88 16.9 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.267 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049516.D

Acq: 29 Jun 2022 16:35

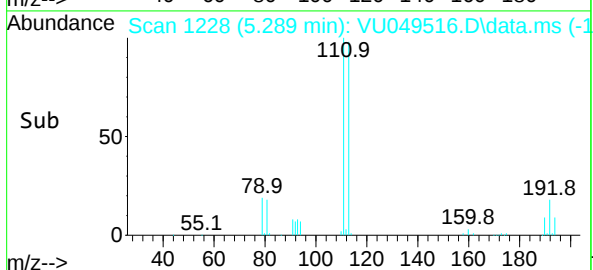
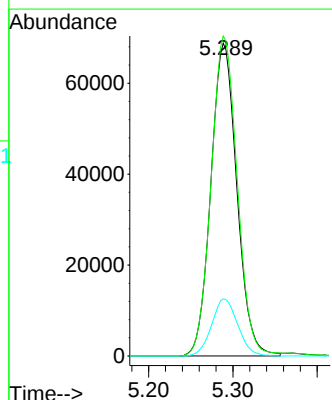
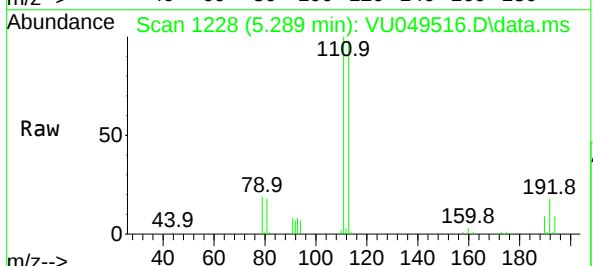
Tgt Ion:113 Resp: 147280

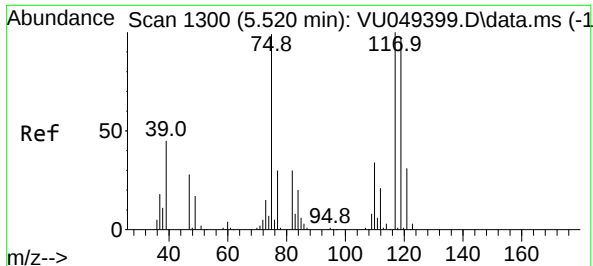
Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

192 18.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.566 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049516.D

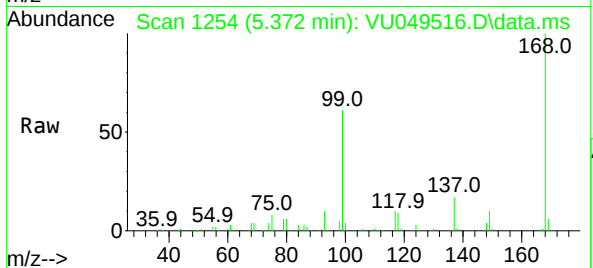
Acq: 29 Jun 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

RE125D2-20220621DL



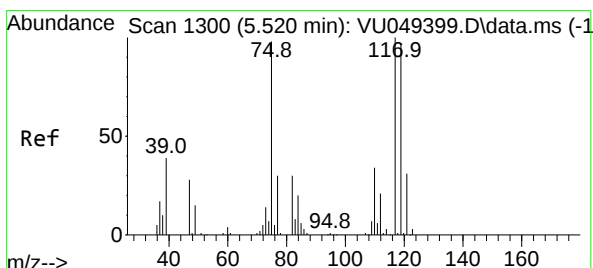
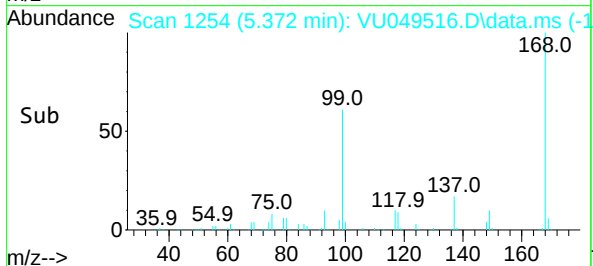
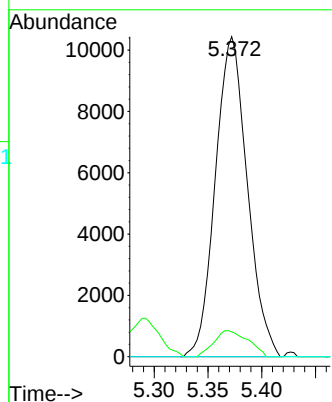
Tgt Ion: 75 Resp: 21543

Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.406 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049516.D

Acq: 29 Jun 2022 16:35

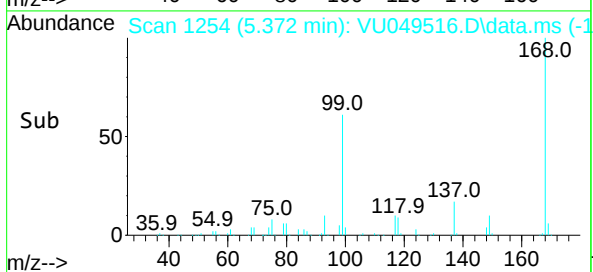
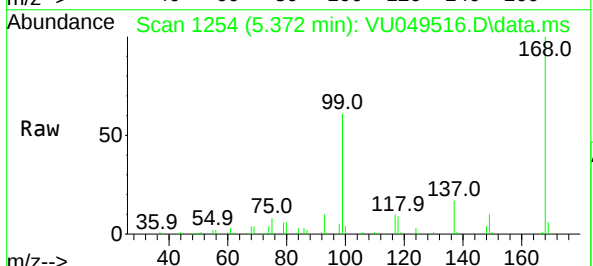
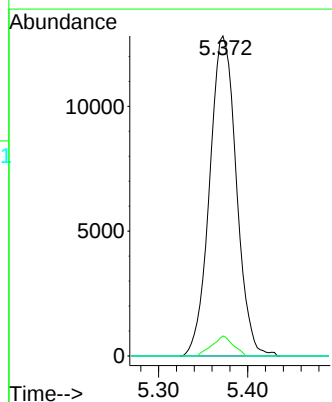
Tgt Ion: 117 Resp: 26748

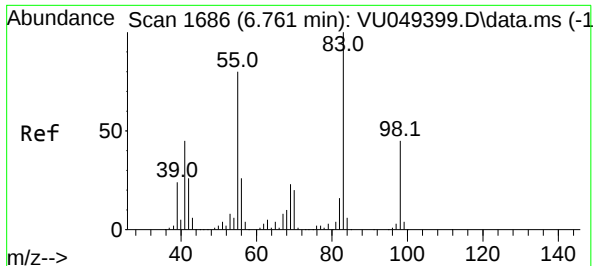
Ion Ratio Lower Upper

117 100

119 6.2 76.8 115.2#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.381 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. -0.219 min

Lab File: VU049516.D

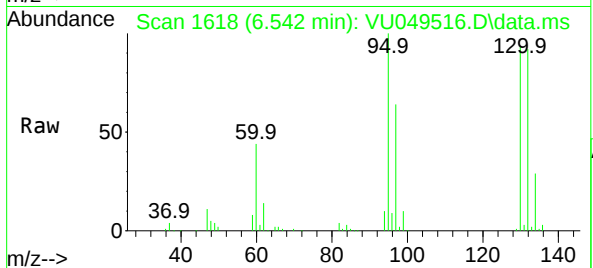
Acq: 29 Jun 2022 16:35

Instrument :

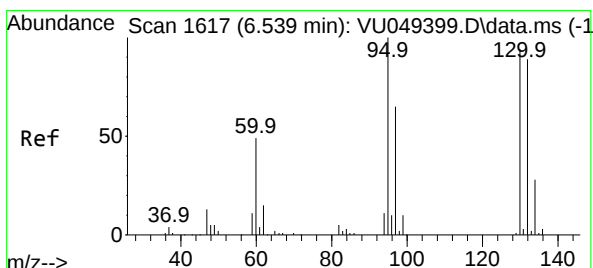
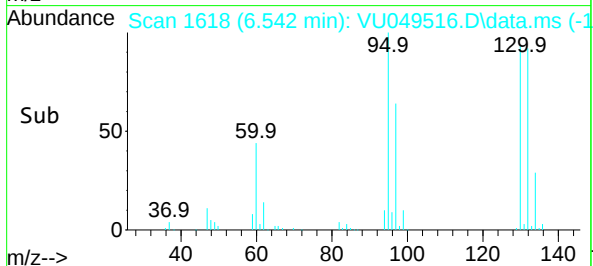
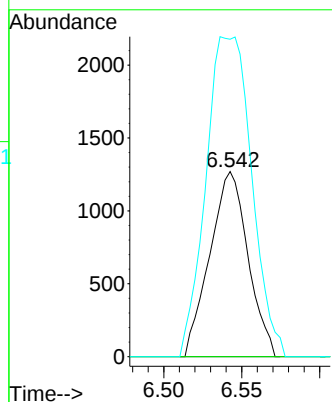
MSVOA_U

