

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092721\
 Data File : VD070483.D
 Acq On : 27 Sep 2021 17:47
 Operator : VA/SY
 Sample : VIBLK
 Misc : 6.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Sep 28 04:15:49 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)

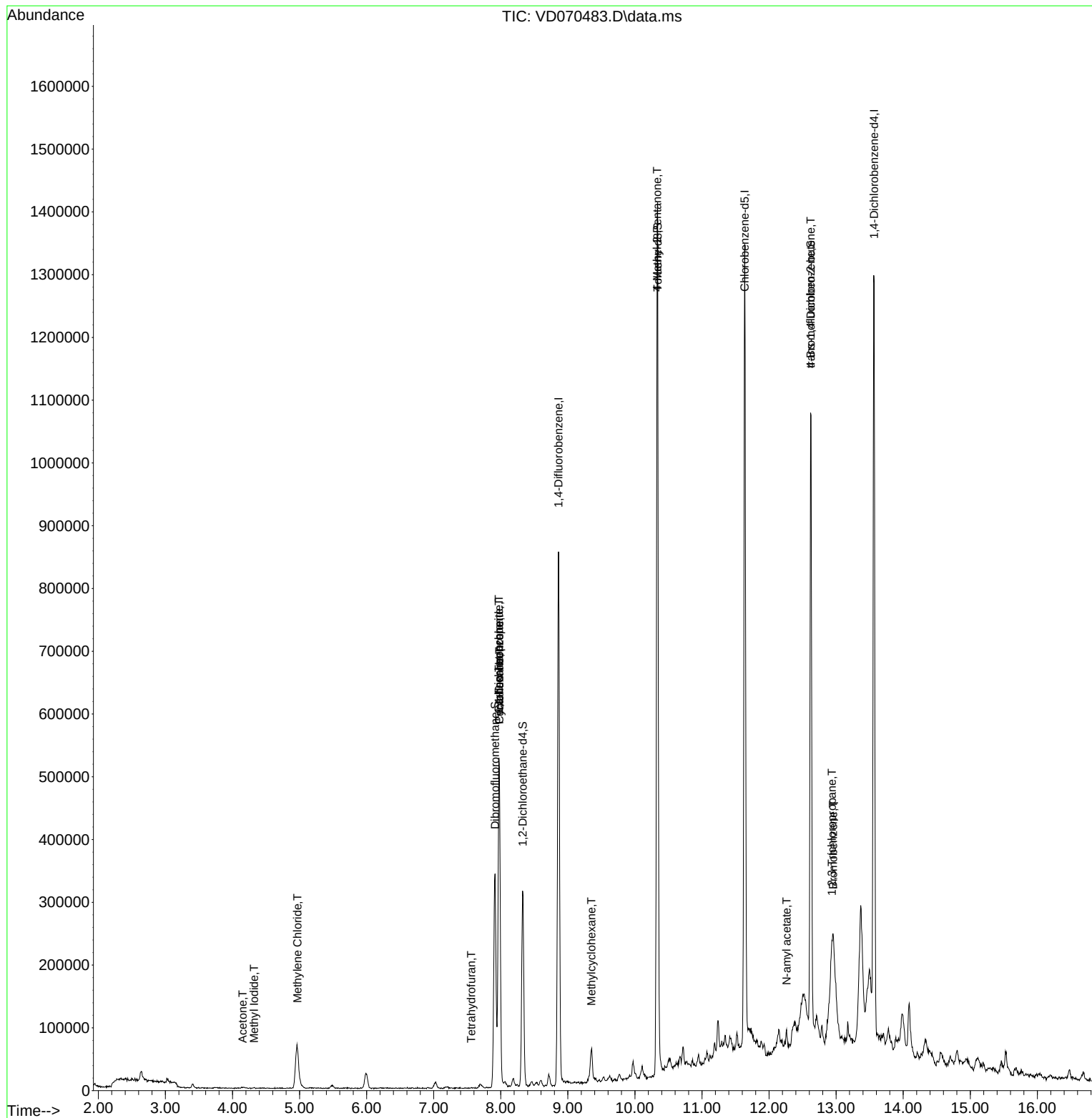
Internal Standards						
1) Pentafluorobenzene	7.979	168	357434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	720216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	755007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	336664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	246599	53.731	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.460%	
35) Dibromofluoromethane	7.914	113	251457	49.050	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.100%	
50) Toluene-d8	10.338	98	948715	50.969	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.940%	
62) 4-Bromofluorobenzene	12.620	95	356308	54.773	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.540%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	126	Below Cal	#	43
3) Chloromethane	2.203	50	622	Below Cal		94
5) Bromomethane	2.773	94	1256	Below Cal		91
6) Chloroethane	2.926	64	182	Below Cal	#	1
10) Methyl Iodide	4.320	142	344	1.105	ug/l #	39
16) Acetone	4.150	43	1540	1.879	ug/l	89
18) Methyl Acetate	4.714	43	115	Below Cal	#	48
20) Methylene Chloride	4.967	84	56169	4.371	ug/l	92
29) Tetrahydrofuran	7.561	42	719	1.027	ug/l #	49
31) Cyclohexane	7.979	56	15800	1.999	ug/l #	27
36) 1,1-Dichloropropene	7.973	75	31702	4.118	ug/l #	45
38) Carbon Tetrachloride	7.973	117	38196	5.017	ug/l #	20
39) Methylcyclohexane	9.349	83	20713	2.408	ug/l	97
51) 4-Methyl-2-Pentanone	10.332	43	5214	1.893	ug/l #	1
74) N-amyl acetate	12.261	43	7072	1.375	ug/l #	54
76) 1,2,3-Trichloropropane	12.938	75	5268	1.547	ug/l	54
77) Bromobenzene	12.955	156	186955	34.322	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	168720	124.139	ug/l #	18

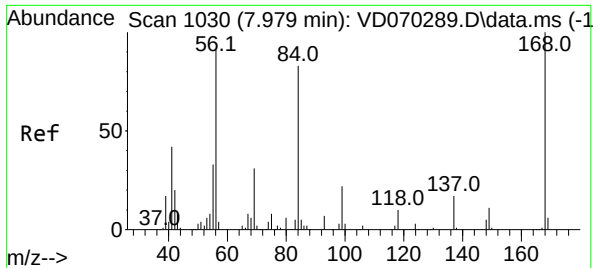
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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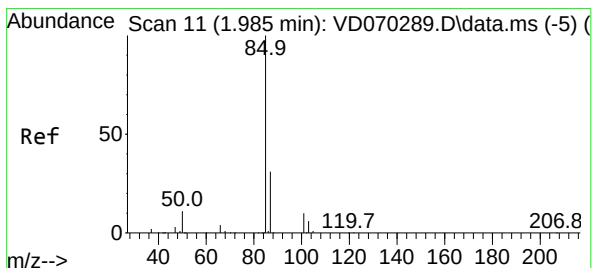
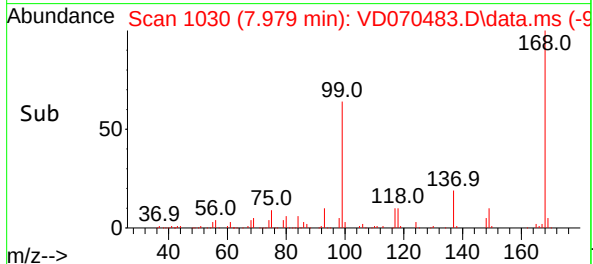
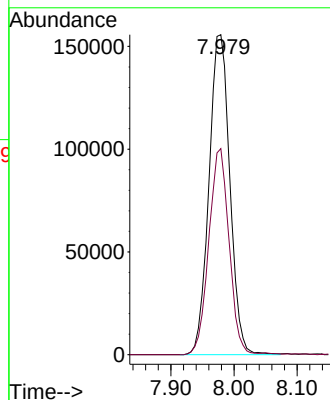
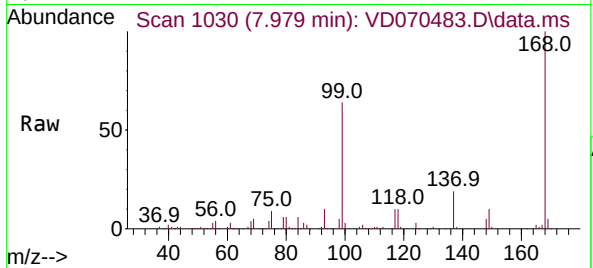




