

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
 Data File : VD070821.D
 Acq On : 22 Oct 2021 13:22
 Operator : VA/SY
 Sample : M4295-02RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 23 04:10:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

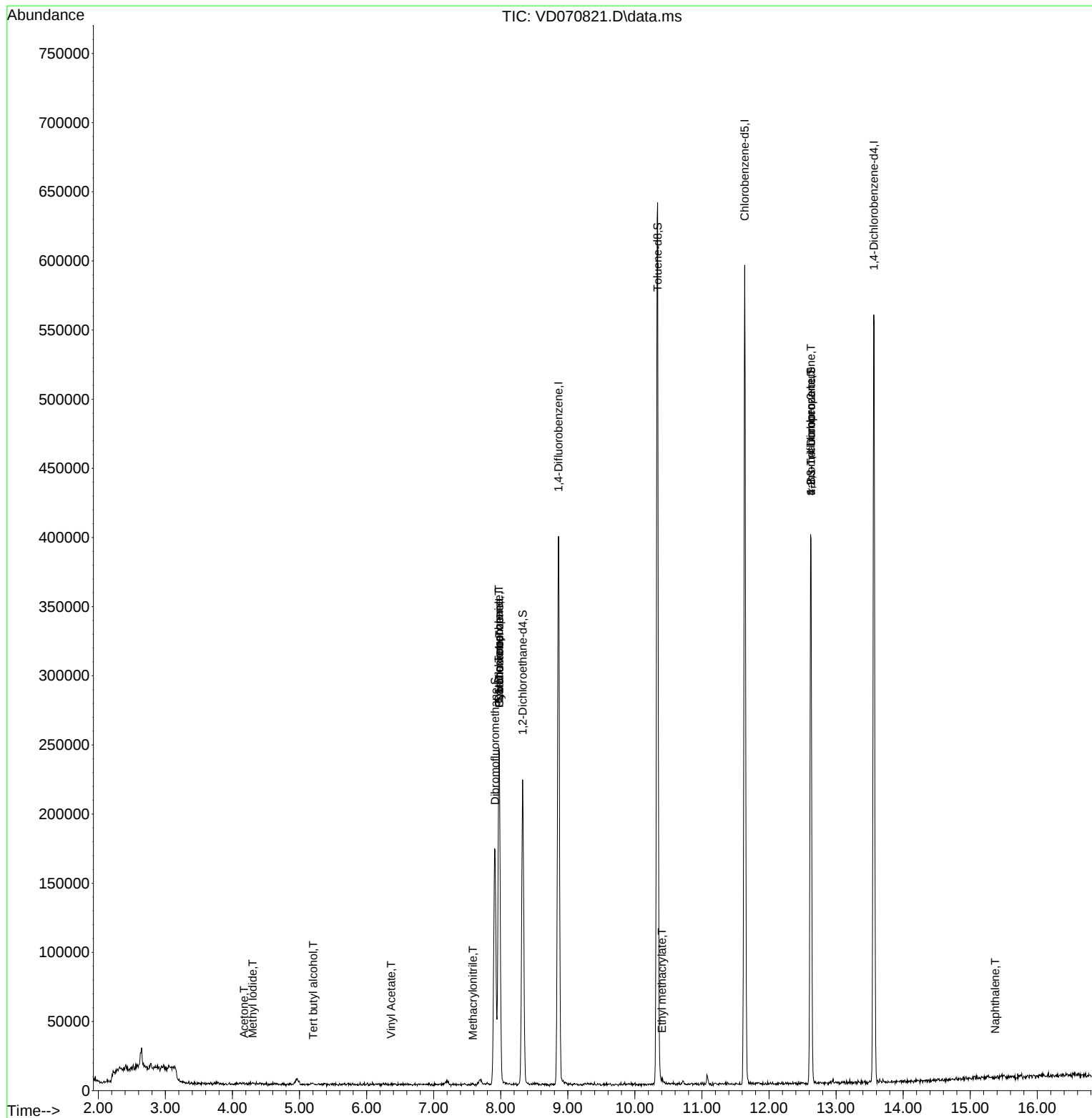
Internal Standards						
1) Pentafluorobenzene	7.979	168	169066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	316308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	321317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	145438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	170912	85.351	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 170.700%#			
35) Dibromofluoromethane	7.914	113	124299	61.372	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.740%			
50) Toluene-d8	10.338	98	428443	55.185	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.360%			
62) 4-Bromofluorobenzene	12.626	95	136822	51.181	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.360%			
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	268	3.438	ug/l #	63
11) Tert butyl alcohol	5.203	59	795	7.092	ug/l #	83
16) Acetone	4.173	43	840	1.739	ug/l #	40
20) Methylene Chloride	4.967	84	1479	Below Cal	#	81
23) Vinyl Acetate	6.367	43	86	16.351	ug/l #	69
31) Cyclohexane	7.979	56	4913	1.213	ug/l #	37
36) 1,1-Dichloropropene	7.973	75	17095	4.851	ug/l #	46
38) Carbon Tetrachloride	7.973	117	18214	5.397	ug/l #	17
41) Methacrylonitrile	7.585	41	65	2.011	ug/l #	16
56) Ethyl methacrylate	10.402	69	94	4.191	ug/l #	16
76) 1,2,3-Trichloropropane	12.626	75	72351	57.580	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	72351	126.118	ug/l #	18
95) Naphthalene	15.373	128	118	4.815	ug/l #	69

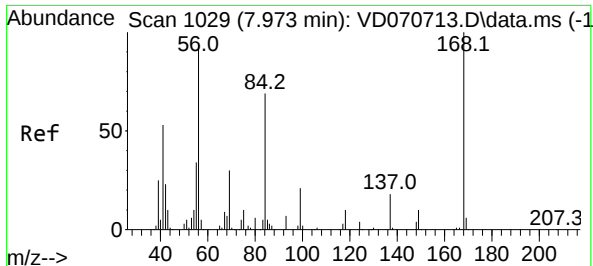
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
Data File : VD070821.D
Acq On : 22 Oct 2021 13:22
Operator : VA/SY
Sample : M4295-02RE
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 23 04:10:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

