

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080322\
 Data File : VD073945.D
 Acq On : 03 Aug 2022 17:31
 Operator : VA/SY
 Sample : N3990-01RE
 Misc : 5.04G/5.02ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-080122

Quant Time: Aug 04 02:53:13 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)

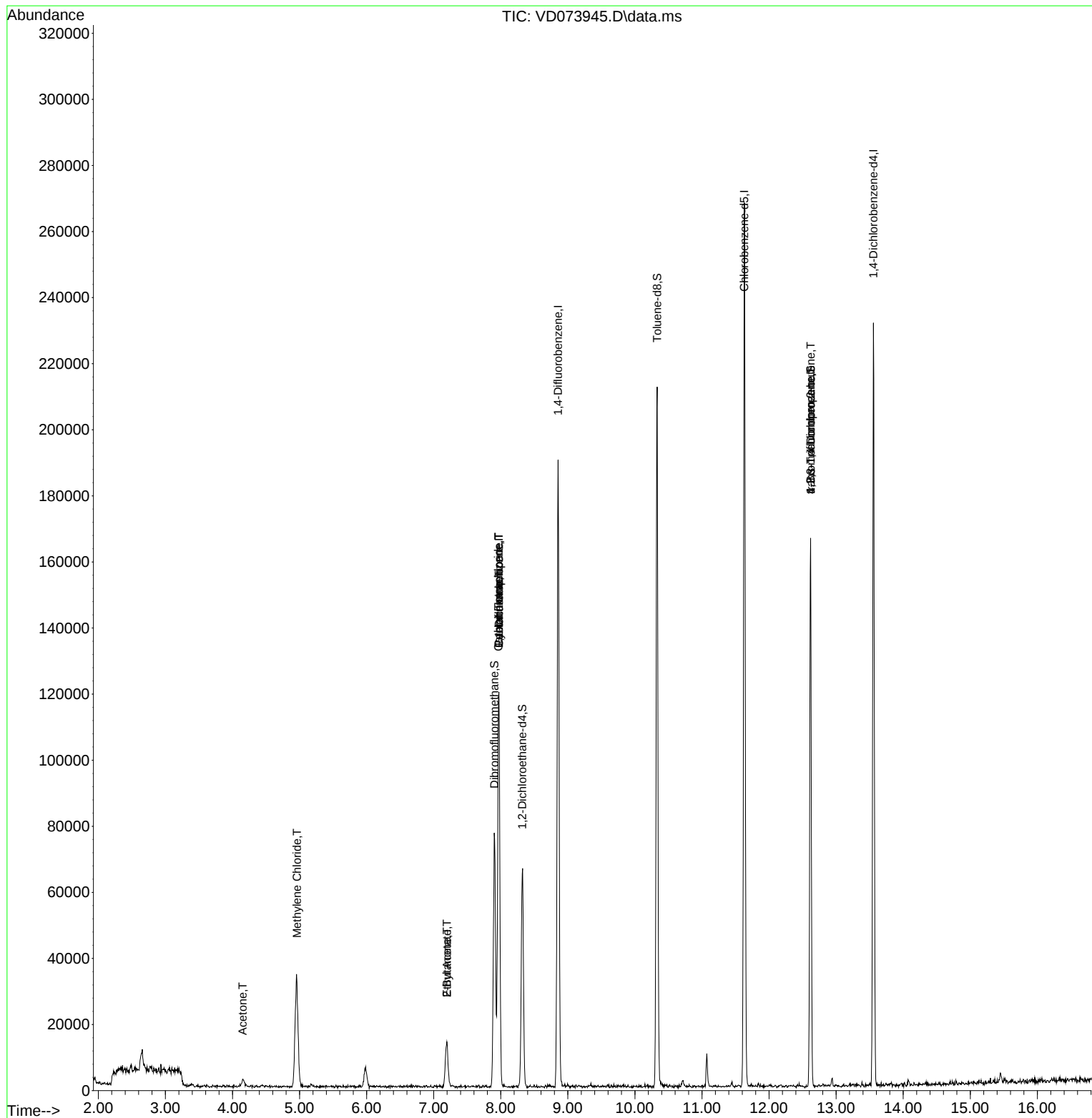
Internal Standards						
1) Pentafluorobenzene	7.973	168	86861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	160038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	148491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	57778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	54326	78.663	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 157.320%			
35) Dibromofluoromethane	7.902	113	53137	53.439	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.880%			
50) Toluene-d8	10.332	98	139046	41.514	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 83.020%			
62) 4-Bromofluorobenzene	12.620	95	51208	41.574	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.140%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.220	59	135	Below Cal	#	75
16) Acetone	4.150	43	4443	33.256	ug/l #	74
18) Methyl Acetate	4.861	43	64	Below Cal	#	48
20) Methylene Chloride	4.961	84	25640	16.353	ug/l #	88
25) 2-Butanone	7.197	43	1029	4.854	ug/l #	46
31) Cyclohexane	7.973	56	2306	1.714	ug/l #	45
36) 1,1-Dichloropropene	7.973	75	7673	5.418	ug/l #	49
37) Ethyl Acetate	7.197	43	1029	1.951	ug/l #	58
38) Carbon Tetrachloride	7.967	117	9590	6.045	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	28280	65.867	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	28280	140.424	ug/l #	13

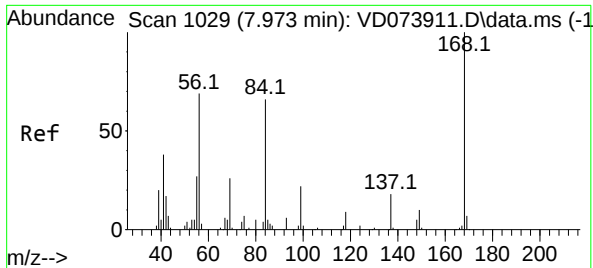
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