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

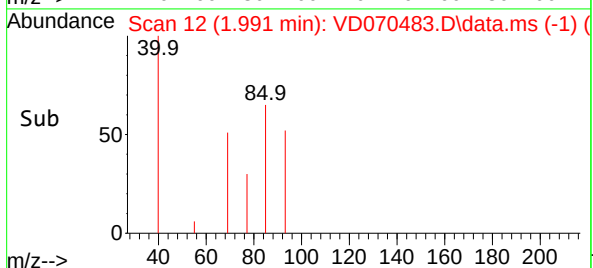
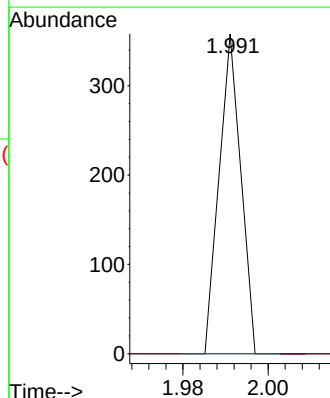
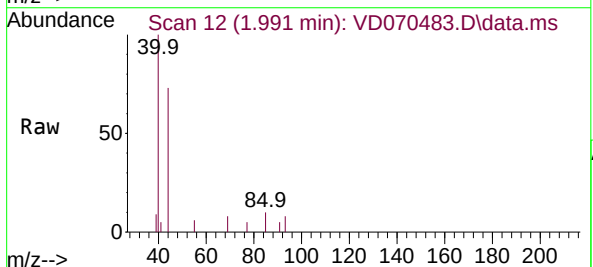
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

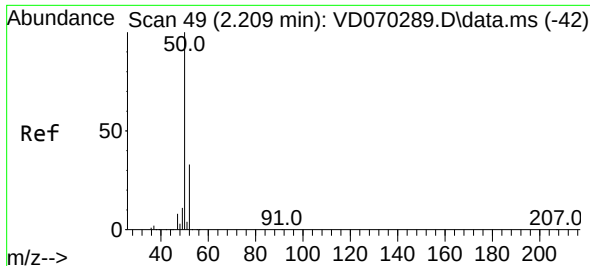
Tgt Ion:168 Resp: 357434
Ion Ratio Lower Upper
168 100
99 64.4 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

Tgt Ion: 85 Resp: 126
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

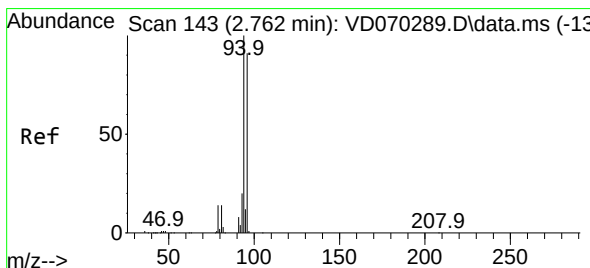
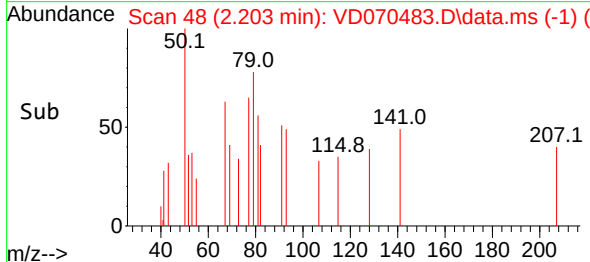
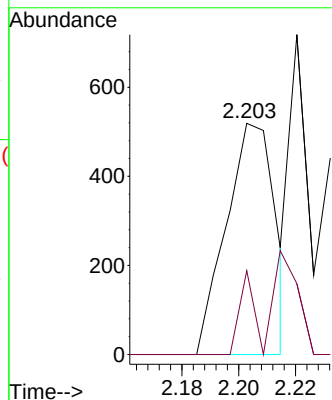
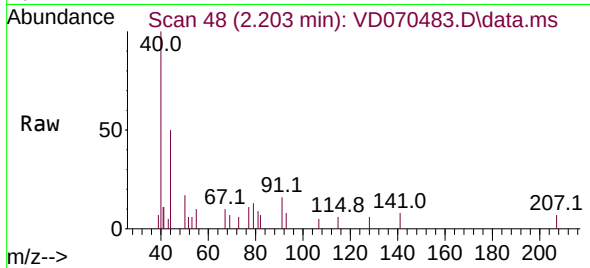




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

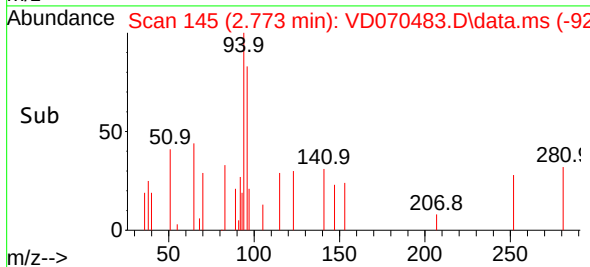
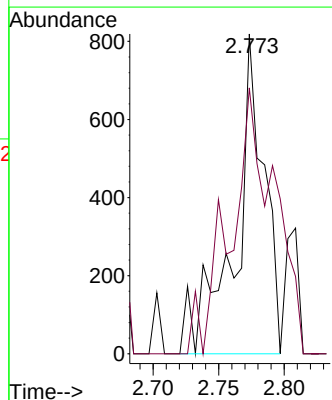
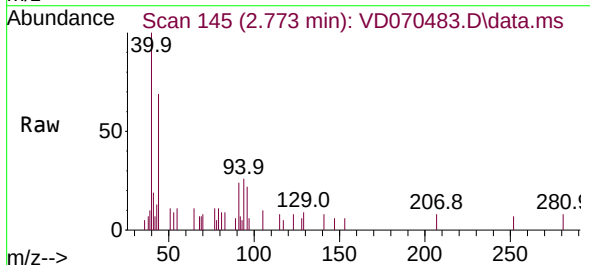
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

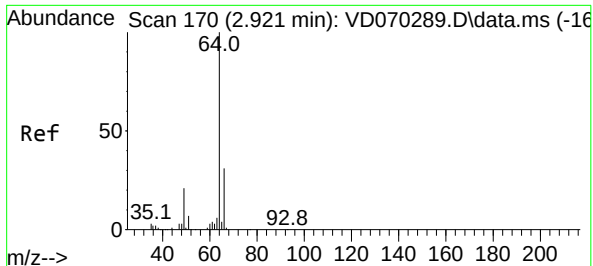
Tgt Ion: 50 Resp: 622
Ion Ratio Lower Upper
50 100
52 36.2 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

Tgt Ion: 94 Resp: 1256
Ion Ratio Lower Upper
94 100
96 83.2 73.0 109.6

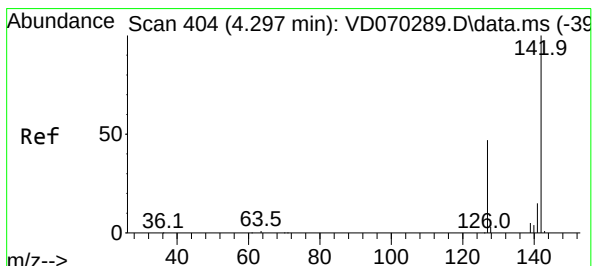
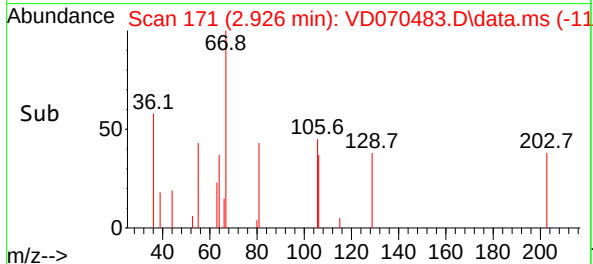
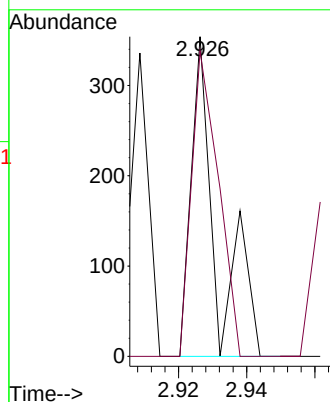
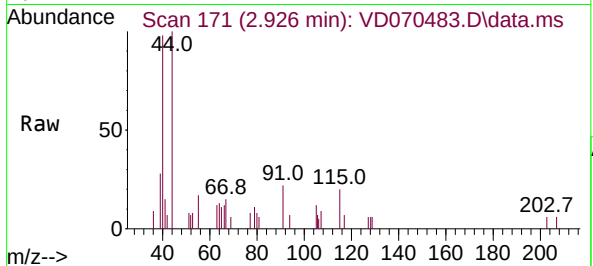




