

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077903.D
 Acq On : 15 Dec 2023 15:02
 Operator : RP/MD
 Sample : 05833-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:02:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

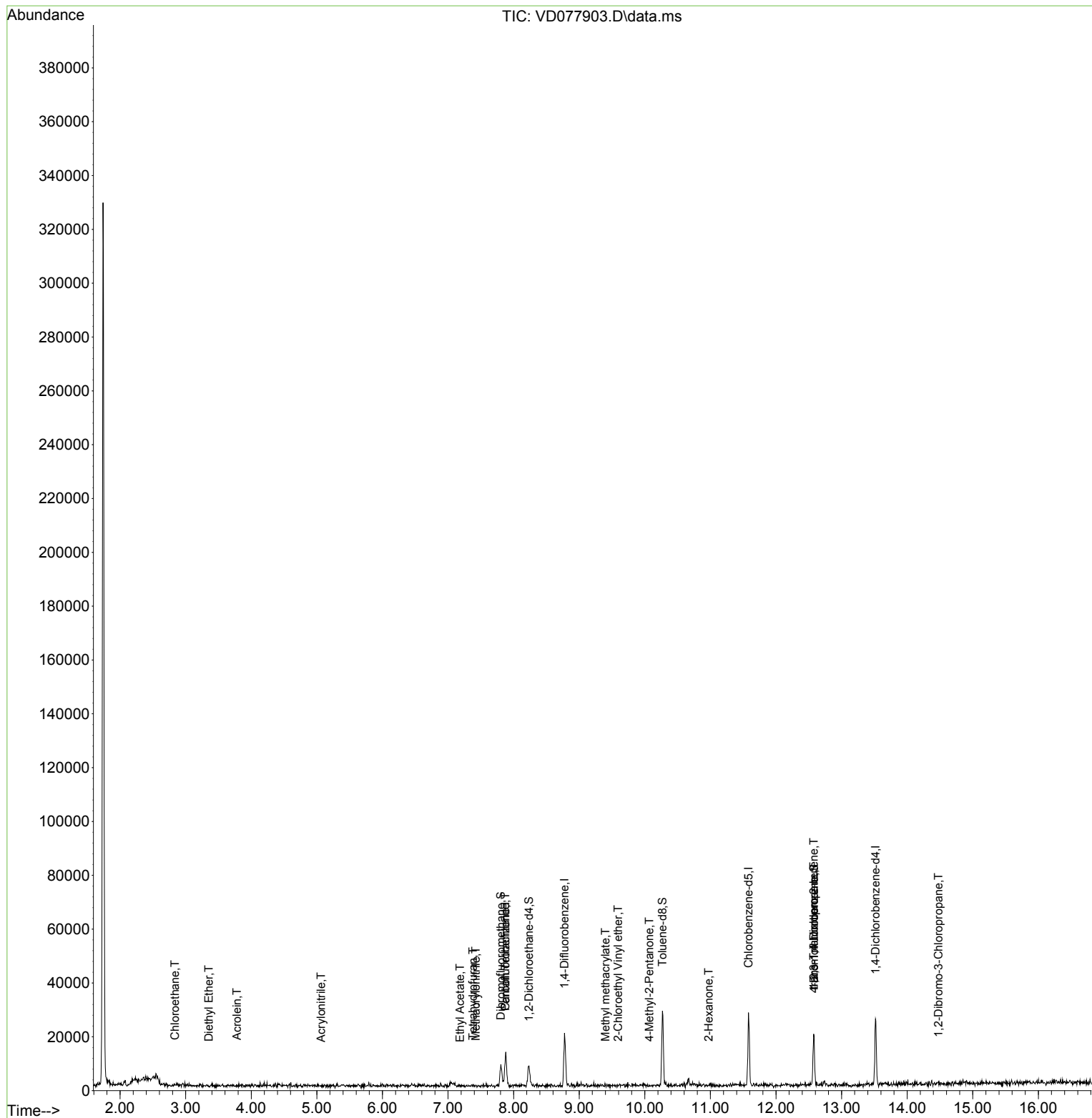
Internal Standards						
1) Pentafluorobenzene	7.875	168	9102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	15824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	15023	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	6217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	5693	53.080	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.160%	
35) Dibromofluoromethane	7.805	113	5263	47.482	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.960%	
50) Toluene-d8	10.269	98	19208	43.267	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 86.540%	
62) 4-Bromofluorobenzene	12.581	95	6286	47.361	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.720%	
Target Compounds						Qvalue
6) Chloroethane	2.834	64	167	1.164	ug/l #	43
8) Diethyl Ether	3.352	74	75	1.378	ug/l #	12
13) Acrolein	3.781	56	55	4.848	ug/l #	15
15) Acrylonitrile	5.064	53	56	2.404	ug/l #	18
16) Acetone	3.999	43	136	Below Cal	#	32
25) 2-Butanone	7.052	43	66	Below Cal	#	37
29) Tetrahydrofuran	7.381	42	58	3.396	ug/l #	21
37) Ethyl Acetate	7.181	43	186	2.691	ug/l #	62
38) Carbon Tetrachloride	7.875	117	831	4.701	ug/l #	11
41) Methacrylonitrile	7.422	41	77	2.191	ug/l #	23
48) Methyl methacrylate	9.399	41	82	1.174	ug/l #	12
51) 4-Methyl-2-Pentanone	10.069	43	119	1.897	ug/l #	28
58) 2-Chloroethyl Vinyl ether	9.593	63	54	1.213	ug/l #	43
59) 2-Hexanone	10.975	43	71	1.364	ug/l #	16
65) Chlorobenzene	11.798	112	68	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	3168	58.672	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	3168	118.874	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.475	75	64	4.485	ug/l #	1

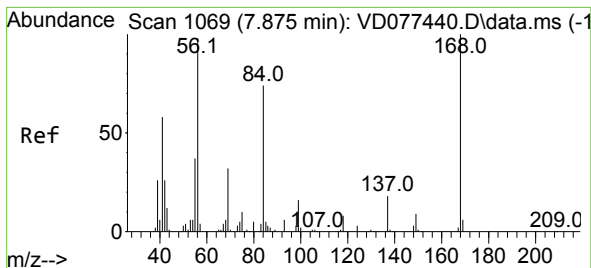
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077903.D

Acq: 15 Dec 2023 15:02

Instrument :

MSVOA_D

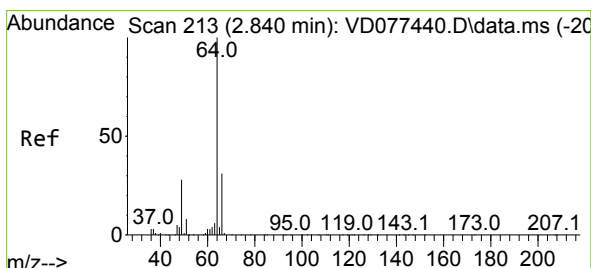
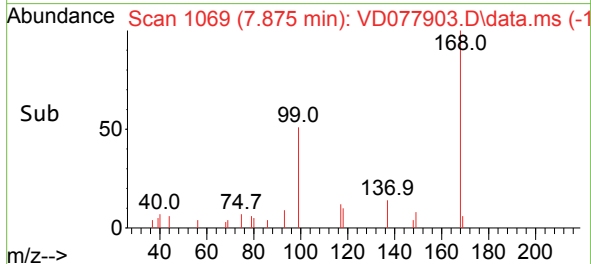
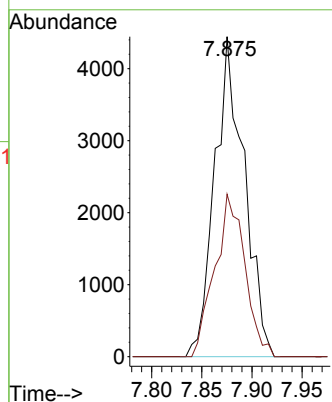
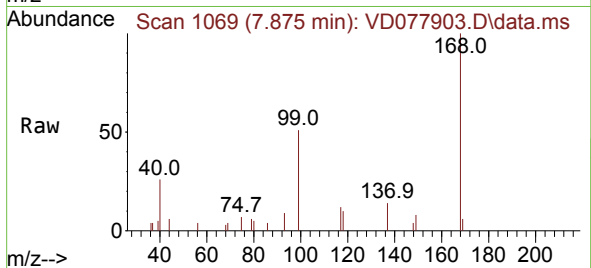
ClientSampleId :