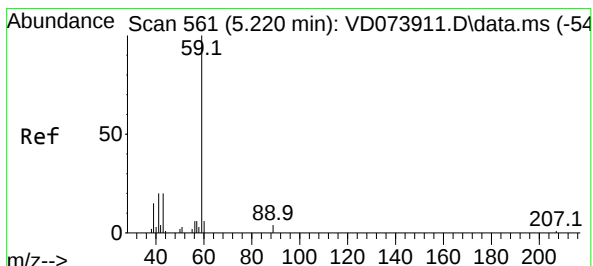
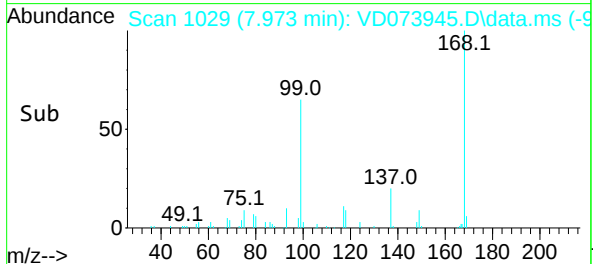
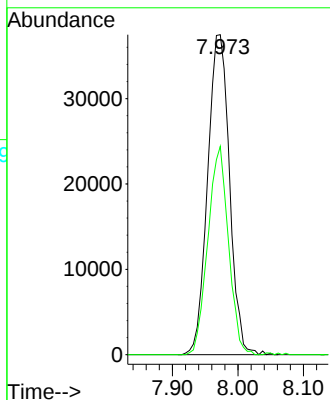
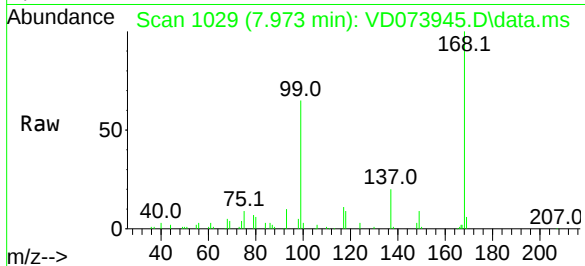




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073945.D
Acq: 03 Aug 2022 17:31

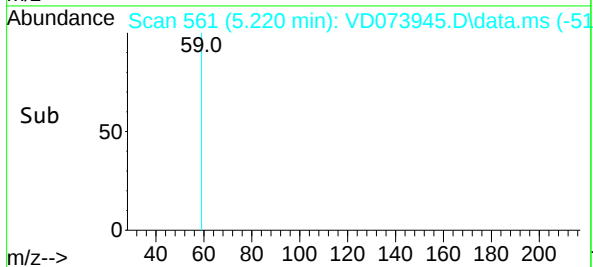
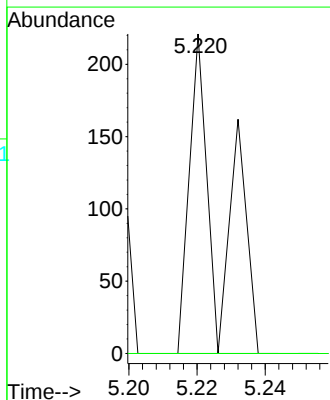
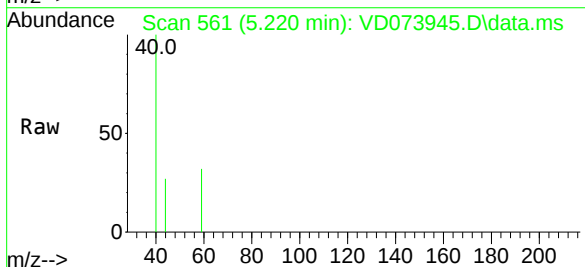
Instrument :
MSVOA_D
ClientSampleId :
HR-01-080122

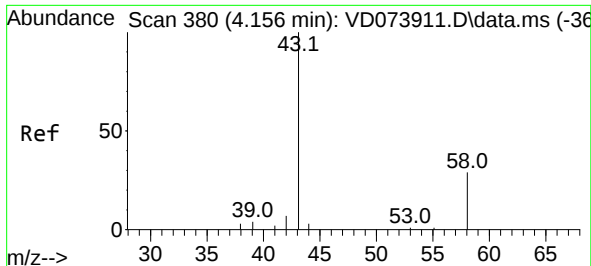
Tgt Ion:168 Resp: 86861
Ion Ratio Lower Upper
168 100
99 65.1 52.2 78.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD073945.D
Acq: 03 Aug 2022 17:31

