

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061421\
 Data File : VD069426.D
 Acq On : 14 Jun 2021 14:55
 Operator : VA/SY
 Sample : M2691-03
 Misc : 6.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 07:27:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

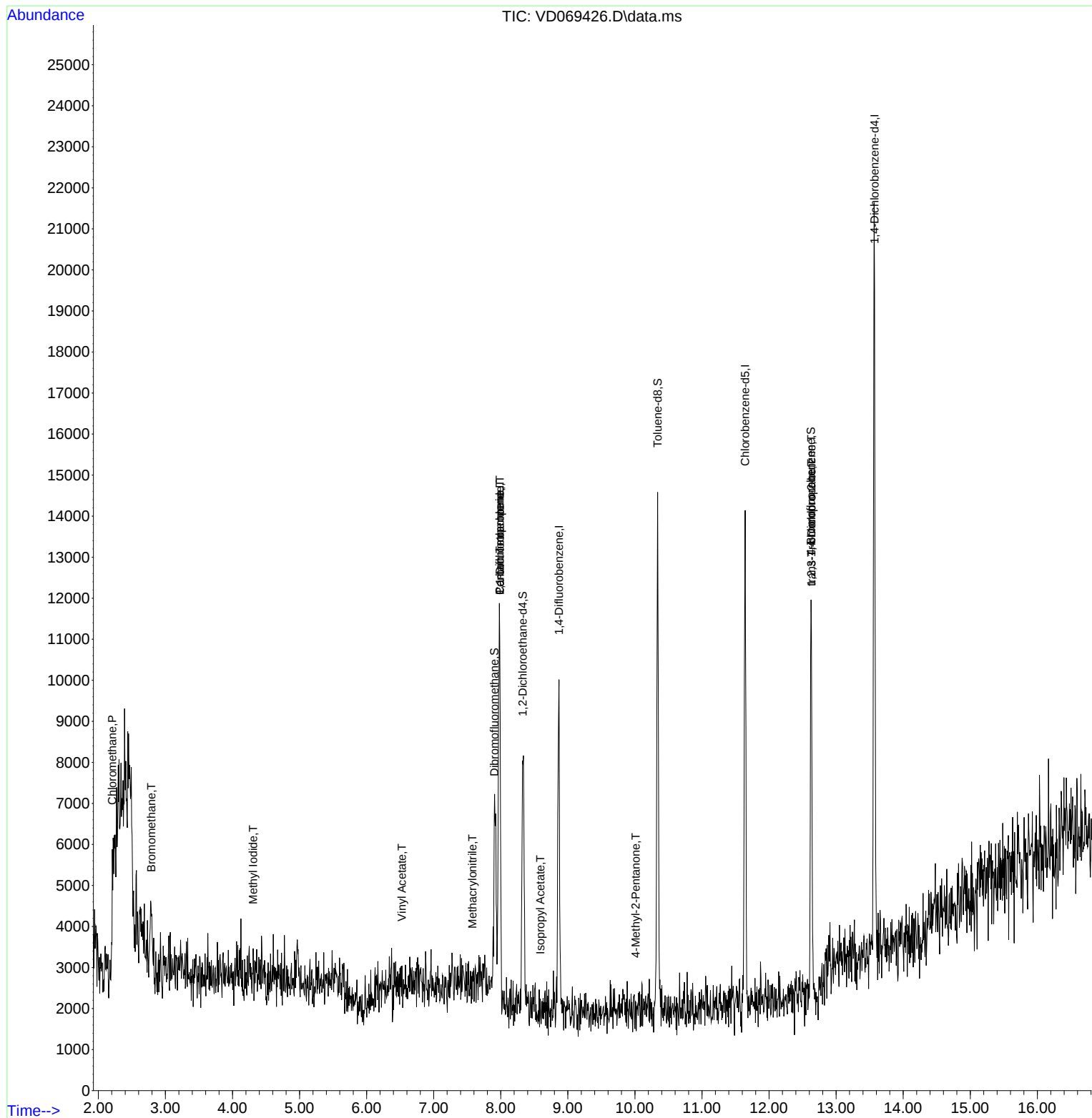
Internal Standards						
1) Pentafluorobenzene	7.985	168	8196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	6707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	8051	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.572	152	5208	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	5073	54.86	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.72%			
35) Dibromofluoromethane	7.902	113	3589	71.44	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 142.88%			
50) Toluene-d8	10.337	98	9203	50.09	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.18%			
62) 4-Bromofluorobenzene	12.625	95	2973	50.43	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.86%			
Target Compounds						Qvalue
3) Chloromethane	2.208	50	431	5.28	ug/l #	1
5) Bromomethane	2.791	94	1645	21.19	ug/l #	64
10) Methyl Iodide	4.308	142	848	11.32	ug/l #	59
20) Methylene Chloride	4.961	84	737	Below Cal	#	80
23) Vinyl Acetate	6.526	43	57	17.98	ug/l #	67
36) 1,1-Dichloropropene	7.985	75	186	2.66	ug/l #	41
38) Carbon Tetrachloride	7.985	117	753	9.95	ug/l #	11
41) Methacrylonitrile	7.579	41	54	4.65	ug/l #	11
43) Isopropyl Acetate	8.590	43	75	1.70	ug/l #	46
51) 4-Methyl-2-Pentanone	10.014	43	100	4.44	ug/l #	32
76) 1,2,3-Trichloropropane	12.631	75	1715	32.48	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.631	75	1715	86.65	ug/l #	18

