

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049496.D
 Acq On : 29 Jun 2022 06:29
 Operator : SY/MD
 Sample : N3457-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE125D3-20220621

Quant Time: Jun 29 08:03:34 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)

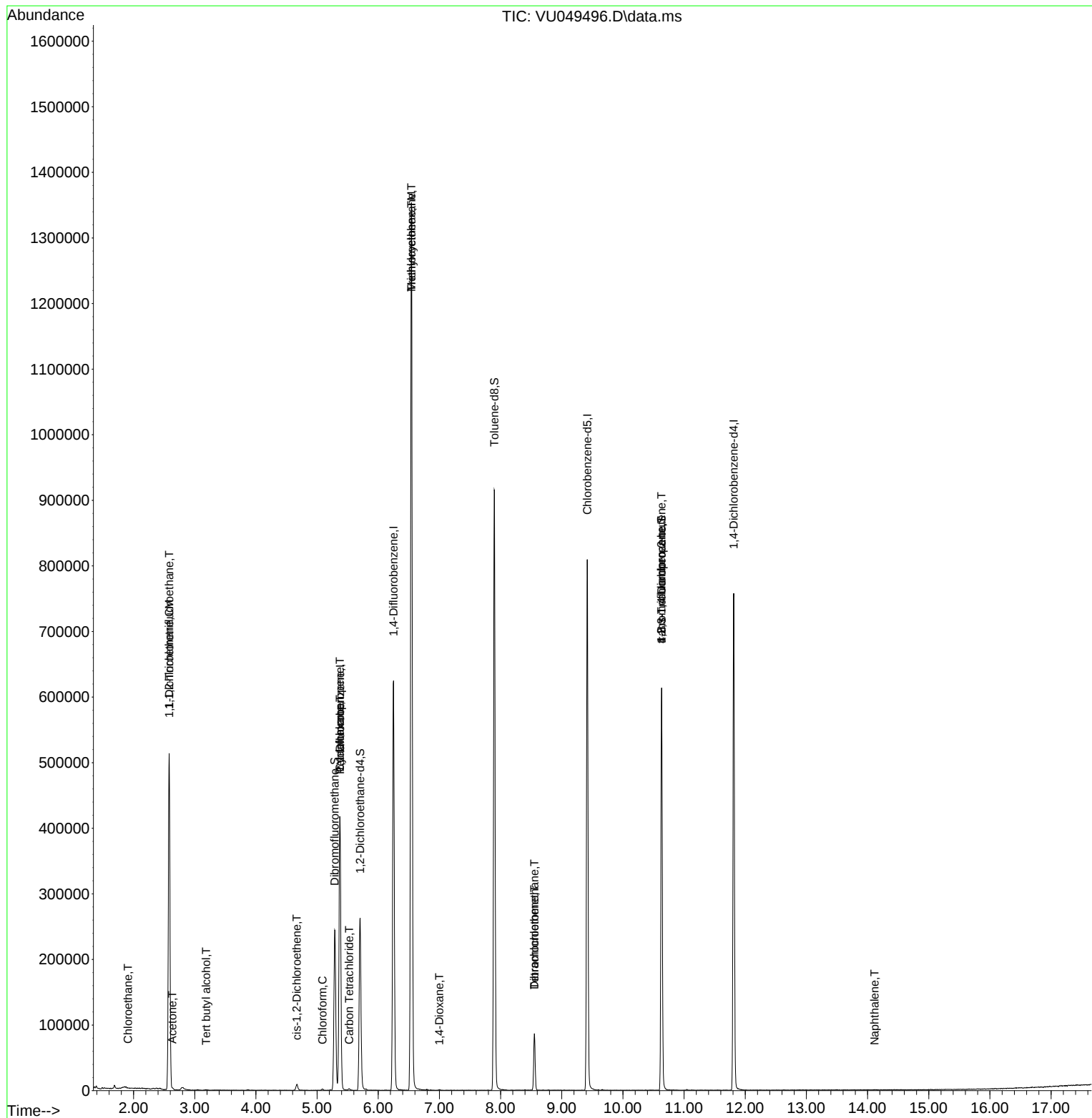
Internal Standards						
1) Pentafluorobenzene	5.375	168	295430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	510496	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	454992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	201322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	197867	43.489	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.980%		
35) Dibromofluoromethane	5.288	113	159830	44.751	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.500%		
50) Toluene-d8	7.899	98	604531	47.456	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.920%		
62) 4-Bromofluorobenzene	10.632	95	215223	44.105	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.200%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1290	Below Cal	#	86
6) Chloroethane	1.909	64	20	1.924	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.581	101	203709	62.157	ug/l	95
11) Tert butyl alcohol	3.186	59	366	0.344	ug/l #	37
12) 1,1-Dichloroethene	2.584	96	2298	0.716	ug/l	93
16) Acetone	2.636	43	2501	1.090	ug/l	88
20) Methylene Chloride	3.041	84	187	Below Cal	#	63
27) cis-1,2-Dichloroethene	4.668	96	4824	1.207	ug/l	96
30) Chloroform	5.089	83	1618	0.230	ug/l	98
31) Cyclohexane	5.372	56	5969	0.874	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	23751	4.586	ug/l #	48
38) Carbon Tetrachloride	5.523	117	1531	0.282	ug/l #	83
39) Methylcyclohexane	6.542	83	5701	0.918	ug/l #	1
44) Trichloroethene	6.542	130	456925	122.933	ug/l	87
49) 1,4-Dioxane	6.999	88	781	6.273	ug/l #	1
60) Dibromochloromethane	8.552	129	18780	4.700	ug/l #	11
64) Tetrachloroethene	8.552	164	18790	6.439	ug/l	92
76) 1,2,3-Trichloropropane	10.632	75	107129	15.697	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	107129	57.969	ug/l #	15
95) Naphthalene	14.114	128	458	1.764	ug/l #	69

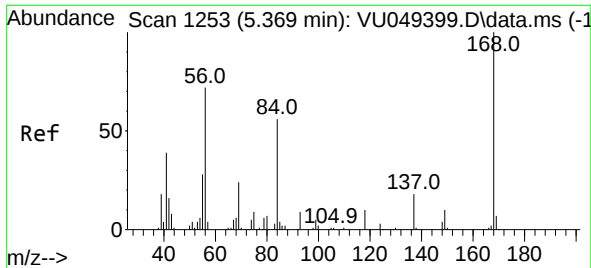
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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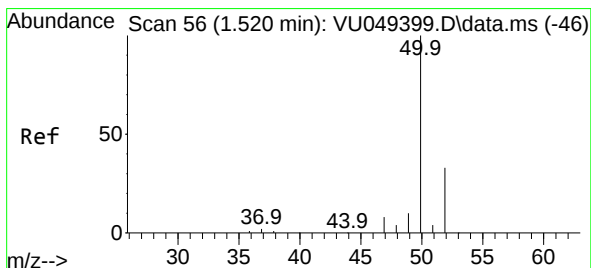
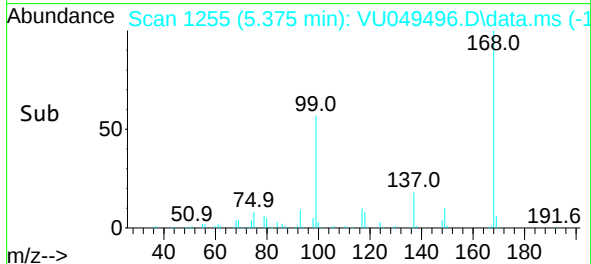
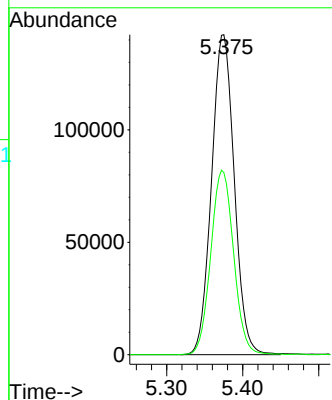
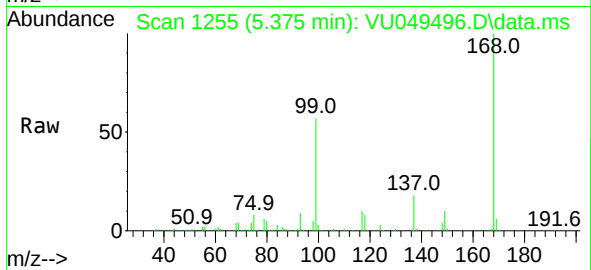