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

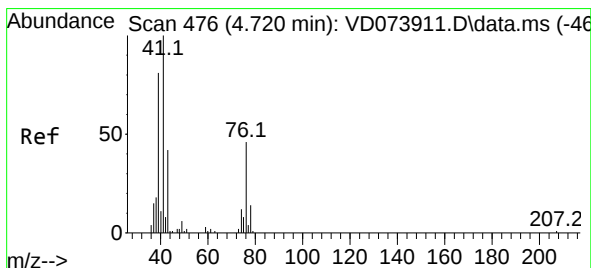
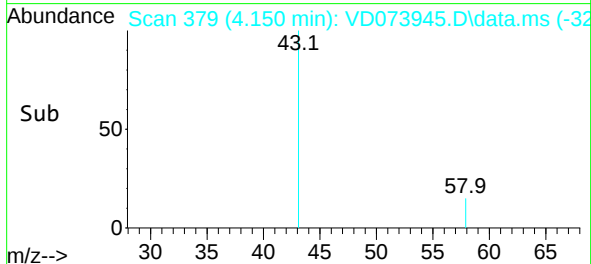
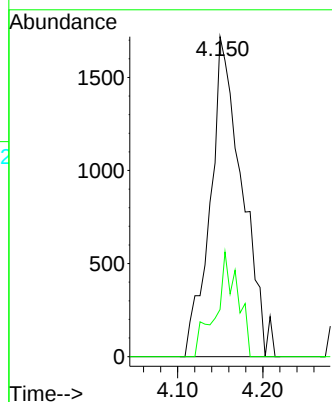
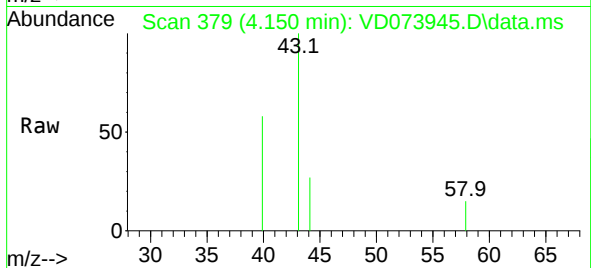




#16
Acetone
Concen: 33.256 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD073945.D
Acq: 03 Aug 2022 17:31

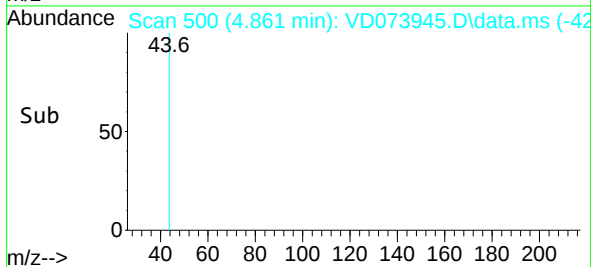
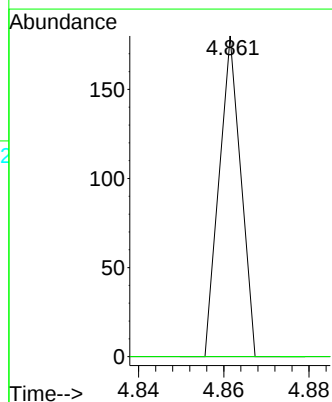
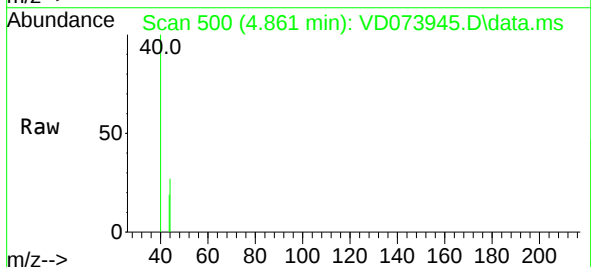
Instrument :
MSVOA_D
ClientSampleId :
HR-01-080122

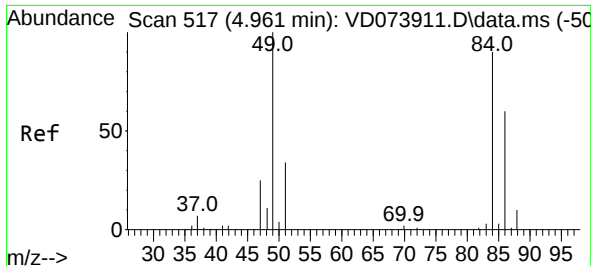
Tgt Ion: 43 Resp: 4443
Ion Ratio Lower Upper
43 100
58 14.7 23.0 34.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.861 min Scan# 500
Delta R.T. 0.141 min
Lab File: VD073945.D
Acq: 03 Aug 2022 17:31

Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#





#20

Methylene Chloride

Concen: 16.353 ug/l

RT: 4.961 min Scan# 517

Delta R.T. 0.000 min

Lab File: VD073945.D

Acq: 03 Aug 2022 17:31

Instrument :

MSVOA_D

ClientSampleId :

HR-01-080122

Tgt Ion: 84 Resp: 25640

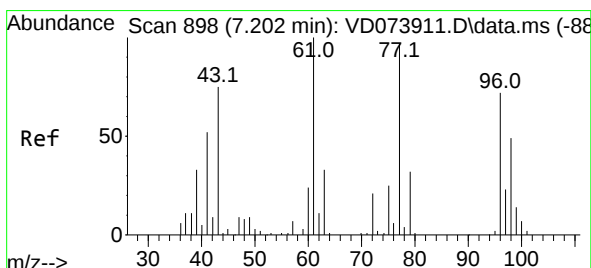
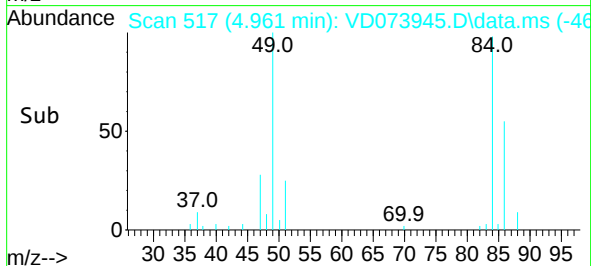
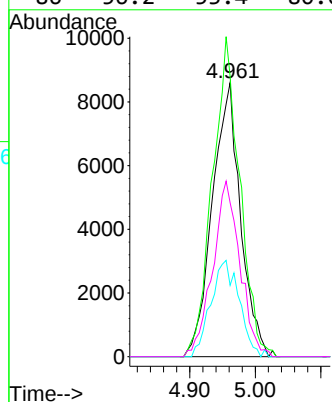
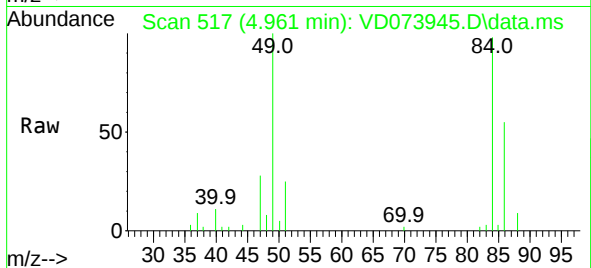
Ion Ratio Lower Upper