Tgt Ion:168 Resp: 9102

Ion Ratio Lower Upper

168 100

99 50.7 36.7 55.1



#6

Chloroethane

Concen: 1.164 ug/l

RT: 2.834 min Scan# 212

Delta R.T. -0.006 min

Lab File: VD077903.D

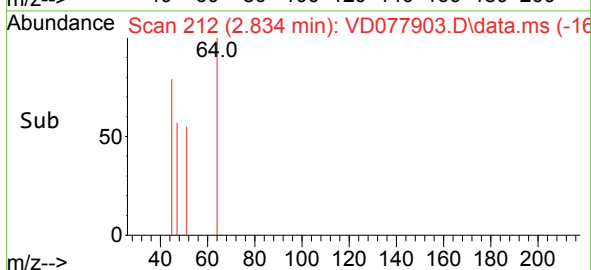
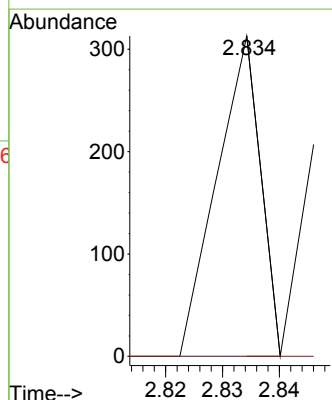
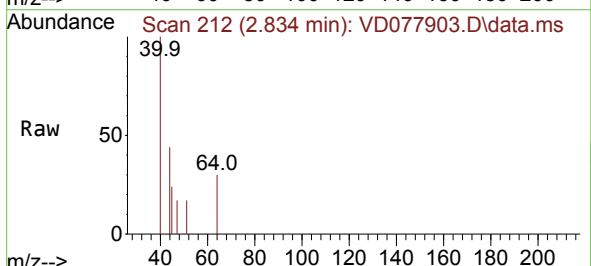
Acq: 15 Dec 2023 15:02

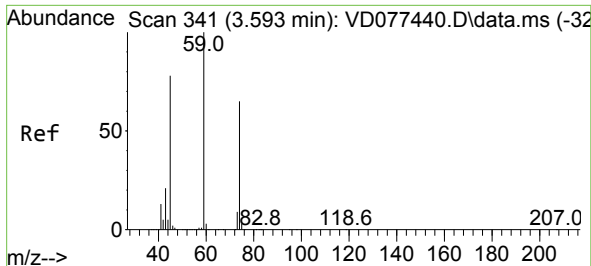
Tgt Ion: 64 Resp: 167

Ion Ratio Lower Upper

64 100

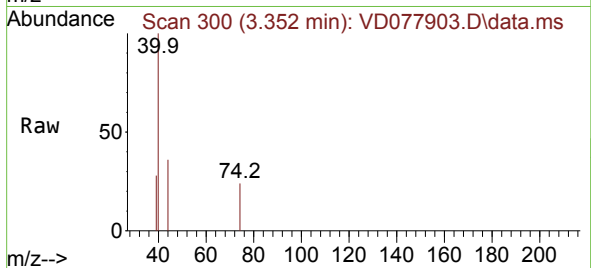
66 0.0 25.5 38.3#



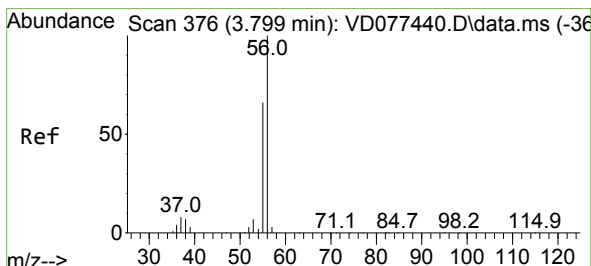
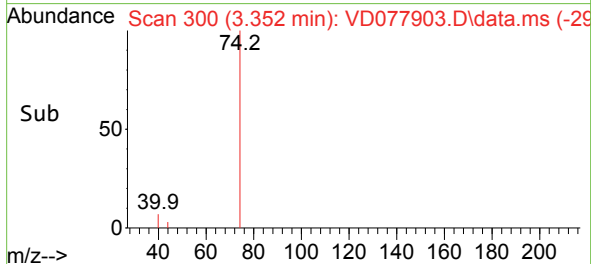
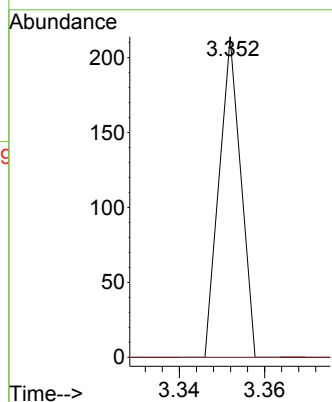


#8
Diethyl Ether
Concen: 1.378 ug/l
RT: 3.352 min Scan# 30
Delta R.T. -0.241 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Instrument :
MSVOA_D
ClientSampleId :

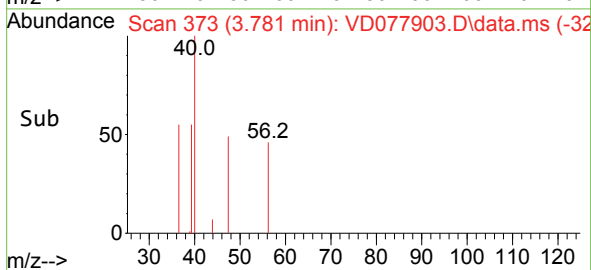
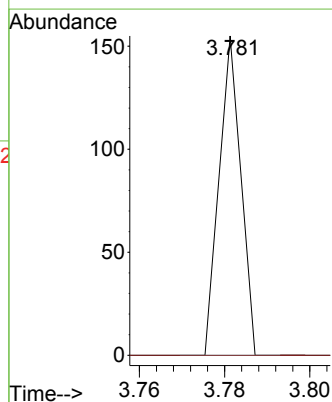
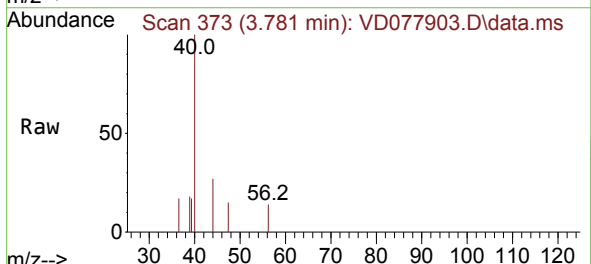


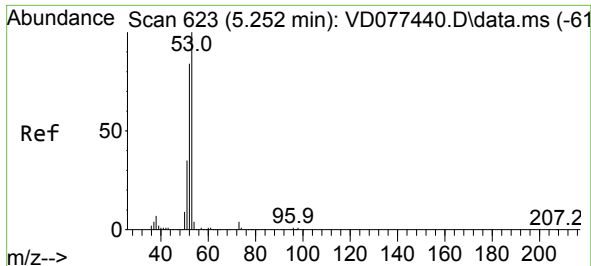
Tgt Ion: 74 Resp: 75
Ion Ratio Lower Upper
74 100
45 0.0 37.5 112.7#



#13
Acrolein
Concen: 4.848 ug/l
RT: 3.781 min Scan# 373
Delta R.T. -0.018 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

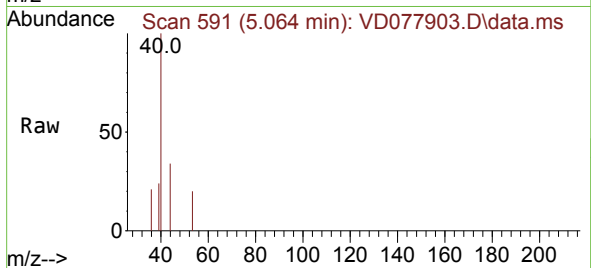
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



