

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021422\
 Data File : VD071960.D
 Acq On : 14 Feb 2022 16:41
 Operator : VA/SY
 Sample : N1521-13
 Misc : 6.20G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP3-A

Quant Time: Feb 15 00:37:08 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)

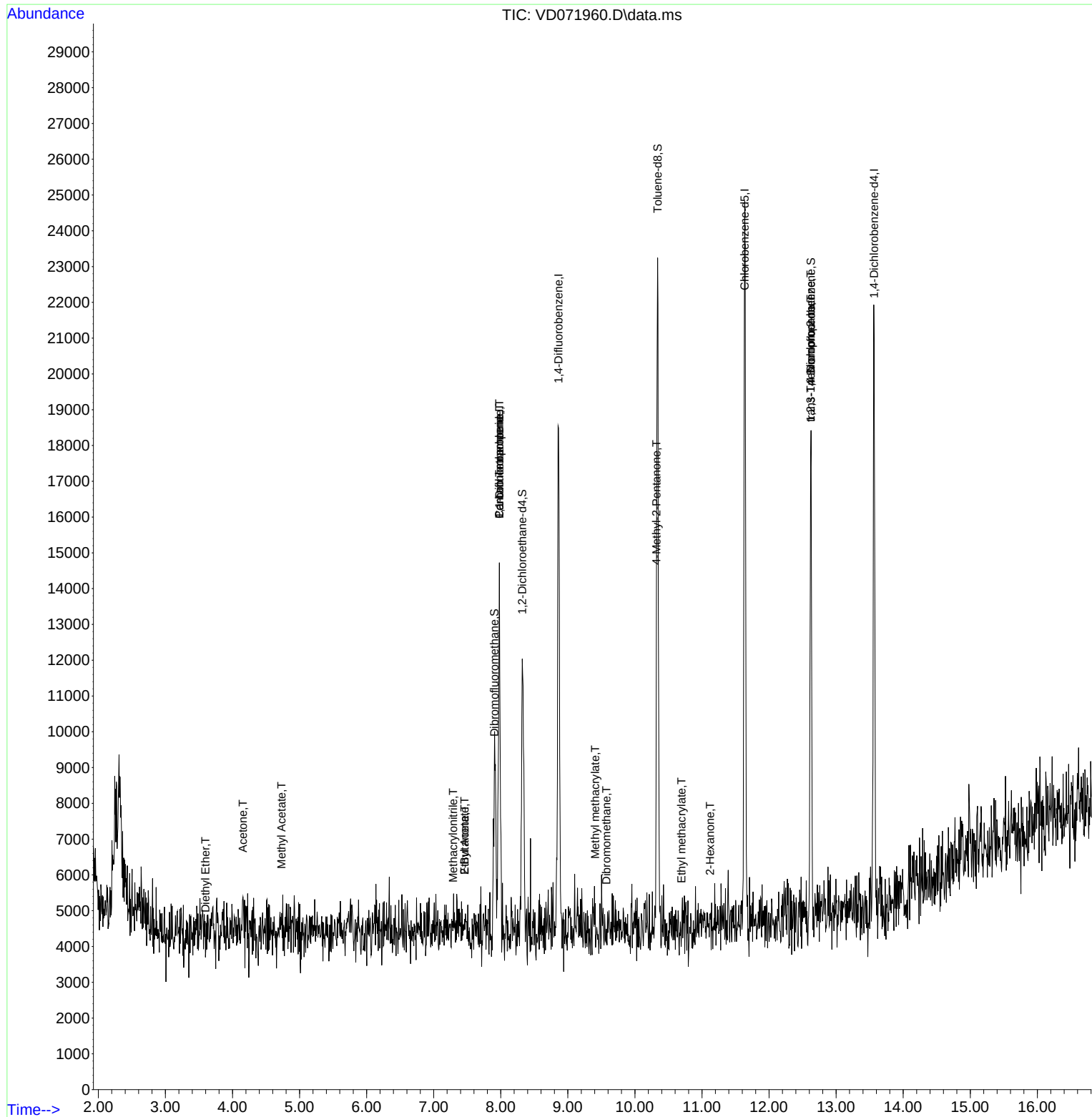
Internal Standards						
1) Pentafluorobenzene	7.979	168	7008	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	10771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	11079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	3935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	5764	65.073	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.140%	
35) Dibromofluoromethane	7.902	113	4125	58.262	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.520%	
50) Toluene-d8	10.338	98	12886	48.733	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.460%	
62) 4-Bromofluorobenzene	12.626	95	4305	46.622	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.240%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.597	74	55	1.396	ug/l #	1
16) Acetone	4.156	43	246	10.145	ug/l #	47
18) Methyl Acetate	4.732	43	144	2.747	ug/l #	55
20) Methylene Chloride	4.961	84	61	Below Cal	#	2
25) 2-Butanone	7.461	43	109	3.856	ug/l #	52
36) 1,1-Dichloropropene	7.979	75	532	4.378	ug/l #	43
37) Ethyl Acetate	7.461	43	109	1.929	ug/l #	72
38) Carbon Tetrachloride	7.979	117	692	5.758	ug/l #	13
41) Methacrylonitrile	7.291	41	66	2.065	ug/l #	27
46) Dibromomethane	9.573	93	54	1.219	ug/l #	6
48) Methyl methacrylate	9.408	41	58	1.079	ug/l #	19
51) 4-Methyl-2-Pentanone	10.320	43	120	2.258	ug/l #	1
56) Ethyl methacrylate	10.696	69	73	1.003	ug/l #	18
59) 2-Hexanone	11.120	43	60	1.556	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	2452	59.127	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	2452	145.380	ug/l #	7

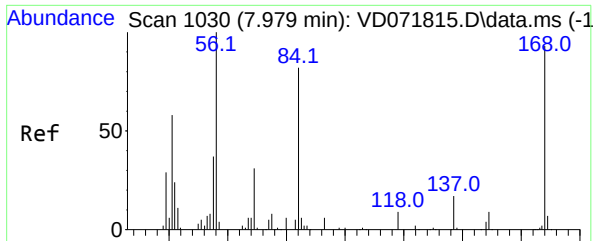
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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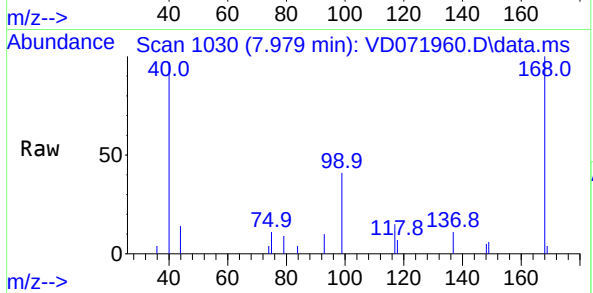
Quant Time: Feb 15 00:37:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
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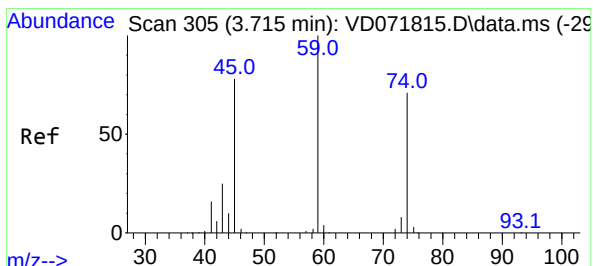
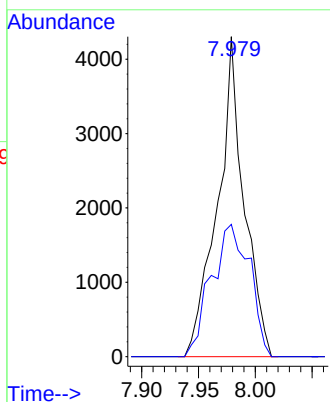
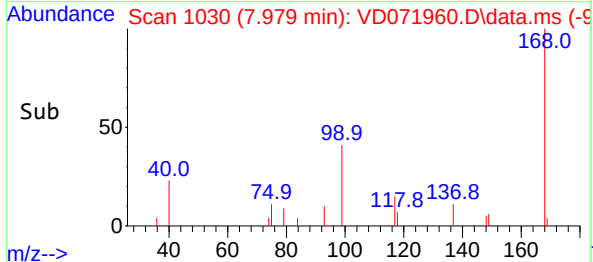