ClientSampleId :

RE125D2-20220621DL



Tgt Ion:	83	Resp:	2157
Ion	Ratio	Lower	Upper
83	100		
55	0.0	55.3	82.9#
98	171.4	37.3	55.9#



#44

Trichloroethene

Concen: 52.356 ug/l

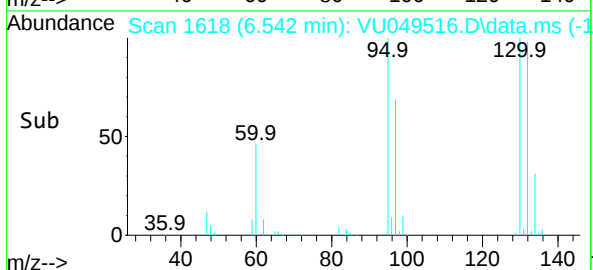
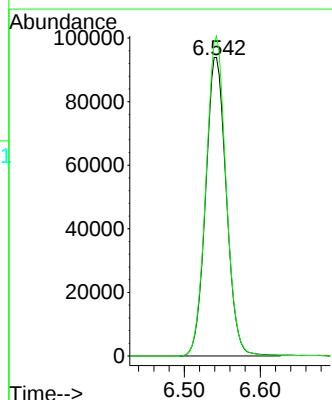
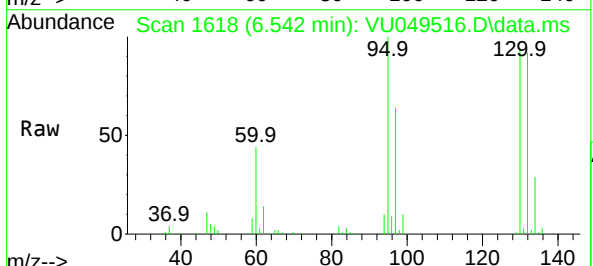
RT: 6.542 min Scan# 1618

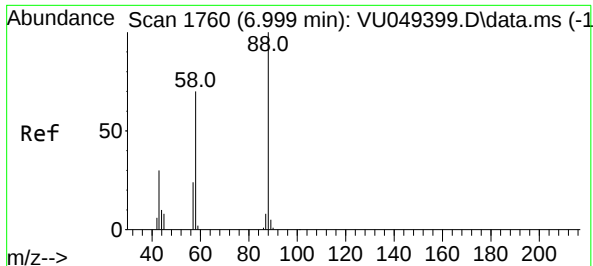
Delta R.T. 0.003 min

Lab File: VU049516.D

Acq: 29 Jun 2022 16:35

Tgt Ion:	130	Resp:	177275
Ion	Ratio	Lower	Upper
130	100		
95	107.2	0.0	184.6





#49

1,4-Dioxane

Concen: 3.606 ug/l

RT: 6.973 min Scan# 1

Delta R.T. -0.026 min

Lab File: VU049516.D

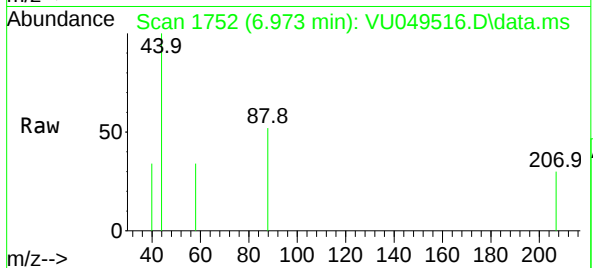
Acq: 29 Jun 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