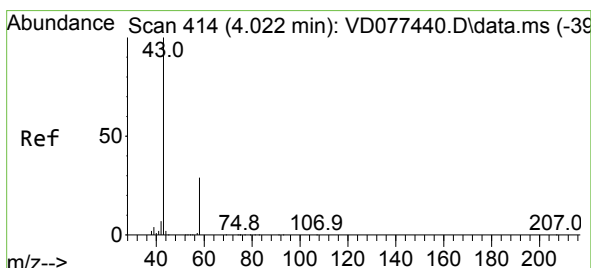
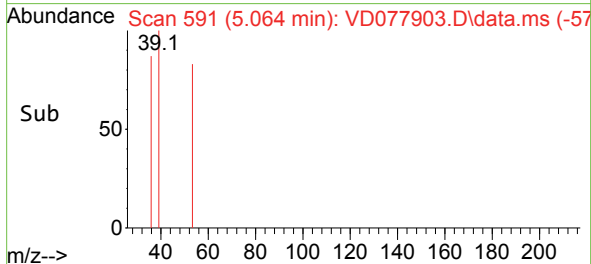
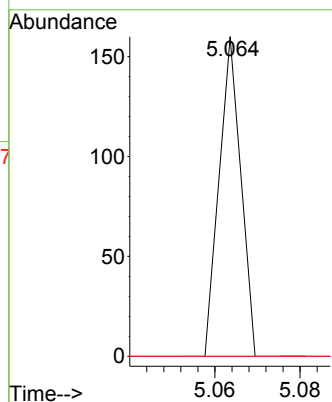


#15
Acrylonitrile
Concen: 2.404 ug/l
RT: 5.064 min Scan# 51
Delta R.T. -0.188 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Instrument :
MSVOA_D
ClientSampleId :

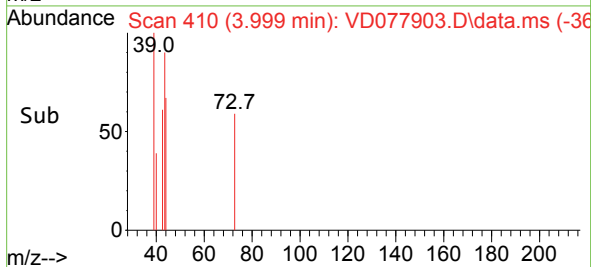
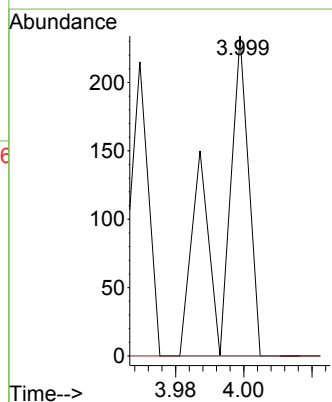
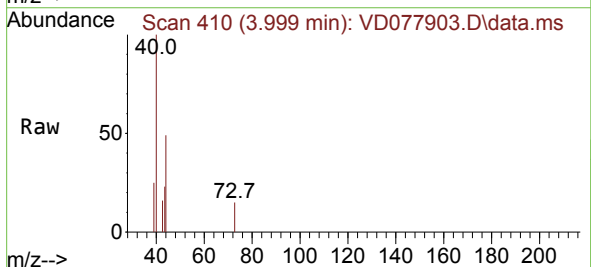


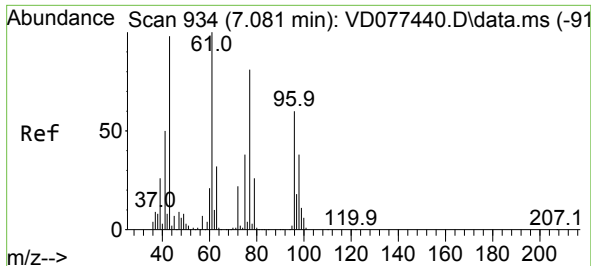
Tgt Ion: 53 Resp: 56
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#



#16
Acetone
Concen: Below Cal
RT: 3.999 min Scan# 410
Delta R.T. -0.023 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

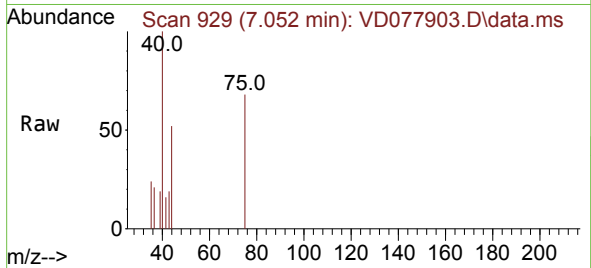
Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



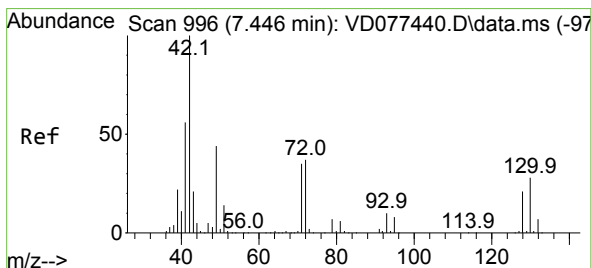
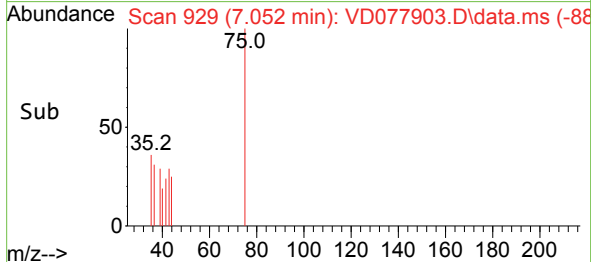
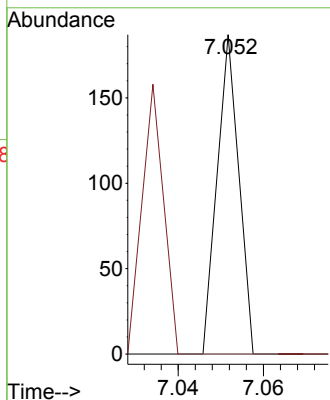


#25
2-Butanone
Concen: Below Cal
RT: 7.052 min Scan# 91
Delta R.T. -0.029 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Instrument :
MSVOA_D
ClientSampleId :

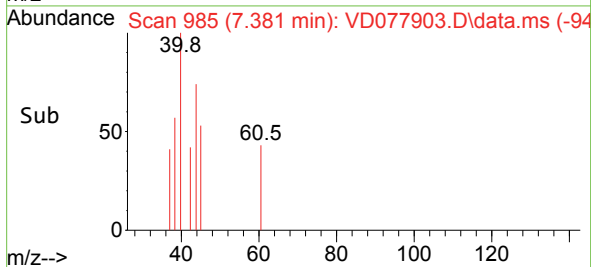
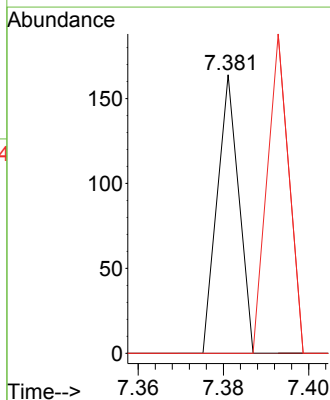
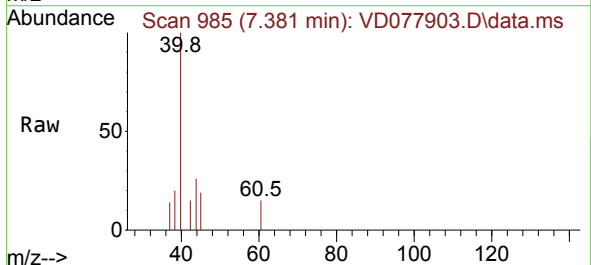


