

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070029.D
 Acq On : 11 Aug 2021 17:59
 Operator : VA/SY
 Sample : M3345-02
 Misc : 7.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

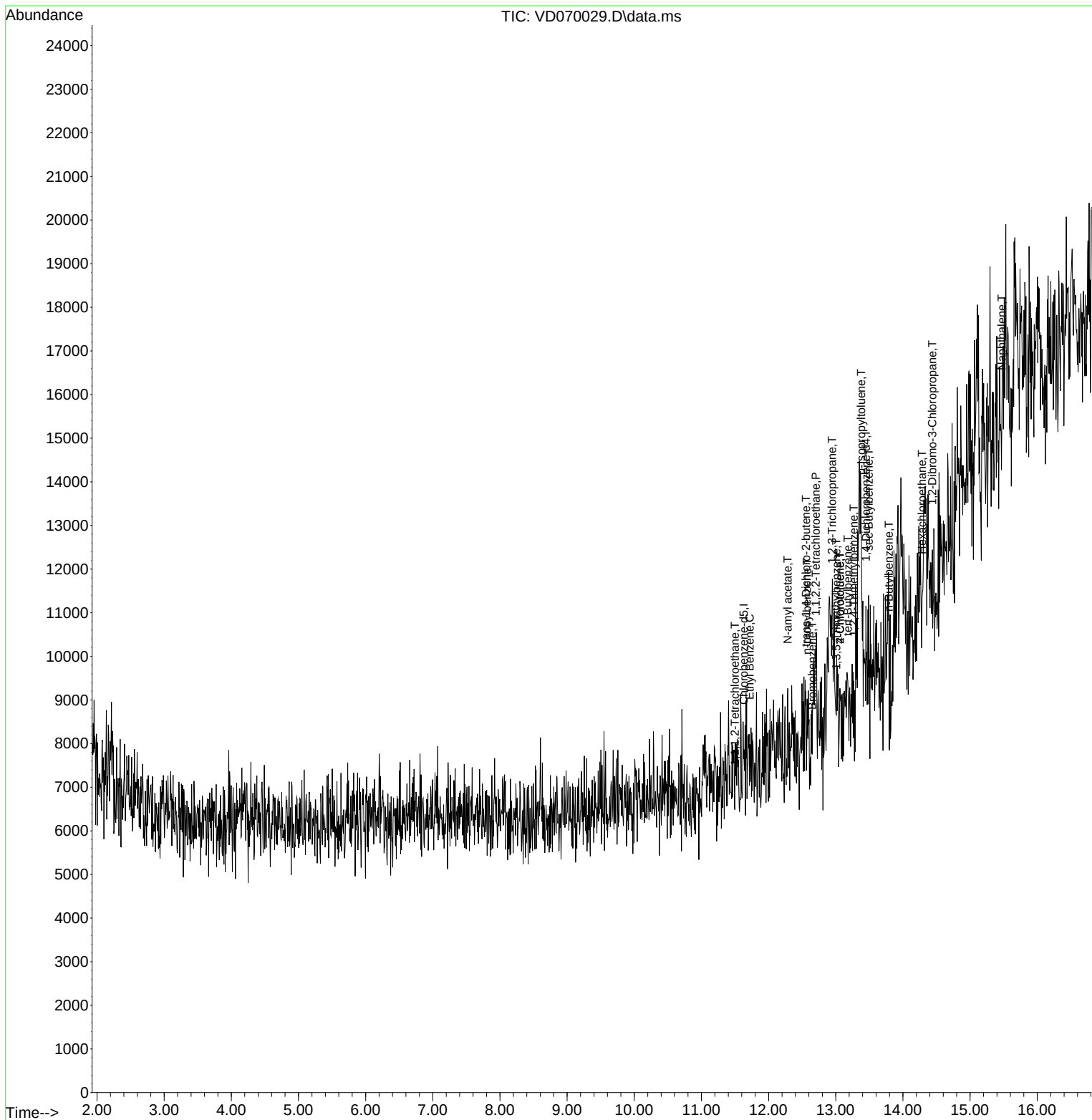
Quant Time: Aug 12 05:31:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

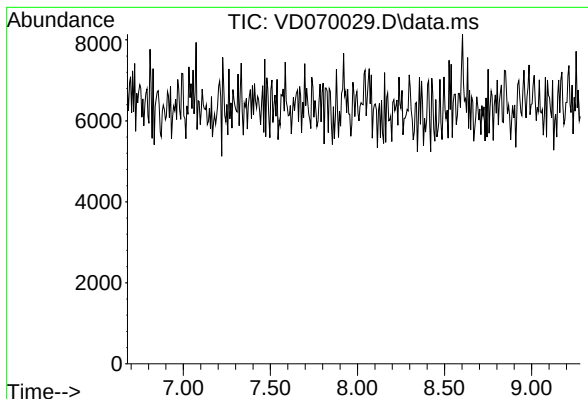
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.98
34) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/l	-8.86
63) Chlorobenzene-d5	11.632	117	348	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.449	152	97	50.000	ug/l	#-0.12
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.344	98	61	0.000	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	12.667	95	66	0.000	ug/l	0.04
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
66) 1,1,1,2-Tetrachloroethane	11.497	131	58	22.362	ug/l #	9
67) Ethyl Benzene	11.720	91	249	19.617	ug/l #	44
74) N-amyl acetate	12.285	43	62	43.248	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.702	83	62	44.545	ug/l #	26
76) 1,2,3-Trichloropropane	12.944	75	65	63.043	ug/l #	1
77) Bromobenzene	12.649	156	59	37.586	ug/l #	1
78) n-propylbenzene	12.573	91	143	15.975	ug/l #	54
79) 2-Chlorotoluene	13.061	91	58	11.155	ug/l #	43
80) 1,3,5-Trimethylbenzene	13.008	105	62	10.399	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.555	75	108	317.780	ug/l #	16
82) 4-Chlorotoluene	13.061	91	58	10.670	ug/l #	43
83) tert-Butylbenzene	13.179	119	76	15.679	ug/l #	25
84) 1,2,4-Trimethylbenzene	13.267	105	84	14.282	ug/l #	31
85) sec-Butylbenzene	13.491	105	167	21.793	ug/l #	58
86) p-Isopropyltoluene	13.379	119	70	11.244	ug/l #	51
89) n-Butylbenzene	13.791	91	121	19.694	ug/l #	33
90) Hexachloroethane	14.285	117	162	122.843	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.438	75	60	299.368	ug/l #	1
95) Naphthalene	15.473	128	77	26.857	ug/l #	69

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

Quant Time: Aug 12 05:31:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration



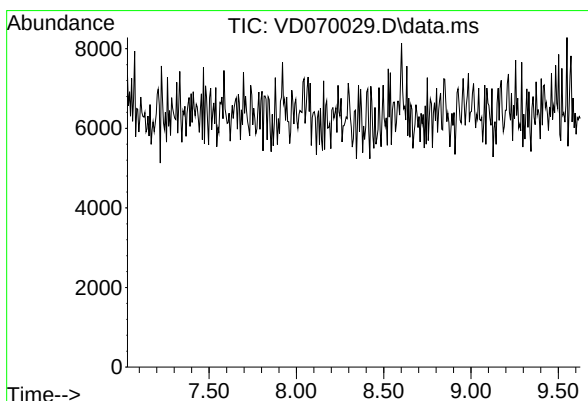
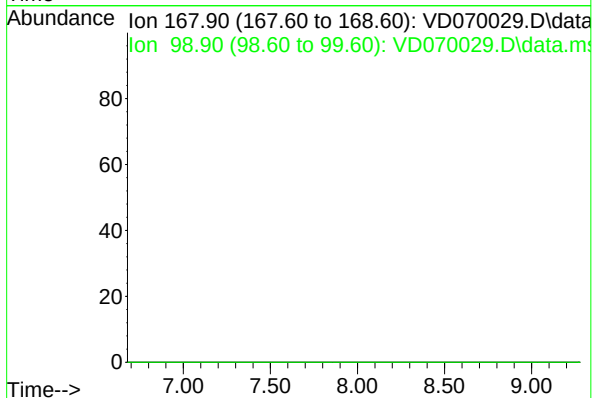


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.98 min

Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Tgt Ion: 168
Sig Exp Ratio
168 100
99 63.9

