

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111524\
 Data File : VD080034.D
 Acq On : 15 Nov 2024 19:28
 Operator : RP/MD
 Sample : P4833-03
 Misc : 2.88G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 15 22:26:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 2024
 Response via : Initial Calibration

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

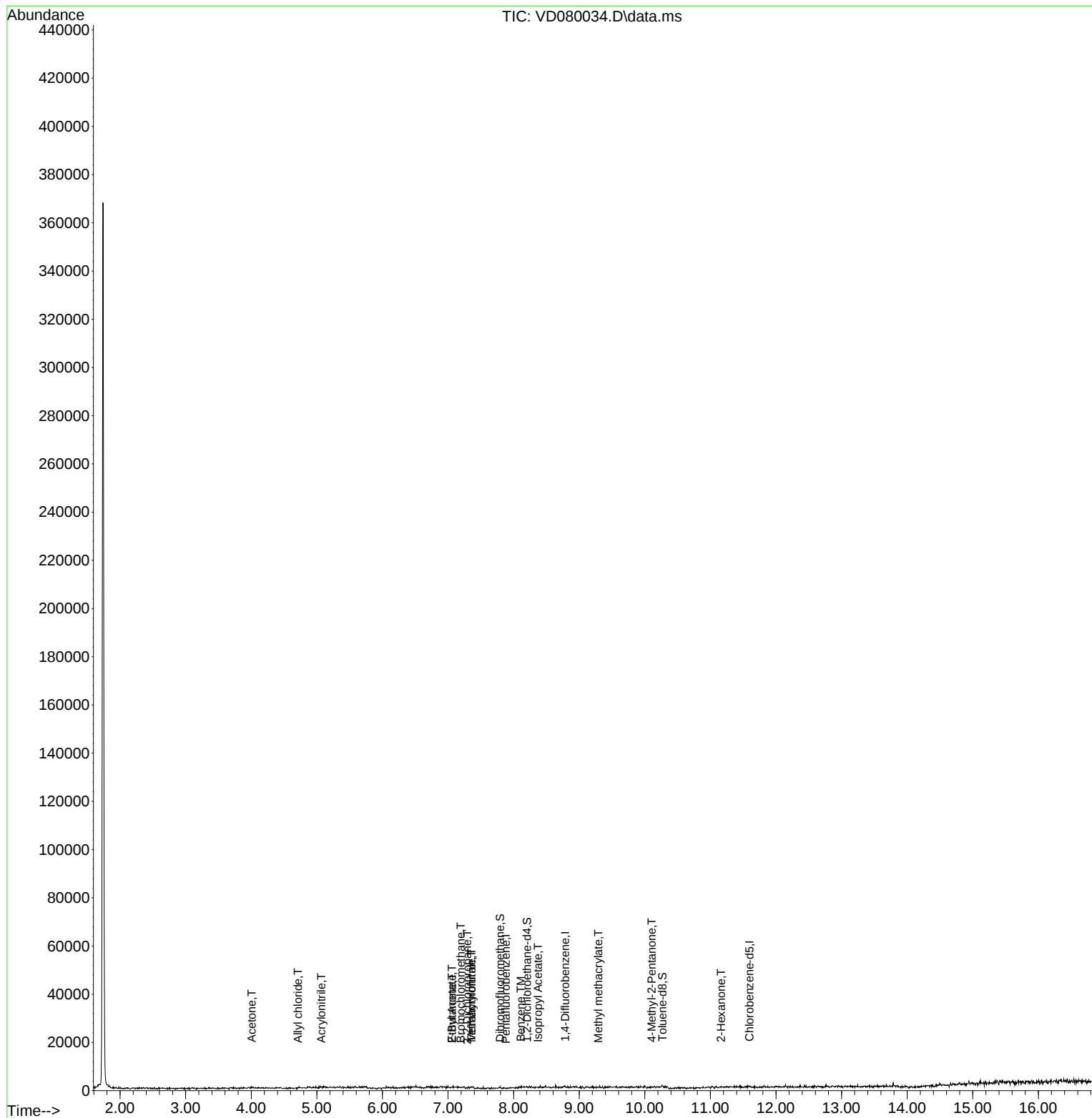
Internal Standards						
1) Pentafluorobenzene	7.881	168	58	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.787	114	404	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.593	117	276	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.52
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.204	65	57	95.451	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 190.900%#	
35) Dibromofluoromethane	7.793	113	225	83.682	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 167.360%#	
50) Toluene-d8	10.269	98	488	48.155	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.320%	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	30 - 143	Recovery	= 0.000%#	
Target Compounds						
						Qvalue
14) Allyl chloride	4.711	41	132	154.946	ug/l	# 24
15) Acrylonitrile	5.069	53	53	425.765	ug/l	# 17
16) Acetone	4.005	43	66	509.384	ug/l	# 43
25) 2-Butanone	7.058	43	71	419.333	ug/l	# 47
26) 2,2-Dichloropropane	7.293	77	55	55.147	ug/l	# 51
28) Bromochloromethane	7.193	49	54	105.758	ug/l	# 10
29) Tetrahydrofuran	7.357	42	55	593.013	ug/l	# 32
37) Ethyl Acetate	7.058	43	71	44.928	ug/l	# 68
40) Benzene	8.110	78	62	5.410	ug/l	# 50
41) Methacrylonitrile	7.357	41	58	68.009	ug/l	# 19
43) Isopropyl Acetate	8.369	43	62	21.643	ug/l	# 49
48) Methyl methacrylate	9.293	41	61	44.604	ug/l	# 5
51) 4-Methyl-2-Pentanone	10.104	43	98	67.429	ug/l	# 34
59) 2-Hexanone	11.163	43	82	76.704	ug/l	# 24

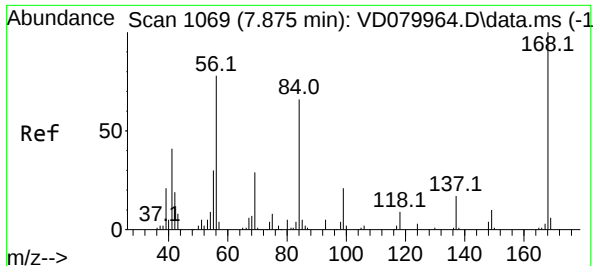
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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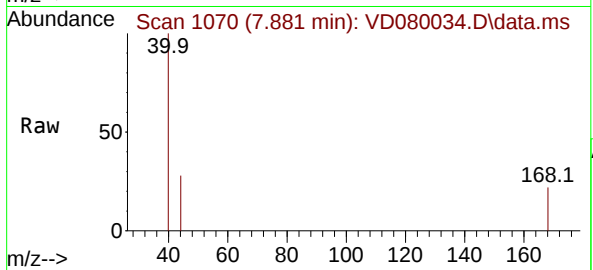
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