#6
Chloroethane
Concen: Below Cal
RT: 2.926 min Scan# 171
Delta R.T. 0.005 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

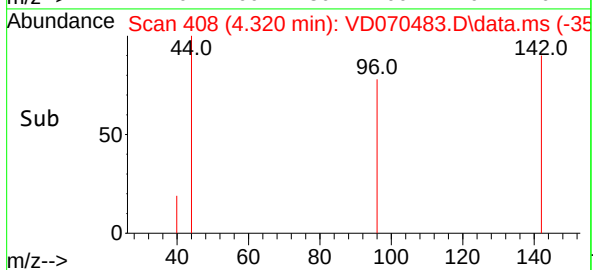
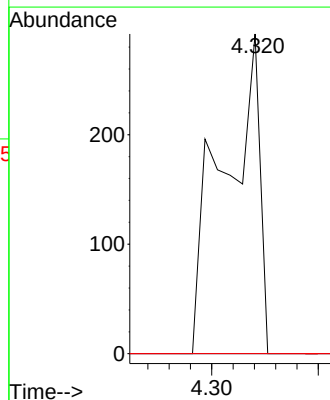
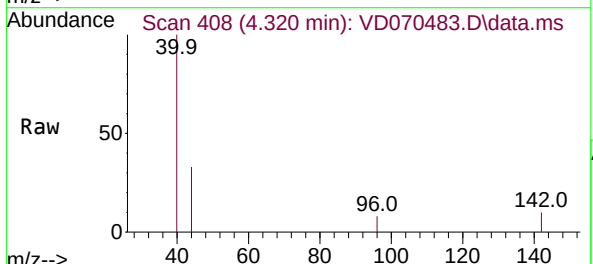
Instrument :
MSVOA_D
ClientSampled :
VIBLK

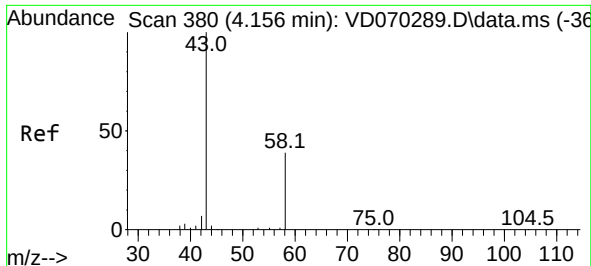
Tgt Ion: 64 Resp: 182
Ion Ratio Lower Upper
64 100
66 95.5 25.0 37.4#



#10
Methyl Iodide
Concen: 1.105 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

Tgt Ion: 142 Resp: 344
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

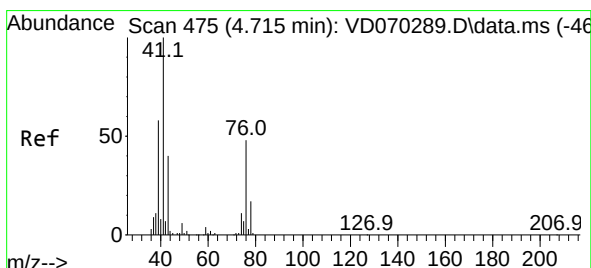
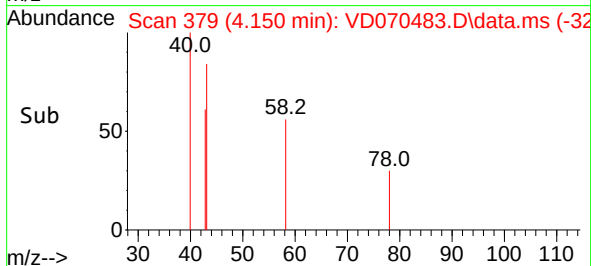
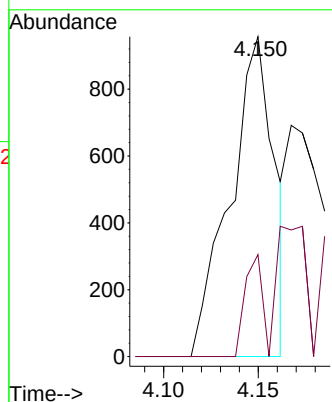
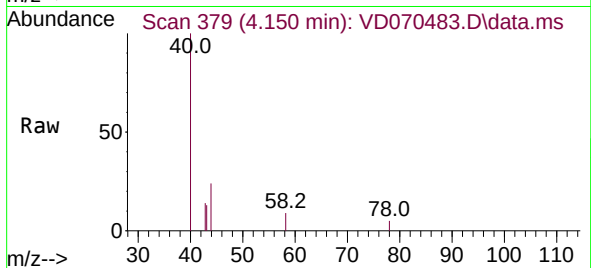




#16
Acetone
Concen: 1.879 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

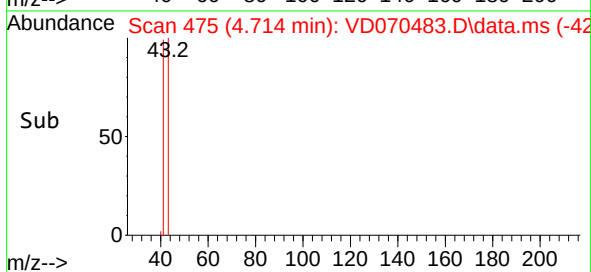
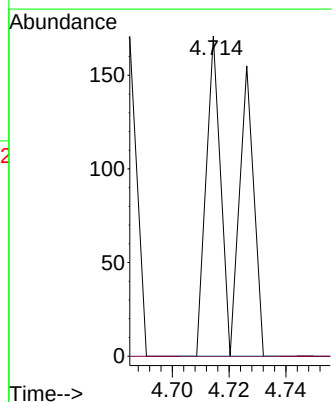
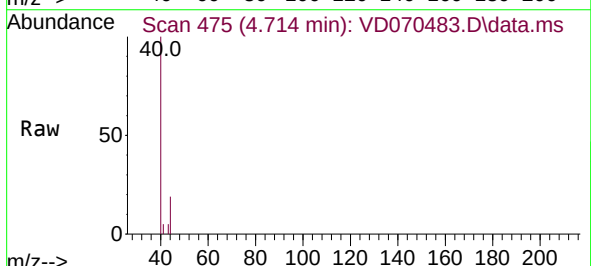
Instrument :
MSVOA_D
ClientSampled :
VIBLK

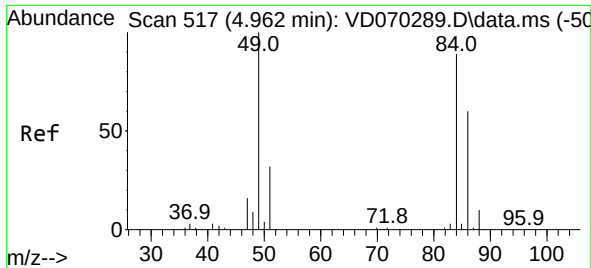
Tgt Ion: 43 Resp: 1540
Ion Ratio Lower Upper
43 100
58 31.9 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.001 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