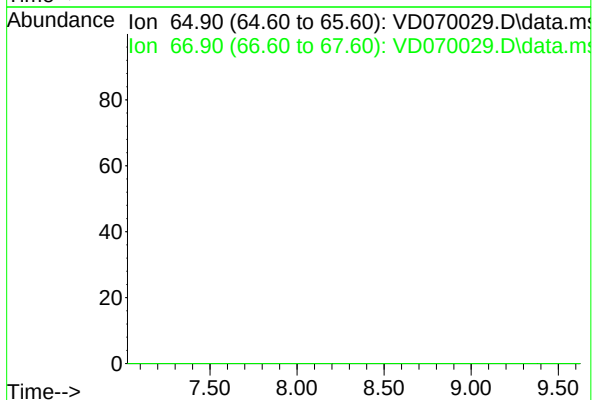
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ClientSampleId :

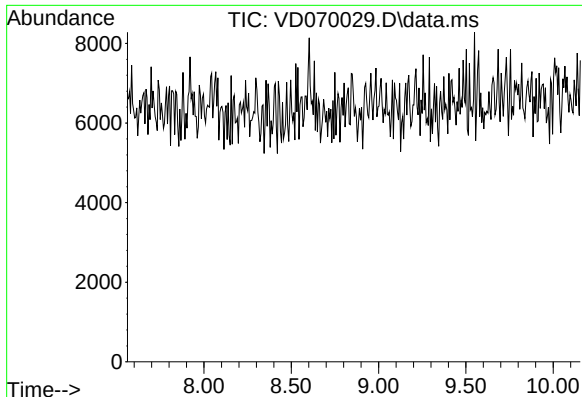


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.33 min

Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Tgt Ion: 65
Sig Exp Ratio
65 100
67 55.6



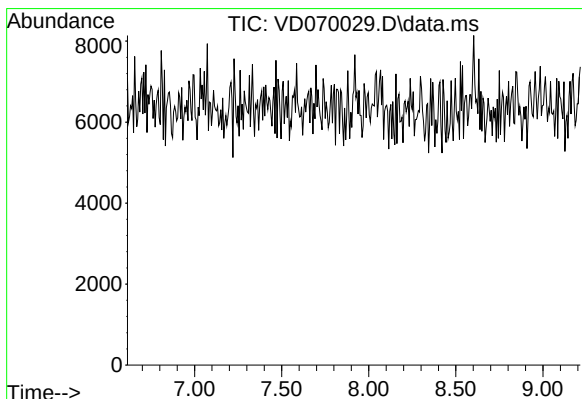
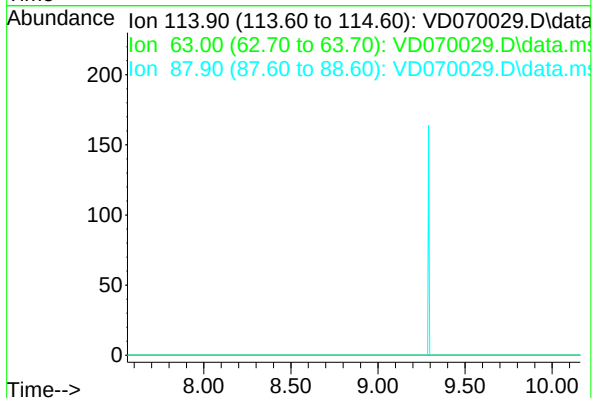


#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 8.86 min

Lab File: VD070029.D
 Acq: 11 Aug 2021 17:59

Tgt Ion: 114
 Sig Exp Ratio
 114 100
 63 20.8
 88 15.7

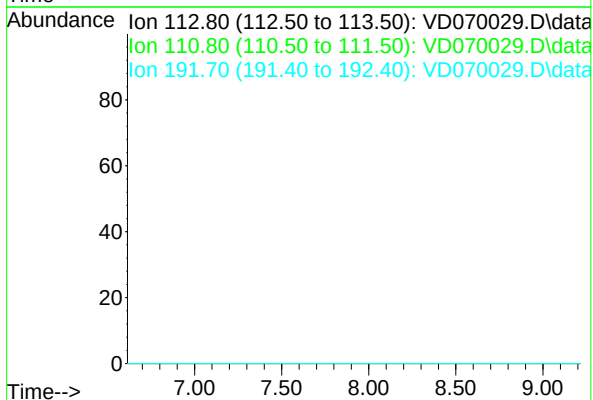
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 ClientSampleId :

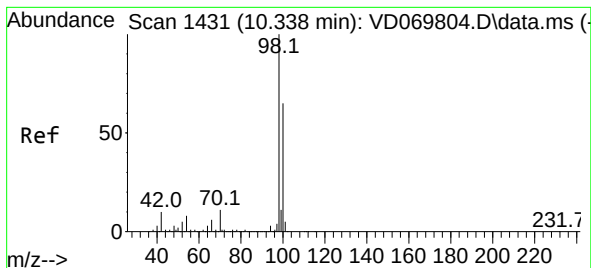


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.91 min

Lab File: VD070029.D
 Acq: 11 Aug 2021 17:59

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 100.6
 192 15.8

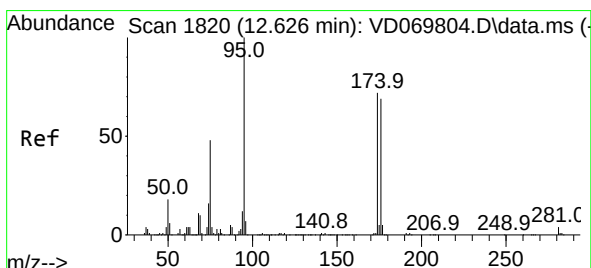
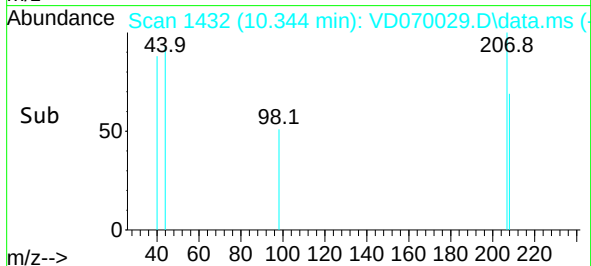
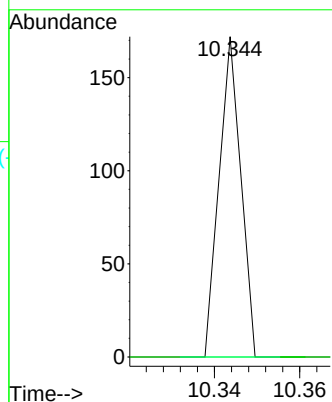
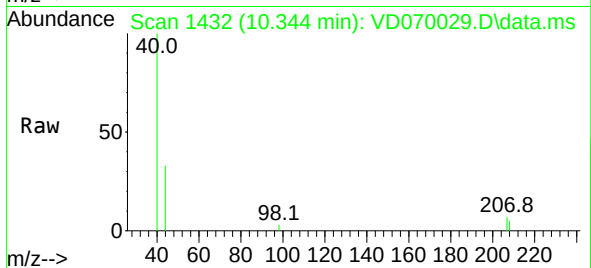




#50
Toluene-d8
Concen: 0.000 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

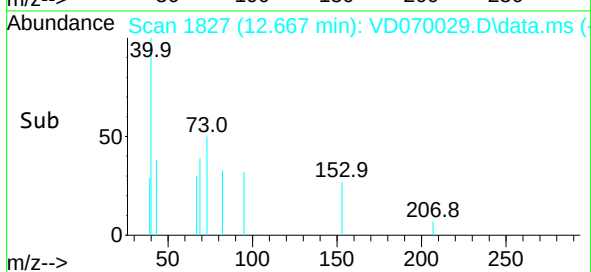
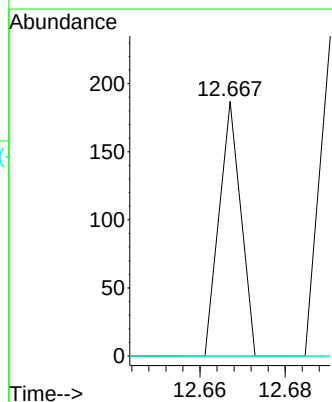
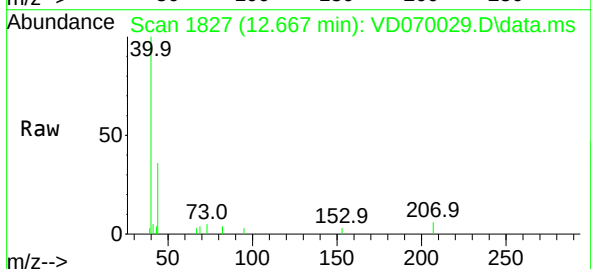
Instrument :
MSVOA_D
ClientSampleId :

