

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111521\
 Data File : VD071035.D
 Acq On : 15 Nov 2021 18:32
 Operator : VA/SY
 Sample : M4601-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 16 03:22:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

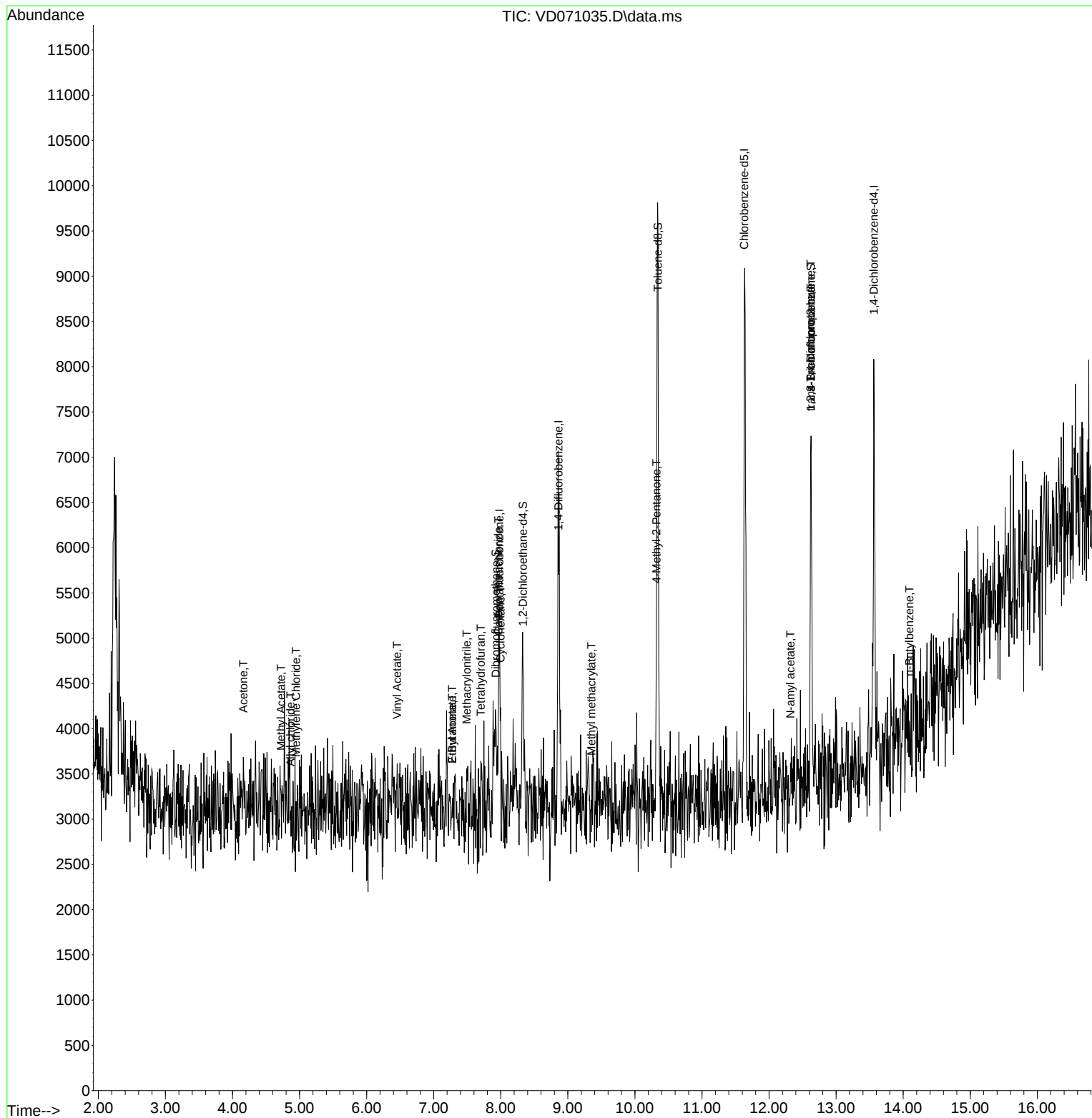
Internal Standards						
1) Pentafluorobenzene	7.979	168	2089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	4073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	3687	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	1167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	1392	62.585	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.180%			
35) Dibromofluoromethane	7.926	113	782	34.025	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 68.040%			
50) Toluene-d8	10.343	98	4809	53.429	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.860%			
62) 4-Bromofluorobenzene	12.626	95	1499	46.254	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.500%			
Target Compounds						Qvalue
14) Allyl chloride	4.867	41	53	1.283	ug/l #	28
16) Acetone	4.161	43	116	37.579	ug/l #	40
18) Methyl Acetate	4.726	43	60	3.144	ug/l #	51
20) Methylene Chloride	4.949	84	60	1.965	ug/l #	7
23) Vinyl Acetate	6.455	43	69	22.424	ug/l #	72
25) 2-Butanone	7.273	43	63	27.822	ug/l #	45
29) Tetrahydrofuran	7.702	42	59	13.056	ug/l #	34
31) Cyclohexane	7.996	56	57	1.246	ug/l #	19
37) Ethyl Acetate	7.273	43	63	3.797	ug/l #	66
38) Carbon Tetrachloride	7.967	117	256	7.644	ug/l #	12
41) Methacrylonitrile	7.490	41	60	8.077	ug/l #	12
48) Methyl methacrylate	9.349	41	61	3.541	ug/l #	15
51) 4-Methyl-2-Pentanone	10.320	43	55	3.231	ug/l #	34
74) N-amyl acetate	12.320	43	55	2.290	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	895	89.782	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	895	164.700	ug/l #	18
89) n-Butylbenzene	14.090	91	73	1.009	ug/l #	32

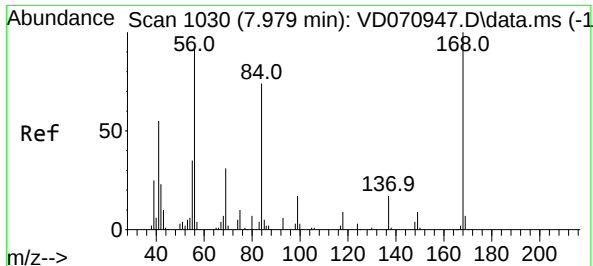
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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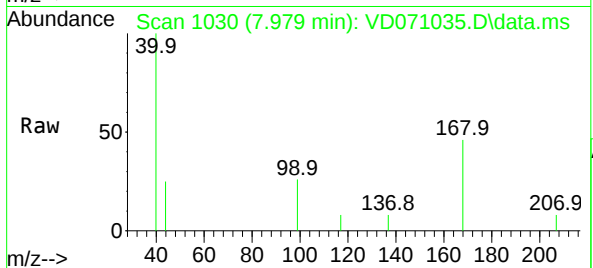
Quant Time: Nov 16 03:22:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration



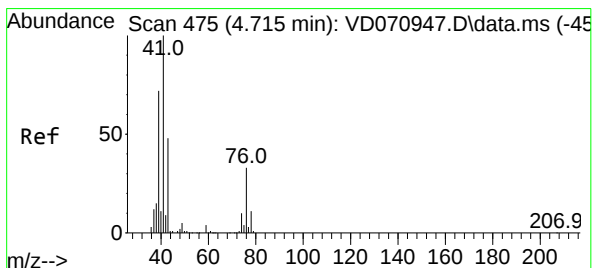
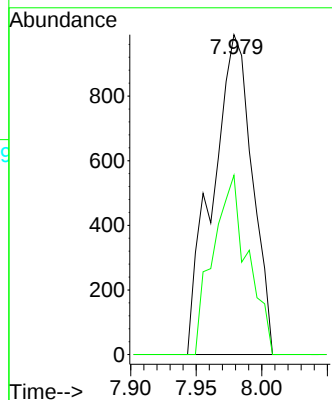
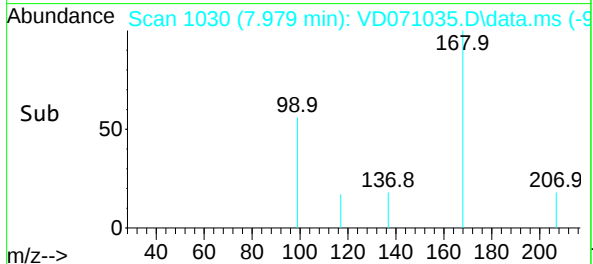