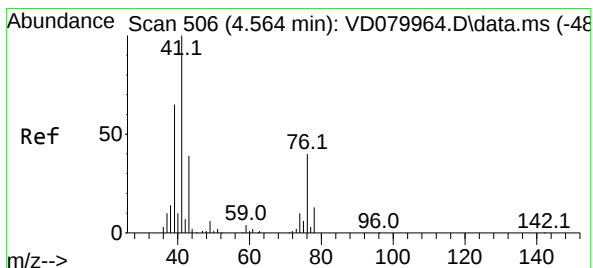
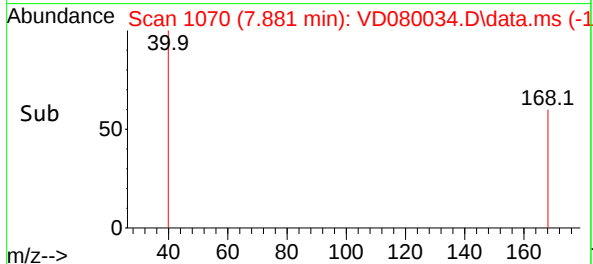
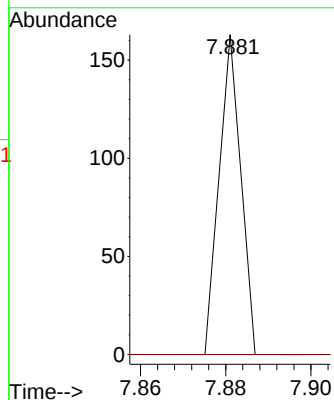


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

Instrument :
MSVOA_D
ClientSampleId :

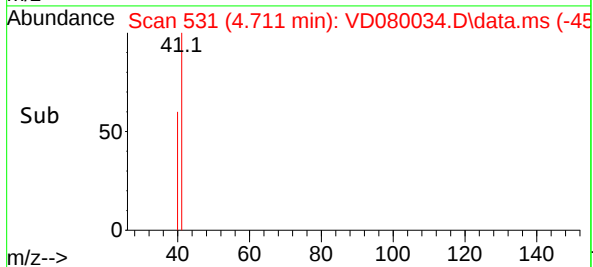
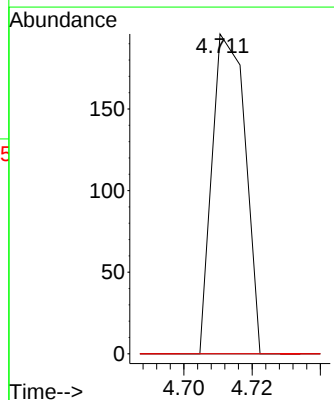
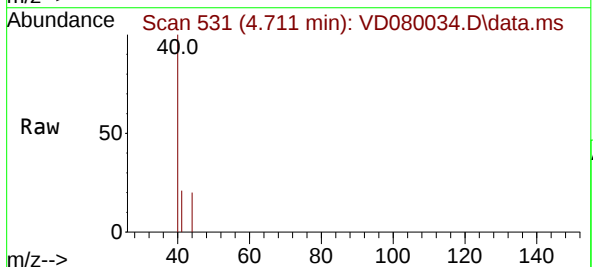


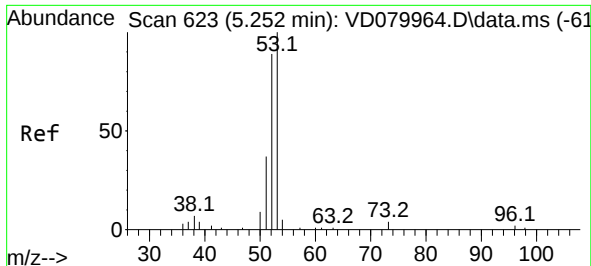
Tgt Ion:168 Resp: 58
Ion Ratio Lower Upper
168 100
99 0.0 46.0 69.0#



#14
Allyl chloride
Concen: 154.946 ug/l
RT: 4.711 min Scan# 531
Delta R.T. 0.147 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

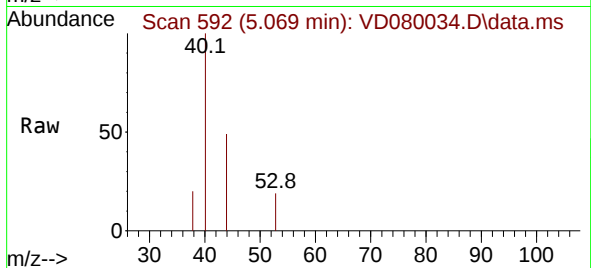
Tgt Ion: 41 Resp: 132
Ion Ratio Lower Upper
41 100
39 0.0 53.3 79.9#
76 0.0 32.0 48.0#



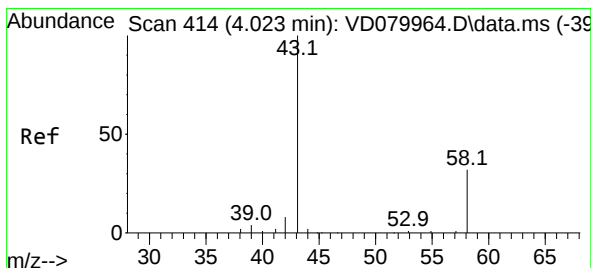
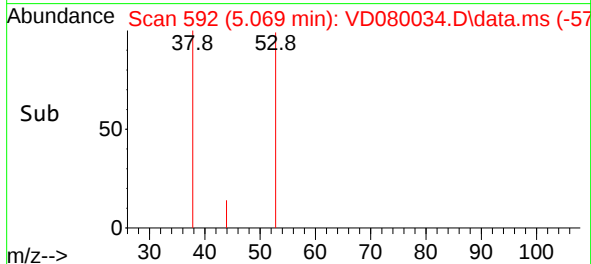
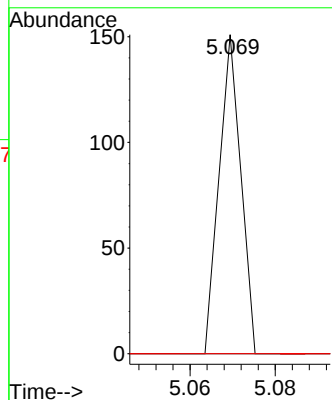


#15
Acrylonitrile
Concen: 425.765 ug/l
RT: 5.069 min Scan# 51
Delta R.T. -0.183 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

Instrument :
MSVOA_D
ClientSampleId :

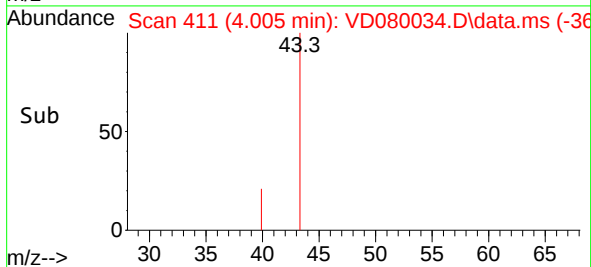
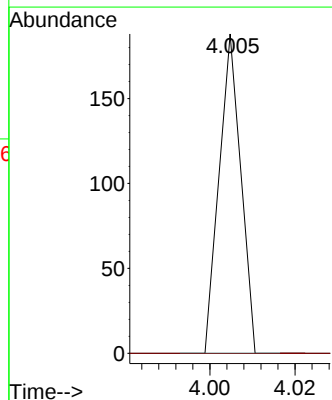
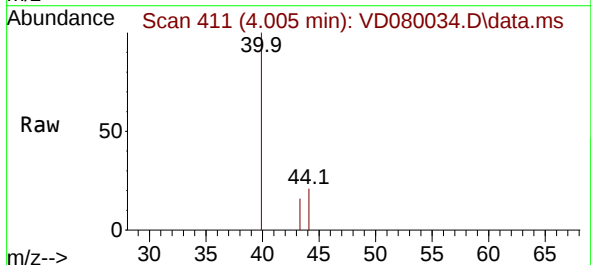