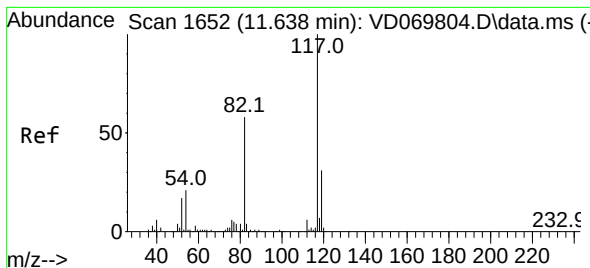
Tgt Ion: 98 Resp: 61
Ion Ratio Lower Upper
98 100
100 0.0 51.9 77.9#



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 12.667 min Scan# 1827
Delta R.T. 0.041 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Tgt Ion: 95 Resp: 66
Ion Ratio Lower Upper
95 100
174 0.0 0.0 142.6
176 0.0 0.0 134.2

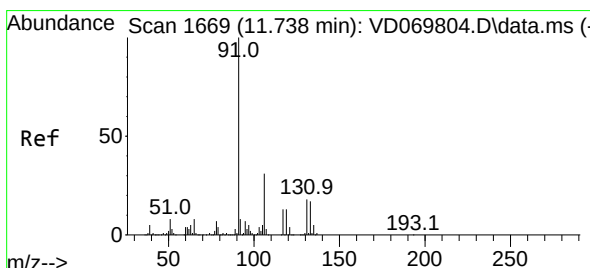
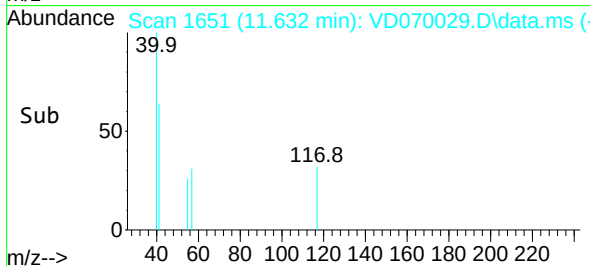
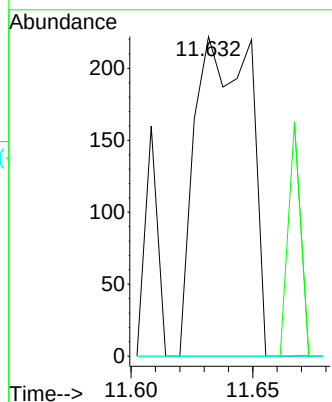
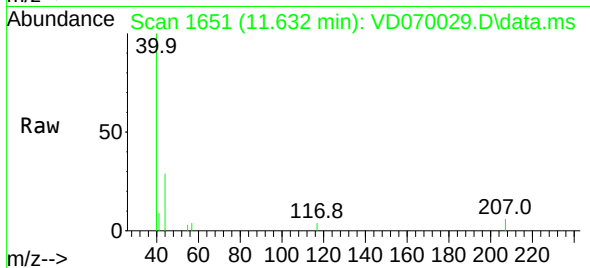




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

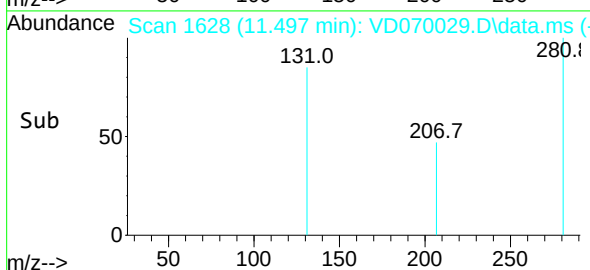
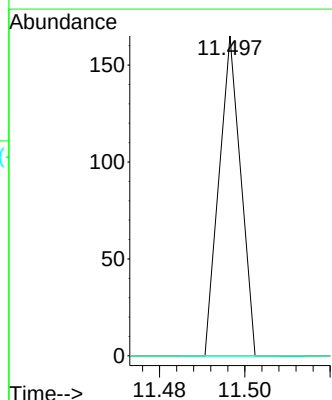
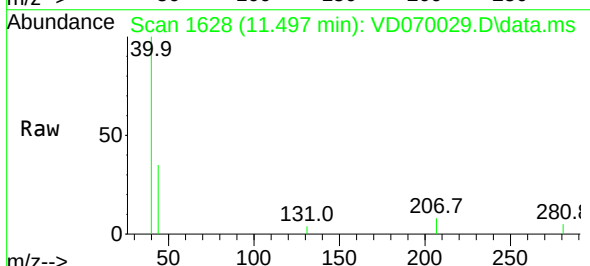
Instrument :
MSVOA_D
ClientSampleId :

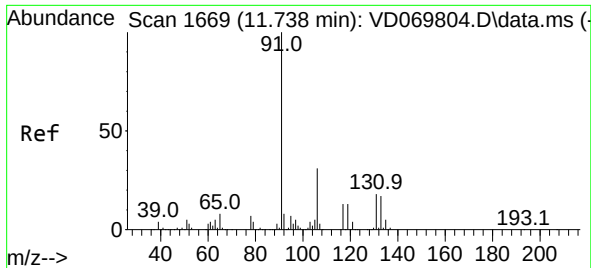
Tgt Ion:117 Resp: 348
Ion Ratio Lower Upper
117 100
82 0.0 46.3 69.5#
119 0.0 24.7 37.1#



#66
1,1,1,2-Tetrachloroethane
Concen: 22.362 ug/l
RT: 11.497 min Scan# 1628
Delta R.T. -0.241 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Tgt Ion:131 Resp: 58
Ion Ratio Lower Upper
131 100
133 0.0 46.4 139.1#
119 0.0 34.2 102.5#

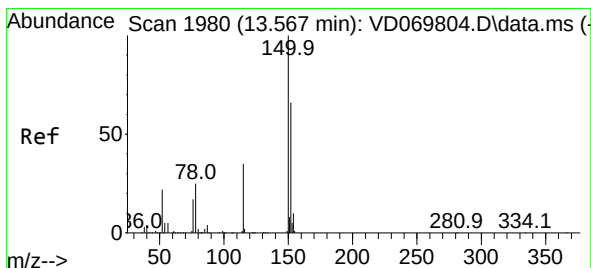
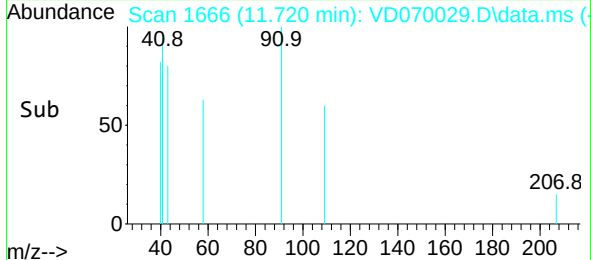
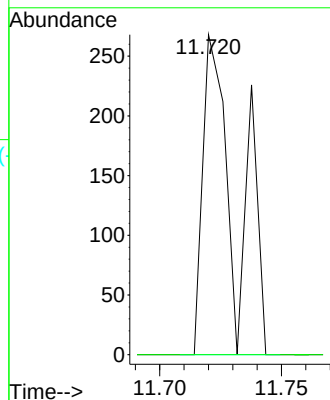
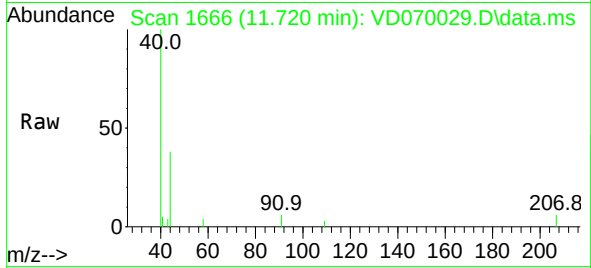




