

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021122\
 Data File : VD071940.D
 Acq On : 11 Feb 2022 16:51
 Operator : VA/SY
 Sample : N1489-01
 Misc : 2.88G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 23:59:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

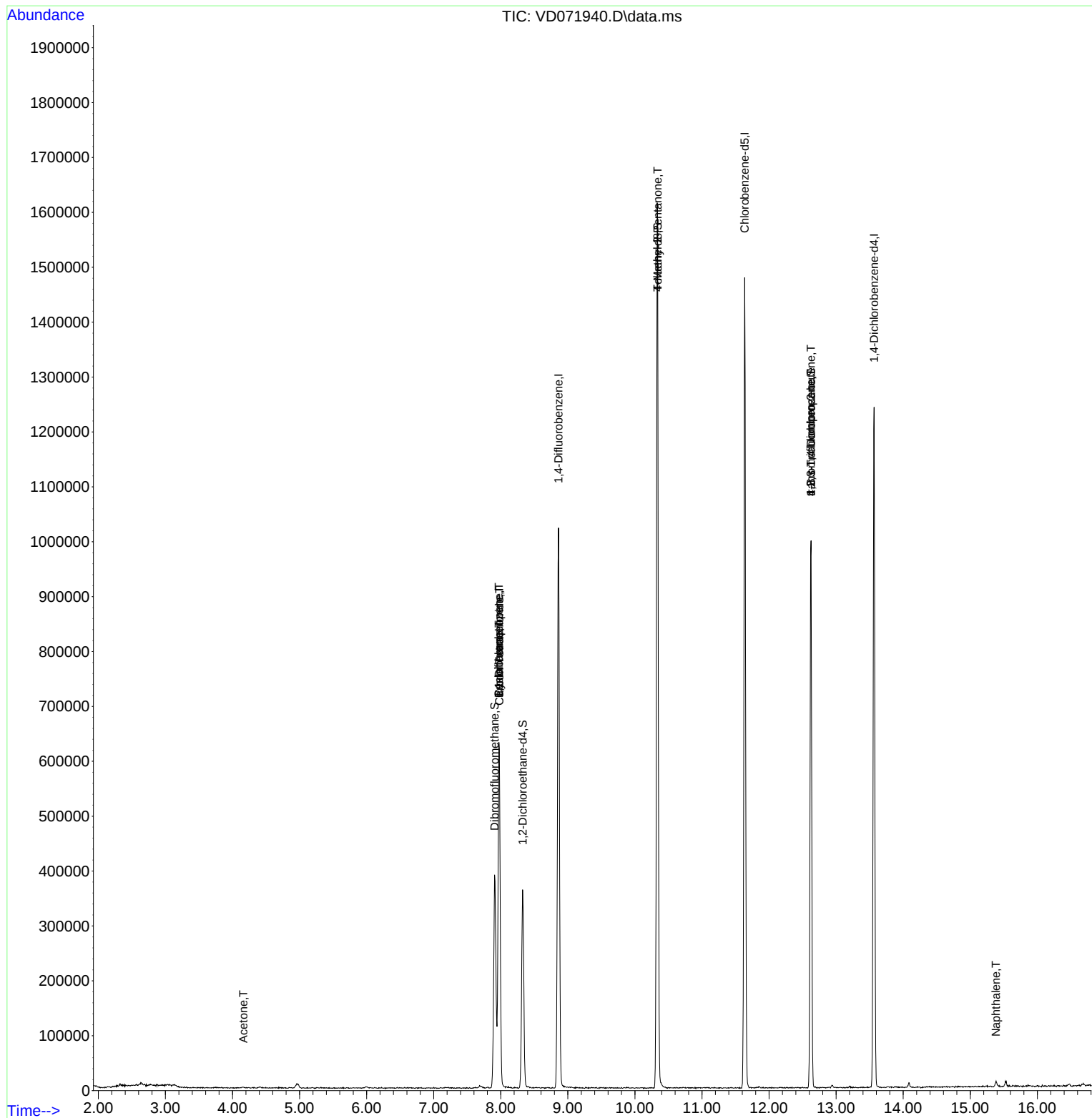
Internal Standards						
1) Pentafluorobenzene	7.973	168	436324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	822958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	777215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	315634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	286278	51.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.820%			
35) Dibromofluoromethane	7.908	113	272853	50.439	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.880%			
50) Toluene-d8	10.338	98	1062247	52.579	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.160%			
62) 4-Bromofluorobenzene	12.626	95	326726	46.311	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.620%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.185	59	65	Below Cal	#	74
16) Acetone	4.161	43	2754	1.824	ug/l #	89
20) Methylene Chloride	4.967	84	5564	Below Cal	#	59
31) Cyclohexane	7.973	56	11827	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	39615	4.267	ug/l #	51
38) Carbon Tetrachloride	7.979	117	46822	5.099	ug/l #	16
51) 4-Methyl-2-Pentanone	10.338	43	4965	1.223	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	182993	55.012	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	182993	135.263	ug/l #	7
95) Naphthalene	15.384	128	6923	2.067	ug/l #	92