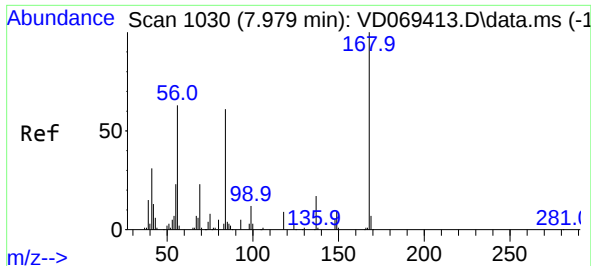
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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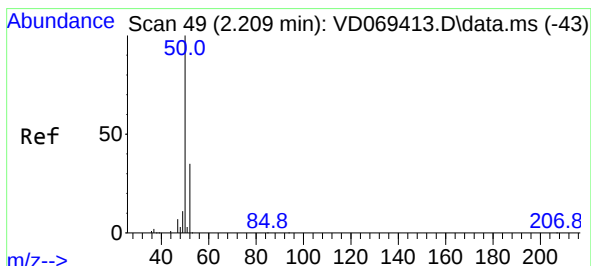
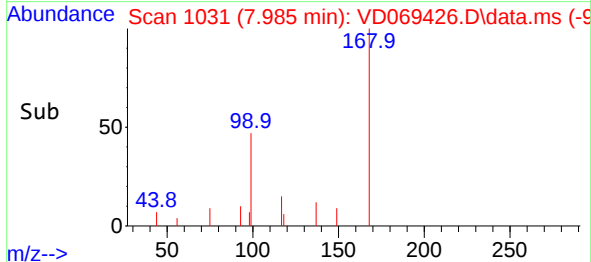
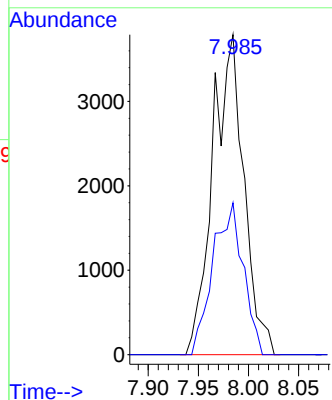
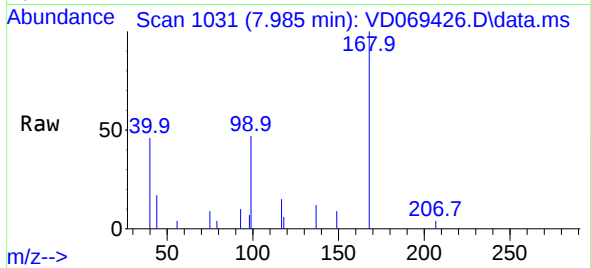




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

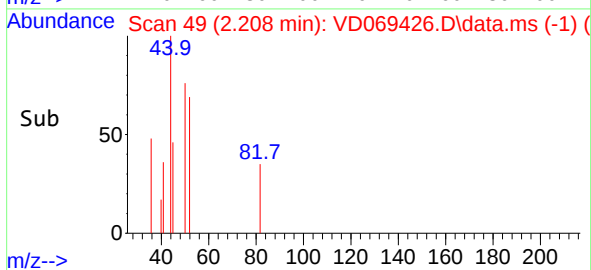
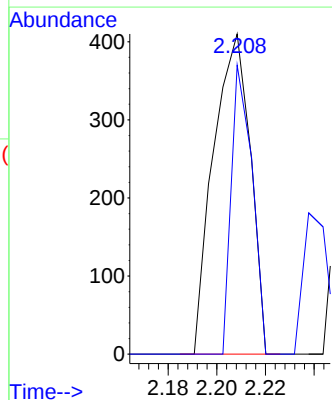
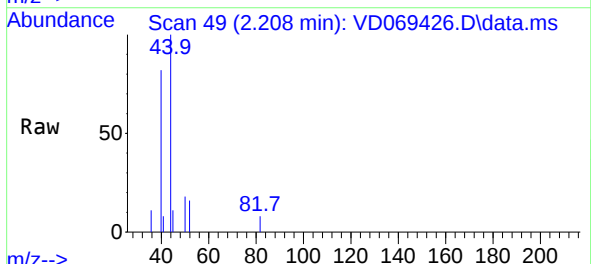
Instrument :
MSVOA_D
ClientSampled :

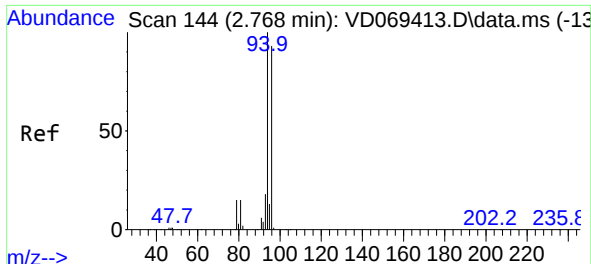
Tgt Ion:168 Resp: 8196
Ion Ratio Lower Upper
168 100
99 47.5 46.2 69.2



#3
Chloromethane
Concen: 5.28 ug/l
RT: 2.208 min Scan# 49
Delta R.T. -0.001 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

Tgt Ion: 50 Resp: 431
Ion Ratio Lower Upper
50 100
52 90.2 26.7 40.1#

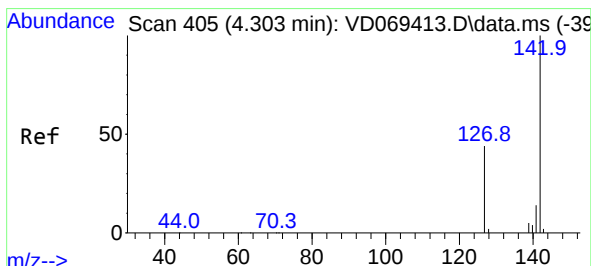
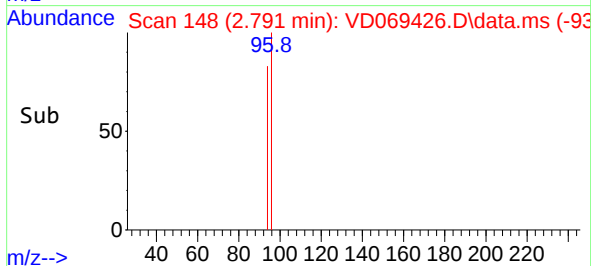
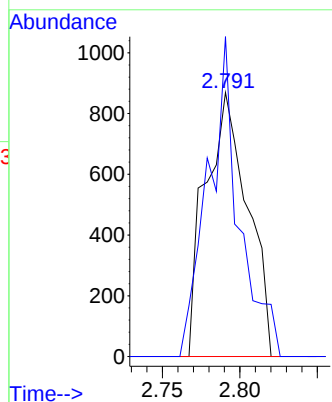
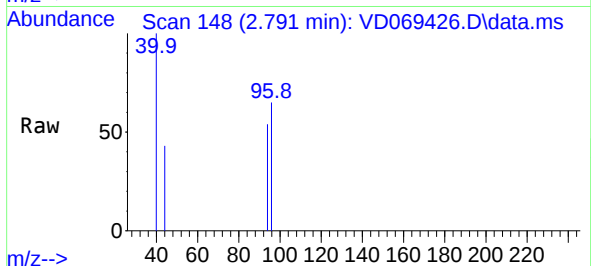




