

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080222\
 Data File : VD073927.D
 Acq On : 02 Aug 2022 15:27
 Operator : VA/SY
 Sample : N3990-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-080122

Quant Time: Aug 03 04:13:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

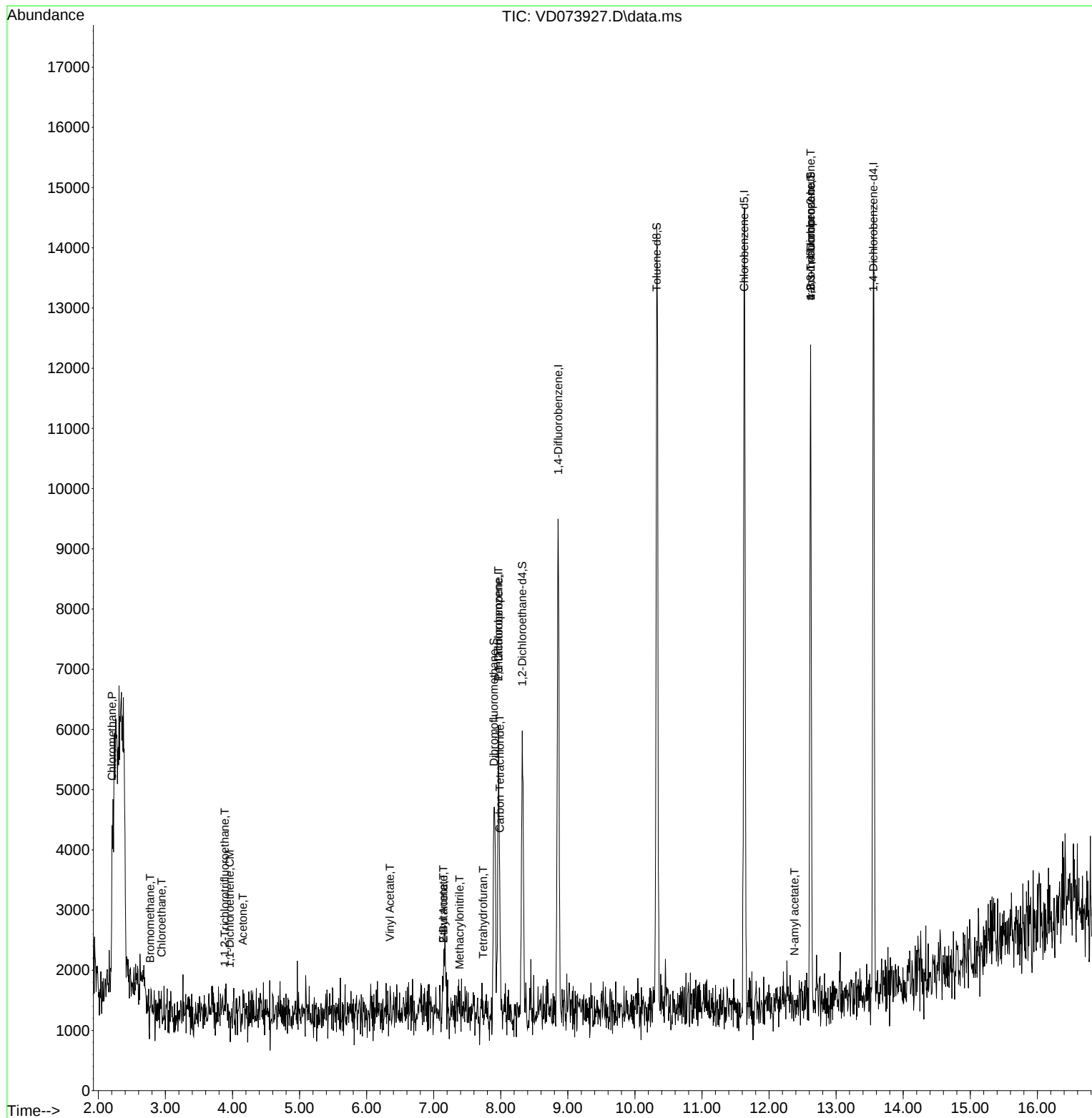
Internal Standards						
1) Pentafluorobenzene	7.967	168	3609	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	7446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	7861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	3611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	3449	122.880	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	245.760%#
35) Dibromofluoromethane	7.897	113	2669	57.692	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.380%
50) Toluene-d8	10.326	98	9249	59.351	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	118.700%
62) 4-Bromofluorobenzene	12.620	95	3900	68.054	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	136.100%
Target Compounds						
						Qvalue
3) Chloromethane	2.203	50	330	7.196	ug/l	# 40
5) Bromomethane	2.773	94	116	2.905	ug/l	# 4
6) Chloroethane	2.944	64	53	1.333	ug/l	# 42
9) 1,1,2-Trichlorotrifluo...	3.885	101	66	1.837	ug/l	# 20
12) 1,1-Dichloroethene	3.962	96	56	1.759	ug/l	# 1
16) Acetone	4.156	43	206	36.009	ug/l	# 46
20) Methylene Chloride	4.967	84	132	Below Cal	#	72
23) Vinyl Acetate	6.350	43	56	1.134	ug/l	# 69
25) 2-Butanone	7.144	43	64	7.266	ug/l	# 46
29) Tetrahydrofuran	7.738	42	60	11.658	ug/l	# 30
36) 1,1-Dichloropropene	7.967	75	130	1.973	ug/l	# 41
37) Ethyl Acetate	7.144	43	64	2.608	ug/l	# 66
38) Carbon Tetrachloride	7.985	117	163	2.208	ug/l	# 11
41) Methacrylonitrile	7.385	41	54	3.812	ug/l	# 21
74) N-amyl acetate	12.379	43	56	1.123	ug/l	# 41
76) 1,2,3-Trichloropropane	12.620	75	1938	72.499	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	1938	153.975	ug/l	# 13

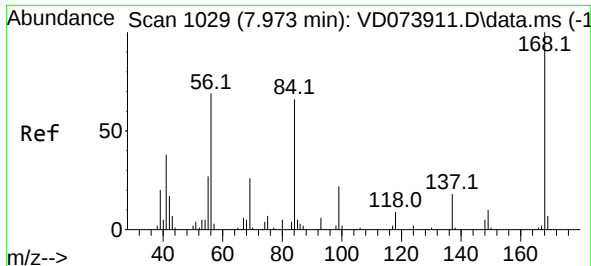
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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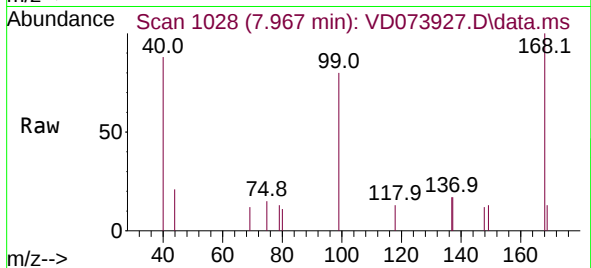
Quant Time: Aug 03 04:13:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
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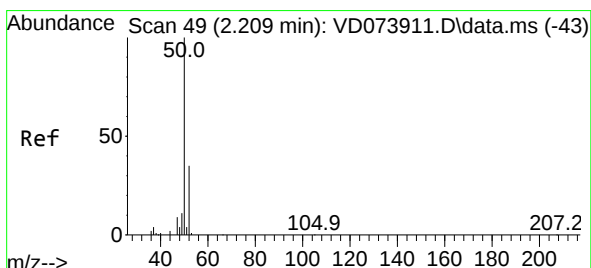
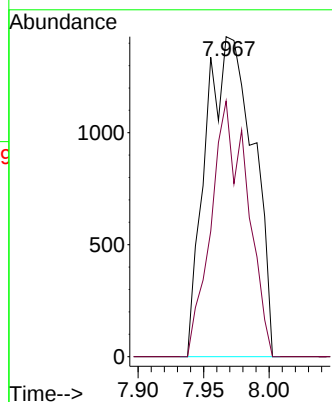
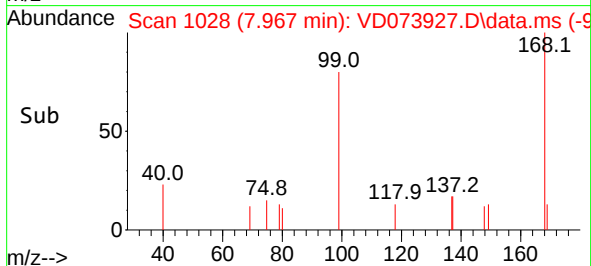