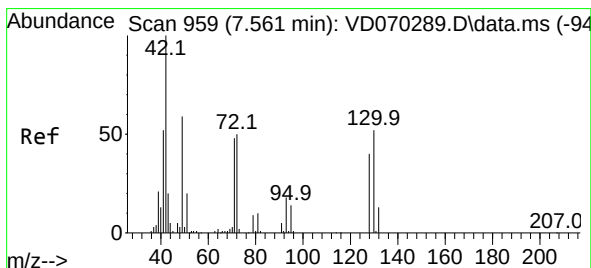
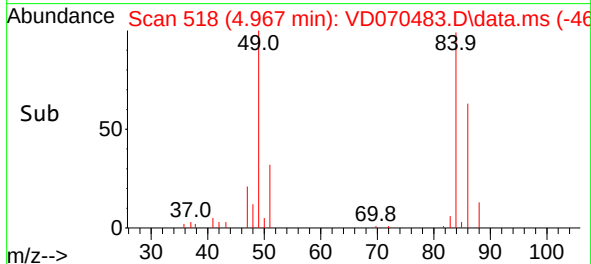
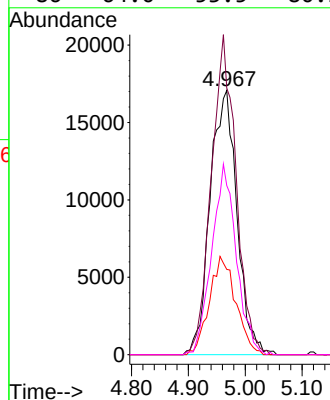
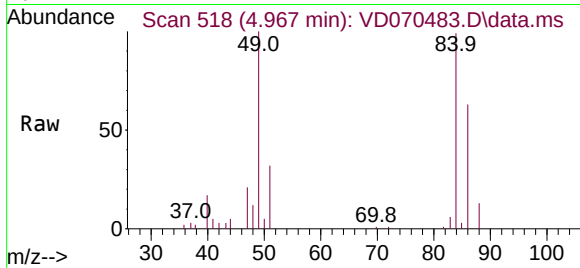




#20
Methylene Chloride
Concen: 4.371 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

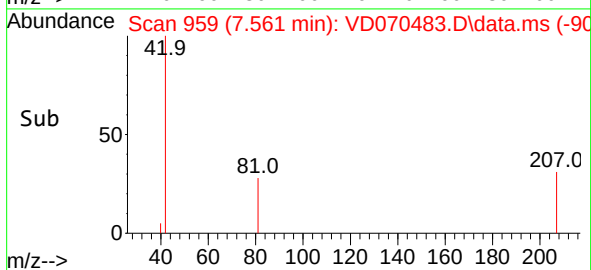
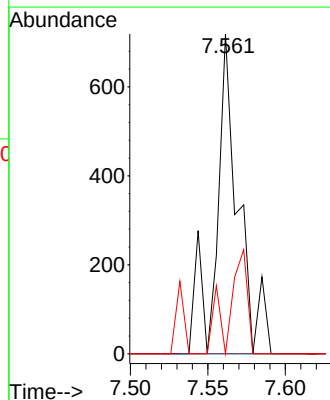
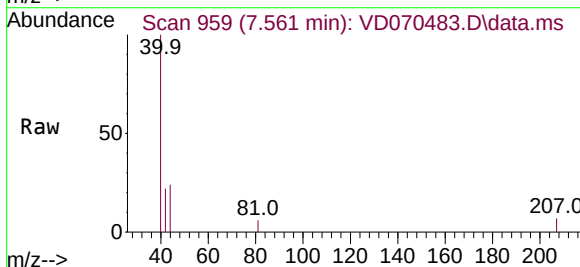
Instrument :
MSVOA_D
ClientSampled :
VIBLK

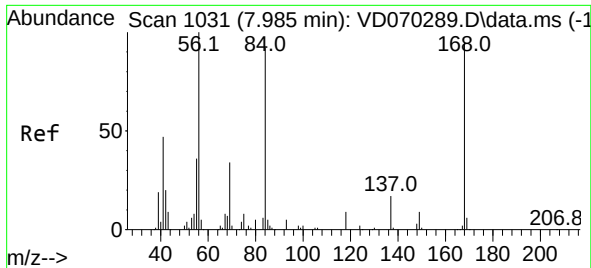
Tgt Ion:	84	Resp:	56169
Ion	Ratio	Lower	Upper
84	100		
49	100.9	89.6	134.4
51	32.3	28.6	43.0
86	64.0	53.5	80.3



#29
Tetrahydrofuran
Concen: 1.027 ug/l
RT: 7.561 min Scan# 959
Delta R.T. -0.000 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

Tgt Ion:	42	Resp:	719
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.8	58.2#
71	27.4	37.8	56.6#

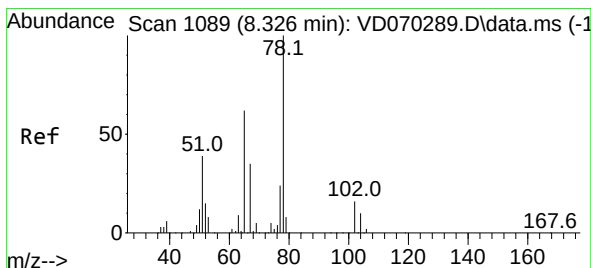
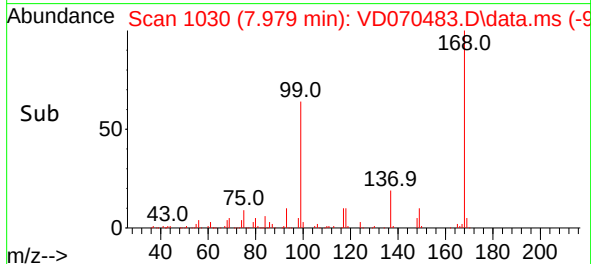
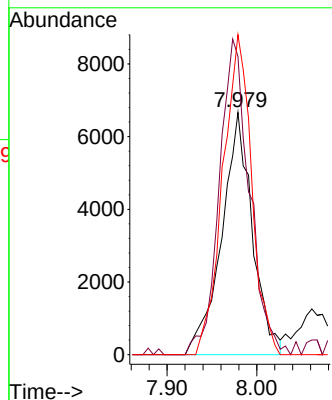
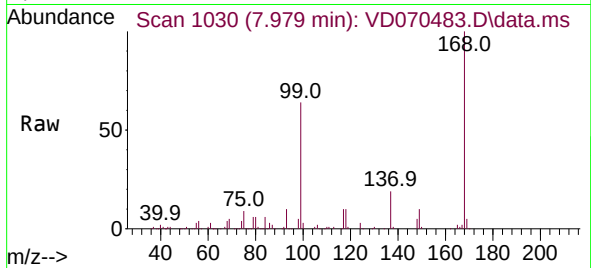




#31
Cyclohexane
Concen: 1.999 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

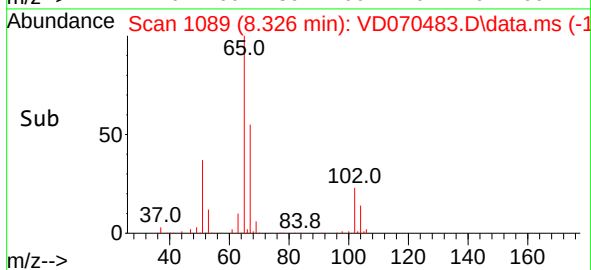
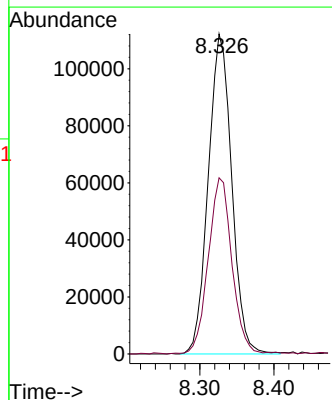
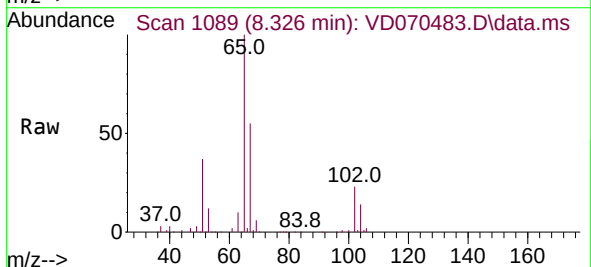
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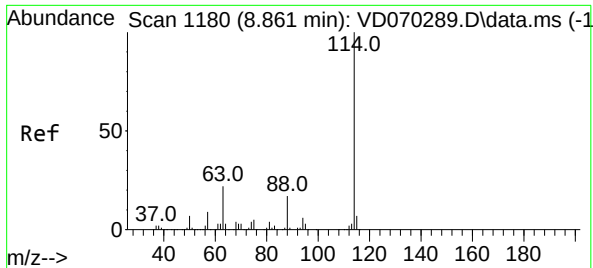
Tgt Ion: 56 Resp: 15800
Ion Ratio Lower Upper
56 100
69 123.1 26.9 40.3#
84 132.1 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 53.731 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