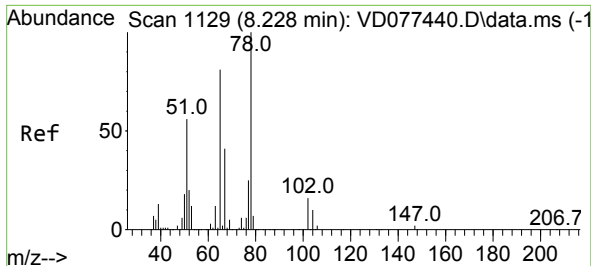
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#29
Tetrahydrofuran
Concen: 3.396 ug/l
RT: 7.381 min Scan# 985
Delta R.T. -0.065 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Tgt Ion: 42 Resp: 58
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 113.8 44.5 66.7#





#33

1,2-Dichloroethane-d4

Concen: 53.080 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

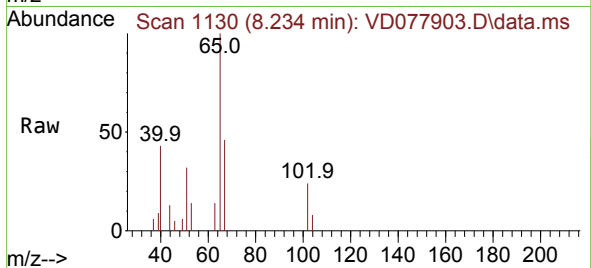
Lab File: VD077903.D

Acq: 15 Dec 2023 15:02

Instrument :

MSVOA_D

ClientSampleId :

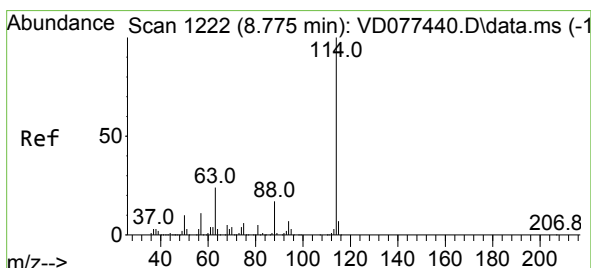
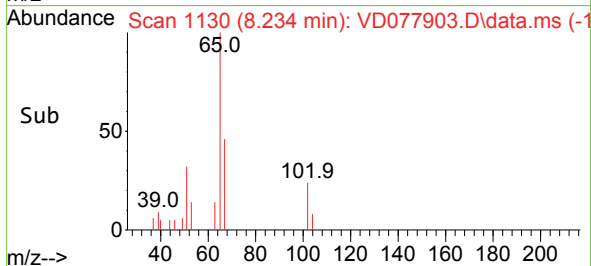
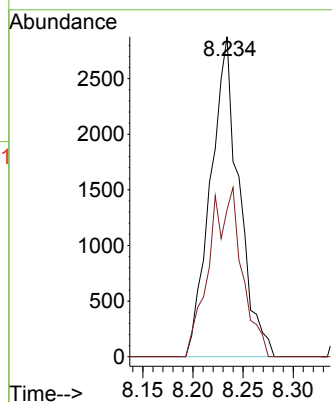


Tgt Ion: 65 Resp: 5693

Ion Ratio Lower Upper

65 100

67 60.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077903.D

Acq: 15 Dec 2023 15:02

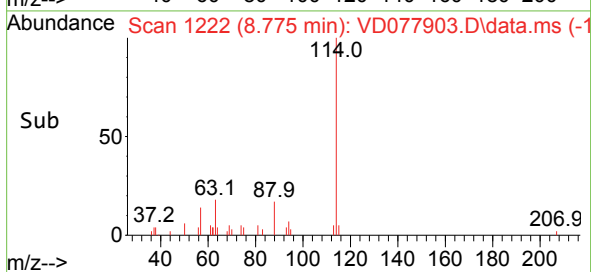
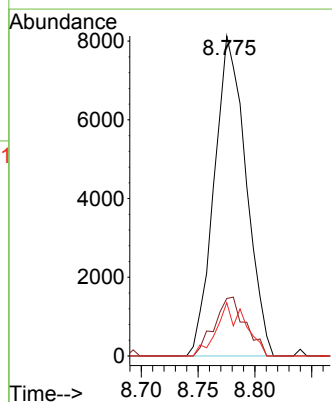
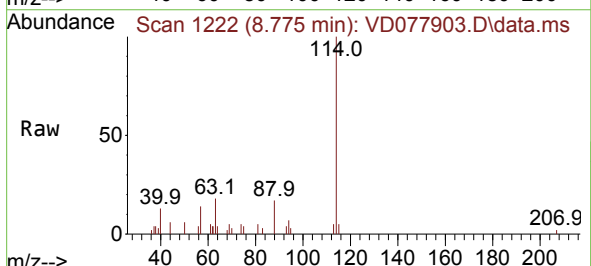
Tgt Ion: 114 Resp: 15824

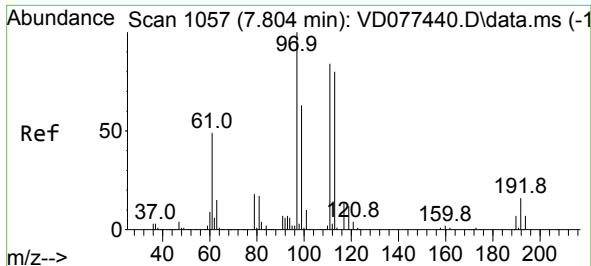
Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.4

88 16.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 47.482 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

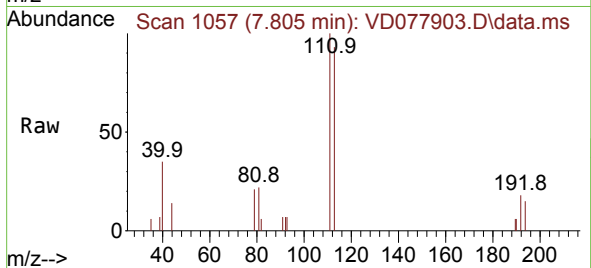
Lab File: VD077903.D

Acq: 15 Dec 2023 15:02

Instrument :

MSVOA_D

ClientSampleId :



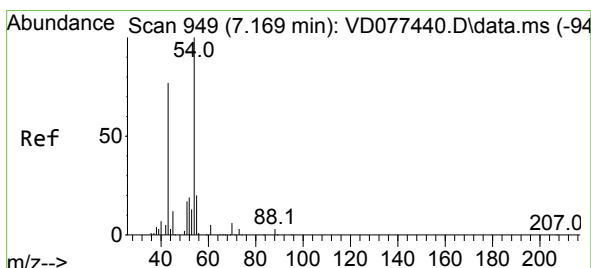
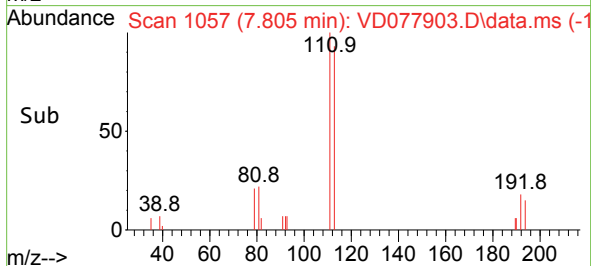
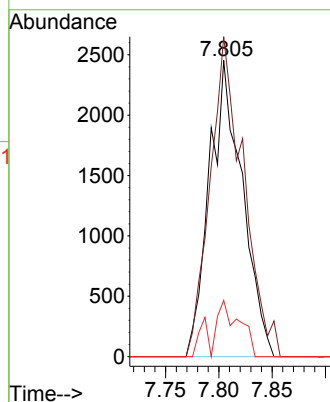
Tgt Ion:113 Resp: 5263