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

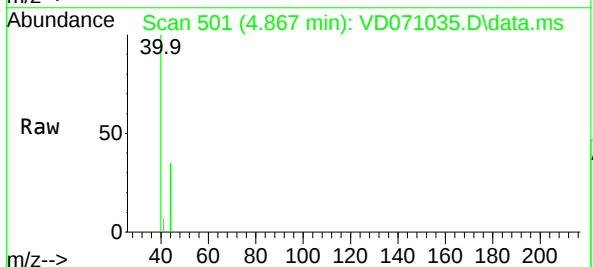
Instrument :
MSVOA_D
ClientSampleId :



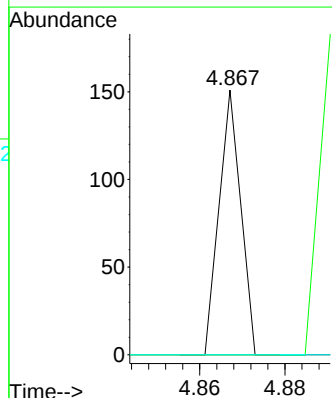
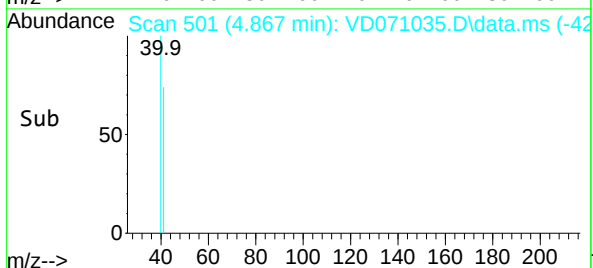
Tgt Ion:168 Resp: 2089
Ion Ratio Lower Upper
168 100
99 56.1 46.6 69.8

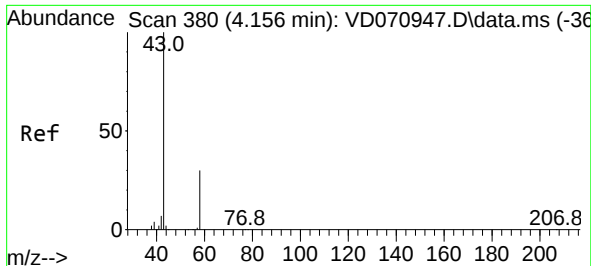


#14
Allyl chloride
Concen: 1.283 ug/l
RT: 4.867 min Scan# 501
Delta R.T. 0.152 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32



Tgt Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
39 0.0 45.6 68.4#
76 0.0 30.2 45.4#

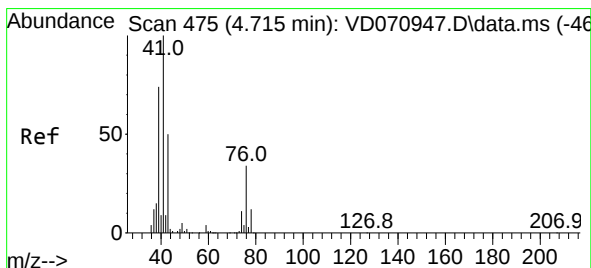
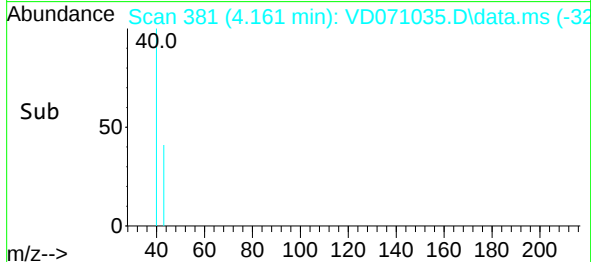
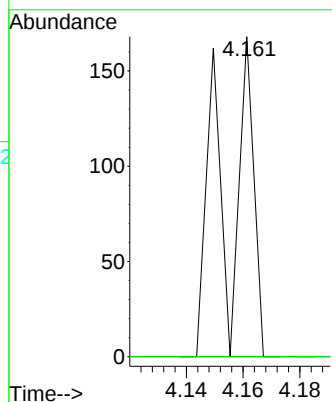
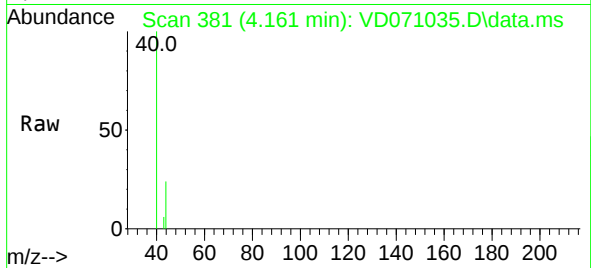




#16
Acetone
Concen: 37.579 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

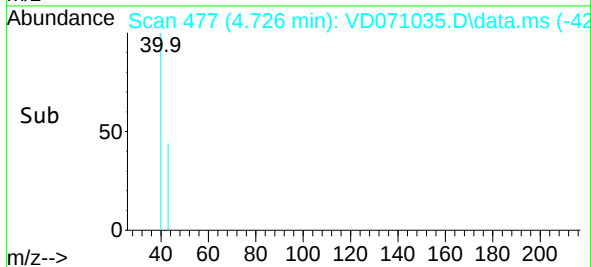
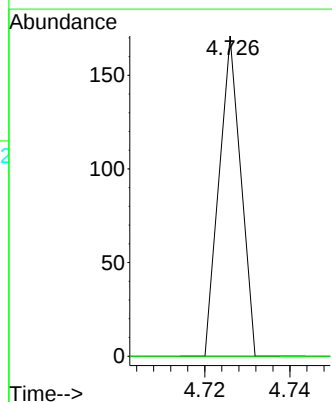
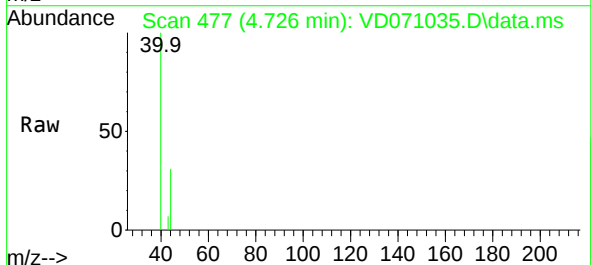
Instrument :
MSVOA_D
ClientSampleId :

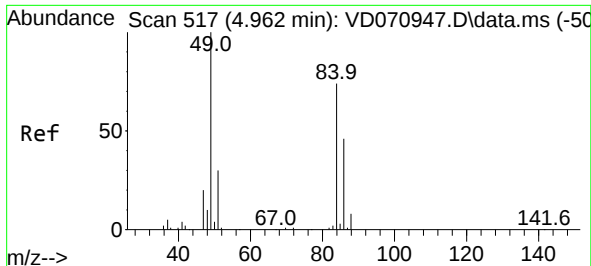
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#18
Methyl Acetate
Concen: 3.144 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.011 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

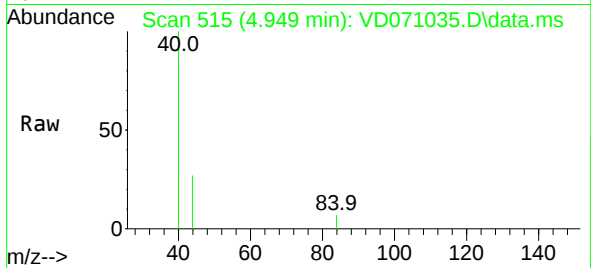
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