Tgt Ion: 65 Resp: 246599
Ion Ratio Lower Upper
65 100
67 55.8 0.0 111.4

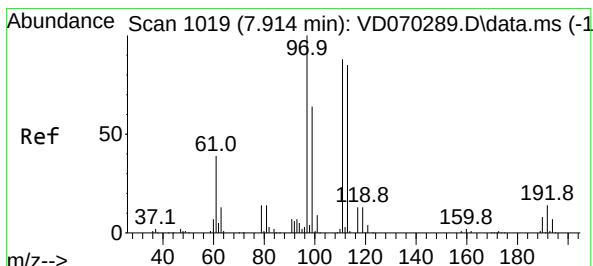
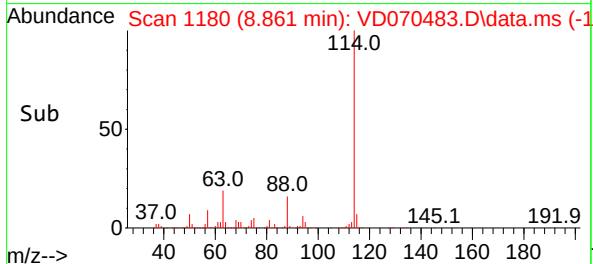
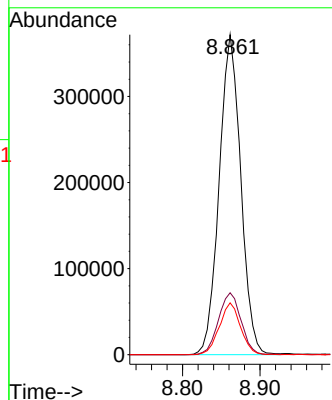
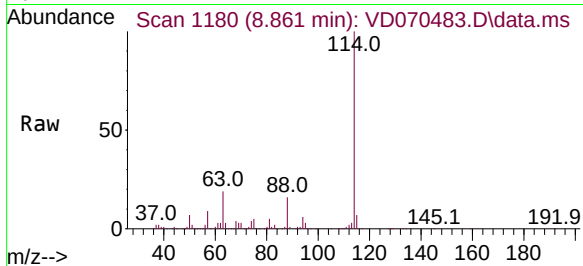




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

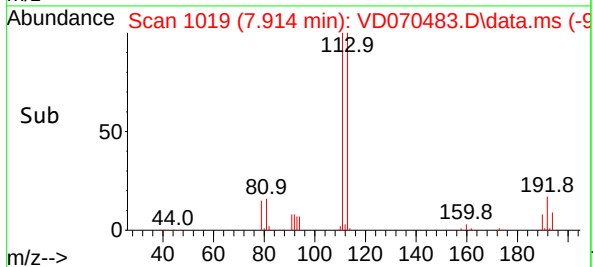
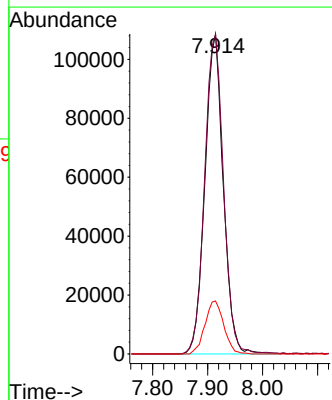
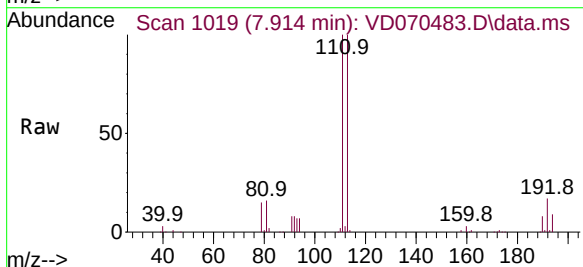
Instrument :
MSVOA_D
ClientSampled :
VIBLK

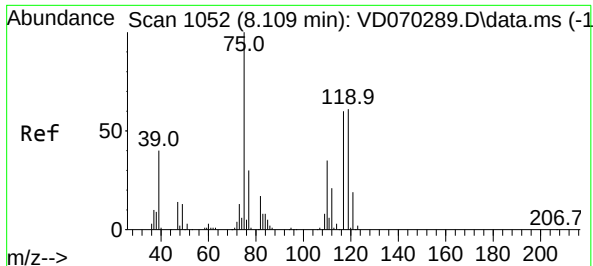
Tgt Ion:	114	Resp:	720216
Ion Ratio	Lower	Upper	
114	100		
63	19.3	0.0	43.4
88	16.2	0.0	33.4



#35
Dibromofluoromethane
Concen: 49.050 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

Tgt Ion:	113	Resp:	251457
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.4	122.2
192	17.0	13.0	19.6

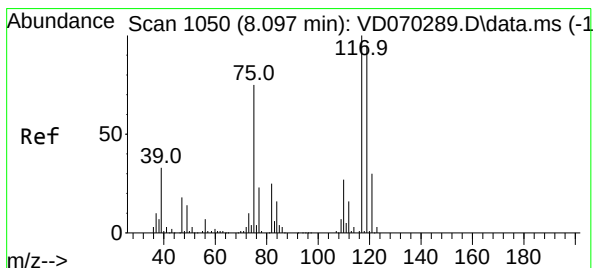
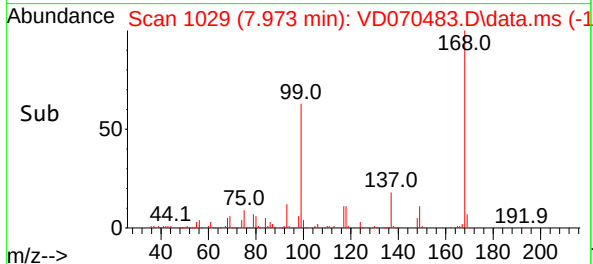
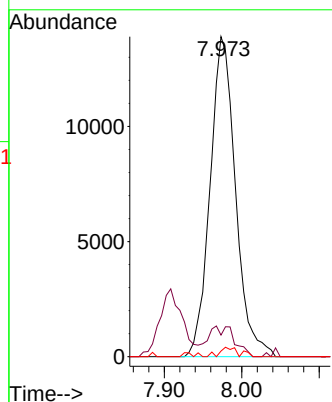
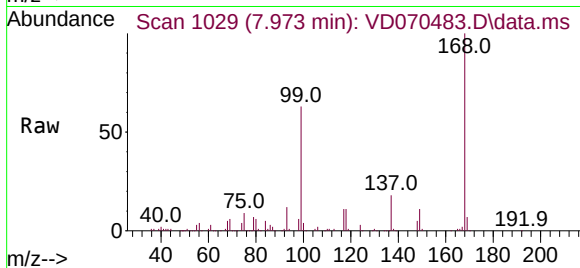




#36
1,1-Dichloropropene
Concen: 4.118 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

