

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013122\
 Data File : VD071844.D
 Acq On : 31 Jan 2022 14:43
 Operator : VA/SY
 Sample : N1325-01
 Misc : 3.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TES-1

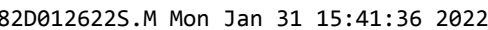
Quant Time: Jan 31 15:41:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

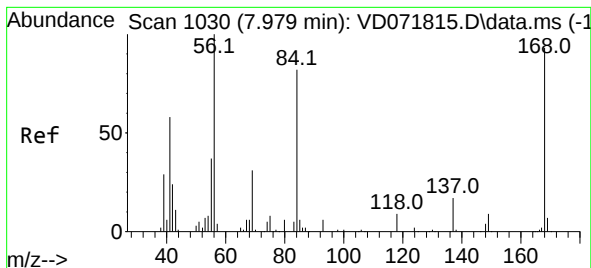
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	1439	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	2521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	1704	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.57
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.344	65	987	54.266	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.540%
35) Dibromofluoromethane	7.914	113	1018	61.432	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	122.860%
50) Toluene-d8	10.344	98	2607	42.124	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.240%
62) 4-Bromofluorobenzene	12.626	95	194	8.976	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	17.960%#
Target Compounds						
						Qvalue
3) Chloromethane	2.156	50	62	3.035	ug/l	# 40
13) Acrolein	3.720	56	71	43.950	ug/l	# 14
14) Allyl chloride	4.714	41	54	1.792	ug/l	# 22
15) Acrylonitrile	5.173	53	56	13.623	ug/l	# 17
18) Methyl Acetate	4.620	43	58	5.388	ug/l	# 55
21) trans-1,2-Dichloroethene	5.473	96	68	3.695	ug/l	# 1
22) Diisopropyl ether	6.350	45	61	1.033	ug/l	# 35
23) Vinyl Acetate	6.355	43	76	2.333	ug/l	# 75
28) Bromochloromethane	7.514	49	85	6.546	ug/l	# 19
31) Cyclohexane	8.249	56	58	1.670	ug/l	# 19
41) Methacrylonitrile	7.591	41	68	9.090	ug/l	# 44
48) Methyl methacrylate	9.620	41	57	4.532	ug/l	# 19
51) 4-Methyl-2-Pentanone	10.238	43	61	4.905	ug/l	# 39
59) 2-Hexanone	10.832	43	57	6.314	ug/l	# 27
67) Ethyl Benzene	11.726	91	76	1.146	ug/l	# 44

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

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Response via : Initial Calibration

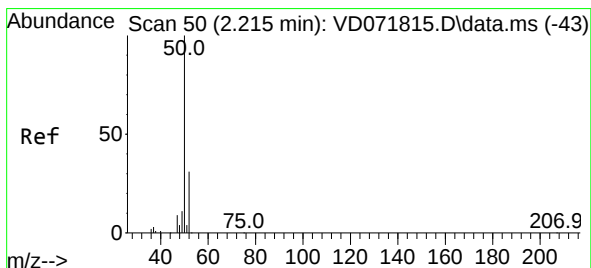
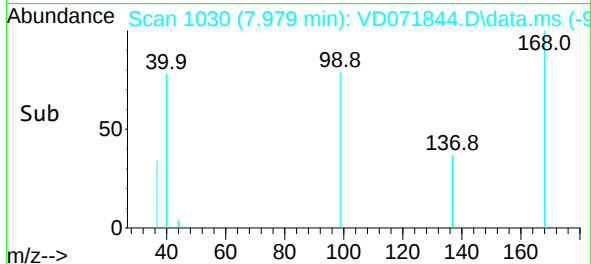
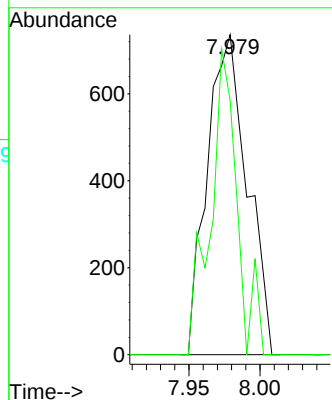
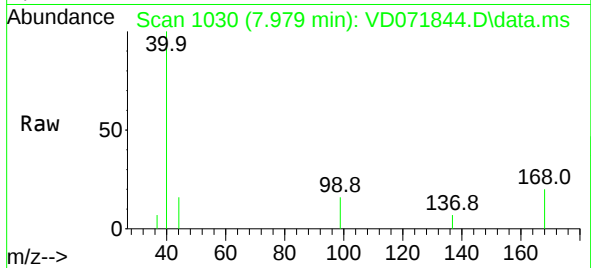




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

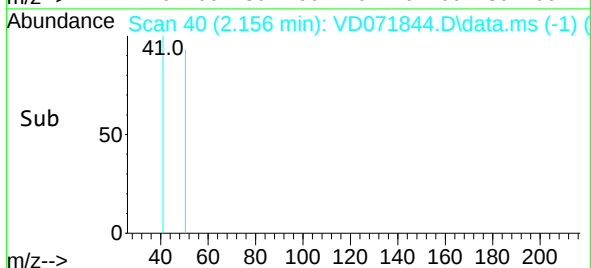
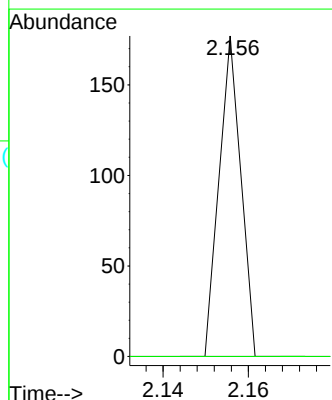
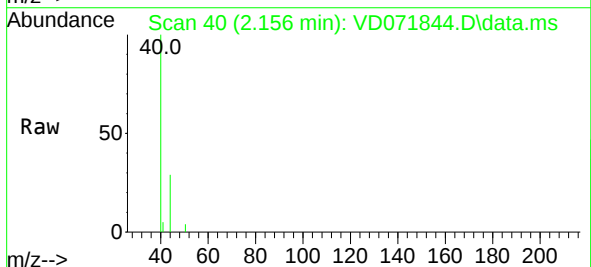
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MSVOA_D
ClientSampleId :
TES-1

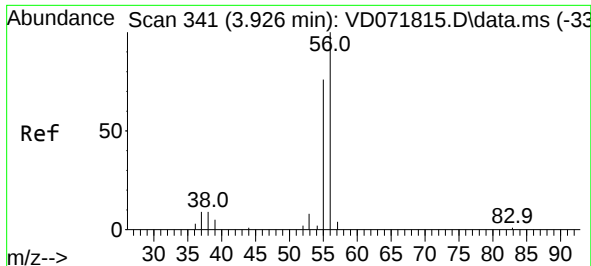
Tgt Ion:168 Resp: 1439
Ion Ratio Lower Upper
168 100
99 79.5 49.8 74.6#