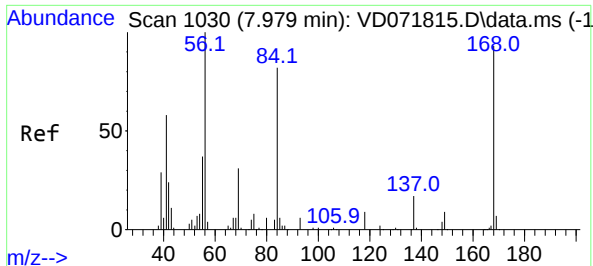
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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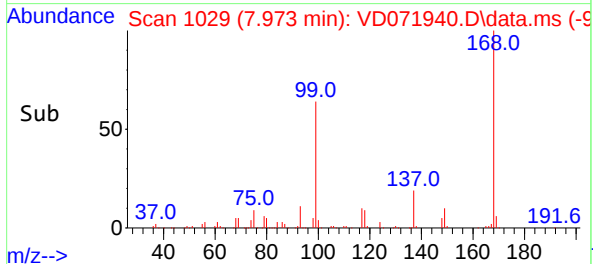
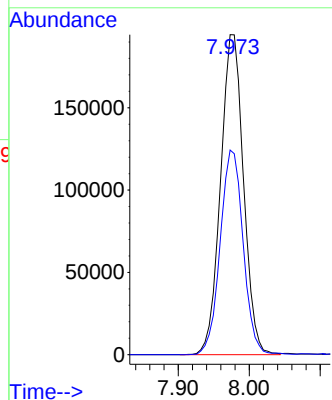
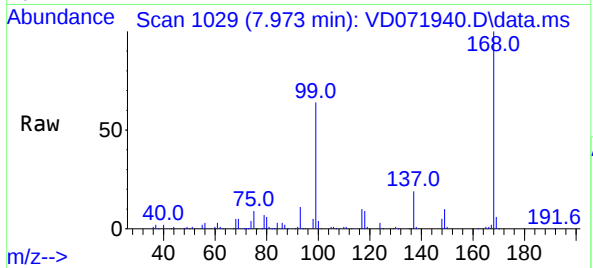




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

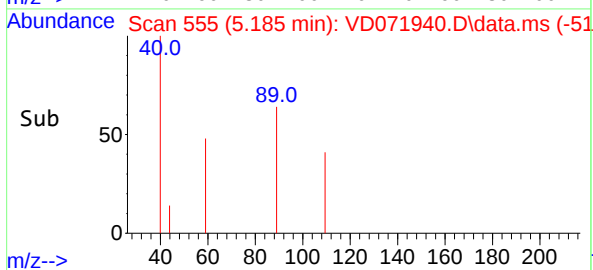
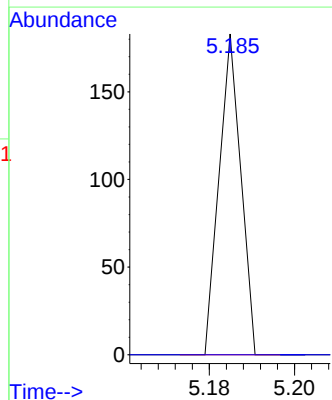
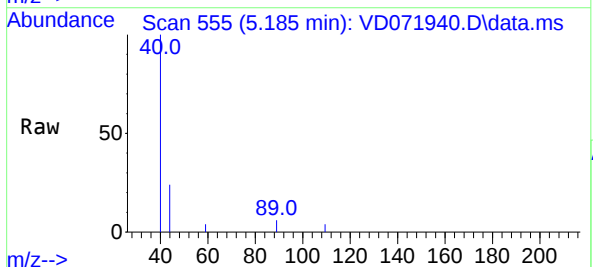
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 436324
Ion Ratio Lower Upper
168 100
99 64.0 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.036 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

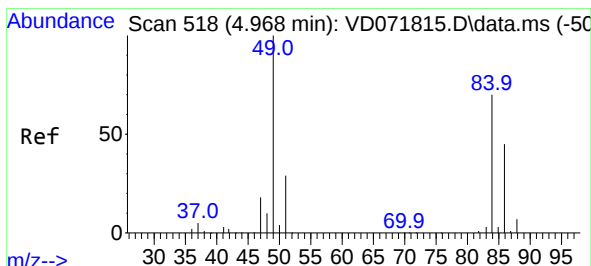
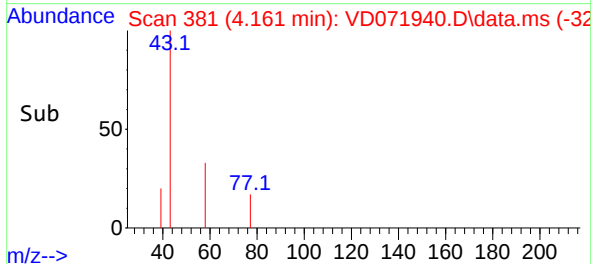
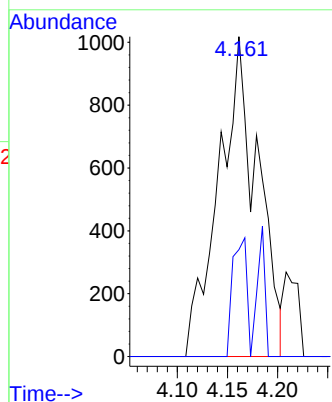
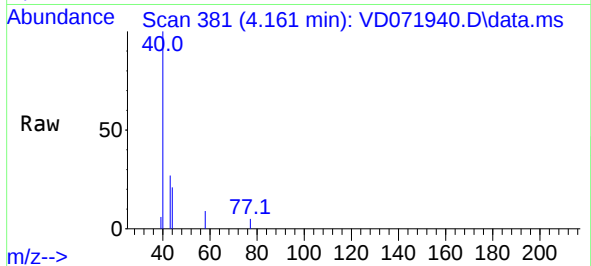