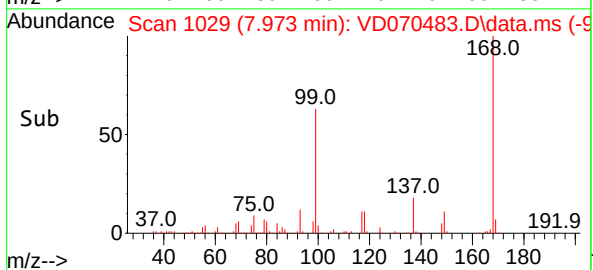
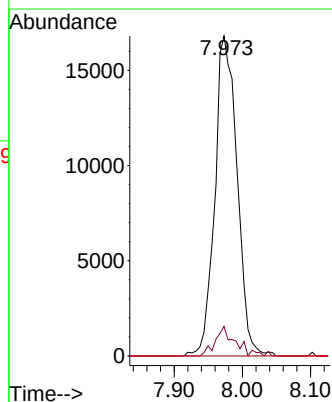
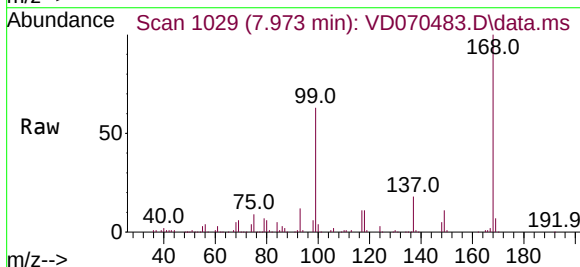
Instrument :
MSVOA_D
ClientSampled :
VIBLK

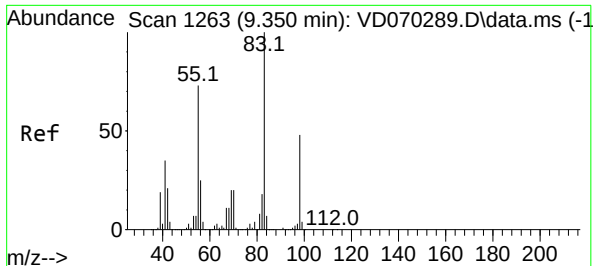
Tgt Ion: 75 Resp: 31702
Ion Ratio Lower Upper
75 100
110 2.5 17.9 53.7#
77 1.7 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.017 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

Tgt Ion: 117 Resp: 38196
Ion Ratio Lower Upper
117 100
119 9.2 76.1 114.1#
121 0.0 23.8 35.6#





#39

Methylcyclohexane

Concen: 2.408 ug/l

RT: 9.349 min Scan# 1263

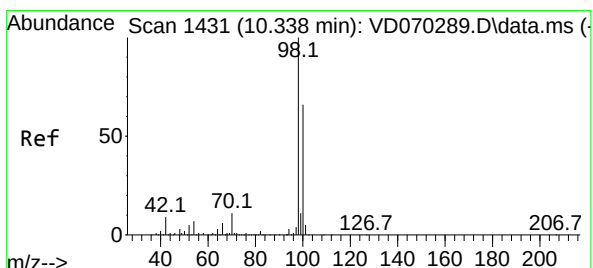
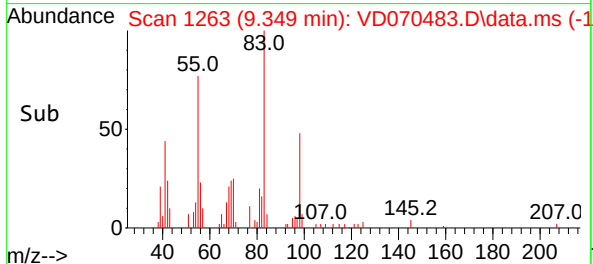
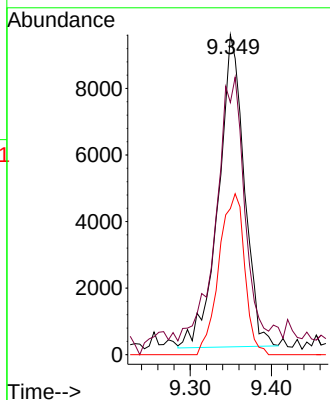
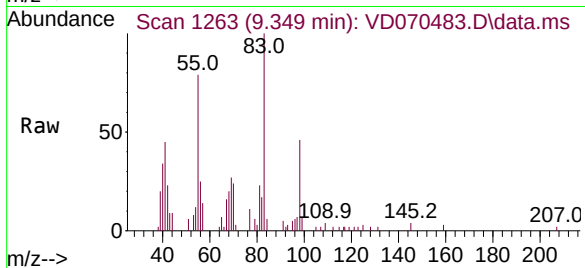
Delta R.T. -0.000 min

Lab File: VD070483.D

Acq: 27 Sep 2021 17:47

Tgt Ion:	83	Resp:	20713
Ion	Ratio	Lower	Upper
83	100		
55	76.6	58.5	87.7
98	46.9	38.4	57.6

Instrument :
MSVOA_D
ClientSampled :
VIBLK



#50

Toluene-d8

Concen: 50.969 ug/l

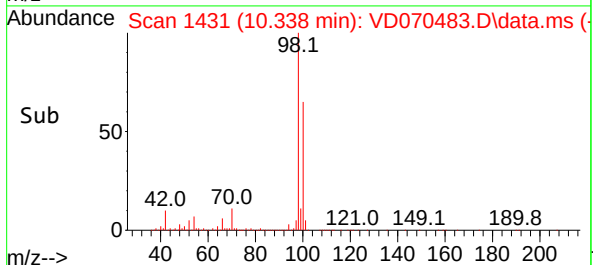
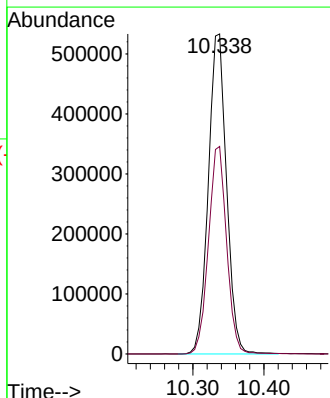
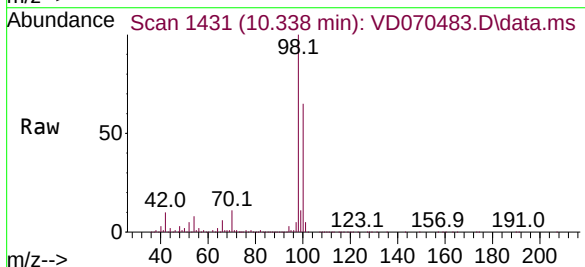
RT: 10.338 min Scan# 1431