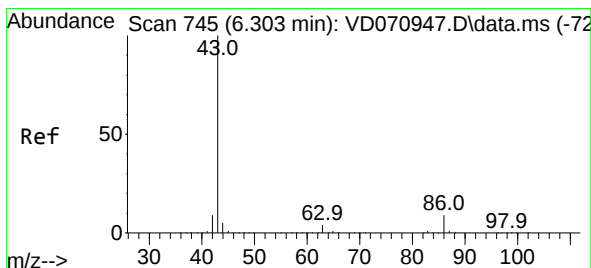
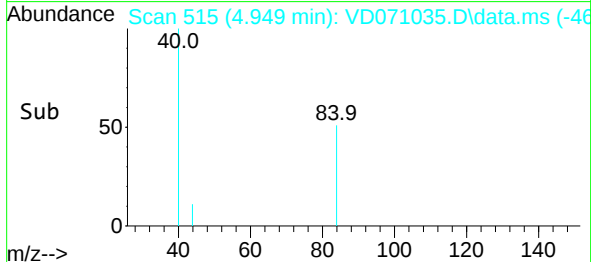
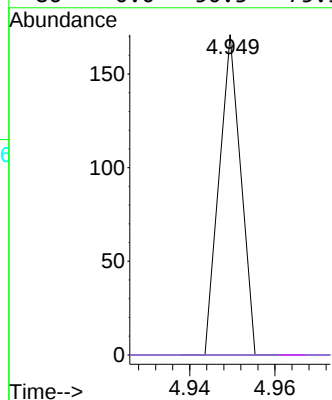


#20
Methylene Chloride
Concen: 1.965 ug/l
RT: 4.949 min Scan# 517
Delta R.T. -0.013 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

Instrument :
MSVOA_D
ClientSampleId :

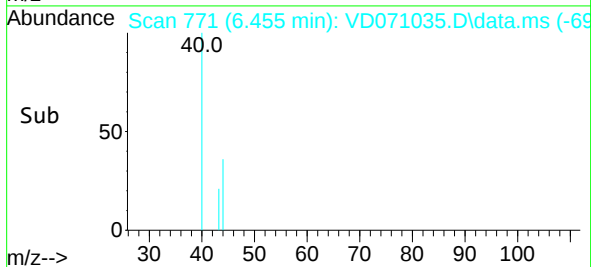
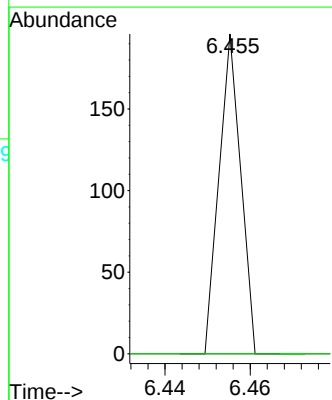
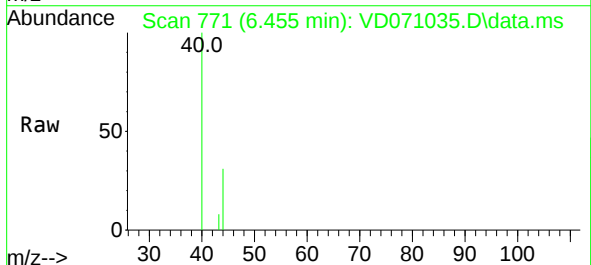


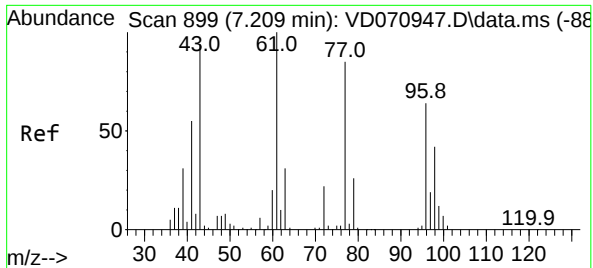
Tgt Ion: 84 Resp: 60
Ion Ratio Lower Upper
84 100
49 0.0 95.8 143.6#
51 0.0 30.9 46.3#
86 0.0 50.3 75.5#



#23
Vinyl Acetate
Concen: 22.424 ug/l
RT: 6.455 min Scan# 771
Delta R.T. 0.152 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

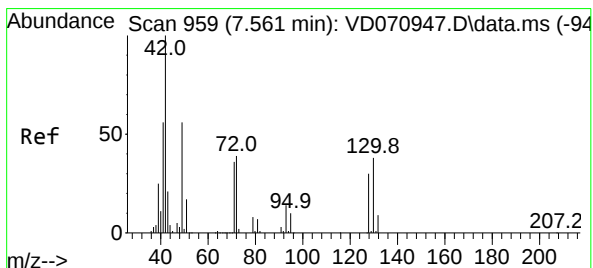
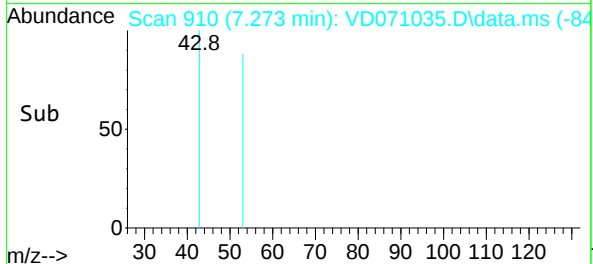
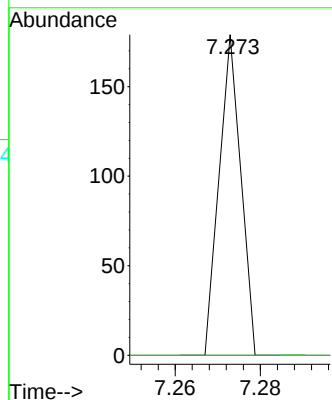
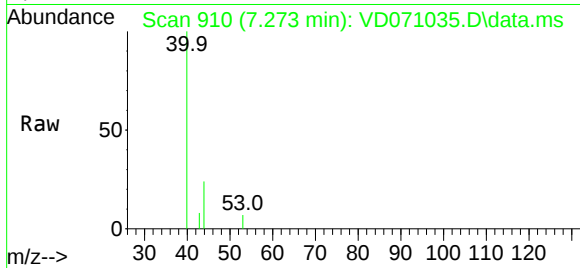




#25
2-Butanone
Concen: 27.822 ug/l
RT: 7.273 min Scan# 91
Delta R.T. 0.064 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

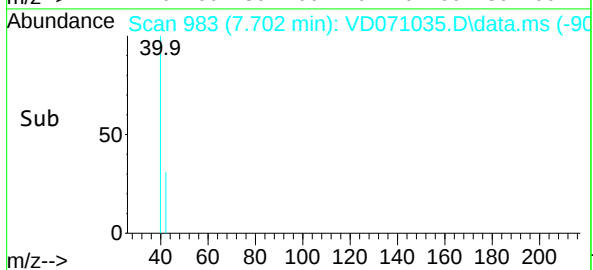
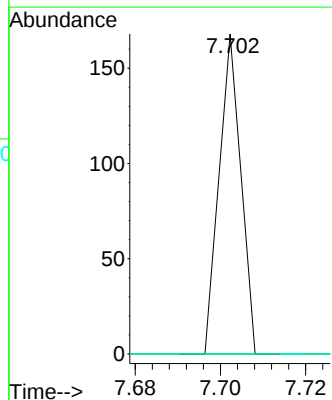
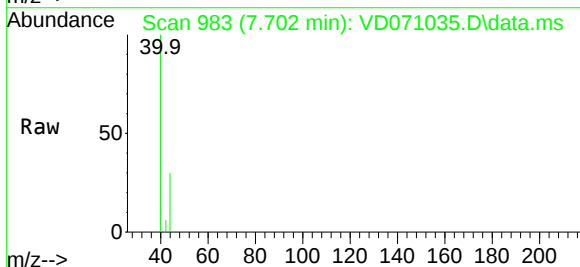
Instrument :
MSVOA_D
ClientSampleId :