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

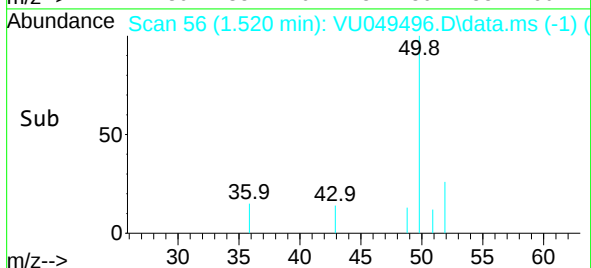
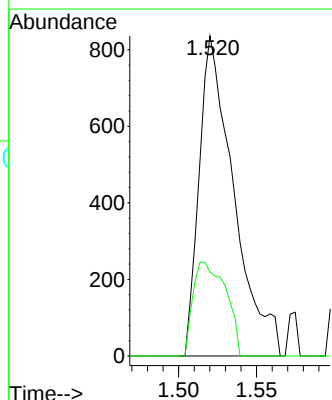
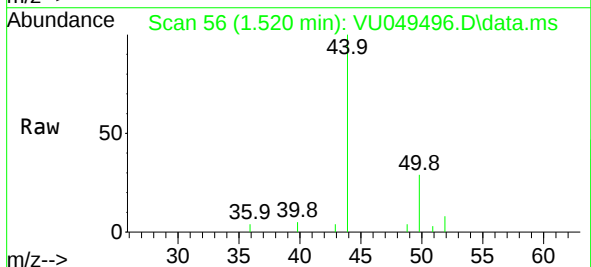
Instrument :
MSVOA_U
ClientSampleId :
RE125D3-20220621

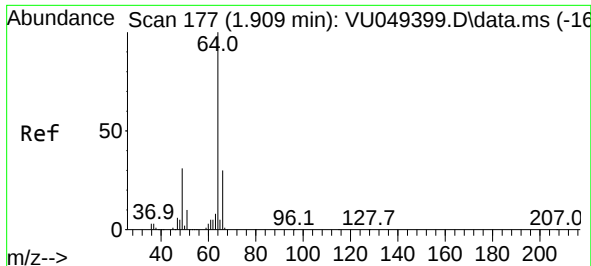
Tgt Ion:168 Resp: 295430
Ion Ratio Lower Upper
168 100
99 56.8 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

Tgt Ion: 50 Resp: 1290
Ion Ratio Lower Upper
50 100
52 26.2 27.4 41.2#

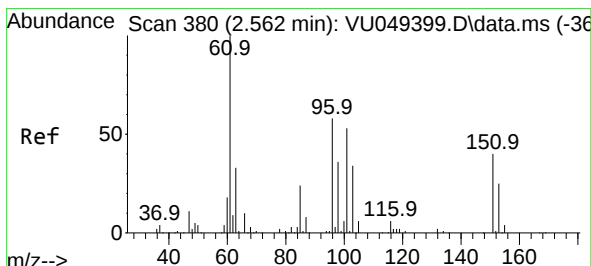
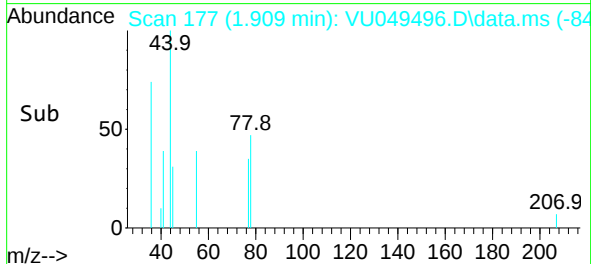
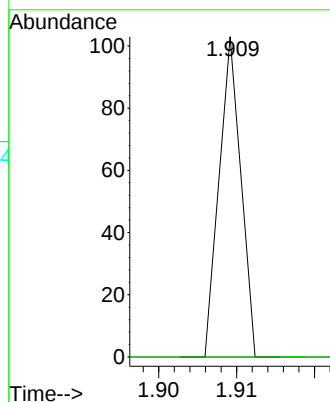
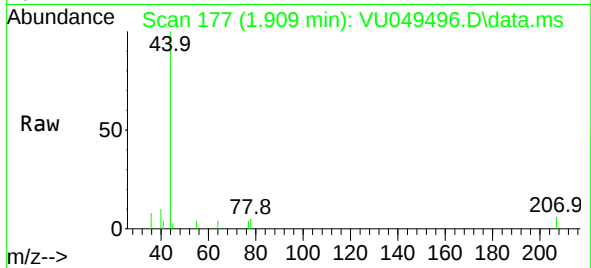




#6
Chloroethane
Concen: 1.924 ug/l
RT: 1.909 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

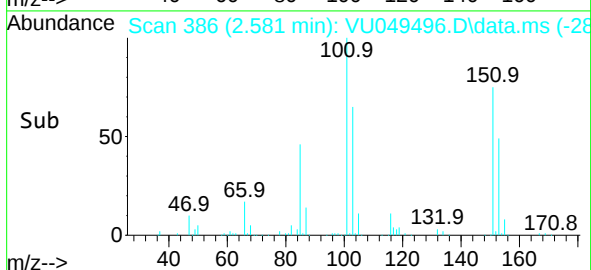
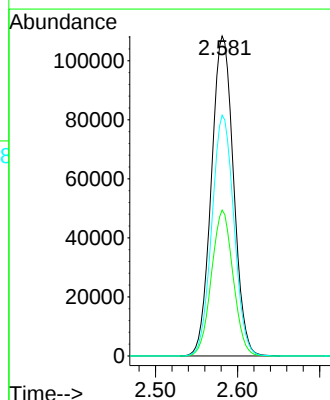
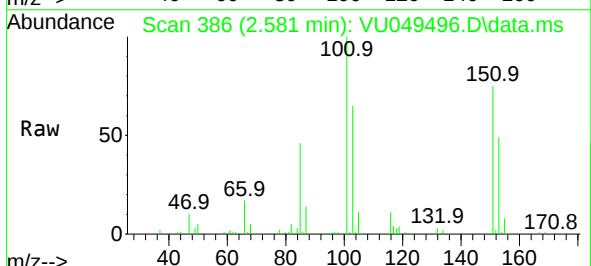
Instrument :
MSVOA_U
ClientSampleId :
RE125D3-20220621

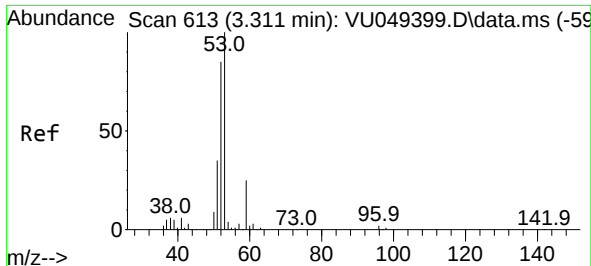
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 62.157 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.019 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

Tgt Ion:101 Resp: 203709
Ion Ratio Lower Upper
101 100
85 44.4 33.9 50.9
151 74.9 64.0 96.0





#11

Tert butyl alcohol

Concen: 0.344 ug/l

RT: 3.186 min Scan# 51

Delta R.T. -0.125 min

Lab File: VU049496.D

Acq: 29 Jun 2022 06:29

Instrument :

MSVOA_U

ClientSampleId :

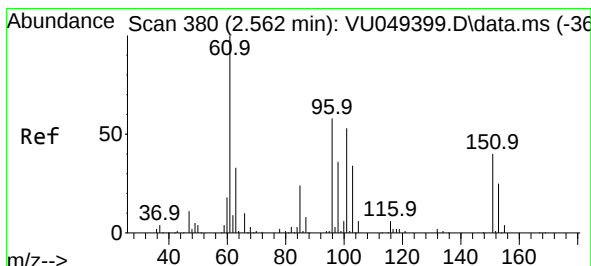
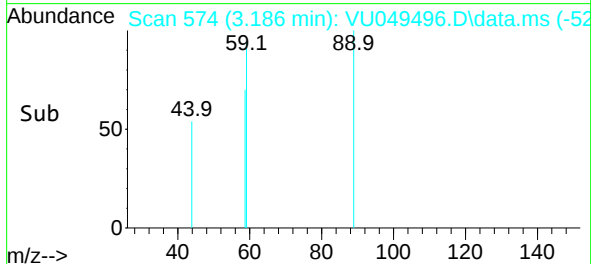
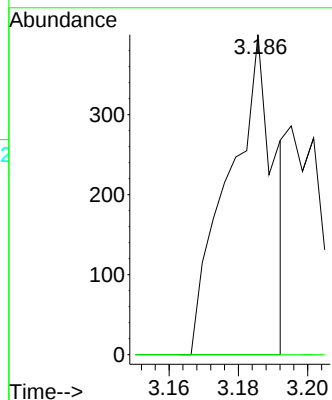
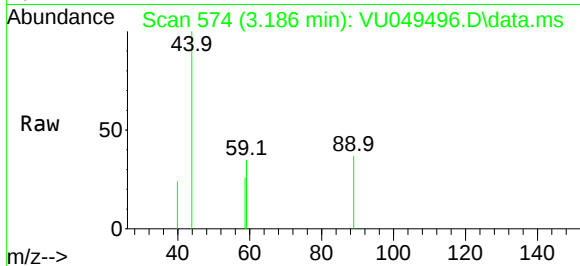
RE125D3-20220621