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

Instrument :
MSVOA_D
ClientSampleId :
TP3-A

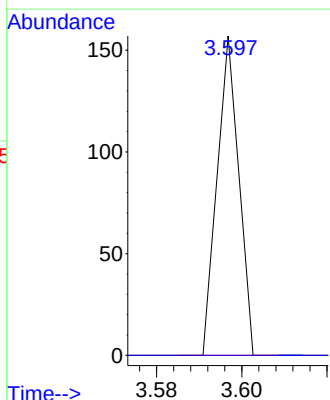
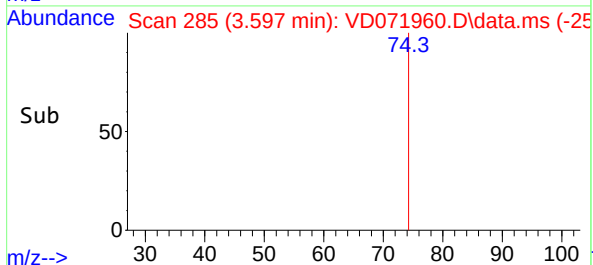
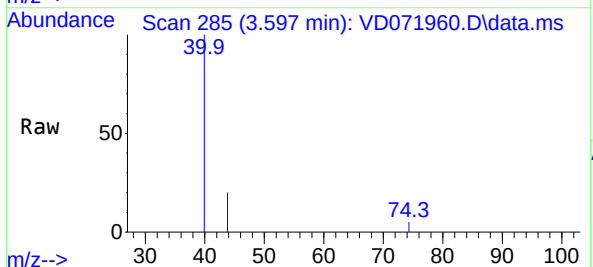


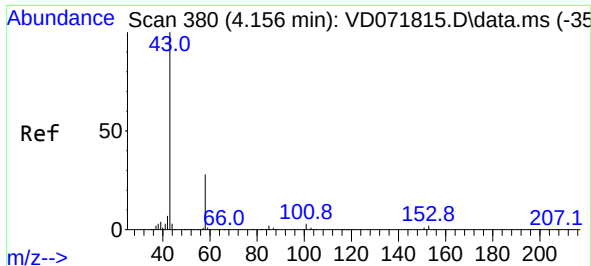
Tgt Ion:168 Resp: 7008
Ion Ratio Lower Upper
168 100
99 41.4 49.8 74.6#



#8
Diethyl Ether
Concen: 1.396 ug/l
RT: 3.597 min Scan# 285
Delta R.T. -0.112 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

Tgt Ion: 74 Resp: 55
Ion Ratio Lower Upper
74 100
45 0.0 52.6 157.8#

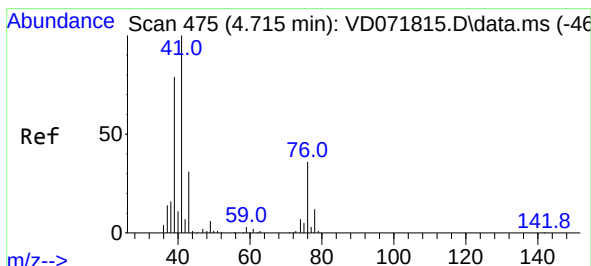
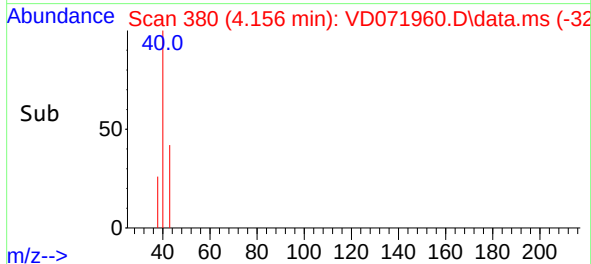
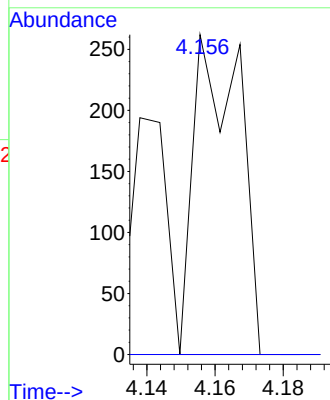
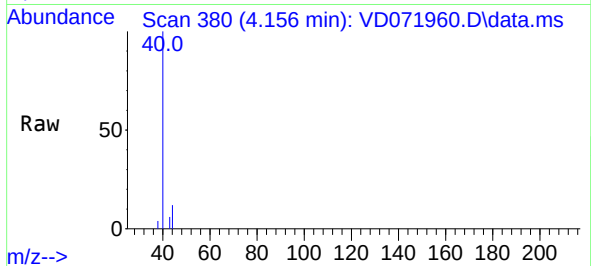




#16
Acetone
Concen: 10.145 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

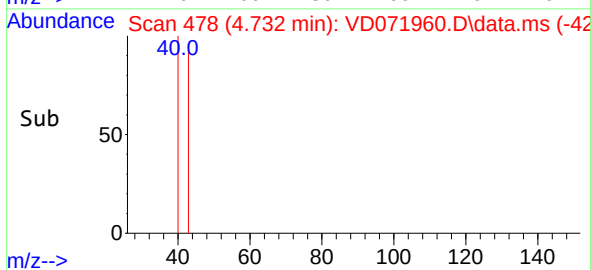
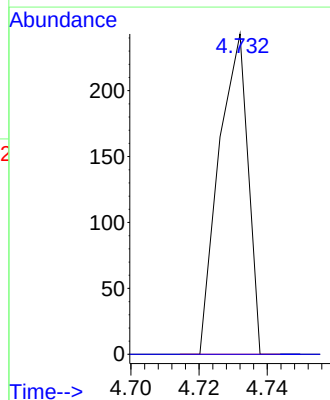
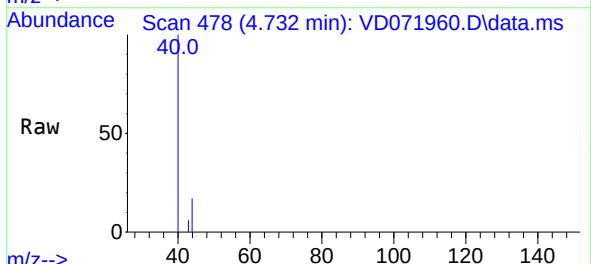
Instrument :
MSVOA_D
ClientSampleId :
TP3-A