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073927.D
Acq: 02 Aug 2022 15:27

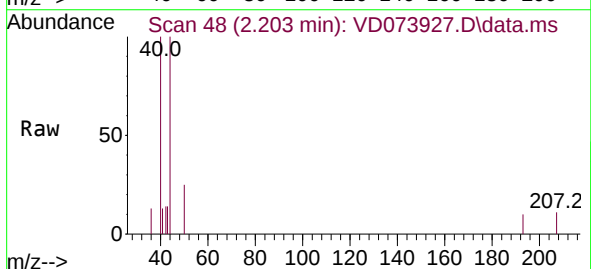
Instrument :
MSVOA_D
ClientSampleId :
HR-01-080122



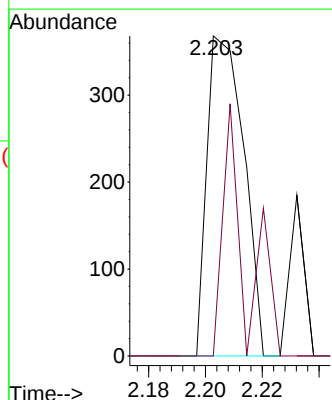
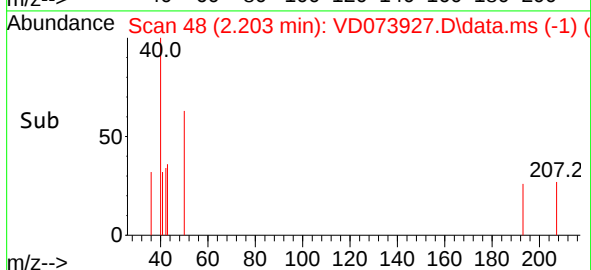
Tgt Ion:168 Resp: 3609
Ion Ratio Lower Upper
168 100
99 79.9 52.2 78.4#

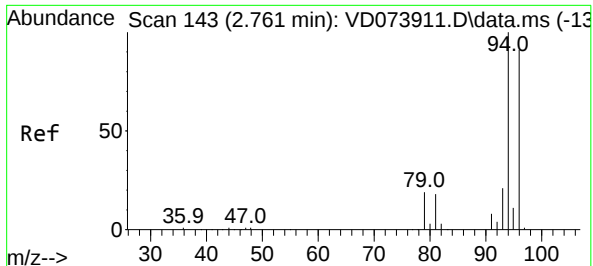


#3
Chloromethane
Concen: 7.196 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073927.D
Acq: 02 Aug 2022 15:27



Tgt Ion: 50 Resp: 330
Ion Ratio Lower Upper
50 100
52 0.0 28.2 42.2#





#5

Bromomethane

Concen: 2.905 ug/l

RT: 2.773 min Scan# 14

Delta R.T. 0.012 min

Lab File: VD073927.D

Acq: 02 Aug 2022 15:27

Instrument :

MSVOA_D

ClientSampleId :

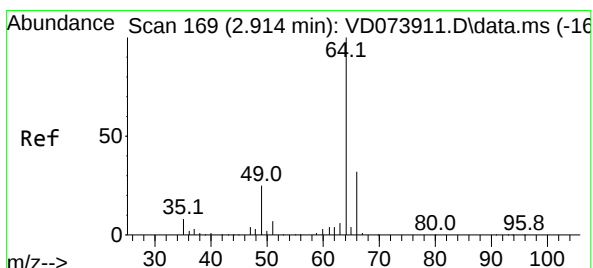
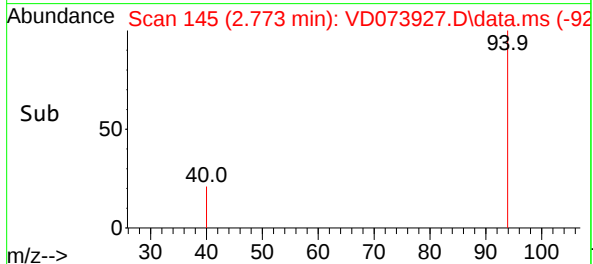
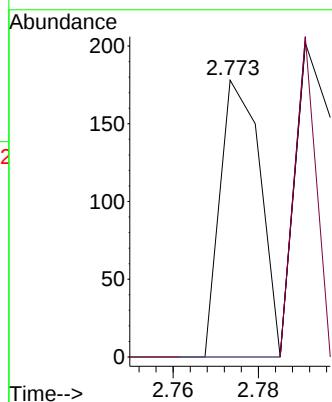
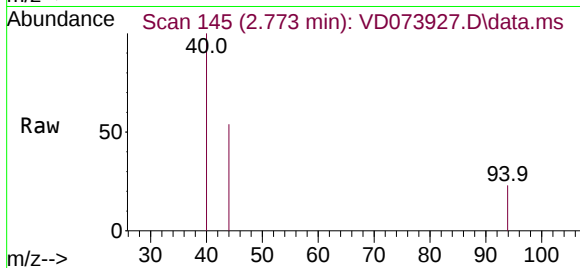
HR-01-080122

Tgt Ion: 94 Resp: 116

Ion Ratio Lower Upper

94 100

96 0.0 72.7 109.1#



#6

Chloroethane

Concen: 1.333 ug/l

RT: 2.944 min Scan# 174

Delta R.T. 0.030 min

Lab File: VD073927.D

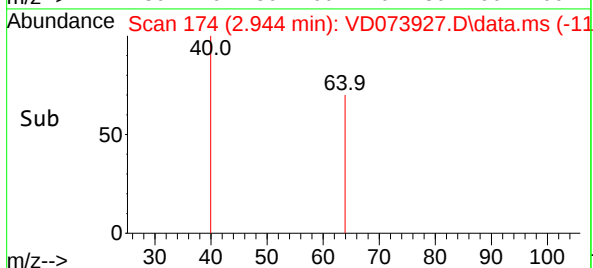
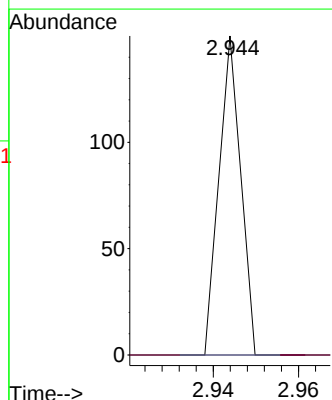
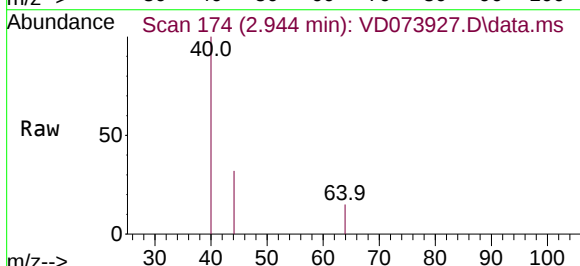
Acq: 02 Aug 2022 15:27