Tgt Ion: 59 Resp: 366

Ion Ratio Lower Upper

59 100

57 0.0 30.6 45.8#



#12

1,1-Dichloroethene

Concen: 0.716 ug/l

RT: 2.584 min Scan# 387

Delta R.T. 0.023 min

Lab File: VU049496.D

Acq: 29 Jun 2022 06:29

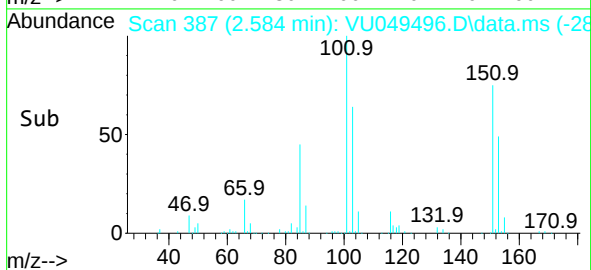
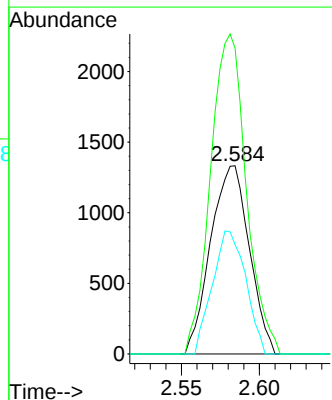
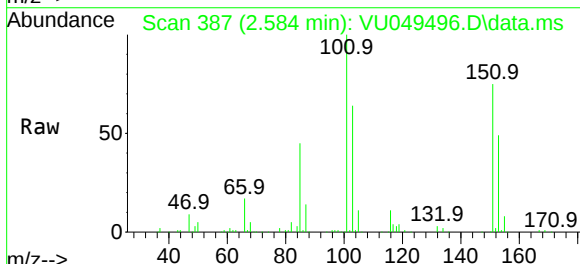
Tgt Ion: 96 Resp: 2298

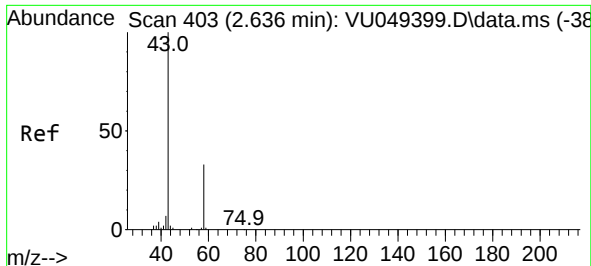
Ion Ratio Lower Upper

96 100

61 162.4 122.2 183.2

98 58.1 50.7 76.1





#16

Acetone

Concen: 1.090 ug/l

RT: 2.636 min Scan# 403

Delta R.T. 0.000 min

Lab File: VU049496.D

Acq: 29 Jun 2022 06:29

Instrument :

MSVOA_U

ClientSampleId :

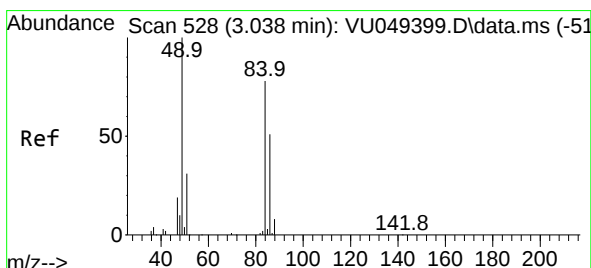
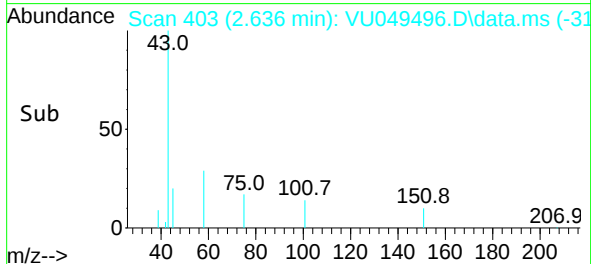
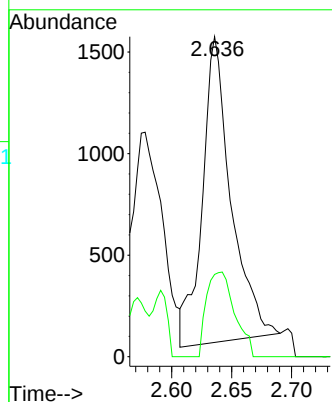
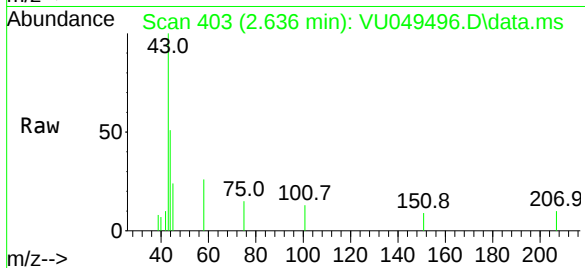
RE125D3-20220621

Tgt Ion: 43 Resp: 2501

Ion Ratio Lower Upper

43 100

58 27.7 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 3.041 min Scan# 529

Delta R.T. 0.003 min

Lab File: VU049496.D

Acq: 29 Jun 2022 06:29

Tgt Ion: 84 Resp: 187

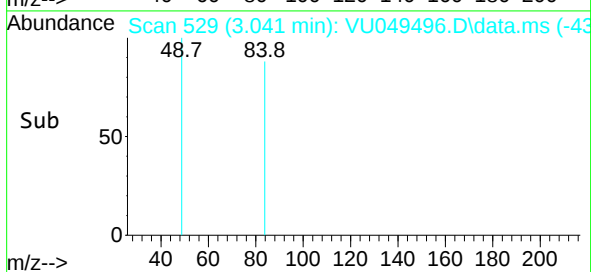
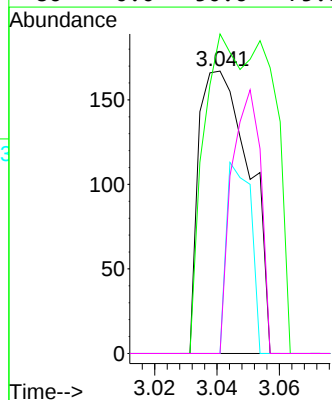
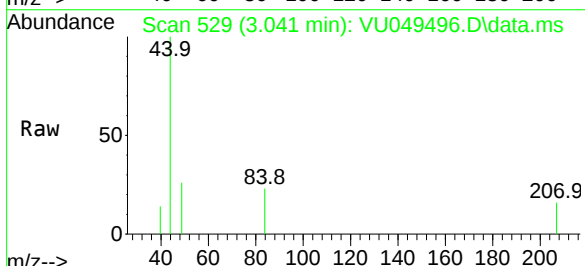
Ion Ratio Lower Upper

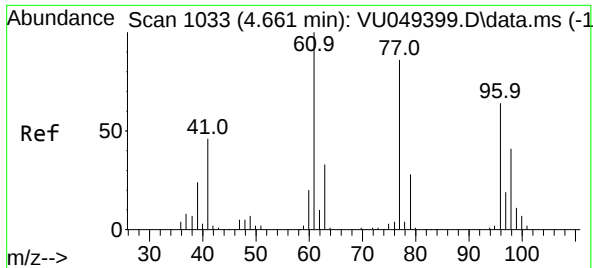
84 100

49 113.2 86.6 129.8

51 0.0 26.6 40.0#

86 0.0 50.6 75.8#

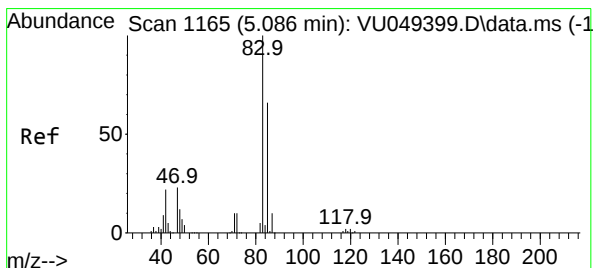
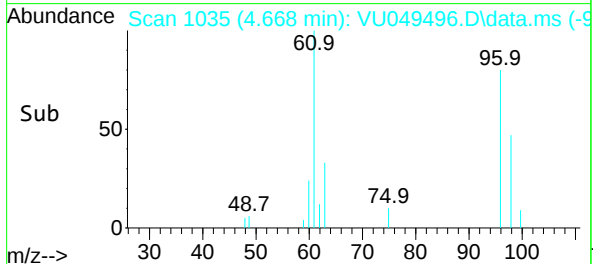
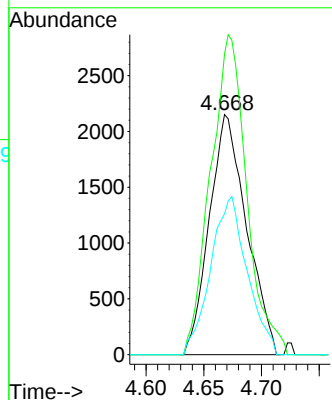
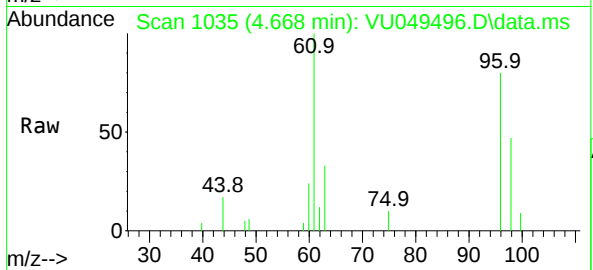