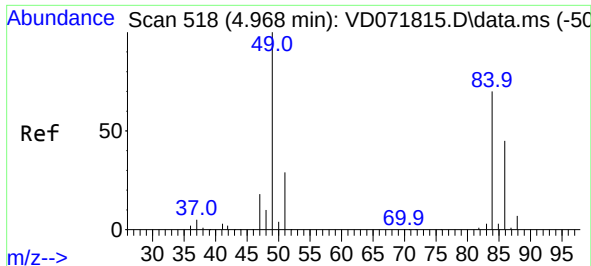
Tgt Ion: 43 Resp: 246
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#18
Methyl Acetate
Concen: 2.747 ug/l
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

Tgt Ion: 43 Resp: 144
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

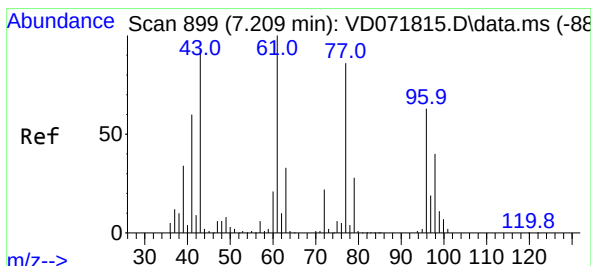
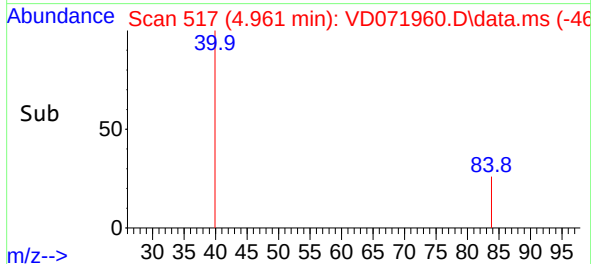
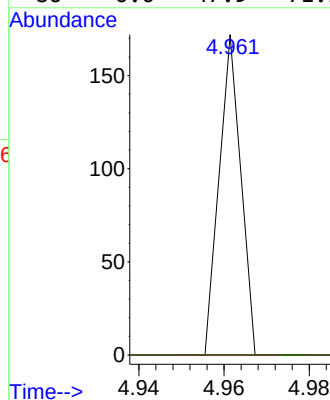
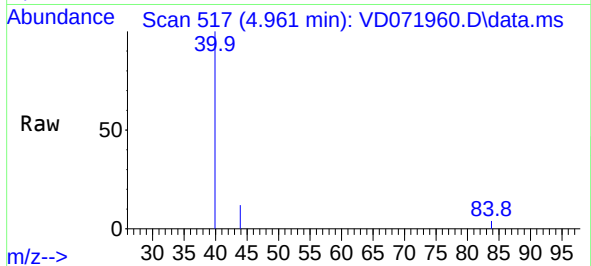




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

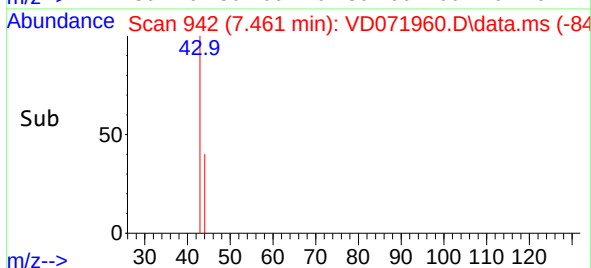
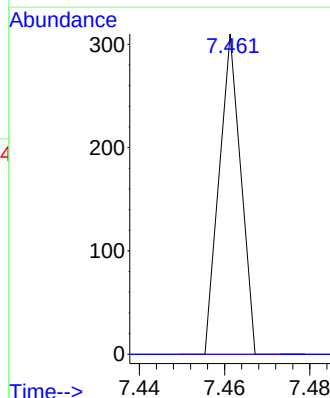
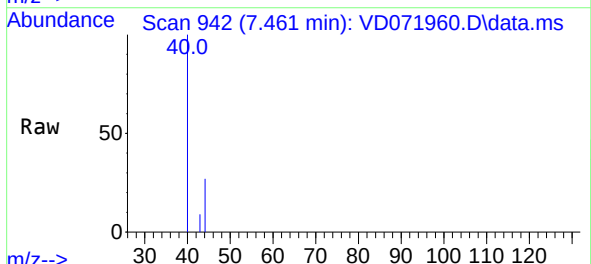
Instrument :
MSVOA_D
ClientSampleId :
TP3-A

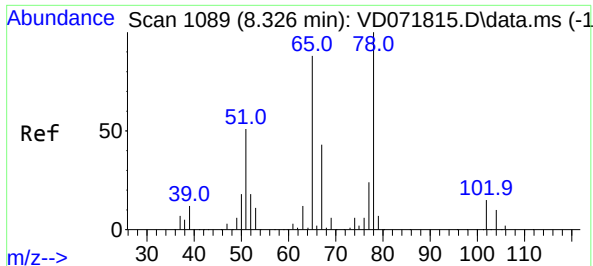
Tgt Ion: 84 Resp: 61
Ion Ratio Lower Upper
84 100
49 0.0 112.8 169.2#
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#



#25
2-Butanone
Concen: 3.856 ug/l
RT: 7.461 min Scan# 942
Delta R.T. 0.247 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

Tgt Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#33

1,2-Dichloroethane-d4

Concen: 65.073 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD071960.D

Acq: 14 Feb 2022 16:41

Instrument :

MSVOA_D

ClientSampleId :

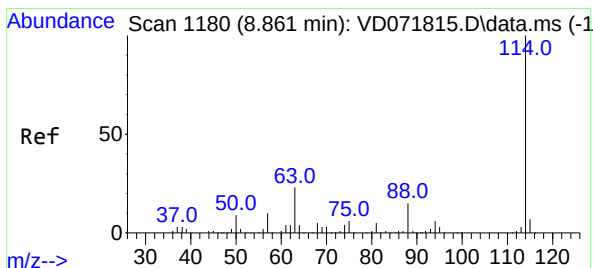
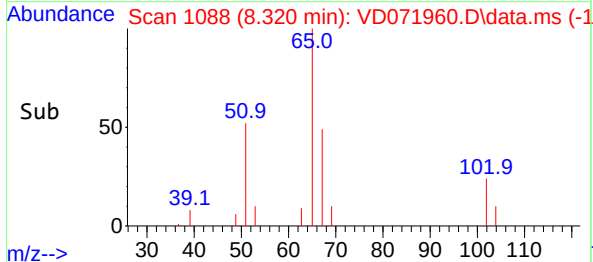
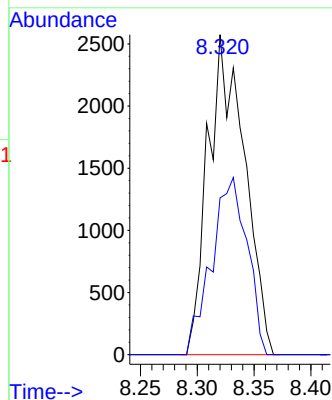
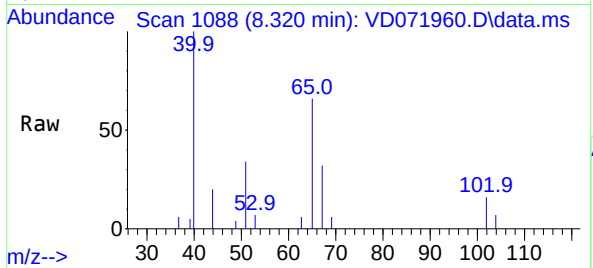
TP3-A