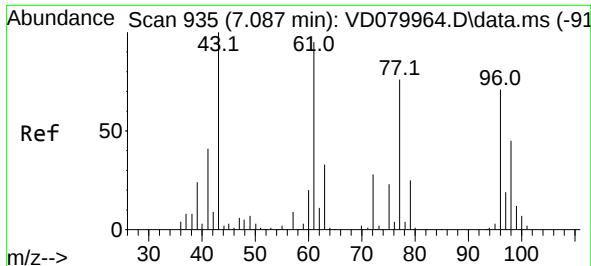
Tgt Ion: 53 Resp: 53
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.4#
51 0.0 30.3 45.5#



#16
Acetone
Concen: 509.384 ug/l
RT: 4.005 min Scan# 411
Delta R.T. -0.018 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

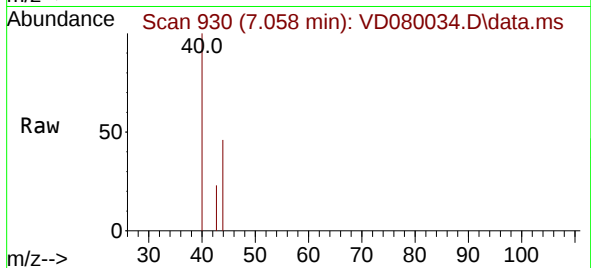
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.2#



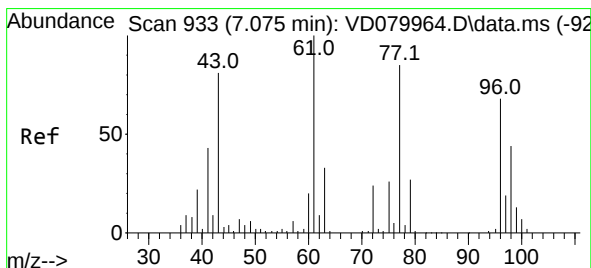
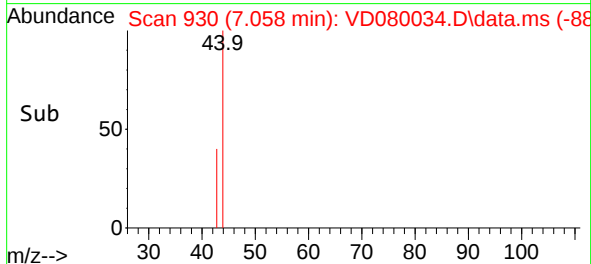
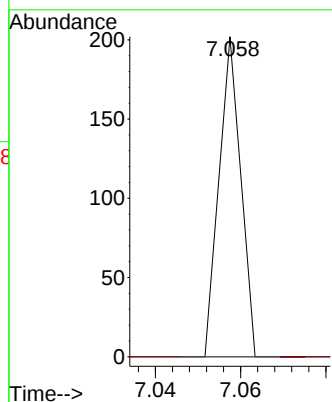


#25
2-Butanone
Concen: 419.333 ug/l
RT: 7.058 min Scan# 91
Delta R.T. -0.029 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

Instrument :
MSVOA_D
ClientSampleId :

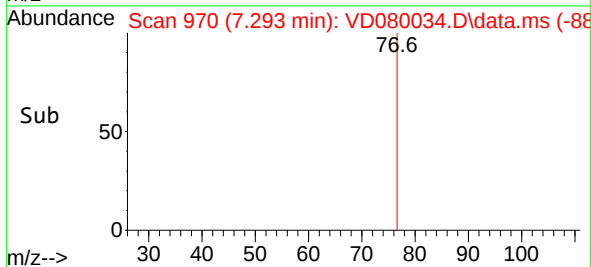
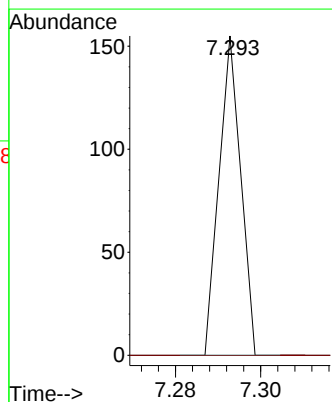
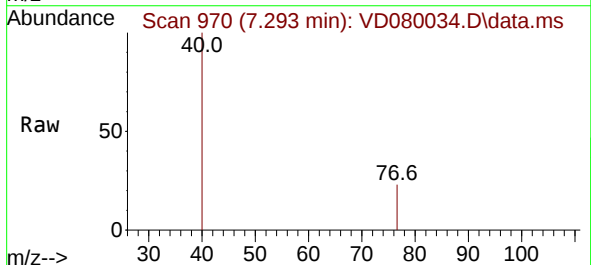


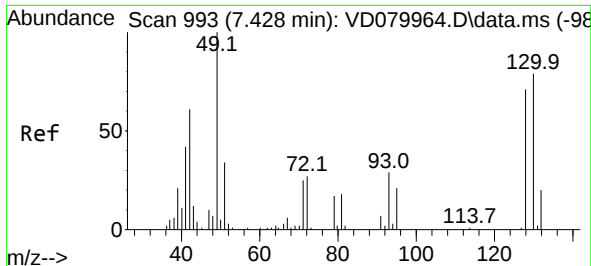
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
72 0.0 22.3 33.5#



#26
2,2-Dichloropropane
Concen: 55.147 ug/l
RT: 7.293 min Scan# 970
Delta R.T. 0.218 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

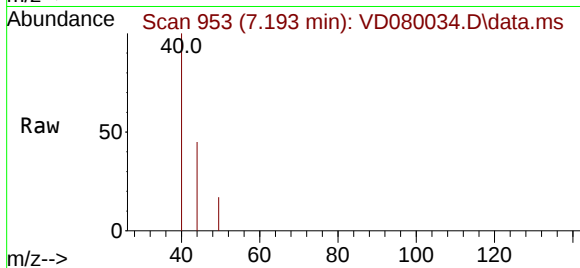
Tgt Ion: 77 Resp: 55
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.9#