RE125D2-20220621DL



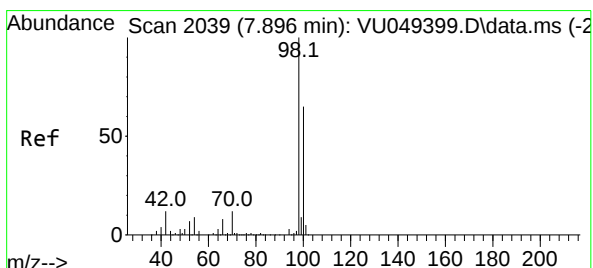
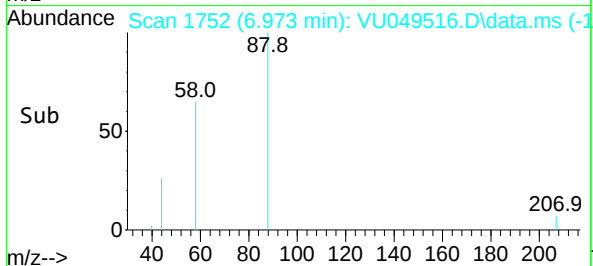
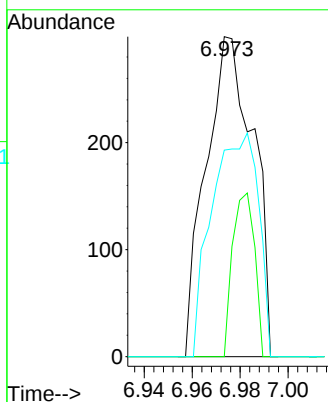
Tgt Ion: 88 Resp: 409

Ion Ratio Lower Upper

88 100

43 23.7 0.0 0.0#

58 68.7 15.4 23.0#



#50

Toluene-d8

Concen: 47.809 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049516.D

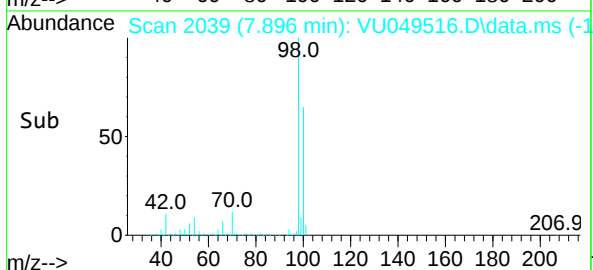
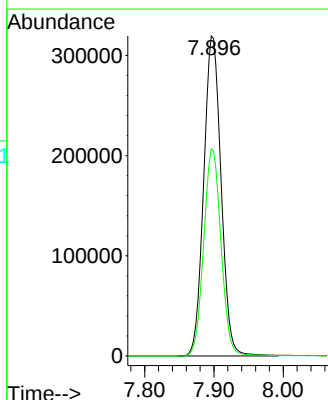
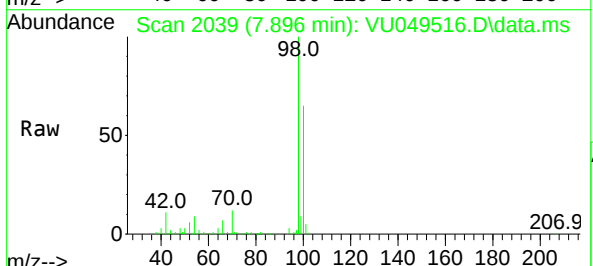
Acq: 29 Jun 2022 16:35

