

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070389.D
 Acq On : 20 Sep 2021 17:40
 Operator : VA/SY
 Sample : M3792-03RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT4213RE

Quant Time: Sep 21 03:35:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

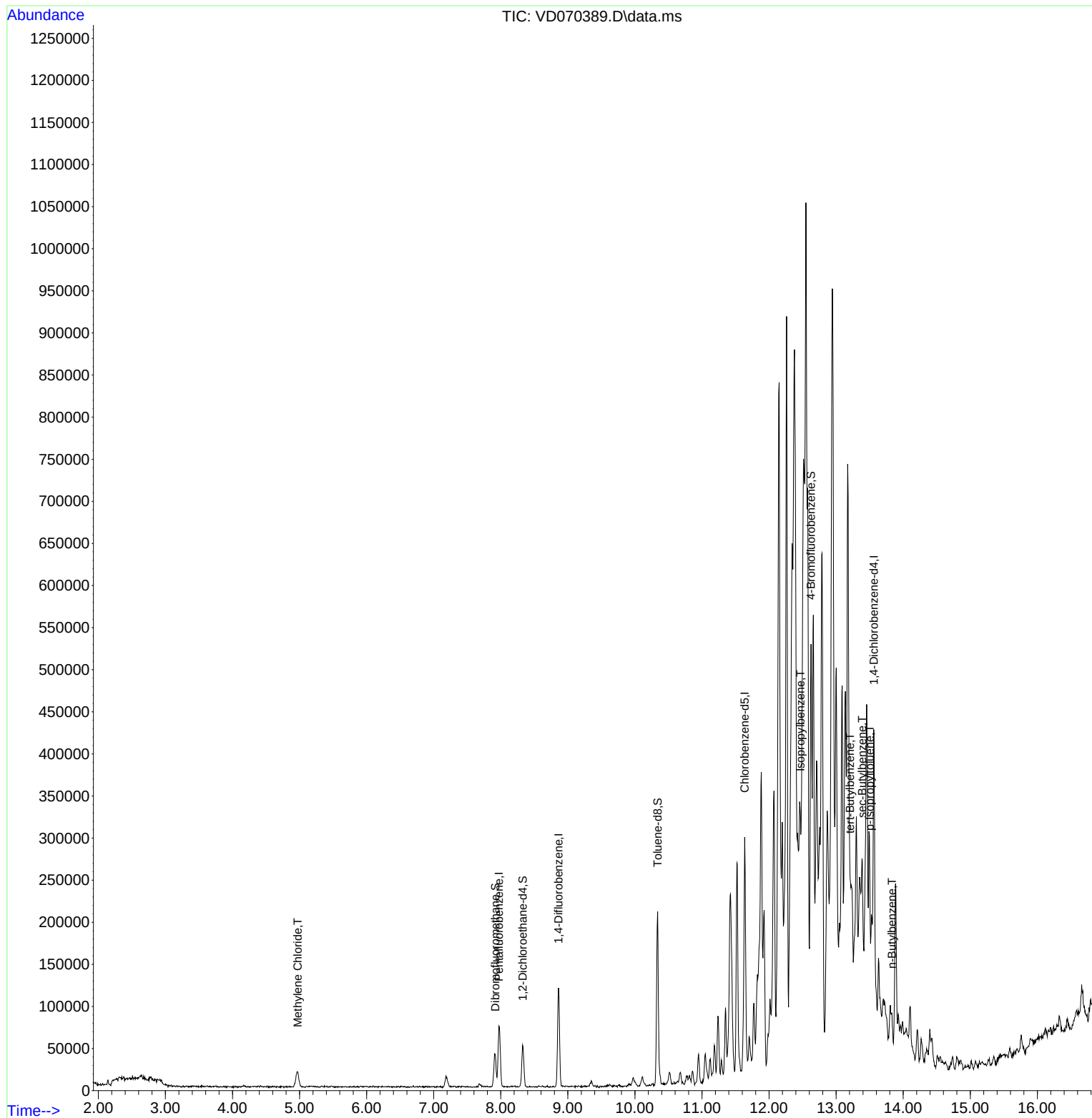
Internal Standards						
1) Pentafluorobenzene	7.973	168	51157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	100340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	154561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	70976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	38019	57.879	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.760%	
35) Dibromofluoromethane	7.920	113	29037	40.655	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 81.300%	
50) Toluene-d8	10.337	98	131955	50.885	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.760%	
62) 4-Bromofluorobenzene	12.625	95	99856	110.181	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 220.360%#	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.973	84	15284	15.971	ug/l #	84
73) Isopropylbenzene	12.467	105	9889	1.987	ug/l	87
83) tert-Butylbenzene	13.208	119	16294	4.729	ug/l	96
85) sec-Butylbenzene	13.390	105	45419	8.293	ug/l #	57
86) p-Isopropyltoluene	13.502	119	6731	1.530	ug/l	91
89) n-Butylbenzene	13.831	91	17957	4.093	ug/l #	81