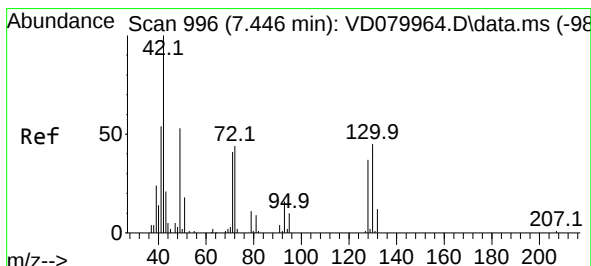
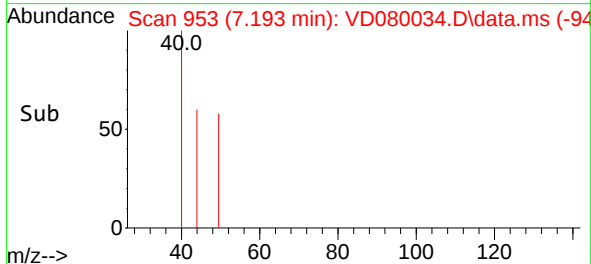
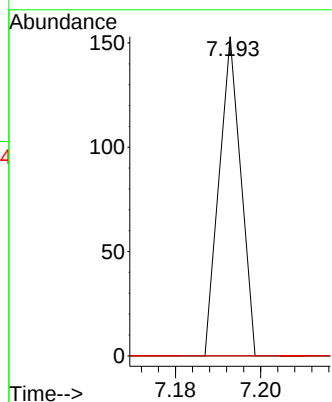


#28
Bromochloromethane
Concen: 105.758 ug/l
RT: 7.193 min Scan# 91
Delta R.T. -0.235 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

Instrument :
MSVOA_D
ClientSampleId :

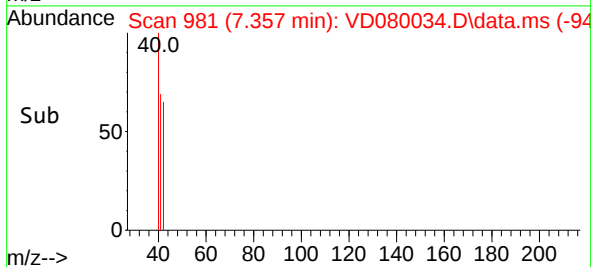
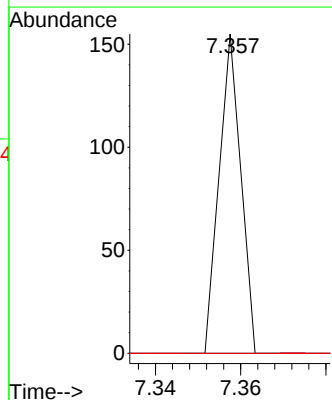
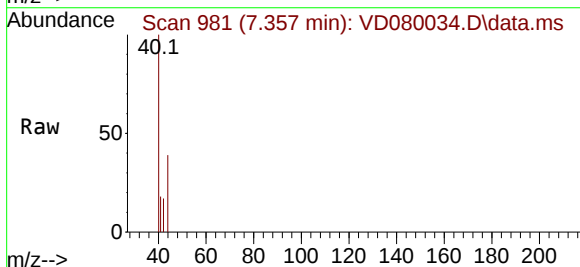


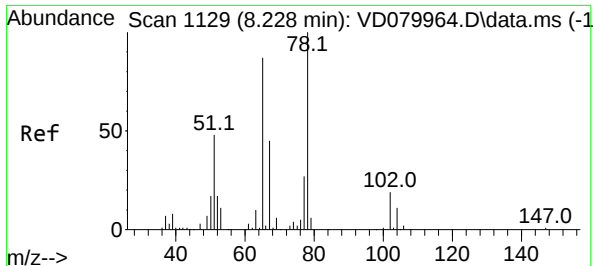
Tgt Ion: 49 Resp: 54
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 64.6 97.0#



#29
Tetrahydrofuran
Concen: 593.013 ug/l
RT: 7.357 min Scan# 981
Delta R.T. -0.088 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

Tgt Ion: 42 Resp: 55
Ion Ratio Lower Upper
42 100
72 0.0 36.7 55.1#
71 0.0 34.4 51.6#





#33

1,2-Dichloroethane-d4

Concen: 95.451 ug/l

RT: 8.204 min Scan# 1125

Delta R.T. -0.024 min

Lab File: VD080034.D

Acq: 15 Nov 2024 19:28

Instrument :

MSVOA_D

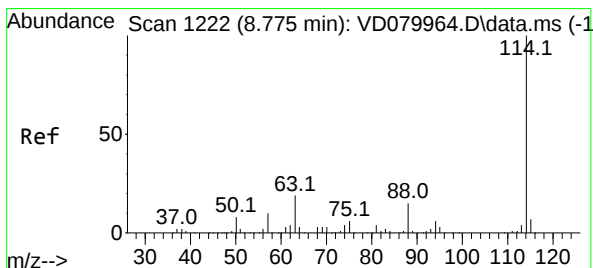
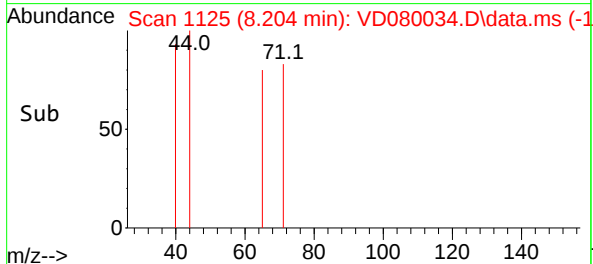
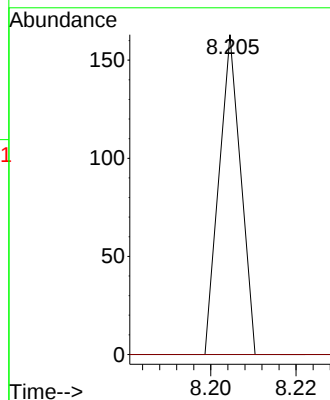
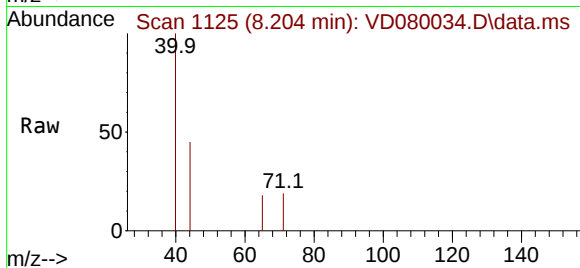
ClientSampleId :

Tgt Ion: 65 Resp: 57

Ion Ratio Lower Upper

65 100

67 0.0 0.0 109.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.787 min Scan# 1224

Delta R.T. 0.012 min

Lab File: VD080034.D

Acq: 15 Nov 2024 19:28

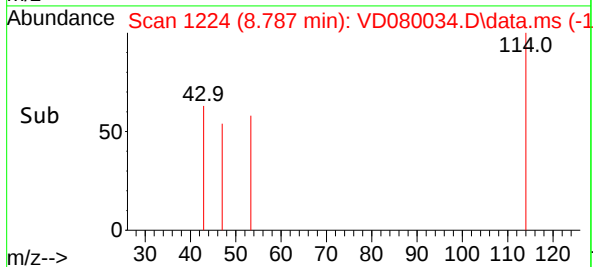
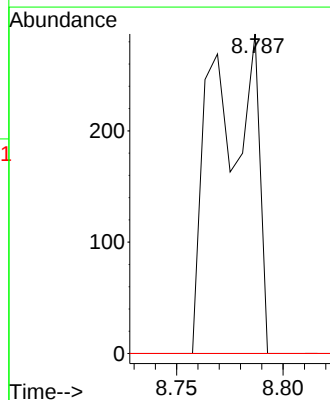
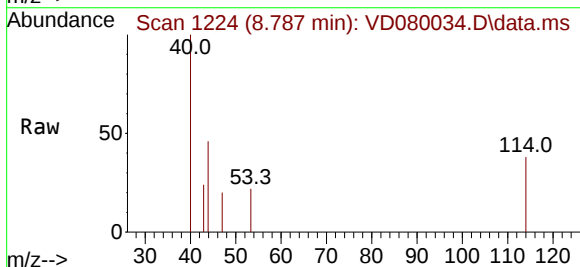
Tgt Ion: 114 Resp: 404