#27
 cis-1,2-Dichloroethene
 Concen: 1.207 ug/l
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.006 min
 Lab File: VU049496.D
 Acq: 29 Jun 2022 06:29

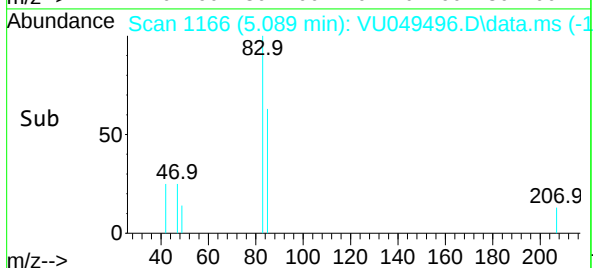
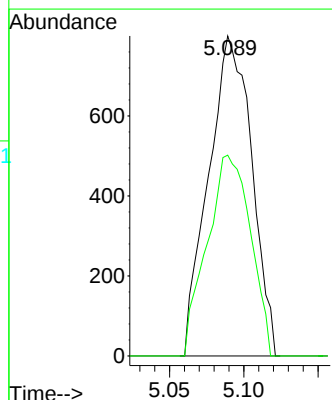
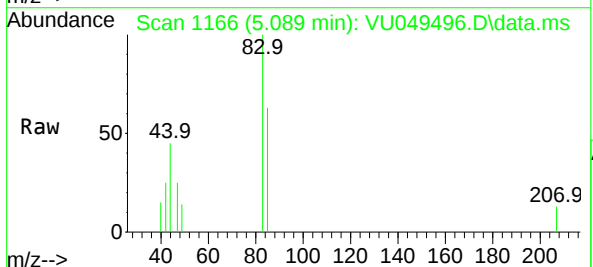
Instrument :
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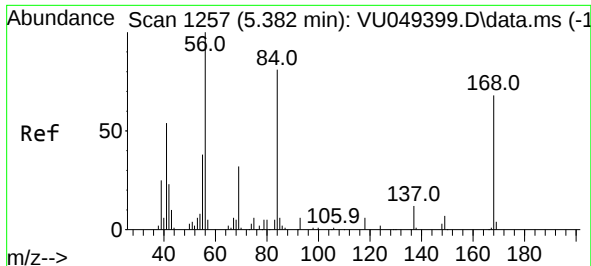
Tgt Ion: 96 Resp: 4824
 Ion Ratio Lower Upper
 96 100
 61 129.4 0.0 271.6
 98 64.6 0.0 128.2



#30
 Chloroform
 Concen: 0.230 ug/l
 RT: 5.089 min Scan# 1166
 Delta R.T. 0.003 min
 Lab File: VU049496.D
 Acq: 29 Jun 2022 06:29

Tgt Ion: 83 Resp: 1618
 Ion Ratio Lower Upper
 83 100
 85 62.7 51.2 76.8





#31

Cyclohexane

Concen: 0.874 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.010 min

Lab File: VU049496.D

Acq: 29 Jun 2022 06:29

Instrument :

MSVOA_U

ClientSampleId :

RE125D3-20220621

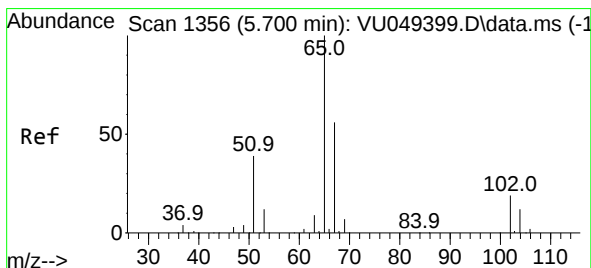
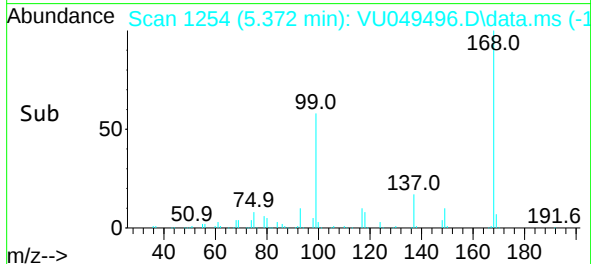
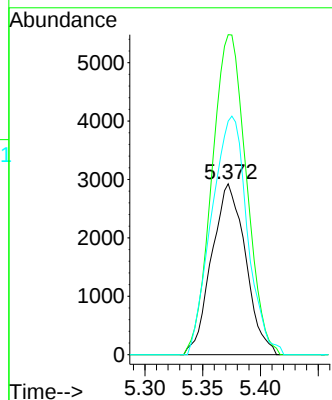
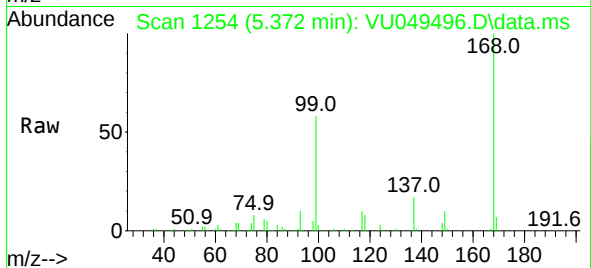
Tgt Ion: 56 Resp: 5969

Ion Ratio Lower Upper

56 100

69 187.3 27.8 41.8#

84 136.7 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 43.489 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU049496.D

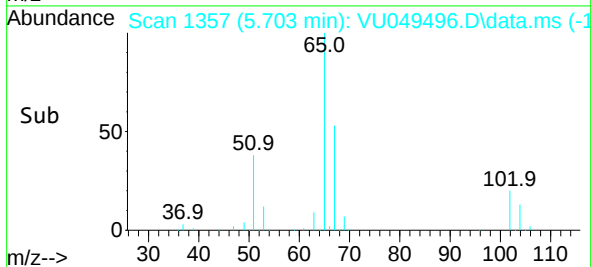
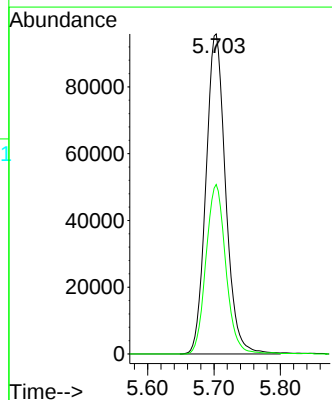
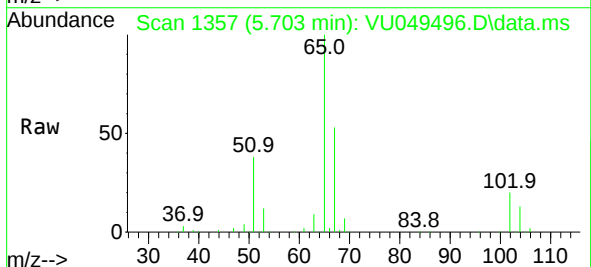
Acq: 29 Jun 2022 06:29

