

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049494.D
 Acq On : 29 Jun 2022 05:42
 Operator : SY/MD
 Sample : N3457-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

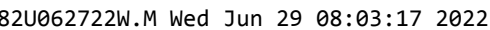
Instrument :
 MSVOA_U
 ClientSampleId :
 RE125D1-20220621

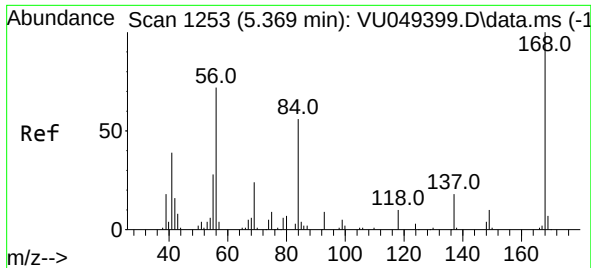
Quant Time: Jun 29 08:03:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.372	168	298080	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	514107	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	452960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	193347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	199426	43.442	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.880%
35) Dibromofluoromethane	5.289	113	161623	44.935	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.860%
50) Toluene-d8	7.899	98	614553	47.904	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.800%
62) 4-Bromofluorobenzene	10.632	95	214508	43.649	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.300%
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	1333	Below Cal		97
6) Chloroethane	1.922	64	85	1.952	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.578	101	13247	4.006	ug/l	96
12) 1,1-Dichloroethene	2.578	96	2780	0.859	ug/l	92
16) Acetone	2.646	43	2355	1.017	ug/l #	83
19) Methyl tert-butyl Ether	3.366	73	6314	0.524	ug/l	100
20) Methylene Chloride	3.047	84	204	Below Cal	#	11
24) 1,1-Dichloroethane	3.867	63	4517	0.629	ug/l #	91
27) cis-1,2-Dichloroethene	4.668	96	10615	2.632	ug/l	99
30) Chloroform	5.089	83	3686	0.519	ug/l #	76
31) Cyclohexane	5.372	56	6129	0.889	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	23992	4.600	ug/l #	49
38) Carbon Tetrachloride	5.372	117	29966	5.479	ug/l #	16
39) Methylcyclohexane	6.543	83	7344	1.175	ug/l #	1
44) Trichloroethene	6.543	130	591970	158.148	ug/l	87
45) 1,2-Dichloropropane	6.539	63	2181	0.500	ug/l #	1
49) 1,4-Dioxane	7.005	88	2562	20.435	ug/l #	62
60) Dibromochloromethane	8.552	129	27084	6.731	ug/l #	11
64) Tetrachloroethene	8.552	164	27682	9.528	ug/l	93
76) 1,2,3-Trichloropropane	10.632	75	106542	16.255	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	106542	60.029	ug/l #	15
95) Naphthalene	14.118	128	417	1.763	ug/l #	69

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

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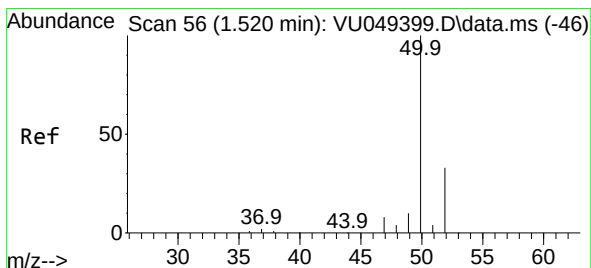
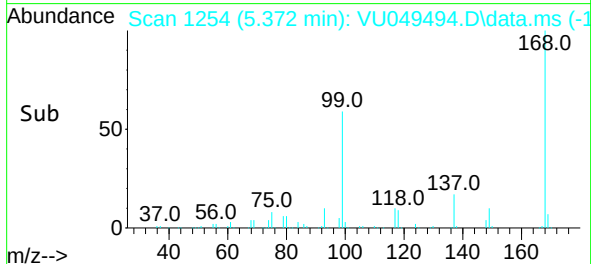
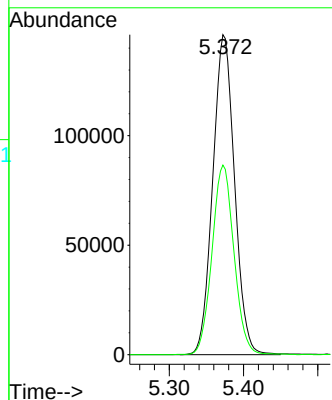
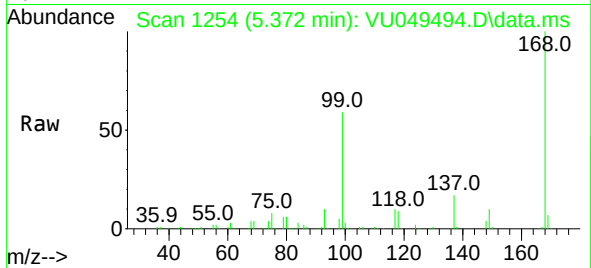




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

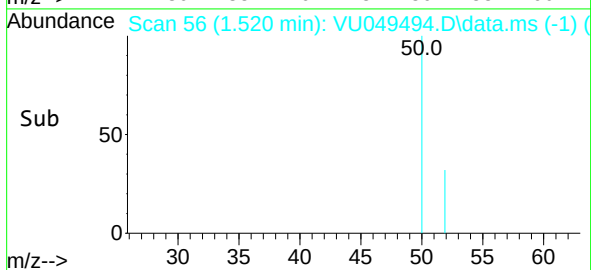
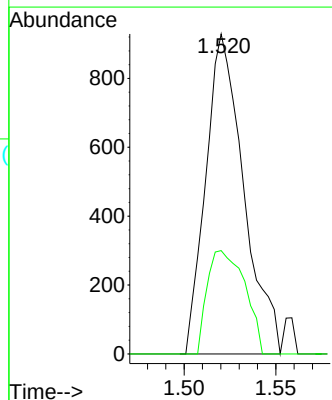
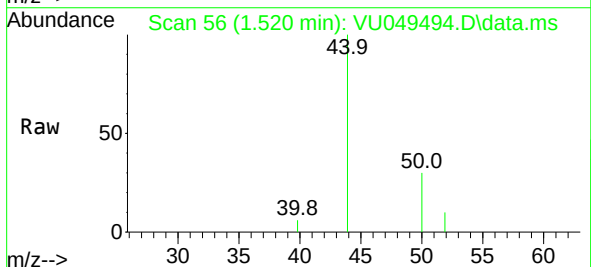
Instrument :
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RE125D1-20220621

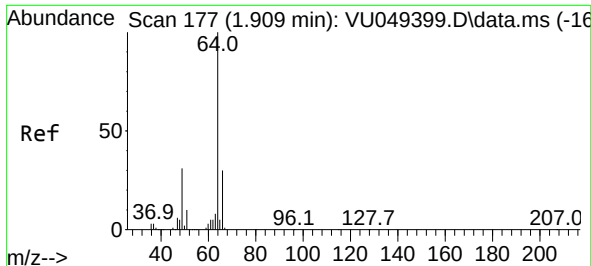
Tgt Ion:168 Resp: 298080
Ion Ratio Lower Upper
168 100
99 59.2 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

Tgt Ion: 50 Resp: 1333
Ion Ratio Lower Upper
50 100
52 32.3 27.4 41.2

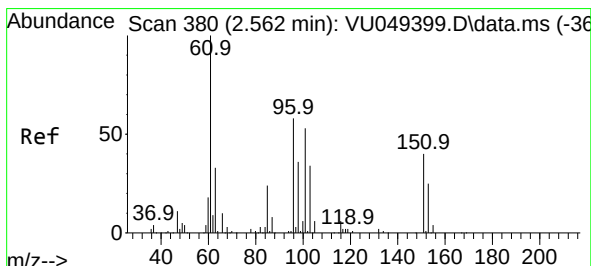
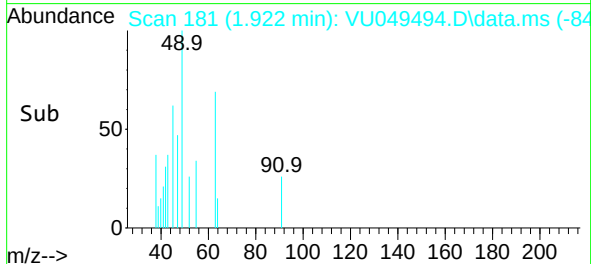
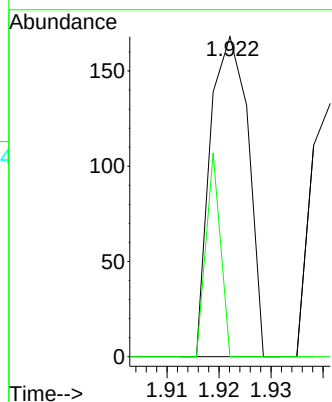
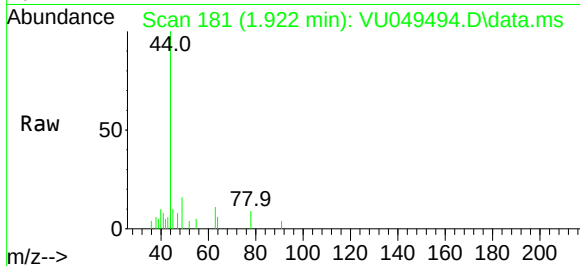