Ion Ratio Lower Upper

113 100

111 109.7 84.7 127.1

192 12.7 16.8 25.2#



#37

Ethyl Acetate

Concen: 2.691 ug/l

RT: 7.181 min Scan# 951

Delta R.T. 0.012 min

Lab File: VD077903.D

Acq: 15 Dec 2023 15:02

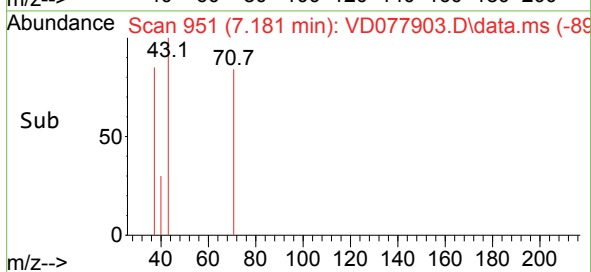
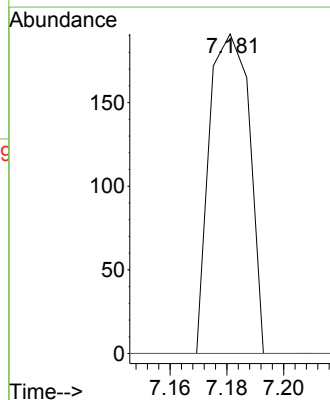
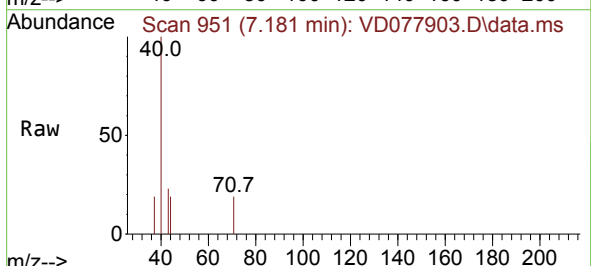
Tgt Ion: 43 Resp: 186

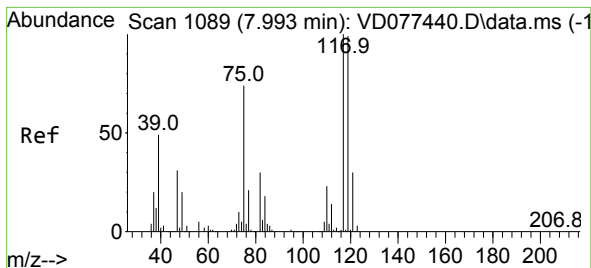
Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

70 0.0 10.0 15.0#





#38

Carbon Tetrachloride

Concen: 4.701 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

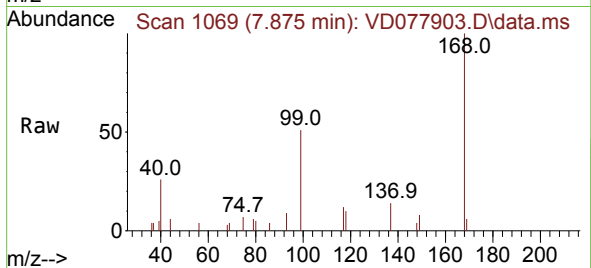
Lab File: VD077903.D

Acq: 15 Dec 2023 15:02

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MSVOA_D

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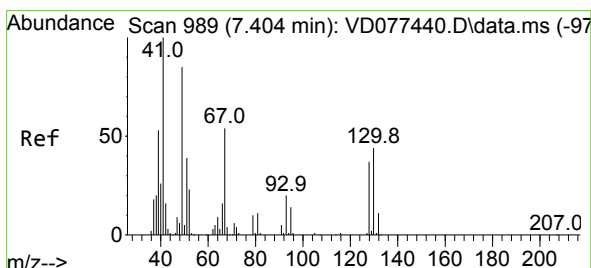
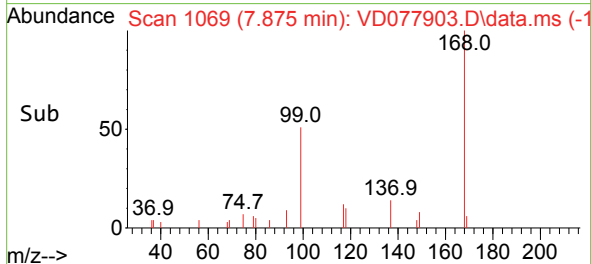
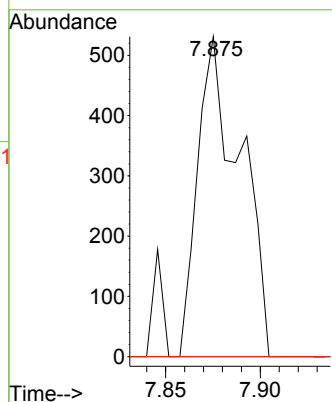
Tgt Ion:117 Resp: 831

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#



#41

Methacrylonitrile

Concen: 2.191 ug/l

RT: 7.422 min Scan# 992

Delta R.T. 0.018 min

Lab File: VD077903.D

Acq: 15 Dec 2023 15:02

Tgt Ion: 41 Resp: 77

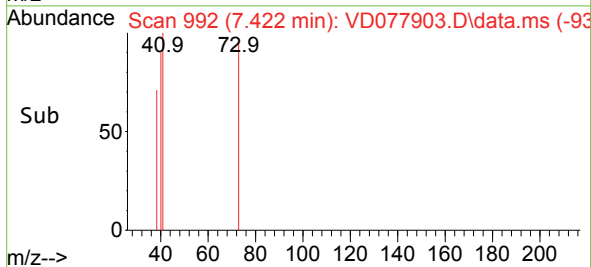
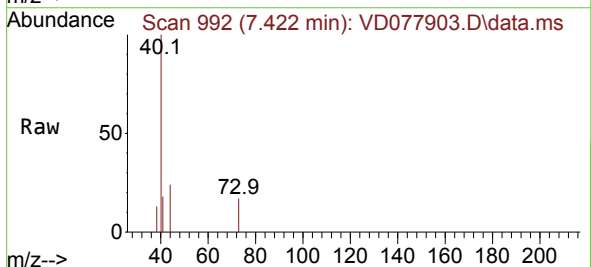
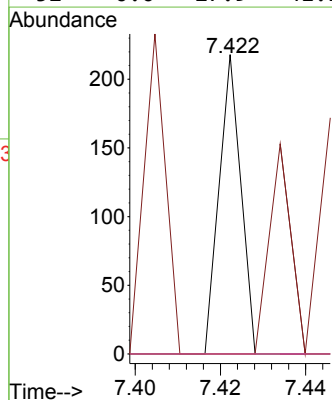
Ion Ratio Lower Upper

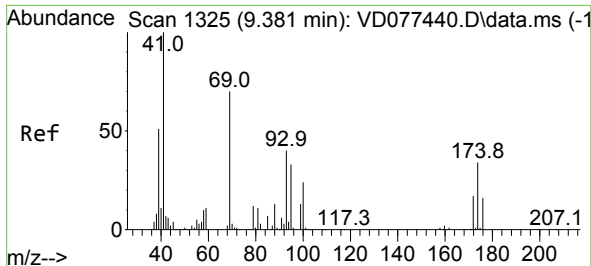
41 100

39 70.1 34.0 51.0#

67 0.0 77.0 115.4#

52 0.0 27.9 41.9#





#48

Methyl methacrylate

Concen: 1.174 ug/l

RT: 9.399 min Scan# 11

Delta R.T. 0.018 min

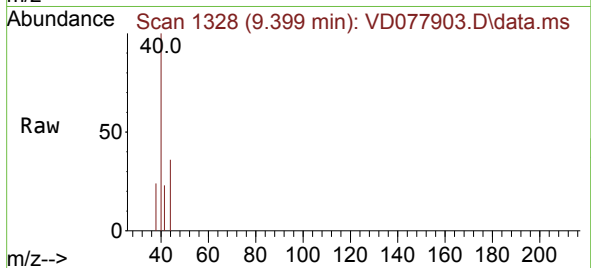
Lab File: VD077903.D

Acq: 15 Dec 2023 15:02

Instrument :

MSVOA_D

ClientSampleId :