Tgt Ion: 65 Resp: 5764

Ion Ratio Lower Upper

65 100

67 54.0 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: VD071960.D

Acq: 14 Feb 2022 16:41

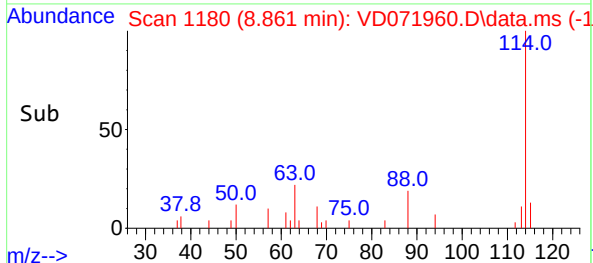
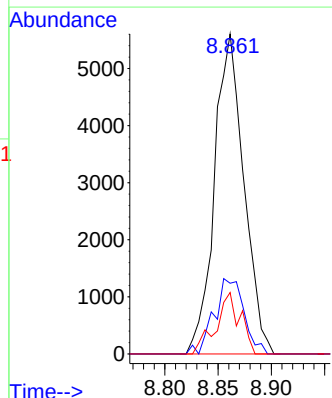
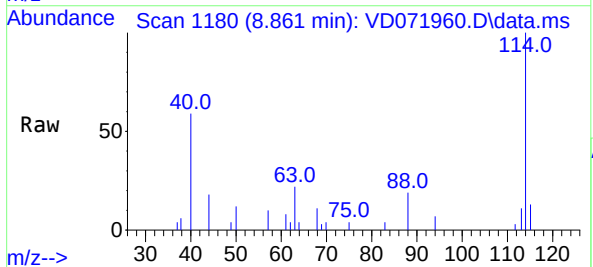
Tgt Ion: 114 Resp: 10771

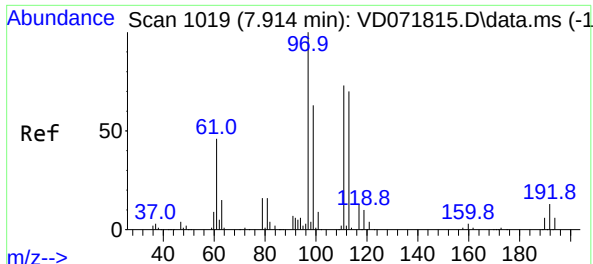
Ion Ratio Lower Upper

114 100

63 22.1 0.0 46.6

88 19.2 0.0 33.2

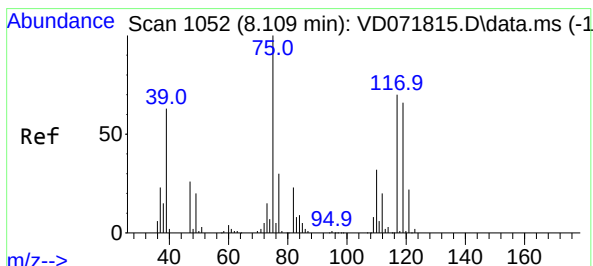
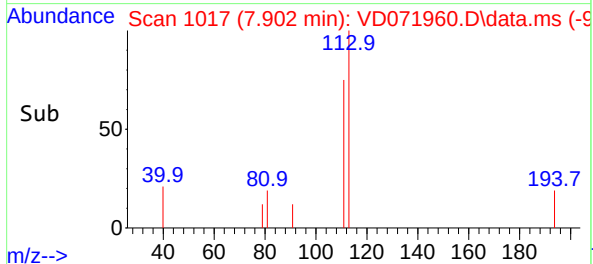
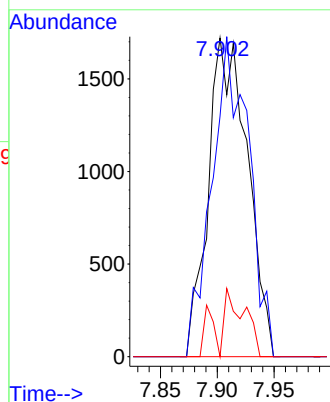
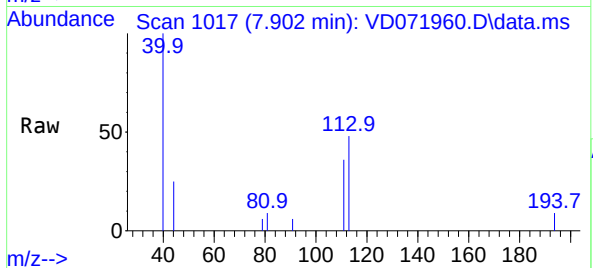




#35
Dibromofluoromethane
Concen: 58.262 ug/l
RT: 7.902 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

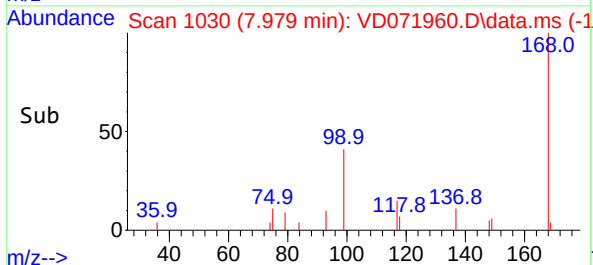
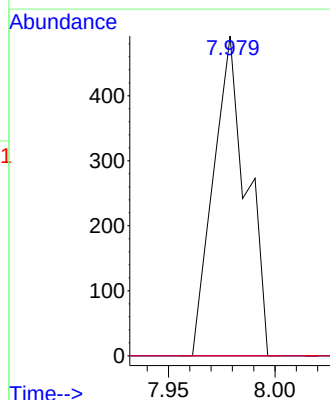
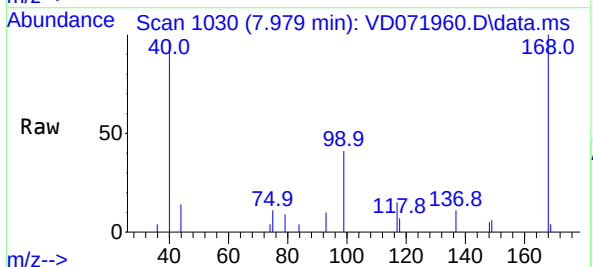
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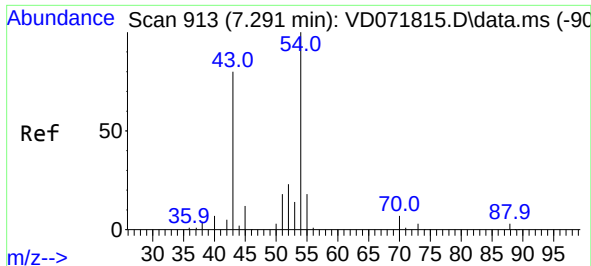
Tgt Ion:113 Resp: 4125
Ion Ratio Lower Upper
113 100
111 94.8 83.8 125.6
192 10.9 14.6 21.8#



#36
1,1-Dichloropropene
Concen: 4.378 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