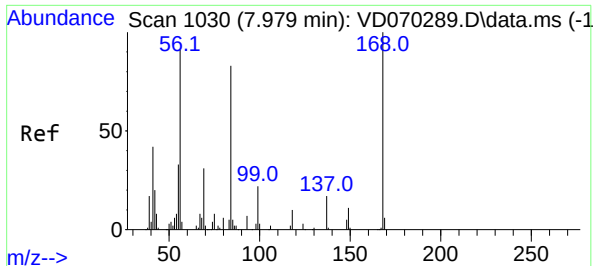
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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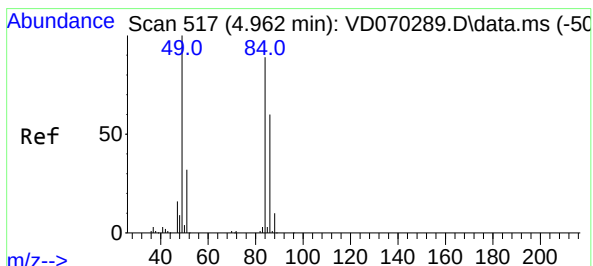
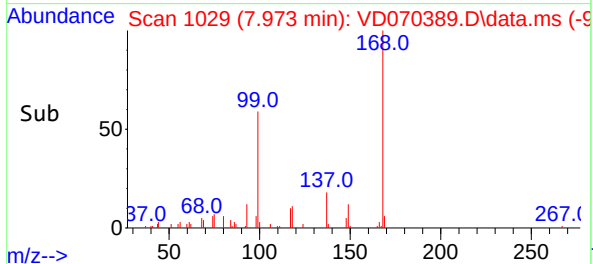
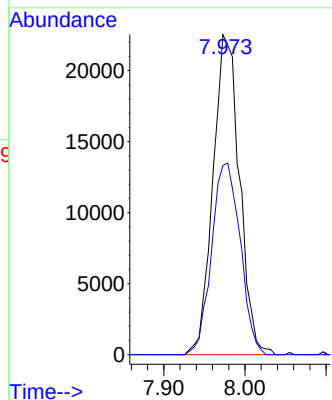
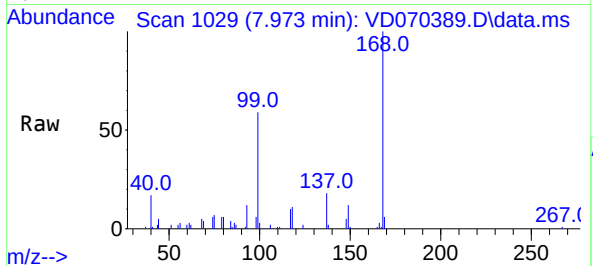




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070389.D
Acq: 20 Sep 2021 17:40

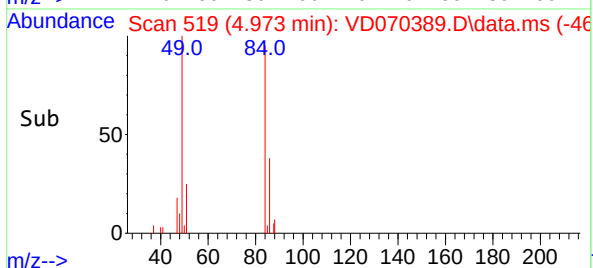
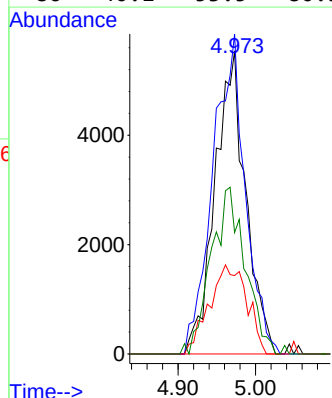
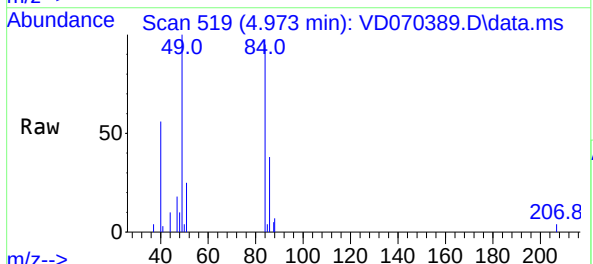
Instrument :
MSVOA_D
ClientSampleId :
RT4213RE