84 100

49 102.3 89.1 133.7

51 26.0 29.8 44.8#

86 56.2 53.4 80.0



#25

2-Butanone

Concen: 4.854 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.006 min

Lab File: VD073945.D

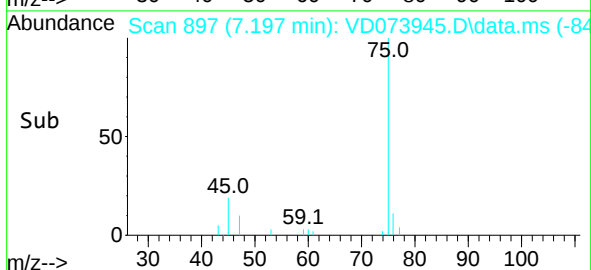
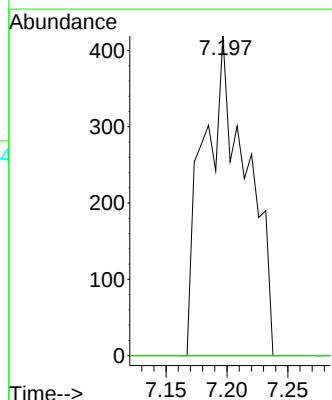
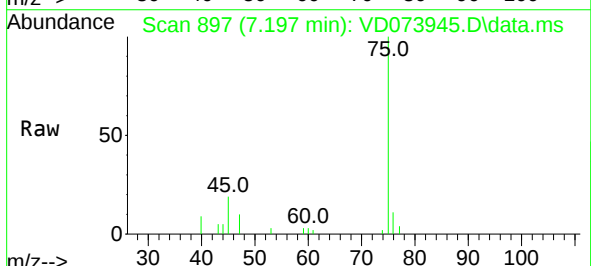
Acq: 03 Aug 2022 17:31

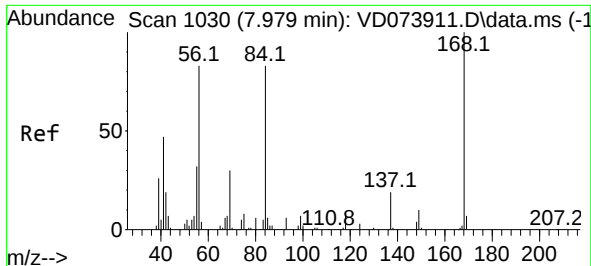
Tgt Ion: 43 Resp: 1029

Ion Ratio Lower Upper

43 100

72 0.0 22.7 34.1#

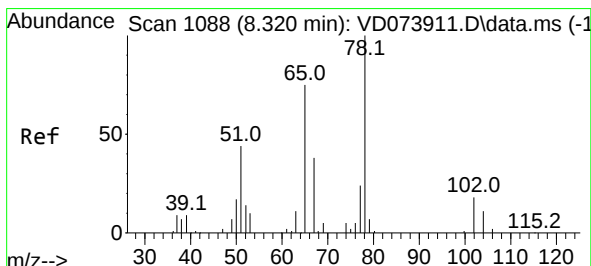
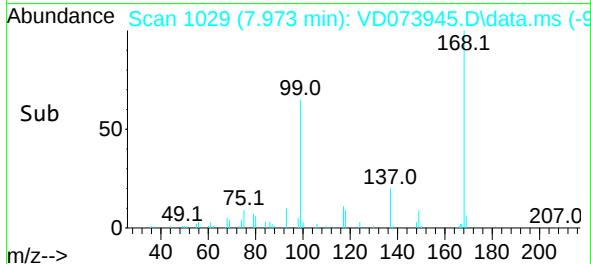
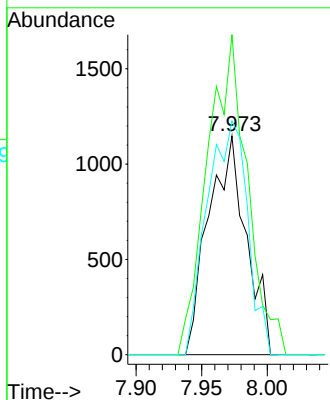
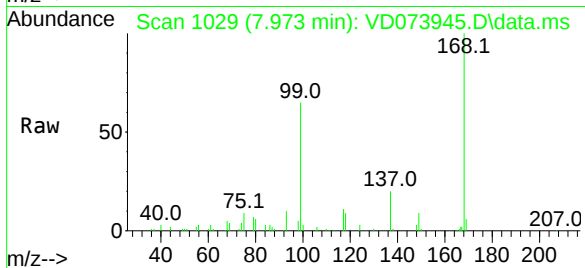




#31
Cyclohexane
Concen: 1.714 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073945.D
Acq: 03 Aug 2022 17:31