#16
Acetone
Concen: 1.824 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

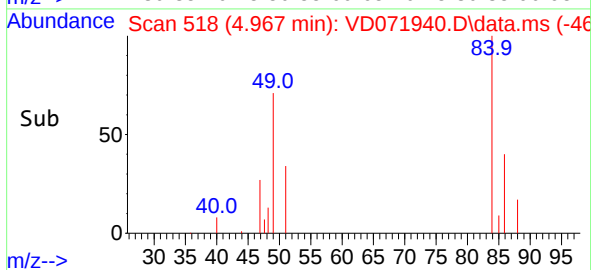
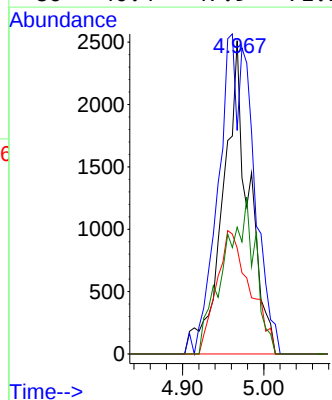
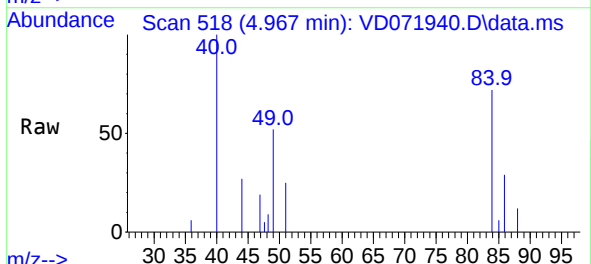
Instrument :
MSVOA_D
ClientSampleId :

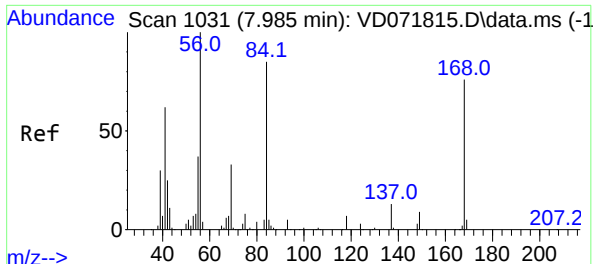
Tgt Ion: 43 Resp: 2754
Ion Ratio Lower Upper
43 100
58 33.4 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

Tgt Ion: 84 Resp: 5564
Ion Ratio Lower Upper
84 100
49 71.4 112.8 169.2#
51 33.8 32.6 48.8
86 40.4 47.9 71.9#





#31

Cyclohexane

Concen: 1.123 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

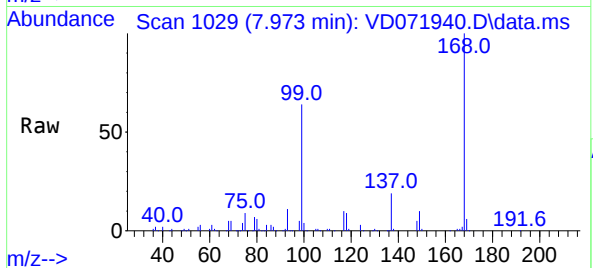
Lab File: VD071940.D

Acq: 11 Feb 2022 16:51

Instrument :

MSVOA_D

ClientSampleId :



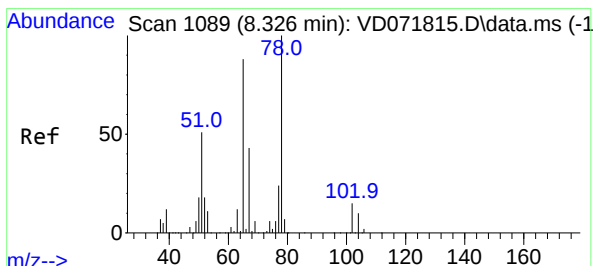
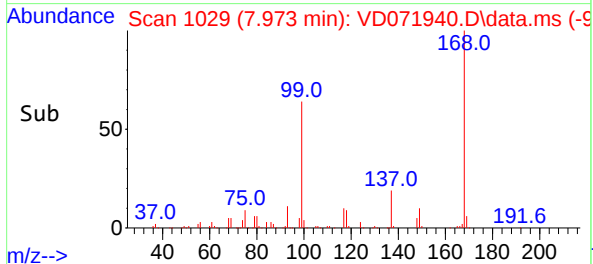
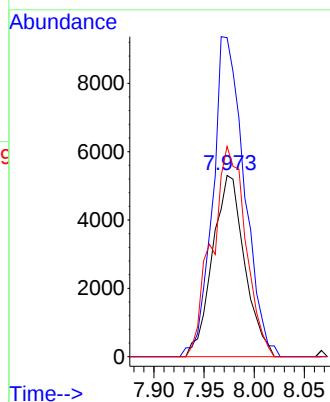
Tgt Ion: 56 Resp: 11827

Ion Ratio Lower Upper

56 100

69 176.0 25.4 38.2#

84 116.0 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 51.910 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071940.D