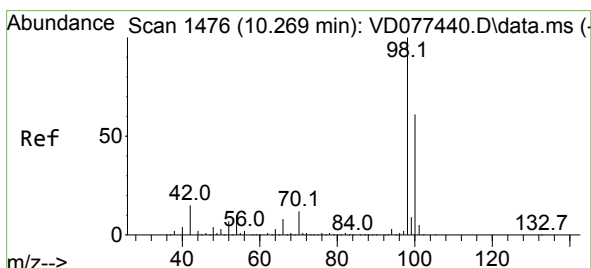
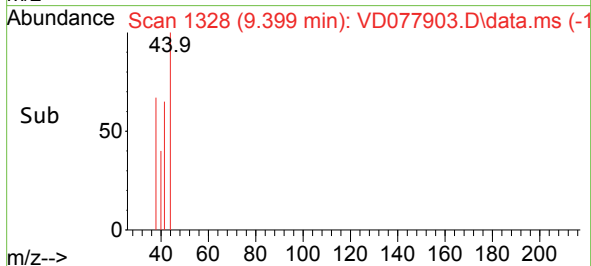
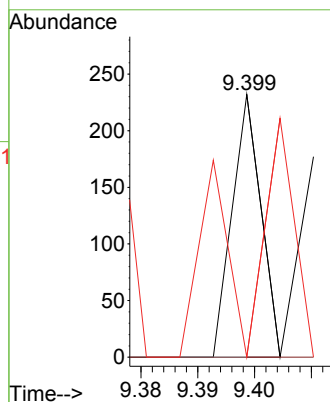
Tgt Ion: 41 Resp: 82

Ion Ratio Lower Upper

41 100

69 0.0 102.2 153.2#

39 74.4 41.4 62.2#



#50

Toluene-d8

Concen: 43.267 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077903.D

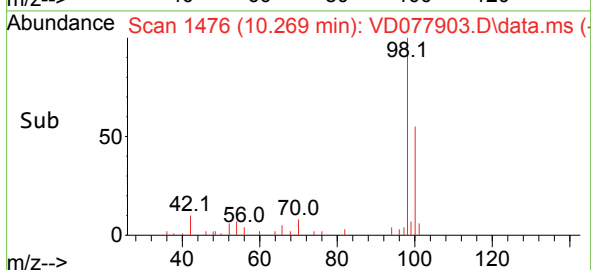
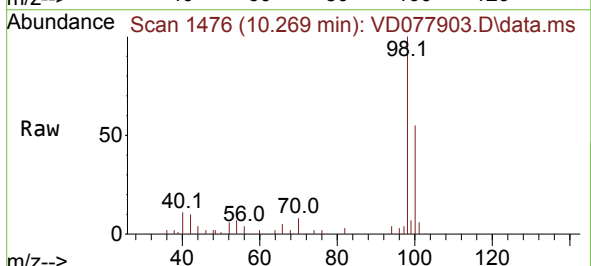
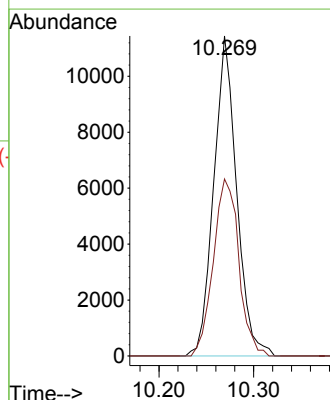
Acq: 15 Dec 2023 15:02

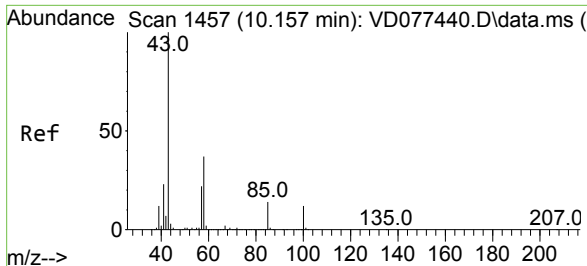
Tgt Ion: 98 Resp: 19208

Ion Ratio Lower Upper

98 100

100 61.7 50.3 75.5

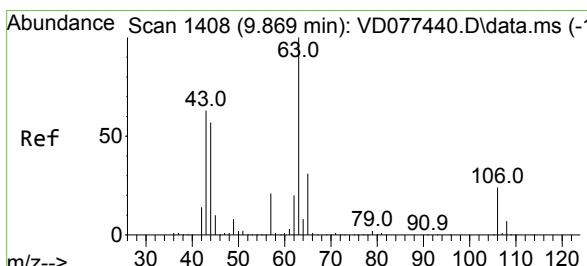
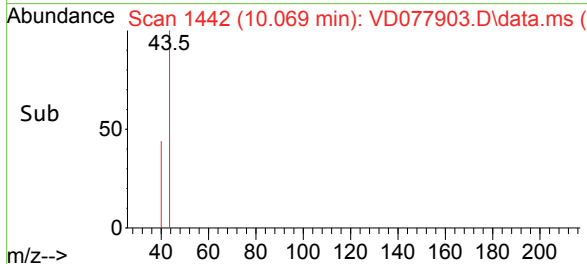
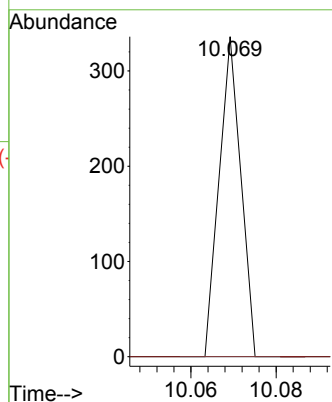
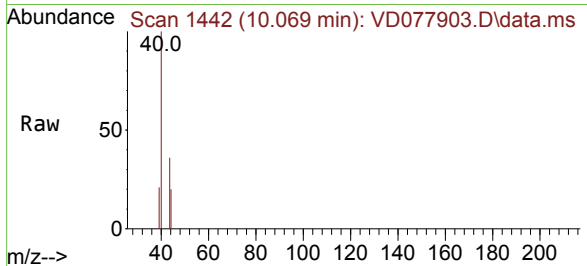




#51
4-Methyl-2-Pentanone
Concen: 1.897 ug/l
RT: 10.069 min Scan# 1457
Delta R.T. -0.088 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

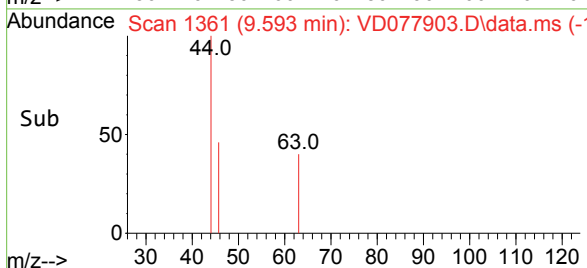
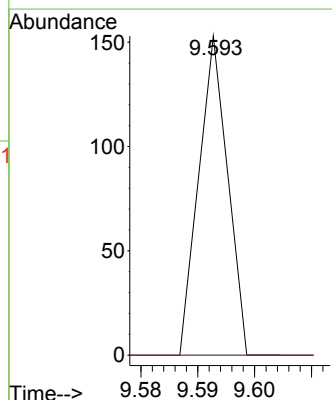
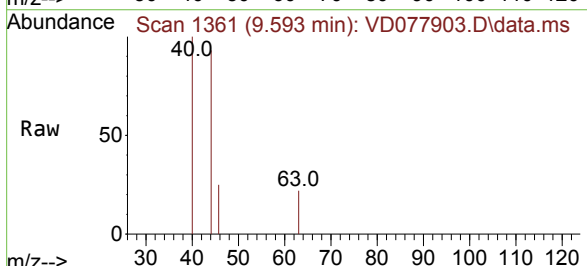
Instrument :
MSVOA_D
ClientSampleId :

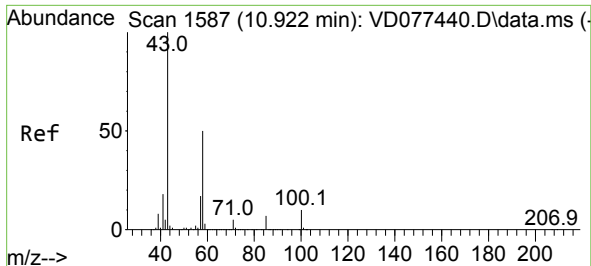
Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#



#58
2-Chloroethyl Vinyl ether
Concen: 1.213 ug/l
RT: 9.593 min Scan# 1361
Delta R.T. -0.276 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