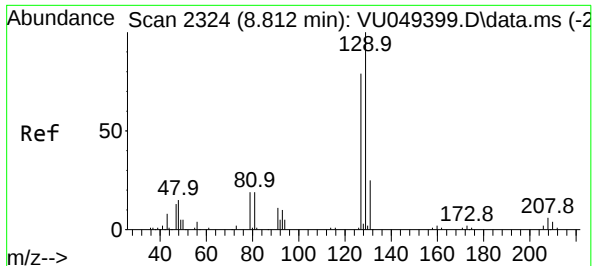
Tgt Ion: 98 Resp: 554815

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5

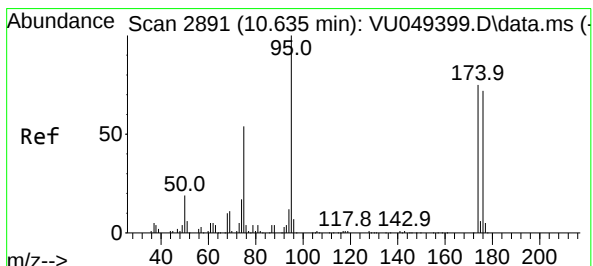
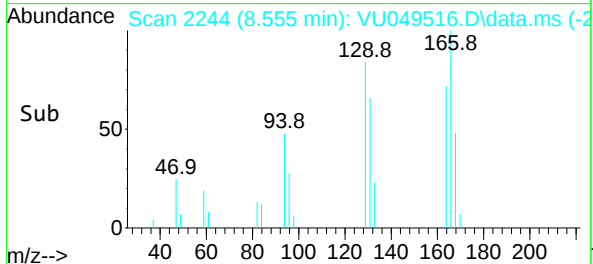
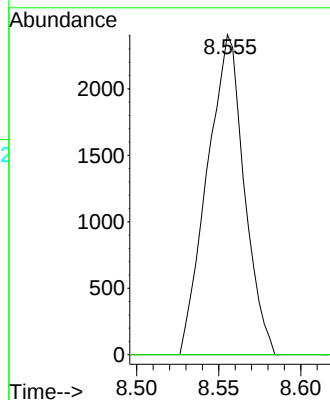
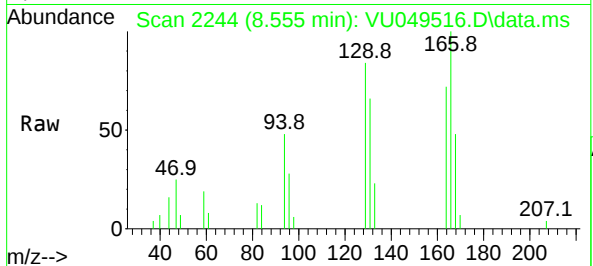




#60
Dibromochloromethane
Concen: 1.037 ug/l
RT: 8.555 min Scan# 211
Delta R.T. -0.257 min
Lab File: VU049516.D
Acq: 29 Jun 2022 16:35

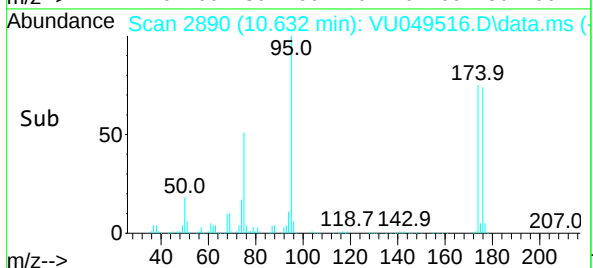
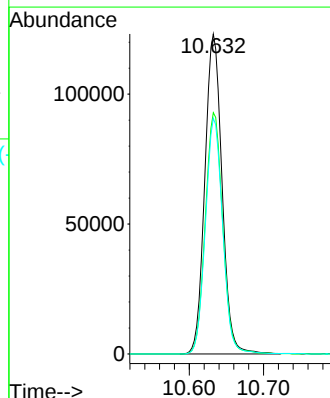
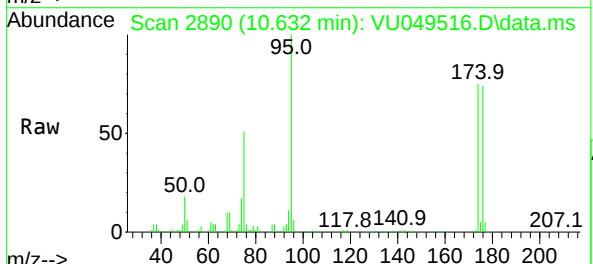
Instrument :
MSVOA_U
ClientSampleId :
RE125D2-20220621DL

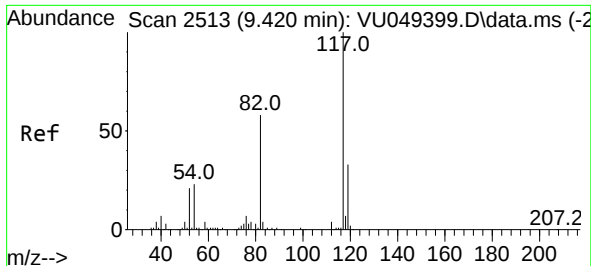
Tgt Ion:129 Resp: 3775
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 44.476 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049516.D
Acq: 29 Jun 2022 16:35