#67
Ethyl Benzene
Concen: 19.617 ug/l
RT: 11.720 min Scan# 1666
Delta R.T. -0.018 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

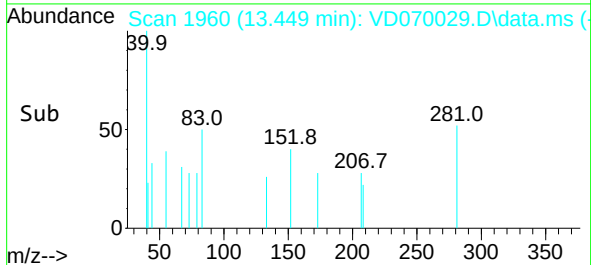
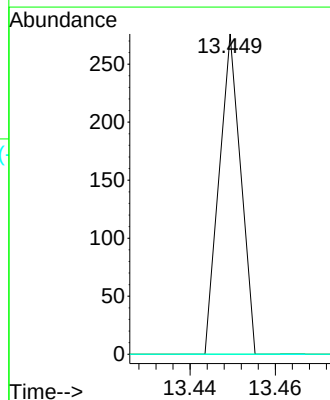
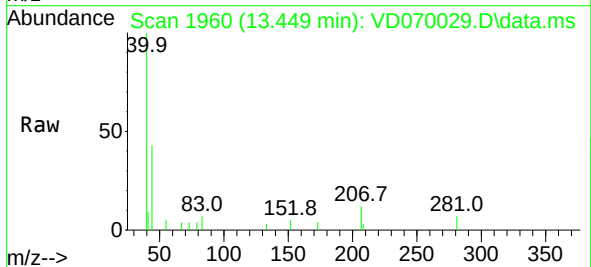
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MSVOA_D
ClientSampled :

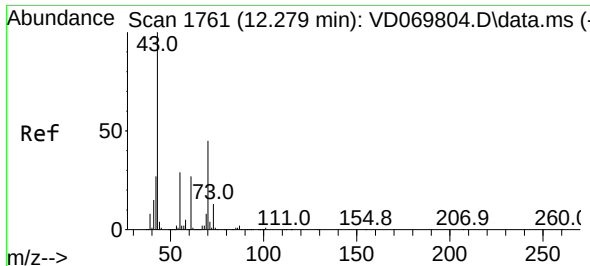
Tgt Ion: 91 Resp: 249
Ion Ratio Lower Upper
91 100
106 0.0 24.9 37.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.449 min Scan# 1960
Delta R.T. -0.118 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

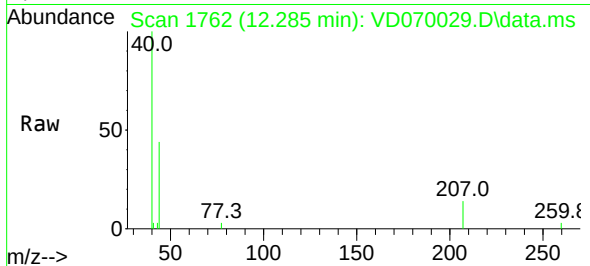
Tgt Ion:152 Resp: 97
Ion Ratio Lower Upper
152 100
115 0.0 31.1 93.3#
150 0.0 0.0 343.0



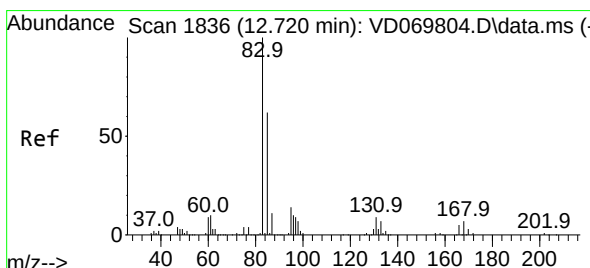
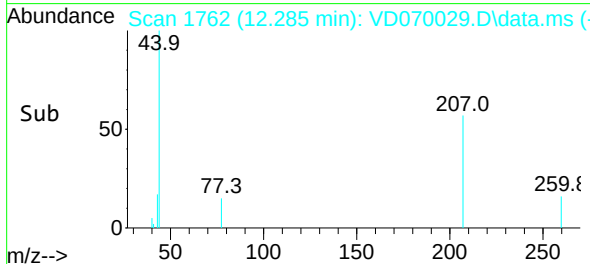
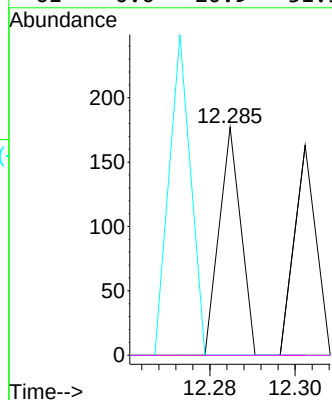


#74
N-amy1 acetate
Concen: 43.248 ug/l
RT: 12.285 min Scan# 1762
Delta R.T. 0.006 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Instrument :
MSVOA_D
ClientSampleId :

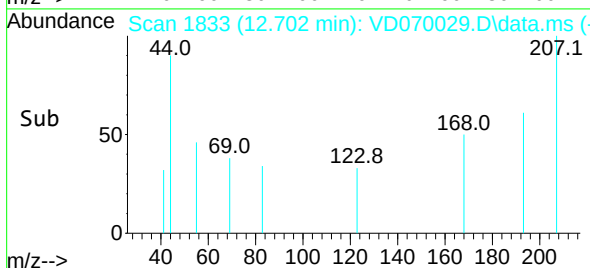
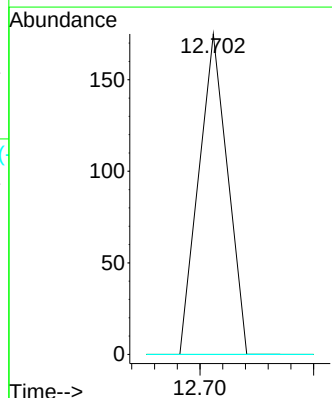
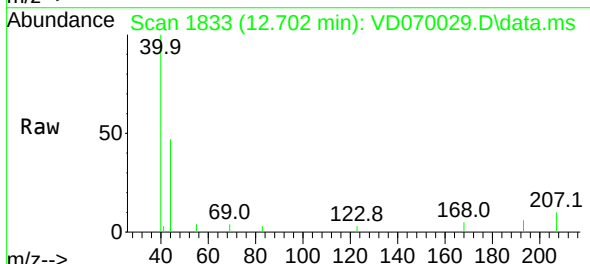


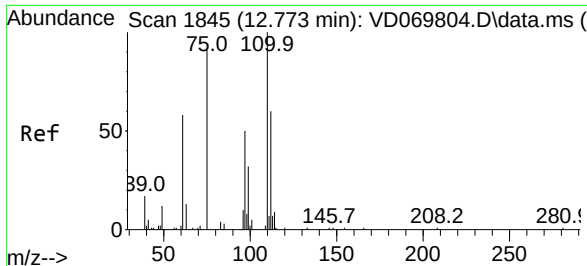
Tgt Ion: 43	Resp: 62
Ion Ratio	Lower Upper
43 100	
70 0.0	37.9 56.9#
55 141.9	23.7 35.5#
61 0.0	20.9 31.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 44.545 ug/l
RT: 12.702 min Scan# 1833
Delta R.T. -0.018 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Tgt Ion: 83	Resp: 62
Ion Ratio	Lower Upper
83 100	
131 0.0	4.9 14.6#
85 0.0	31.8 95.4#