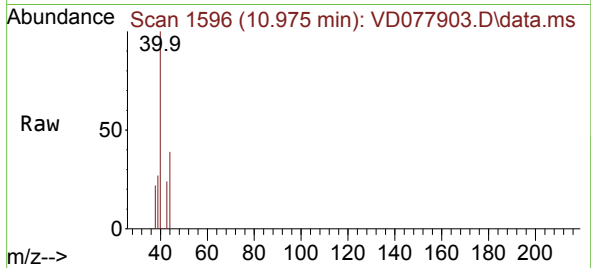
Tgt Ion: 63 Resp: 54
Ion Ratio Lower Upper
63 100
106 0.0 25.3 37.9#



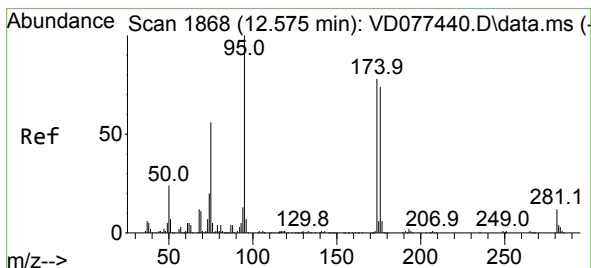
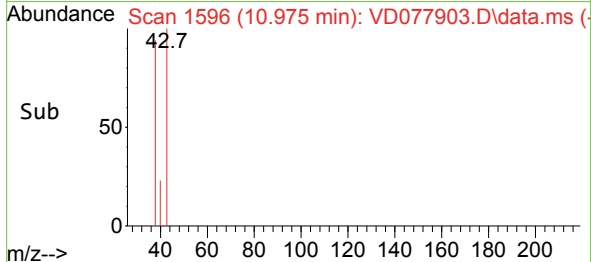
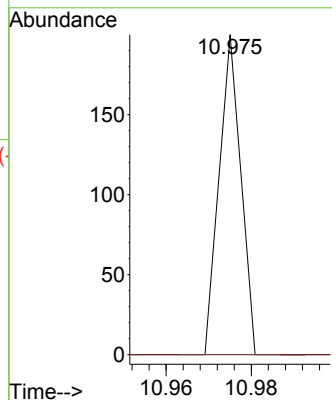


#59
2-Hexanone
Concen: 1.364 ug/l
RT: 10.975 min Scan# 1596
Delta R.T. 0.053 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Instrument :
MSVOA_D
ClientSampleId :

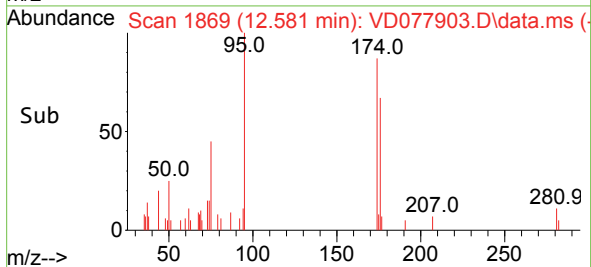
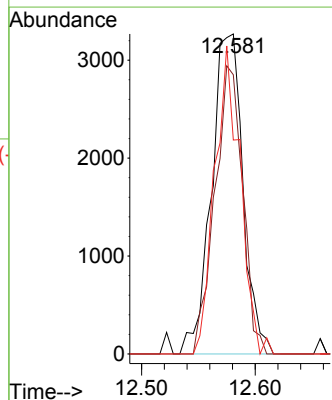
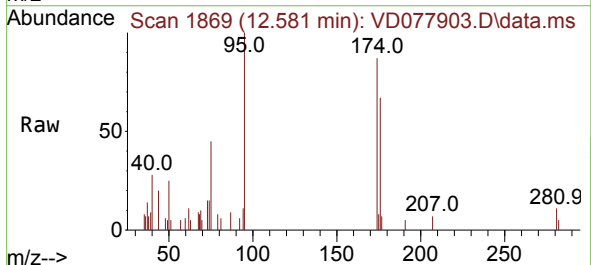


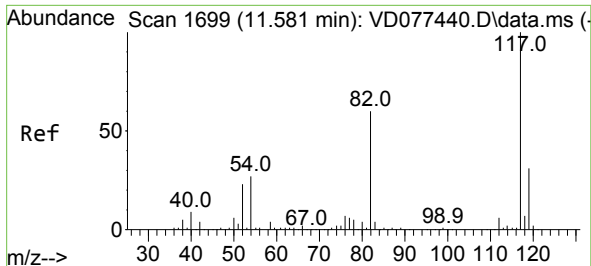
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#



#62
4-Bromofluorobenzene
Concen: 47.361 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Tgt Ion: 95 Resp: 6286
Ion Ratio Lower Upper
95 100
174 79.8 0.0 201.8
176 78.1 0.0 191.8

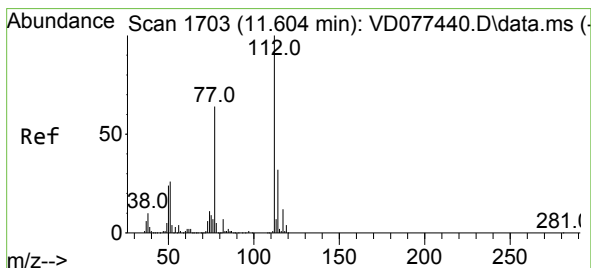
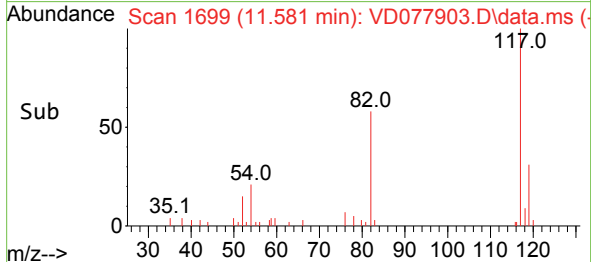
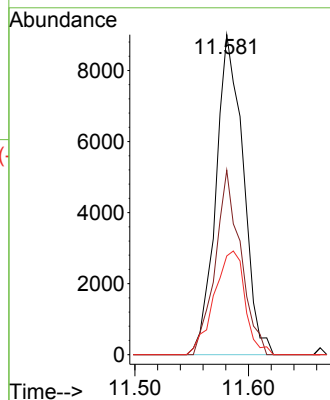
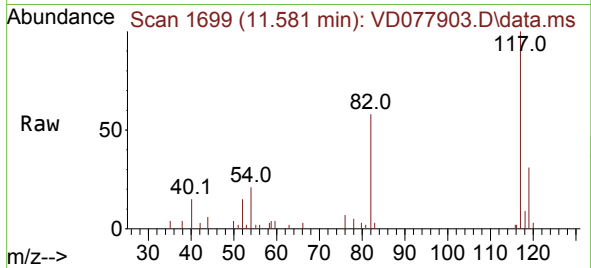




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

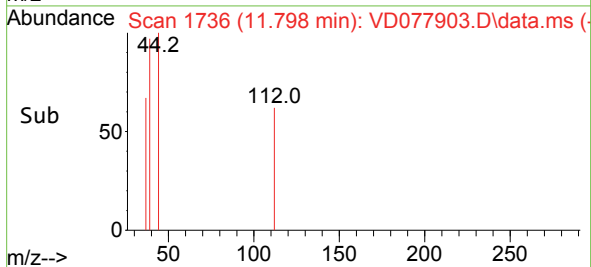
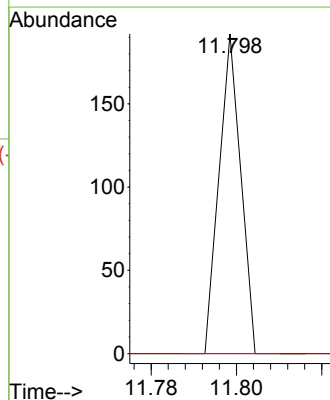
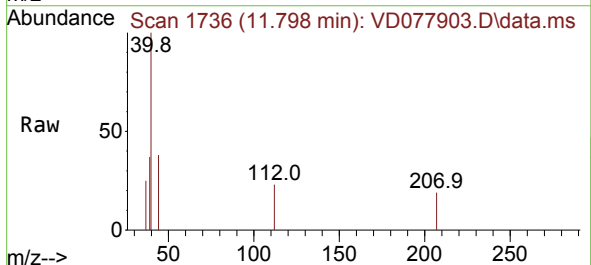
Instrument :
MSVOA_D
ClientSampleId :