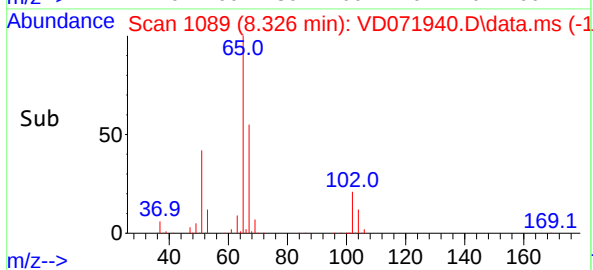
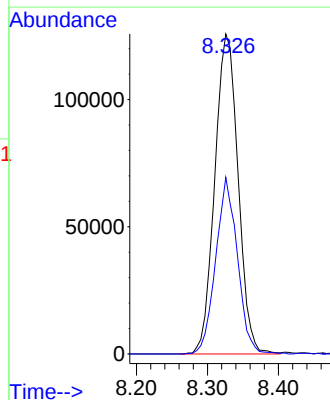
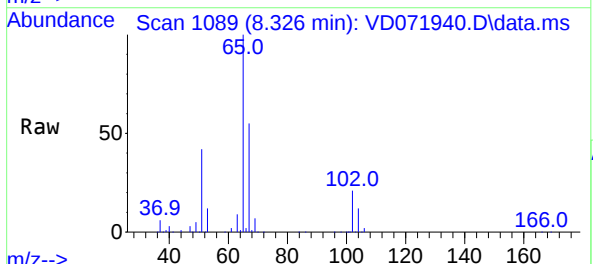
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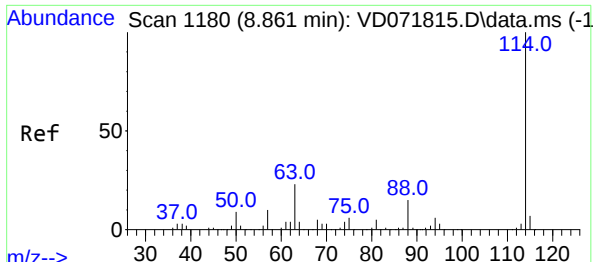
Tgt Ion: 65 Resp: 286278

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.4

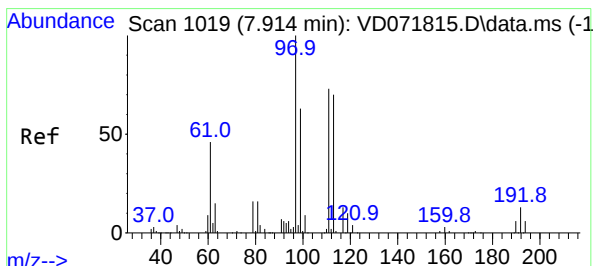
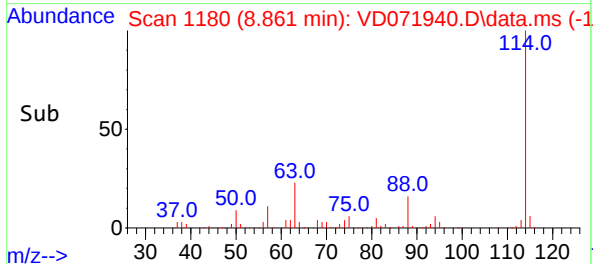
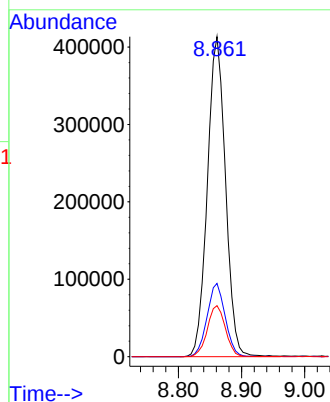
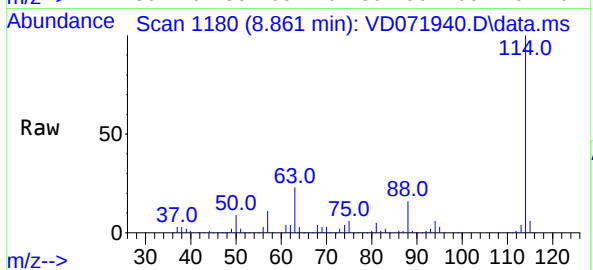




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

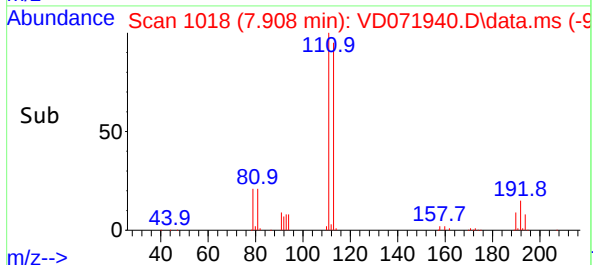
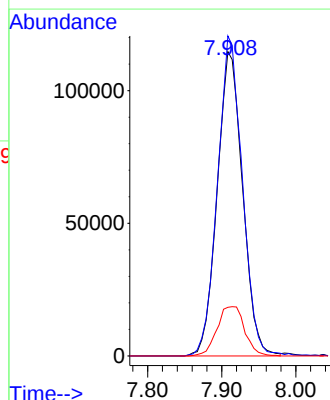
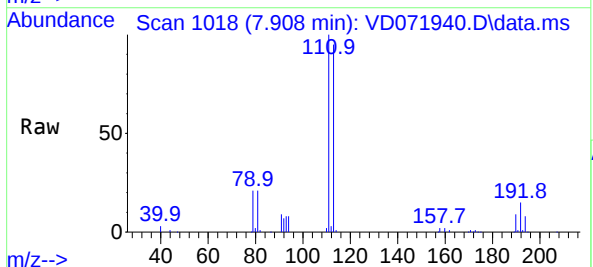
Instrument :
MSVOA_D
ClientSampleId :