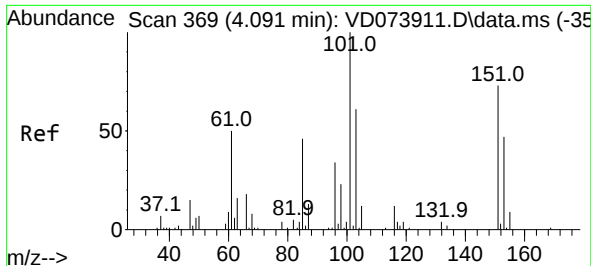
Tgt Ion: 64 Resp: 53

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#

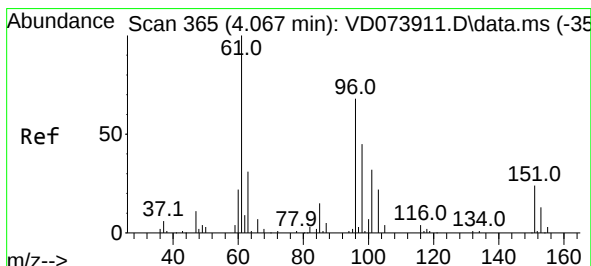
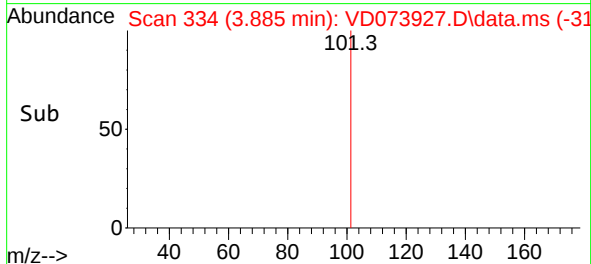
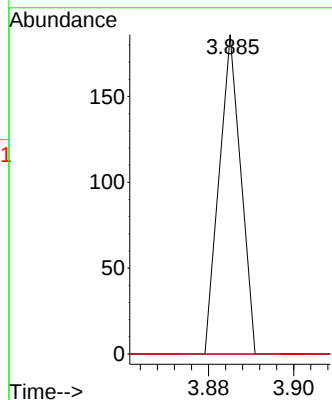
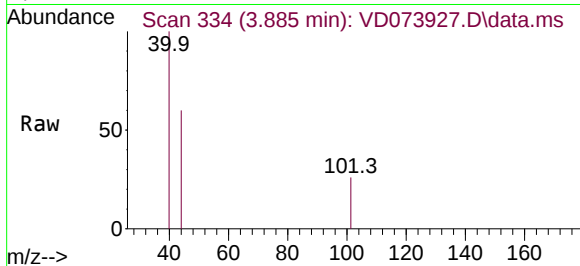




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.837 ug/l
 RT: 3.885 min Scan# 31
 Delta R.T. -0.206 min
 Lab File: VD073927.D
 Acq: 02 Aug 2022 15:27

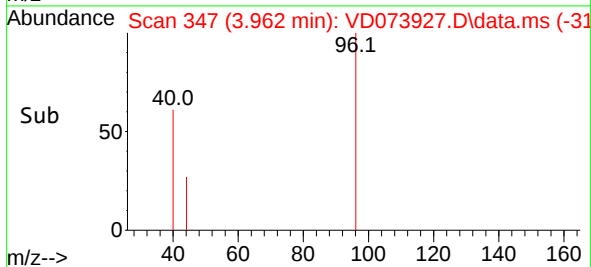
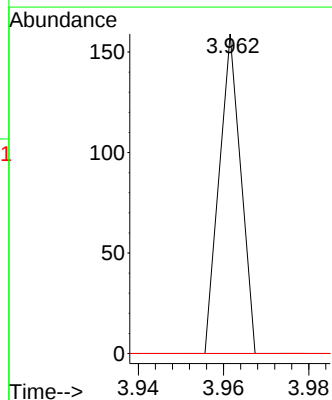
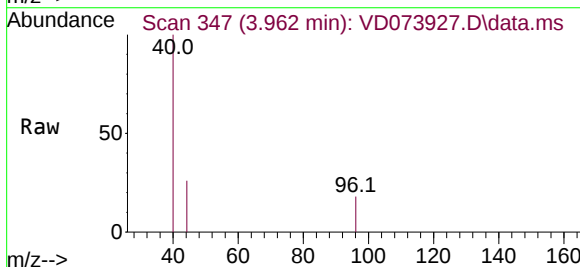
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-080122

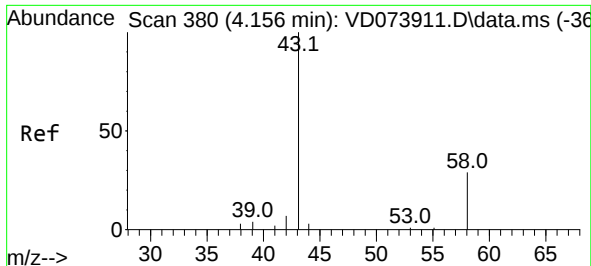
Tgt Ion:101 Resp: 66
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.5 54.7#
 151 0.0 58.9 88.3#



#12
 1,1-Dichloroethene
 Concen: 1.759 ug/l
 RT: 3.962 min Scan# 347
 Delta R.T. -0.106 min
 Lab File: VD073927.D
 Acq: 02 Aug 2022 15:27

Tgt Ion: 96 Resp: 56
 Ion Ratio Lower Upper
 96 100
 61 0.0 118.5 177.7#
 98 0.0 53.2 79.8#





#16

Acetone

Concen: 36.009 ug/l

RT: 4.156 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD073927.D

Acq: 02 Aug 2022 15:27

Instrument :

MSVOA_D

ClientSampleId :

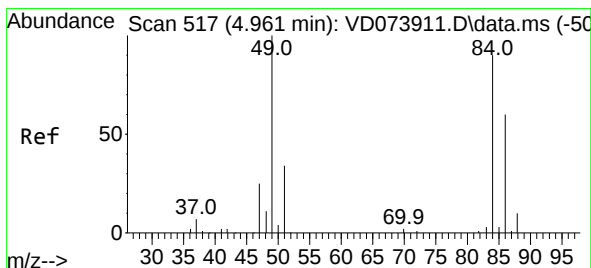
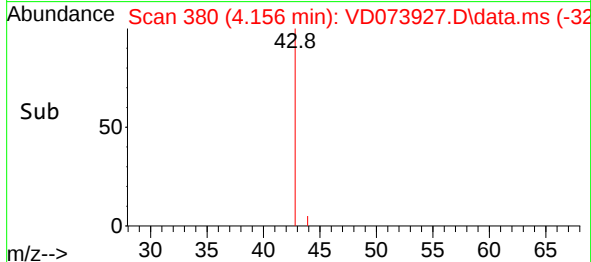
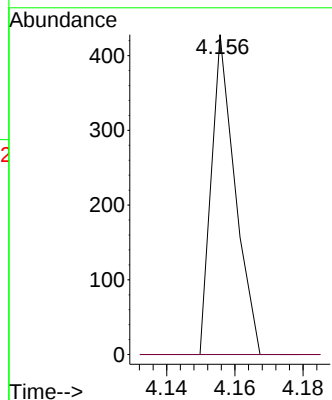
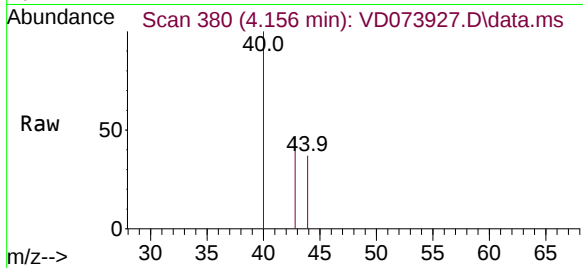
HR-01-080122

Tgt Ion: 43 Resp: 206

Ion Ratio Lower Upper

43 100

58 0.0 23.0 34.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. 0.006 min

Lab File: VD073927.D

Acq: 02 Aug 2022 15:27

Tgt Ion: 84 Resp: 132

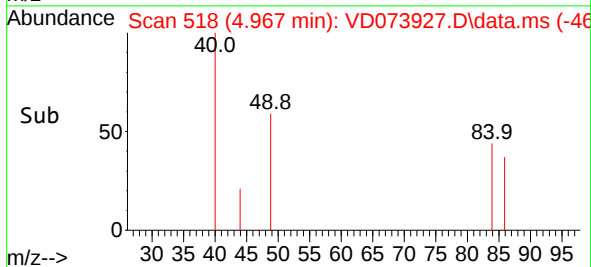
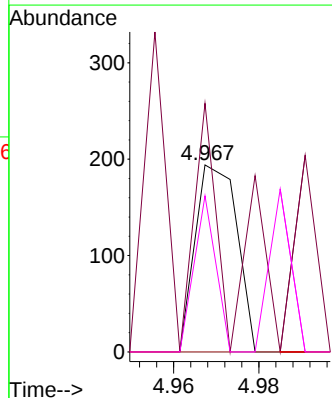
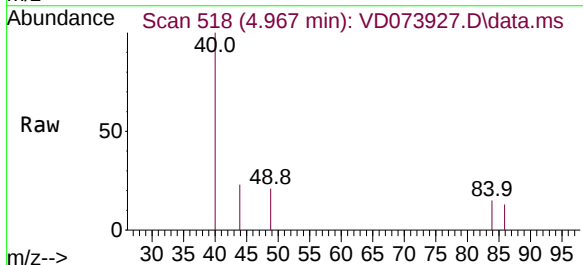
Ion Ratio Lower Upper