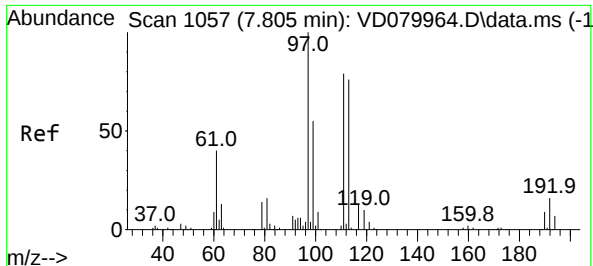
Ion Ratio Lower Upper

114 100

63 0.0 0.0 38.8

88 0.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 83.682 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.012 min

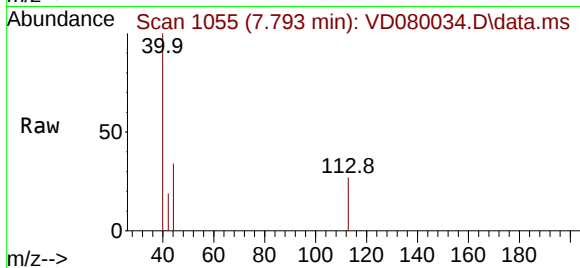
Lab File: VD080034.D

Acq: 15 Nov 2024 19:28

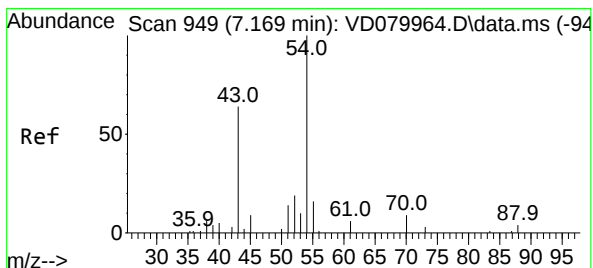
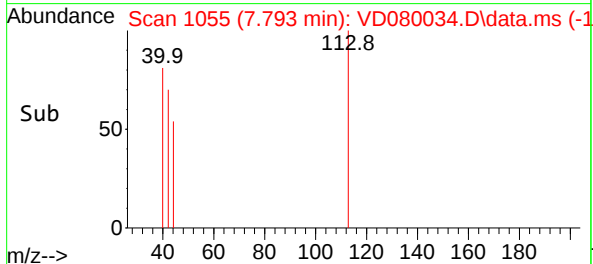
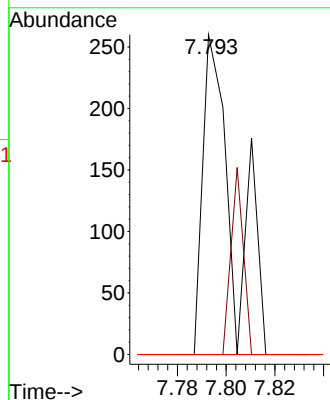
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:113	Resp:	225
Ion	Ratio	Lower Upper
113	100	
111	24.0	82.5 123.7#
192	0.0	16.6 25.0#



#37

Ethyl Acetate

Concen: 44.928 ug/l

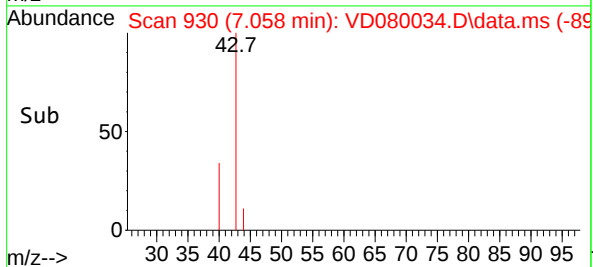
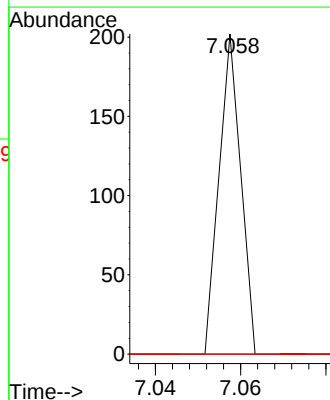
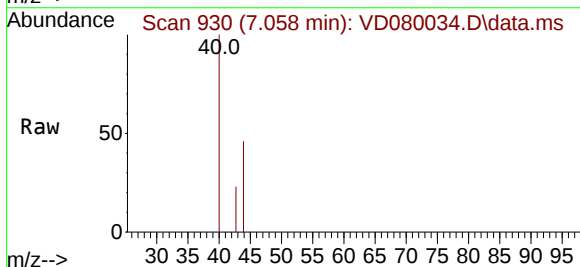
RT: 7.058 min Scan# 930

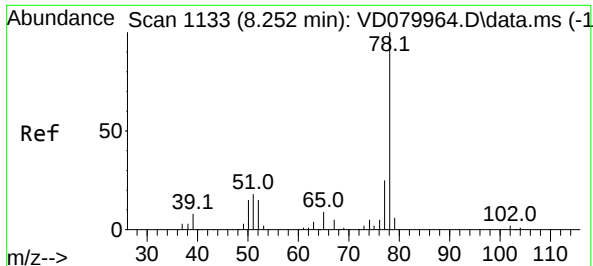
Delta R.T. -0.111 min

Lab File: VD080034.D

Acq: 15 Nov 2024 19:28

Tgt Ion: 43	Resp:	71
Ion	Ratio	Lower Upper
43	100	
61	0.0	11.0 16.4#
70	0.0	9.4 14.2#