#6
Chloroethane
Concen: 1.952 ug/l
RT: 1.922 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

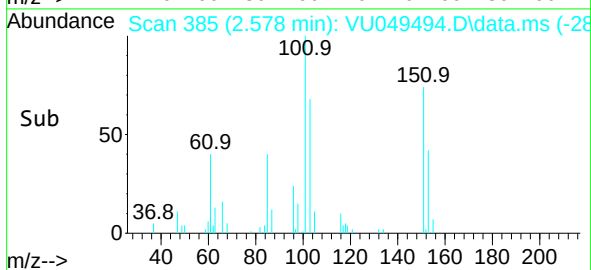
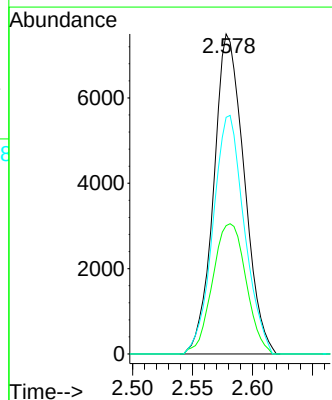
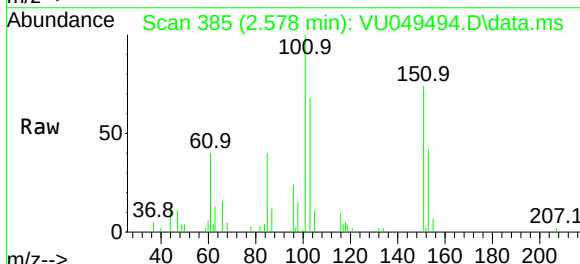
Instrument :
MSVOA_U
ClientSampleId :
RE125D1-20220621

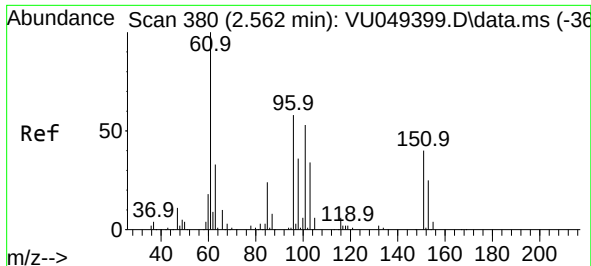
Tgt Ion: 64 Resp: 85
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.006 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

Tgt Ion: 101 Resp: 13247
Ion Ratio Lower Upper
101 100
85 44.7 33.9 50.9
151 76.6 64.0 96.0





#12

1,1-Dichloroethene

Concen: 0.859 ug/l

RT: 2.578 min Scan# 31

Delta R.T. 0.016 min

Lab File: VU049494.D

Acq: 29 Jun 2022 05:42

Instrument :

MSVOA_U

ClientSampleId :

RE125D1-20220621

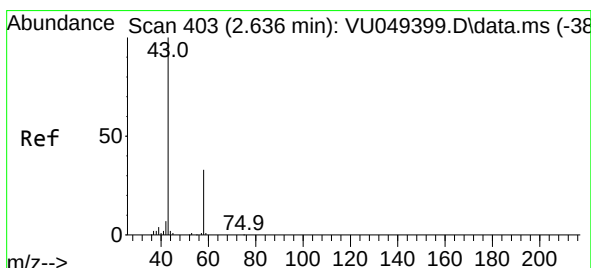
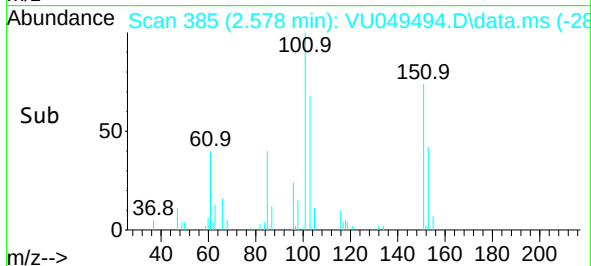
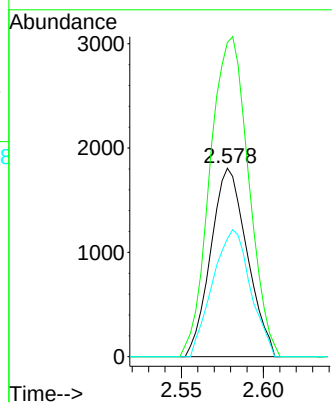
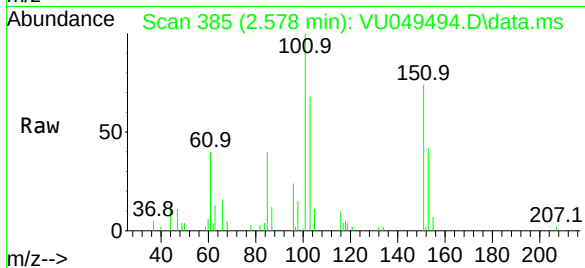
Tgt Ion: 96 Resp: 2780

Ion Ratio Lower Upper

96 100

61 166.7 122.2 183.2

98 62.5 50.7 76.1



#16

Acetone

Concen: 1.017 ug/l

RT: 2.646 min Scan# 406

Delta R.T. 0.010 min

Lab File: VU049494.D

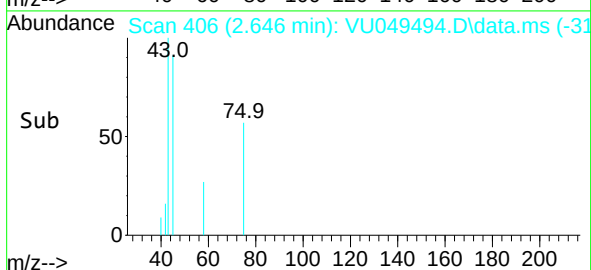
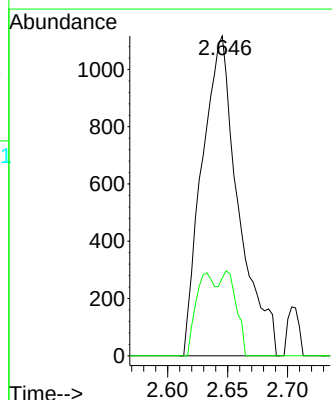
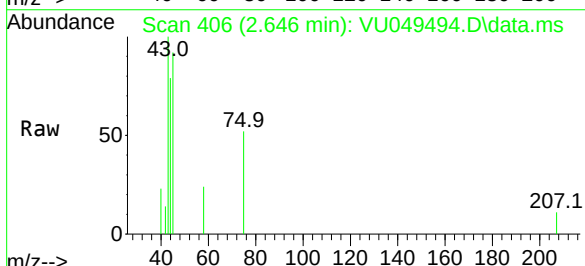
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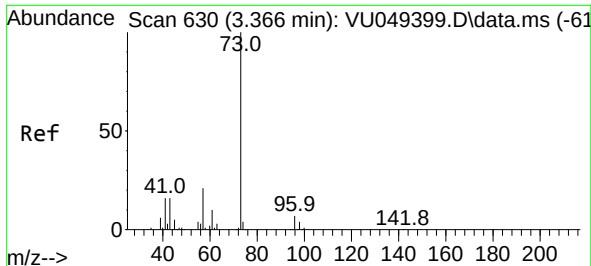
Tgt Ion: 43 Resp: 2355

Ion Ratio Lower Upper

43 100

58 24.4 27.5 41.3#

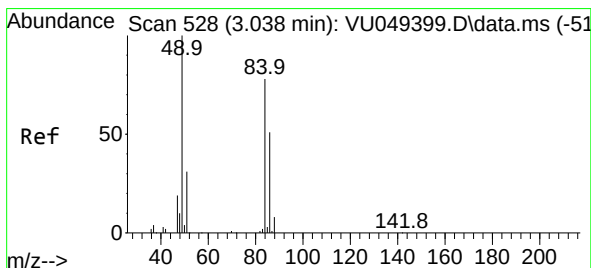
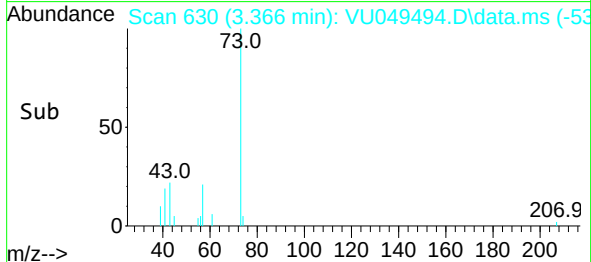
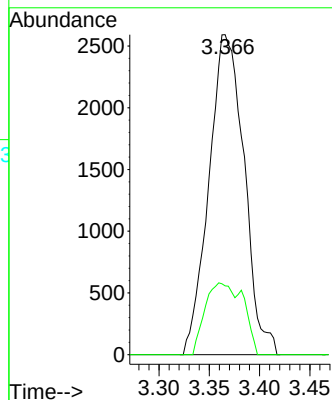
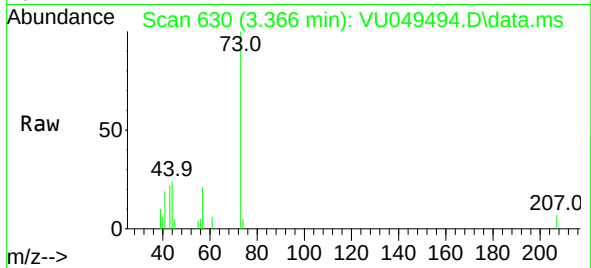