#3
Chloromethane
Concen: 3.035 ug/l
RT: 2.156 min Scan# 40
Delta R.T. -0.059 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

Tgt Ion: 50 Resp: 62
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

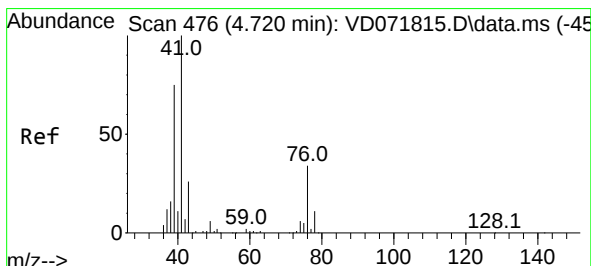
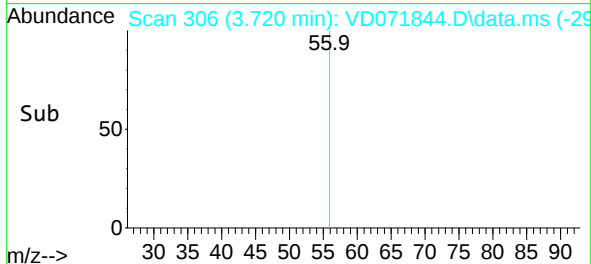
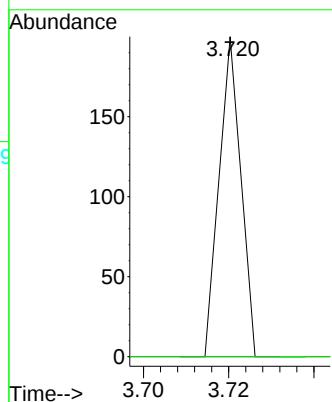
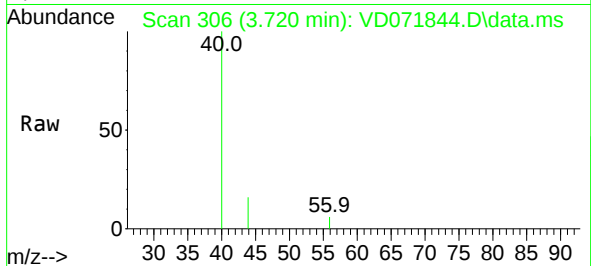




#13
Acrolein
Concen: 43.950 ug/l
RT: 3.720 min Scan# 306
Delta R.T. -0.206 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

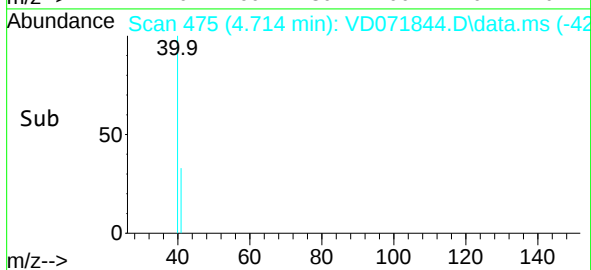
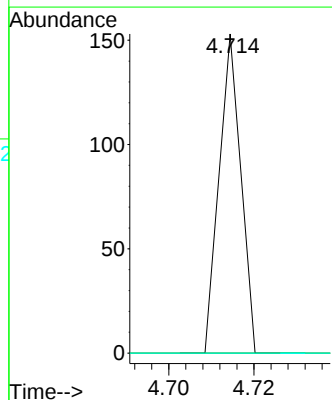
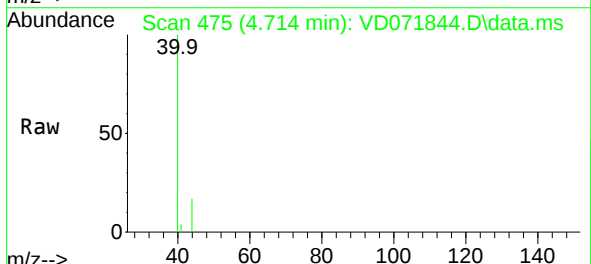
Instrument :
MSVOA_D
ClientSampleId :
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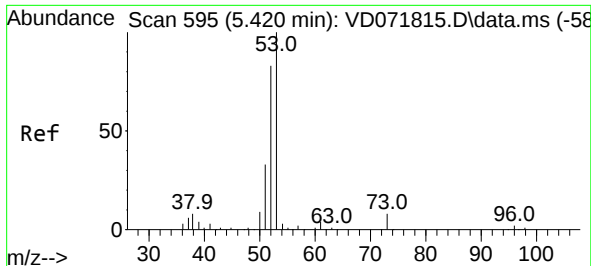
Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#14
Allyl chloride
Concen: 1.792 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

Tgt Ion: 41 Resp: 54
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

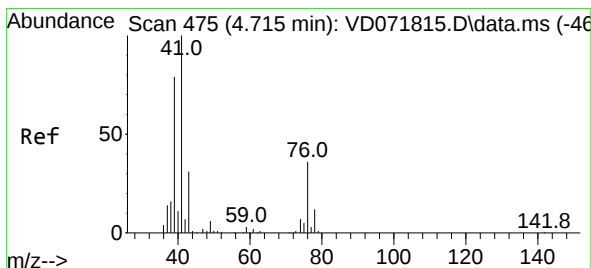
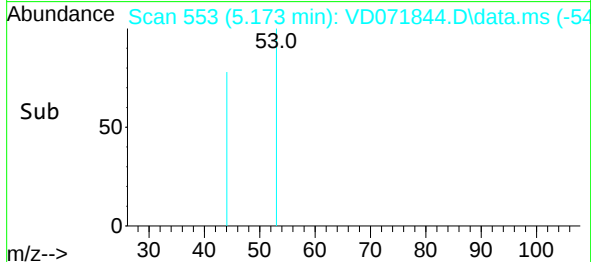
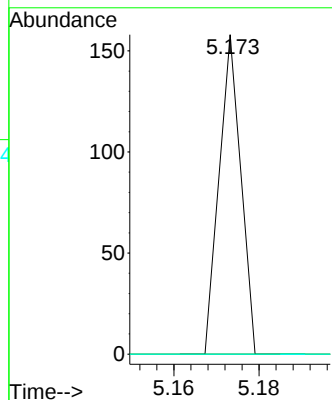
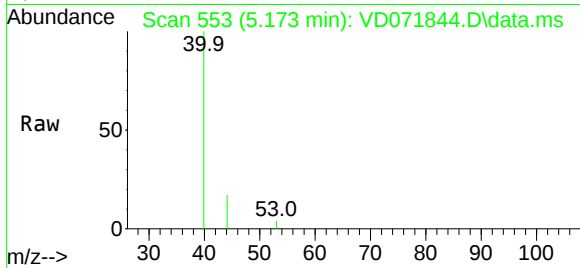