#5
Bromomethane
Concen: 21.19 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

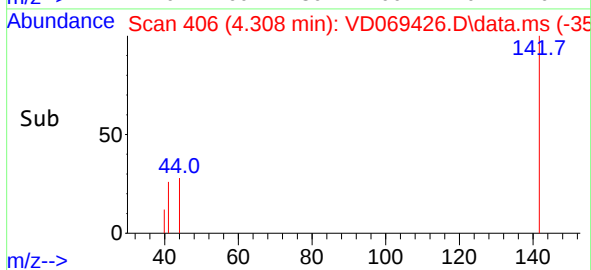
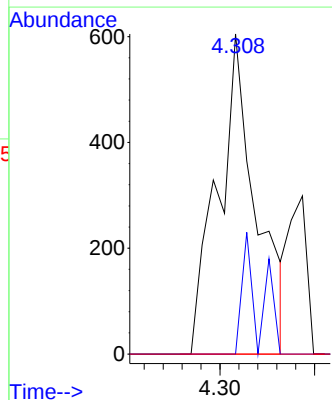
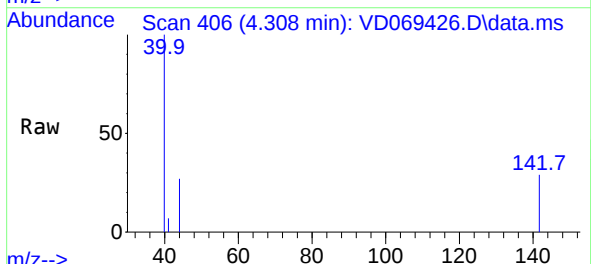
Instrument :
MSVOA_D
ClientSampleId :

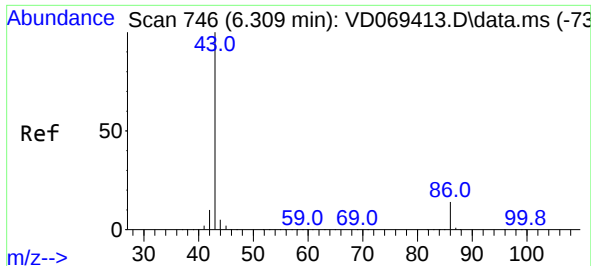
Tgt Ion: 94 Resp: 1645
Ion Ratio Lower Upper
94 100
96 121.2 70.3 105.5#



#10
Methyl Iodide
Concen: 11.32 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.005 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

Tgt Ion: 142 Resp: 848
Ion Ratio Lower Upper
142 100
127 17.1 36.2 54.2#
141 0.0 12.2 18.2#

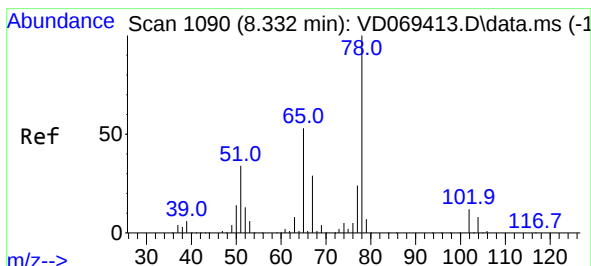
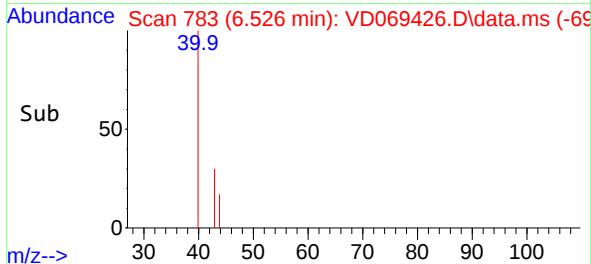
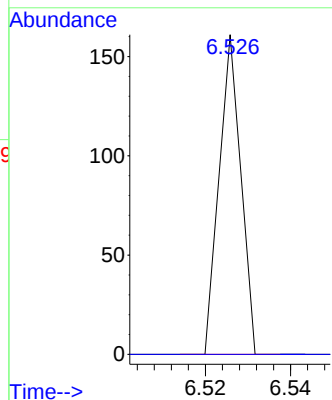
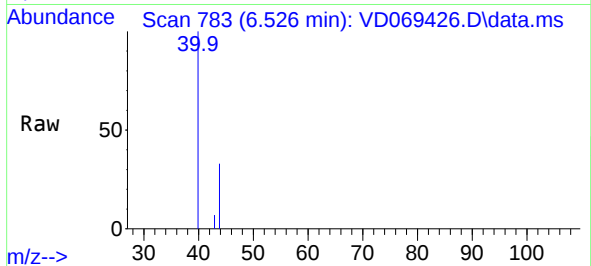




#23
 Vinyl Acetate
 Concen: 17.98 ug/l
 RT: 6.526 min Scan# 783
 Delta R.T. 0.217 min
 Lab File: VD069426.D
 Acq: 14 Jun 2021 14:55