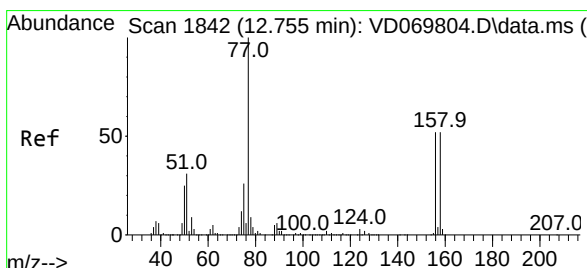
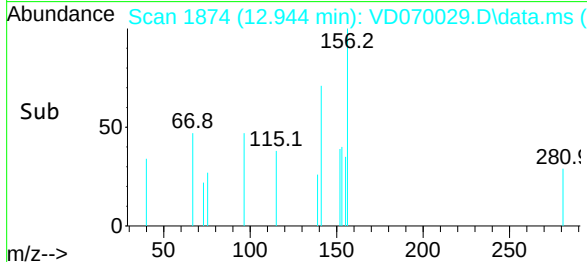
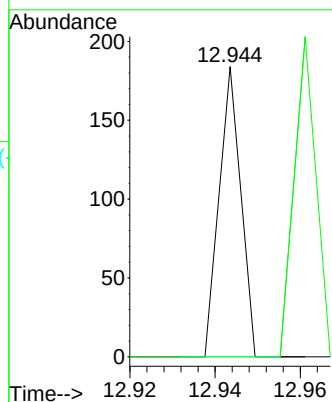
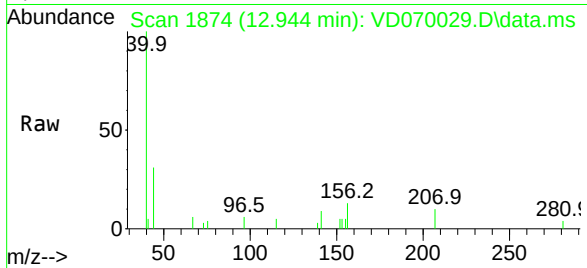




#76
1,2,3-Trichloropropane
Concen: 63.043 ug/l
RT: 12.944 min Scan# 1874
Delta R.T. 0.171 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

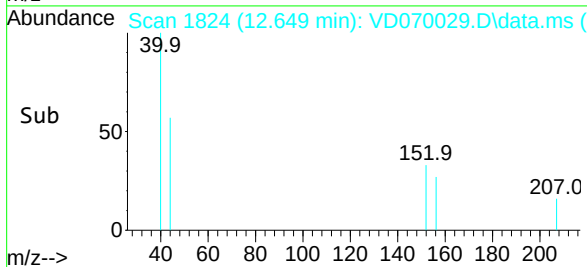
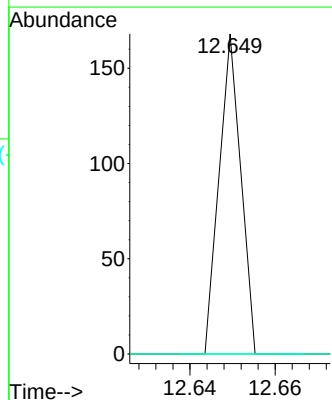
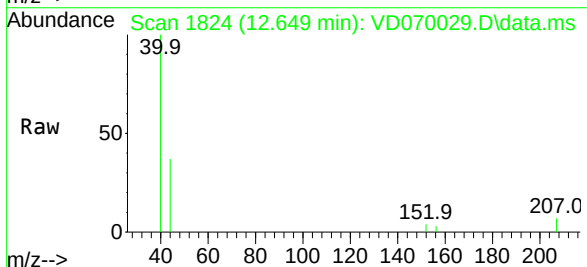
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ClientSampleId :

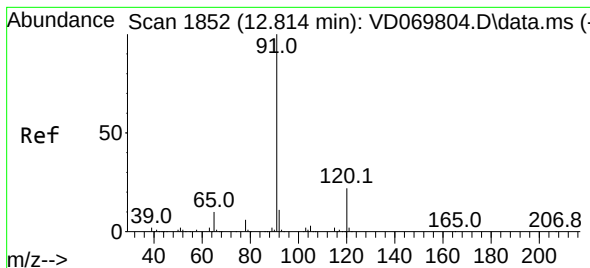
Tgt Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
77 110.8 181.5 544.5#



#77
Bromobenzene
Concen: 37.586 ug/l
RT: 12.649 min Scan# 1824
Delta R.T. -0.106 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Tgt Ion: 156 Resp: 59
Ion Ratio Lower Upper
156 100
77 0.0 107.1 321.3#
158 0.0 48.1 144.3#

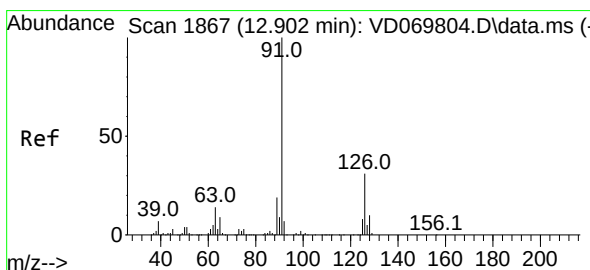
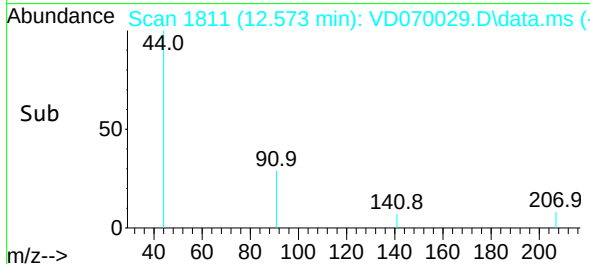
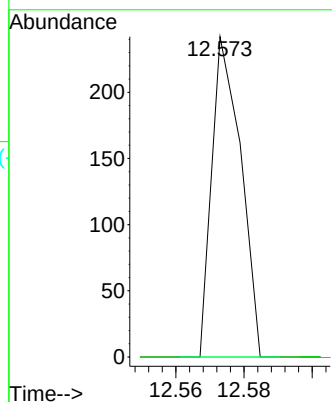
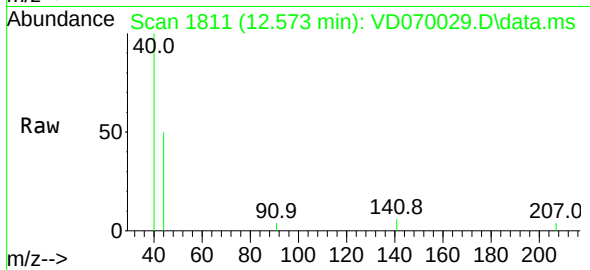




#78
n-propylbenzene
Concen: 15.975 ug/l
RT: 12.573 min Scan# 1811
Delta R.T. -0.241 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

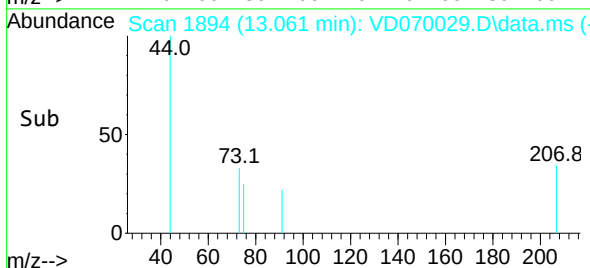
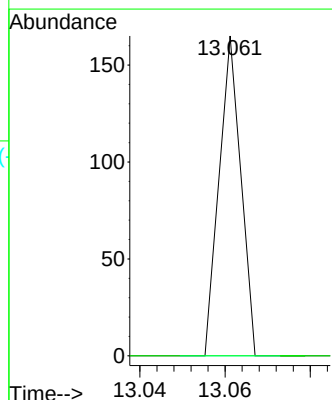
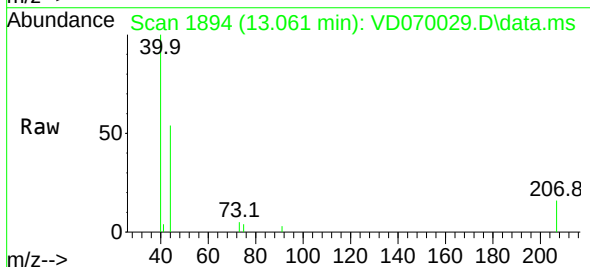
Instrument :
MSVOA_D
ClientSampled :

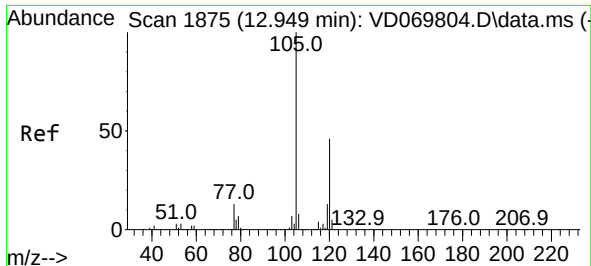
Tgt Ion: 91 Resp: 143
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.7#