#15
Acrylonitrile
Concen: 13.623 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.247 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

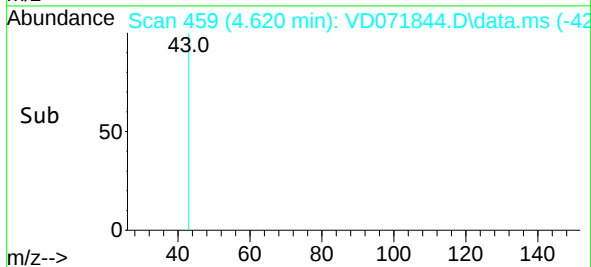
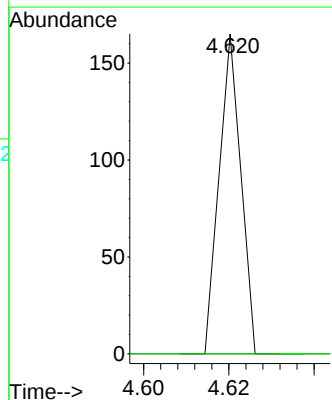
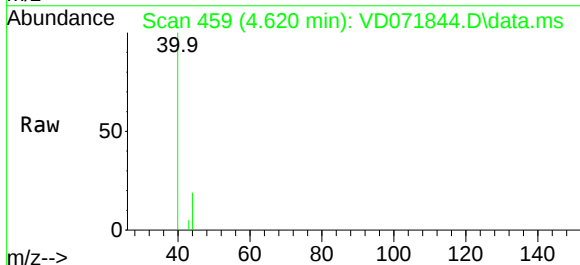
Instrument :
MSVOA_D
ClientSampleId :
TES-1

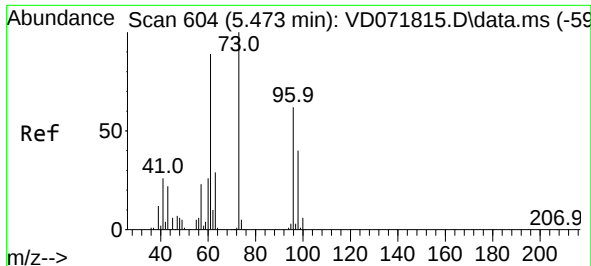
Tgt Ion: 53 Resp: 56
Ion Ratio Lower Upper
53 100
52 0.0 67.2 100.8#
51 0.0 30.3 45.5#



#18
Methyl Acetate
Concen: 5.388 ug/l
RT: 4.620 min Scan# 459
Delta R.T. -0.100 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

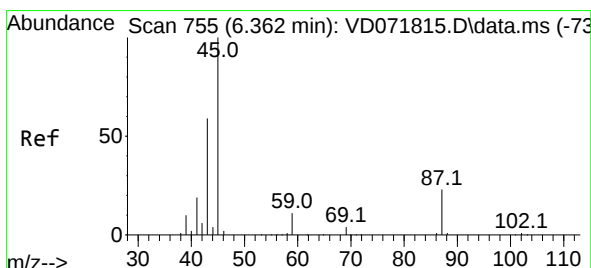
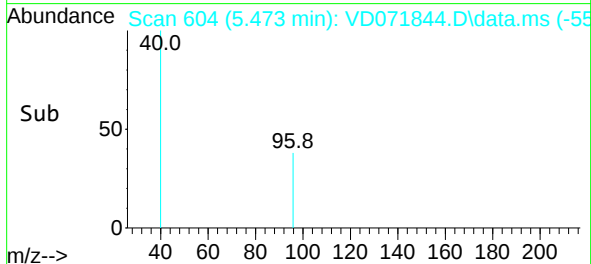
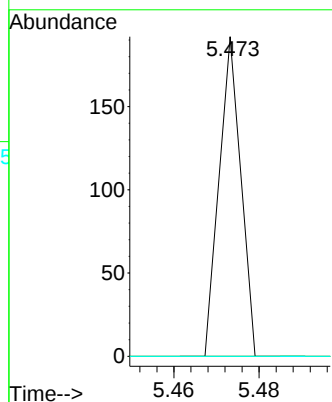
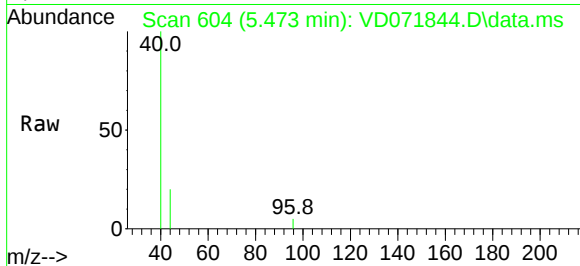




#21
trans-1,2-Dichloroethene
Concen: 3.695 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.006 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

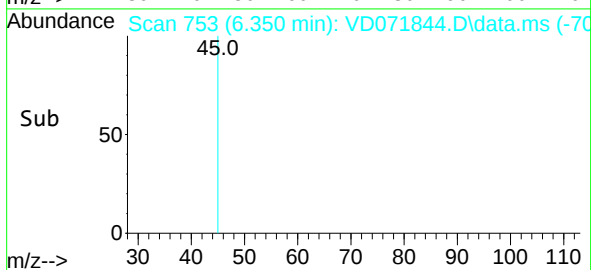
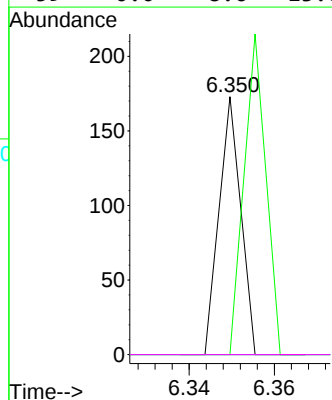
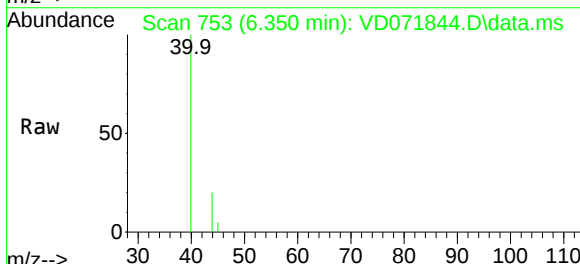
Instrument :
MSVOA_D
ClientSampleId :
TES-1

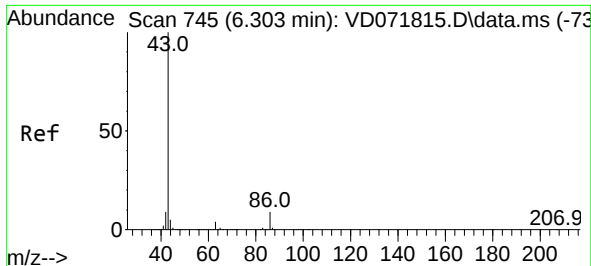
Tgt Ion: 96 Resp: 68
Ion Ratio Lower Upper
96 100
61 0.0 117.9 176.9#
98 0.0 49.4 74.2#