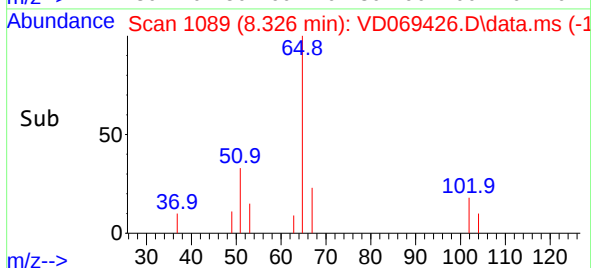
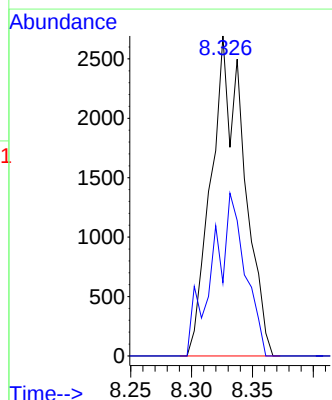
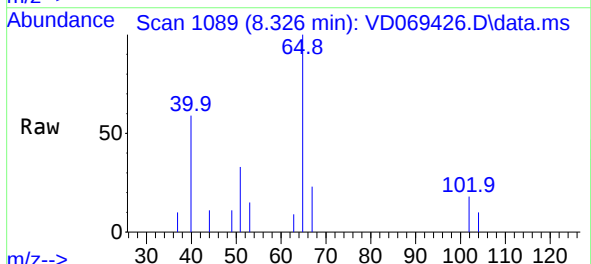
Instrument :
 MSVOA_D
 ClientSampleID :

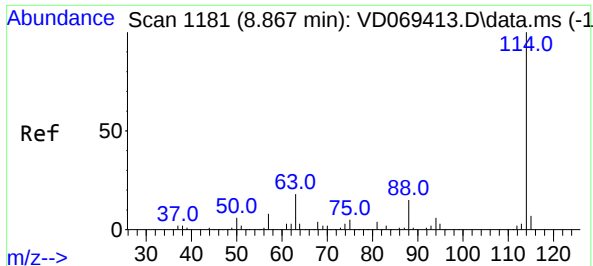
Tgt Ion: 43 Resp: 57
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#33
 1,2-Dichloroethane-d4
 Concen: 54.86 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: VD069426.D
 Acq: 14 Jun 2021 14:55

Tgt Ion: 65 Resp: 5073
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 105.8

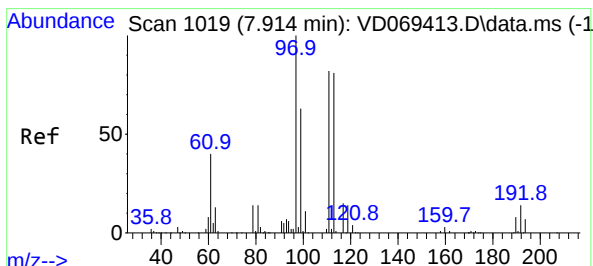
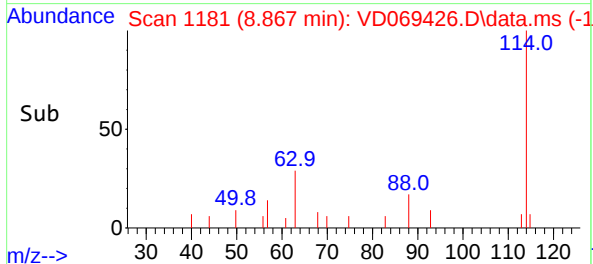
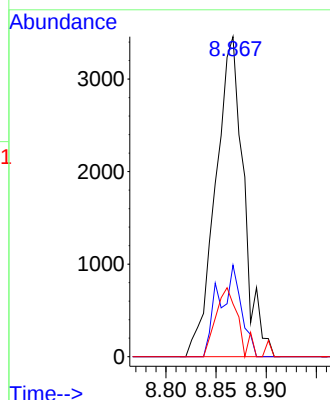
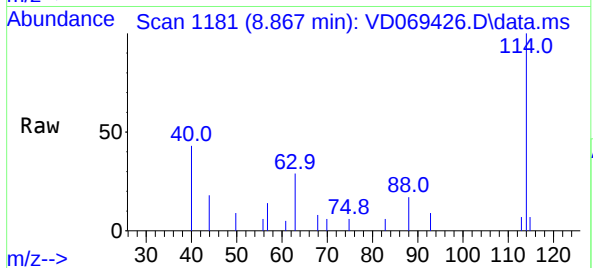




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

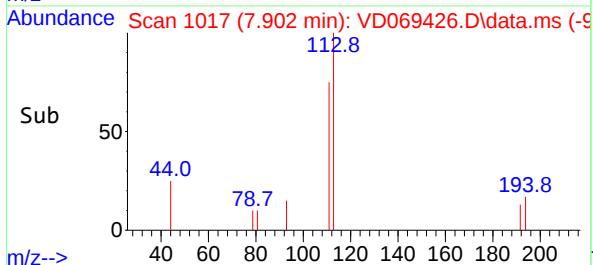
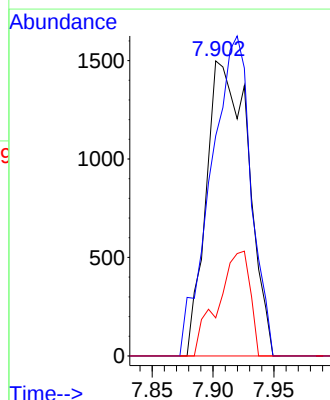
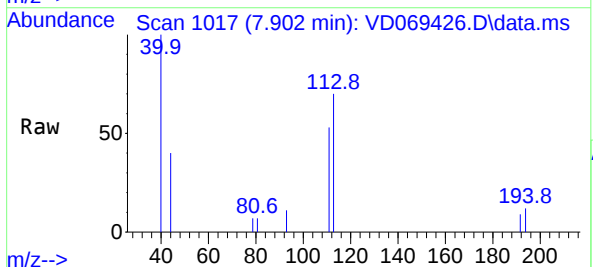
Instrument :
MSVOA_D
ClientSampleId :

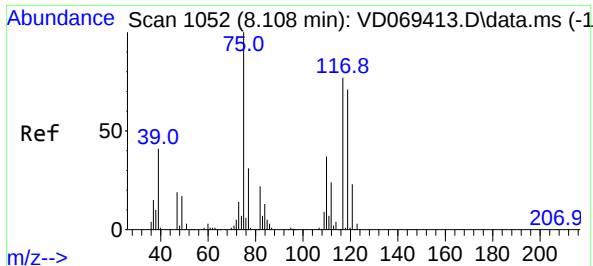
Tgt Ion:114 Resp: 6707
Ion Ratio Lower Upper
114 100
63 28.6 0.0 35.6
88 16.5 0.0 31.2