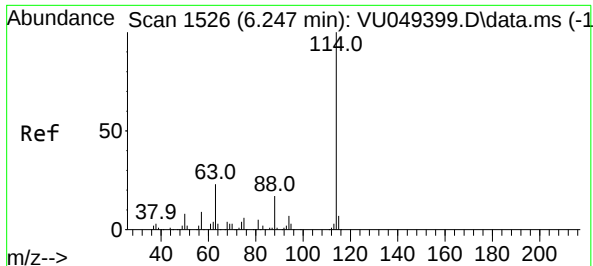
Tgt Ion: 65 Resp: 197867

Ion Ratio Lower Upper

65 100

67 53.1 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: VU049496.D

Acq: 29 Jun 2022 06:29

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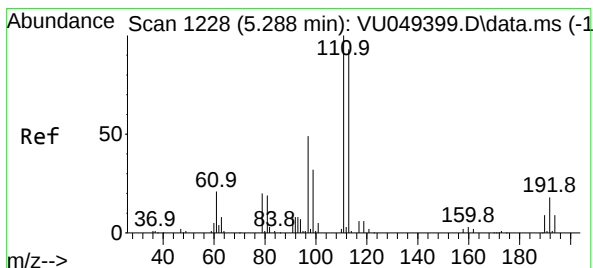
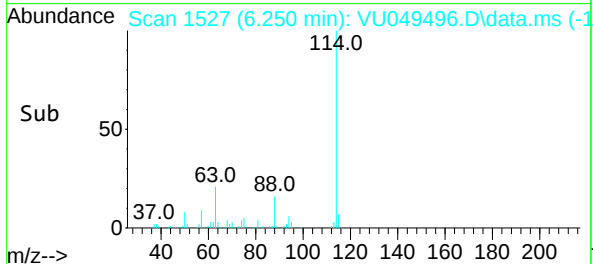
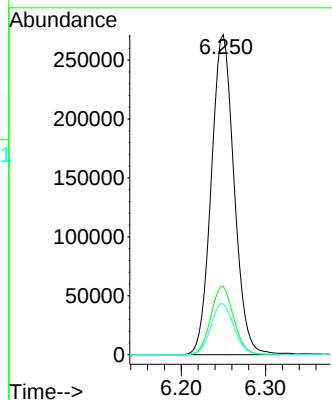
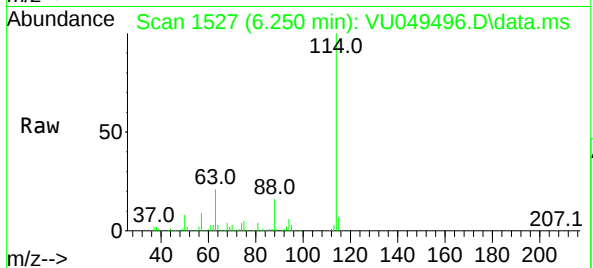
Tgt Ion:114 Resp: 510496

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

88 15.9 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.751 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049496.D

Acq: 29 Jun 2022 06:29

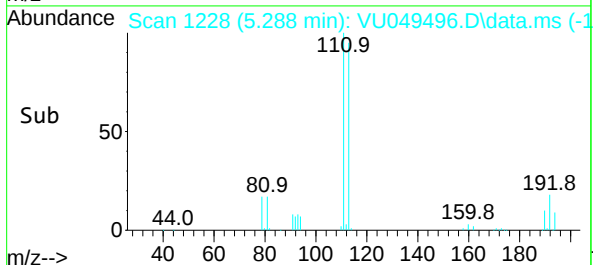
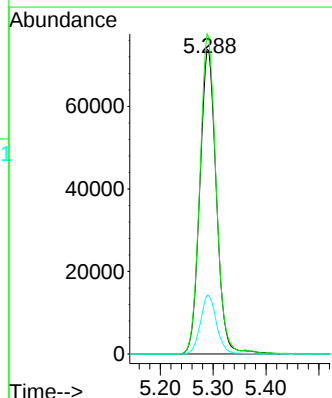
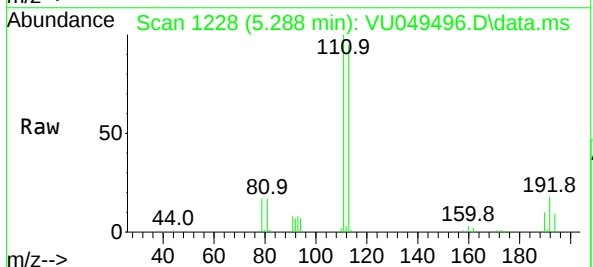
Tgt Ion:113 Resp: 159830

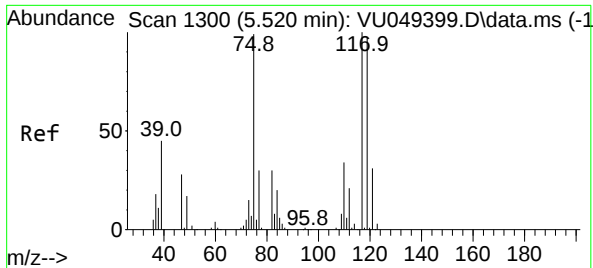
Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

192 18.9 18.0 27.0

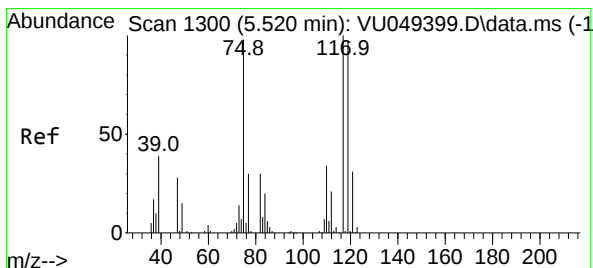
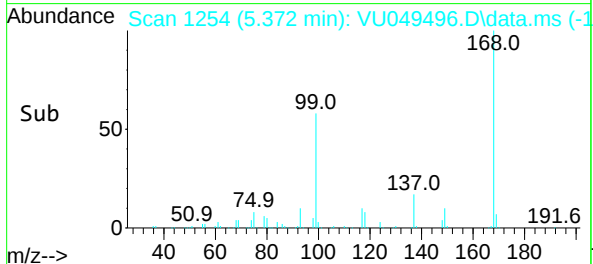
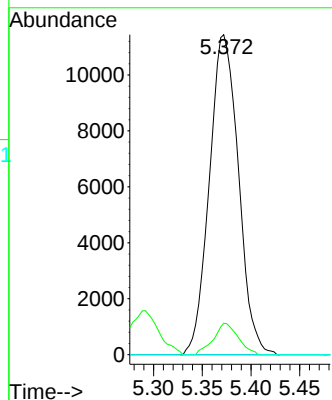
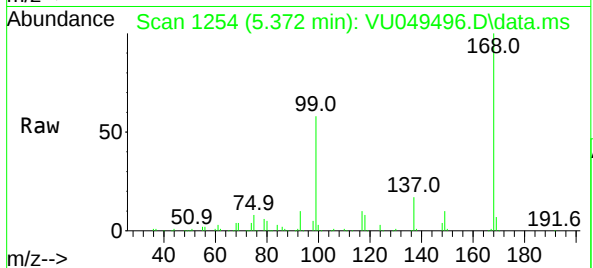




#36
1,1-Dichloropropene
Concen: 4.586 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

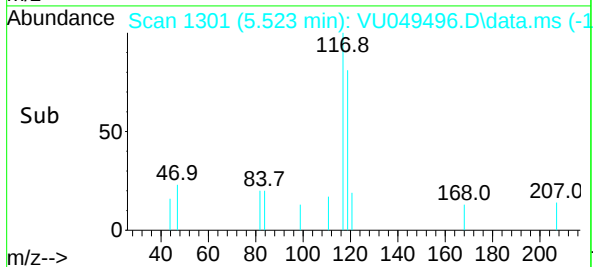
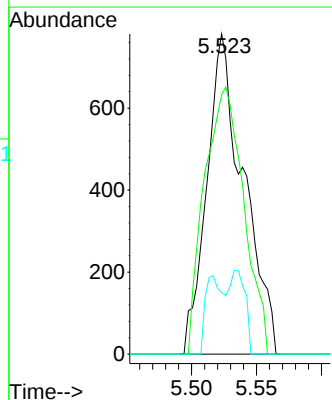
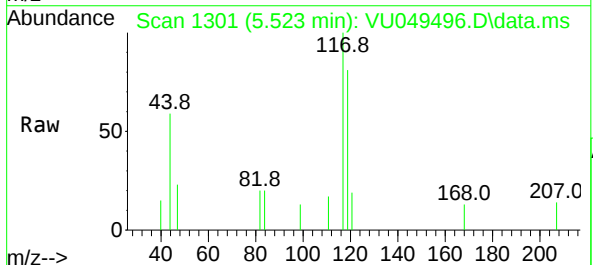
Instrument :
MSVOA_U
ClientSampleId :
RE125D3-20220621

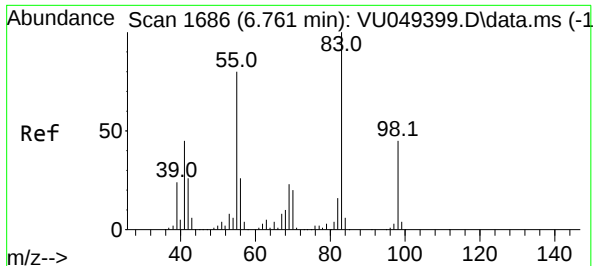
Tgt Ion: 75 Resp: 23751
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 0.282 ug/l
RT: 5.523 min Scan# 1301
Delta R.T. 0.003 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