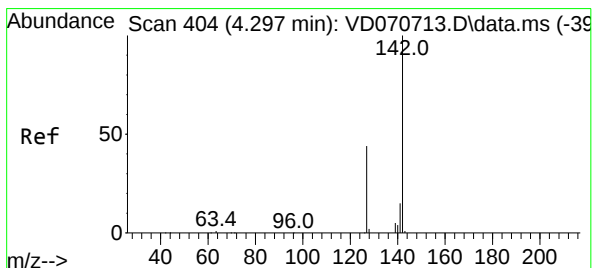
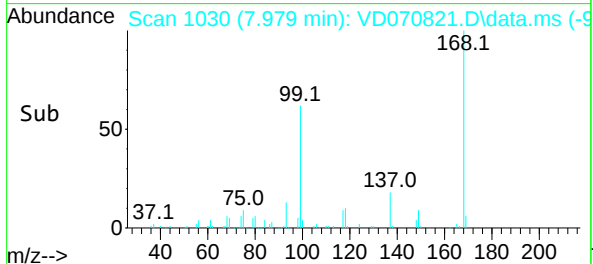
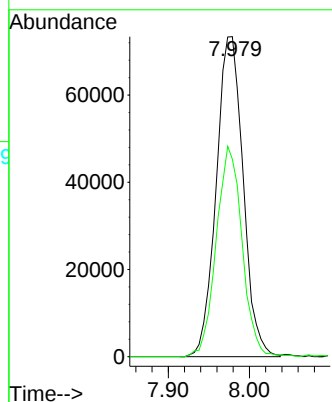
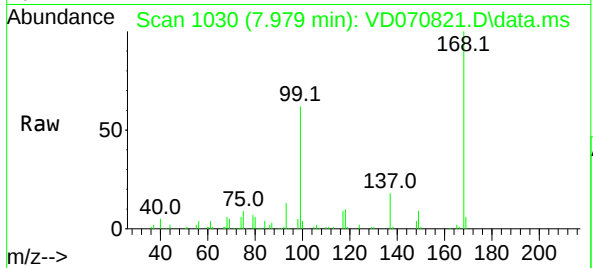




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

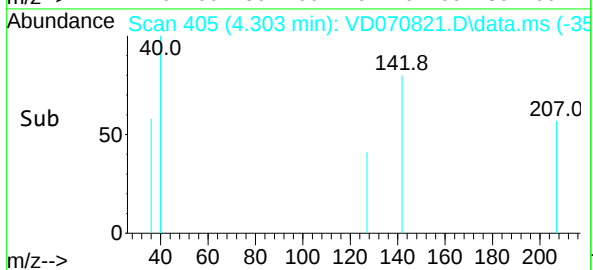
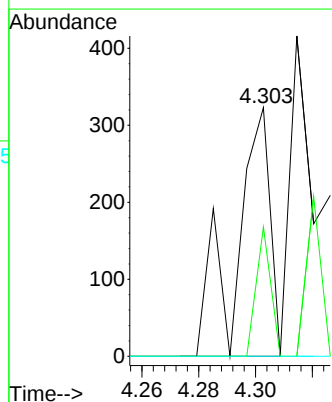
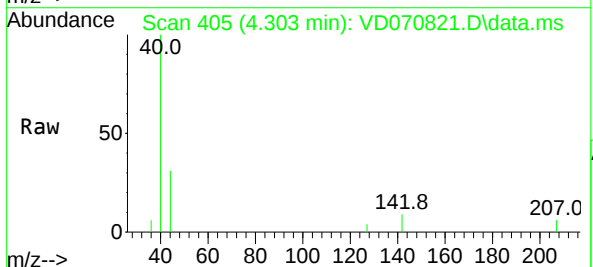
Instrument :
MSVOA_D
ClientSampleId :

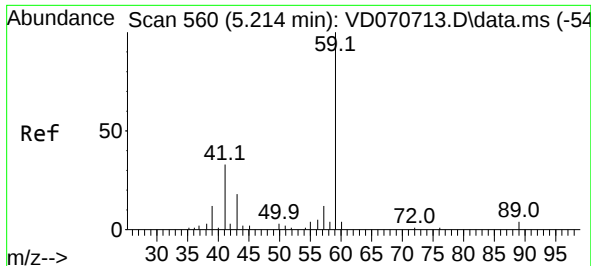
Tgt Ion:168 Resp: 169066
Ion Ratio Lower Upper
168 100
99 61.7 51.4 77.0



#10
Methyl Iodide
Concen: 3.438 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

Tgt Ion:142 Resp: 268
Ion Ratio Lower Upper
142 100
127 22.0 37.5 56.3#
141 0.0 12.1 18.1#

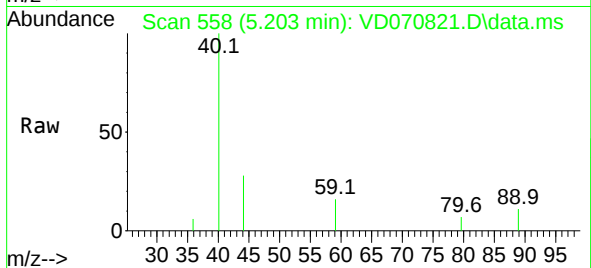




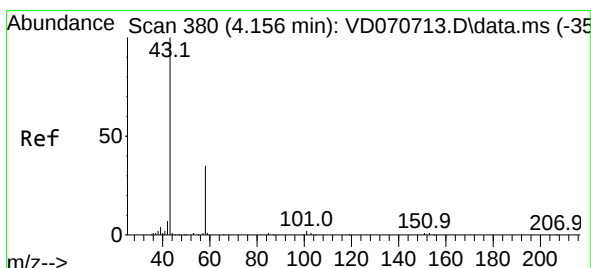
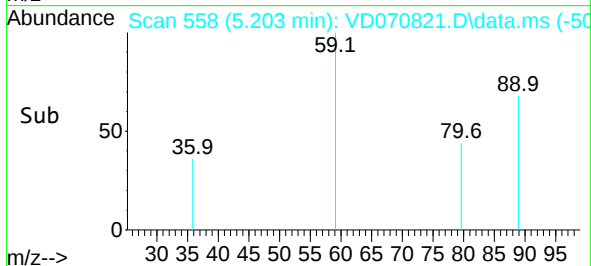
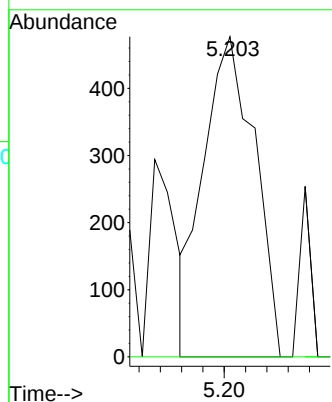
#11

Tert butyl alcohol
Concen: 7.092 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.012 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

Instrument :
MSVOA_D
ClientSampled :