Tgt Ion: 75 Resp: 532
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#

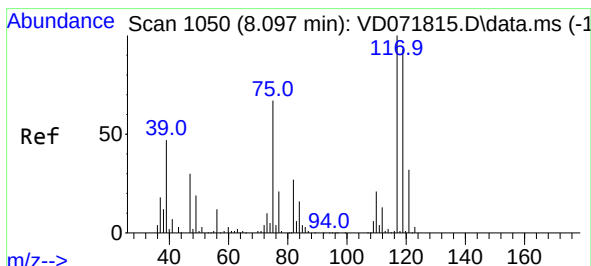
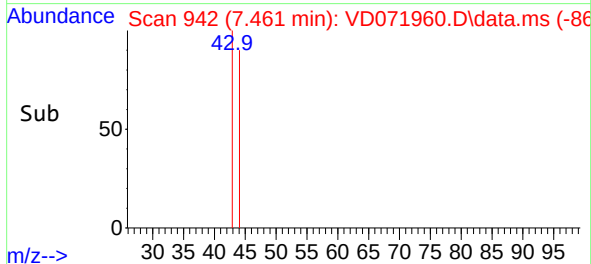
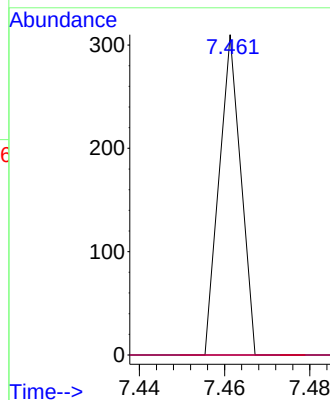
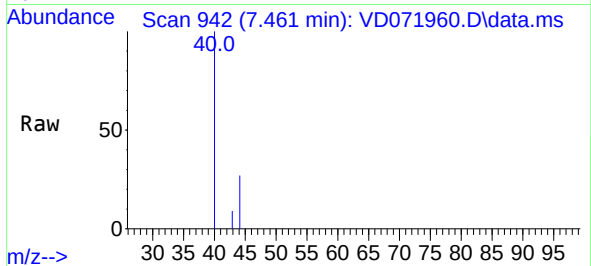




#37
Ethyl Acetate
Concen: 1.929 ug/l
RT: 7.461 min Scan# 941
Delta R.T. 0.165 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

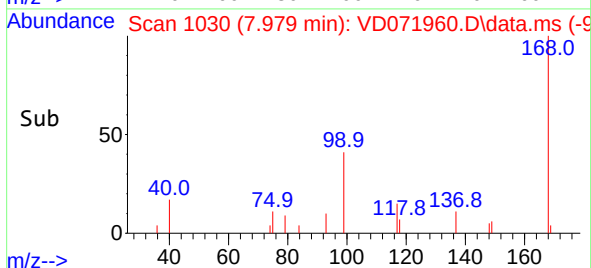
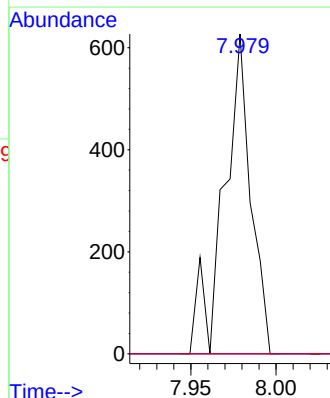
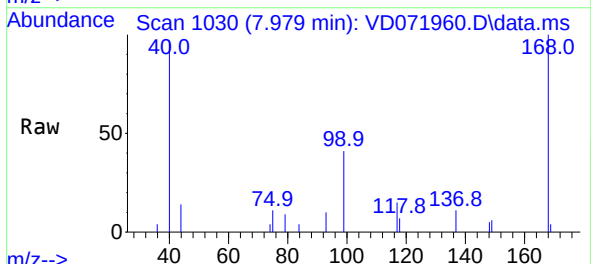
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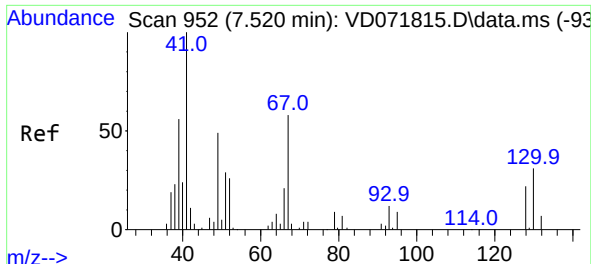
Tgt Ion: 43	Resp:	109
Ion	Ratio	Lower Upper
43	100	
61	0.0	9.8 14.8#
70	0.0	6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.758 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

Tgt Ion: 117	Resp:	692
Ion	Ratio	Lower Upper
117	100	
119	0.0	75.8 113.6#
121	0.0	24.5 36.7#

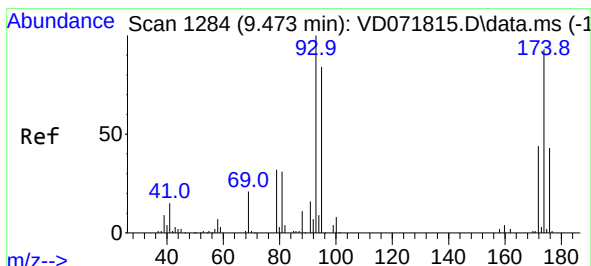
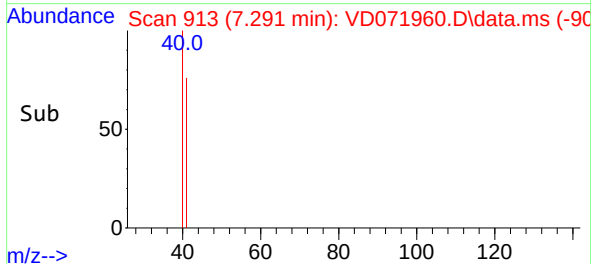
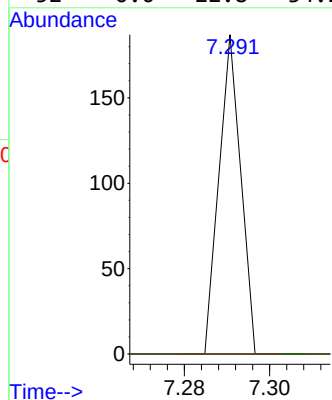
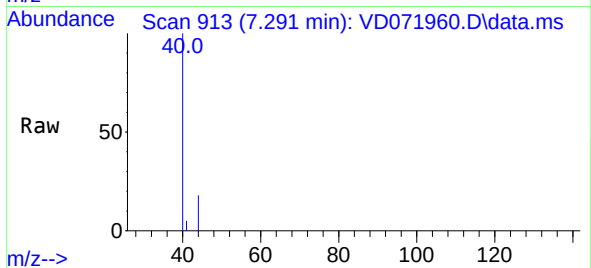




#41
Methacrylonitrile
Concen: 2.065 ug/l
RT: 7.291 min Scan# 91
Delta R.T. -0.230 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

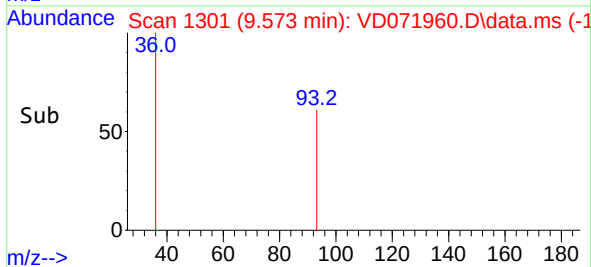
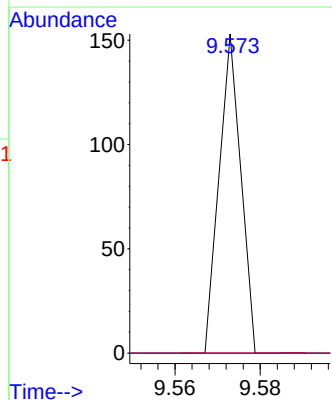
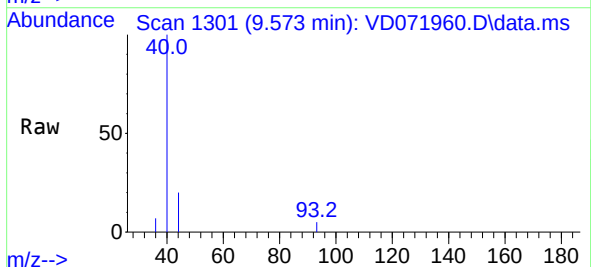
Instrument :
MSVOA_D
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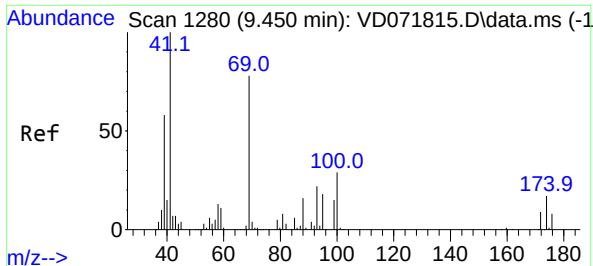
Tgt Ion: 41	Resp: 66
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#46
Dibromomethane
Concen: 1.219 ug/l
RT: 9.573 min Scan# 1301
Delta R.T. 0.100 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