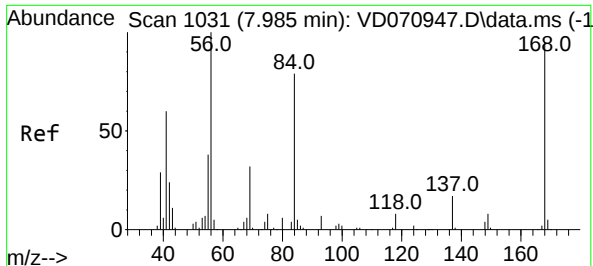
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 13.056 ug/l
RT: 7.702 min Scan# 983
Delta R.T. 0.141 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

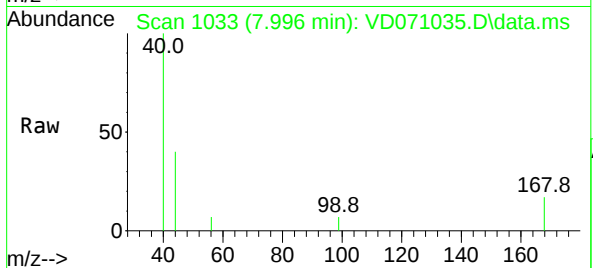
Tgt Ion: 42 Resp: 59
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



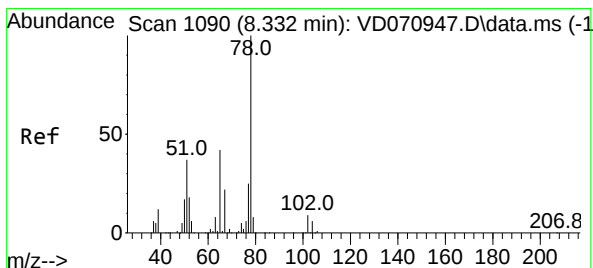
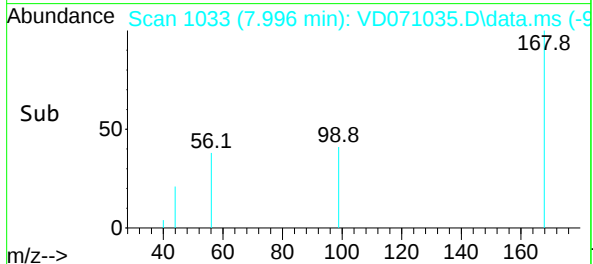
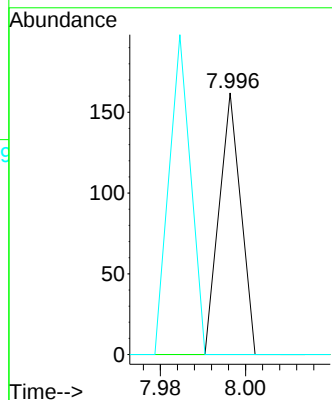


#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.996 min Scan# 1031
Delta R.T. 0.011 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

Instrument :
MSVOA_D
ClientSampleId :

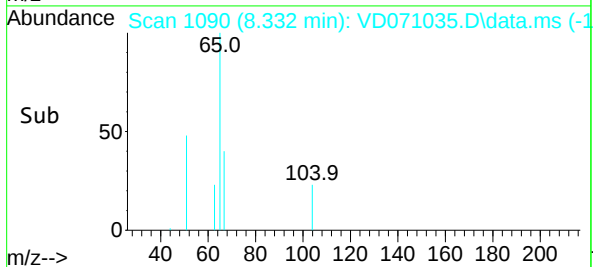
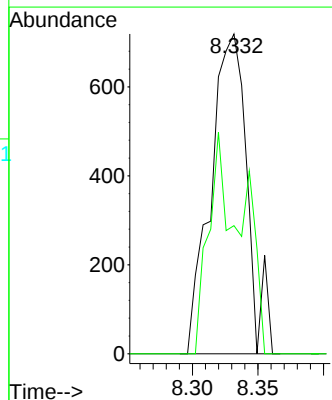
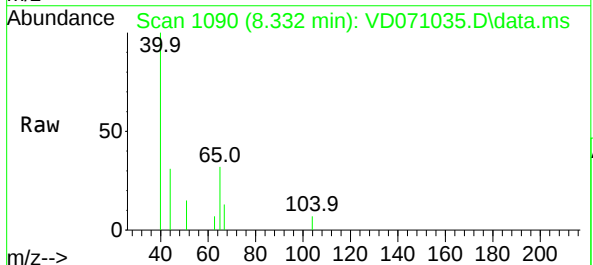


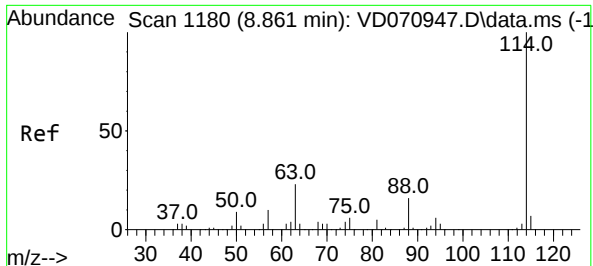
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
69 0.0 25.9 38.9#
84 0.0 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 62.585 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

Tgt Ion: 65 Resp: 1392
Ion Ratio Lower Upper
65 100
67 46.8 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071035.D

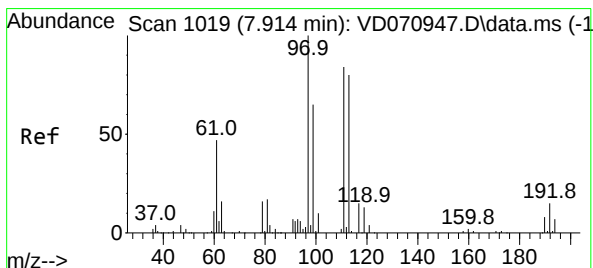
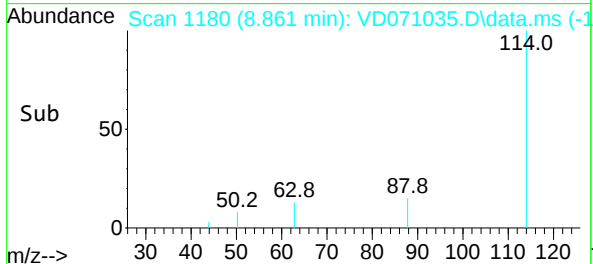
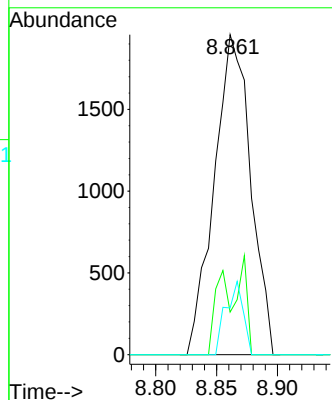
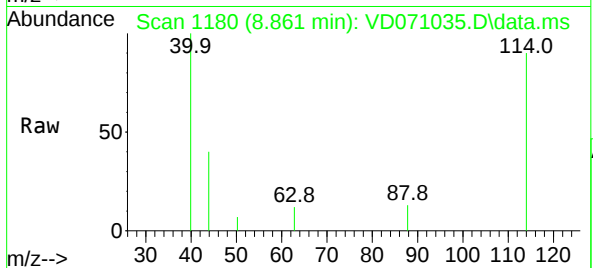
Acq: 15 Nov 2021 18:32