#35
Dibromofluoromethane
Concen: 71.44 ug/l
RT: 7.902 min Scan# 1017
Delta R.T. -0.012 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

Tgt Ion:113 Resp: 3589
Ion Ratio Lower Upper
113 100
111 0.0 83.0 124.6#
192 0.0 15.1 22.7#

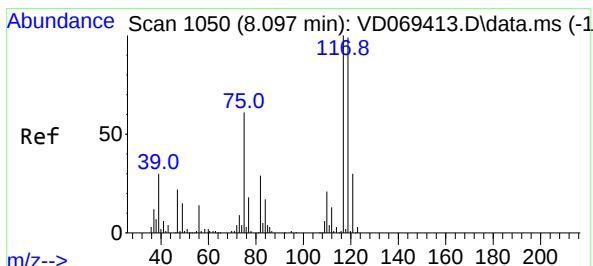
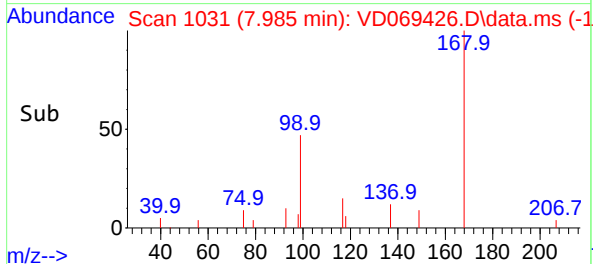
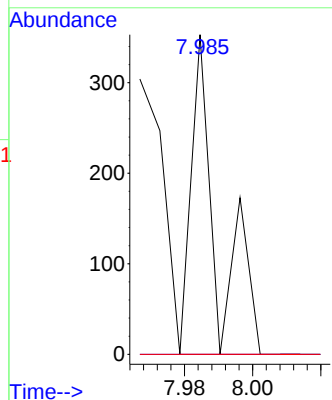
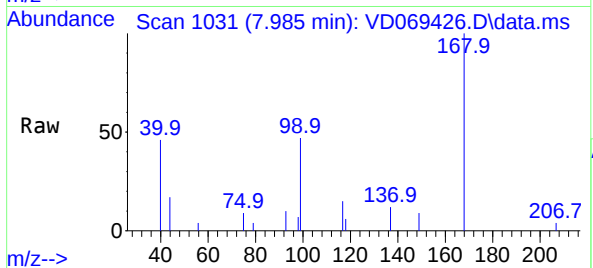




#36
1,1-Dichloropropene
Concen: 2.66 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.123 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

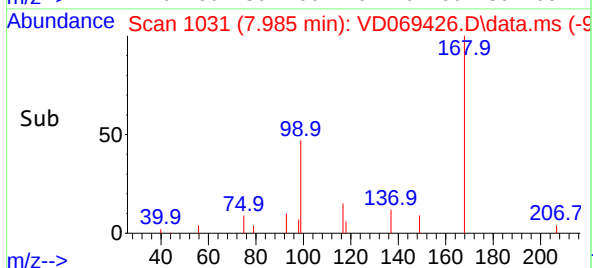
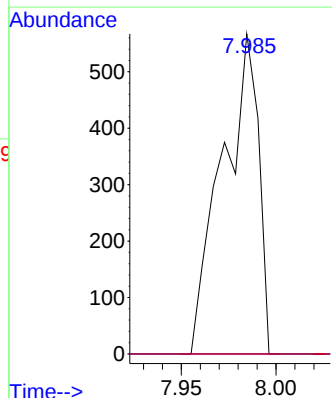
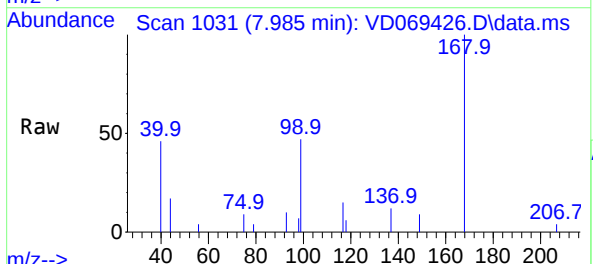
Instrument :
MSVOA_D
ClientSampled :

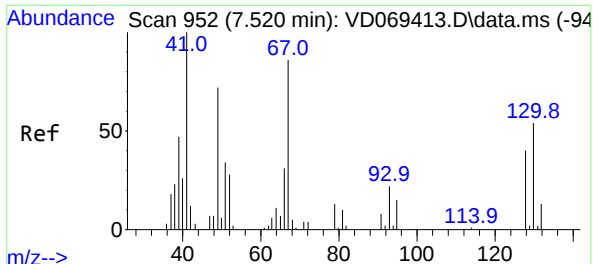
Tgt Ion: 75 Resp: 186
Ion Ratio Lower Upper
75 100
110 0.0 18.4 55.2#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 9.95 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

Tgt Ion: 117 Resp: 753
Ion Ratio Lower Upper
117 100
119 0.0 79.4 119.2#
121 0.0 26.1 39.1#

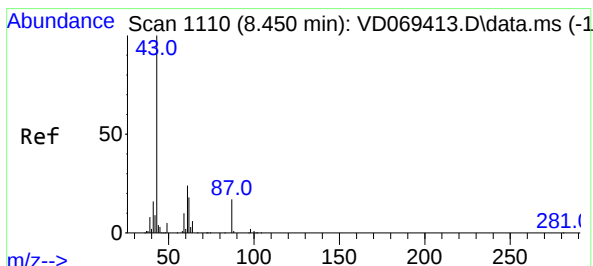
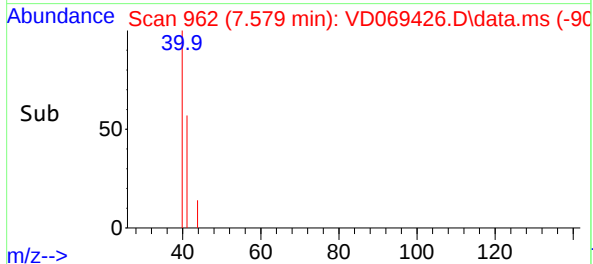
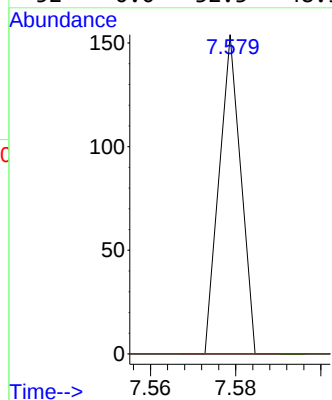
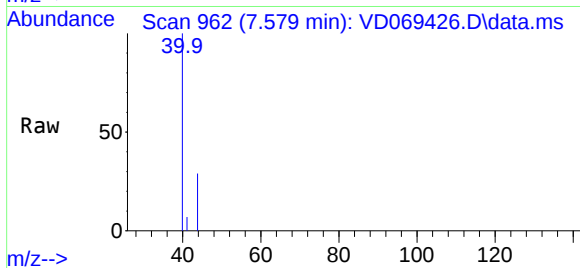