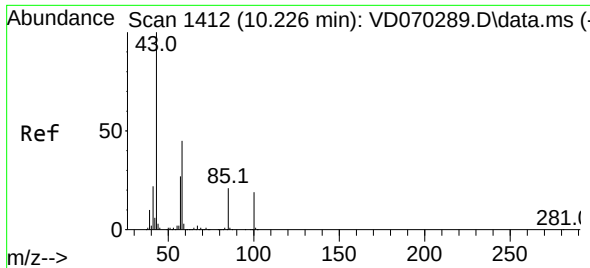
Delta R.T. -0.000 min

Lab File: VD070483.D

Acq: 27 Sep 2021 17:47

Tgt Ion:	98	Resp:	948715
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

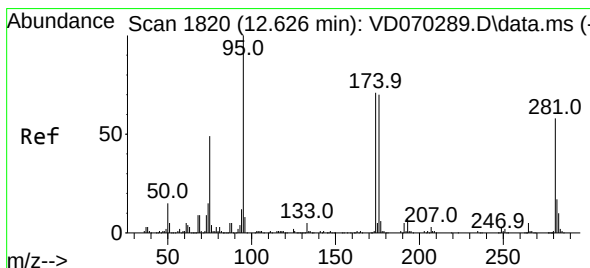
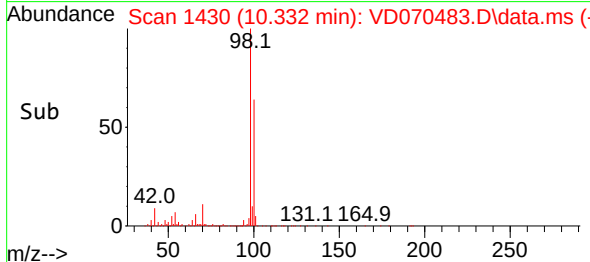
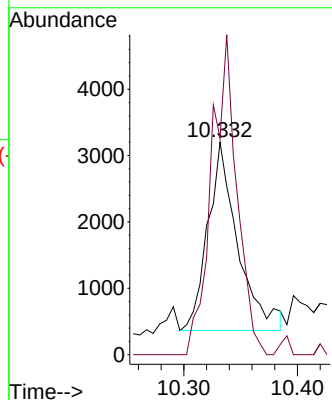
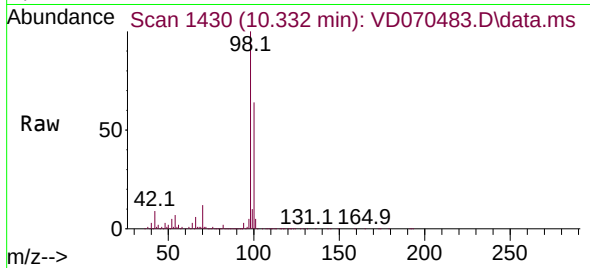




#51
4-Methyl-2-Pentanone
Concen: 1.893 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

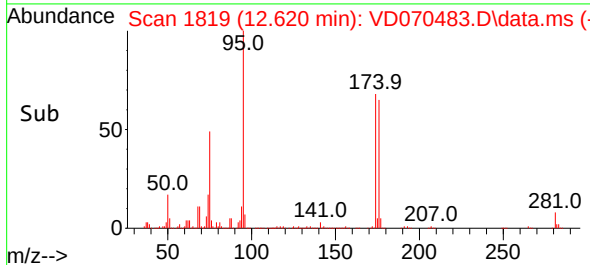
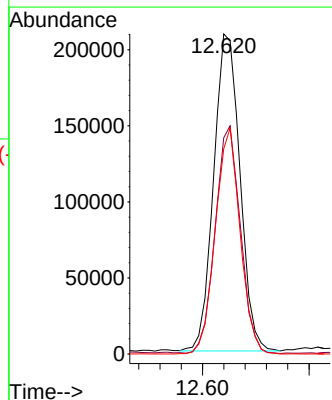
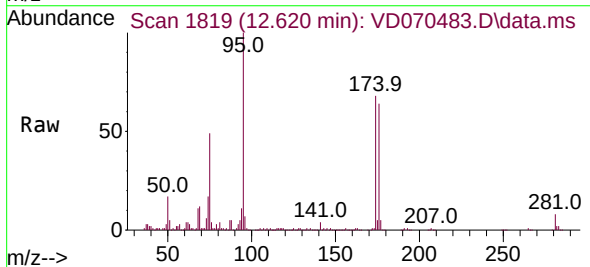
Instrument :
MSVOA_D
ClientSampled :
VIBLK

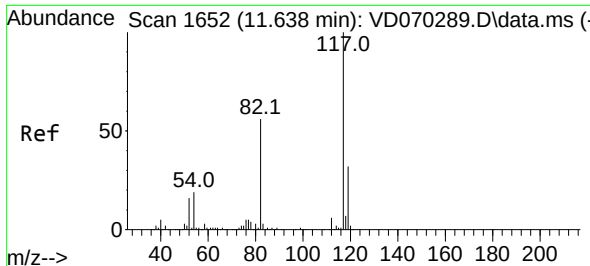
Tgt Ion: 43 Resp: 5214
Ion Ratio Lower Upper
43 100
58 144.1 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 54.773 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

Tgt Ion: 95 Resp: 356308
Ion Ratio Lower Upper
95 100
174 68.9 0.0 140.6
176 67.2 0.0 137.4

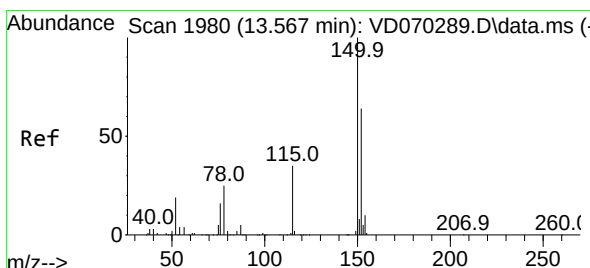
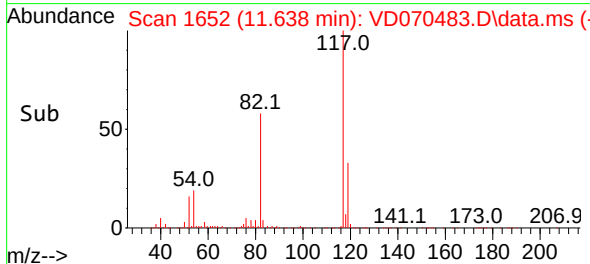
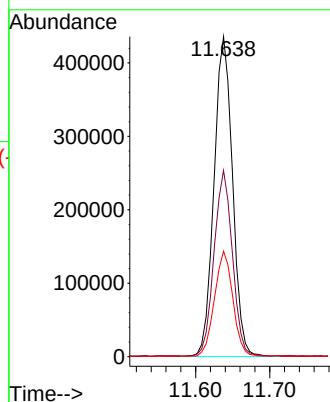
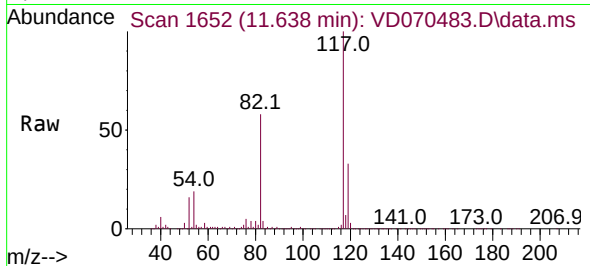




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

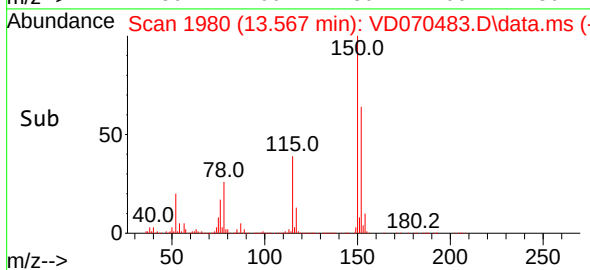
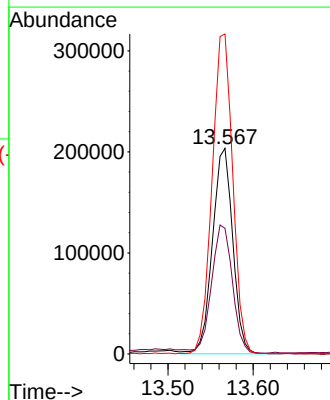
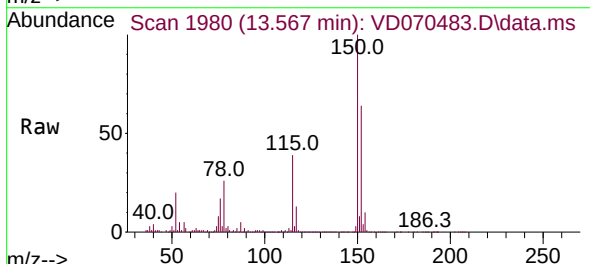
Instrument :
MSVOA_D
ClientSampled :
VIBLK

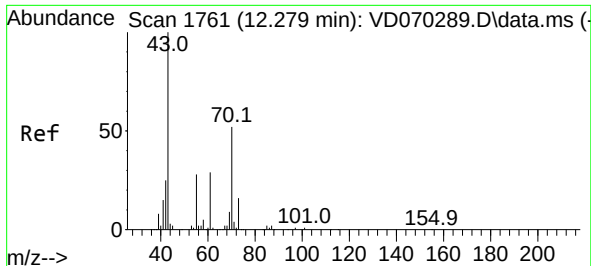
Tgt Ion:	117	Resp:	755007
Ion Ratio	Lower	Upper	
117	100		
82	58.0	45.0	67.4
119	32.8	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