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	4073
Ion Ratio	Lower	Upper
114	100	
63	13.3	0.0 41.8
88	14.6	0.0 32.8



#35

Dibromofluoromethane

Concen: 34.025 ug/l

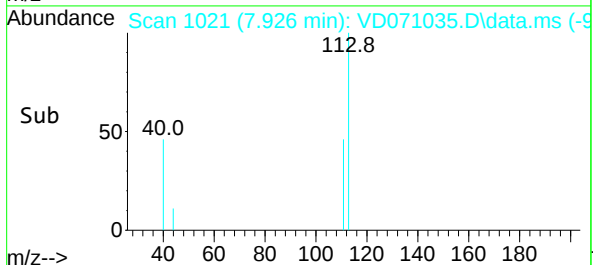
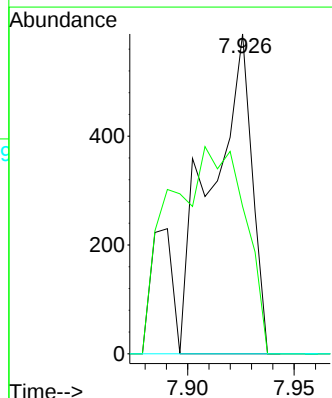
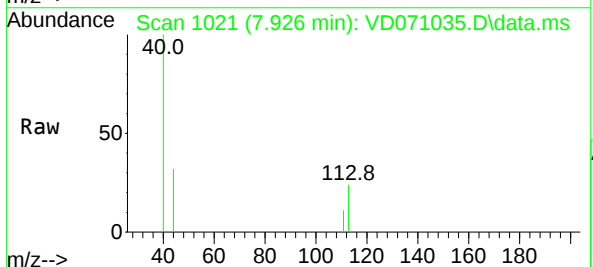
RT: 7.926 min Scan# 1021

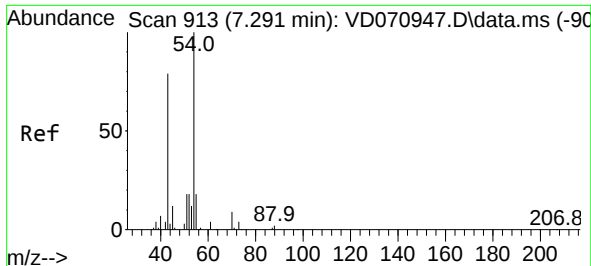
Delta R.T. 0.012 min

Lab File: VD071035.D

Acq: 15 Nov 2021 18:32

Tgt Ion:113	Resp:	782
Ion Ratio	Lower	Upper
113	100	
111	0.0	82.0 123.0#
192	0.0	15.2 22.8#





#37

Ethyl Acetate

Concen: 3.797 ug/l

RT: 7.273 min Scan# 91

Delta R.T. -0.018 min

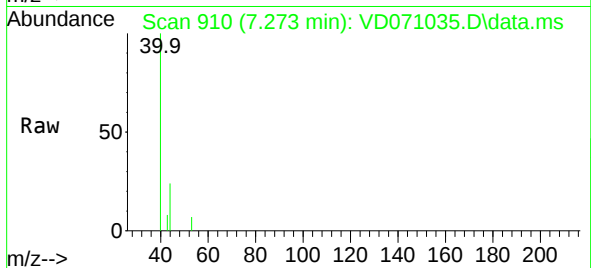
Lab File: VD071035.D

Acq: 15 Nov 2021 18:32

Instrument :

MSVOA_D

ClientSampleId :



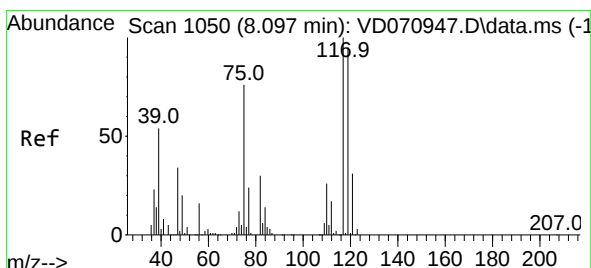
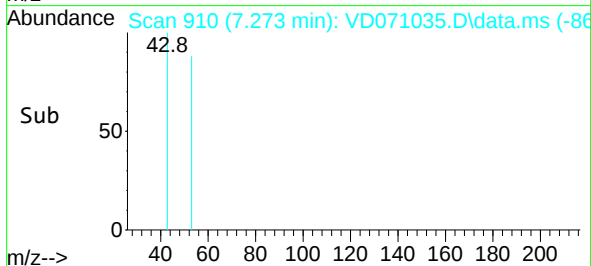
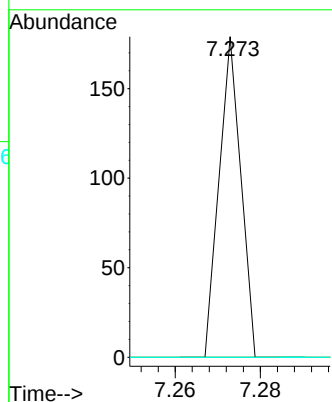
Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

70 0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 7.644 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.130 min

Lab File: VD071035.D

Acq: 15 Nov 2021 18:32

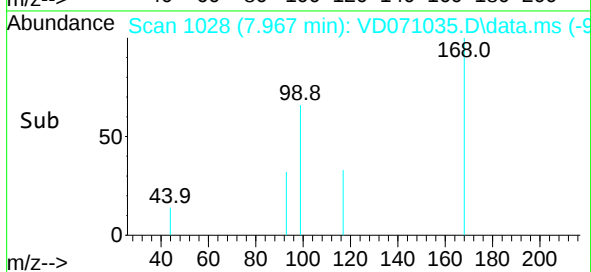
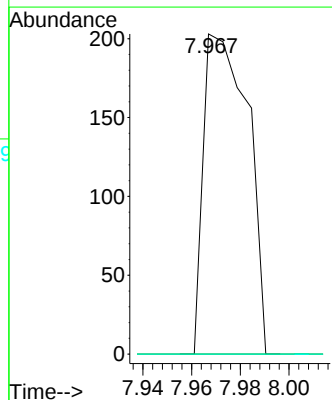
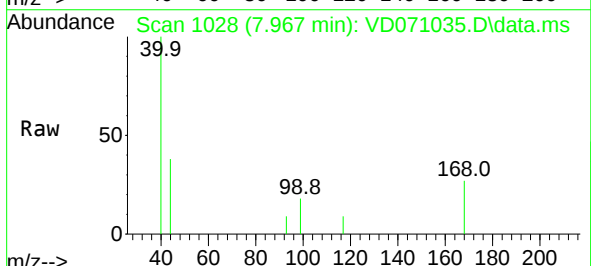
Tgt Ion: 117 Resp: 256

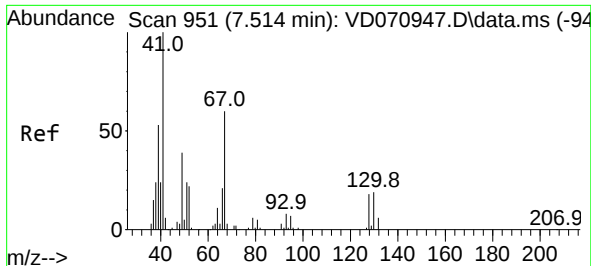
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