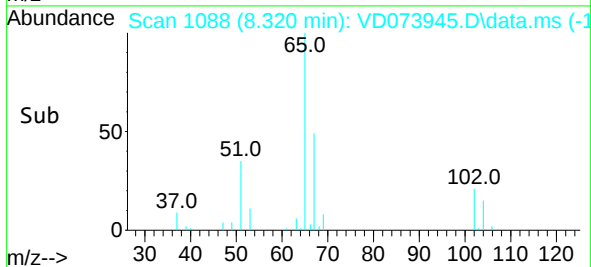
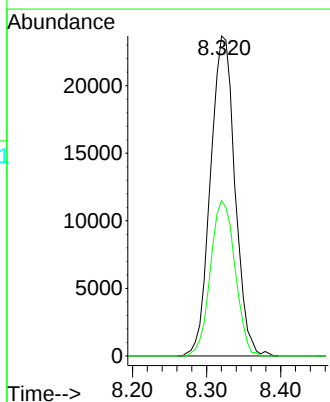
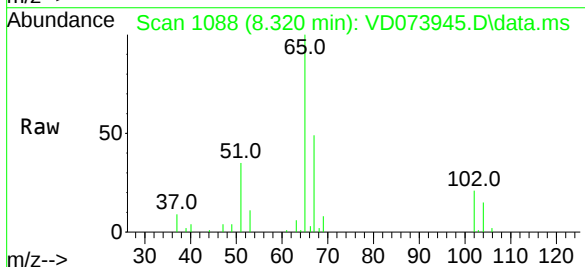
Instrument :
MSVOA_D
ClientSampleId :
HR-01-080122

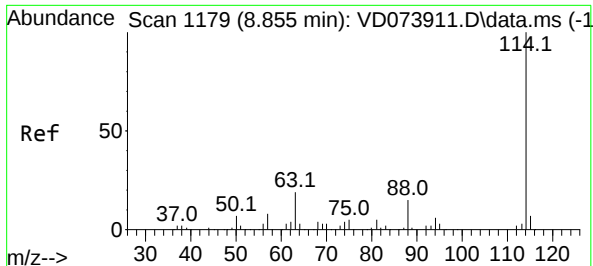
Tgt Ion: 56 Resp: 2306
Ion Ratio Lower Upper
56 100
69 146.4 29.2 43.8#
84 107.0 80.0 120.0



#33
1,2-Dichloroethane-d4
Concen: 78.663 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073945.D
Acq: 03 Aug 2022 17:31

Tgt Ion: 65 Resp: 54326
Ion Ratio Lower Upper
65 100
67 48.8 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: VD073945.D

Acq: 03 Aug 2022 17:31

Instrument :

MSVOA_D

ClientSampleId :

HR-01-080122

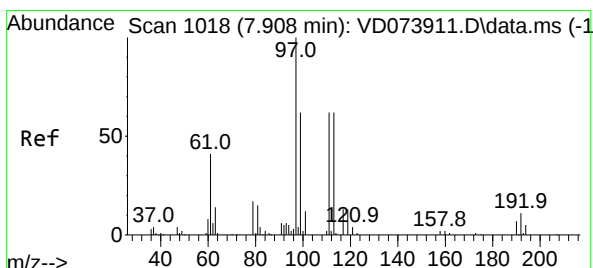
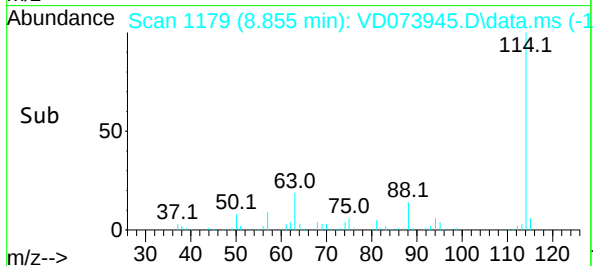
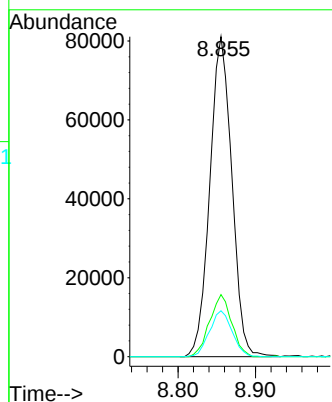
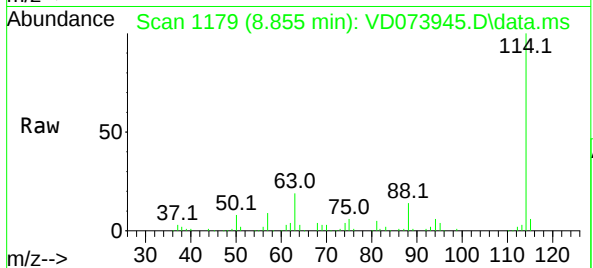
Tgt Ion:114 Resp: 160038

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.6

88 14.4 0.0 30.2



#35

Dibromofluoromethane

Concen: 53.439 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073945.D

Acq: 03 Aug 2022 17:31

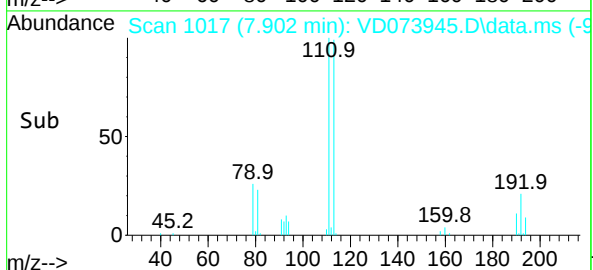
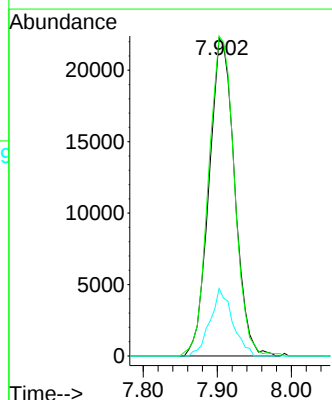
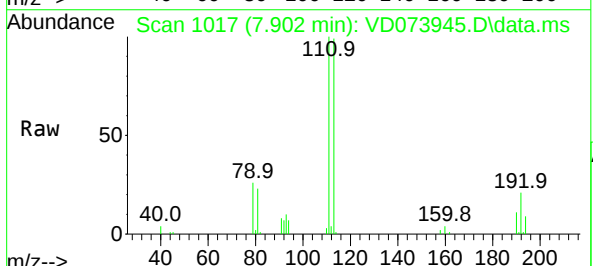
Tgt Ion:113 Resp: 53137