Tgt Ion: 117 Resp: 1531
Ion Ratio Lower Upper
117 100
119 81.0 76.8 115.2
121 19.2 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.918 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. -0.219 min

Lab File: VU049496.D

Acq: 29 Jun 2022 06:29

Instrument :

MSVOA_U

ClientSampleId :

RE125D3-20220621

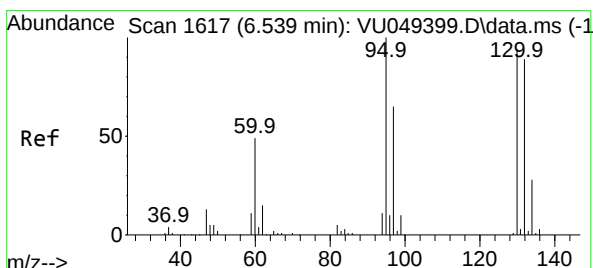
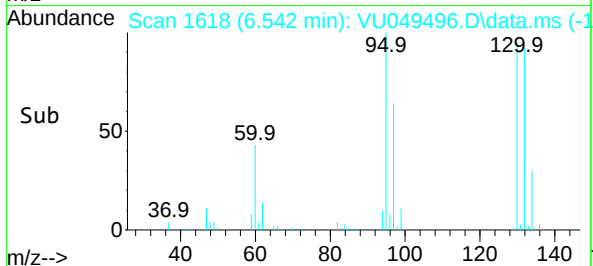
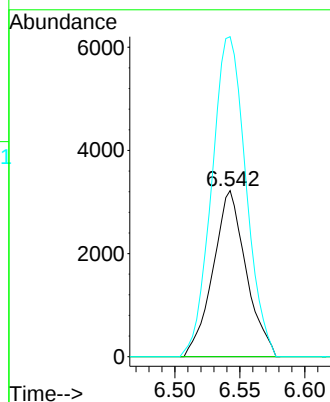
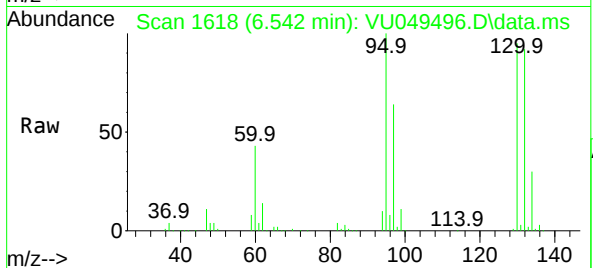
Tgt Ion: 83 Resp: 5701

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 192.7 37.3 55.9#



#44

Trichloroethene

Concen: 122.933 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049496.D

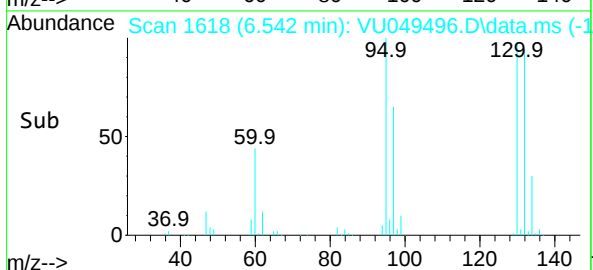
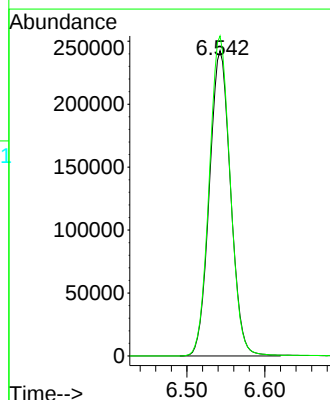
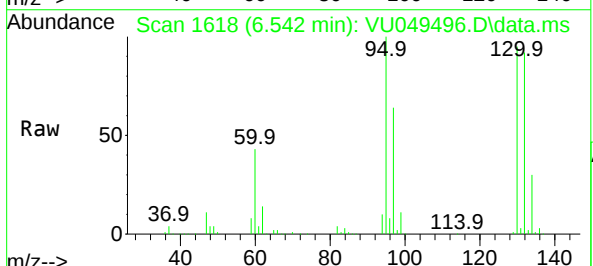
Acq: 29 Jun 2022 06:29

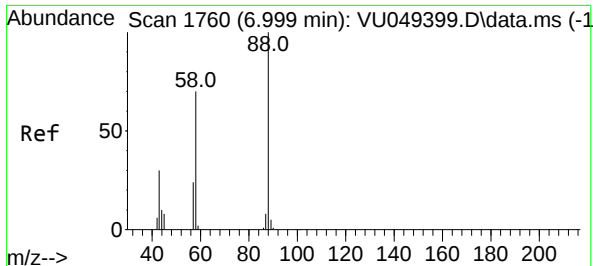
Tgt Ion:130 Resp: 456925

Ion Ratio Lower Upper

130 100

95 104.8 0.0 184.6





#49

1,4-Dioxane

Concen: 6.273 ug/l

RT: 6.999 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049496.D

Acq: 29 Jun 2022 06:29

Instrument :

MSVOA_U

ClientSampleId :

RE125D3-20220621

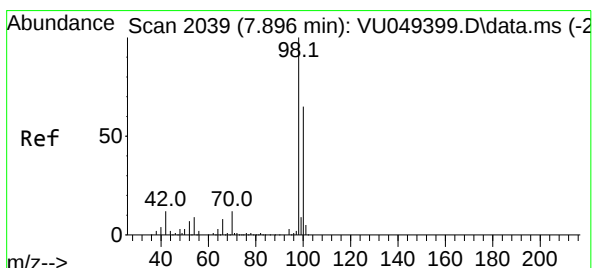
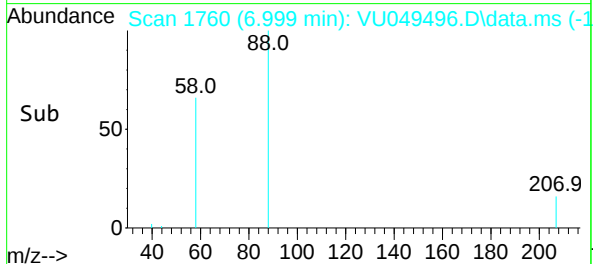
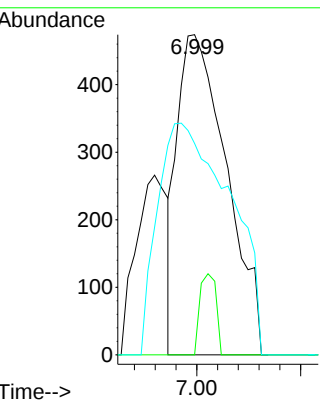
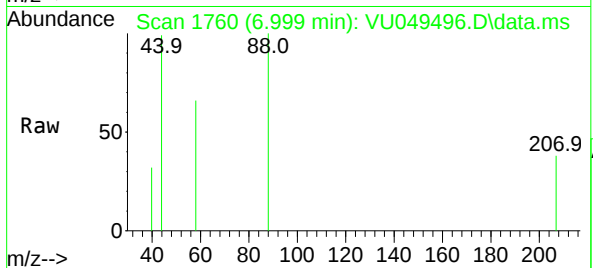
Tgt Ion: 88 Resp: 781

Ion Ratio Lower Upper

88 100

43 8.3 0.0 0.0#

58 106.4 15.4 23.0#



#50

Toluene-d8

Concen: 47.456 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.003 min

Lab File: VU049496.D

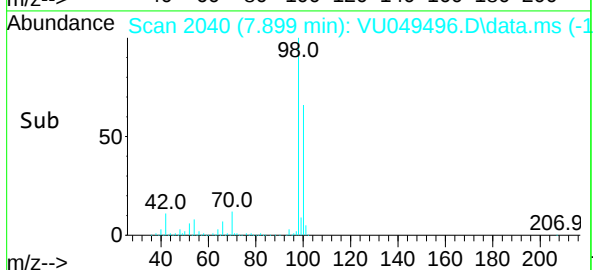
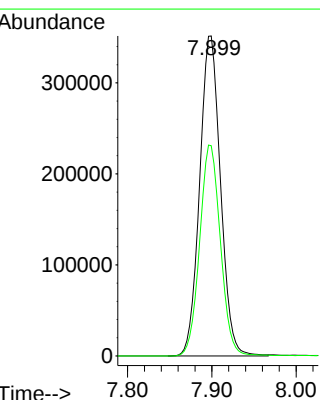
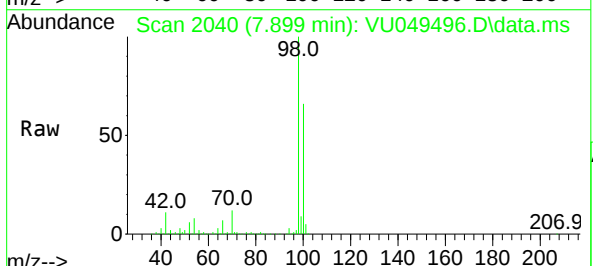
Acq: 29 Jun 2022 06:29