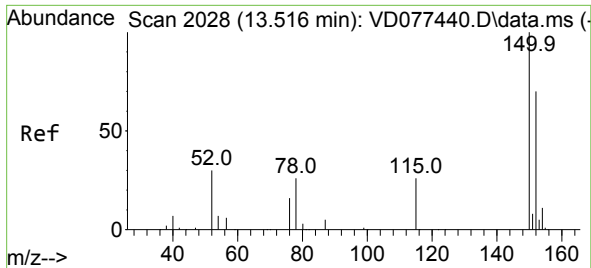
Tgt Ion:117 Resp: 15023
Ion Ratio Lower Upper
117 100
82 57.7 38.3 57.5#
119 30.9 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.798 min Scan# 1736
Delta R.T. 0.194 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Tgt Ion:112 Resp: 68
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#

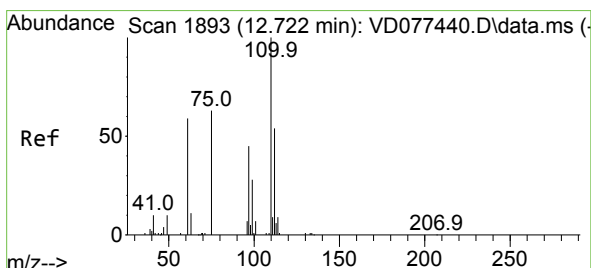
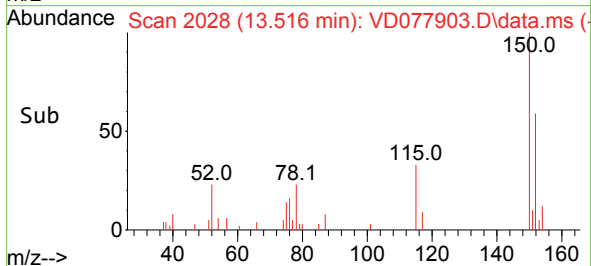
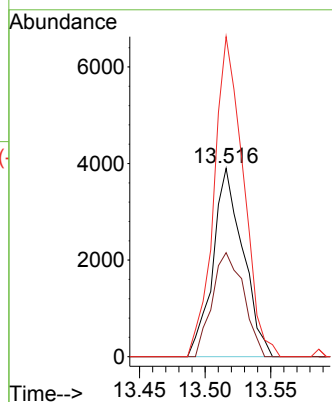
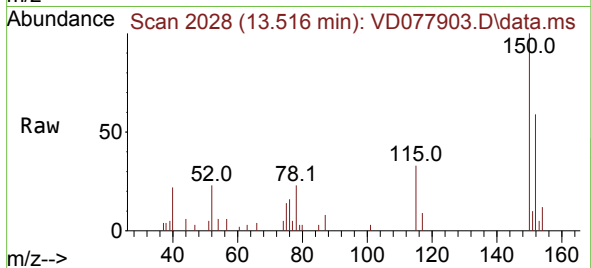




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077903.D
 Acq: 15 Dec 2023 15:02

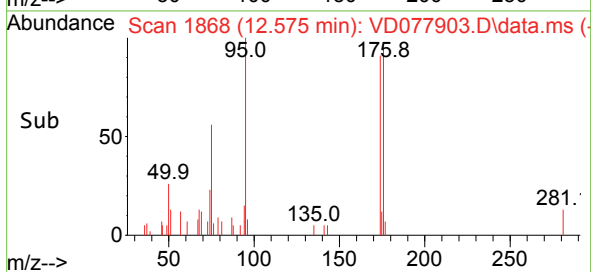
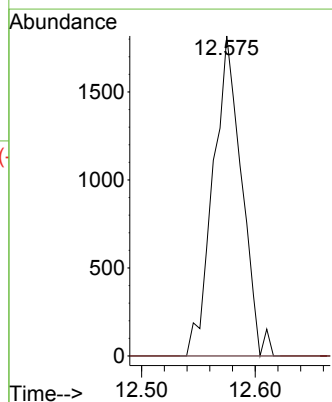
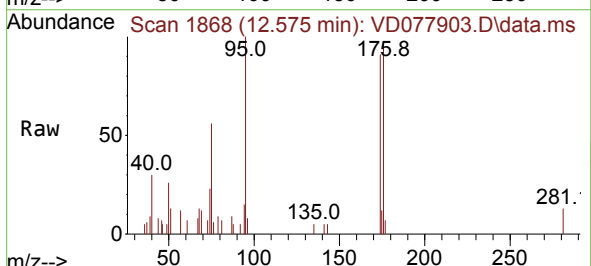
Instrument :
 MSVOA_D
 ClientSampleId :

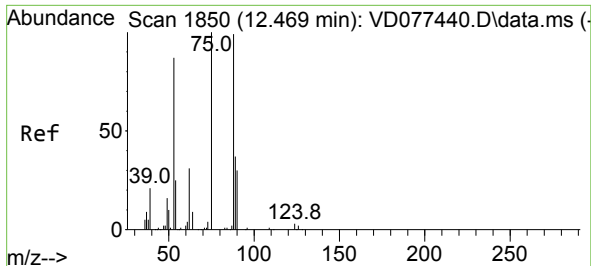
Tgt Ion:152 Resp: 6217
 Ion Ratio Lower Upper
 152 100
 115 57.7 27.1 81.3
 150 166.2 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 58.672 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077903.D
 Acq: 15 Dec 2023 15:02

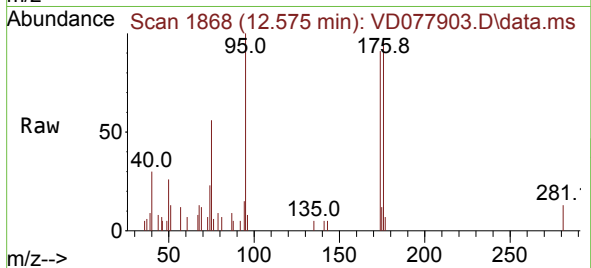
Tgt Ion: 75 Resp: 3168
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



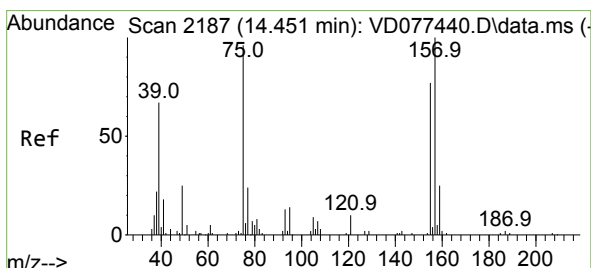
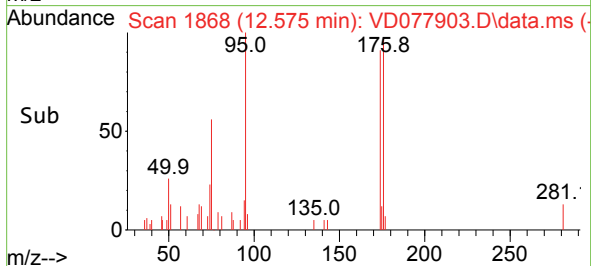
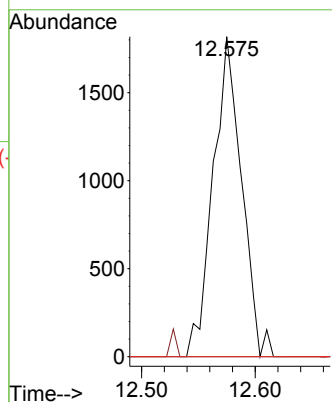


#81
trans-1,4-Dichloro-2-butene
Concen: 118.874 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.485 ug/l
RT: 14.475 min Scan# 2191
Delta R.T. 0.024 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	47.9	143.8#
157	0.0	59.9	179.7#