#41
Methacrylonitrile
Concen: 4.65 ug/l
RT: 7.579 min Scan# 962
Delta R.T. 0.059 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

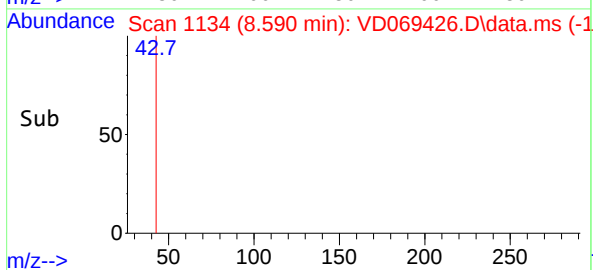
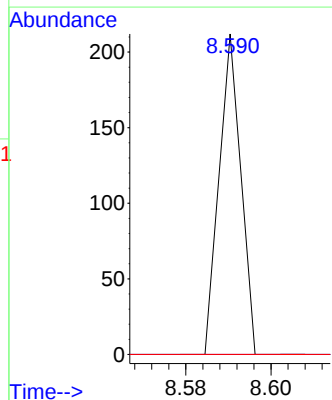
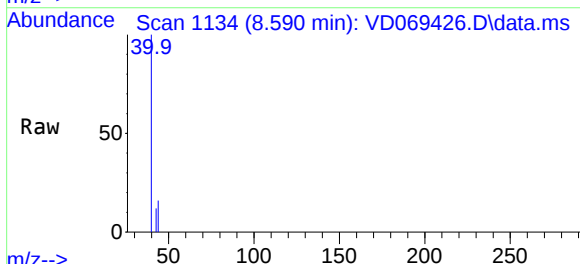
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MSVOA_D
ClientSampleId :

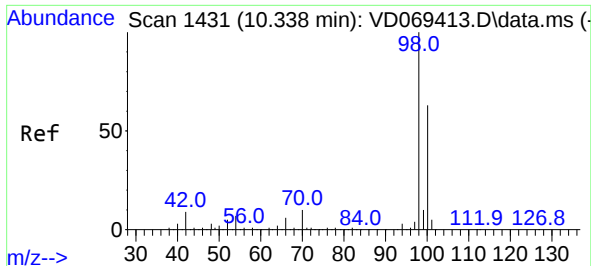
Tgt Ion:	41	Resp:	54
Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.6	76.0#
67	0.0	86.2	129.4#
52	0.0	32.3	48.5#



#43
Isopropyl Acetate
Concen: 1.70 ug/l
RT: 8.590 min Scan# 1134
Delta R.T. 0.140 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

Tgt Ion:	43	Resp:	75
Ion	Ratio	Lower	Upper
43	100		
61	0.0	29.0	43.6#
87	0.0	12.7	19.1#

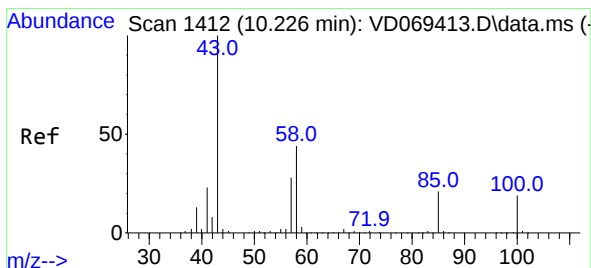
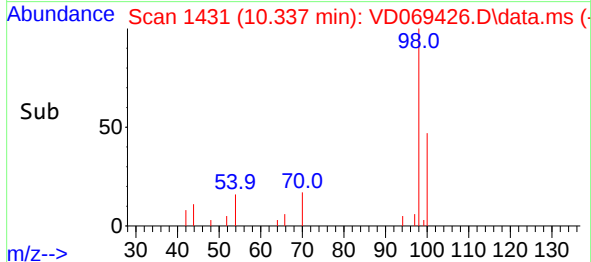
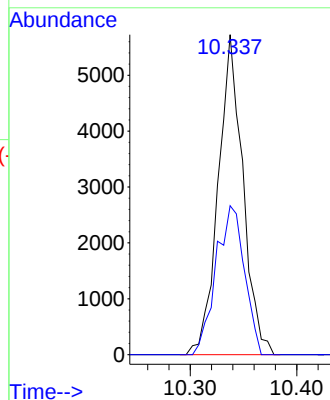
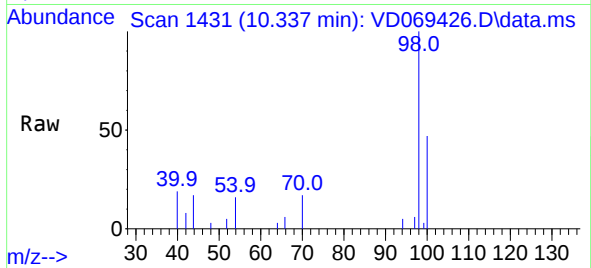




#50
Toluene-d8
Concen: 50.09 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