Tgt Ion: 93	Resp: 54
Ion Ratio	Lower Upper
93 100	
95 0.0	66.7 100.1#
174 0.0	71.6 107.4#





#48

Methyl methacrylate

Concen: 1.079 ug/l

RT: 9.408 min Scan# 11

Delta R.T. -0.041 min

Lab File: VD071960.D

Acq: 14 Feb 2022 16:41

Instrument :

MSVOA_D

ClientSampleId :

TP3-A

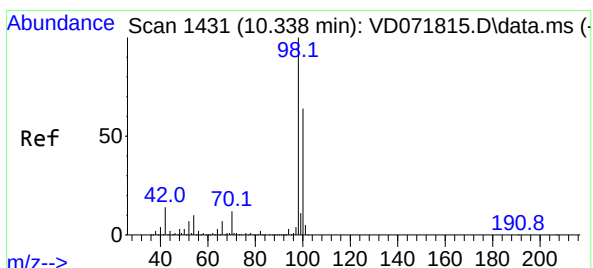
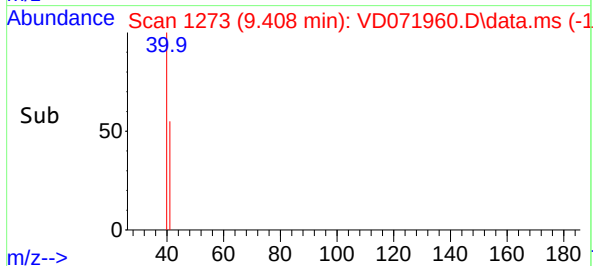
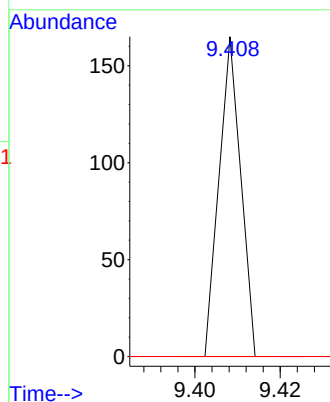
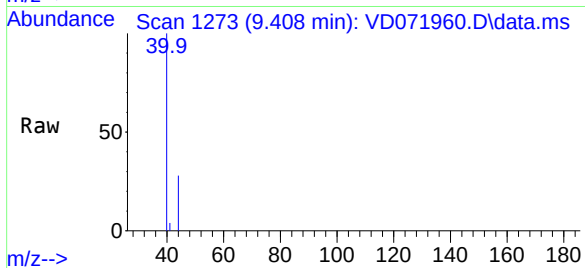
Tgt Ion: 41 Resp: 58

Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 0.0 42.7 64.1#



#50

Toluene-d8

Concen: 48.733 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071960.D

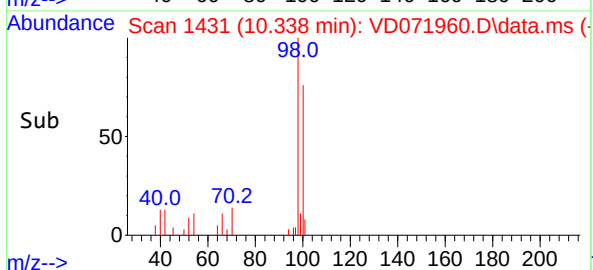
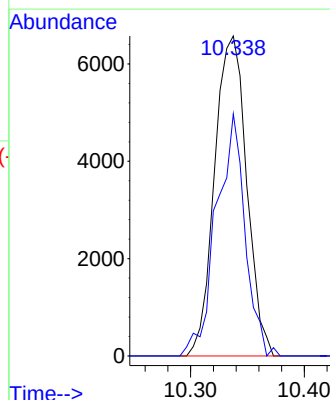
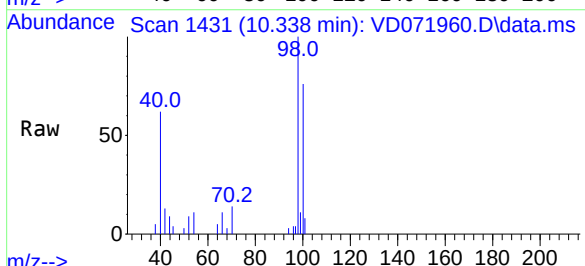
Acq: 14 Feb 2022 16:41

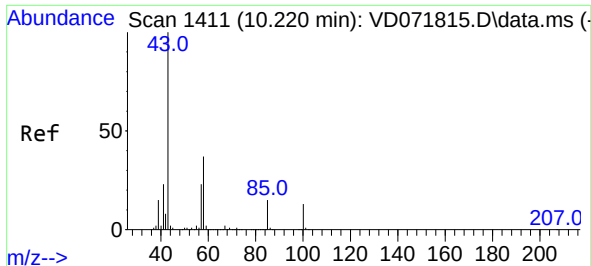
Tgt Ion: 98 Resp: 12886

Ion Ratio Lower Upper

98 100

100 67.8 52.4 78.6

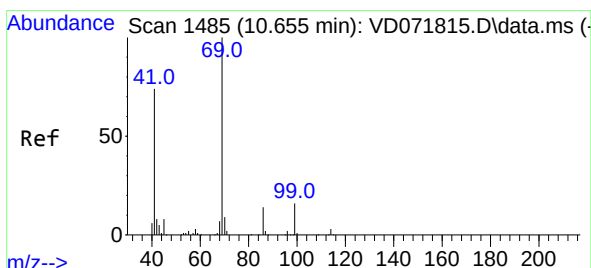
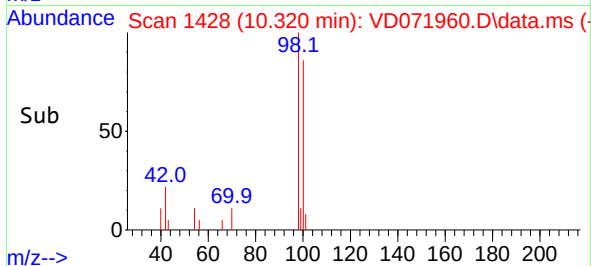
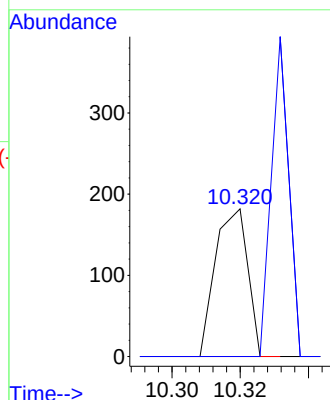
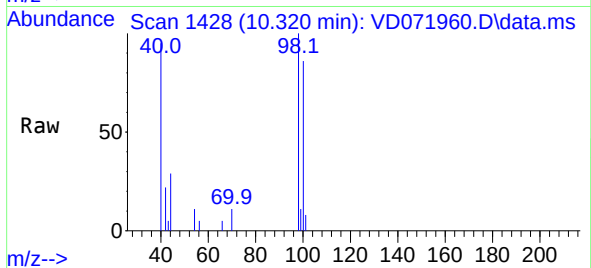