#22
Diisopropyl ether
Concen: 1.033 ug/l
RT: 6.350 min Scan# 753
Delta R.T. -0.012 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

Tgt Ion: 45 Resp: 61
Ion Ratio Lower Upper
45 100
43 0.0 46.6 70.0#
87 0.0 18.4 27.6#
59 0.0 8.6 13.0#

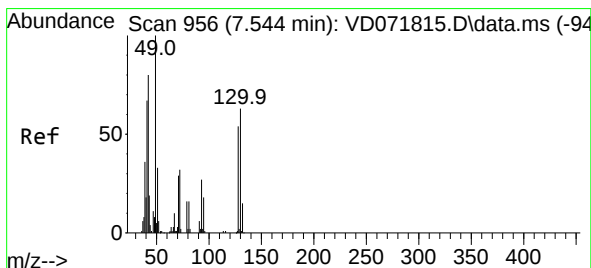
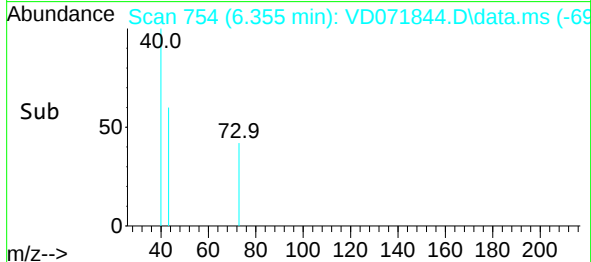
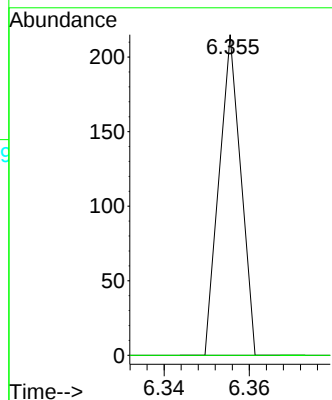
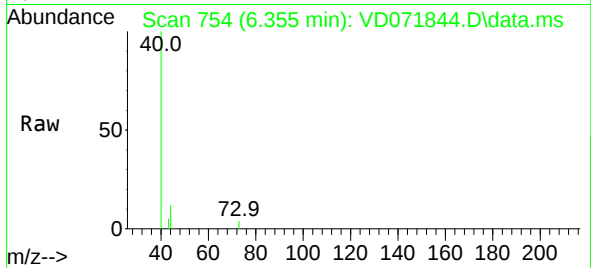




#23
 Vinyl Acetate
 Concen: 2.333 ug/l
 RT: 6.355 min Scan# 71
 Delta R.T. 0.047 min
 Lab File: VD071844.D
 Acq: 31 Jan 2022 14:43

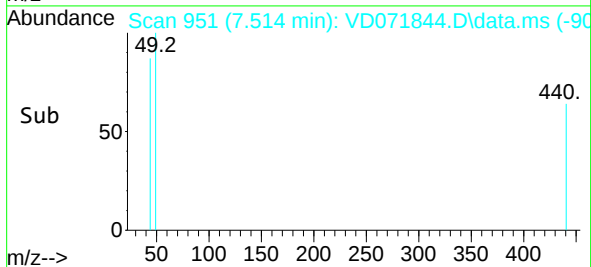
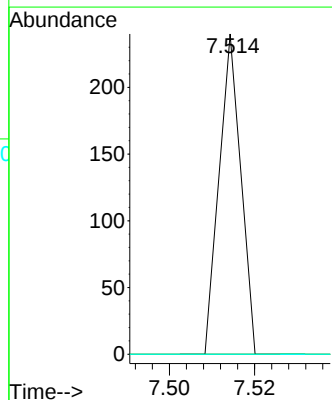
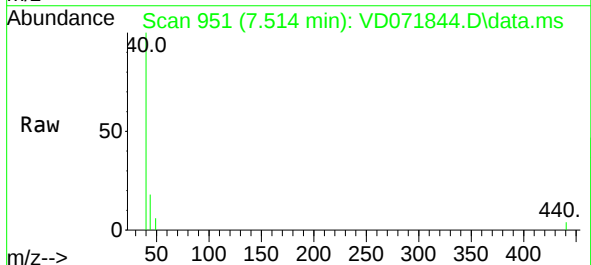
Instrument :
 MSVOA_D
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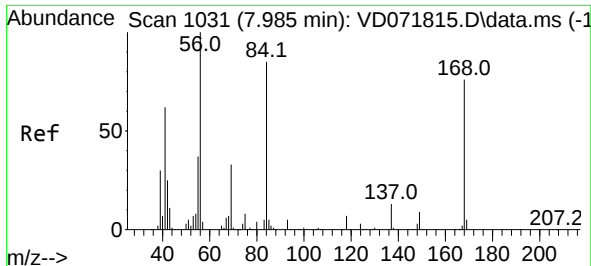
Tgt Ion: 43 Resp: 76
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#28
 Bromochloromethane
 Concen: 6.546 ug/l
 RT: 7.514 min Scan# 951
 Delta R.T. -0.035 min
 Lab File: VD071844.D
 Acq: 31 Jan 2022 14:43

Tgt Ion: 49 Resp: 85
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 0.0 52.6 79.0#

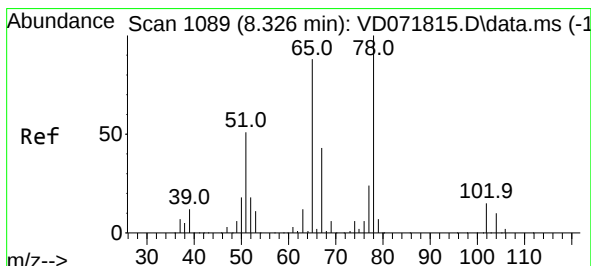
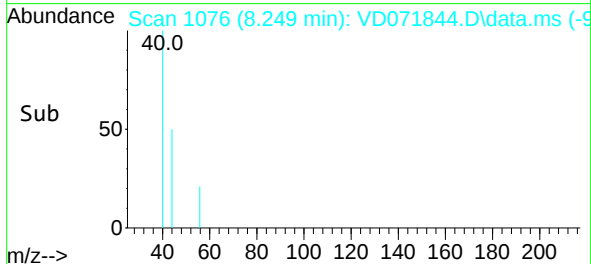
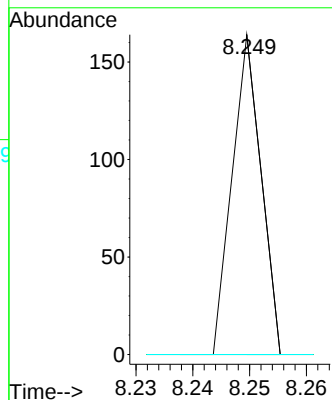
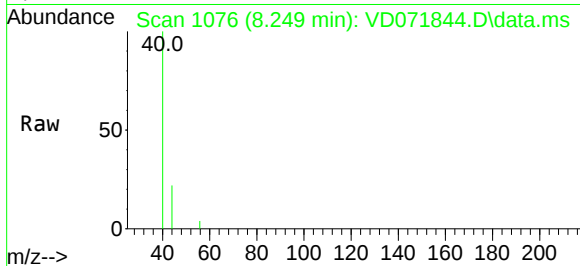