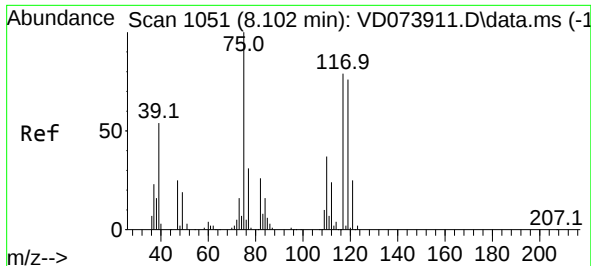
Ion Ratio Lower Upper

113 100

111 102.0 83.7 125.5

192 18.7 15.0 22.6





#36

1,1-Dichloropropene

Concen: 5.418 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD073945.D

Acq: 03 Aug 2022 17:31

Instrument :

MSVOA_D

ClientSampleId :

HR-01-080122

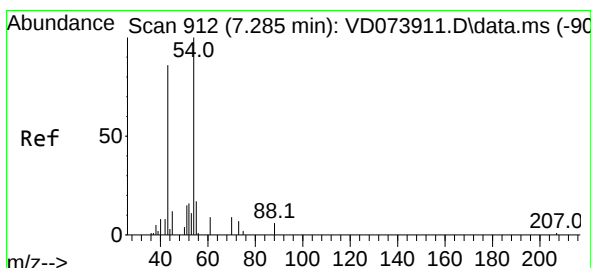
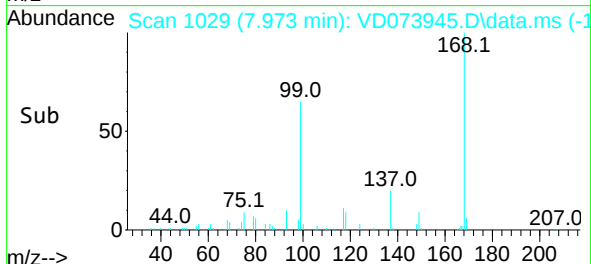
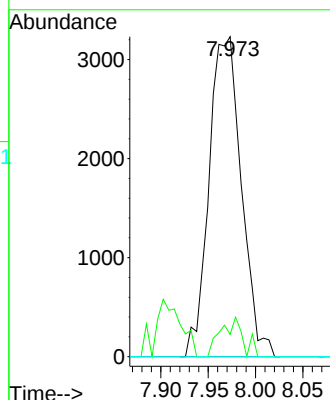
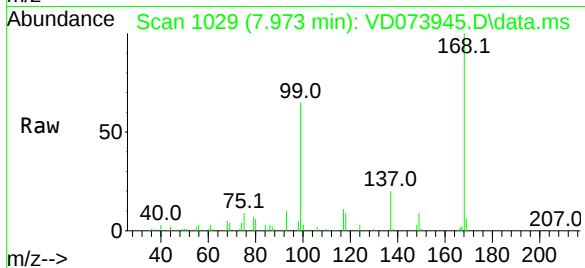
Tgt Ion: 75 Resp: 7673

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.1#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.951 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.088 min

Lab File: VD073945.D

Acq: 03 Aug 2022 17:31

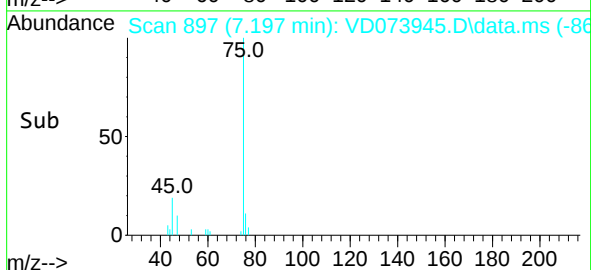
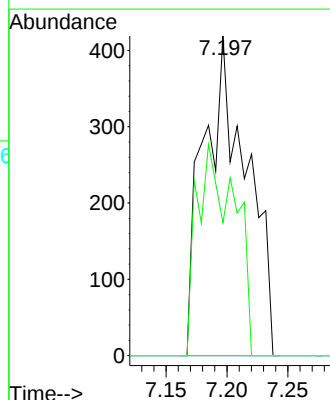
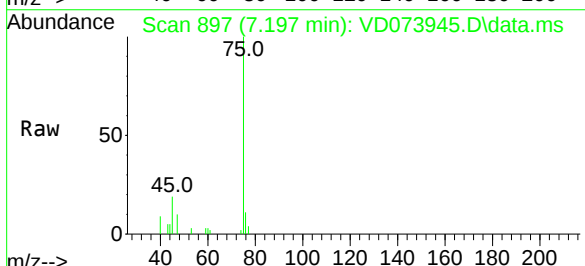
Tgt Ion: 43 Resp: 1029