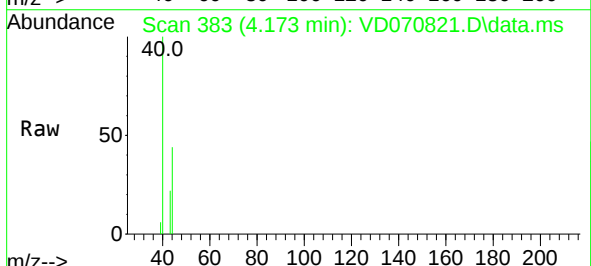


Tgt Ion: 59 Resp: 795
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

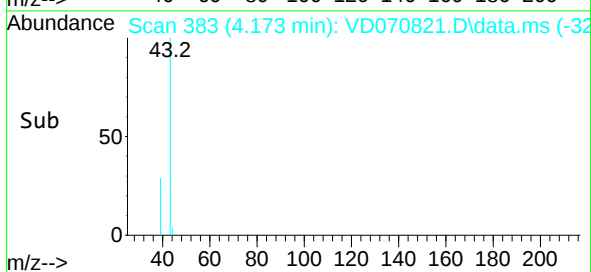
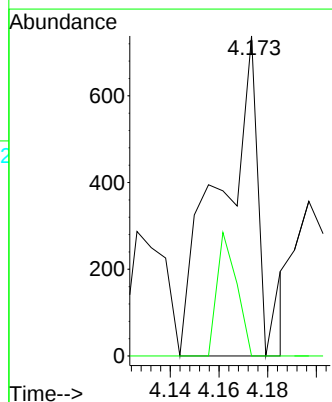


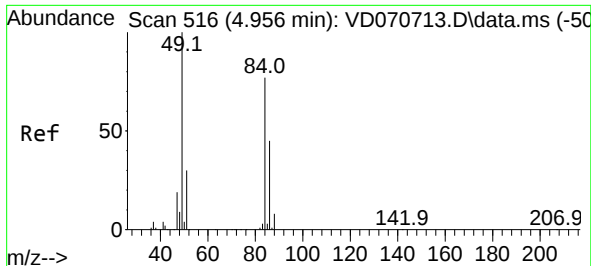
#16

Acetone
Concen: 1.739 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22



Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#





#20

Methylene Chloride

Concen: Below Cal

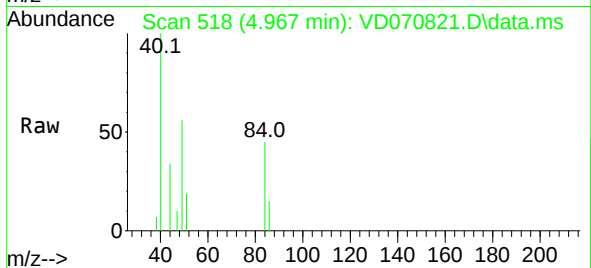
RT: 4.967 min Scan# 518

Delta R.T. 0.011 min

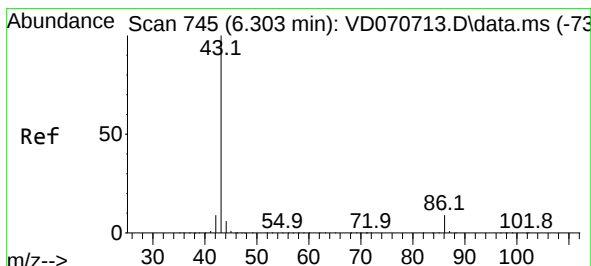
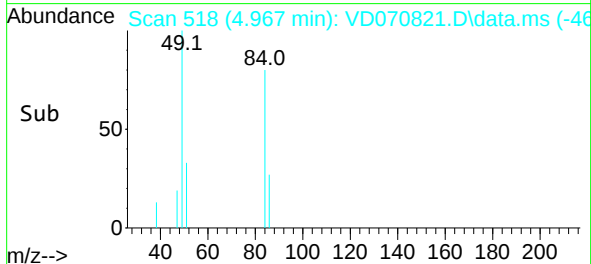
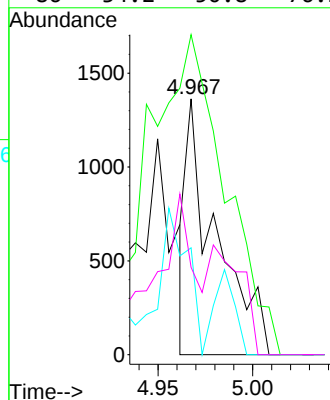
Lab File: VD070821.D

Acq: 22 Oct 2021 13:22

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	84	Resp:	1479
Ion	Ratio	Lower	Upper
84	100		
49	125.1	91.4	137.2
51	41.8	26.7	40.1#
86	34.2	50.8	76.2#



#23

Vinyl Acetate

Concen: 16.351 ug/l

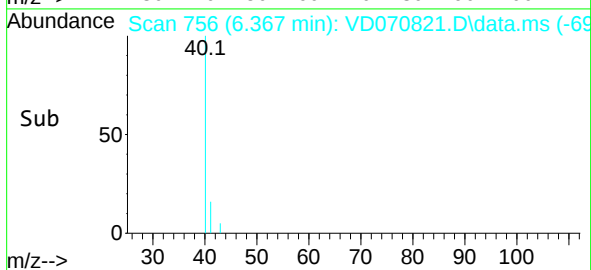
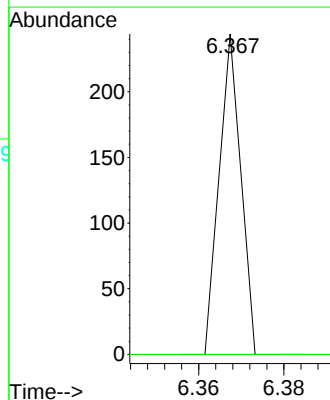
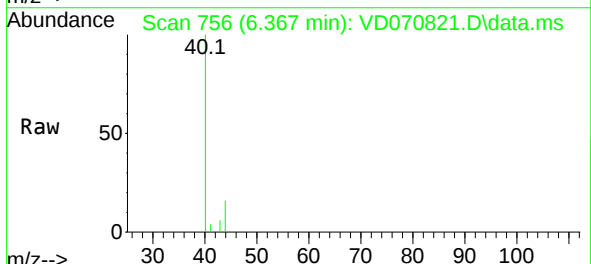
RT: 6.367 min Scan# 756