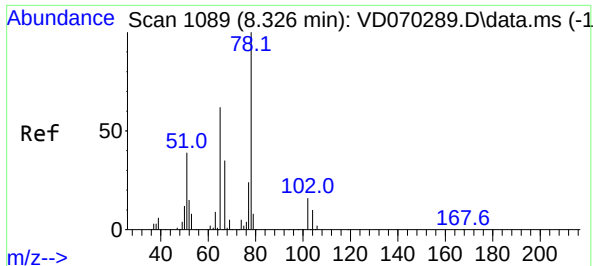
Tgt Ion:168 Resp: 51157
Ion Ratio Lower Upper
168 100
99 59.1 50.8 76.2



#20
Methylene Chloride
Concen: 15.971 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD070389.D
Acq: 20 Sep 2021 17:40

Tgt Ion: 84 Resp: 15284
Ion Ratio Lower Upper
84 100
49 105.6 89.6 134.4
51 25.9 28.6 43.0#
86 40.1 53.5 80.3#

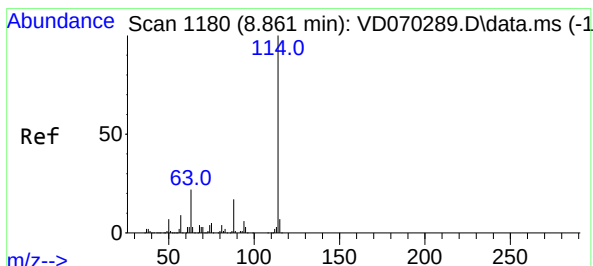
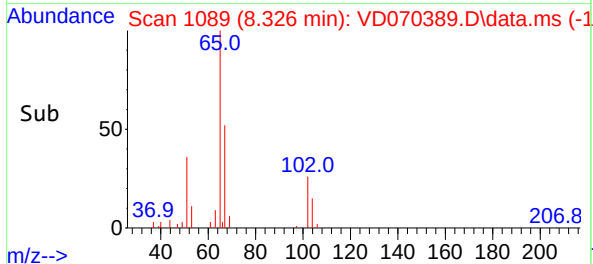
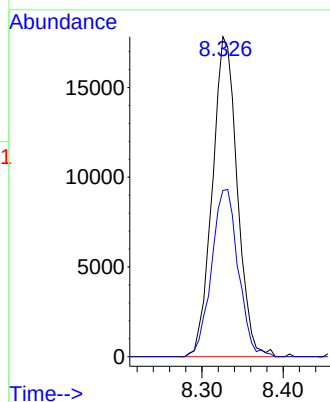
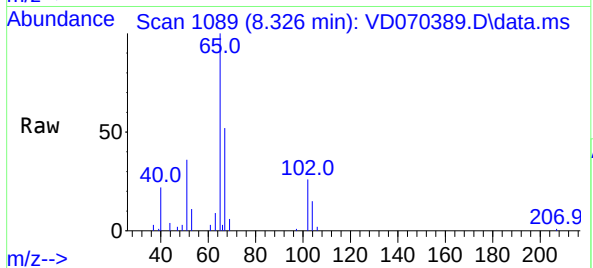




#33
1,2-Dichloroethane-d4
Concen: 57.879 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070389.D
Acq: 20 Sep 2021 17:40

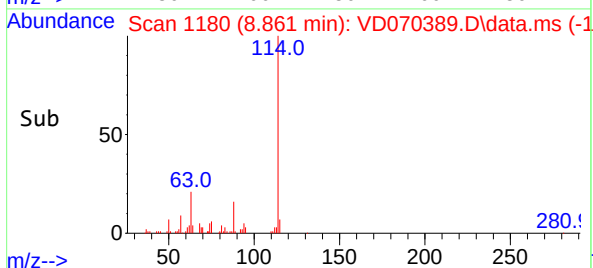
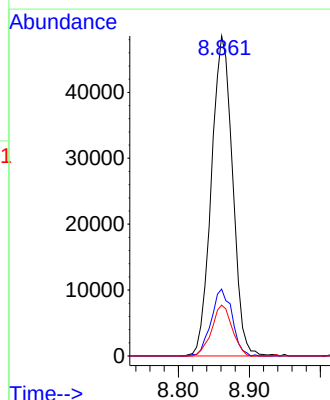
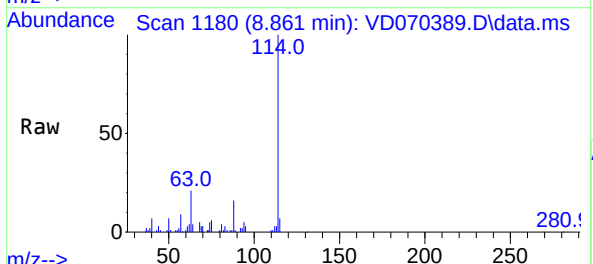
Instrument :
MSVOA_D
ClientSampleId :
RT4213RE