#19
Methyl tert-butyl Ether
Concen: 0.524 ug/l
RT: 3.366 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

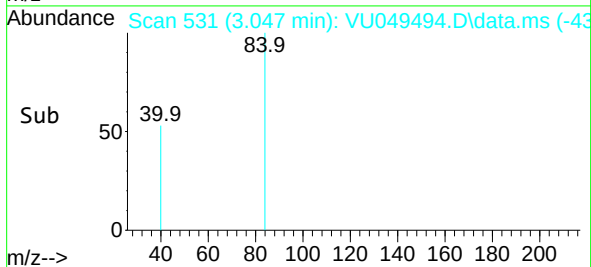
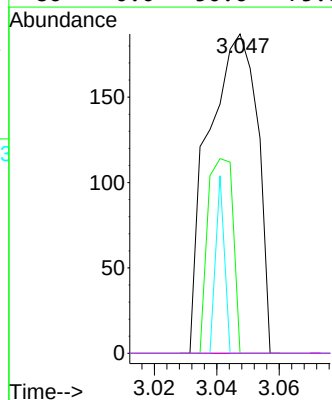
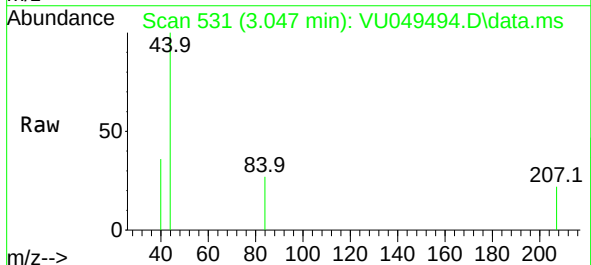
Instrument :
MSVOA_U
ClientSampleId :
RE125D1-20220621

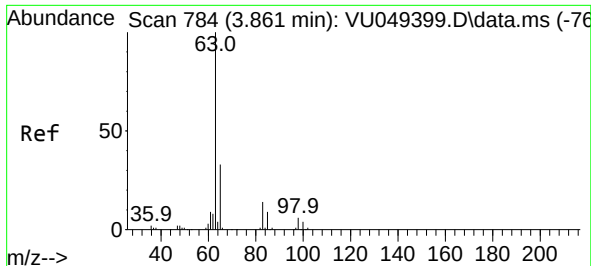
Tgt Ion: 73 Resp: 6314
Ion Ratio Lower Upper
73 100
57 21.5 17.1 25.7



#20
Methylene Chloride
Concen: Below Cal
RT: 3.047 min Scan# 531
Delta R.T. 0.010 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

Tgt Ion: 84 Resp: 204
Ion Ratio Lower Upper
84 100
49 0.0 86.6 129.8#
51 0.0 26.6 40.0#
86 0.0 50.6 75.8#





#24

1,1-Dichloroethane

Concen: 0.629 ug/l

RT: 3.867 min Scan# 71

Delta R.T. 0.007 min

Lab File: VU049494.D

Acq: 29 Jun 2022 05:42

Instrument :

MSVOA_U

ClientSampleId :

RE125D1-20220621

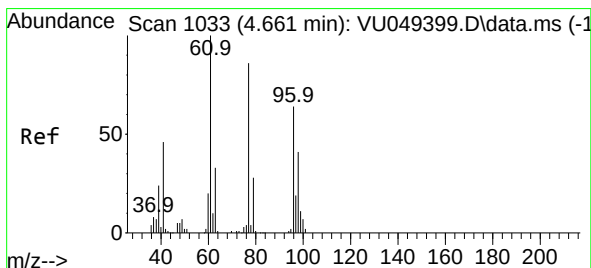
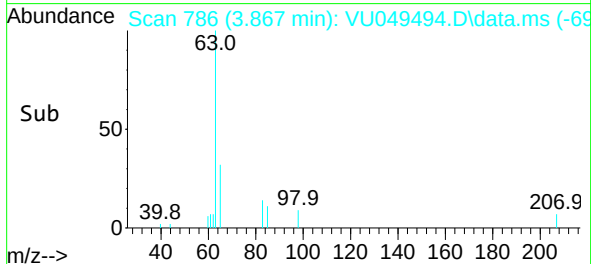
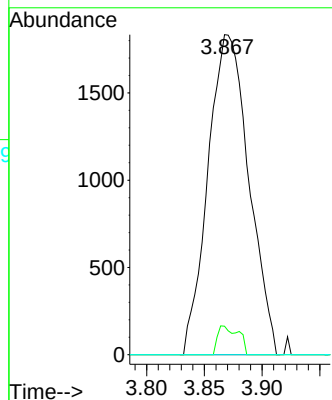
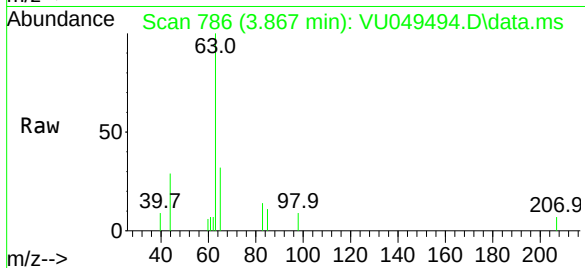
Tgt Ion: 63 Resp: 4517

Ion Ratio Lower Upper

63 100

98 8.9 3.6 10.9

100 0.0 2.4 7.2#



#27

cis-1,2-Dichloroethene

Concen: 2.632 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.007 min

Lab File: VU049494.D

Acq: 29 Jun 2022 05:42

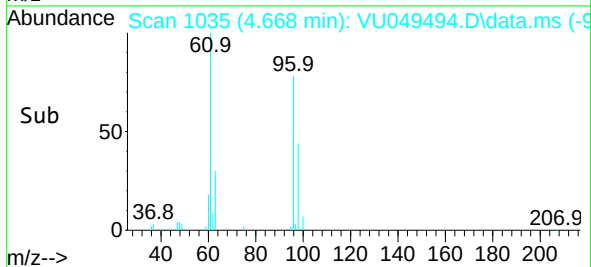
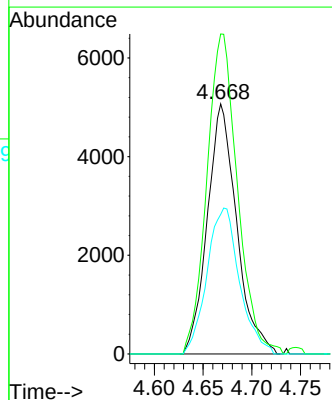
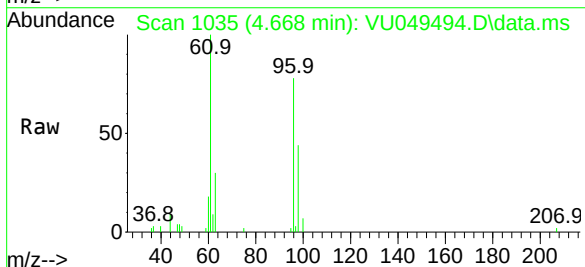
Tgt Ion: 96 Resp: 10615

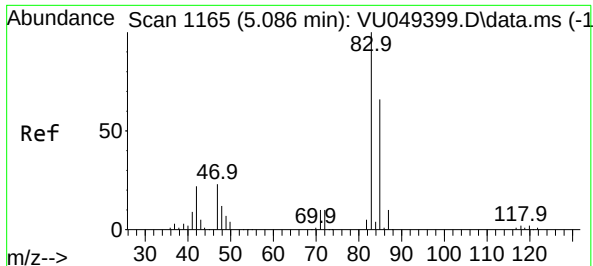
Ion Ratio Lower Upper

96 100

61 133.6 0.0 271.6

98 64.5 0.0 128.2





#30

Chloroform

Concen: 0.519 ug/l

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU049494.D

Acq: 29 Jun 2022 05:42

Instrument :