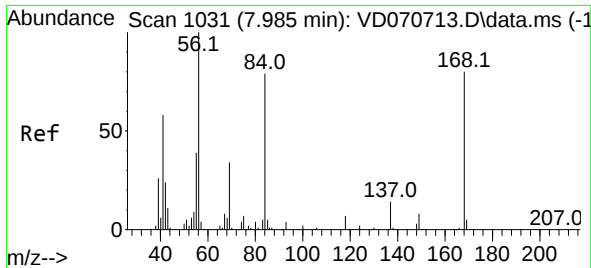
Delta R.T. 0.064 min

Lab File: VD070821.D

Acq: 22 Oct 2021 13:22

Tgt Ion:	43	Resp:	86
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#

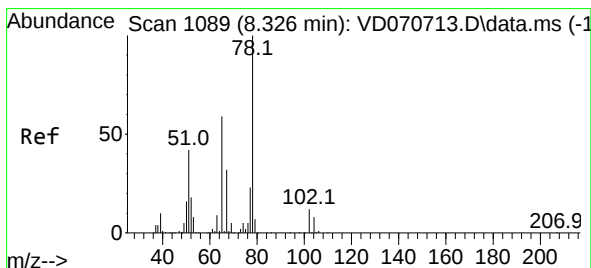
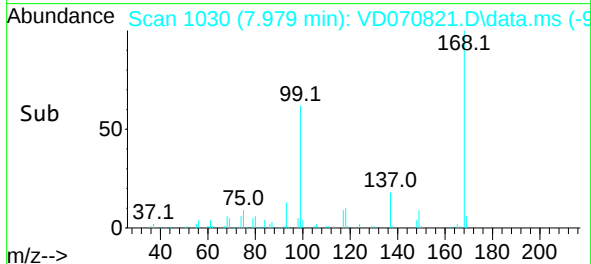
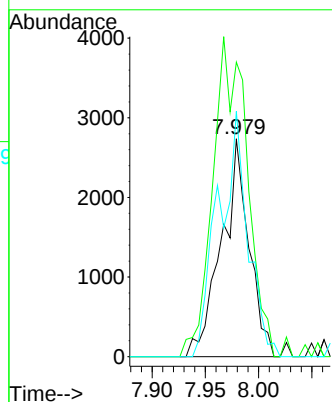
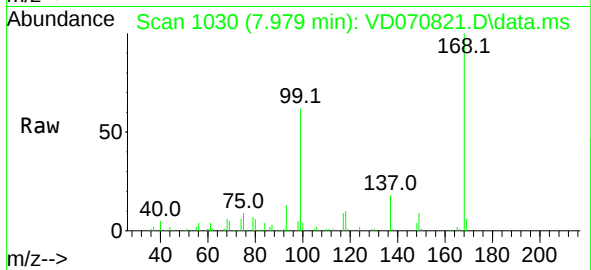




#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

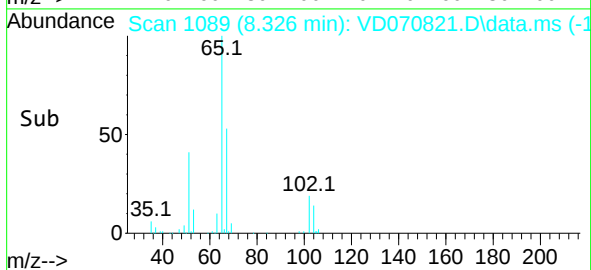
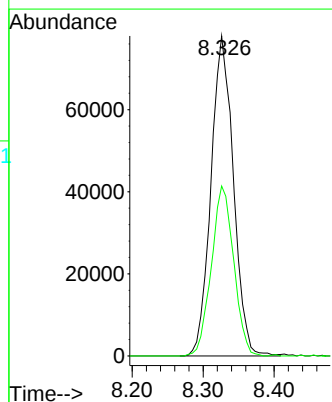
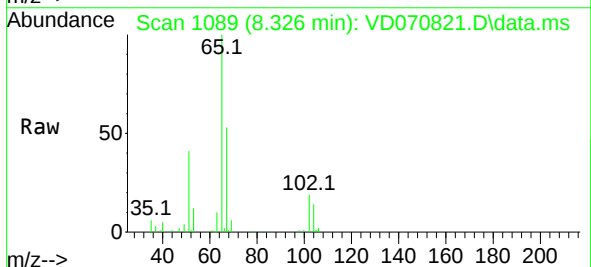
Instrument :
MSVOA_D
ClientSampled :

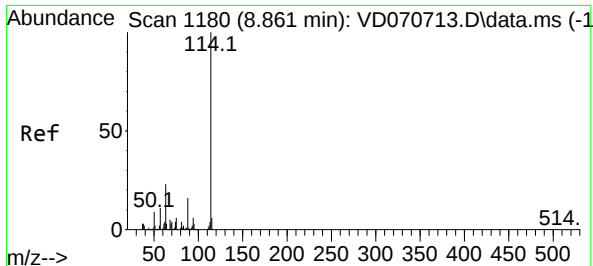
Tgt Ion: 56 Resp: 4913
Ion Ratio Lower Upper
56 100
69 135.2 27.4 41.2#
84 112.6 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 85.351 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

Tgt Ion: 65 Resp: 170912
Ion Ratio Lower Upper
65 100
67 52.9 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070821.D

Acq: 22 Oct 2021 13:22

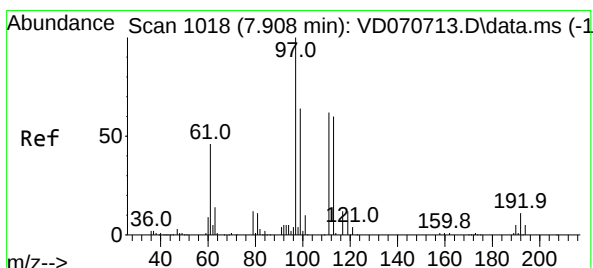
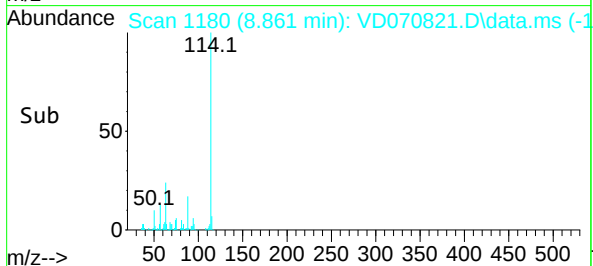
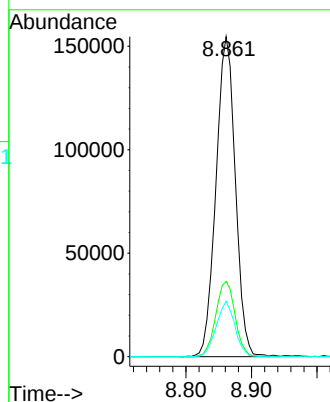
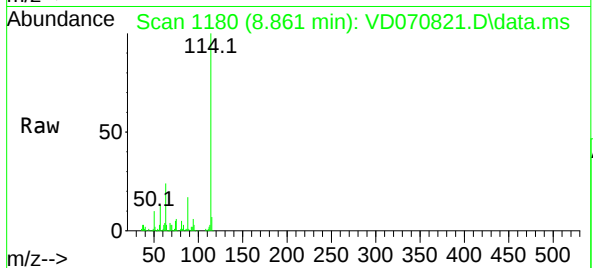
Tgt Ion:114 Resp: 316308

Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.8

88 17.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 61.372 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD070821.D

Acq: 22 Oct 2021 13:22

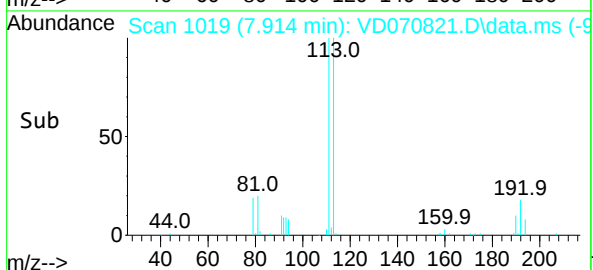
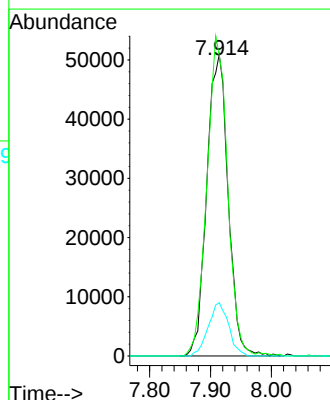
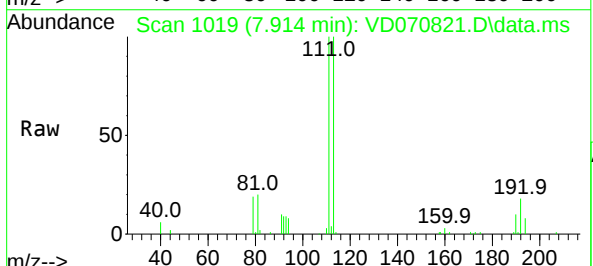
Tgt Ion:113 Resp: 124299

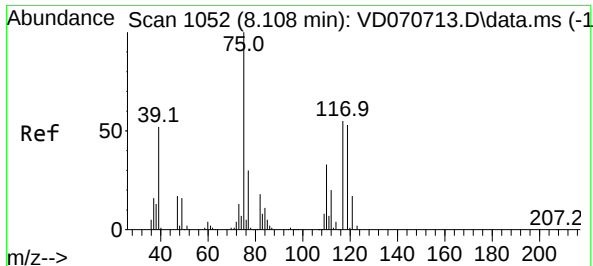
Ion Ratio Lower Upper

113 100

111 102.3 83.1 124.7

192 16.8 12.7 19.1

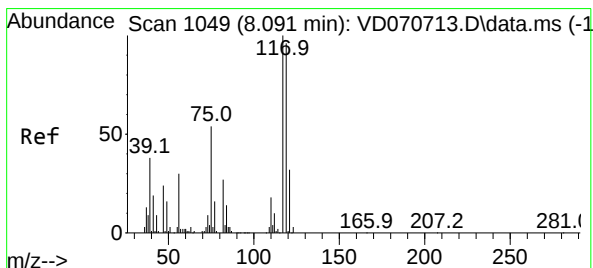
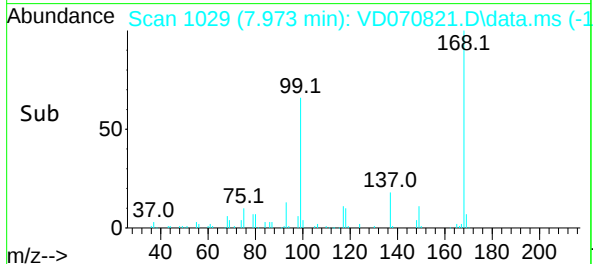
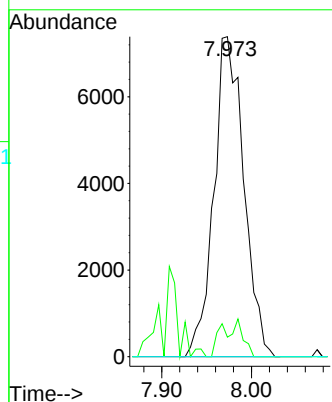
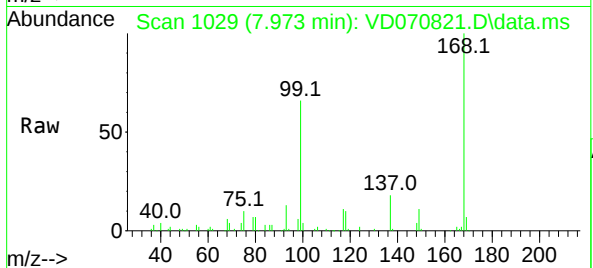




#36
1,1-Dichloropropene
Concen: 4.851 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

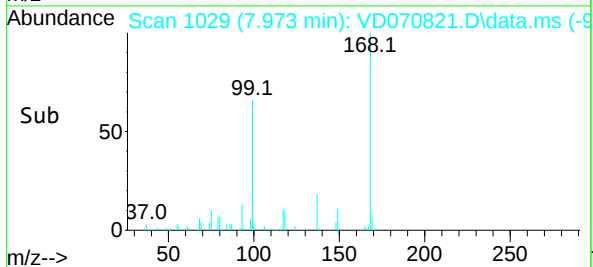
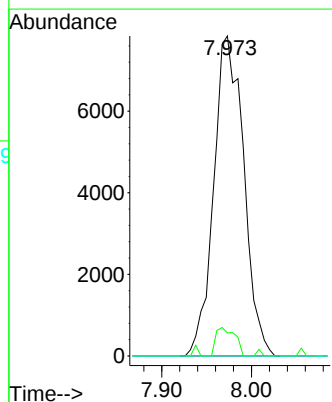
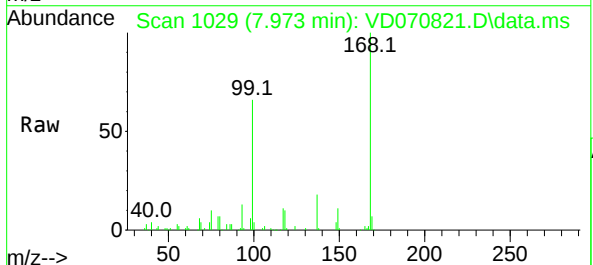
Instrument :
MSVOA_D
ClientSampled :