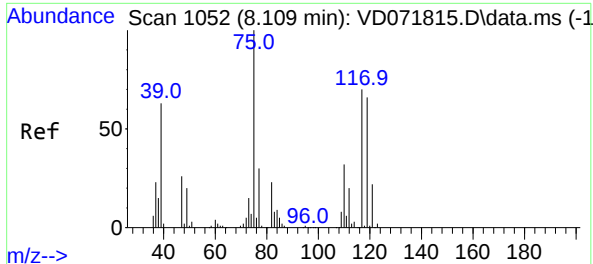
Tgt Ion:114 Resp: 822958
Ion Ratio Lower Upper
114 100
63 22.9 0.0 46.6
88 15.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 50.439 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

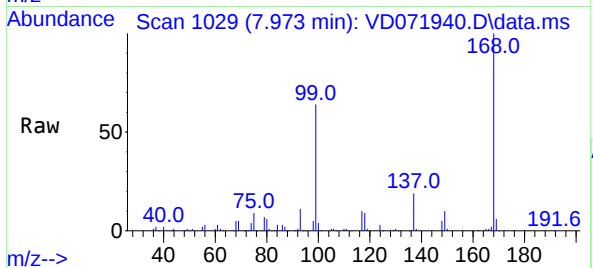
Tgt Ion:113 Resp: 272853
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 17.6 14.6 21.8



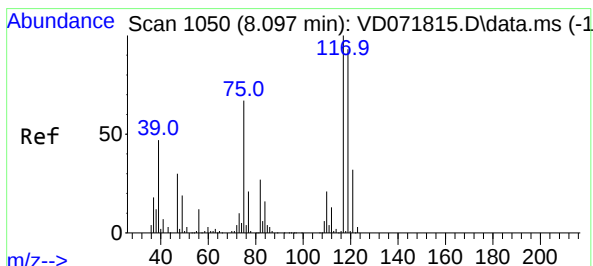
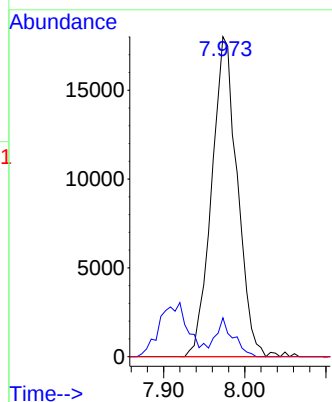
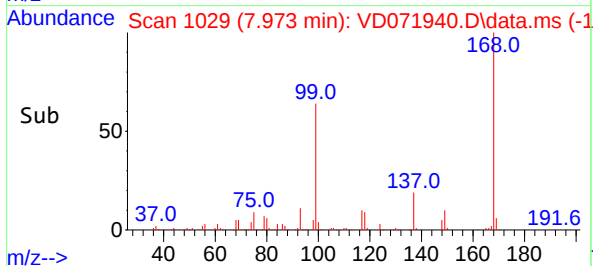


#36
1,1-Dichloropropene
Concen: 4.267 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

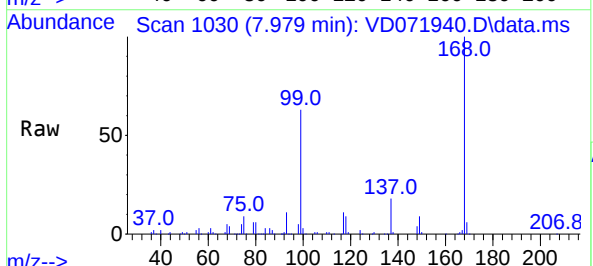
Instrument :
MSVOA_D
ClientSampleId :



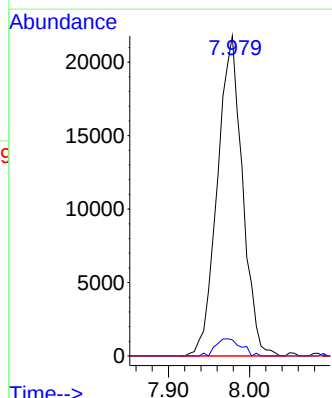
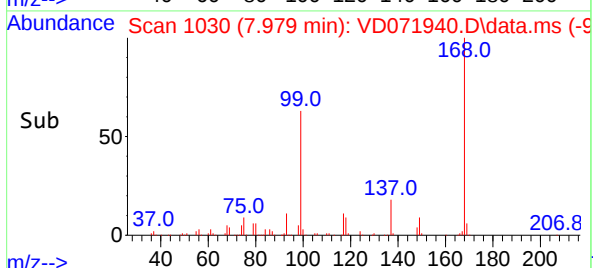
Tgt Ion: 75 Resp: 39615
Ion Ratio Lower Upper
75 100
110 8.0 16.4 49.1#
77 0.0 24.2 36.2#

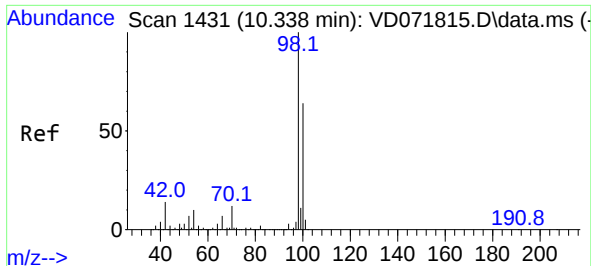


#38
Carbon Tetrachloride
Concen: 5.099 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51