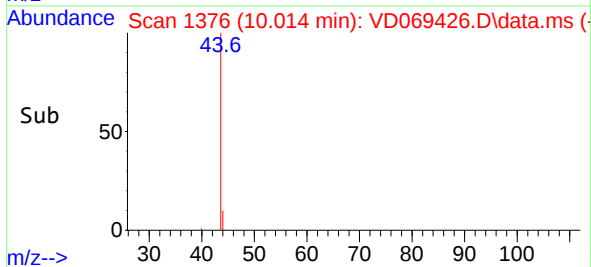
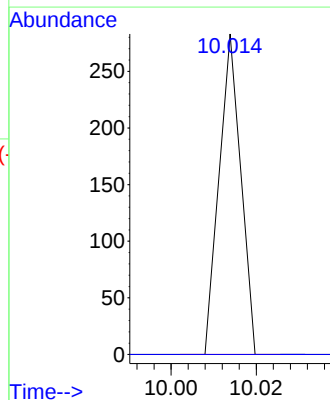
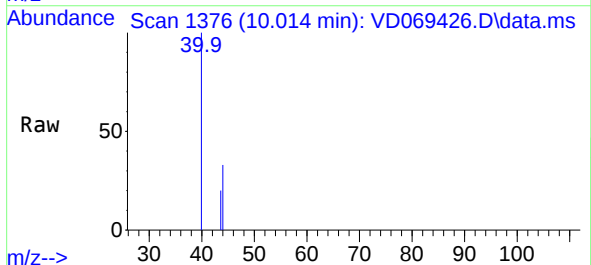
Instrument :
MSVOA_D
ClientSampled :

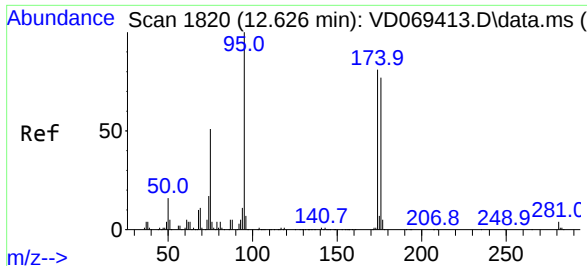
Tgt Ion: 98 Resp: 9203
Ion Ratio Lower Upper
98 100
100 53.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.44 ug/l
RT: 10.014 min Scan# 1376
Delta R.T. -0.212 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

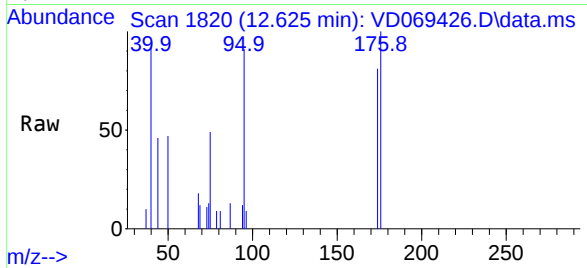
Tgt Ion: 43 Resp: 100
Ion Ratio Lower Upper
43 100
58 0.0 35.1 52.7#





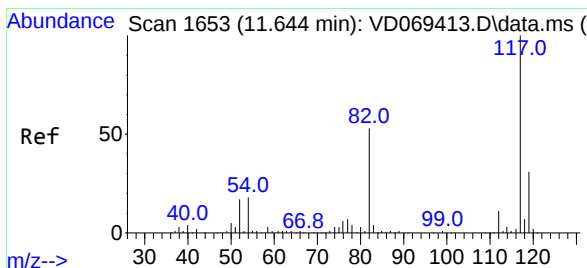
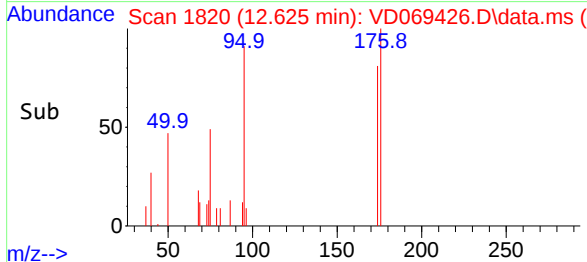
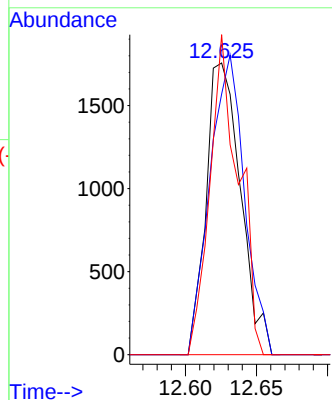
#62
4-Bromofluorobenzene
Concen: 50.43 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.001 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

Instrument :
MSVOA_D
ClientSampleId :

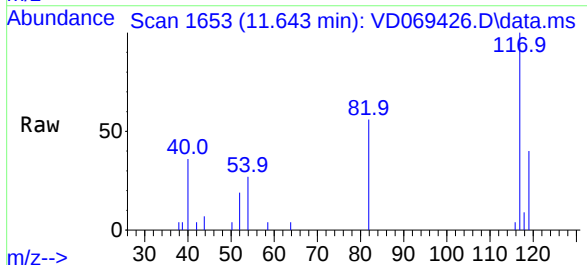


Tgt Ion: 95 Resp: 2973

Ion	Ratio	Lower	Upper
95	100		
174	103.1	0.0	162.8
176	91.6	0.0	154.4

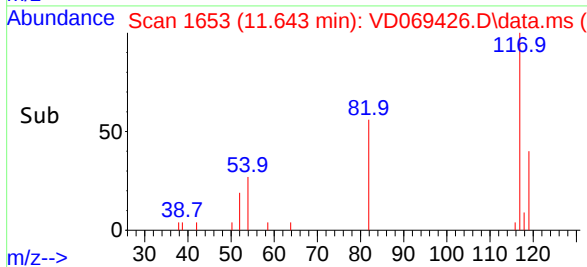
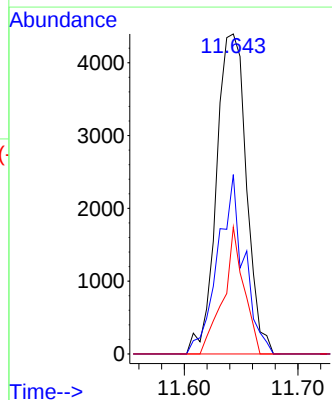