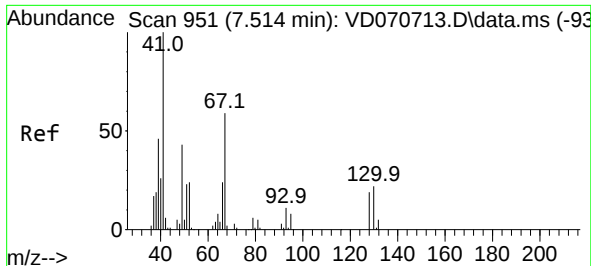
Tgt Ion: 75 Resp: 17095
Ion Ratio Lower Upper
75 100
110 3.6 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.397 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

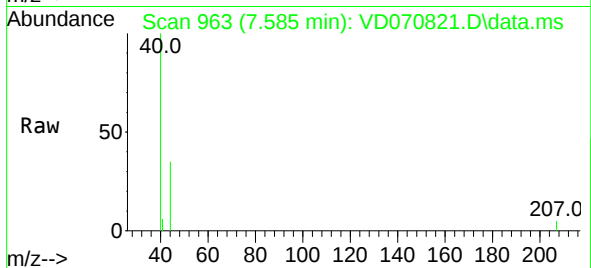
Tgt Ion: 117 Resp: 18214
Ion Ratio Lower Upper
117 100
119 7.2 77.4 116.0#
121 0.0 25.4 38.0#



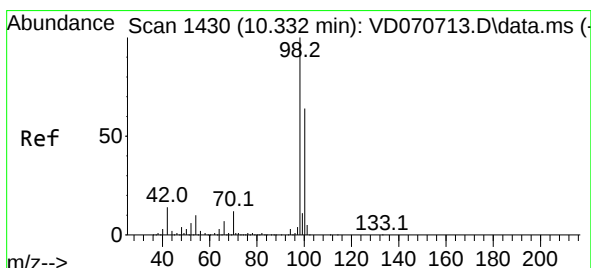
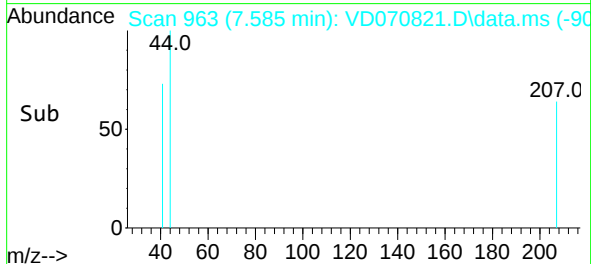
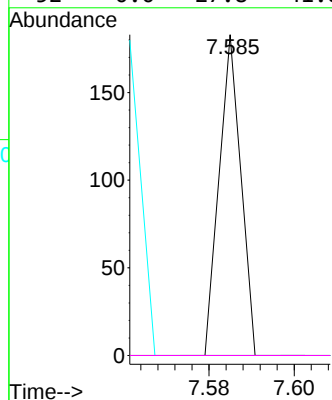


#41
Methacrylonitrile
Concen: 2.011 ug/l
RT: 7.585 min Scan# 963
Delta R.T. 0.071 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

Instrument :
MSVOA_D
ClientSampleId :

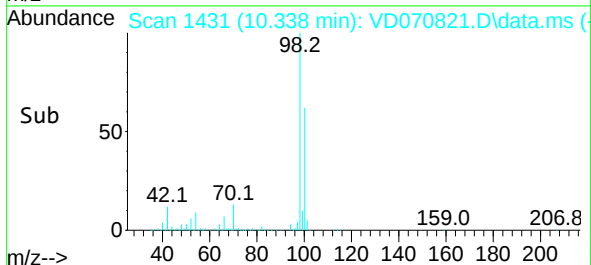
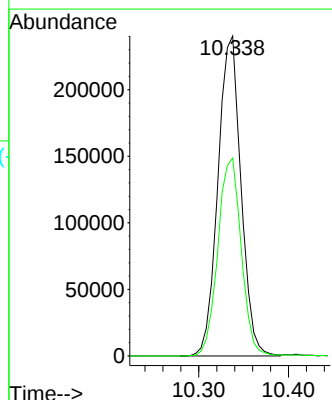
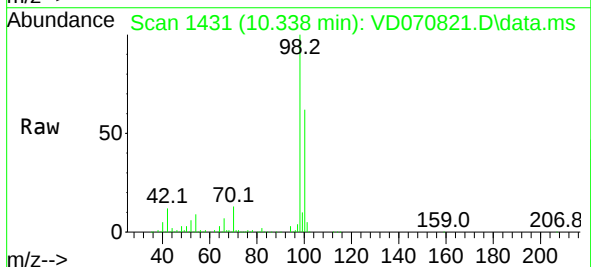


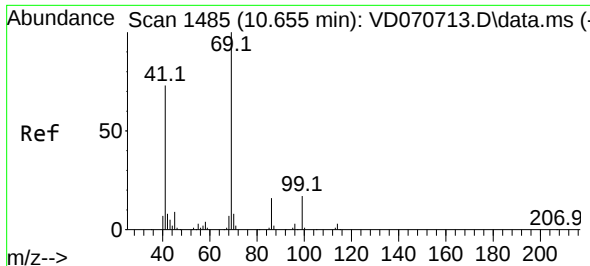
Tgt Ion:	41	Resp:	65
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#50
Toluene-d8
Concen: 55.185 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

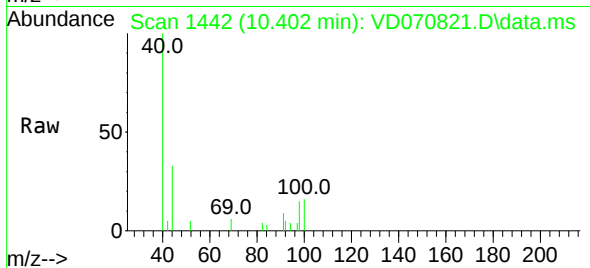
Tgt Ion:	98	Resp:	428443
Ion	Ratio	Lower	Upper
98	100		
100	62.9	52.2	78.4