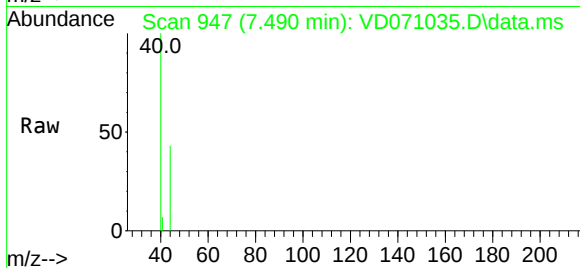
121 0.0 23.6 35.4#



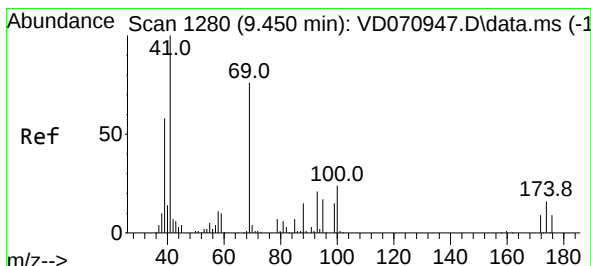
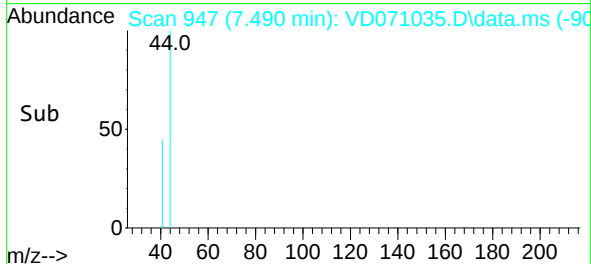
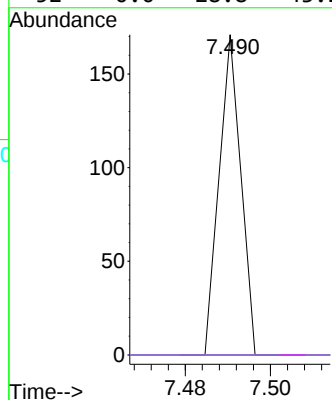


#41
Methacrylonitrile
Concen: 8.077 ug/l
RT: 7.490 min Scan# 941
Delta R.T. -0.024 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

Instrument :
MSVOA_D
ClientSampleId :

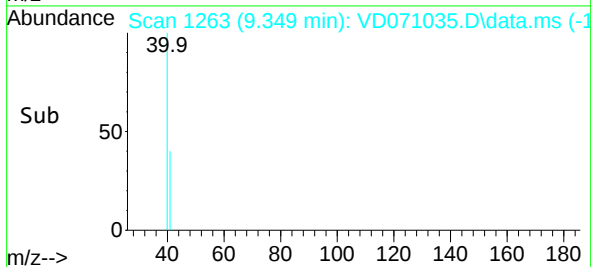
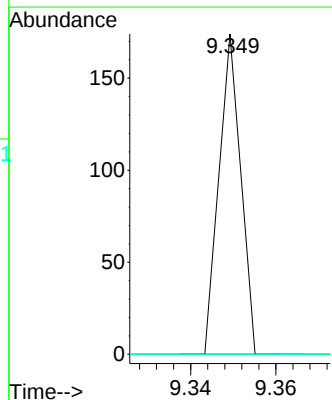
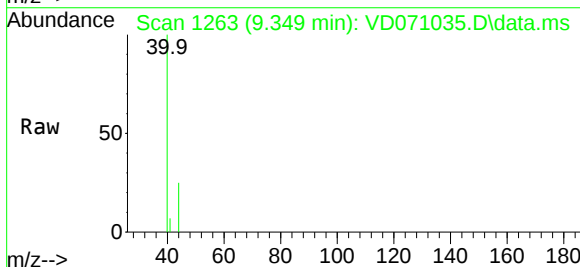


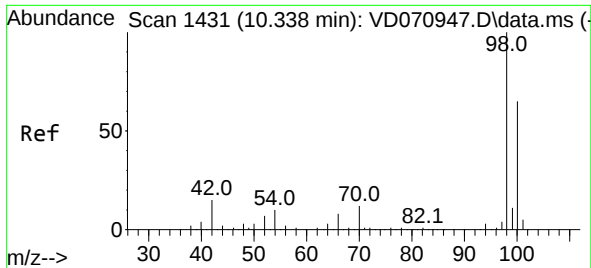
Tgt Ion: 41	Resp: 60
Ion Ratio	Lower Upper
41 100	
39 0.0	60.2 90.4#
67 0.0	74.8 112.2#
52 0.0	28.8 43.2#



#48
Methyl methacrylate
Concen: 3.541 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.101 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

Tgt Ion: 41	Resp: 61
Ion Ratio	Lower Upper
41 100	
69 0.0	69.8 104.6#
39 0.0	35.6 53.4#

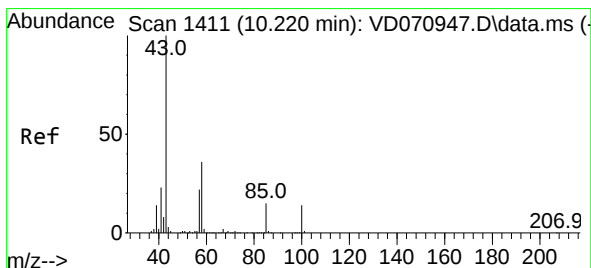
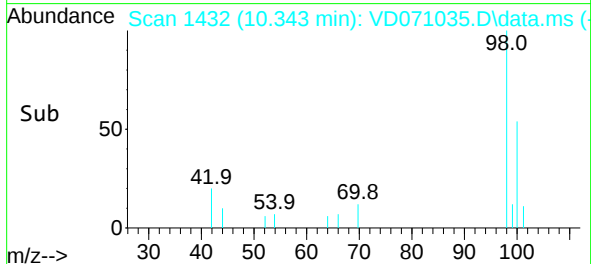
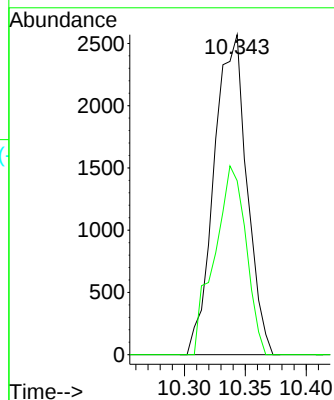
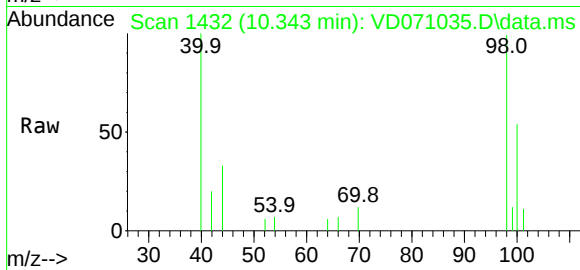




#50
Toluene-d8
Concen: 53.429 ug/l
RT: 10.343 min Scan# 1431
Delta R.T. 0.005 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

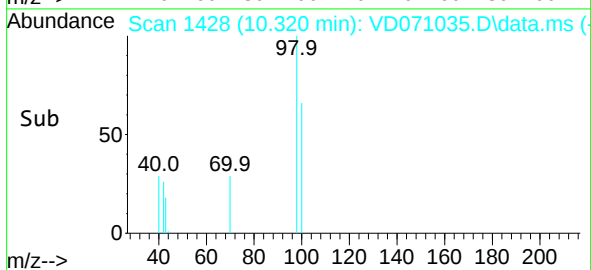
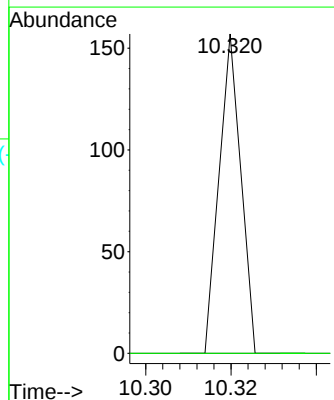
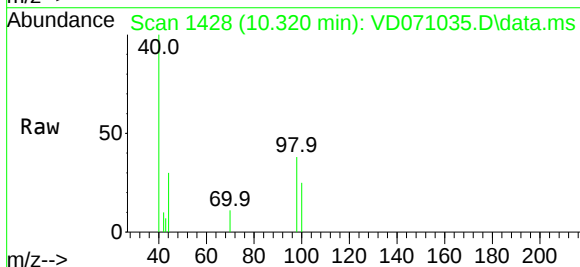
Instrument :
MSVOA_D
ClientSampleId :