Tgt Ion: 95 Resp: 197712
Ion Ratio Lower Upper
95 100
174 76.8 0.0 182.0
176 73.8 0.0 177.8

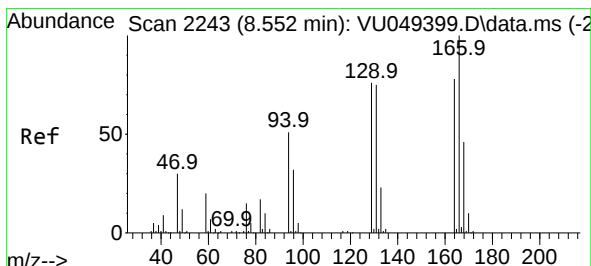
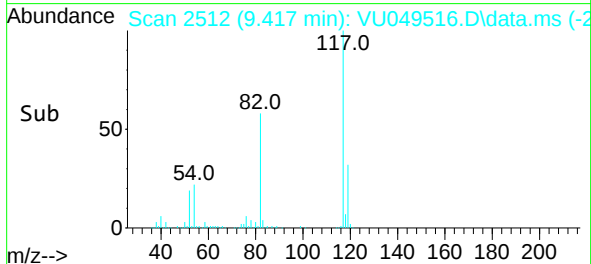
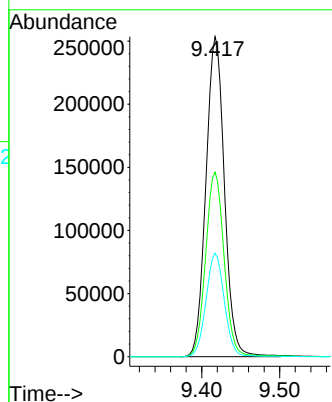
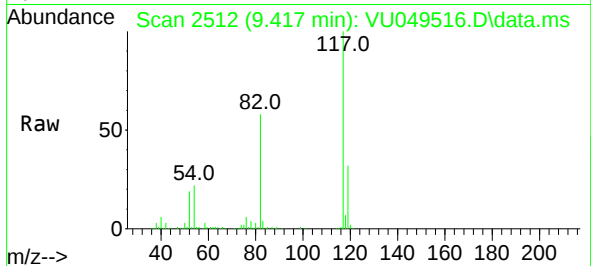




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049516.D
Acq: 29 Jun 2022 16:35

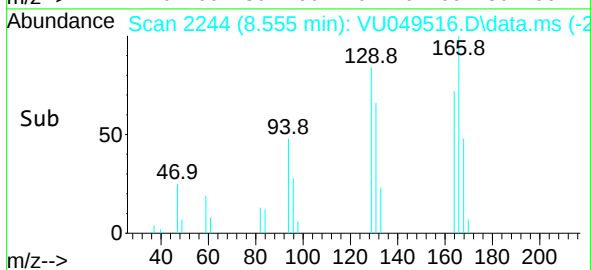
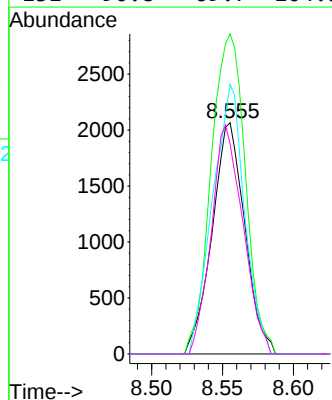
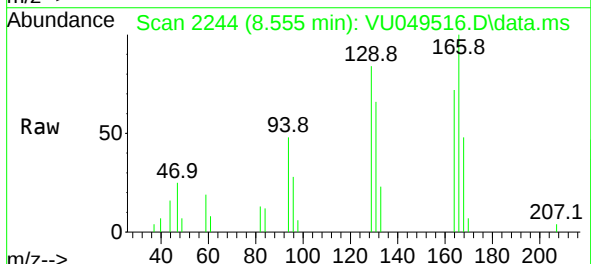
Instrument :
MSVOA_U
ClientSampleId :
RE125D2-20220621DL