#79
2-Chlorotoluene
Concen: 11.155 ug/l
RT: 13.061 min Scan# 1894
Delta R.T. 0.159 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Tgt Ion: 91 Resp: 58
Ion Ratio Lower Upper
91 100
126 0.0 15.9 47.7#

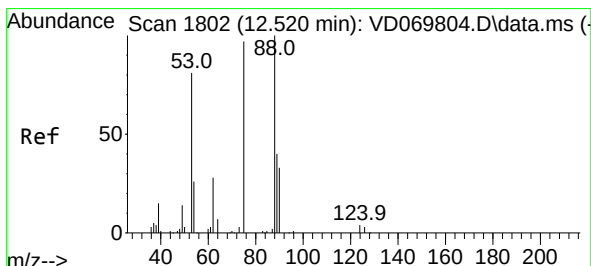
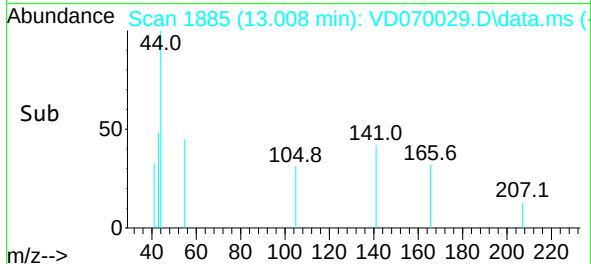
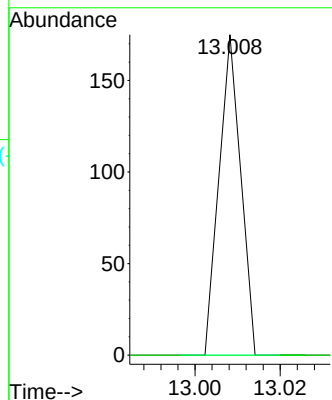
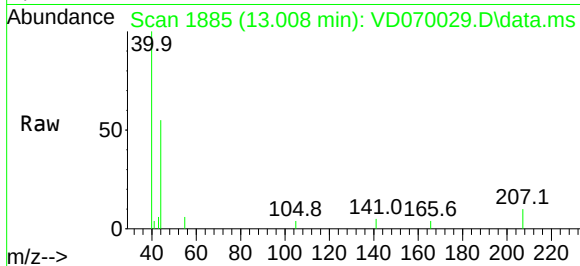




#80
1,3,5-Trimethylbenzene
Concen: 10.399 ug/l
RT: 13.008 min Scan# 1885
Delta R.T. 0.059 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

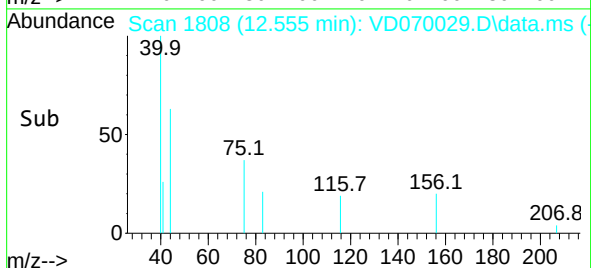
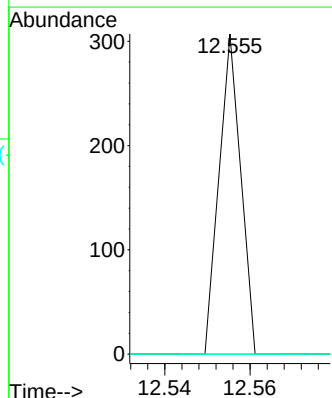
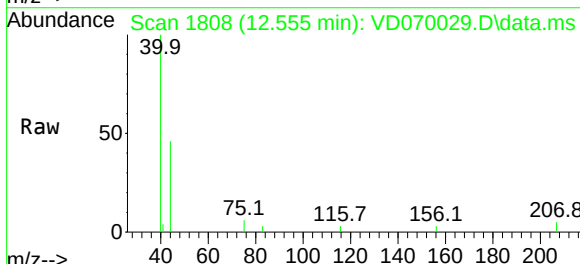
Instrument :
MSVOA_D
ClientSampleId :

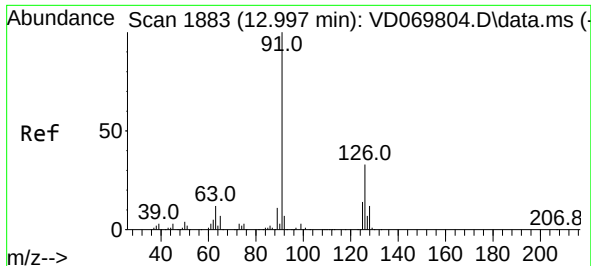
Tgt Ion:105 Resp: 62
Ion Ratio Lower Upper
105 100
120 0.0 23.8 71.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 317.780 ug/l
RT: 12.555 min Scan# 1808
Delta R.T. 0.035 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Tgt Ion: 75 Resp: 108
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#

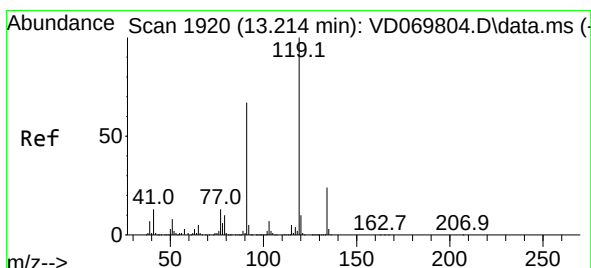
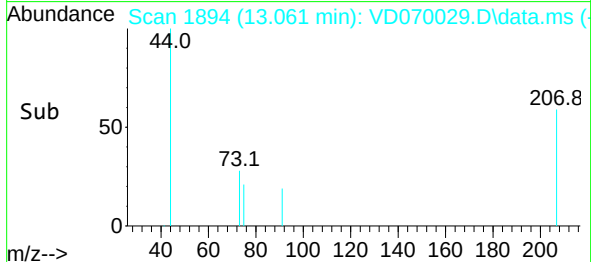
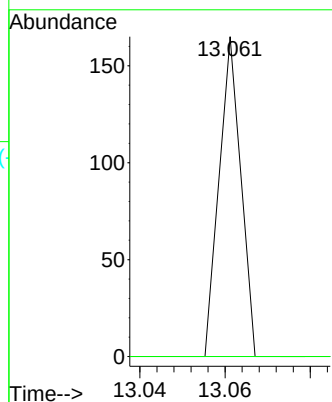
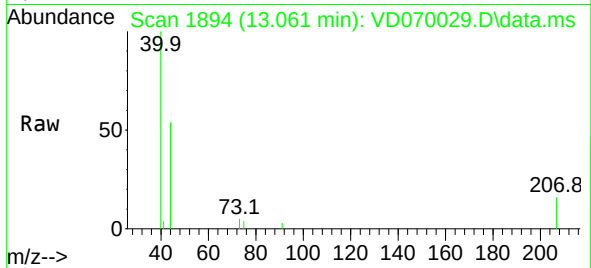




#82
4-Chlorotoluene
Concen: 10.670 ug/l
RT: 13.061 min Scan# 1894
Delta R.T. 0.065 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