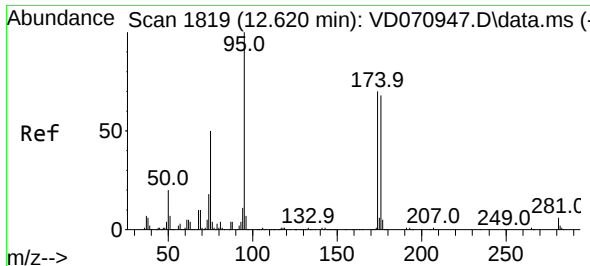
Tgt Ion: 98 Resp: 4809
Ion Ratio Lower Upper
98 100
100 56.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 3.231 ug/l
RT: 10.320 min Scan# 1428
Delta R.T. 0.100 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

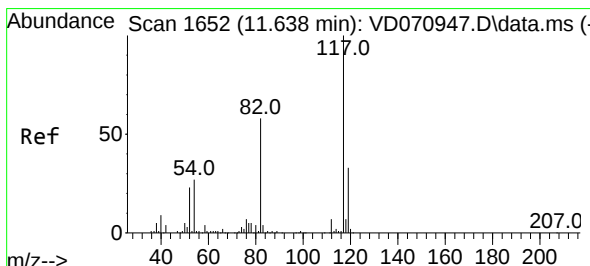
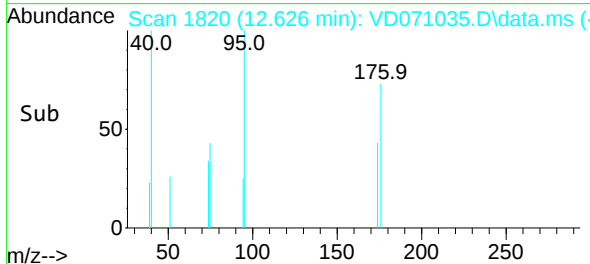
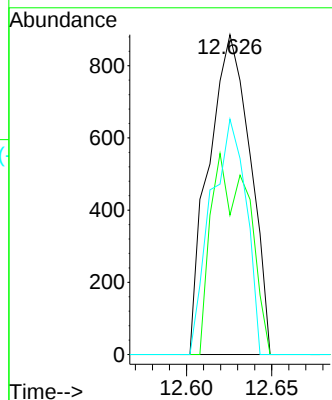
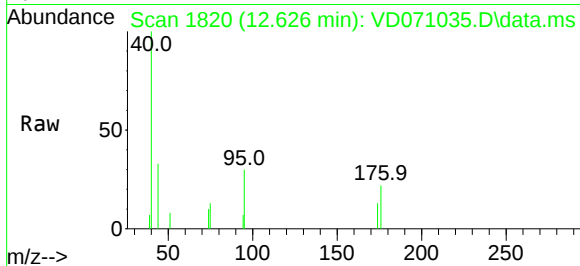




#62
4-Bromofluorobenzene
Concen: 46.254 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

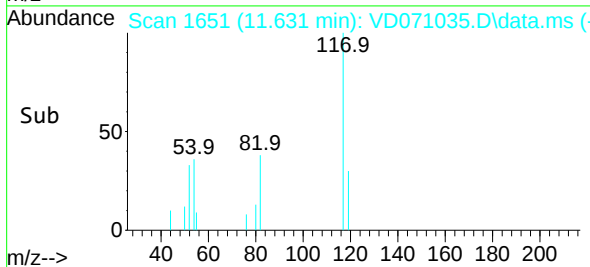
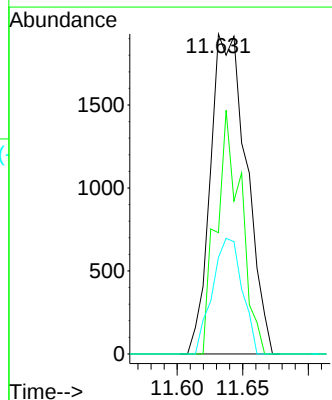
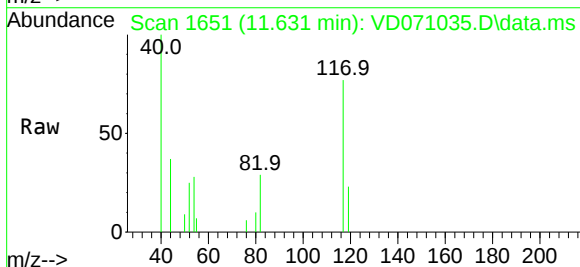
Instrument :
MSVOA_D
ClientSampleId :

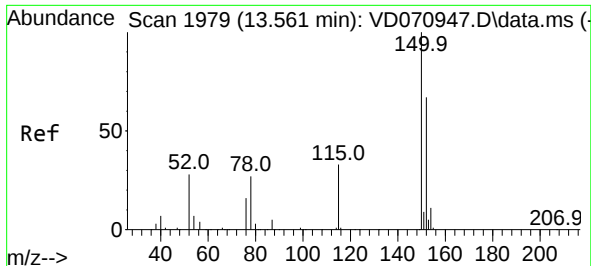
Tgt Ion: 95 Resp: 1499
Ion Ratio Lower Upper
95 100
174 57.0 0.0 159.4
176 62.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.631 min Scan# 1651
Delta R.T. -0.007 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

Tgt Ion: 117 Resp: 3687
Ion Ratio Lower Upper
117 100
82 37.9 44.7 67.1#
119 30.1 26.2 39.4

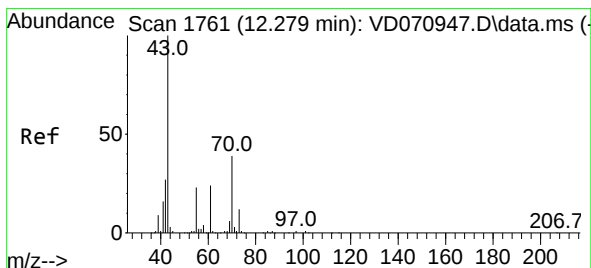
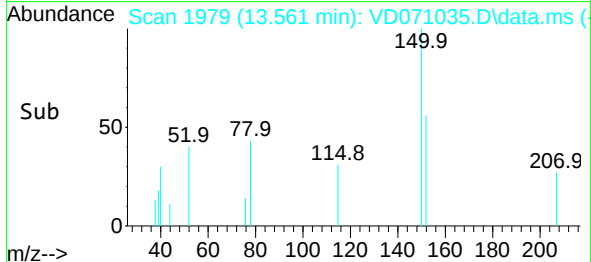
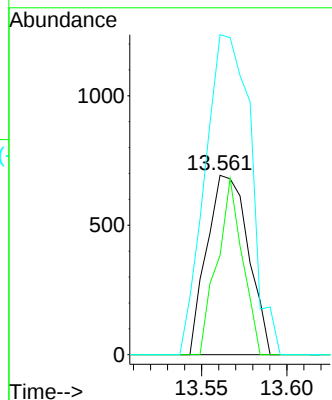
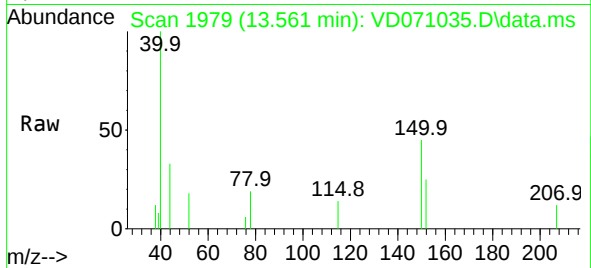




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. -0.000 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