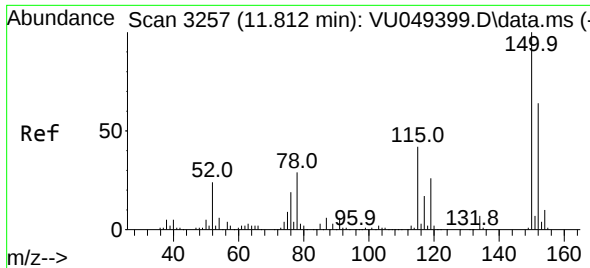
Tgt Ion:117 Resp: 418251
Ion Ratio Lower Upper
117 100
82 57.6 41.7 62.5
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 1.236 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU049516.D
Acq: 29 Jun 2022 16:35

Tgt Ion:164 Resp: 3317
Ion Ratio Lower Upper
164 100
166 138.5 100.0 150.0
129 116.6 72.0 108.0#
131 90.8 69.7 104.5

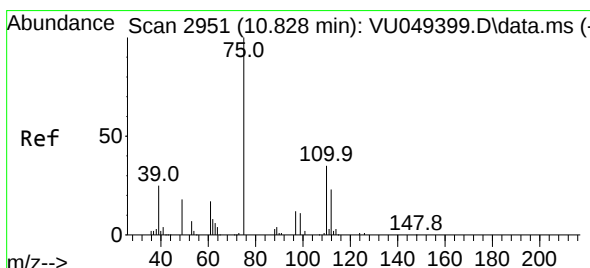
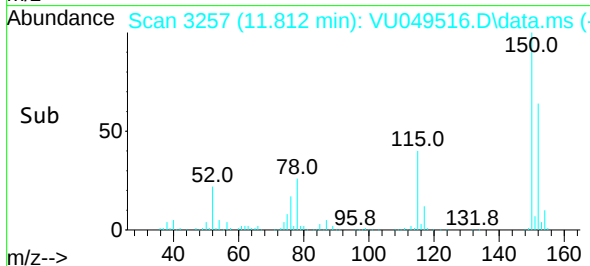
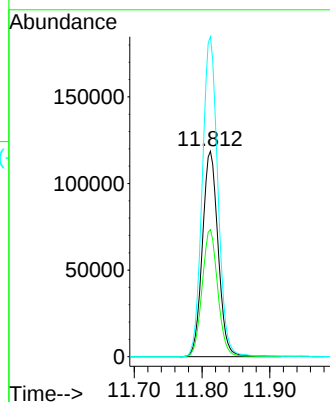
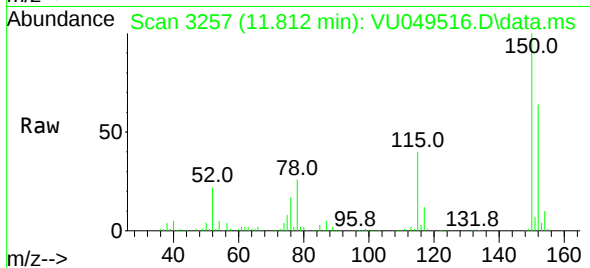




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049516.D
 Acq: 29 Jun 2022 16:35

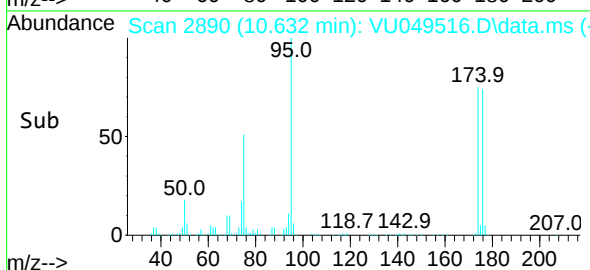
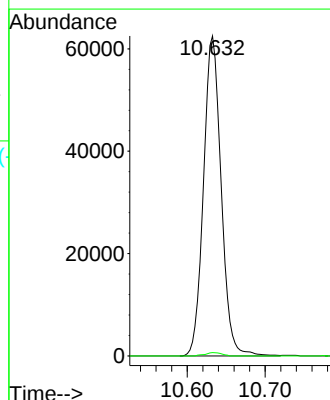
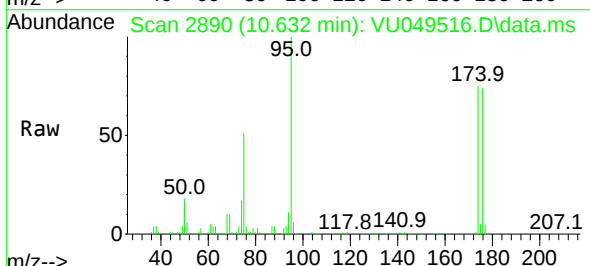
Instrument :
 MSVOA_U
 ClientSampleId :
 RE125D2-20220621DL