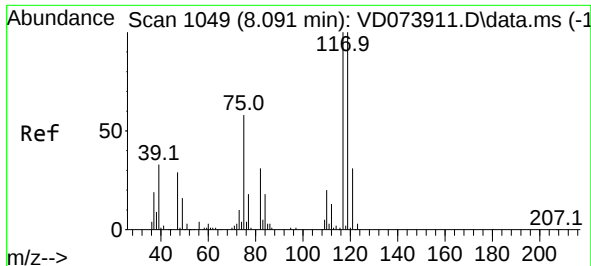
Ion Ratio Lower Upper

43 100

61 37.0 12.7 19.1#

70 0.0 9.4 14.0#

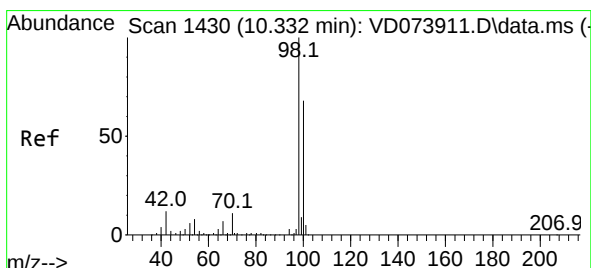
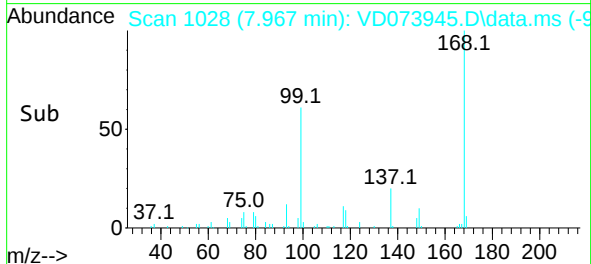
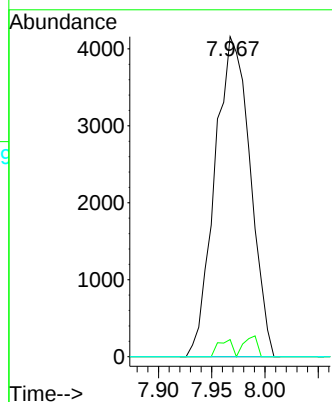
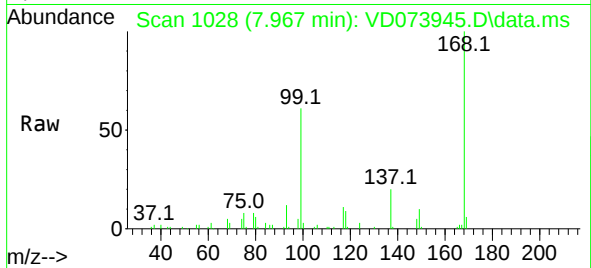




#38
Carbon Tetrachloride
Concen: 6.045 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD073945.D
Acq: 03 Aug 2022 17:31

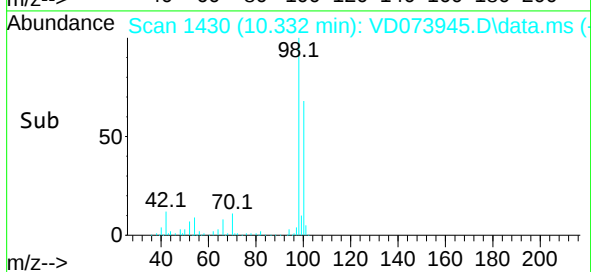
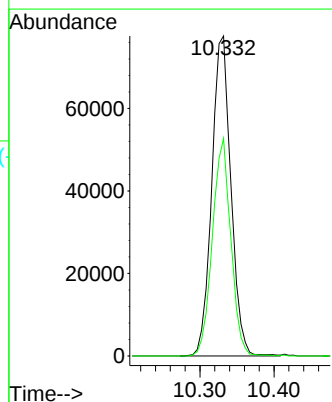
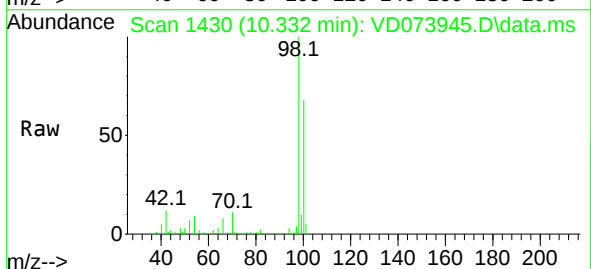
Instrument :
MSVOA_D
ClientSampleId :
HR-01-080122

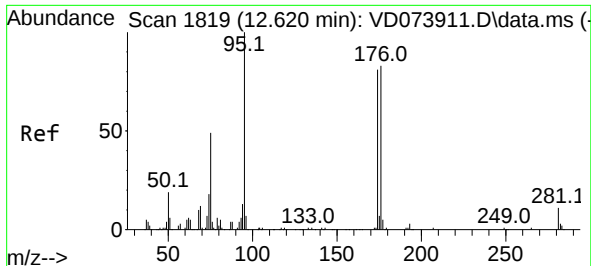
Tgt Ion:117 Resp: 9590
Ion Ratio Lower Upper
117 100
119 5.4 79.6 119.4#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 41.514 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073945.D
Acq: 03 Aug 2022 17:31