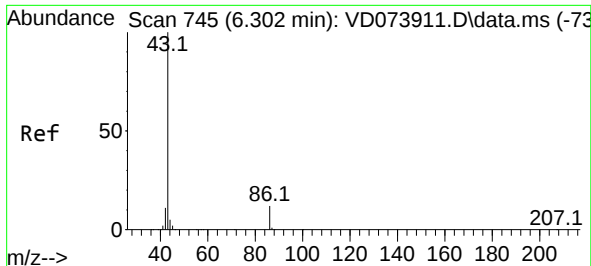
84 100

49 133.0 89.1 133.7

51 0.0 29.8 44.8#

86 83.5 53.4 80.0#

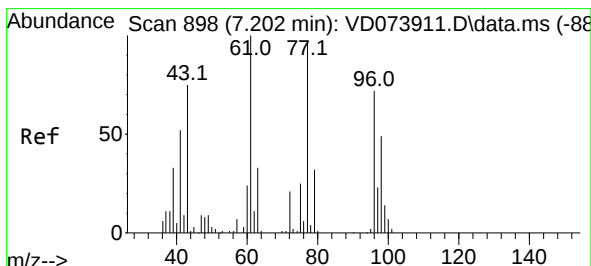
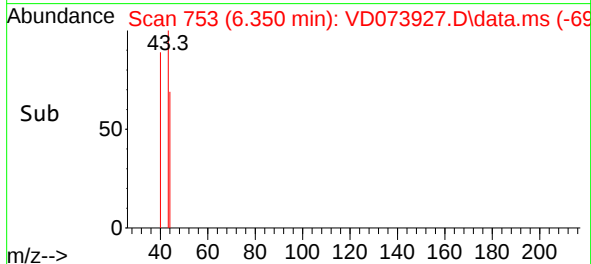
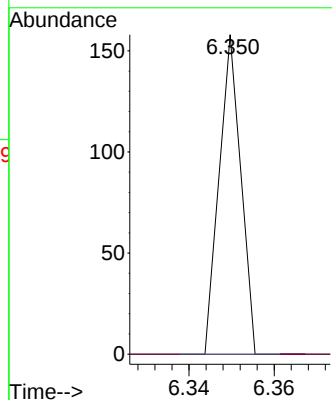
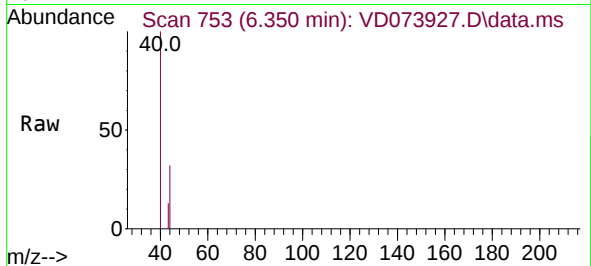




#23
 Vinyl Acetate
 Concen: 1.134 ug/l
 RT: 6.350 min Scan# 71
 Delta R.T. 0.047 min
 Lab File: VD073927.D
 Acq: 02 Aug 2022 15:27

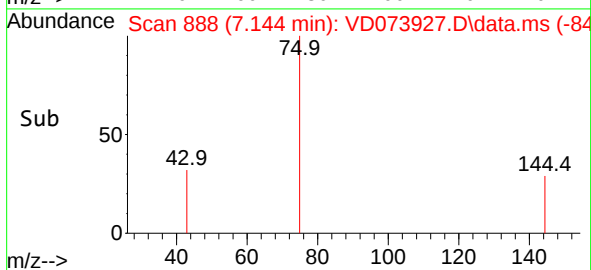
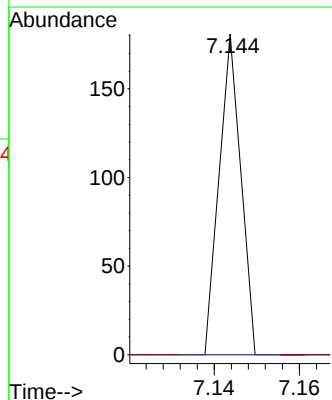
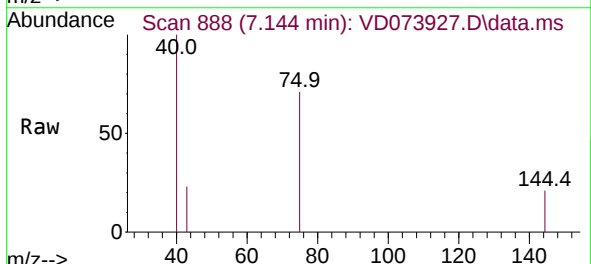
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-080122

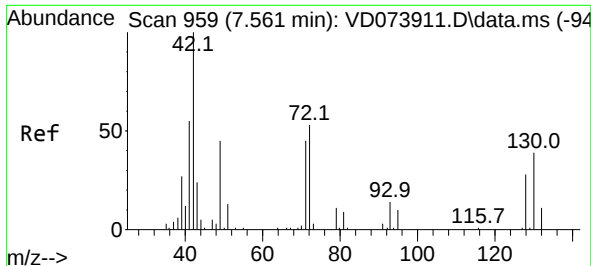
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.7 14.5#



#25
 2-Butanone
 Concen: 7.266 ug/l
 RT: 7.144 min Scan# 888
 Delta R.T. -0.059 min
 Lab File: VD073927.D
 Acq: 02 Aug 2022 15:27

Tgt Ion: 43 Resp: 64
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.7 34.1#





#29

Tetrahydrofuran

Concen: 11.658 ug/l

RT: 7.738 min Scan# 91

Delta R.T. 0.177 min

Lab File: VD073927.D

Acq: 02 Aug 2022 15:27

Instrument :

MSVOA_D

ClientSampleId :

HR-01-080122

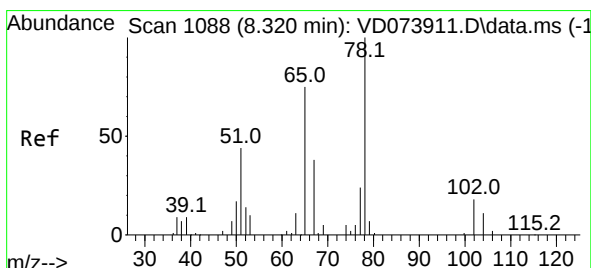
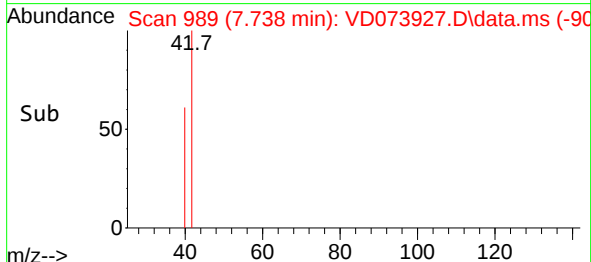
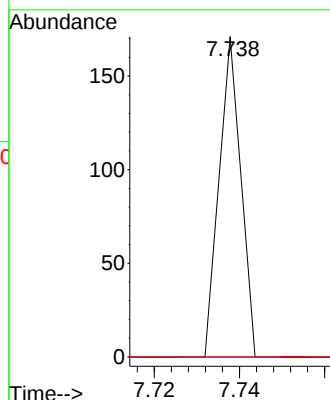
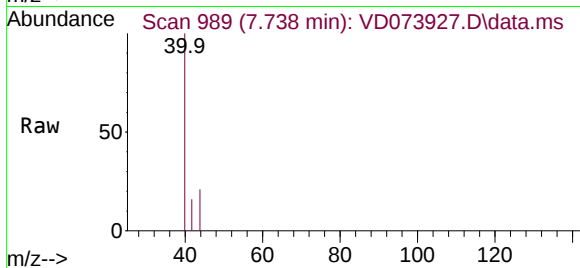
Tgt Ion: 42 Resp: 60