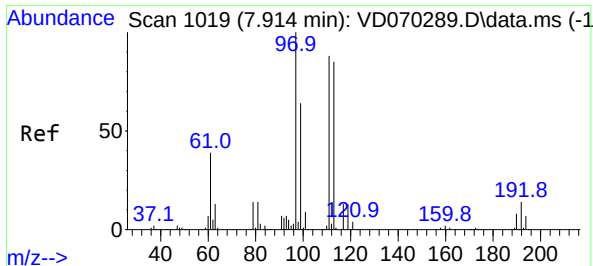
Tgt Ion: 65 Resp: 38019
Ion Ratio Lower Upper
65 100
67 56.0 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070389.D
Acq: 20 Sep 2021 17:40

Tgt Ion:114 Resp: 100340
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.4
88 15.9 0.0 33.4



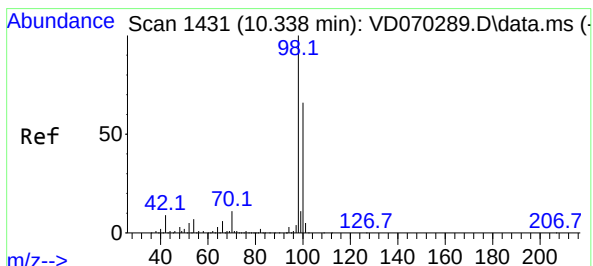
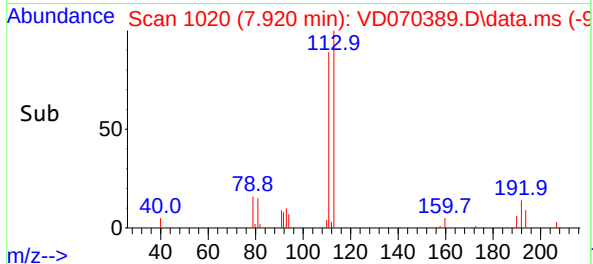
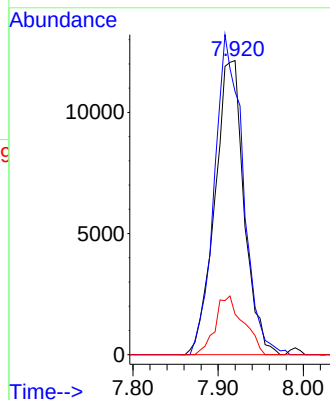
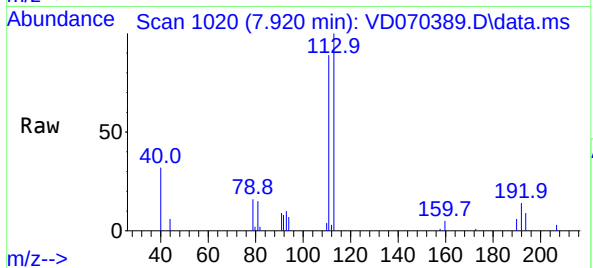


#35

Dibromofluoromethane
 Concen: 40.655 ug/l
 RT: 7.920 min Scan# 1020
 Delta R.T. 0.005 min
 Lab File: VD070389.D
 Acq: 20 Sep 2021 17:40

Instrument :
 MSVOA_D
 ClientSampleId :
 RT4213RE

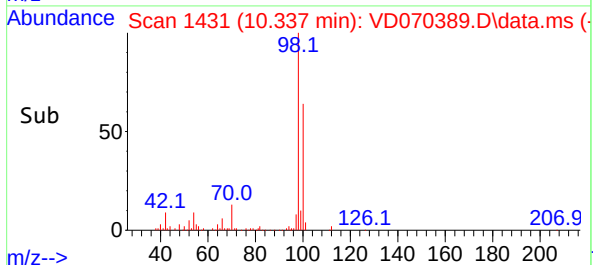
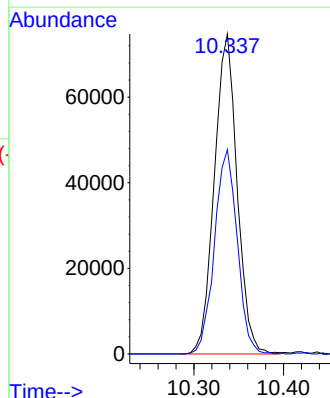
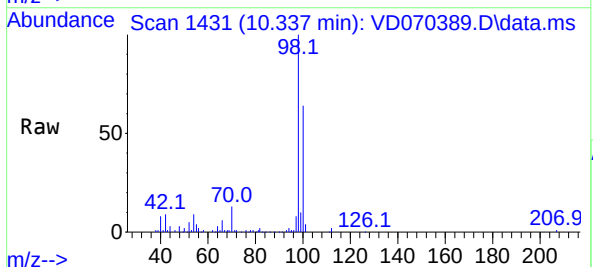
Tgt Ion:113 Resp: 29037
 Ion Ratio Lower Upper
 113 100
 111 106.5 81.4 122.2
 192 19.1 13.0 19.6