#51
4-Methyl-2-Pentanone
Concen: 2.258 ug/l
RT: 10.320 min Scan# 1411
Delta R.T. 0.094 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

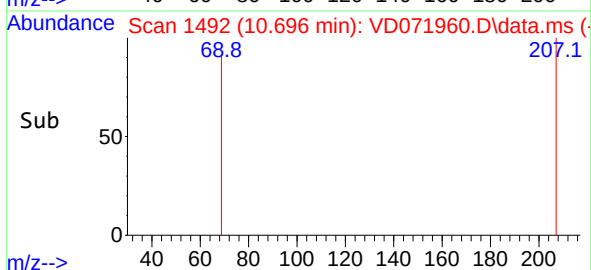
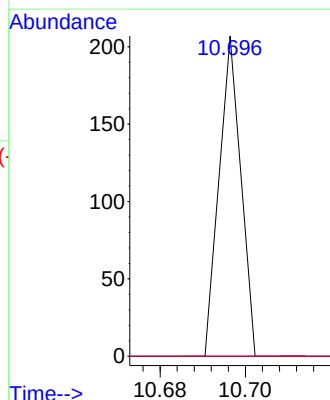
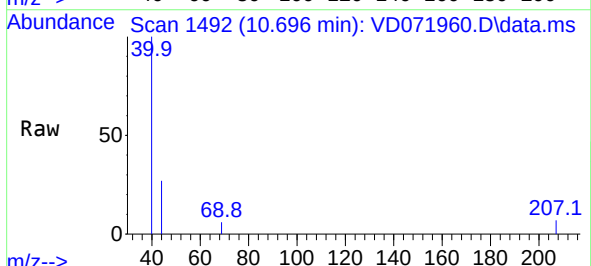
Instrument :
MSVOA_D
ClientSampleId :
TP3-A

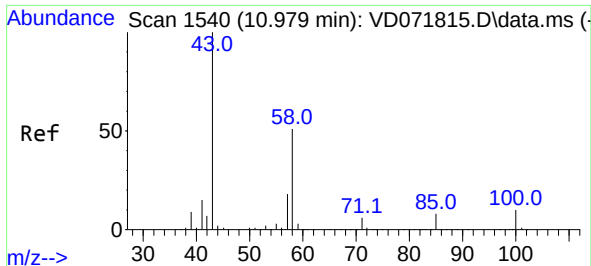
Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
58 115.8 28.6 43.0#



#56
Ethyl methacrylate
Concen: 1.003 ug/l
RT: 10.696 min Scan# 1492
Delta R.T. 0.041 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

Tgt Ion: 69 Resp: 73
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#

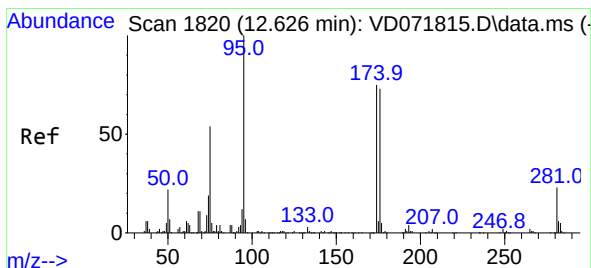
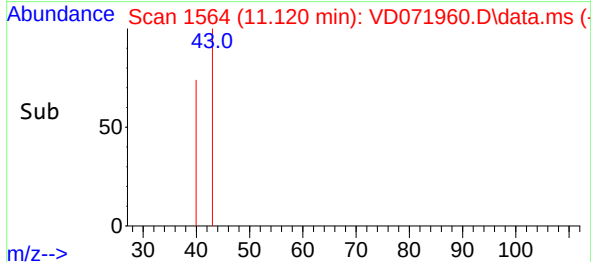
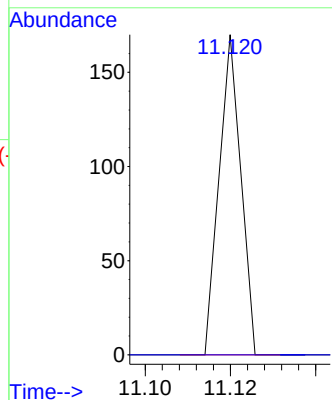
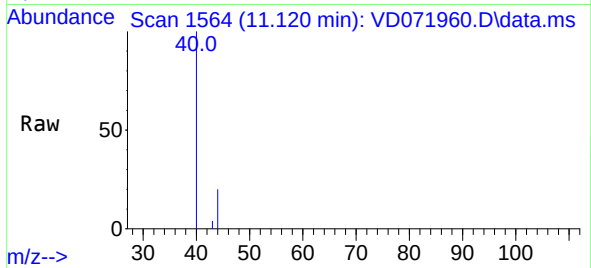




#59
2-Hexanone
Concen: 1.556 ug/l
RT: 11.120 min Scan# 11
Delta R.T. 0.141 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

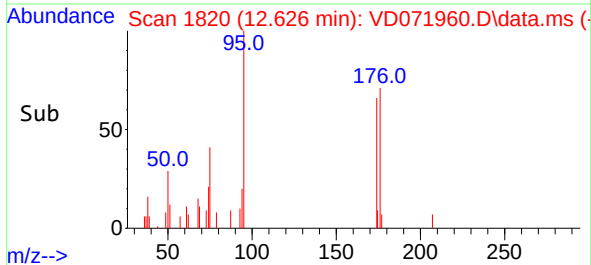
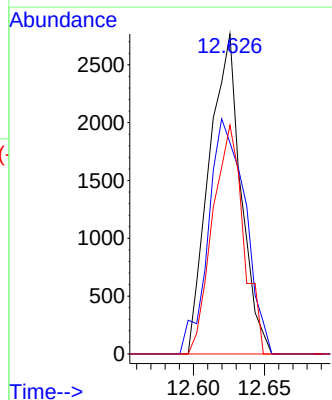
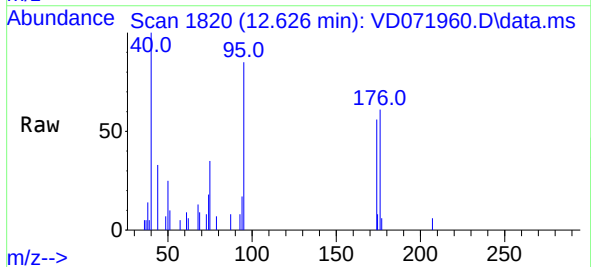
Instrument :
MSVOA_D
ClientSampleId :
TP3-A

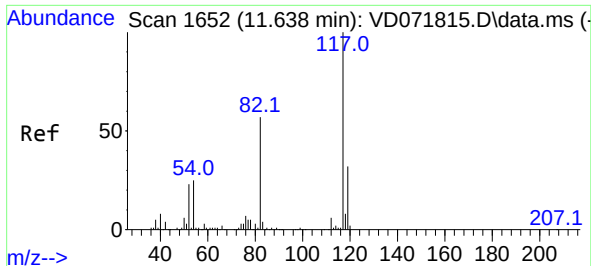
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 46.622 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