Ion Ratio Lower Upper

42 100

72 0.0 39.0 58.4#

71 0.0 35.7 53.5#



#33

1,2-Dichloroethane-d4

Concen: 122.880 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073927.D

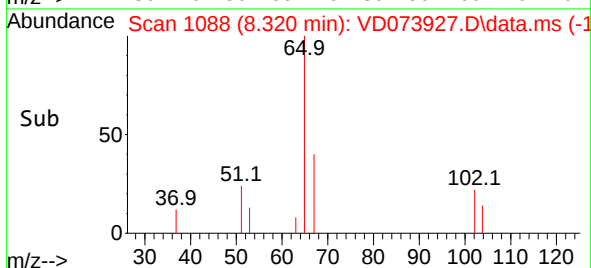
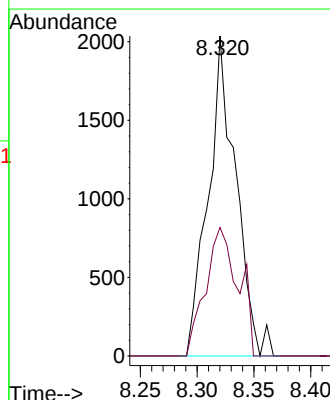
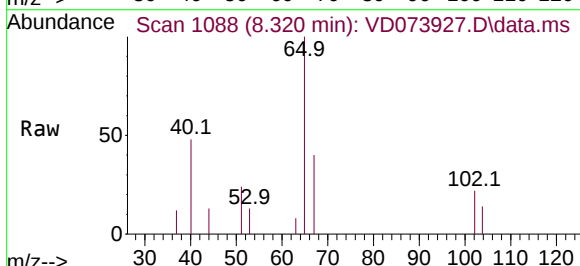
Acq: 02 Aug 2022 15:27

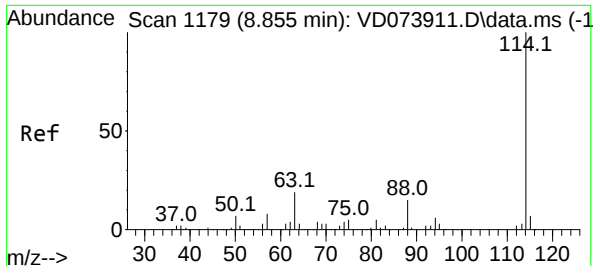
Tgt Ion: 65 Resp: 3449

Ion Ratio Lower Upper

65 100

67 47.4 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073927.D

Acq: 02 Aug 2022 15:27

Instrument :

MSVOA_D

ClientSampleId :

HR-01-080122

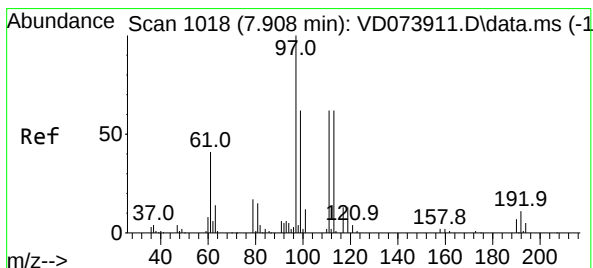
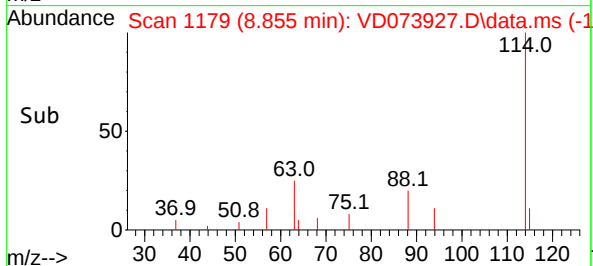
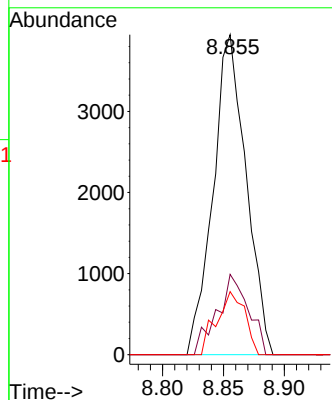
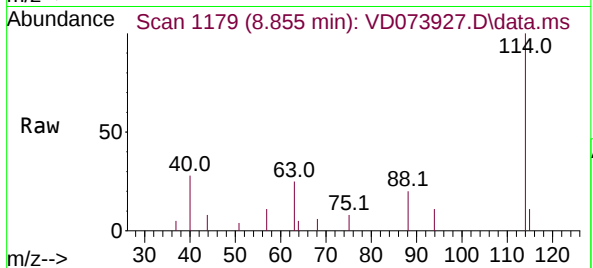
Tgt Ion:114 Resp: 7446

Ion Ratio Lower Upper

114 100

63 25.1 0.0 37.6

88 19.7 0.0 30.2



#35

Dibromofluoromethane

Concen: 57.692 ug/l

RT: 7.897 min Scan# 1016

Delta R.T. -0.012 min

Lab File: VD073927.D

Acq: 02 Aug 2022 15:27

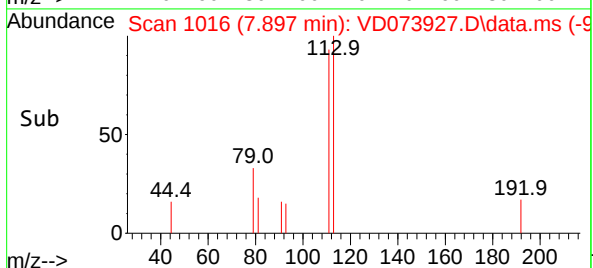
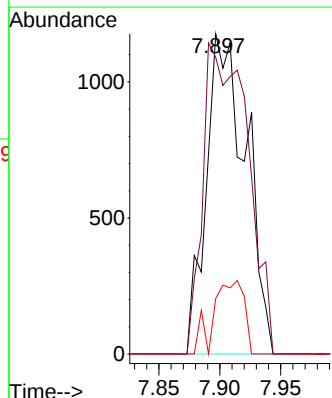
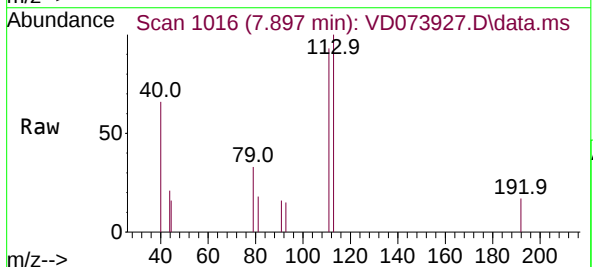
Tgt Ion:113 Resp: 2669