MSVOA_U

ClientSampleId :

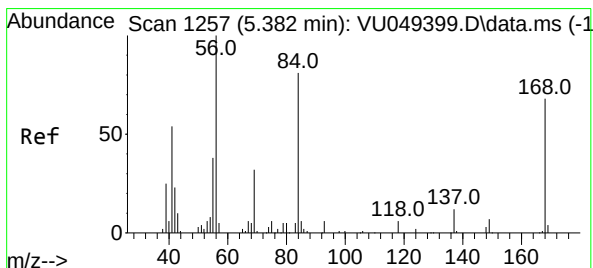
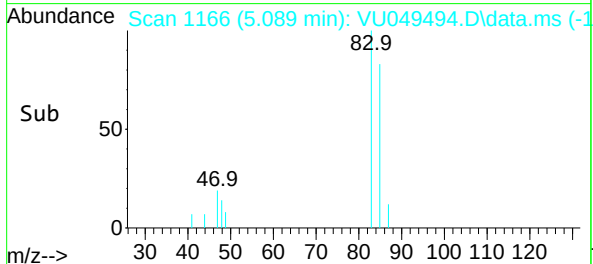
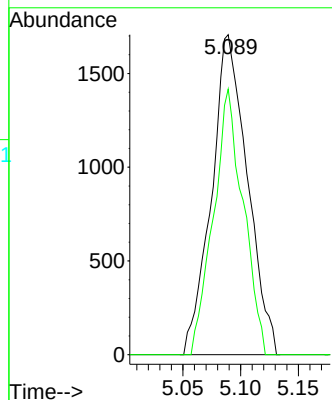
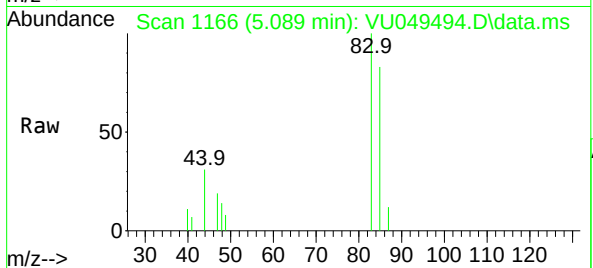
RE125D1-20220621

Tgt Ion: 83 Resp: 3686

Ion Ratio Lower Upper

83 100

85 83.0 51.2 76.8#



#31

Cyclohexane

Concen: 0.889 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.010 min

Lab File: VU049494.D

Acq: 29 Jun 2022 05:42

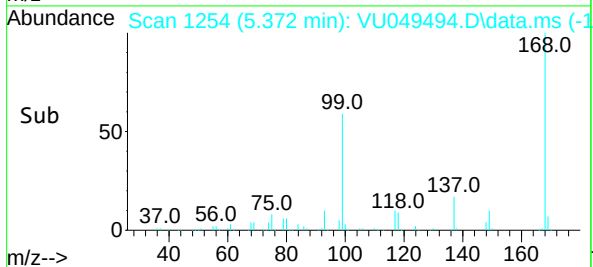
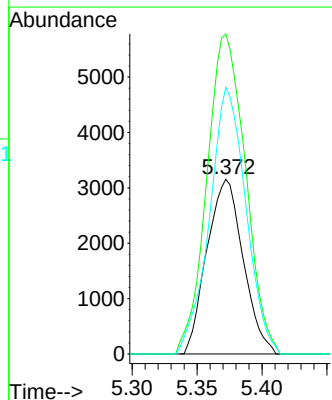
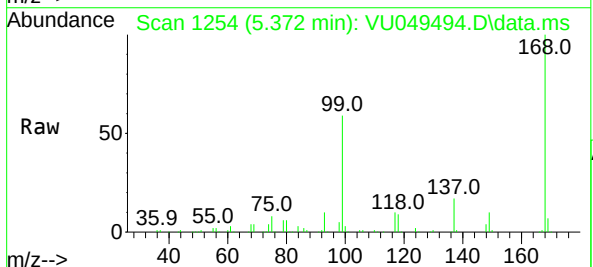
Tgt Ion: 56 Resp: 6129

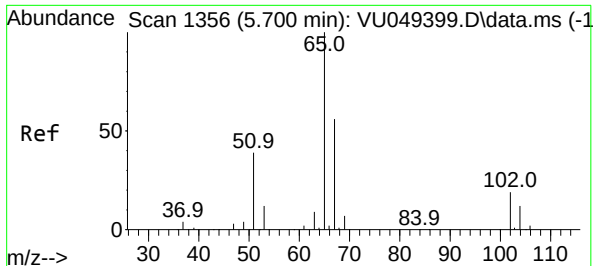
Ion Ratio Lower Upper

56 100

69 183.1 27.8 41.8#

84 152.6 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 43.442 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049494.D

Acq: 29 Jun 2022 05:42

Instrument :

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ClientSampleId :

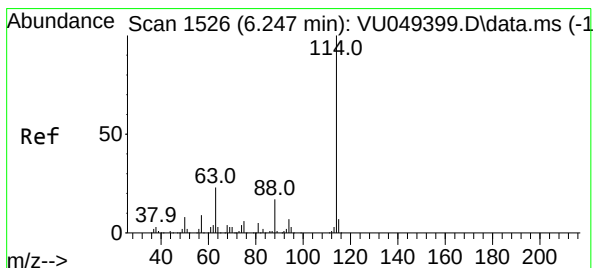
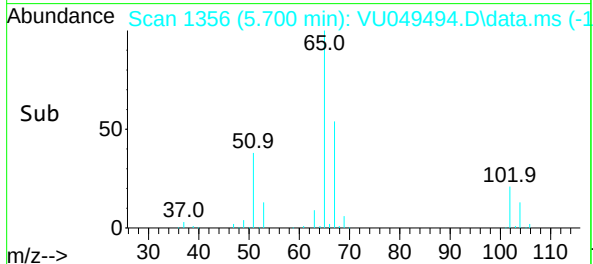
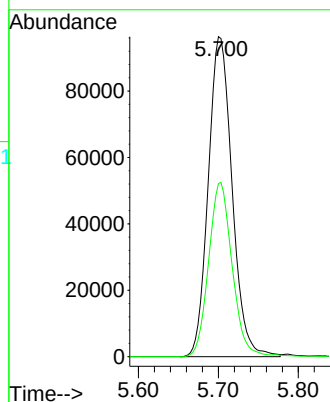
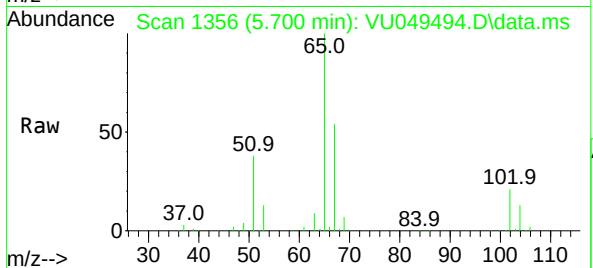
RE125D1-20220621

Tgt Ion: 65 Resp: 199426

Ion Ratio Lower Upper

65 100

67 53.4 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: VU049494.D

Acq: 29 Jun 2022 05:42

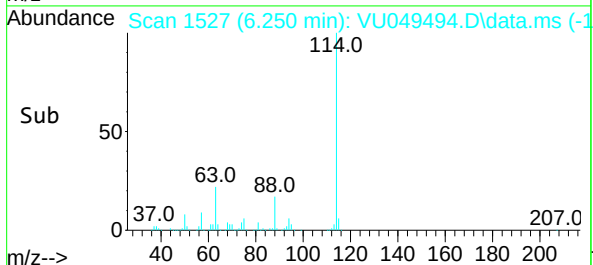
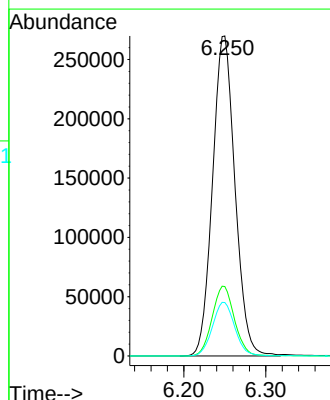
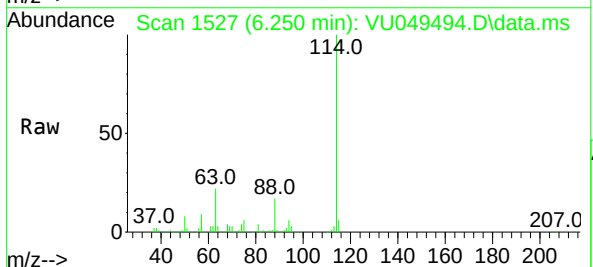
Tgt Ion: 114 Resp: 514107