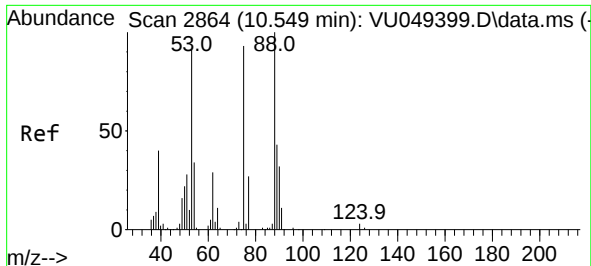
Tgt Ion:152 Resp: 190956
 Ion Ratio Lower Upper
 152 100
 115 61.5 37.0 110.9
 150 154.3 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.217 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049516.D
 Acq: 29 Jun 2022 16:35

Tgt Ion: 75 Resp: 98500
 Ion Ratio Lower Upper
 75 100
 77 1.0 15.8 47.3#

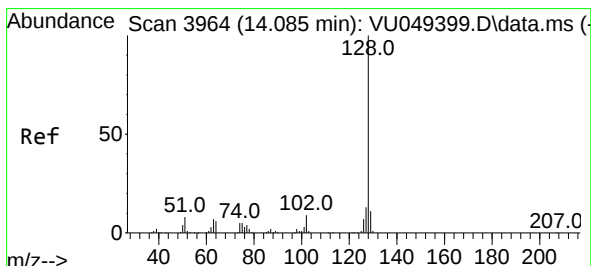
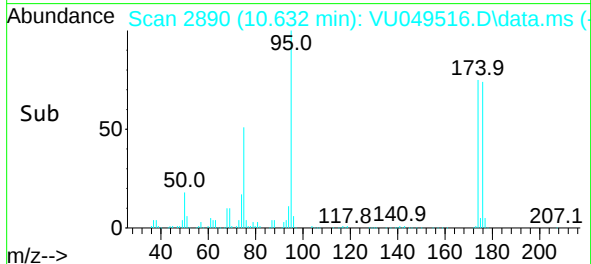
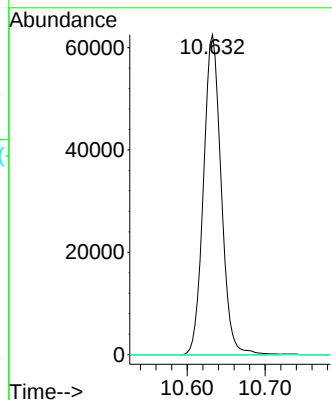
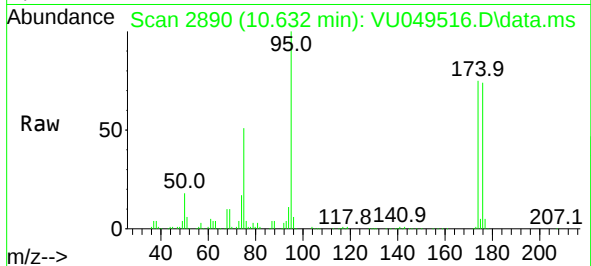




#81
trans-1,4-Dichloro-2-butene
Concen: 56.193 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049516.D
Acq: 29 Jun 2022 16:35

Instrument :
MSVOA_U
ClientSampleId :
RE125D2-20220621DL

Tgt Ion: 75 Resp: 98500
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.786 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.019 min
Lab File: VU049516.D
Acq: 29 Jun 2022 16:35

Tgt Ion: 128 Resp: 768
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