Tgt Ion: 117 Resp: 46822
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.5 36.7#

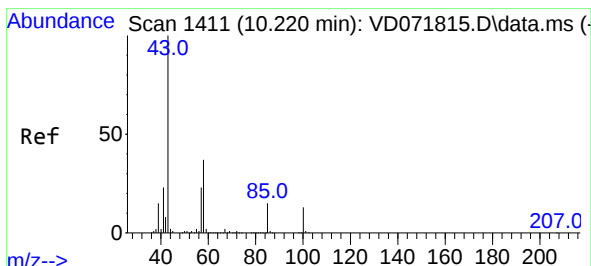
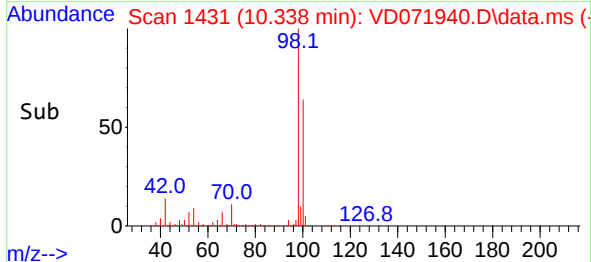
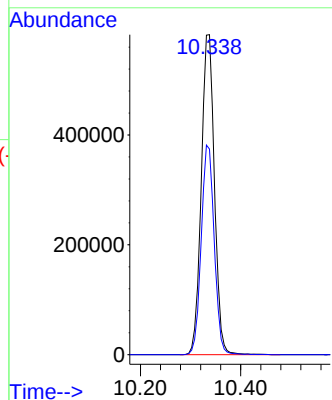
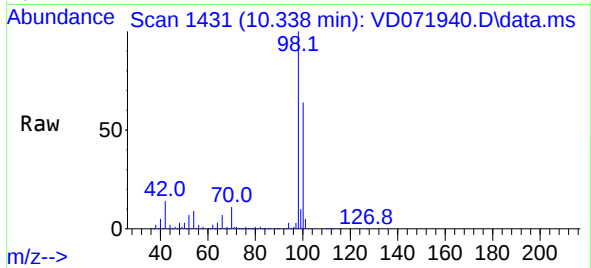




#50
Toluene-d8
Concen: 52.579 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

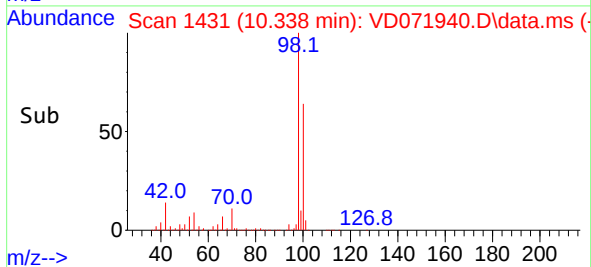
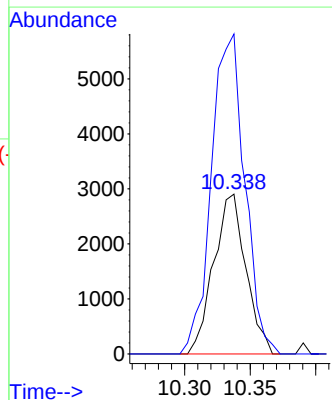
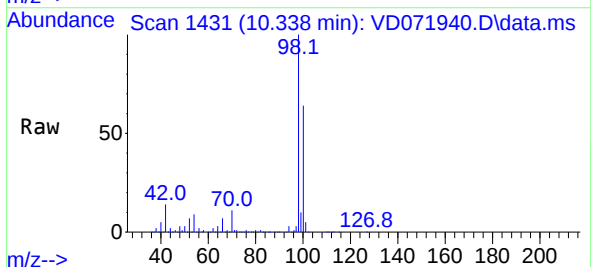
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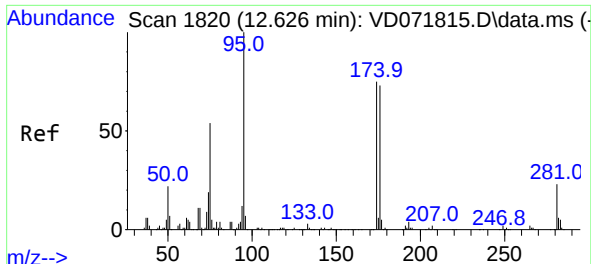
Tgt Ion: 98 Resp: 1062247
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.223 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