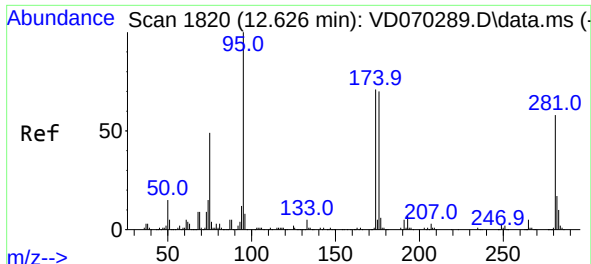


#50

Toluene-d8
 Concen: 50.885 ug/l
 RT: 10.337 min Scan# 1431
 Delta R.T. -0.000 min
 Lab File: VD070389.D
 Acq: 20 Sep 2021 17:40

Tgt Ion: 98 Resp: 131955
 Ion Ratio Lower Upper
 98 100
 100 63.7 52.0 78.0

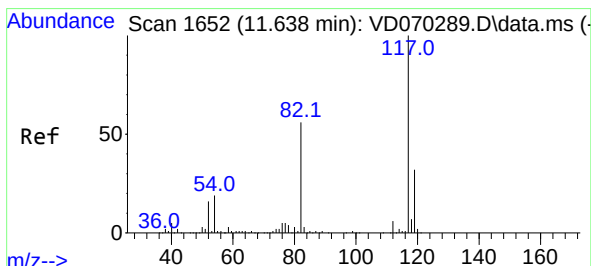
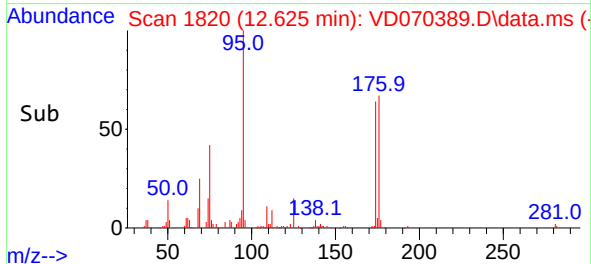
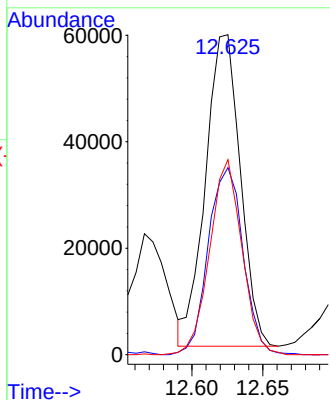
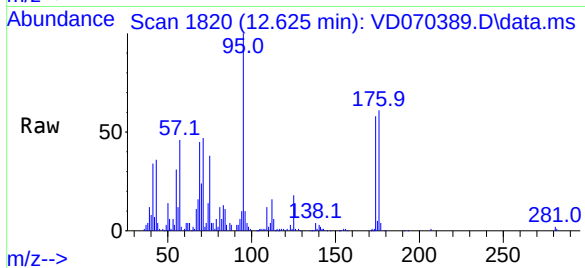




#62
4-Bromofluorobenzene
Concen: 110.181 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070389.D
Acq: 20 Sep 2021 17:40