#31
Cyclohexane
Concen: 1.670 ug/l
RT: 8.249 min Scan# 1076
Delta R.T. 0.265 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

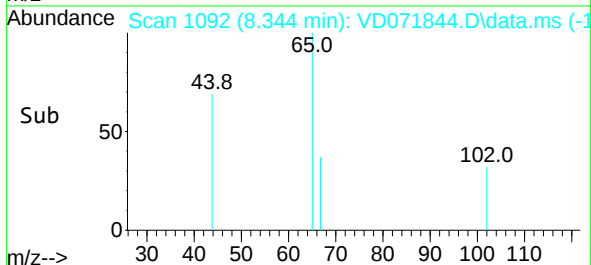
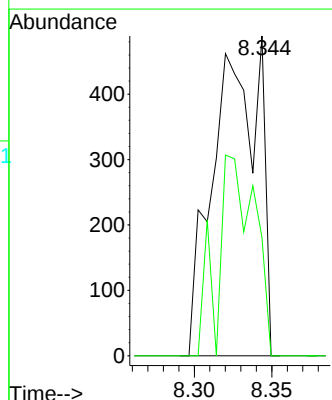
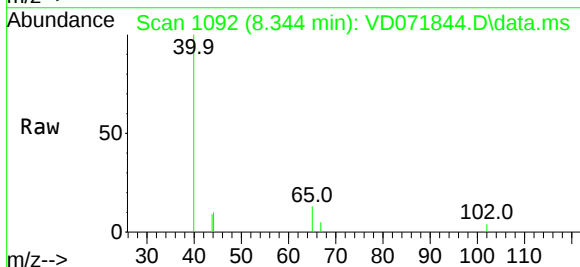
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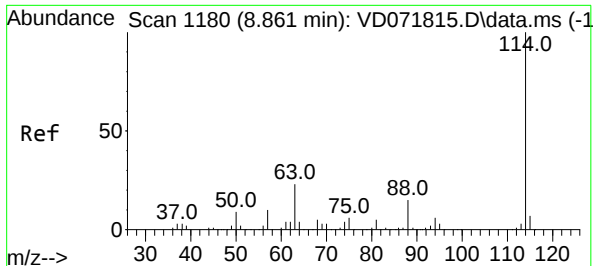
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
69 0.0 25.4 38.2#
84 0.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 54.266 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. 0.018 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

Tgt Ion: 65 Resp: 987
Ion Ratio Lower Upper
65 100
67 0.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD071844.D

Acq: 31 Jan 2022 14:43

Instrument :

MSVOA_D

ClientSampleId :

TES-1

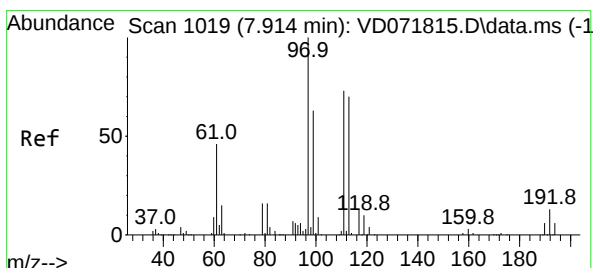
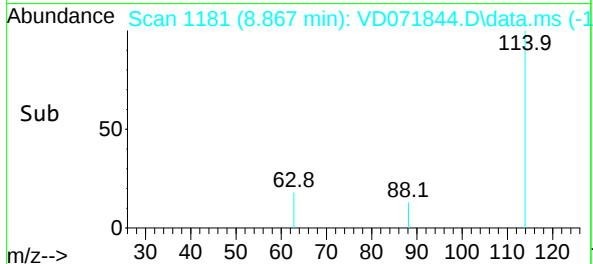
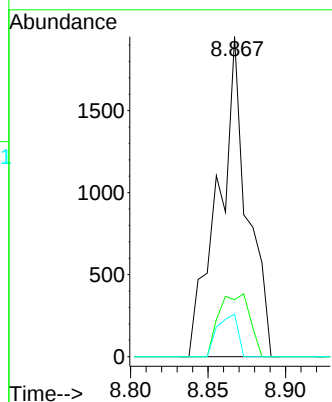
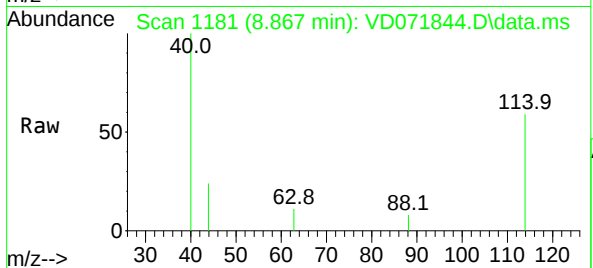
Tgt Ion:114 Resp: 2521

Ion Ratio Lower Upper

114 100

63 17.8 0.0 46.6

88 13.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 61.432 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD071844.D

Acq: 31 Jan 2022 14:43

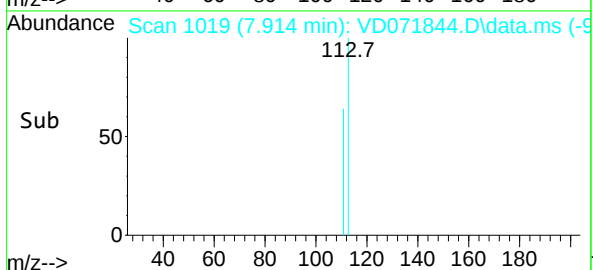
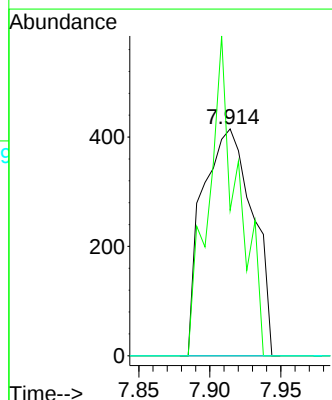
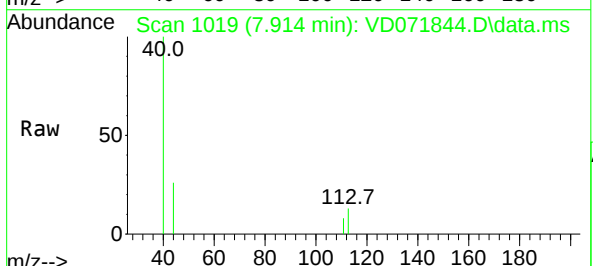
Tgt Ion:113 Resp: 1018