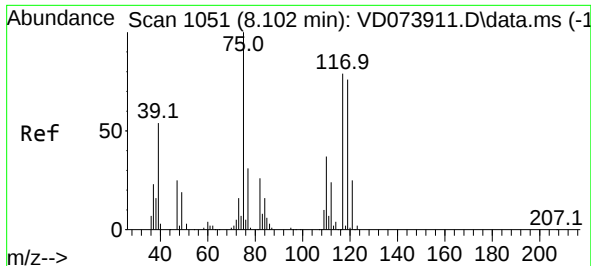
Ion Ratio Lower Upper

113 100

111 109.1 83.7 125.5

192 0.0 15.0 22.6#





#36

1,1-Dichloropropene

Concen: 1.973 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD073927.D

Acq: 02 Aug 2022 15:27

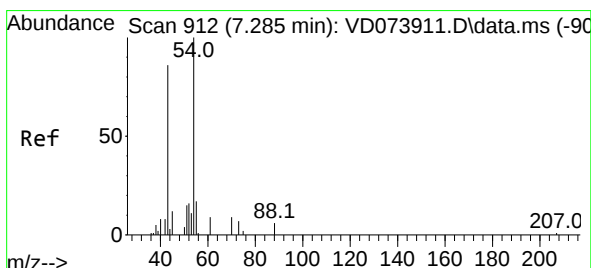
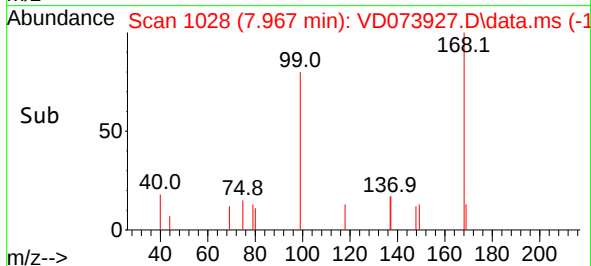
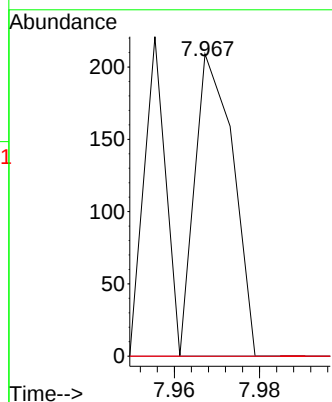
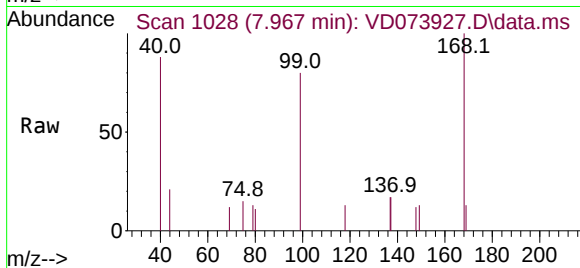
Instrument :

MSVOA_D

ClientSampleId :

HR-01-080122

Tgt Ion:	75	Resp:	130
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 2.608 ug/l

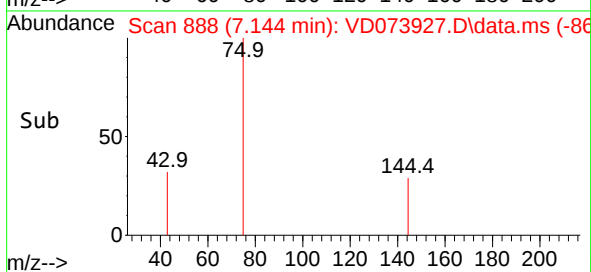
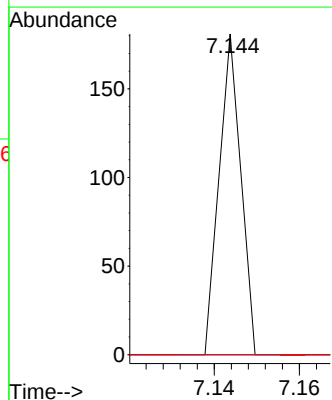
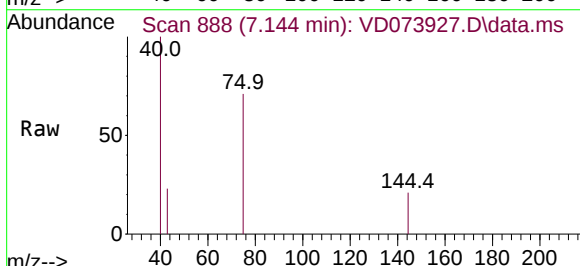
RT: 7.144 min Scan# 888

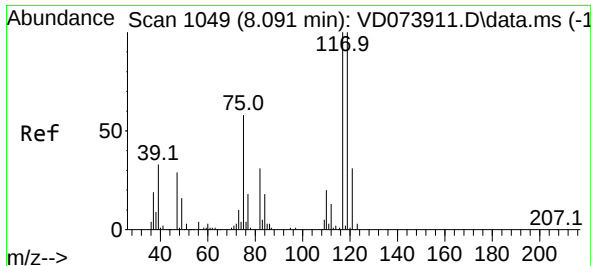
Delta R.T. -0.141 min

Lab File: VD073927.D

Acq: 02 Aug 2022 15:27

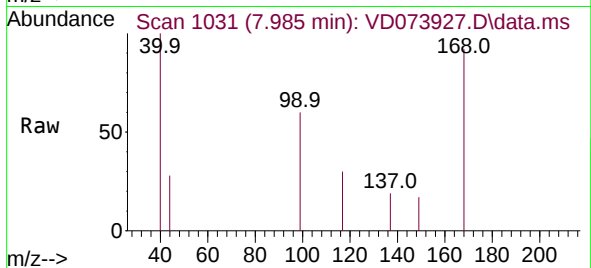
Tgt Ion:	43	Resp:	64
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.7	19.1#
70	0.0	9.4	14.0#



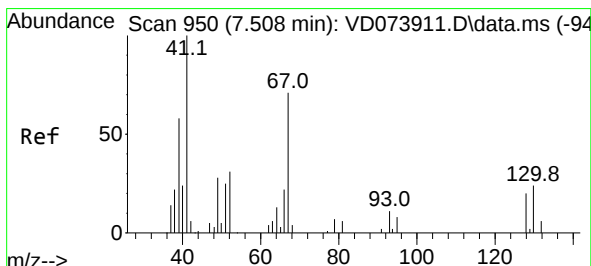
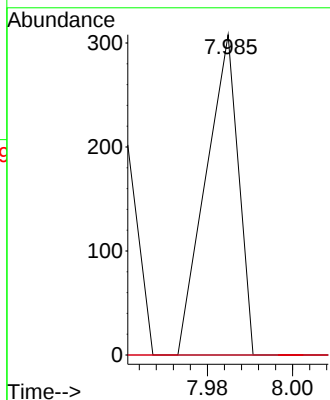
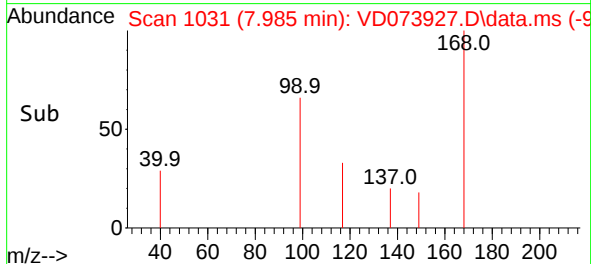


#38
Carbon Tetrachloride
Concen: 2.208 ug/l
RT: 7.985 min Scan# 1049
Delta R.T. -0.106 min
Lab File: VD073927.D
Acq: 02 Aug 2022 15:27

Instrument :
MSVOA_D
ClientSampleId :
HR-01-080122

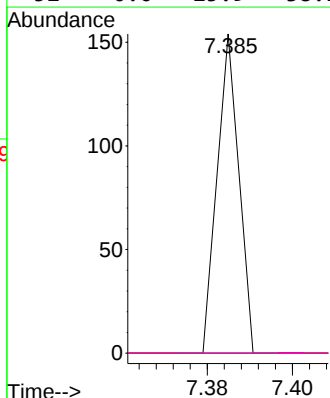
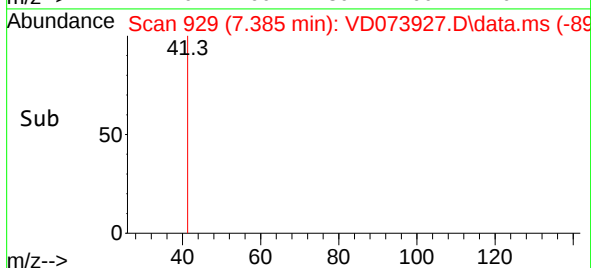
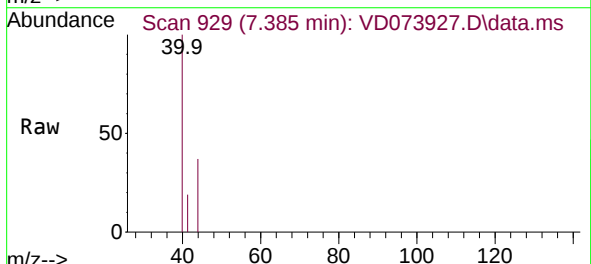