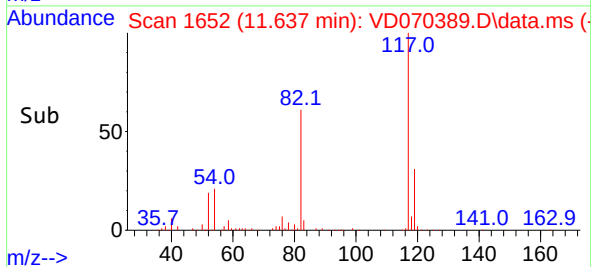
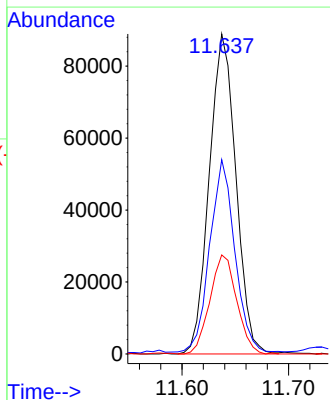
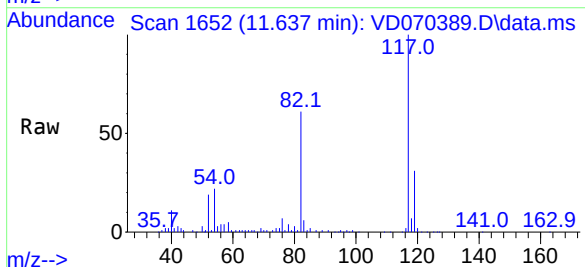
Instrument :
MSVOA_D
ClientSampleId :
RT4213RE

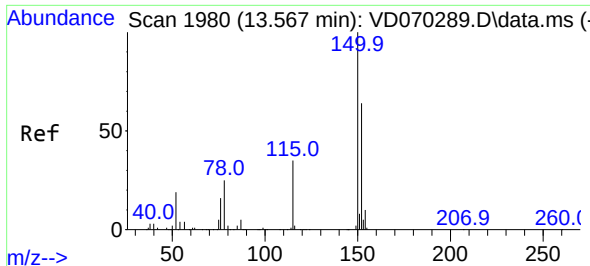
Tgt Ion: 95 Resp: 99856
Ion Ratio Lower Upper
95 100
174 60.3 0.0 140.6
176 57.9 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070389.D
Acq: 20 Sep 2021 17:40

Tgt Ion: 117 Resp: 154561
Ion Ratio Lower Upper
117 100
82 60.1 45.0 67.4
119 30.9 25.2 37.8

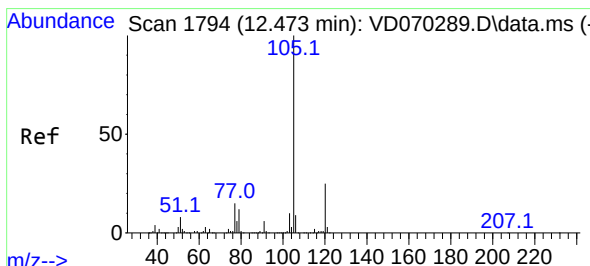
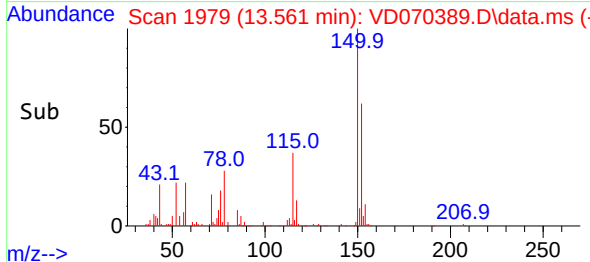
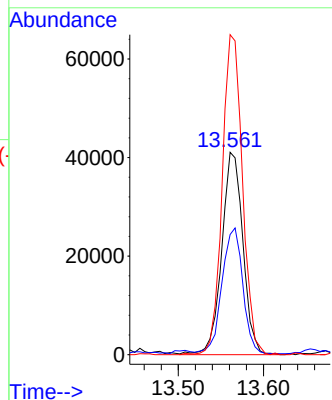
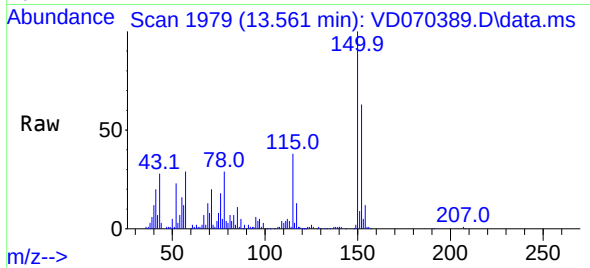




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070389.D
Acq: 20 Sep 2021 17:40