Tgt Ion: 95 Resp: 4305
Ion Ratio Lower Upper
95 100
174 85.3 0.0 152.8
176 69.2 0.0 145.4

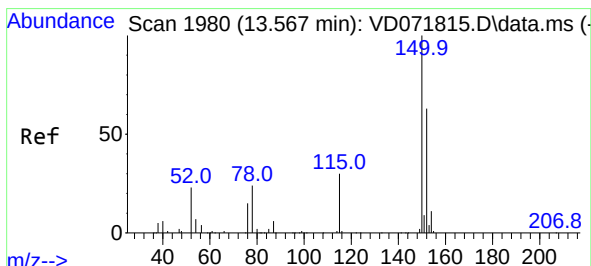
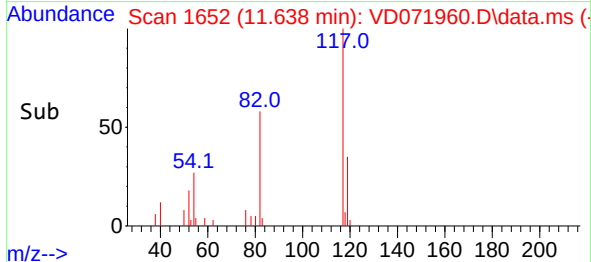
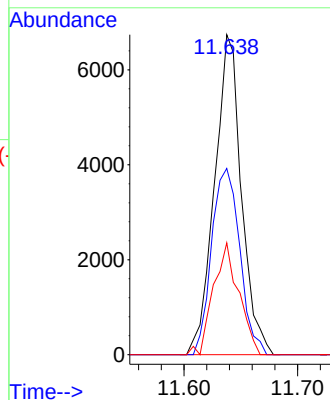
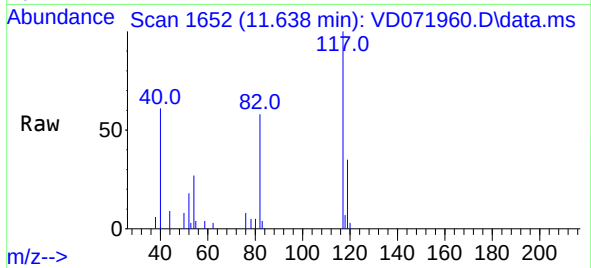




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11079
Delta R.T. -0.000 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

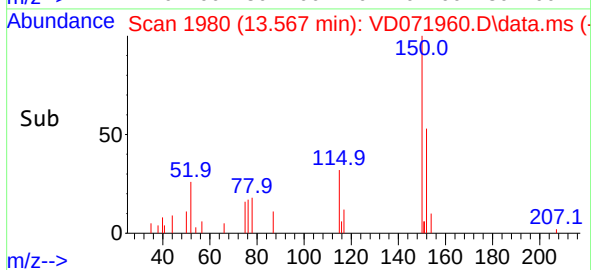
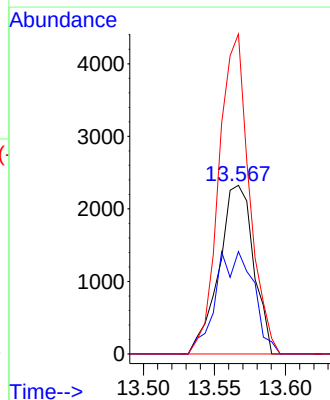
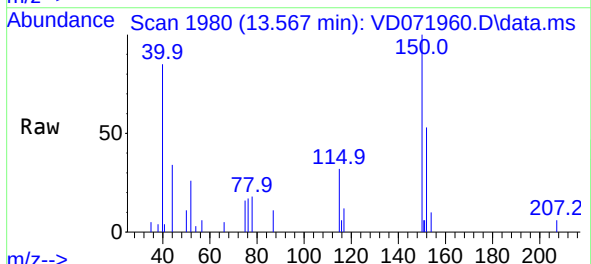
Instrument :
MSVOA_D
ClientSampleId :
TP3-A

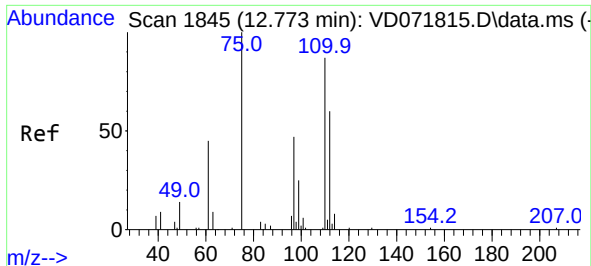
Tgt Ion:117	Resp:	11079
Ion	Ratio	Lower Upper
117	100	
82	58.2	45.3 67.9
119	34.9	26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

Tgt Ion:152	Resp:	3935
Ion	Ratio	Lower Upper
152	100	
115	66.9	31.3 93.8
150	166.9	0.0 348.6

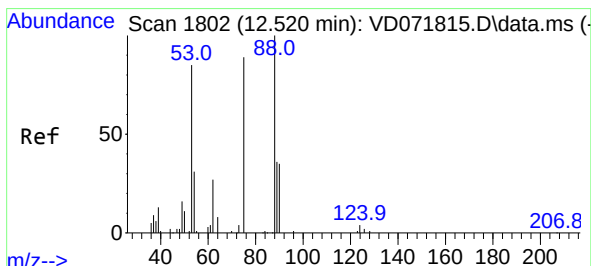
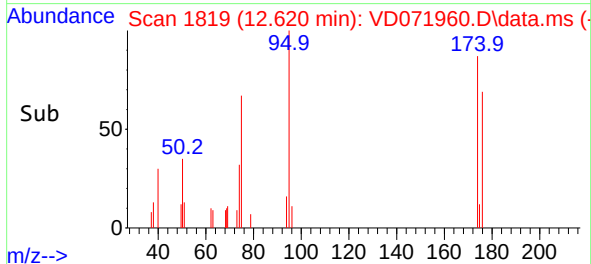
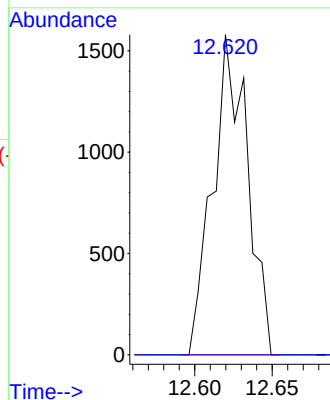
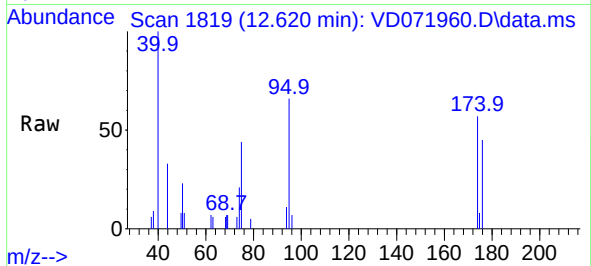




#76
1,2,3-Trichloropropane
Concen: 59.127 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

Instrument :
MSVOA_D
ClientSampleId :
TP3-A

Tgt Ion: 75 Resp: 2452
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 145.380 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071960.D
Acq: 14 Feb 2022 16:41

Tgt Ion: 75 Resp: 2452
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