Tgt Ion: 43 Resp: 4965
Ion Ratio Lower Upper
43 100
58 207.3 28.6 43.0#

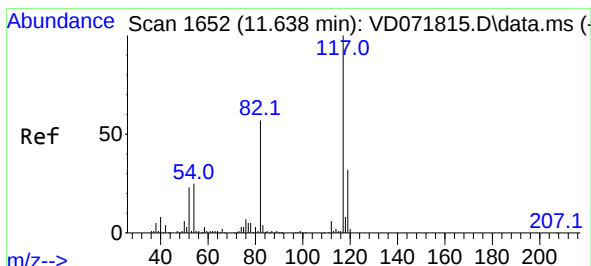
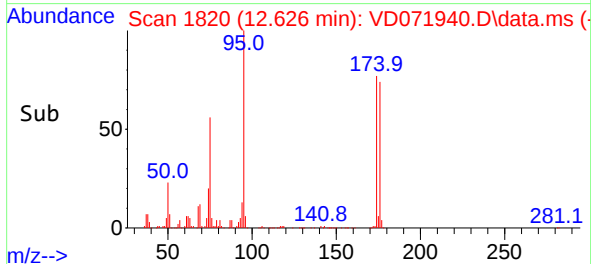
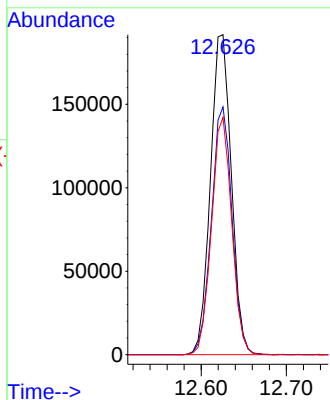
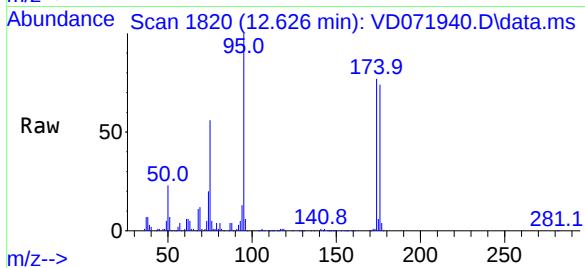




#62
4-Bromofluorobenzene
Concen: 46.311 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

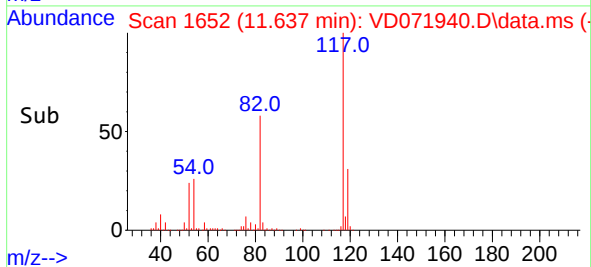
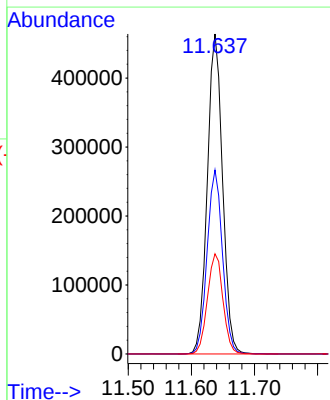
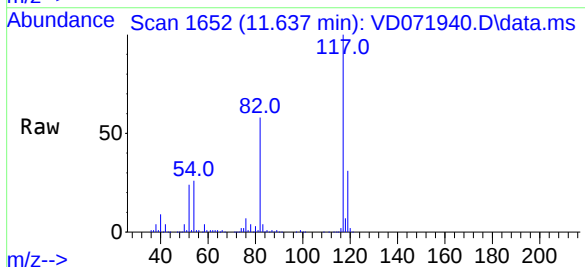
Instrument :
MSVOA_D
ClientSampleId :

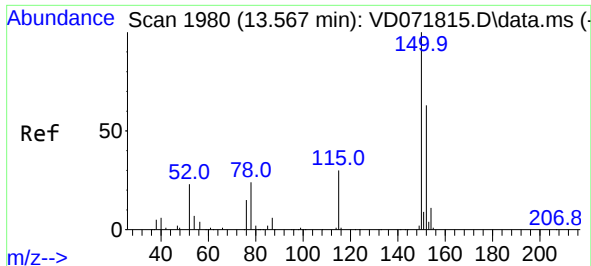
Tgt Ion: 95 Resp: 326726
Ion Ratio Lower Upper
95 100
174 76.5 0.0 152.8
176 71.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

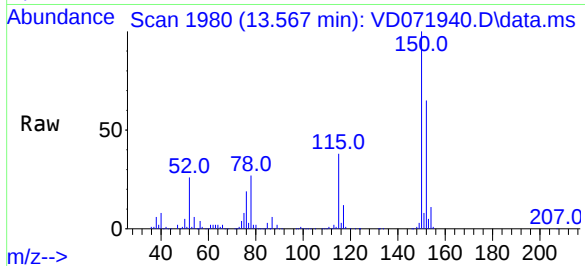
Tgt Ion: 117 Resp: 777215
Ion Ratio Lower Upper
117 100
82 57.5 45.3 67.9
119 31.3 26.6 40.0





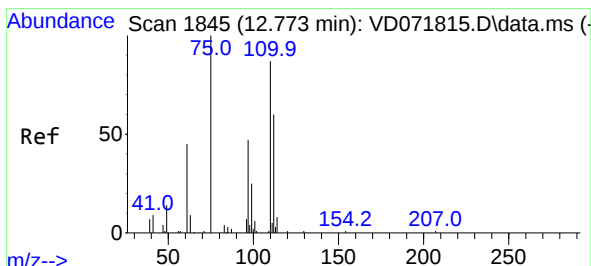
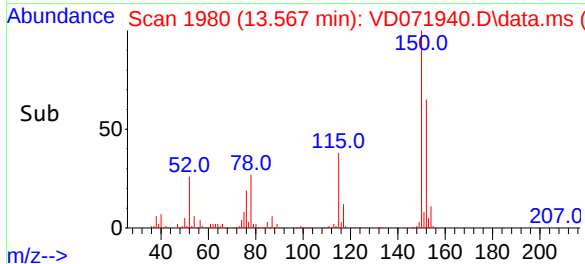
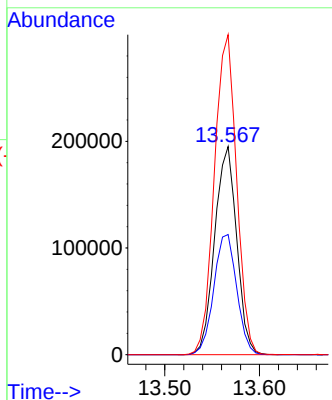
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD071940.D
 Acq: 11 Feb 2022 16:51