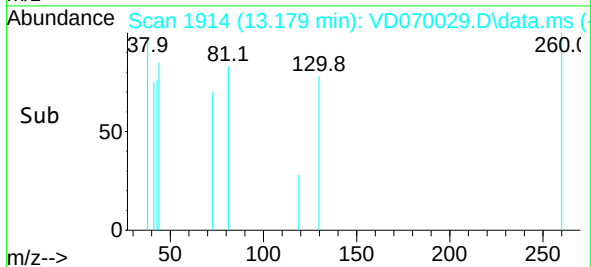
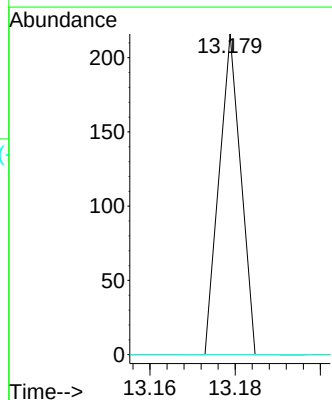
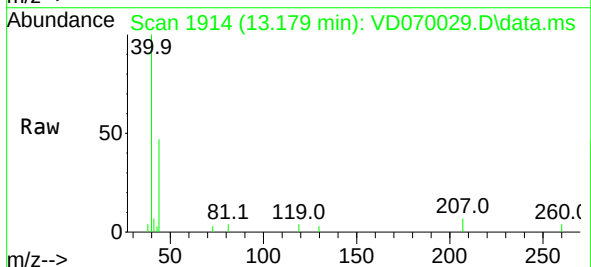
Instrument :
MSVOA_D
ClientSampleId :

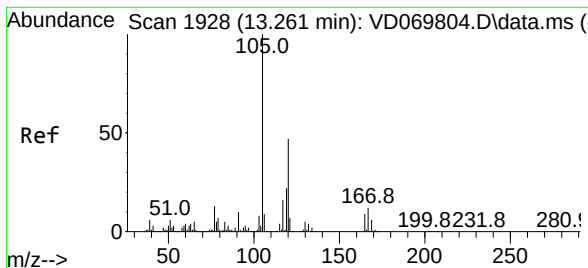
Tgt Ion: 91 Resp: 58
Ion Ratio Lower Upper
91 100
126 0.0 15.9 47.6#



#83
tert-Butylbenzene
Concen: 15.679 ug/l
RT: 13.179 min Scan# 1914
Delta R.T. -0.035 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Tgt Ion: 119 Resp: 76
Ion Ratio Lower Upper
119 100
91 0.0 33.7 101.1#
134 0.0 13.3 39.8#

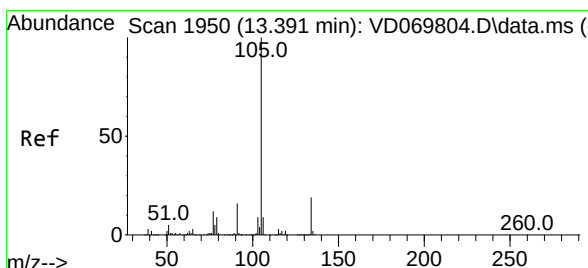
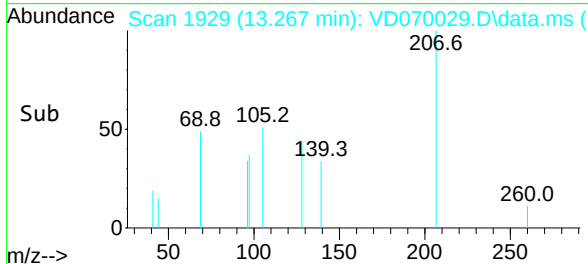
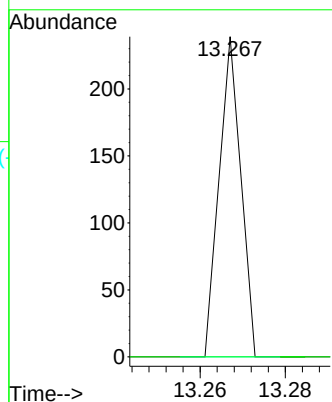
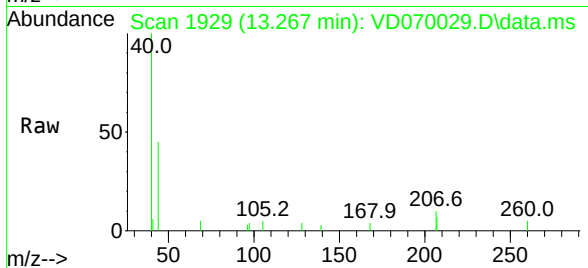




#84
1,2,4-Trimethylbenzene
Concen: 14.282 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.006 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

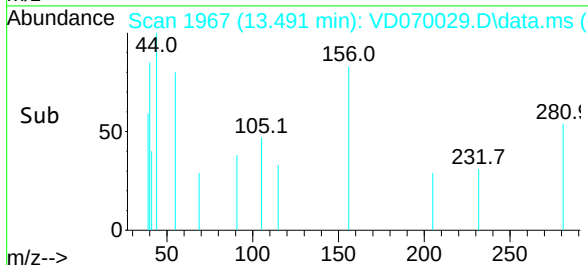
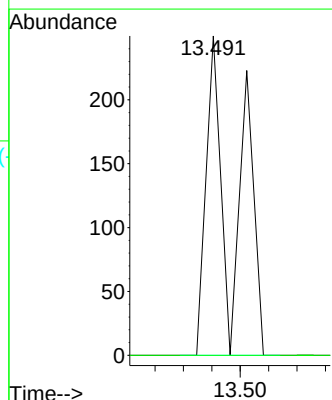
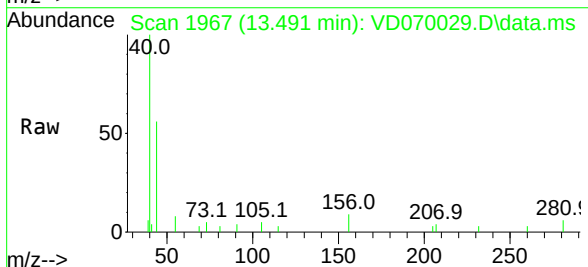
Instrument :
MSVOA_D
ClientSampleId :

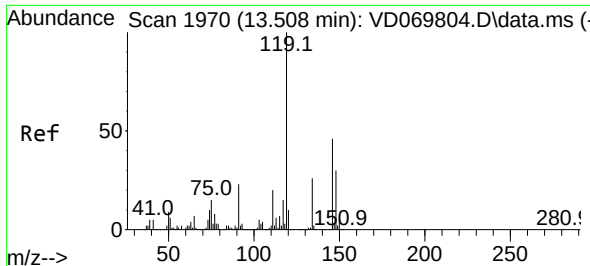
Tgt Ion:105 Resp: 84
Ion Ratio Lower Upper
105 100
120 0.0 22.6 67.8#



#85
sec-Butylbenzene
Concen: 21.793 ug/l
RT: 13.491 min Scan# 1967
Delta R.T. 0.100 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Tgt Ion:105 Resp: 167
Ion Ratio Lower Upper
105 100
134 0.0 9.6 28.6#

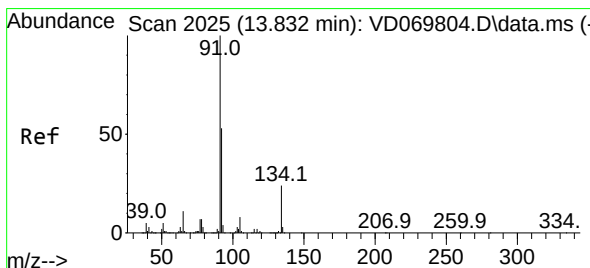
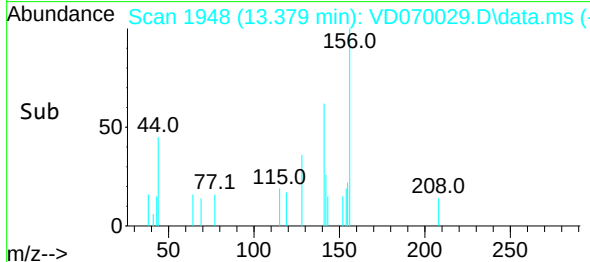
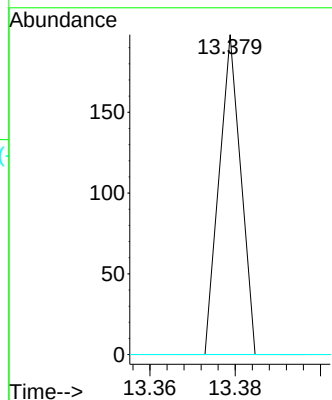
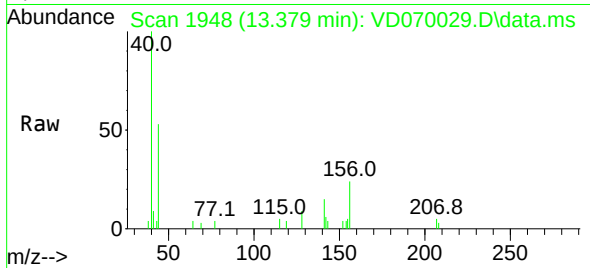