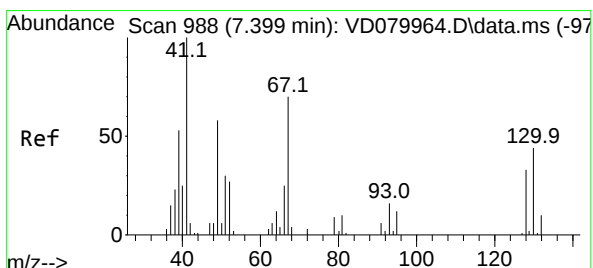
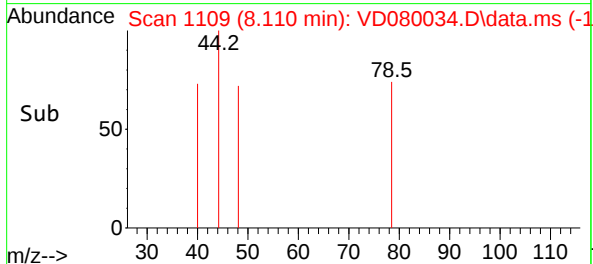
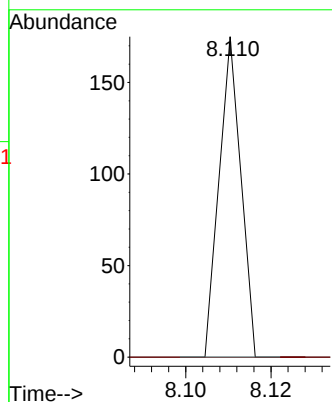
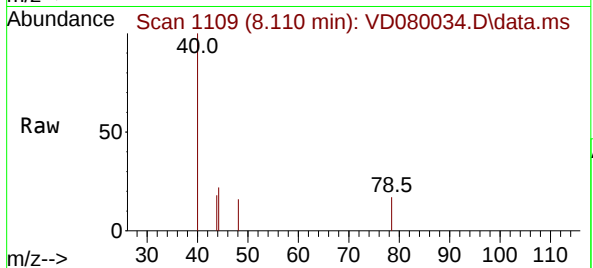




#40
Benzene
Concen: 5.410 ug/l
RT: 8.110 min Scan# 1133
Delta R.T. -0.142 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

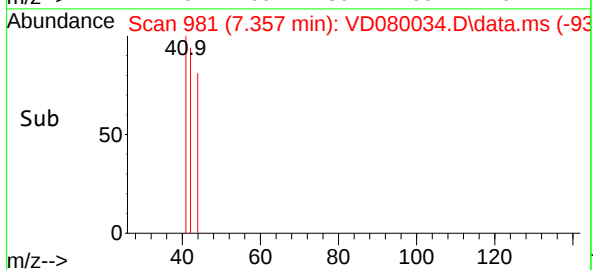
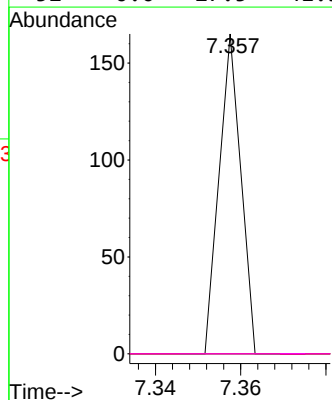
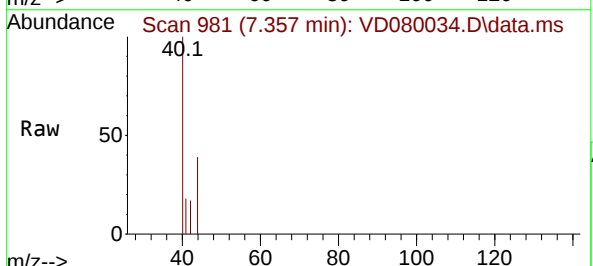
Instrument :
MSVOA_D
ClientSampleId :

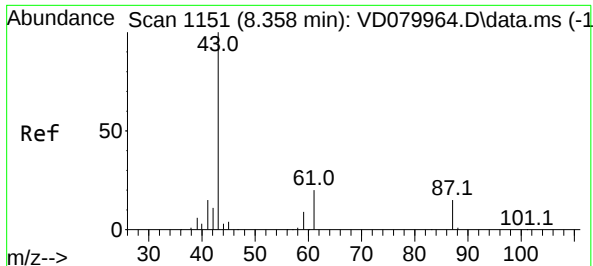
Tgt Ion: 78 Resp: 62
Ion Ratio Lower Upper
78 100
77 0.0 20.2 30.4#



#41
Methacrylonitrile
Concen: 68.009 ug/l
RT: 7.357 min Scan# 981
Delta R.T. -0.042 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
39 0.0 47.8 71.8#
67 0.0 64.9 97.3#
52 0.0 27.5 41.3#





#43

Isopropyl Acetate

Concen: 21.643 ug/l

RT: 8.369 min Scan# 1151

Delta R.T. 0.011 min

Lab File: VD080034.D

Acq: 15 Nov 2024 19:28

Instrument :

MSVOA_D

ClientSampleId :

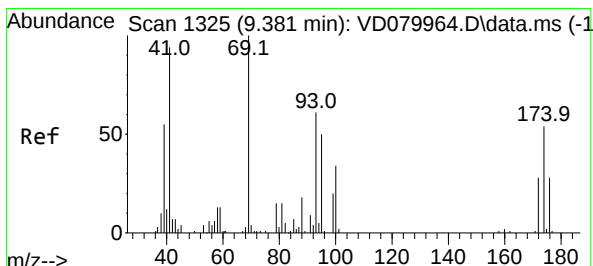
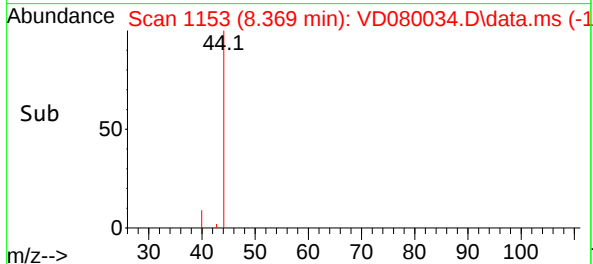
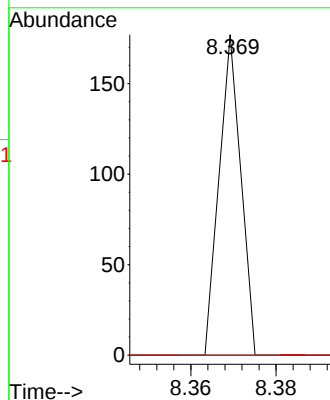
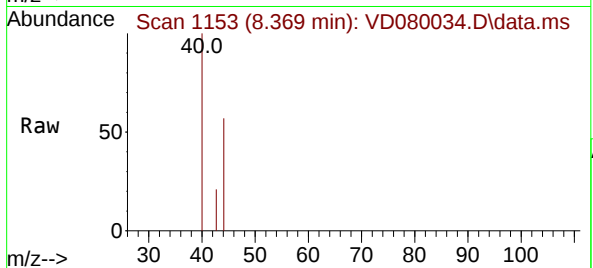
Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