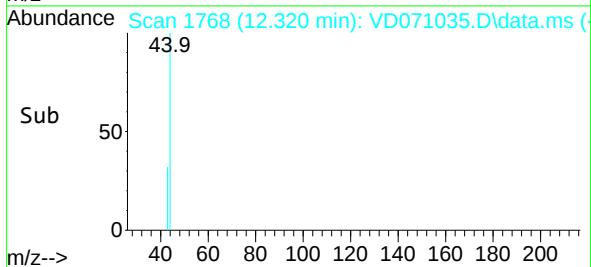
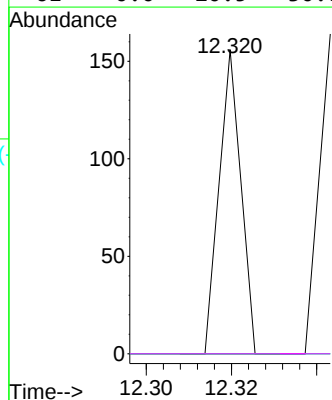
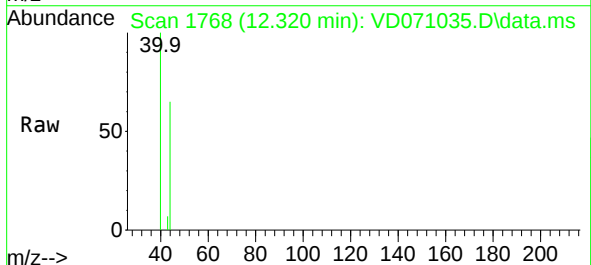
Instrument :
MSVOA_D
ClientSampleId :

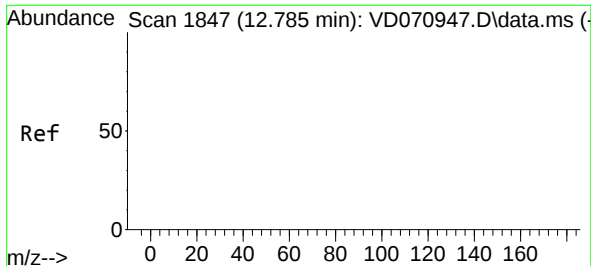
Tgt Ion:152 Resp: 1167
Ion Ratio Lower Upper
152 100
115 59.8 29.8 89.3
150 197.1 0.0 349.2



#74
N-ethyl acetate
Concen: 2.290 ug/l
RT: 12.320 min Scan# 1768
Delta R.T. 0.041 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

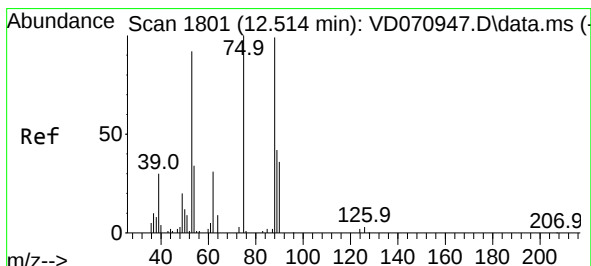
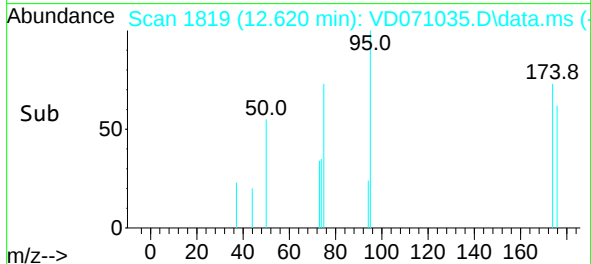
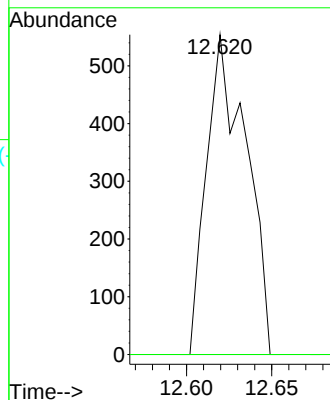
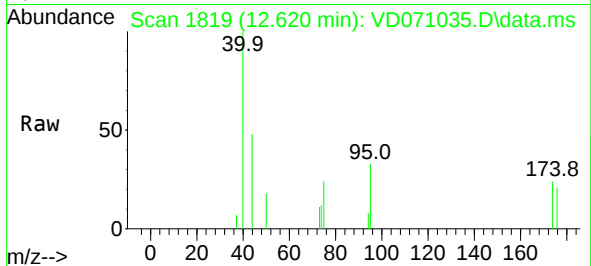




#76
1,2,3-Trichloropropane
Concen: 89.782 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

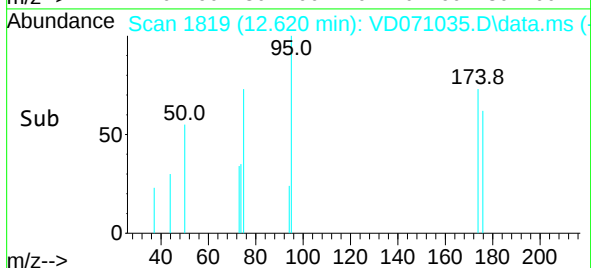
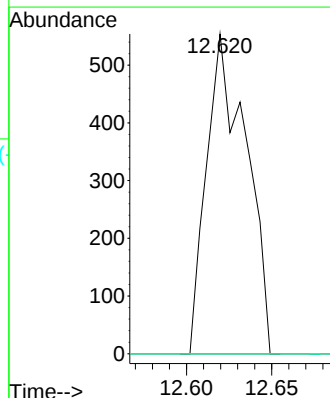
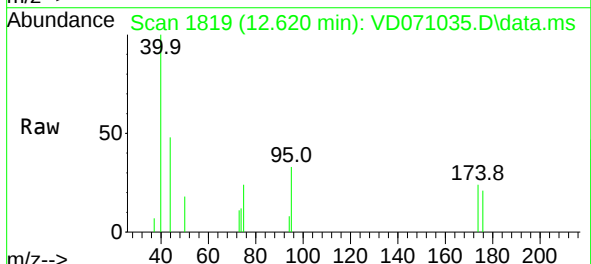
Instrument :
MSVOA_D
ClientSampleId :

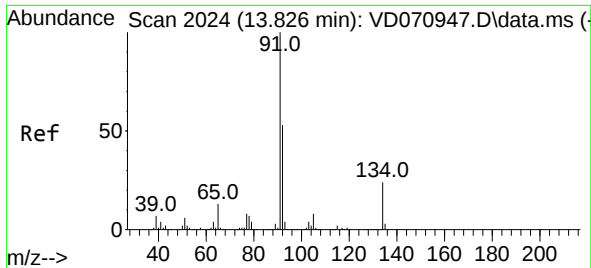
Tgt Ion: 75 Resp: 895
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 164.700 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD071035.D
Acq: 15 Nov 2021 18:32

Tgt Ion: 75 Resp: 895
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#89

n-Butylbenzene

Concen: 1.009 ug/l

RT: 14.090 min Scan# 20

Delta R.T. 0.264 min

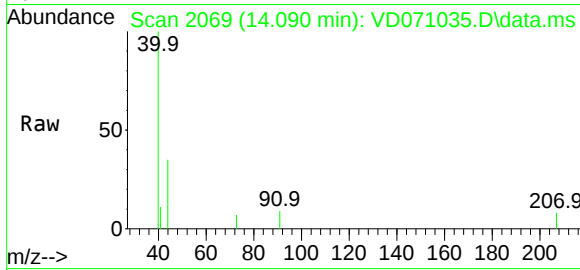
Lab File: VD071035.D

Acq: 15 Nov 2021 18:32

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 91 Resp: 73

Ion Ratio Lower Upper

91 100

92 0.0 27.3 81.9#

134 0.0 12.3 36.9#