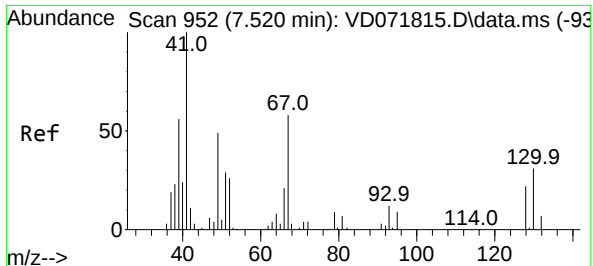
Ion Ratio Lower Upper

113 100

111 83.1 83.8 125.6#

192 0.0 14.6 21.8#

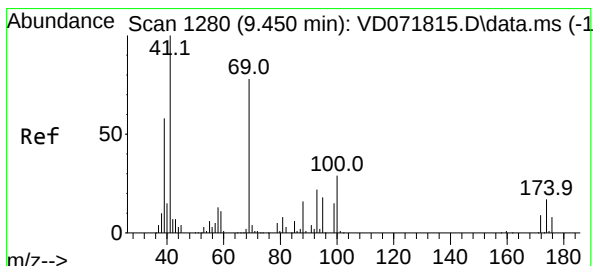
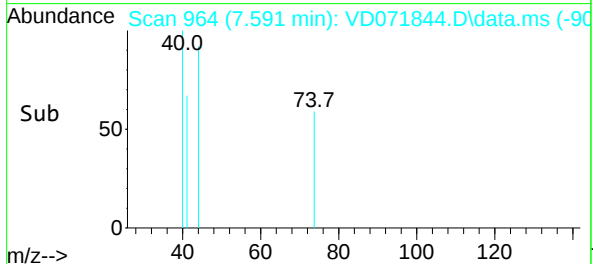
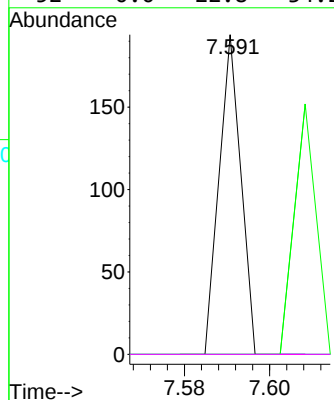
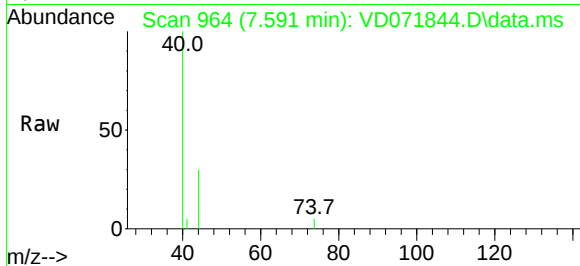




#41
Methacrylonitrile
Concen: 9.090 ug/l
RT: 7.591 min Scan# 90
Delta R.T. 0.070 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

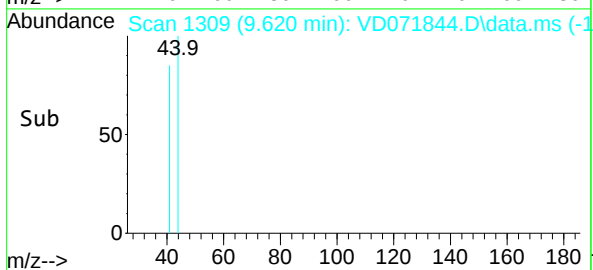
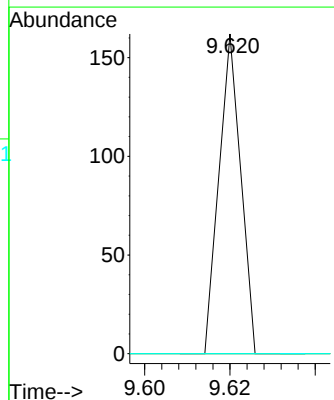
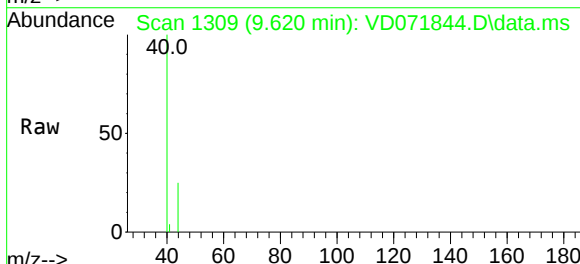
Instrument :
MSVOA_D
ClientSampleId :
TES-1

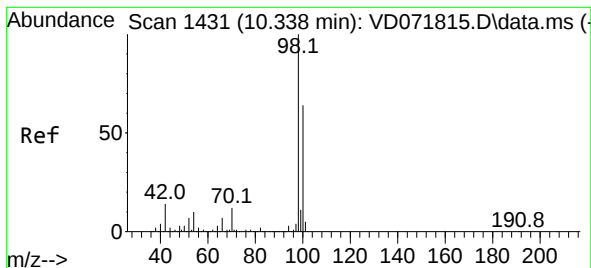
Tgt Ion:	41	Resp:	68
Ion	Ratio	Lower	Upper
41	100		
39	79.4	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#48
Methyl methacrylate
Concen: 4.532 ug/l
RT: 9.620 min Scan# 1309
Delta R.T. 0.170 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

Tgt Ion:	41	Resp:	57
Ion	Ratio	Lower	Upper
41	100		
69	0.0	56.7	85.1#
39	0.0	42.7	64.1#





#50

Toluene-d8

Concen: 42.124 ug/l

RT: 10.344 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD071844.D

Acq: 31 Jan 2022 14:43

Instrument :

MSVOA_D

ClientSampleId :