43 100

61 0.0 26.2 39.2#

87 0.0 11.8 17.8#



#48

Methyl methacrylate

Concen: 44.604 ug/l

RT: 9.293 min Scan# 1310

Delta R.T. -0.088 min

Lab File: VD080034.D

Acq: 15 Nov 2024 19:28

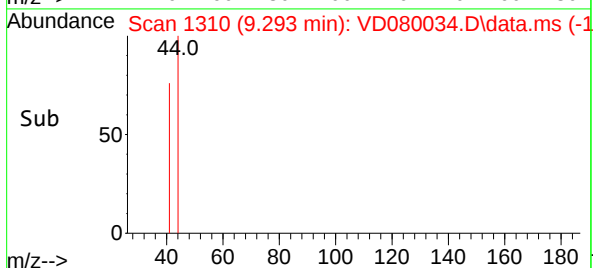
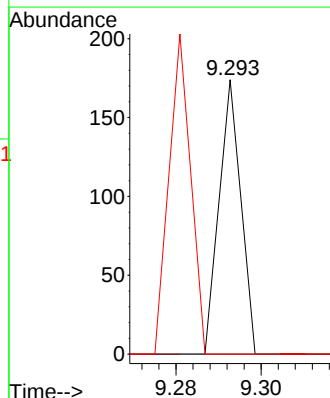
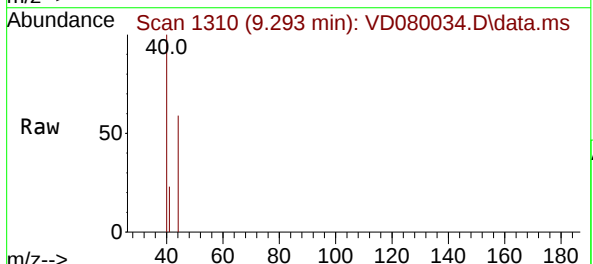
Tgt Ion: 41 Resp: 61

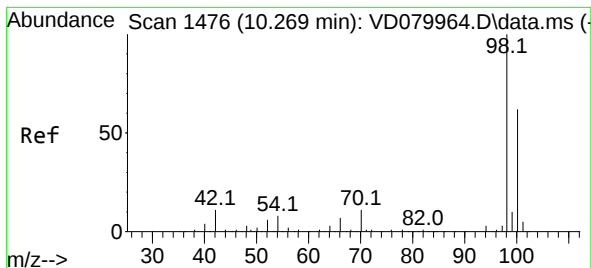
Ion Ratio Lower Upper

41 100

69 0.0 74.0 111.0#

39 118.0 41.9 62.9#

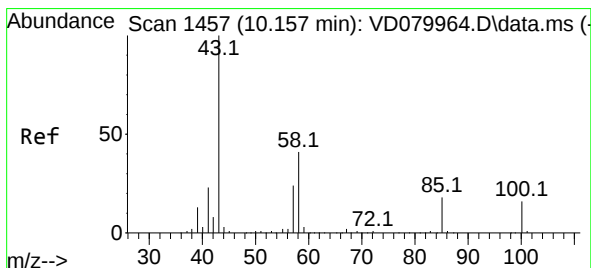
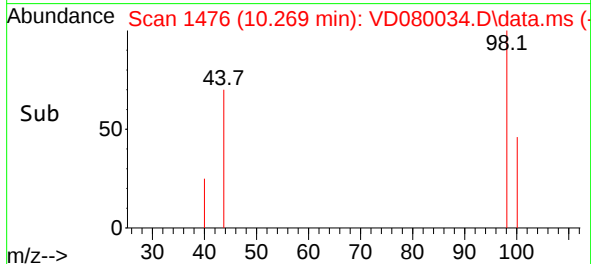
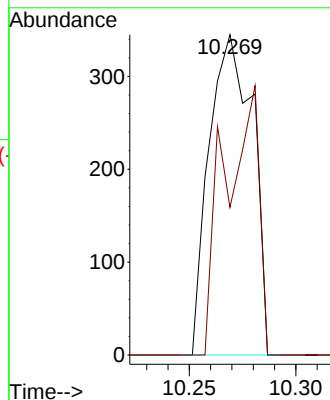
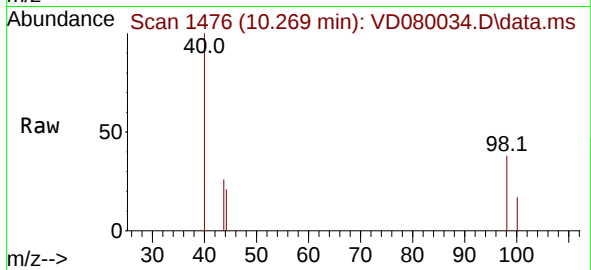




#50
Toluene-d8
Concen: 48.155 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

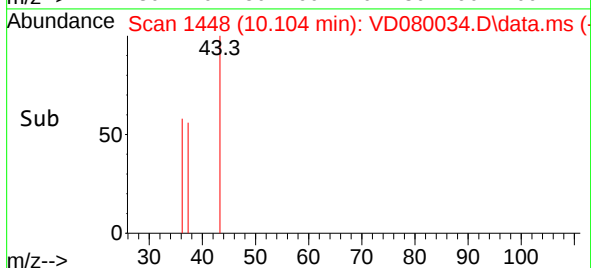
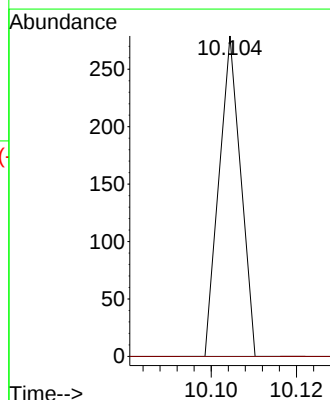
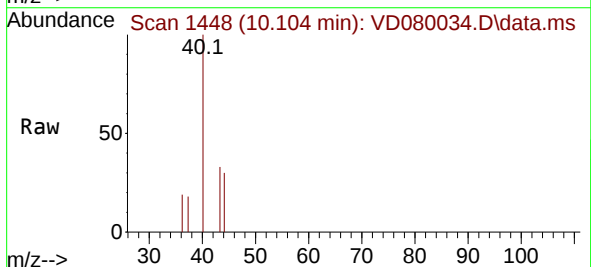
Instrument :
MSVOA_D
ClientSampleId :

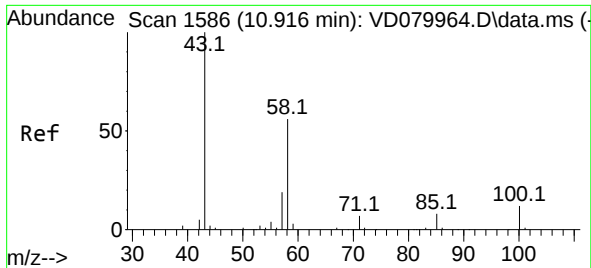
Tgt Ion: 98 Resp: 488
Ion Ratio Lower Upper
98 100
100 66.2 50.2 75.4



#51
4-Methyl-2-Pentanone
Concen: 67.429 ug/l
RT: 10.104 min Scan# 1448
Delta R.T. -0.053 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
58 0.0 32.8 49.2#