#86
p-Isopropyltoluene
Concen: 11.244 ug/l
RT: 13.379 min Scan# 1948
Delta R.T. -0.129 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

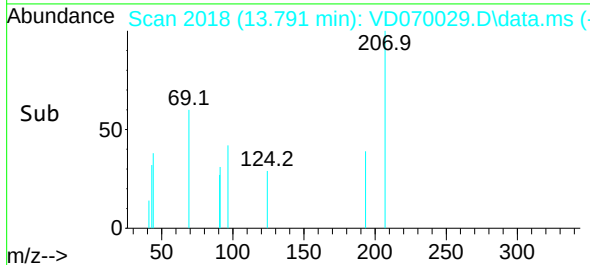
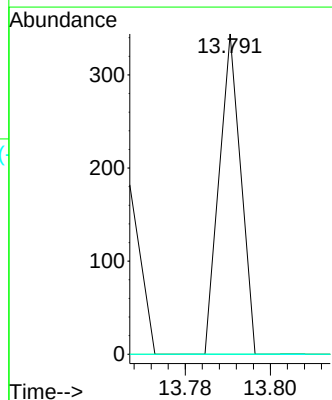
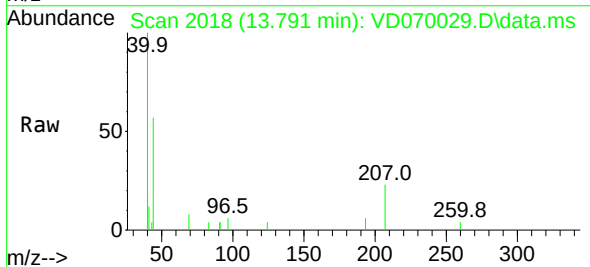
Instrument :
MSVOA_D
ClientSampleId :

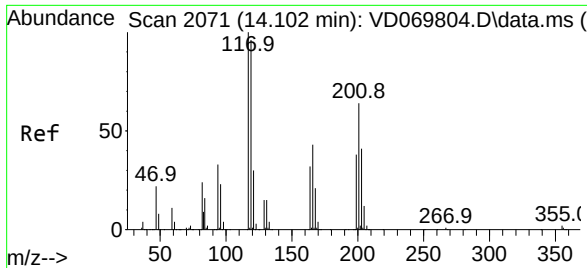
Tgt Ion:119 Resp: 70
Ion Ratio Lower Upper
119 100
134 0.0 12.6 37.8#
91 0.0 11.7 35.1#



#89
n-Butylbenzene
Concen: 19.694 ug/l
RT: 13.791 min Scan# 2018
Delta R.T. -0.041 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Tgt Ion: 91 Resp: 121
Ion Ratio Lower Upper
91 100
92 0.0 26.6 79.7#
134 0.0 11.9 35.7#

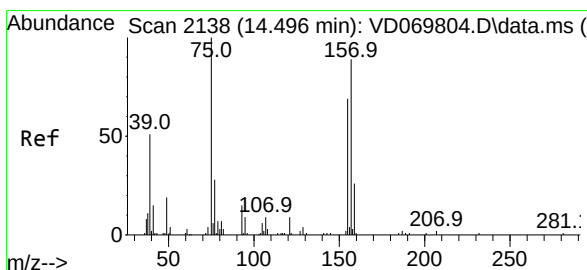
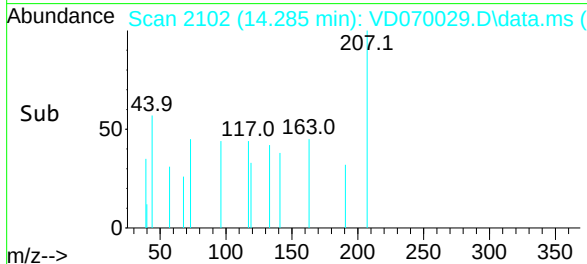
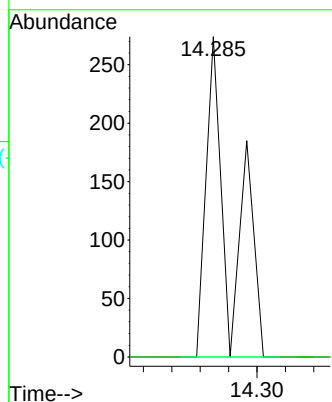
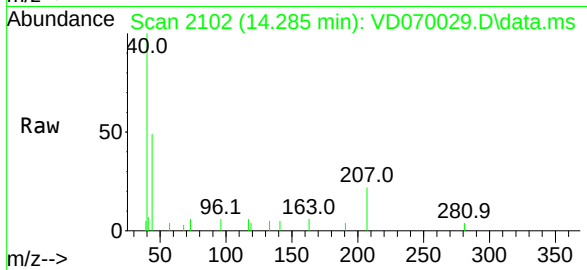




#90
Hexachloroethane
Concen: 122.843 ug/l
RT: 14.285 min Scan# 2102
Delta R.T. 0.182 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

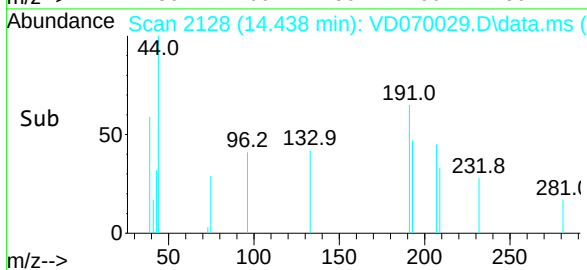
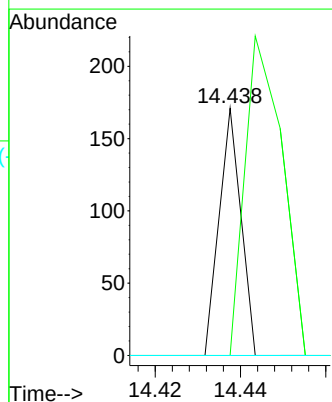
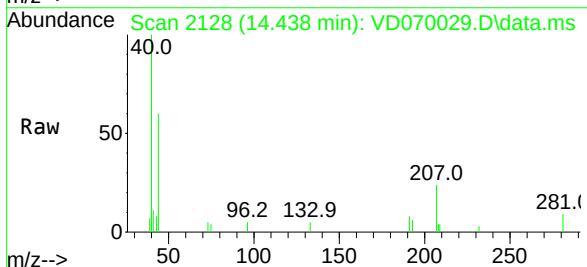
Instrument :
MSVOA_D
ClientSampled :

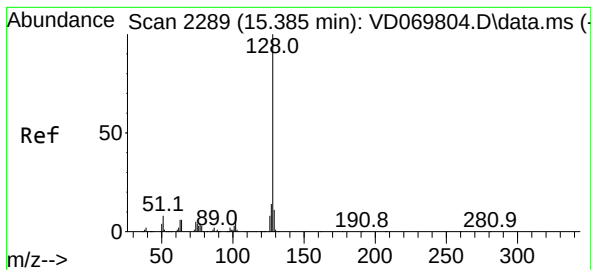
Tgt Ion:117 Resp: 162
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 299.368 ug/l
RT: 14.438 min Scan# 2128
Delta R.T. -0.059 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

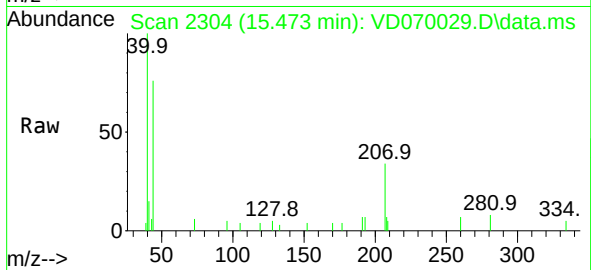
Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
155 221.7 36.3 108.9#
157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 26.857 ug/l
RT: 15.473 min Scan# 2304
Delta R.T. 0.088 min
Lab File: VD070029.D
Acq: 11 Aug 2021 17:59

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