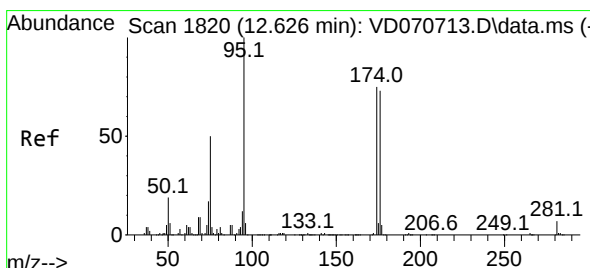
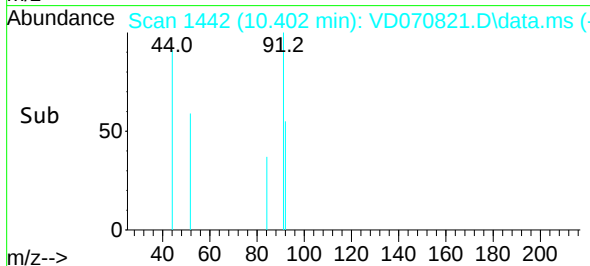
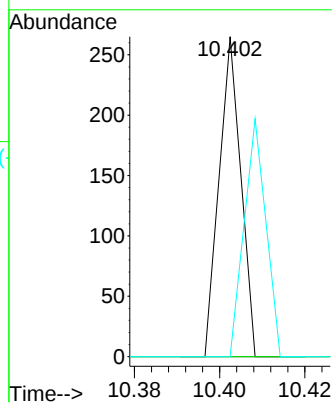


#56
Ethyl methacrylate
Concen: 4.191 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.253 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

Instrument :
MSVOA_D
ClientSampleId :

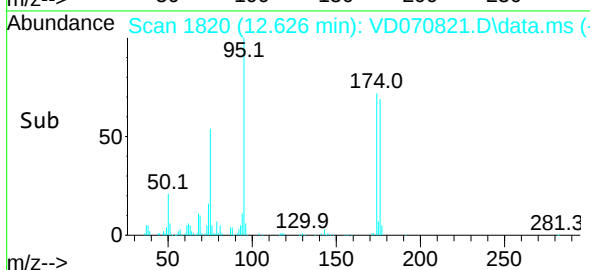
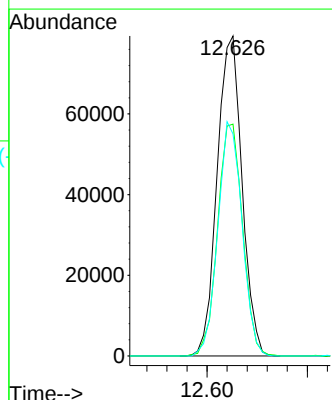
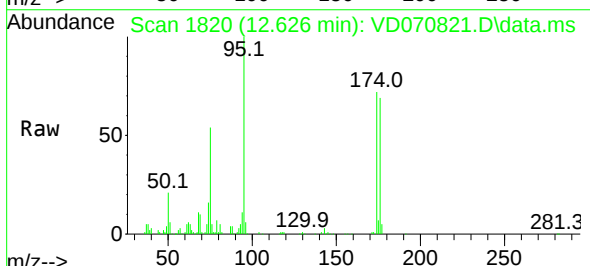


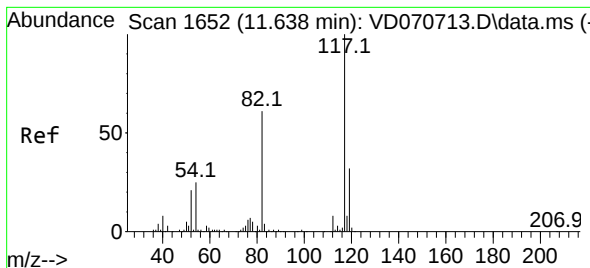
Tgt Ion: 69 Resp: 94
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 74.5 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 51.181 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

Tgt Ion: 95 Resp: 136822
Ion Ratio Lower Upper
95 100
174 72.6 0.0 138.0
176 71.0 0.0 135.6

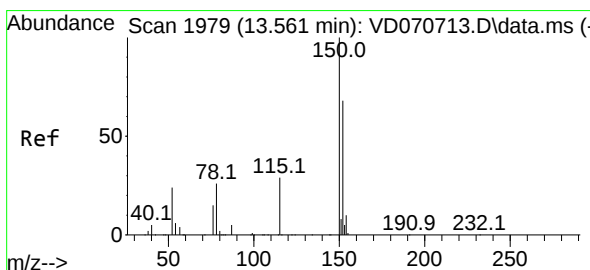
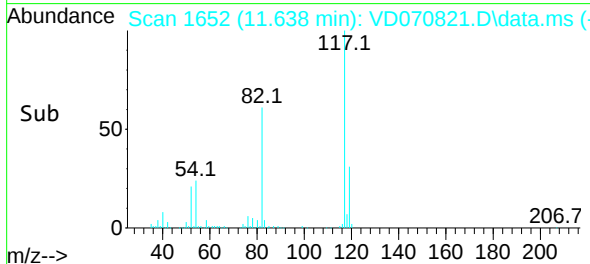
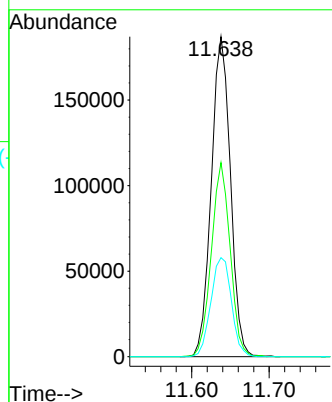
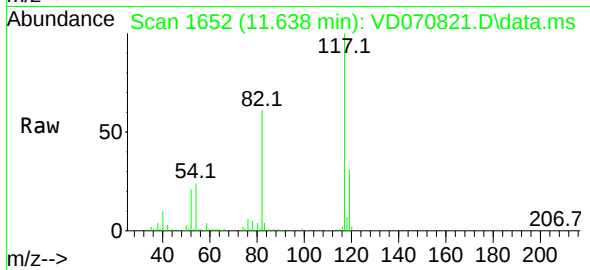




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

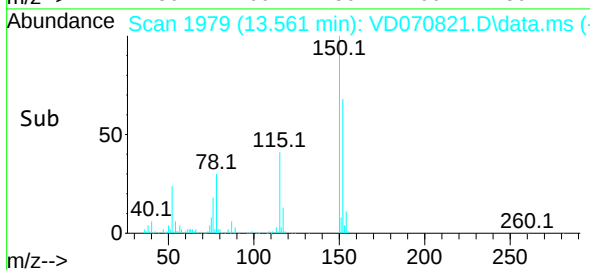
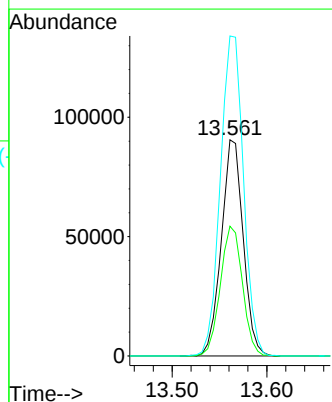
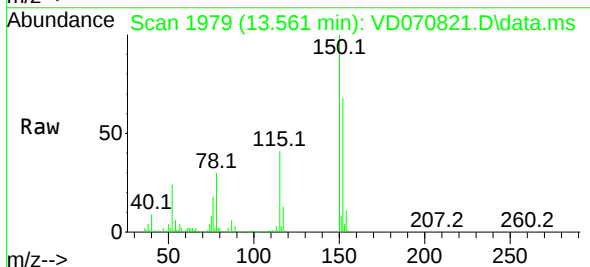
Instrument :
MSVOA_D
ClientSampleId :