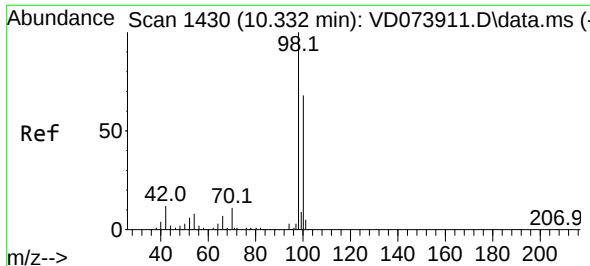
Tgt Ion:117 Resp: 163
Ion Ratio Lower Upper
117 100
119 0.0 79.6 119.4#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 3.812 ug/l
RT: 7.385 min Scan# 929
Delta R.T. -0.123 min
Lab File: VD073927.D
Acq: 02 Aug 2022 15:27

Tgt Ion: 41 Resp: 54
Ion Ratio Lower Upper
41 100
39 0.0 46.6 69.8#
67 0.0 61.0 91.4#
52 0.0 25.9 38.9#

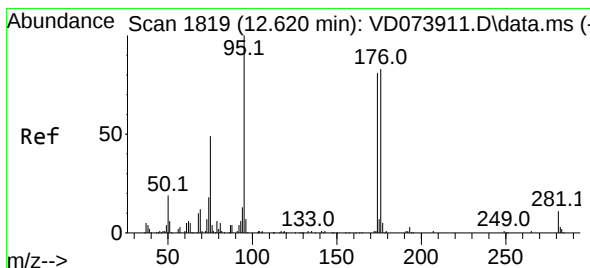
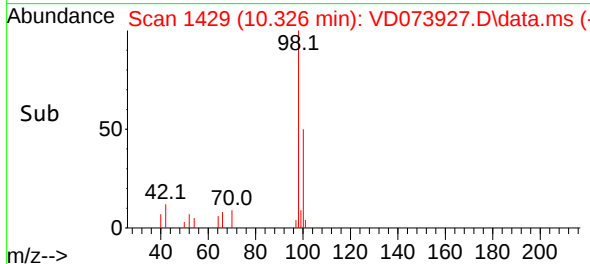
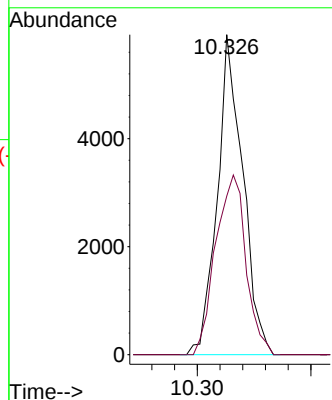
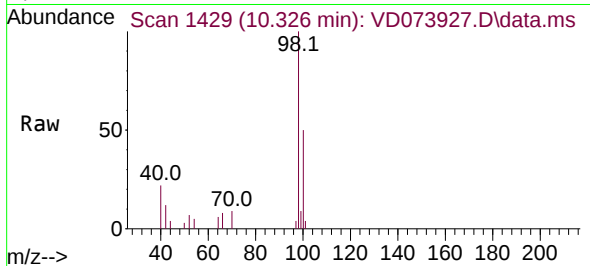




#50
Toluene-d8
Concen: 59.351 ug/l
RT: 10.326 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD073927.D
Acq: 02 Aug 2022 15:27

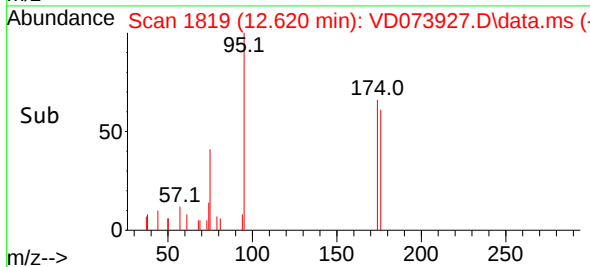
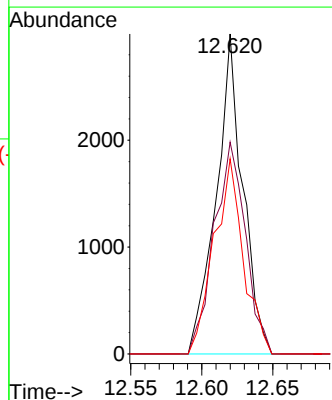
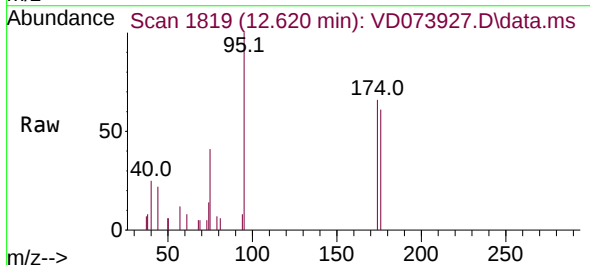
Instrument :
MSVOA_D
ClientSampleId :
HR-01-080122

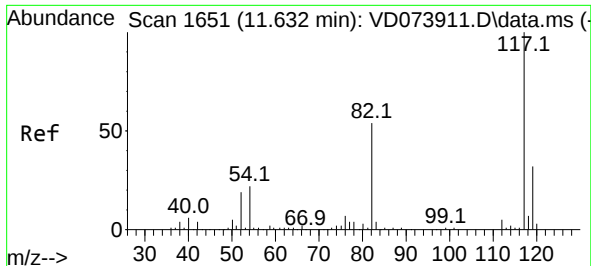
Tgt Ion: 98 Resp: 9249
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 68.054 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073927.D
Acq: 02 Aug 2022 15:27

Tgt Ion: 95 Resp: 3900
Ion Ratio Lower Upper
95 100
174 77.9 0.0 164.2
176 67.3 0.0 161.4

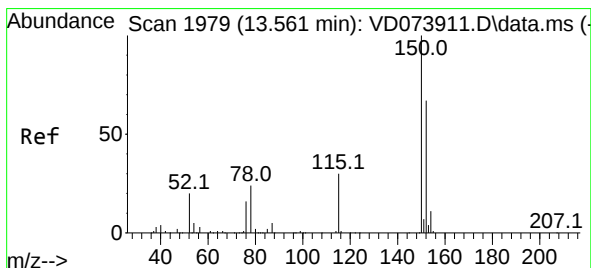
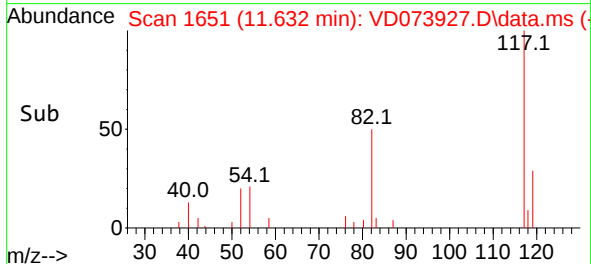
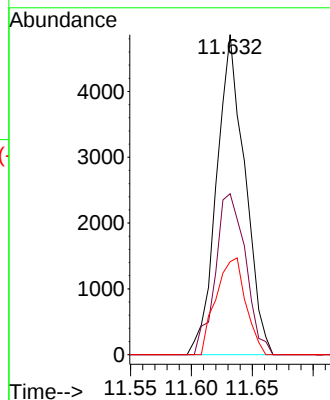
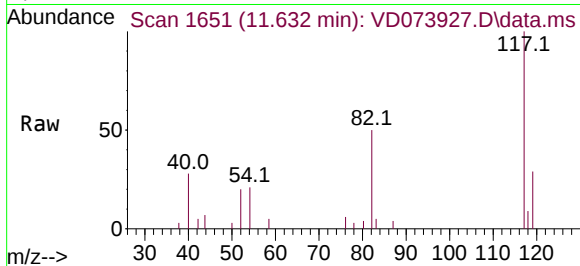