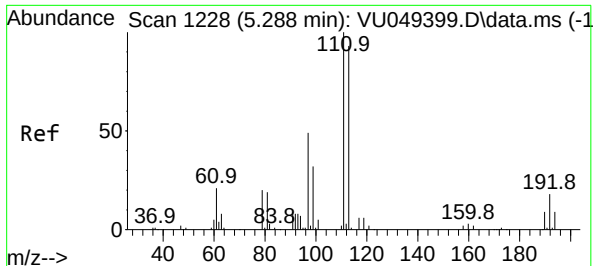
Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

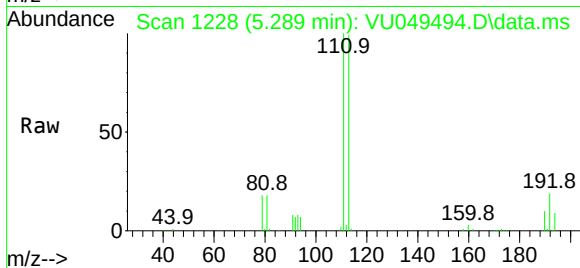
88 16.7 0.0 29.2



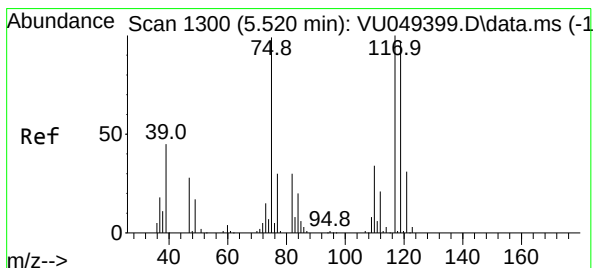
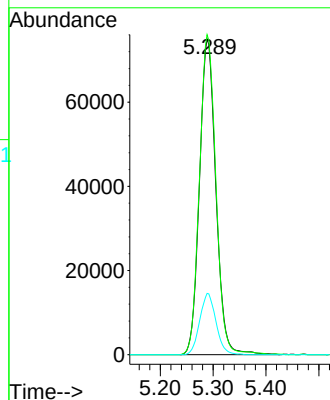
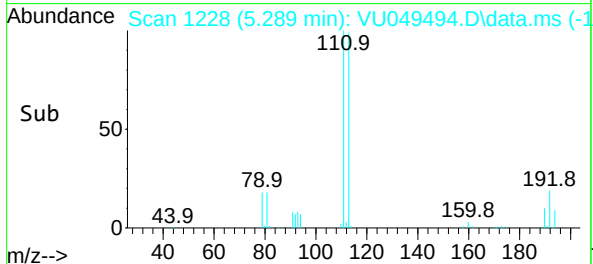


#35
Dibromofluoromethane
Concen: 44.935 ug/l
RT: 5.289 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

Instrument :
MSVOA_U
ClientSampleId :
RE125D1-20220621

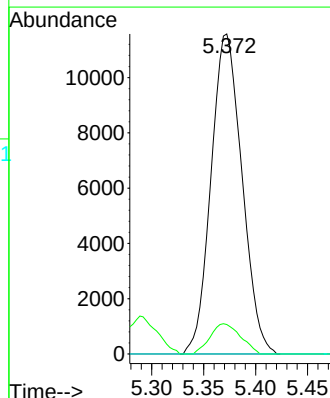
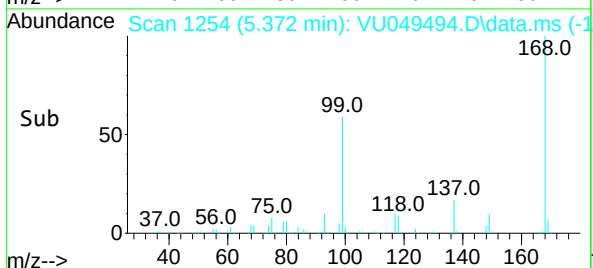
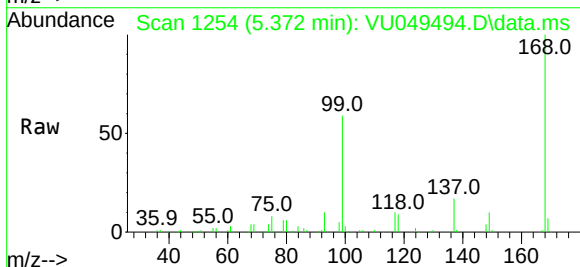


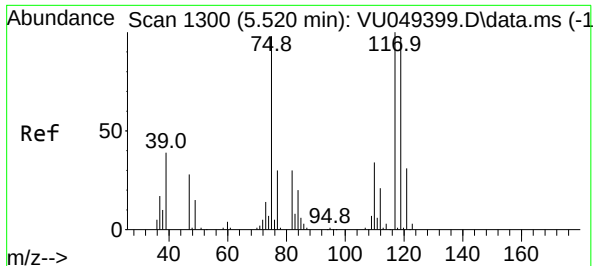
Tgt Ion:113 Resp: 161623
Ion Ratio Lower Upper
113 100
111 101.6 82.1 123.1
192 19.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

Tgt Ion: 75 Resp: 23992
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 25.1 37.7#

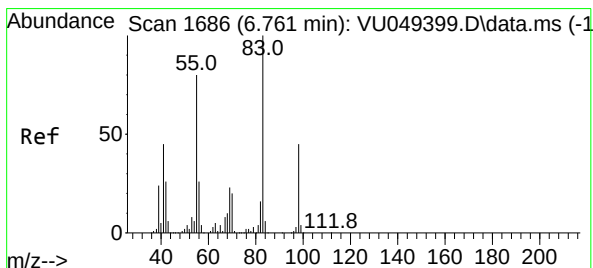
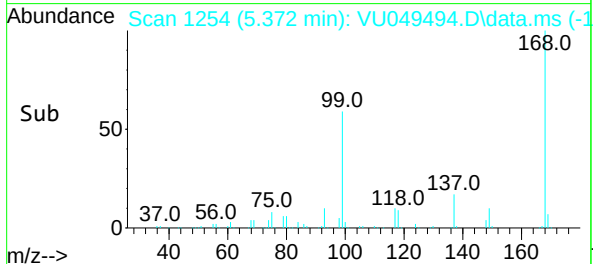
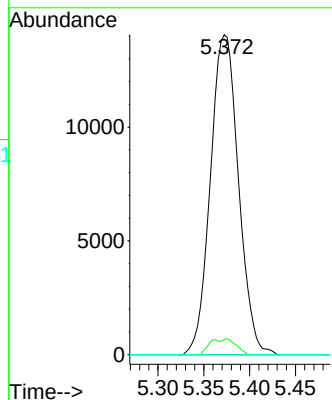
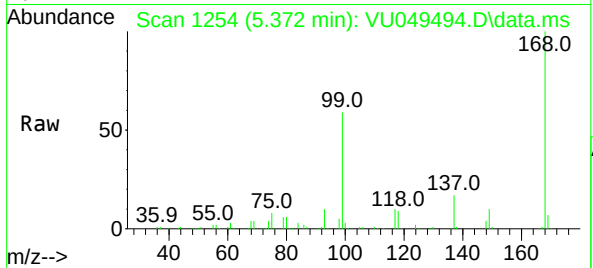




#38
Carbon Tetrachloride
Concen: 5.479 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

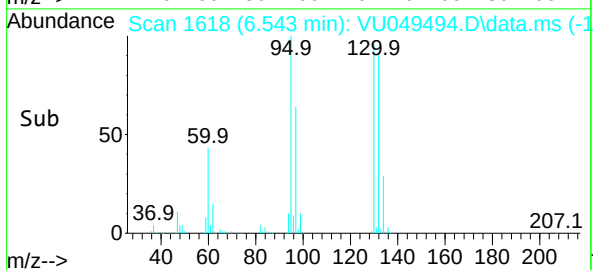
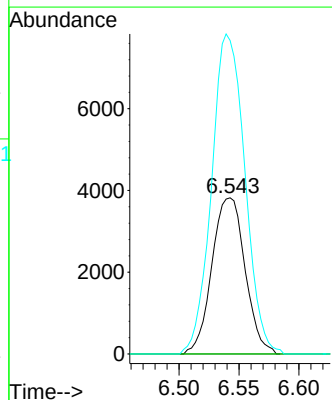
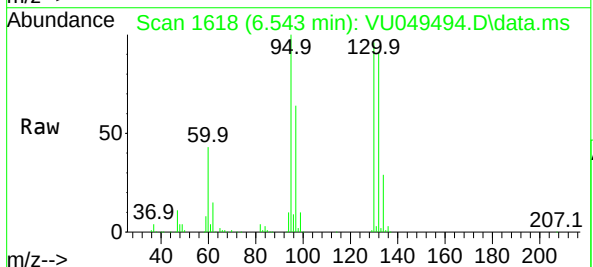
Instrument :
MSVOA_U
ClientSampleId :
RE125D1-20220621