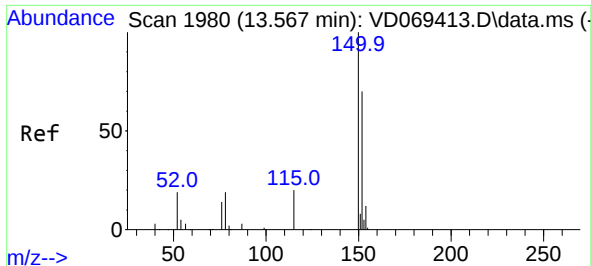
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.001 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55



Tgt Ion: 117 Resp: 8051

Ion	Ratio	Lower	Upper
117	100		
82	56.1	43.3	64.9
119	39.6	25.3	37.9#

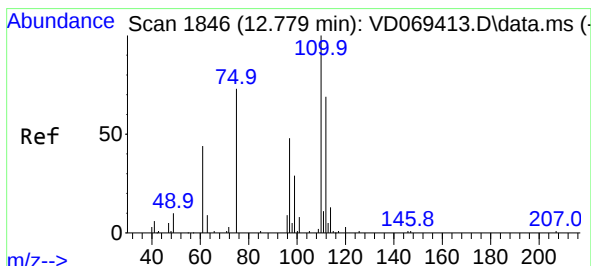
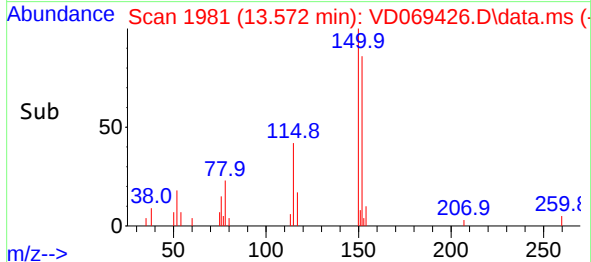
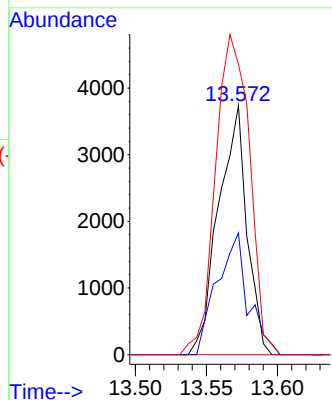
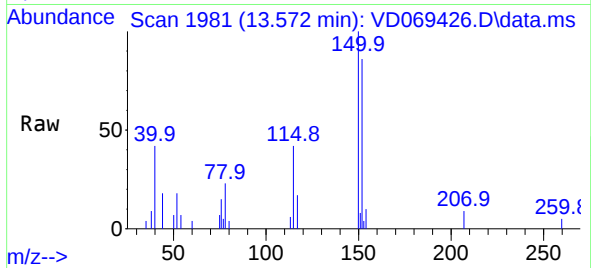




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.572 min Scan# 1981
Delta R.T. 0.005 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

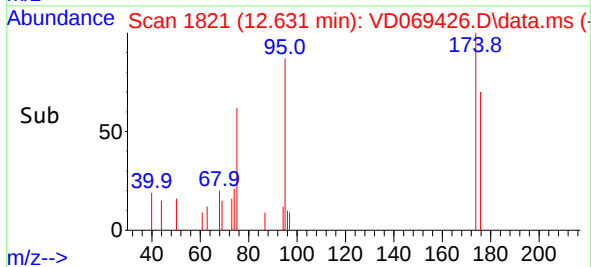
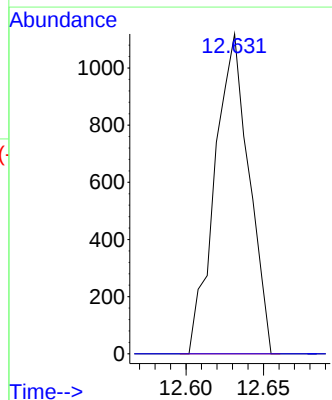
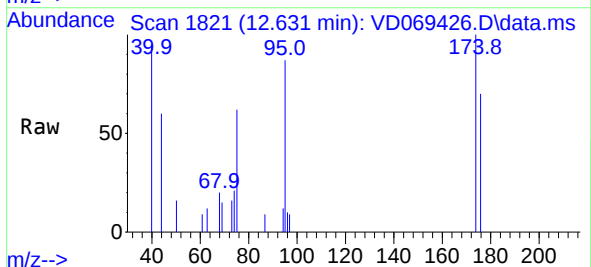
Instrument :
MSVOA_D
ClientSampleId :

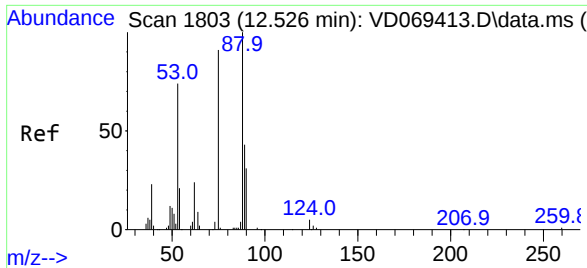
Tgt Ion:152 Resp: 5208
Ion Ratio Lower Upper
152 100
115 53.4 29.4 88.3
150 153.8 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 32.48 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.148 min
Lab File: VD069426.D
Acq: 14 Jun 2021 14:55

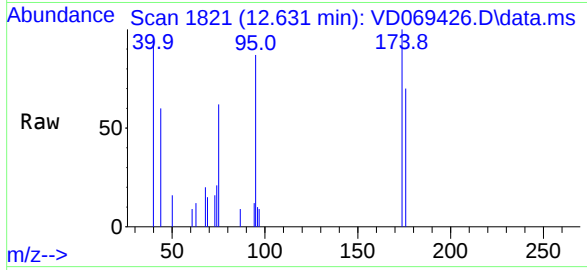
Tgt Ion: 75 Resp: 1715
Ion Ratio Lower Upper
75 100
77 0.0 183.8 551.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.65 ug/l
 RT: 12.631 min Scan# 1821
 Delta R.T. 0.105 min
 Lab File: VD069426.D
 Acq: 14 Jun 2021 14:55

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 1715
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 35.6 53.4#