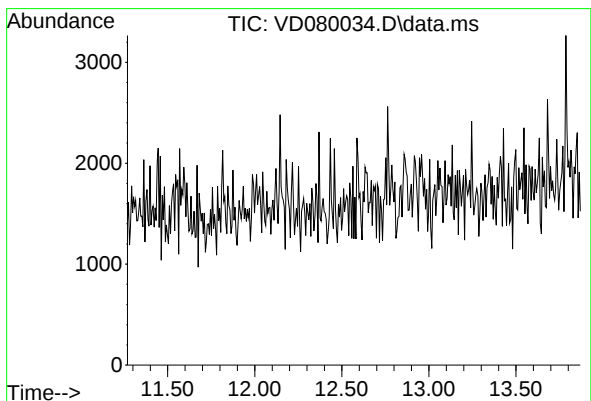
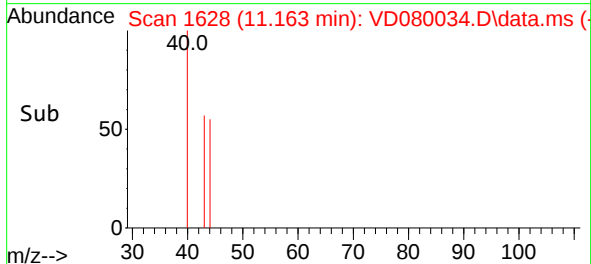
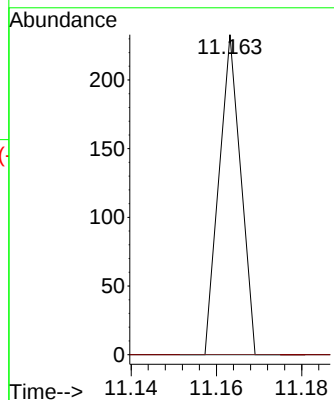
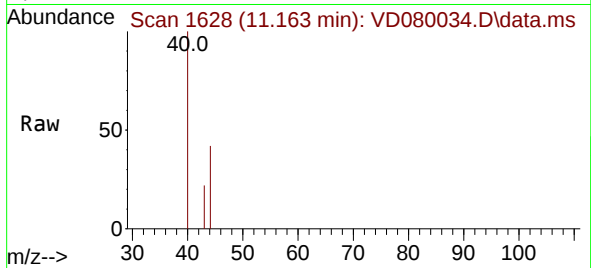




#59
2-Hexanone
Concen: 76.704 ug/l
RT: 11.163 min Scan# 1
Delta R.T. 0.247 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

Instrument :
MSVOA_D
ClientSampleId :

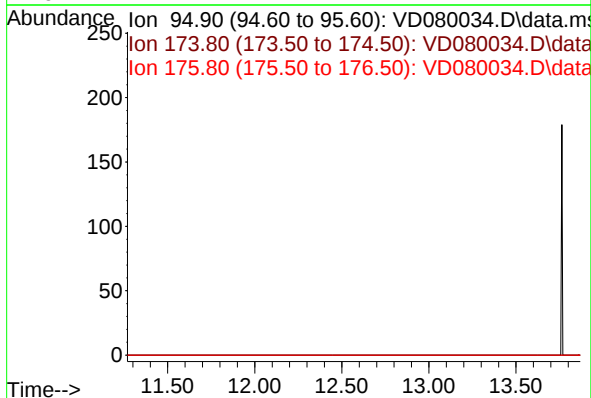
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
58 0.0 27.8 83.4#

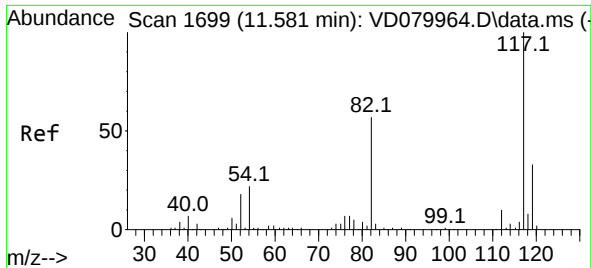


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.57 min

Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

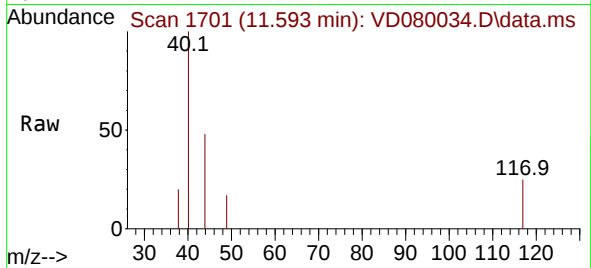
Tgt Ion: 95
Sig Exp Ratio
95 100
174 86.7
176 83.3



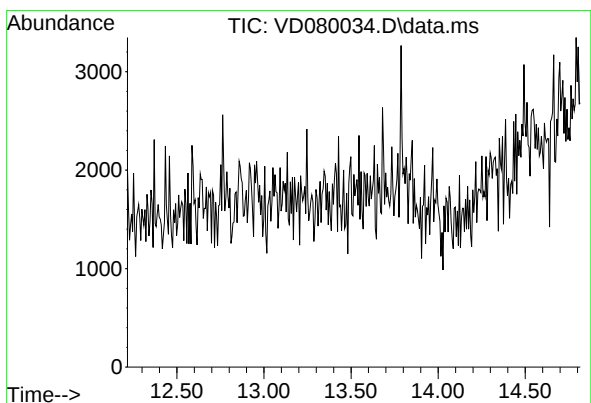
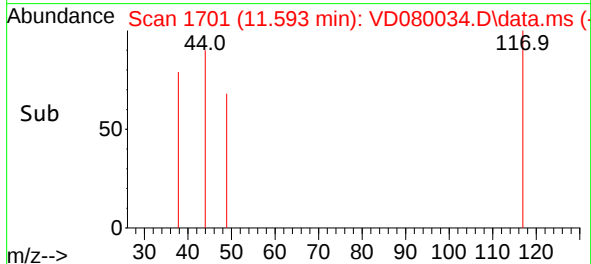
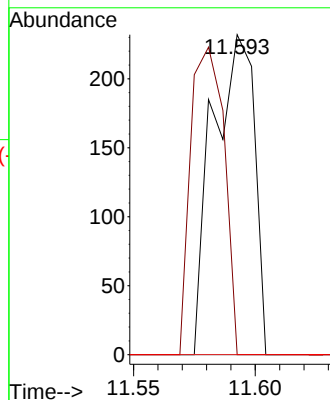


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.593 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

Instrument :
MSVOA_D
ClientSampleId :



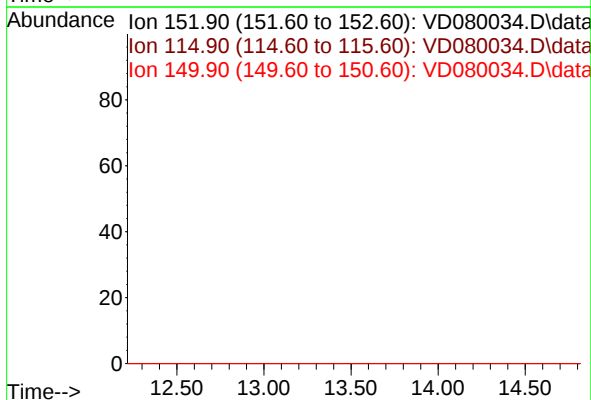
Tgt Ion:117 Resp: 276
Ion Ratio Lower Upper
117 100
82 0.0 45.8 68.6#
119 0.0 26.2 39.2#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.52 min

Lab File: VD080034.D
Acq: 15 Nov 2024 19:28

Tgt Ion: 152
Sig Exp Ratio
152 100
115 57.9
150 177.4



Ion 114.90 (114.60 to 115.60): VD080034.D\data.ms (-

Ion 149.90 (149.60 to 150.60): VD080034.D\data.ms (-