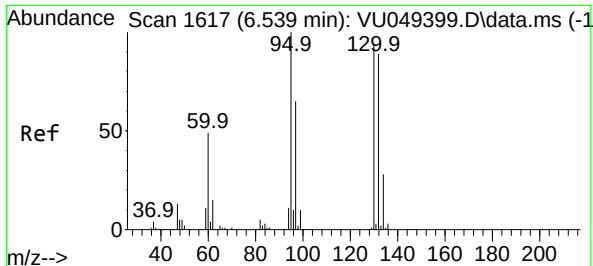
Tgt Ion:117 Resp: 29966
Ion Ratio Lower Upper
117 100
119 4.7 76.8 115.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 1.175 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. -0.218 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

Tgt Ion: 83 Resp: 7344
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 200.8 37.3 55.9#

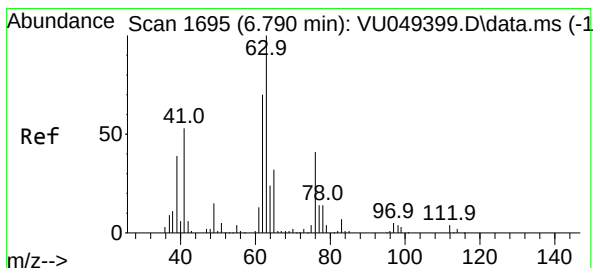
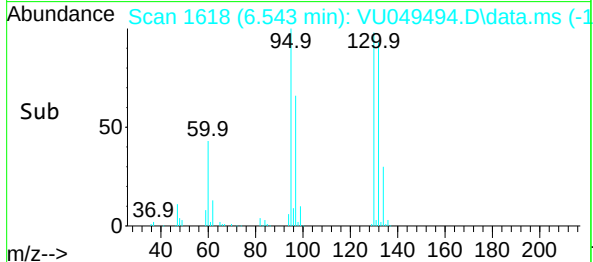
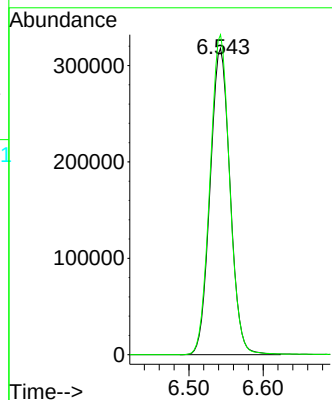
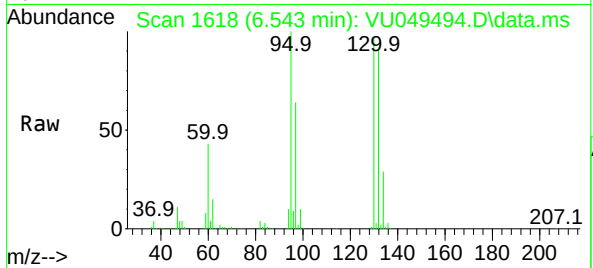




#44
Trichloroethene
Concen: 158.148 ug/l
RT: 6.543 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

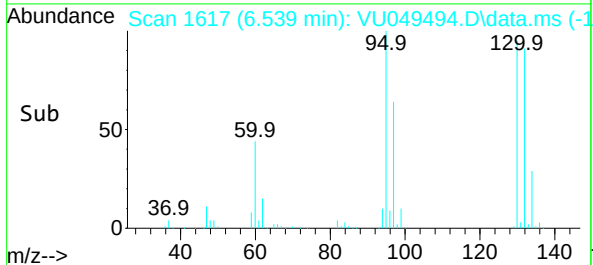
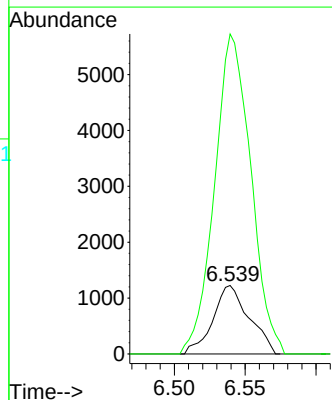
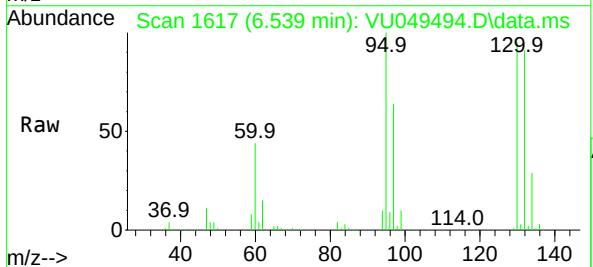
Instrument :
MSVOA_U
ClientSampleId :
RE125D1-20220621

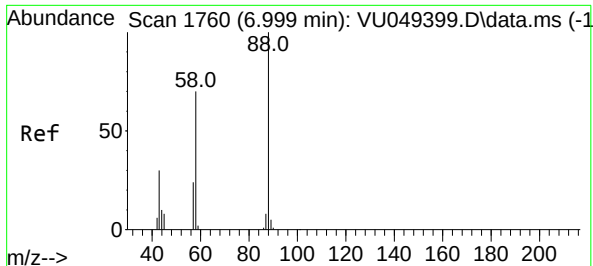
Tgt Ion:130 Resp: 591970
Ion Ratio Lower Upper
130 100
95 104.5 0.0 184.6



#45
1,2-Dichloropropane
Concen: 0.500 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. -0.251 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

Tgt Ion: 63 Resp: 2181
Ion Ratio Lower Upper
63 100
65 467.1 25.0 37.4#





#49

1,4-Dioxane

Concen: 20.435 ug/l

RT: 7.005 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU049494.D

Acq: 29 Jun 2022 05:42

Instrument :

MSVOA_U

ClientSampleId :

RE125D1-20220621

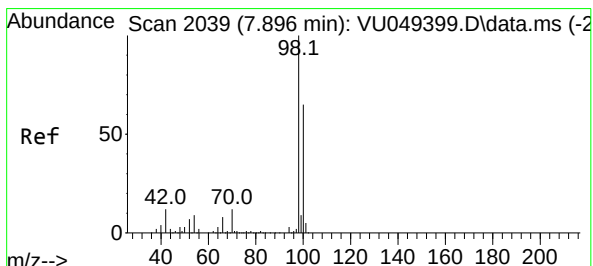
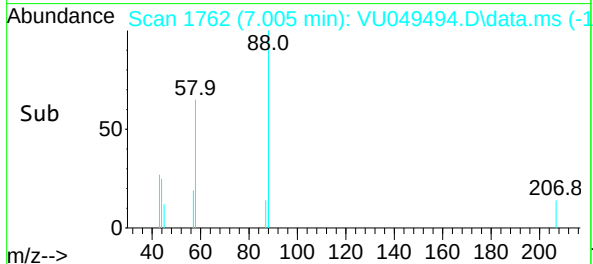
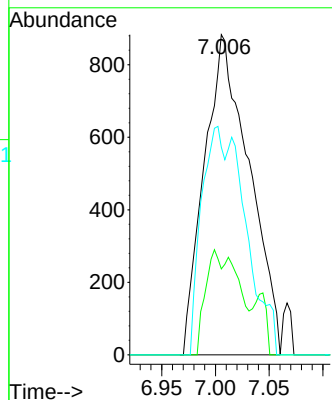
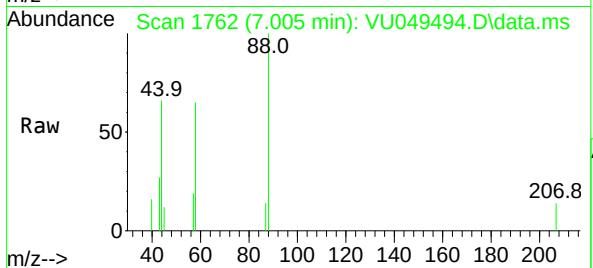
Tgt Ion: 88 Resp: 2562

Ion Ratio Lower Upper

88 100

43 11.6 0.0 0.0#

58 36.4 15.4 23.0#



#50

Toluene-d8

Concen: 47.904 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.003 min

Lab File: VU049494.D

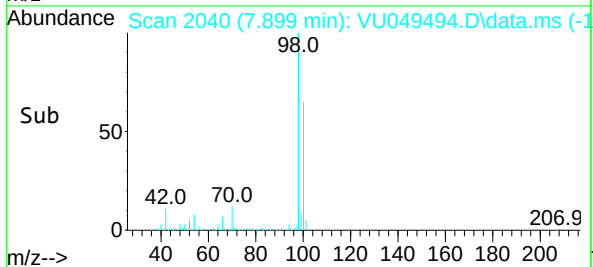
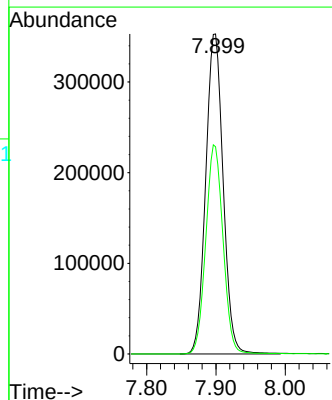
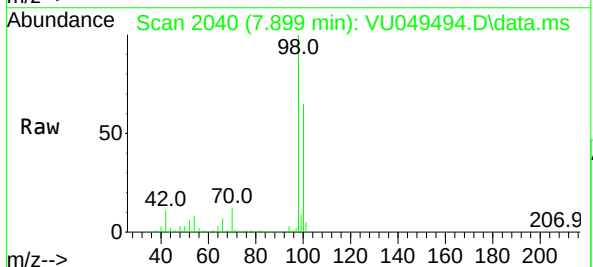
Acq: 29 Jun 2022 05:42