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:152 Resp: 315634

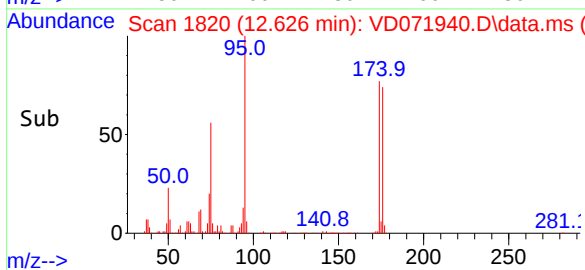
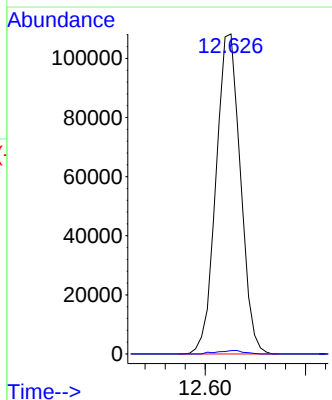
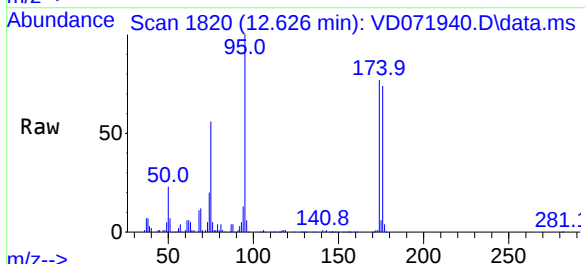
Ion	Ratio	Lower	Upper
152	100		
115	60.3	31.3	93.8
150	155.3	0.0	348.6

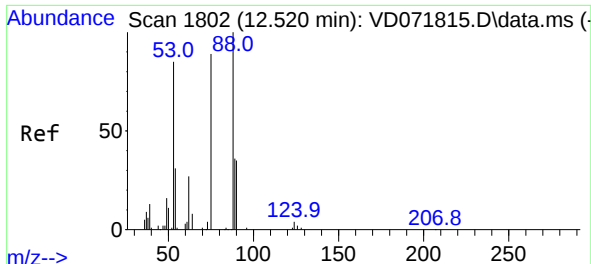


#76
 1,2,3-Trichloropropane
 Concen: 55.012 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071940.D
 Acq: 11 Feb 2022 16:51

Tgt Ion: 75 Resp: 182993

Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

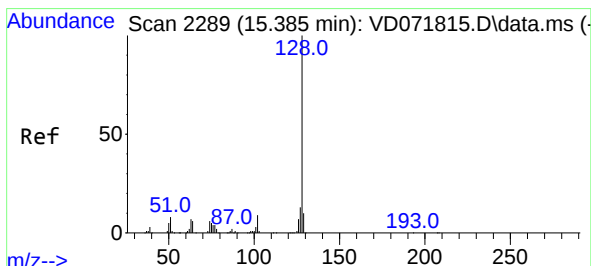
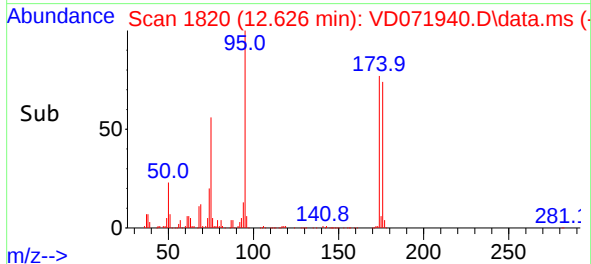
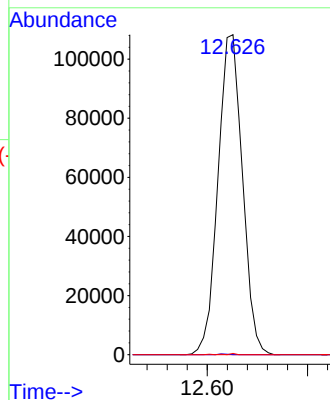
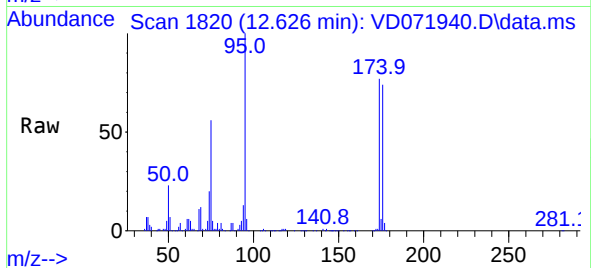




#81
trans-1,4-Dichloro-2-butene
Concen: 135.263 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 182993
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 2.067 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD071940.D
Acq: 11 Feb 2022 16:51

Tgt Ion:128 Resp: 6923
Ion Ratio Lower Upper
128 100
127 17.5 10.3 15.5#
129 11.6 8.4 12.6