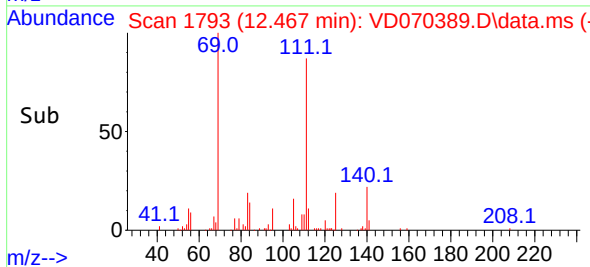
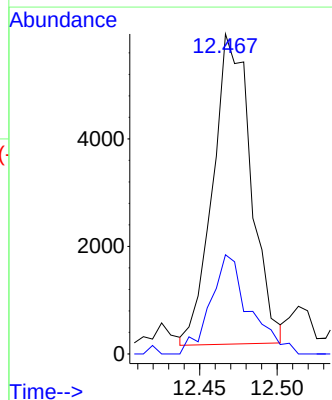
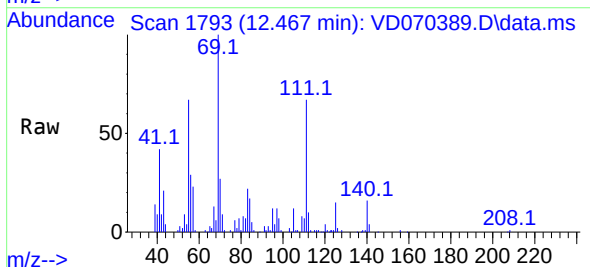
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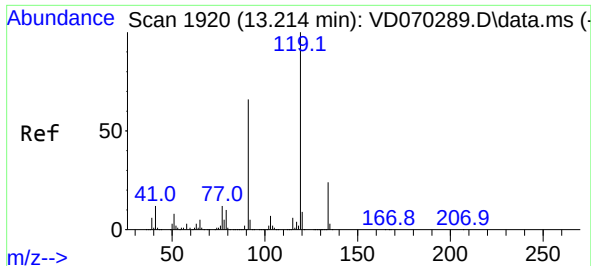
Tgt Ion:152 Resp: 70976
Ion Ratio Lower Upper
152 100
115 61.2 32.1 96.3
150 150.9 0.0 350.6



#73
Isopropylbenzene
Concen: 1.987 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD070389.D
Acq: 20 Sep 2021 17:40

Tgt Ion:105 Resp: 9889
Ion Ratio Lower Upper
105 100
120 32.6 13.0 38.9

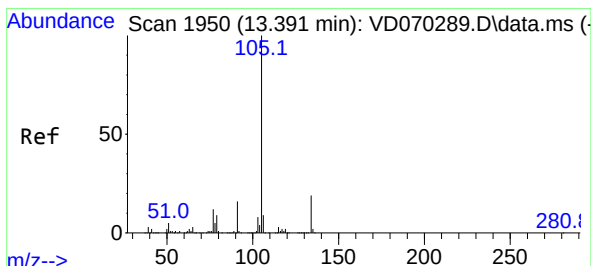
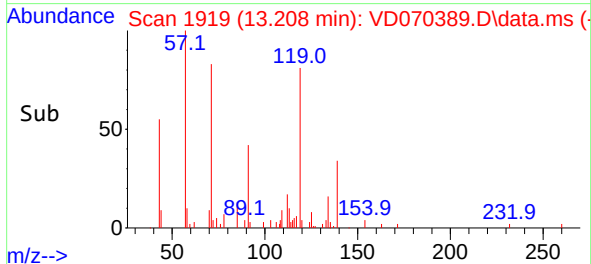
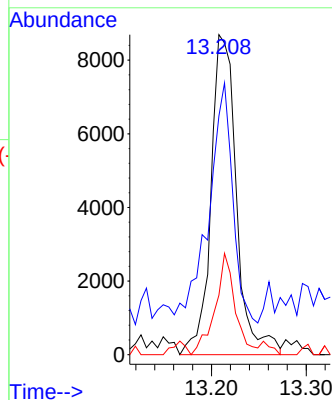
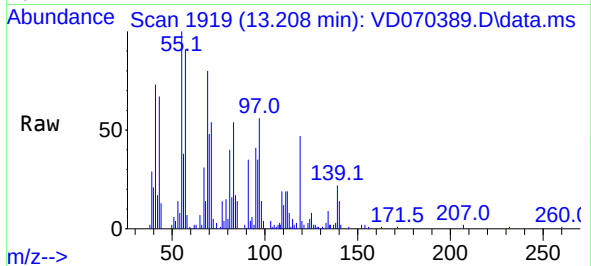




#83
tert-Butylbenzene
Concen: 4.729 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD070389.D
Acq: 20 Sep 2021 17:40