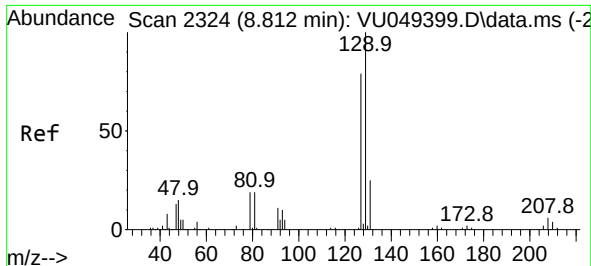
Tgt Ion: 98 Resp: 614553

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5

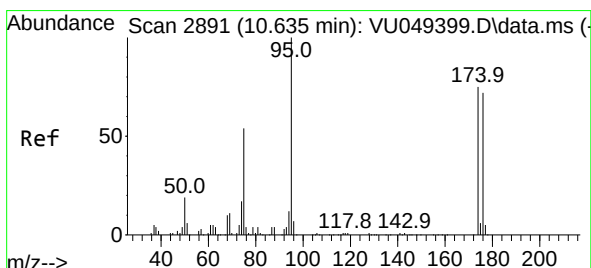
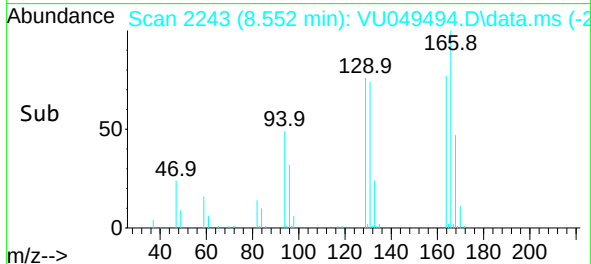
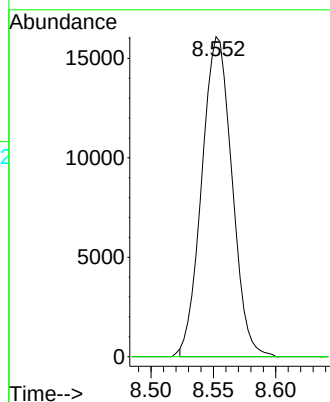
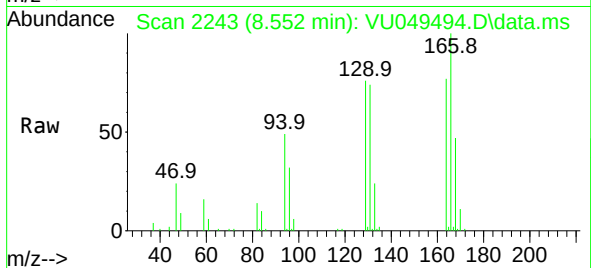




#60
Dibromochloromethane
Concen: 6.731 ug/l
RT: 8.552 min Scan# 21
Delta R.T. -0.260 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

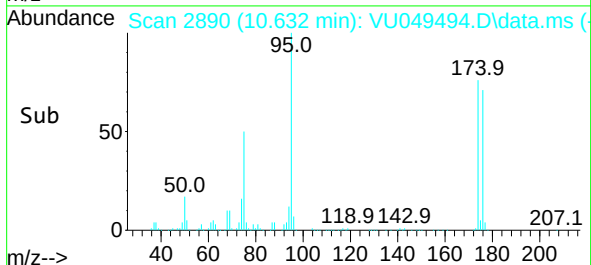
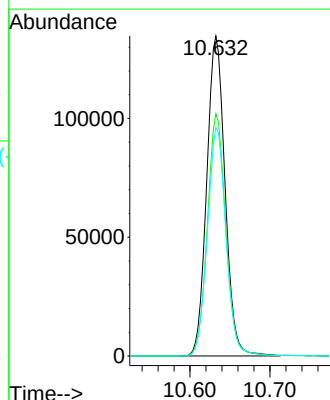
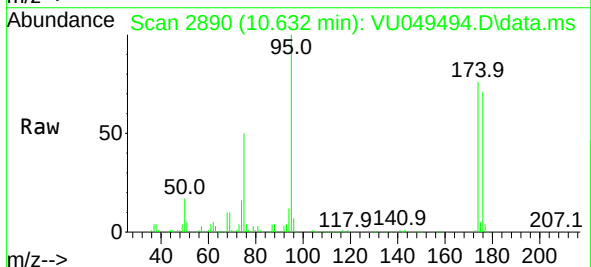
Instrument :
MSVOA_U
ClientSampleId :
RE125D1-20220621

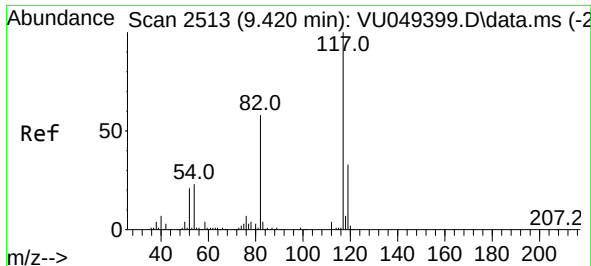
Tgt Ion:129 Resp: 27084
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 43.649 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

Tgt Ion: 95 Resp: 214508
Ion Ratio Lower Upper
95 100
174 76.2 0.0 182.0
176 72.5 0.0 177.8

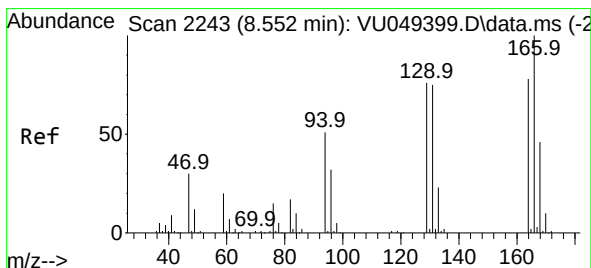
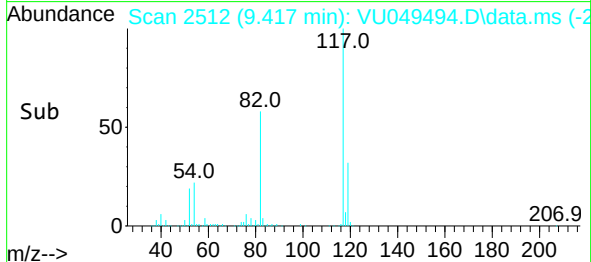
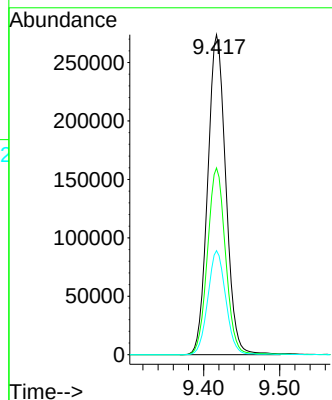
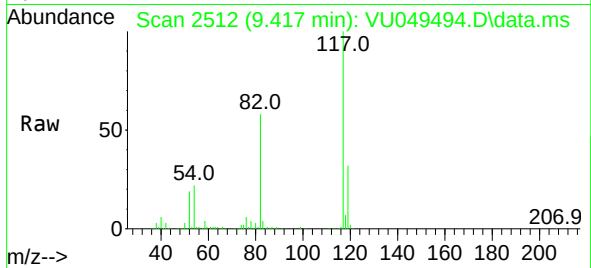




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

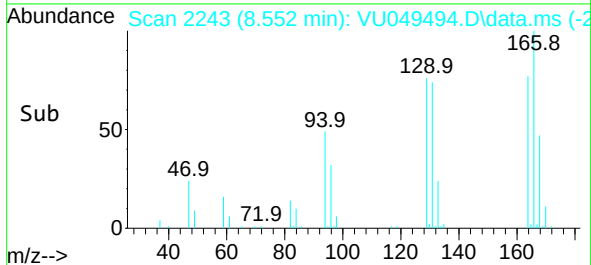
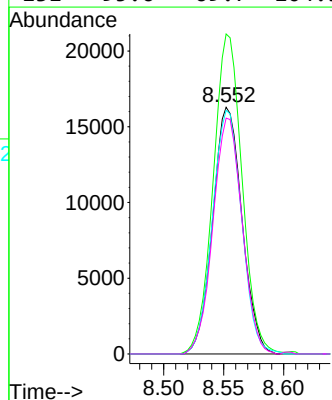
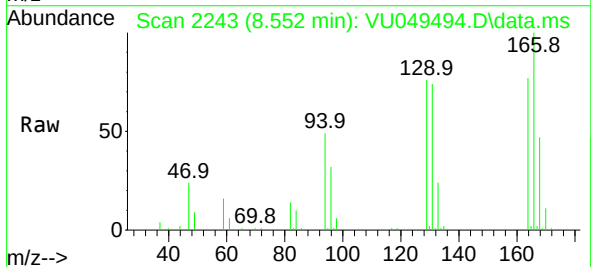
Instrument :
MSVOA_U
ClientSampleId :
RE125D1-20220621