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD073927.D
Acq: 02 Aug 2022 15:27

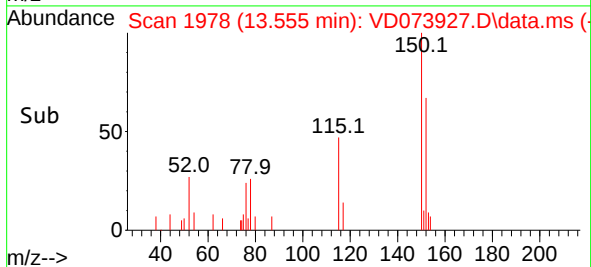
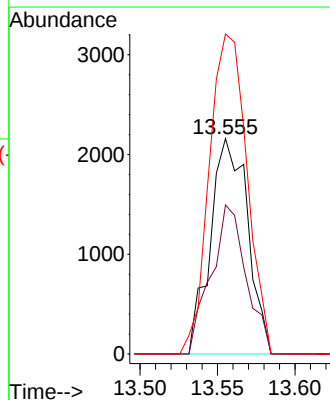
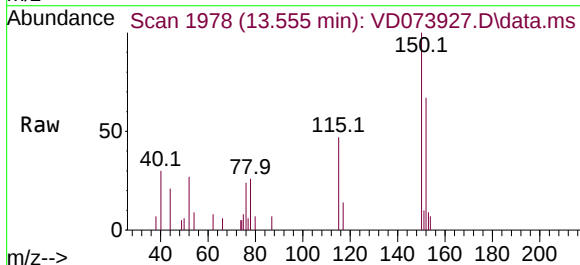
Instrument :
MSVOA_D
ClientSampleId :
HR-01-080122

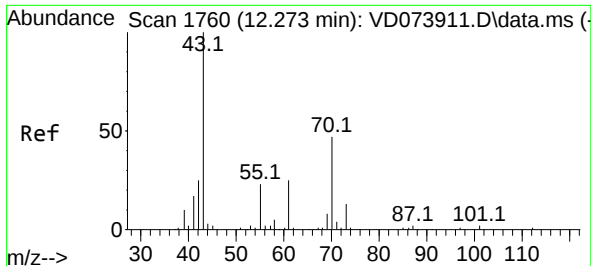
Tgt Ion:	117	Resp:	7861
Ion	Ratio	Lower	Upper
117	100		
82	50.3	43.3	64.9
119	29.1	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD073927.D
Acq: 02 Aug 2022 15:27

Tgt Ion:	152	Resp:	3611
Ion	Ratio	Lower	Upper
152	100		
115	65.2	29.1	87.3
150	150.3	0.0	338.2

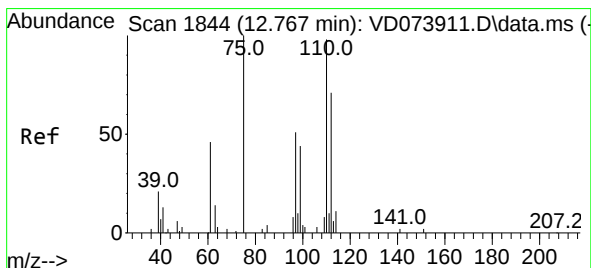
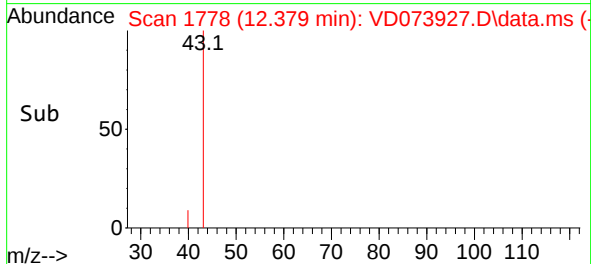
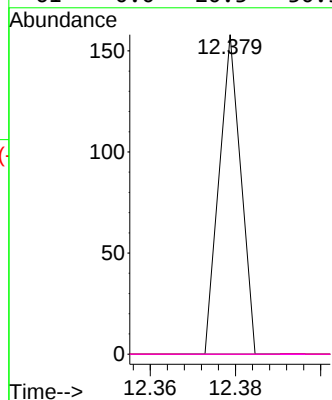
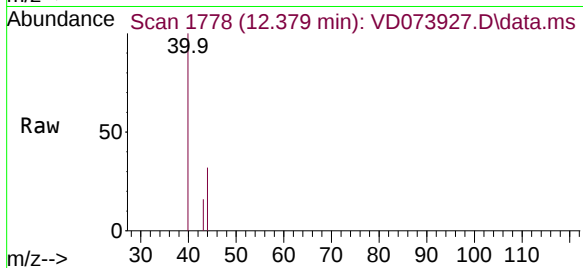




#74
N-amy1 acetate
Concen: 1.123 ug/l
RT: 12.379 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073927.D
Acq: 02 Aug 2022 15:27

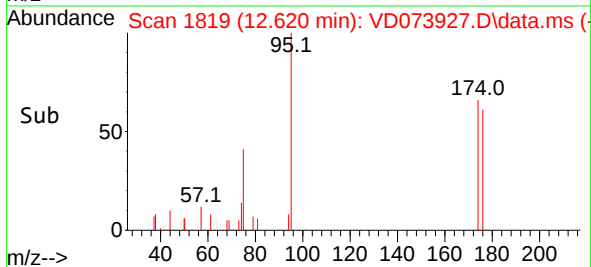
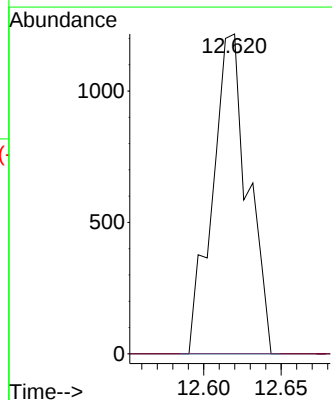
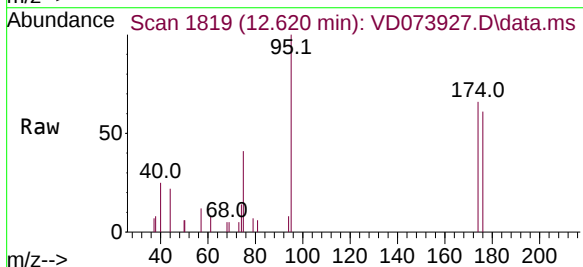
Instrument :
MSVOA_D
ClientSampleId :
HR-01-080122

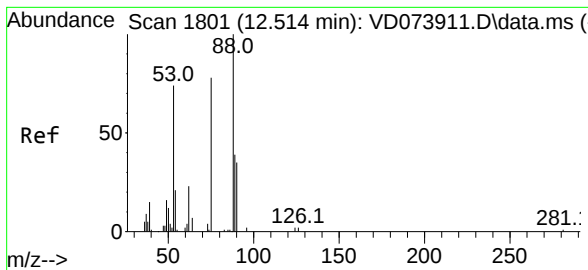
Tgt Ion: 43	Resp: 56
Ion Ratio	Lower Upper
43 100	
70 0.0	37.1 55.7#
55 0.0	19.5 29.3#
61 0.0	20.3 30.5#



#76
1,2,3-Trichloropropane
Concen: 72.499 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073927.D
Acq: 02 Aug 2022 15:27

Tgt Ion: 75	Resp: 1938
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.975 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073927.D
 Acq: 02 Aug 2022 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-080122

Tgt Ion: 75 Resp: 1938
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.6 107.4#
 89 0.0 39.8 59.6#