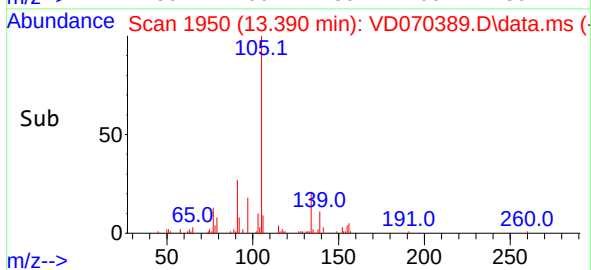
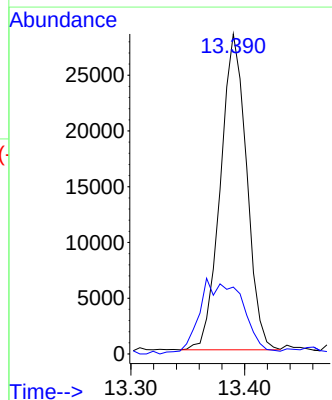
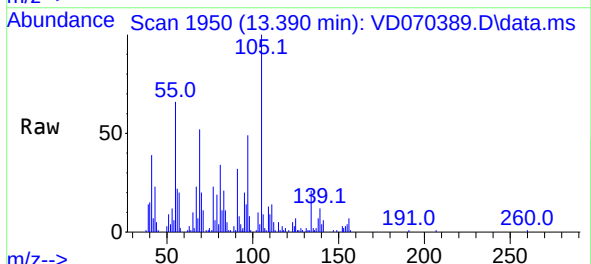
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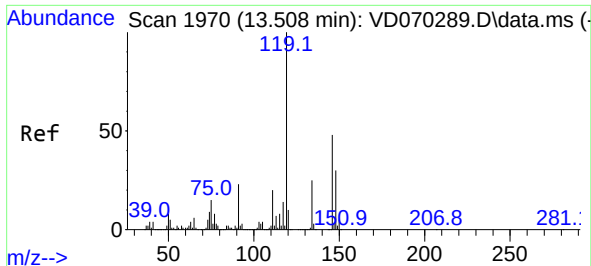
Tgt Ion:	119	Resp:	16294
Ion	Ratio	Lower	Upper
119	100		
91	70.6	33.7	101.0
134	24.8	13.2	39.5



#85
sec-Butylbenzene
Concen: 8.293 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD070389.D
Acq: 20 Sep 2021 17:40

Tgt Ion:	105	Resp:	45419
Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.8	29.3#

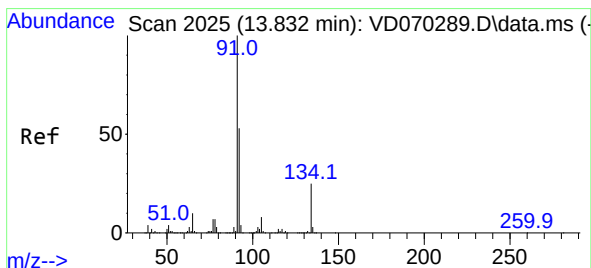
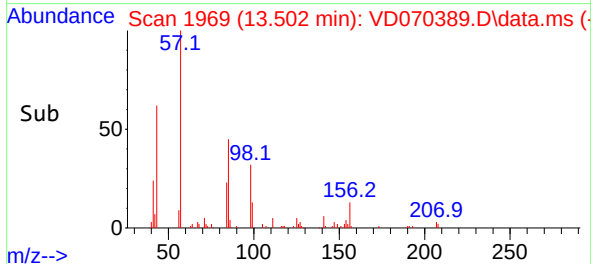
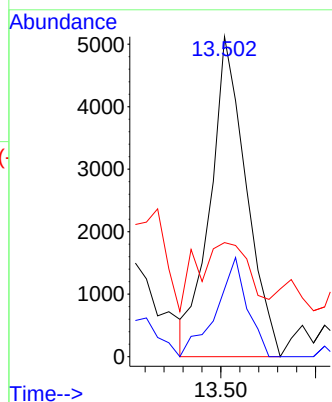
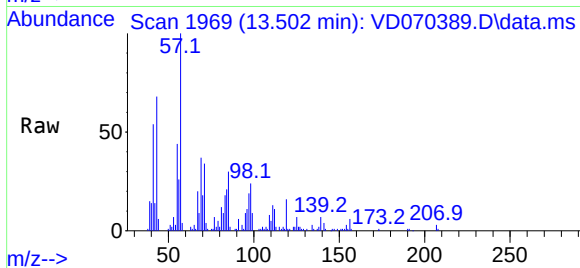




#86
p-Isopropyltoluene
Concen: 1.530 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD070389.D
Acq: 20 Sep 2021 17:40

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion:	119	Resp:	6731
Ion	Ratio	Lower	Upper
119	100		
134	26.9	12.7	38.0
91	31.2	11.8	35.3



#89
n-Butylbenzene
Concen: 4.093 ug/l
RT: 13.831 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD070389.D
Acq: 20 Sep 2021 17:40

Tgt Ion:	91	Resp:	17957
Ion	Ratio	Lower	Upper
91	100		
92	49.3	26.8	80.4
134	0.0	12.1	36.3