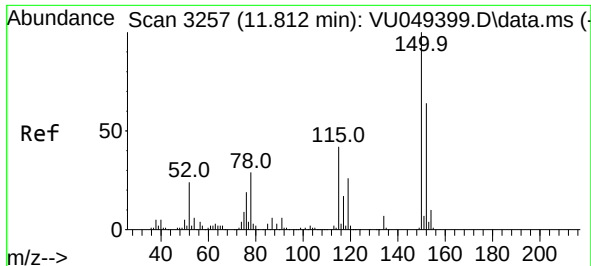
Tgt Ion:117 Resp: 452960
Ion Ratio Lower Upper
117 100
82 58.4 41.7 62.5
119 32.5 25.7 38.5



#64
Tetrachloroethene
Concen: 9.528 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

Tgt Ion:164 Resp: 27682
Ion Ratio Lower Upper
164 100
166 129.7 100.0 150.0
129 98.8 72.0 108.0
131 95.6 69.7 104.5

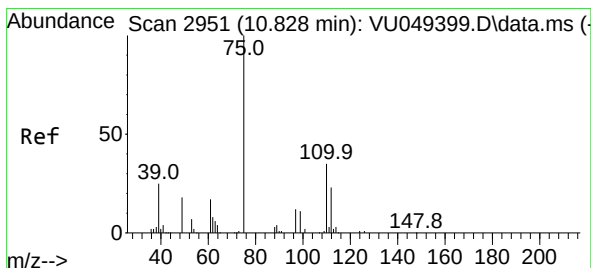
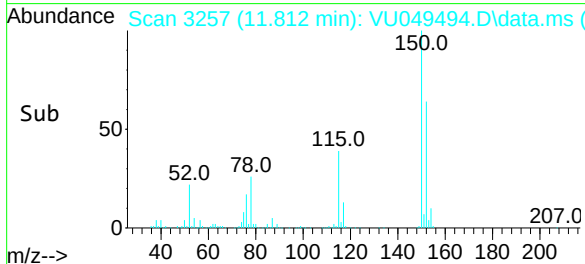
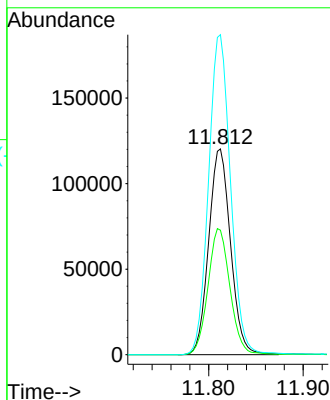
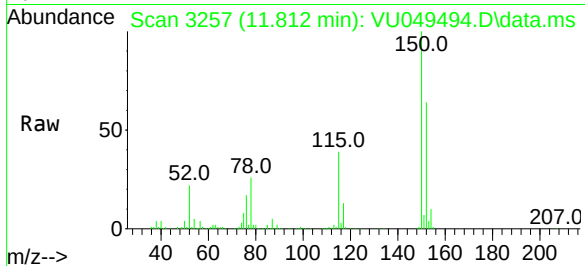




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049494.D
 Acq: 29 Jun 2022 05:42

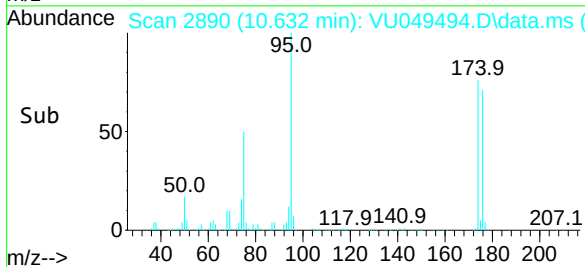
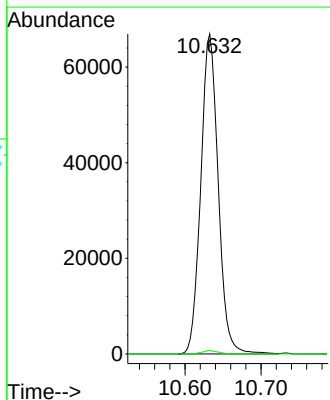
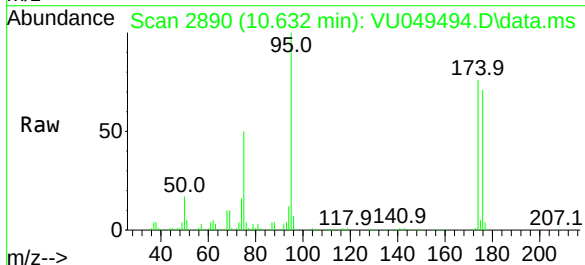
Instrument :
 MSVOA_U
 ClientSampleId :
 RE125D1-20220621

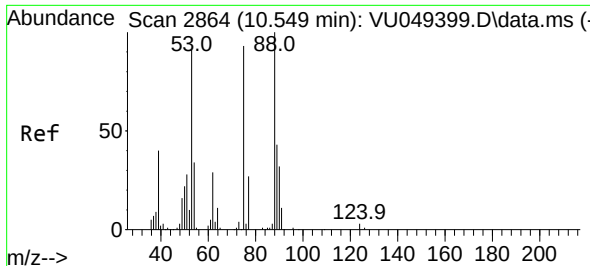
Tgt Ion:152 Resp: 193347
 Ion Ratio Lower Upper
 152 100
 115 61.6 37.0 110.9
 150 156.5 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 16.255 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049494.D
 Acq: 29 Jun 2022 05:42

Tgt Ion: 75 Resp: 106542
 Ion Ratio Lower Upper
 75 100
 77 1.0 15.8 47.3#

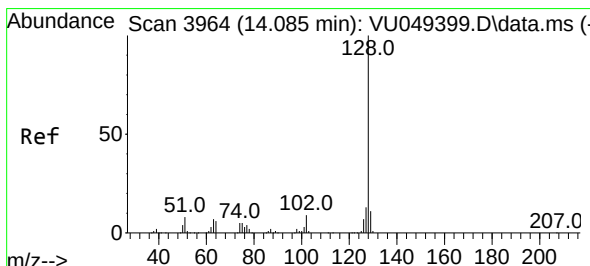
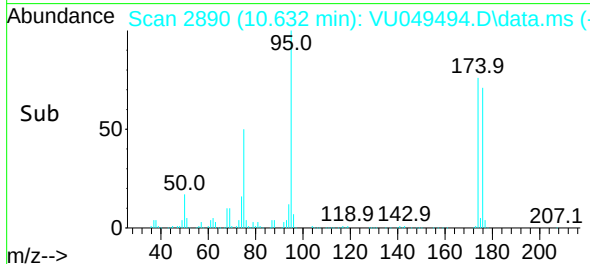
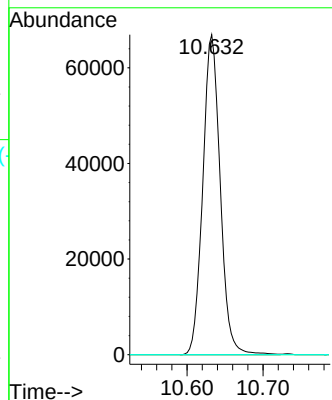
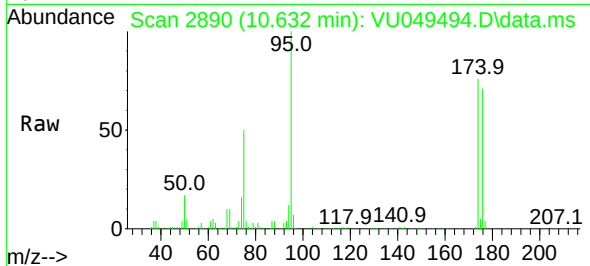




#81
trans-1,4-Dichloro-2-butene
Concen: 60.029 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

Instrument :
MSVOA_U
ClientSampleId :
RE125D1-20220621

Tgt Ion: 75 Resp: 106542
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.763 ug/l
RT: 14.118 min Scan# 3974
Delta R.T. 0.032 min
Lab File: VU049494.D
Acq: 29 Jun 2022 05:42

Tgt Ion: 128 Resp: 417
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