Tgt Ion:	152	Resp:	336664
Ion Ratio	Lower	Upper	
152	100		
115	63.8	32.1	96.3
150	157.8	0.0	350.6

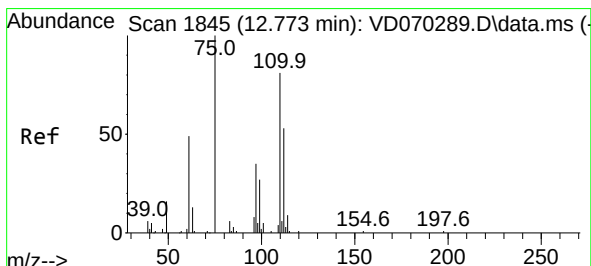
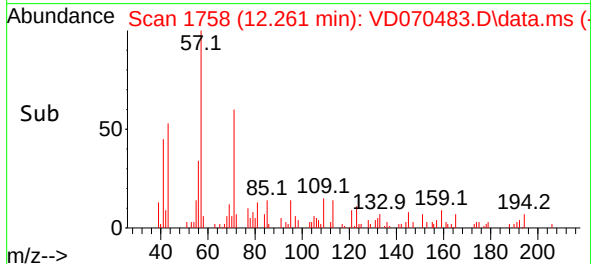
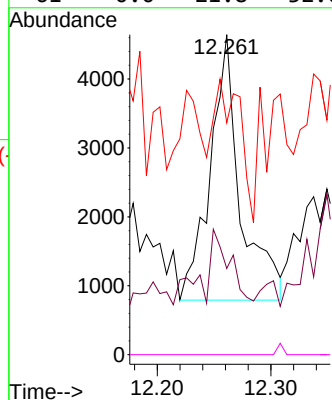
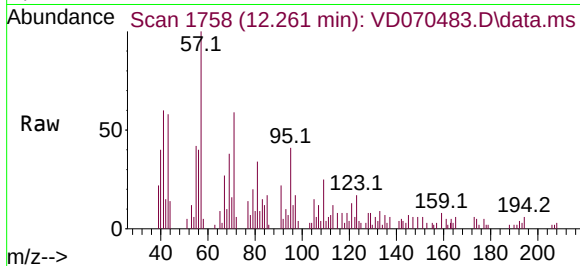




#74
N-amy1 acetate
Concen: 1.375 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

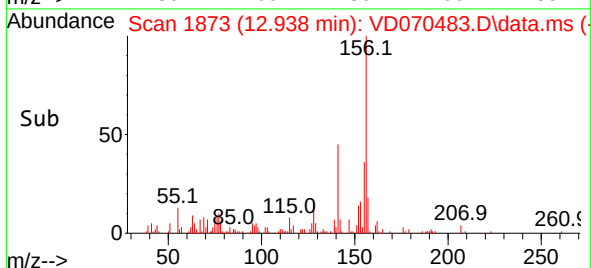
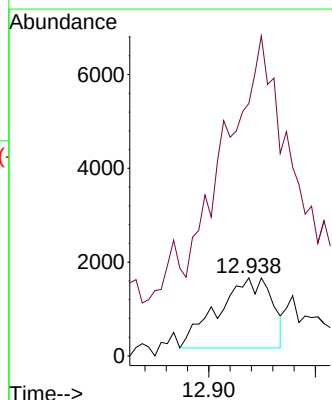
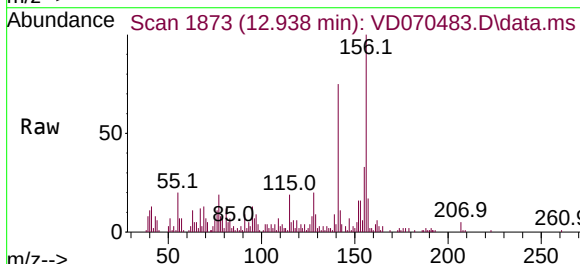
Instrument :
MSVOA_D
ClientSampled :
VIBLK

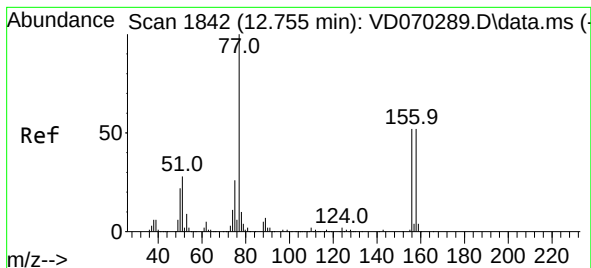
Tgt Ion:	43	Resp:	7072
Ion	Ratio	Lower	Upper
43	100		
70	17.0	41.4	62.0#
55	47.0	22.8	34.2#
61	0.0	21.8	32.6#



#76
1,2,3-Trichloropropane
Concen: 1.547 ug/l
RT: 12.938 min Scan# 1873
Delta R.T. 0.165 min
Lab File: VD070483.D
Acq: 27 Sep 2021 17:47

Tgt Ion:	75	Resp:	5268
Ion	Ratio	Lower	Upper
75	100		
77	450.5	174.9	524.7





#77

Bromobenzene

Concen: 34.322 ug/l

RT: 12.955 min Scan# 1876

Delta R.T. 0.200 min

Lab File: VD070483.D

Acq: 27 Sep 2021 17:47

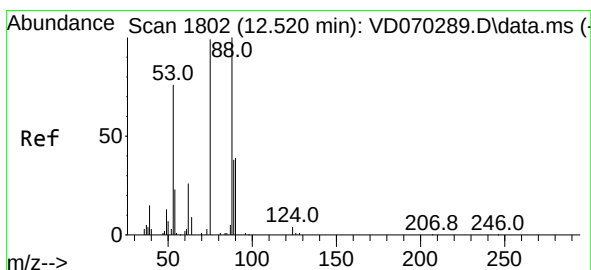
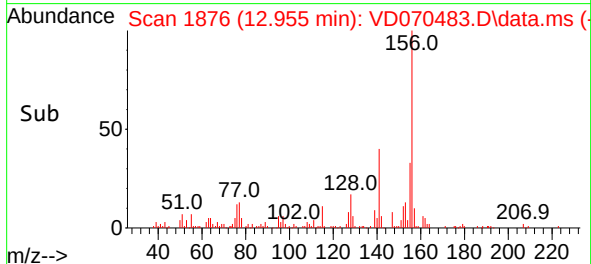
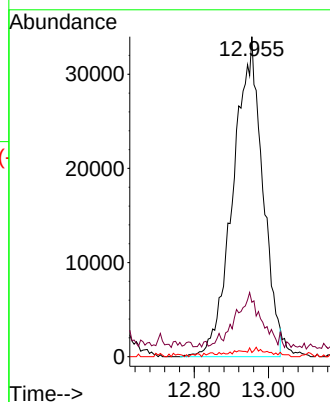
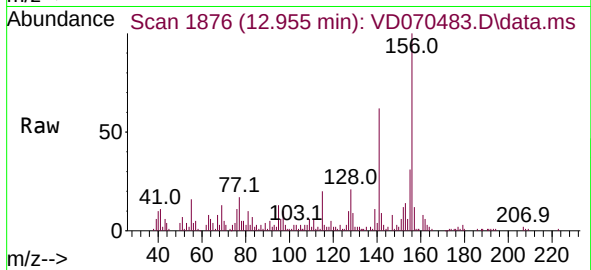
Instrument :

MSVOA_D

ClientSampled :

VIBLK

Tgt Ion:	156	Resp:	186955
Ion Ratio	Lower	Upper	
156	100		
77	12.7	104.3	312.8#
158	0.2	49.4	148.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.139 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.100 min

Lab File: VD070483.D

Acq: 27 Sep 2021 17:47

Tgt Ion:	75	Resp:	168720
Ion Ratio	Lower	Upper	
75	100		
53	0.3	64.2	96.2#
89	0.5	35.6	53.4#