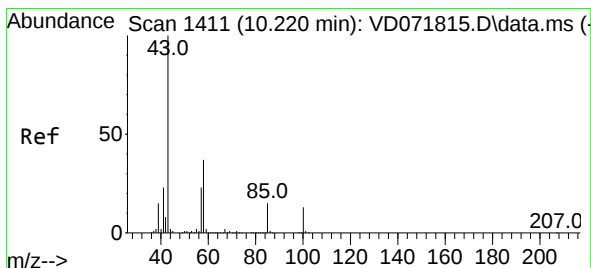
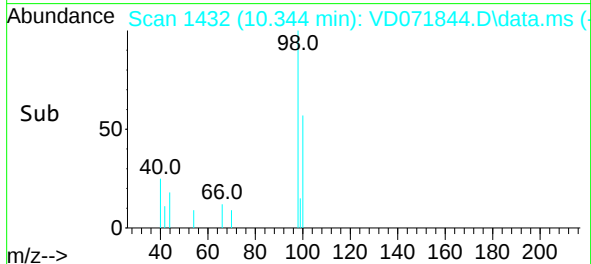
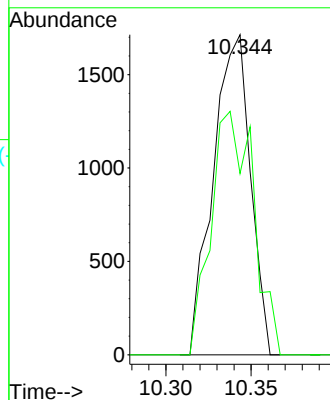
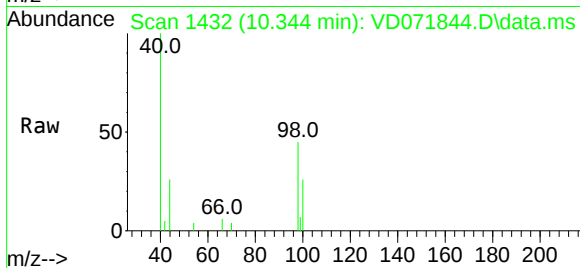
TES-1

Tgt Ion: 98 Resp: 2607

Ion Ratio Lower Upper

98 100

100 86.5 52.4 78.6#



#51

4-Methyl-2-Pentanone

Concen: 4.905 ug/l

RT: 10.238 min Scan# 1414

Delta R.T. 0.012 min

Lab File: VD071844.D

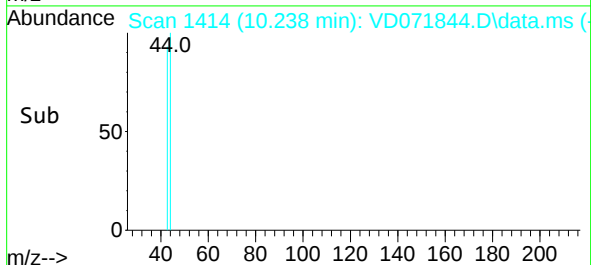
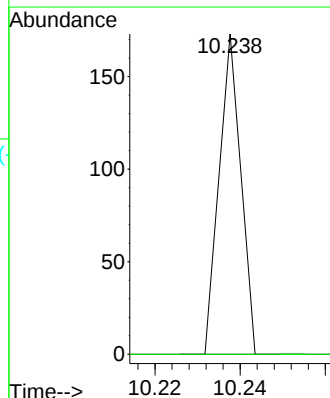
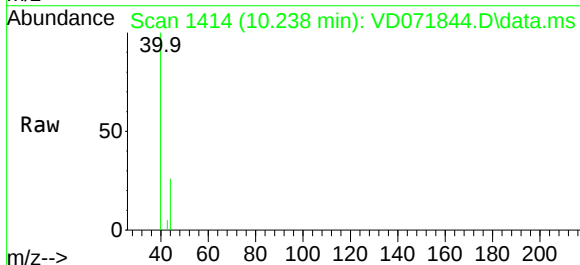
Acq: 31 Jan 2022 14:43

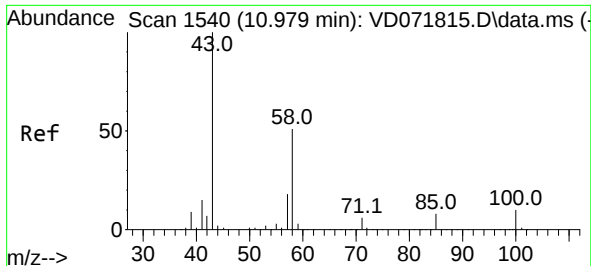
Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#





#59

2-Hexanone

Concen: 6.314 ug/l

RT: 10.832 min Scan# 11

Delta R.T. -0.147 min

Lab File: VD071844.D

Acq: 31 Jan 2022 14:43

Instrument :

MSVOA_D

ClientSampleId :

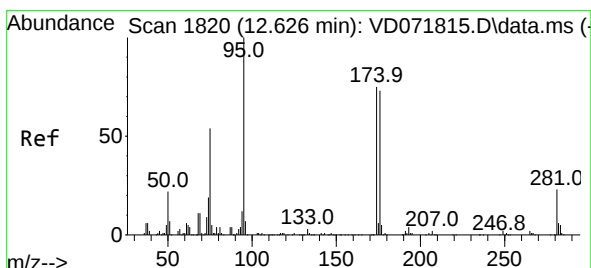
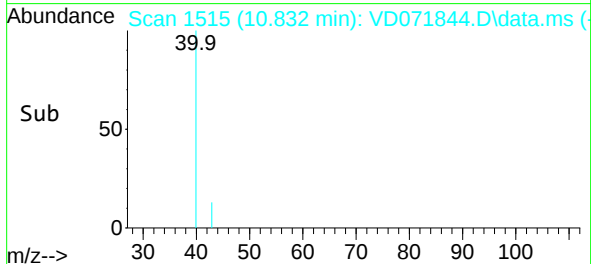
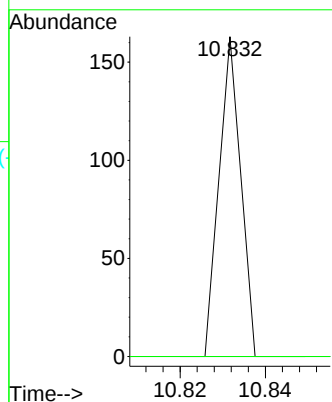
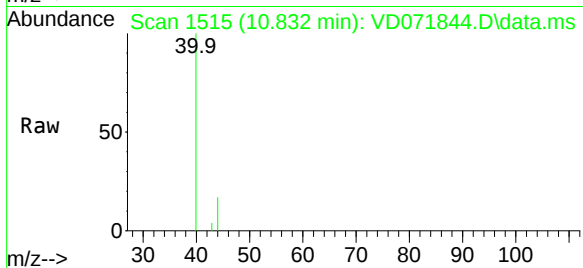
TES-1

Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

58 0.0 25.3 75.9#



#62

4-Bromofluorobenzene

Concen: 8.976 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071844.D

Acq: 31 Jan 2022 14:43

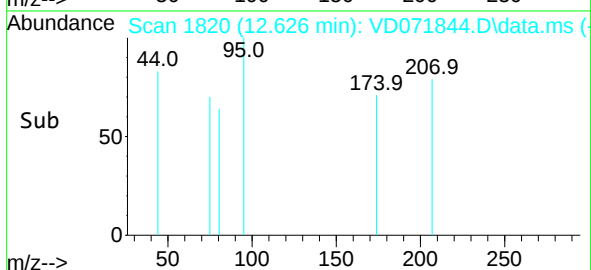
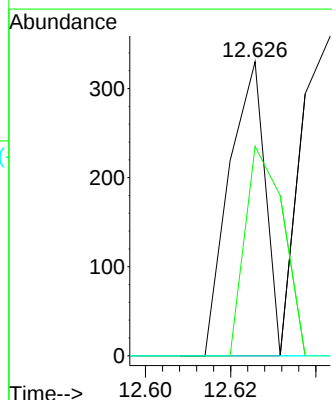
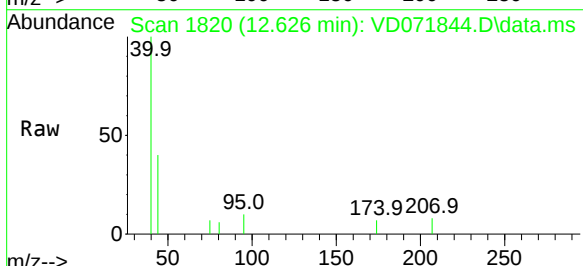
Tgt Ion: 95 Resp: 194