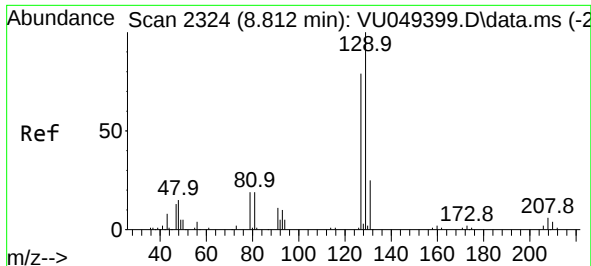
Tgt Ion: 98 Resp: 604531

Ion Ratio Lower Upper

98 100

100 65.6 51.7 77.5

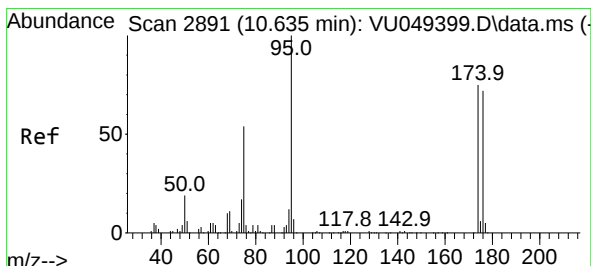
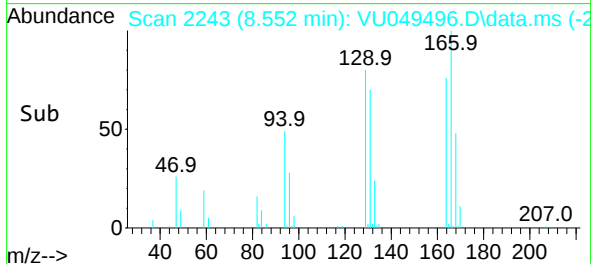
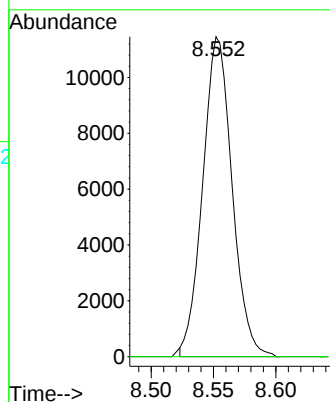
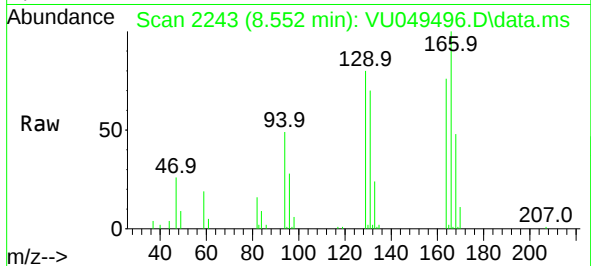




#60
Dibromochloromethane
Concen: 4.700 ug/l
RT: 8.552 min Scan# 21
Delta R.T. -0.260 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

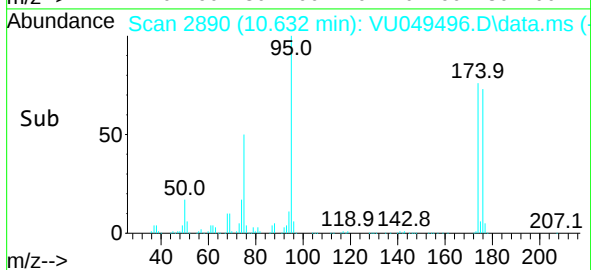
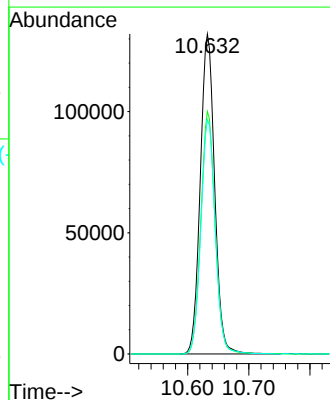
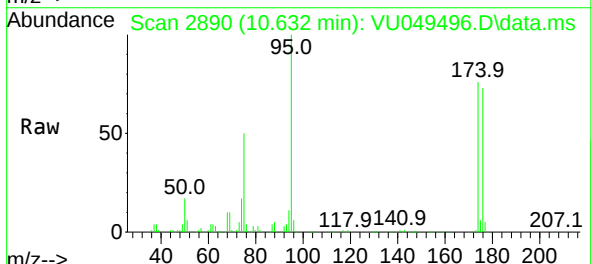
Instrument :
MSVOA_U
ClientSampleId :
RE125D3-20220621

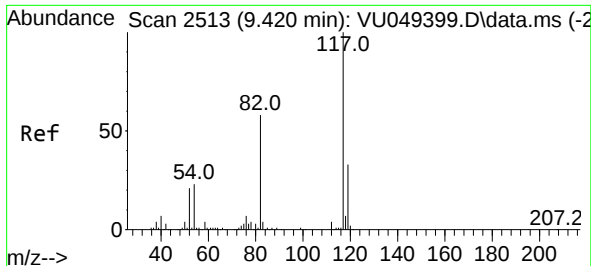
Tgt Ion:129 Resp: 18780
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 44.105 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

Tgt Ion: 95 Resp: 215223
Ion Ratio Lower Upper
95 100
174 75.2 0.0 182.0
176 73.3 0.0 177.8

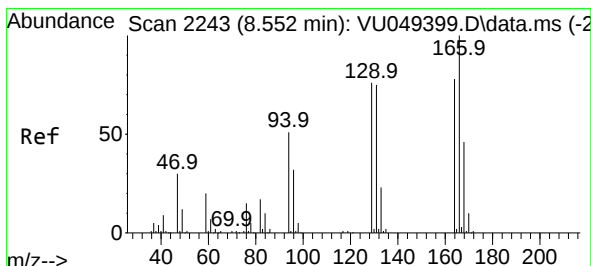
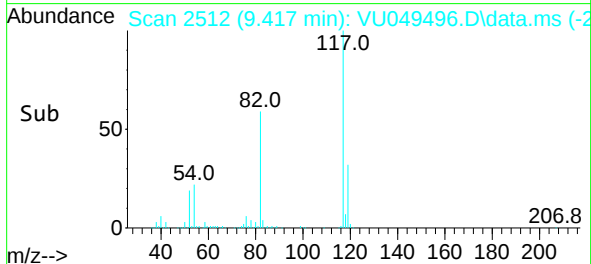
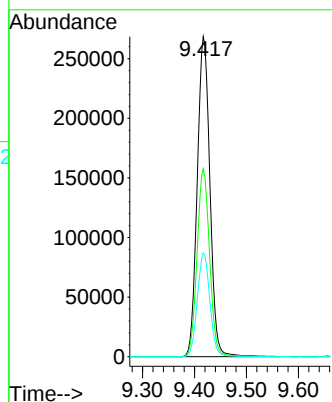
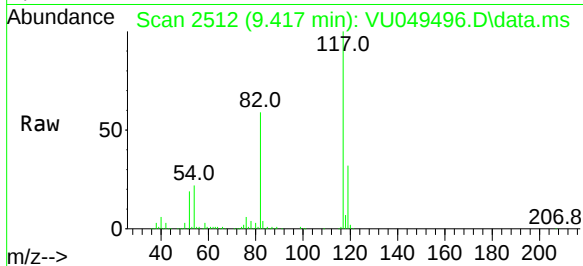