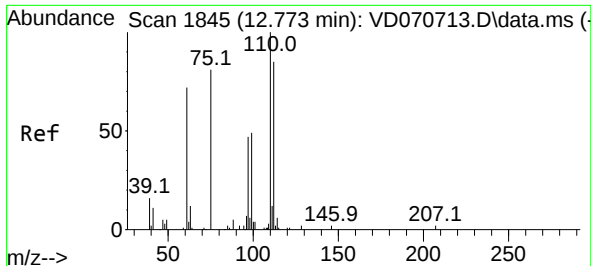
Tgt Ion:117 Resp: 321317
Ion Ratio Lower Upper
117 100
82 60.7 45.4 68.2
119 31.0 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

Tgt Ion:152 Resp: 145438
Ion Ratio Lower Upper
152 100
115 60.7 31.9 95.7
150 156.7 0.0 350.0

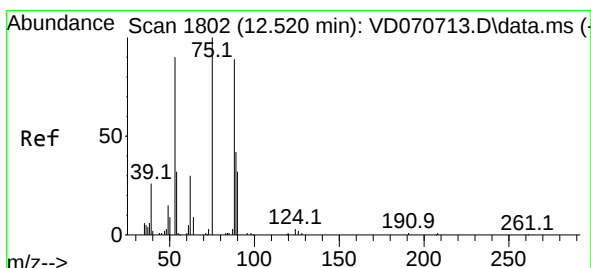
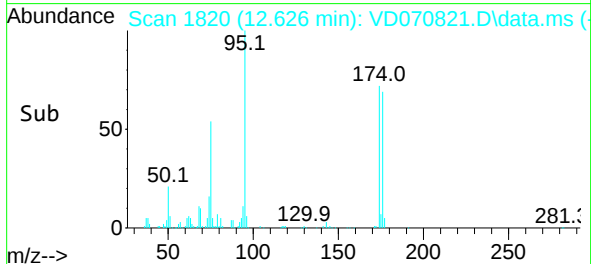
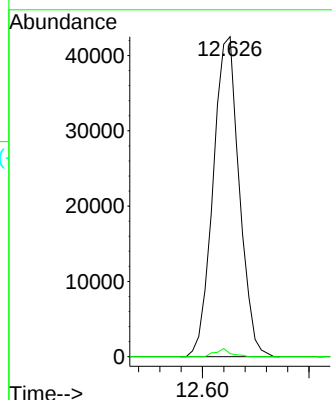
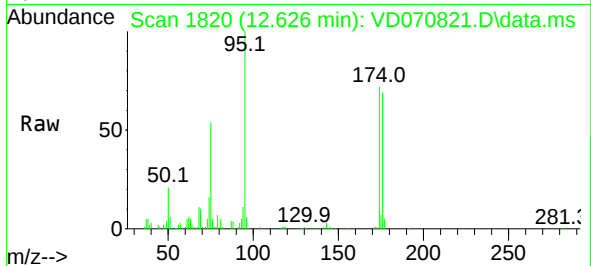




#76
1,2,3-Trichloropropane
Concen: 57.580 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

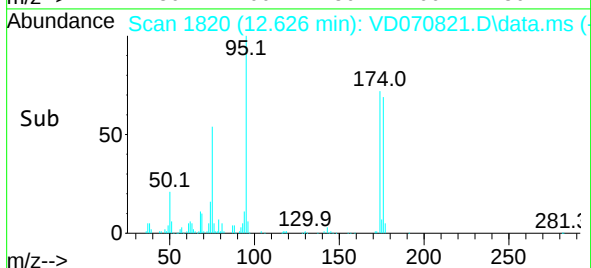
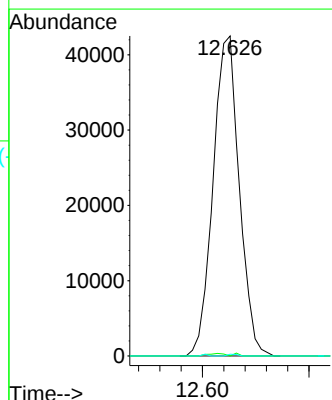
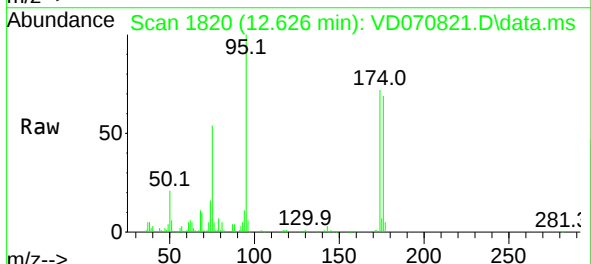
Instrument :
MSVOA_D
ClientSampleId :

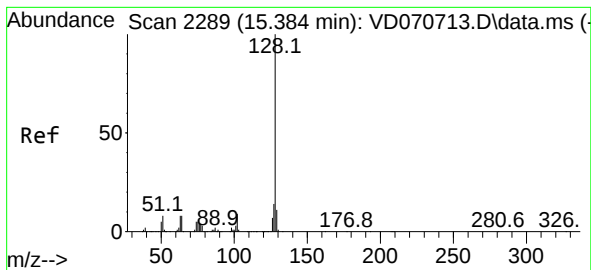
Tgt Ion: 75 Resp: 72351
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.118 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

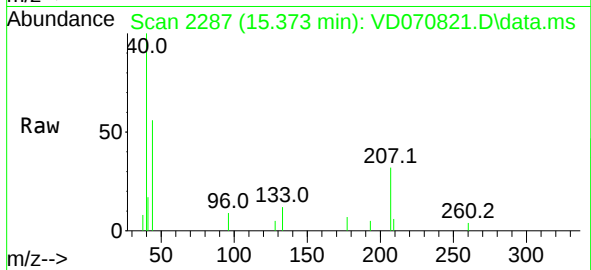
Tgt Ion: 75 Resp: 72351
Ion Ratio Lower Upper
75 100
53 0.5 64.5 96.7#
89 0.2 35.3 52.9#





#95
Naphthalene
Concen: 4.815 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD070821.D
Acq: 22 Oct 2021 13:22

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 118
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