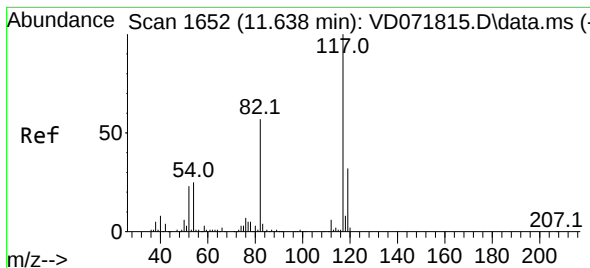
Ion Ratio Lower Upper

95 100

174 75.3 0.0 152.8

176 0.0 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.649 min Scan# 1

Delta R.T. 0.012 min

Lab File: VD071844.D

Acq: 31 Jan 2022 14:43

Instrument :

MSVOA_D

ClientSampleId :

TES-1

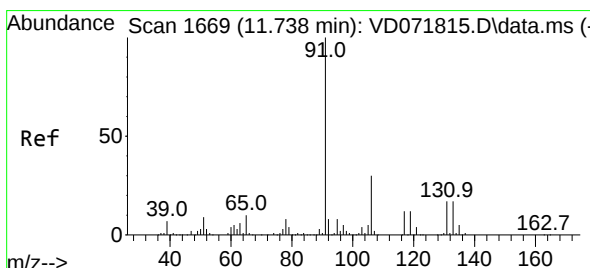
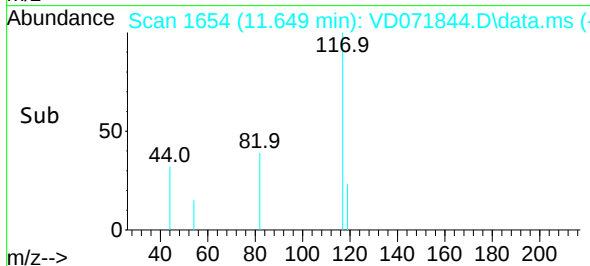
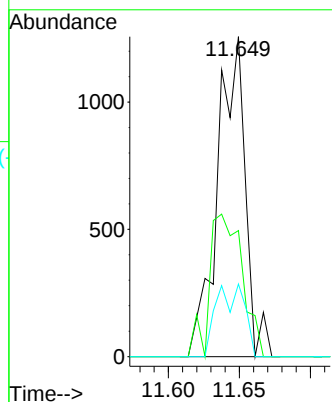
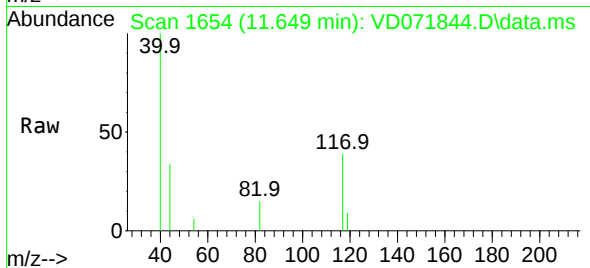
Tgt Ion:117 Resp: 1704

Ion Ratio Lower Upper

117 100

82 39.4 45.3 67.9#

119 22.7 26.6 40.0#



#67

Ethyl Benzene

Concen: 1.146 ug/l

RT: 11.726 min Scan# 1667

Delta R.T. -0.012 min

Lab File: VD071844.D

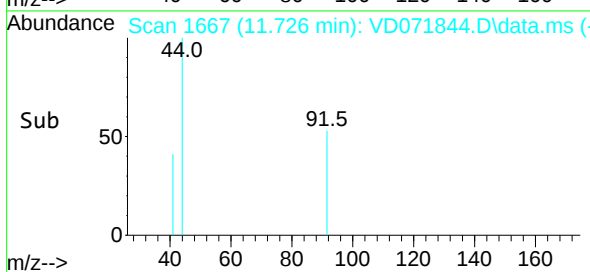
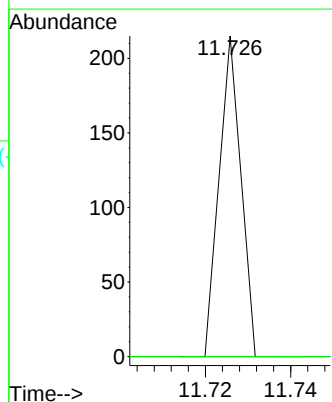
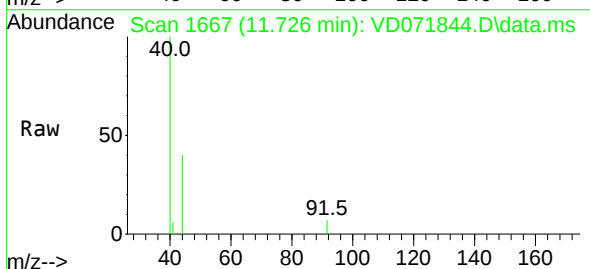
Acq: 31 Jan 2022 14:43

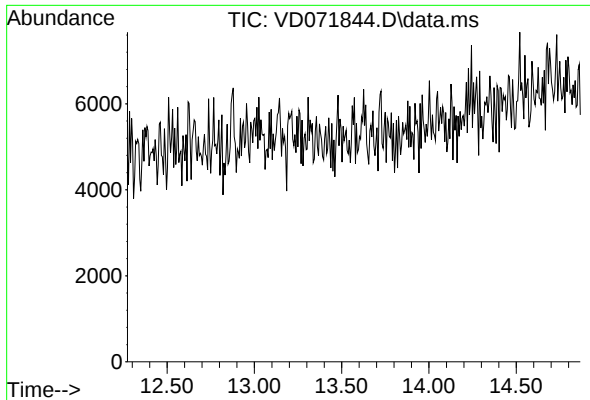
Tgt Ion: 91 Resp: 76

Ion Ratio Lower Upper

91 100

106 0.0 24.2 36.4#





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.57 min
Lab File: VD071844.D
Acq: 31 Jan 2022 14:43

Instrument :
MSVOA_D
ClientSampleId :
TES-1

Tgt Ion: 152
Sig Exp Ratio
152 100
115 62.5
150 174.3