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

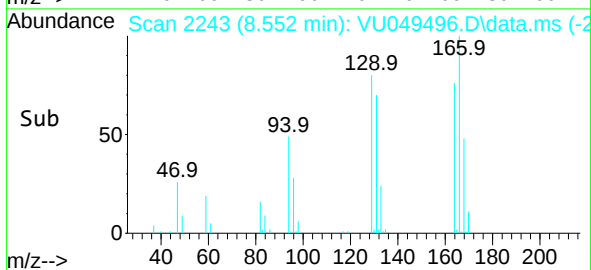
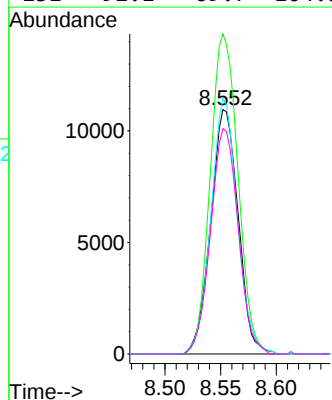
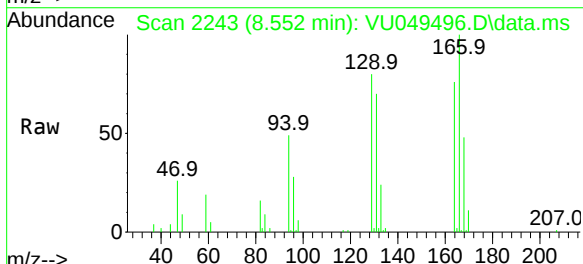
Instrument :
MSVOA_U
ClientSampleId :
RE125D3-20220621

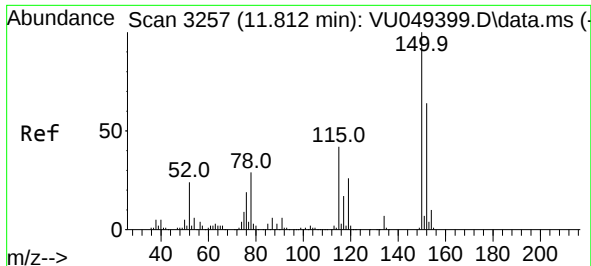
Tgt Ion:117 Resp: 454992
Ion Ratio Lower Upper
117 100
82 58.7 41.7 62.5
119 32.4 25.7 38.5



#64
Tetrachloroethene
Concen: 6.439 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

Tgt Ion:164 Resp: 18790
Ion Ratio Lower Upper
164 100
166 130.9 100.0 150.0
129 104.5 72.0 108.0
131 92.1 69.7 104.5

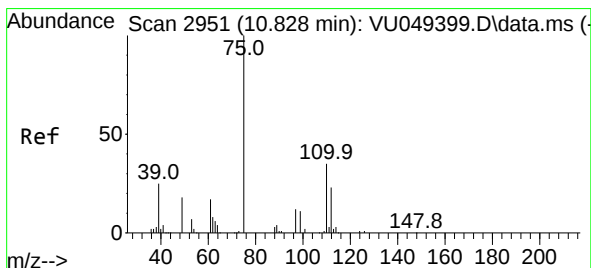
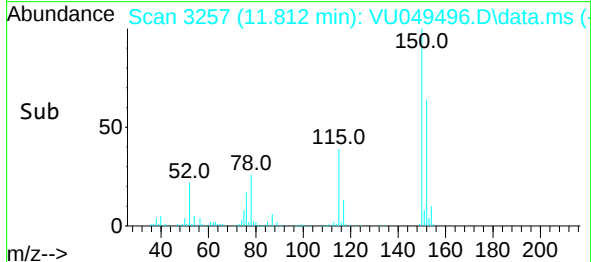
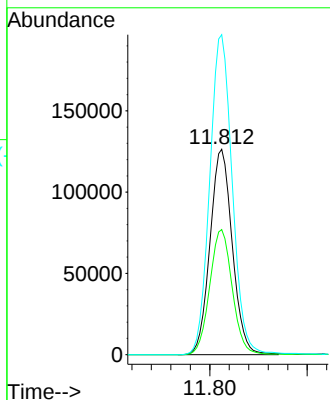
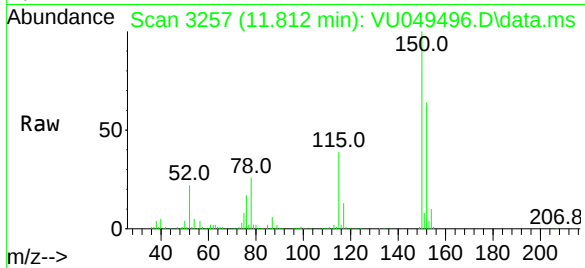




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

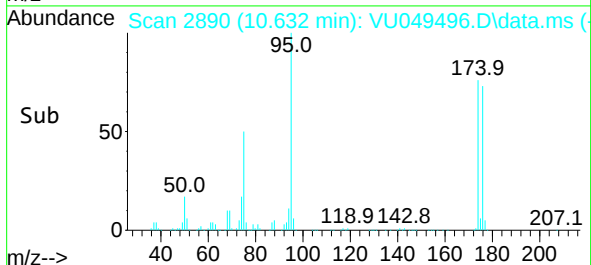
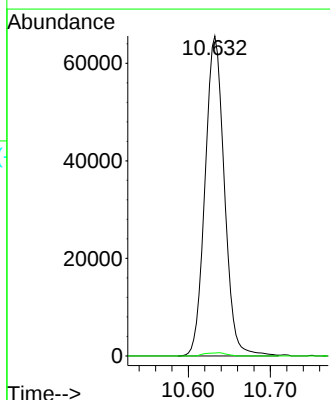
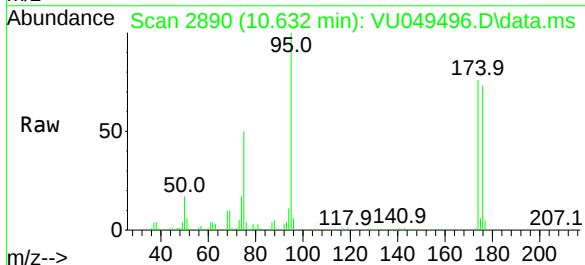
Instrument :
MSVOA_U
ClientSampleId :
RE125D3-20220621

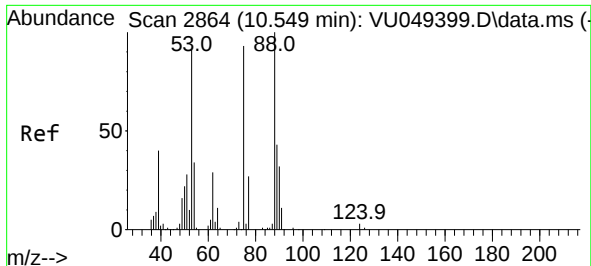
Tgt Ion:152 Resp: 201322
Ion Ratio Lower Upper
152 100
115 61.3 37.0 110.9
150 157.0 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 15.697 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

Tgt Ion: 75 Resp: 107129
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#

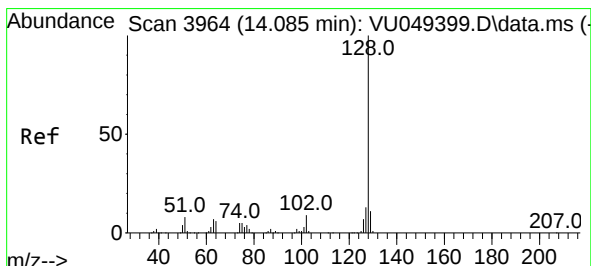
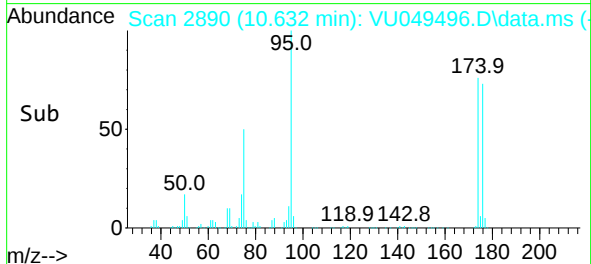
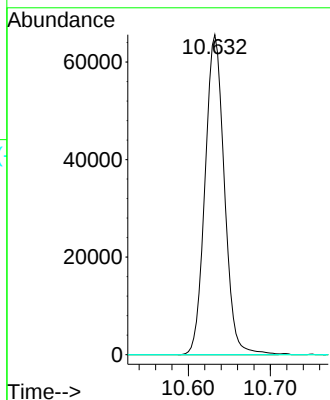
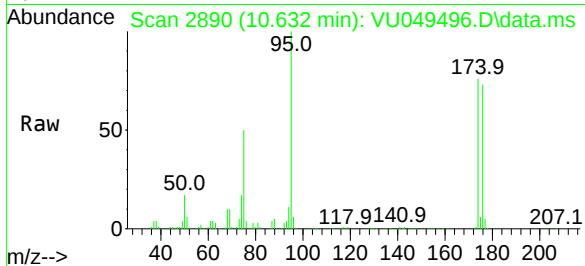




#81
trans-1,4-Dichloro-2-butene
Concen: 57.969 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

Instrument :
MSVOA_U
ClientSampleId :
RE125D3-20220621

Tgt Ion: 75 Resp: 107129
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.764 ug/l
RT: 14.114 min Scan# 3973
Delta R.T. 0.029 min
Lab File: VU049496.D
Acq: 29 Jun 2022 06:29

Tgt Ion: 128 Resp: 458
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