Tgt Ion: 98 Resp: 139046
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7

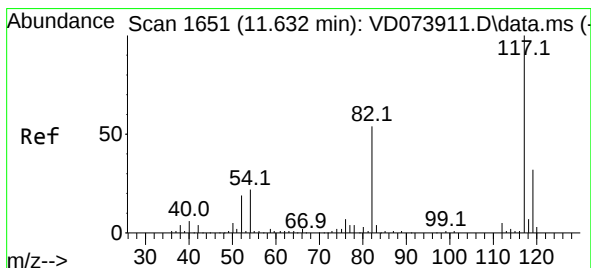
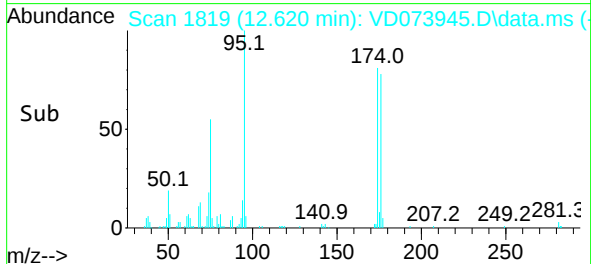
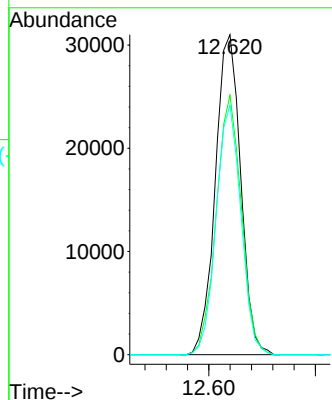
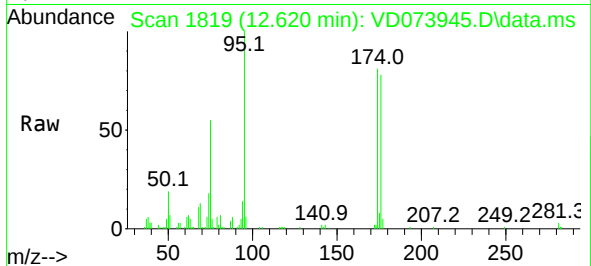




#62
4-Bromofluorobenzene
Concen: 41.574 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073945.D
Acq: 03 Aug 2022 17:31

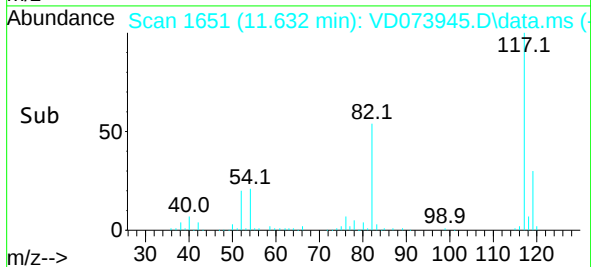
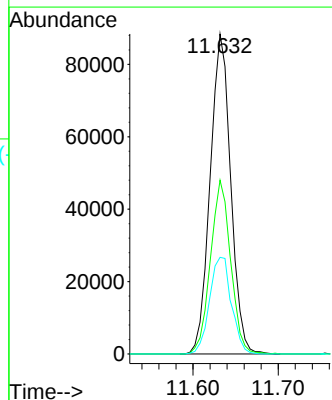
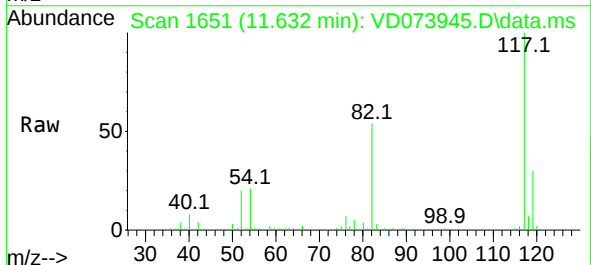
Instrument :
MSVOA_D
ClientSampleId :
HR-01-080122

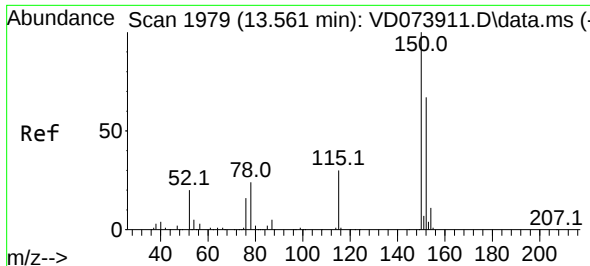
Tgt Ion:	95	Resp:	51208
Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	164.2
176	76.0	0.0	161.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073945.D
Acq: 03 Aug 2022 17:31

Tgt Ion:	117	Resp:	148491
Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.3	64.9
119	30.2	25.8	38.8

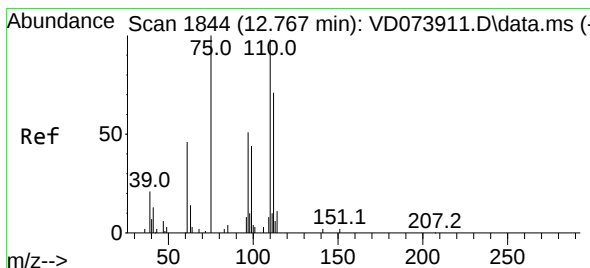
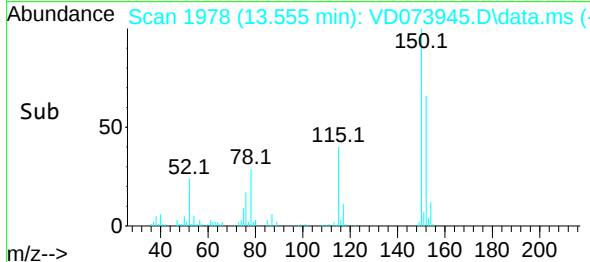
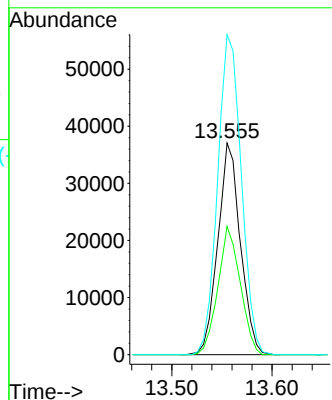
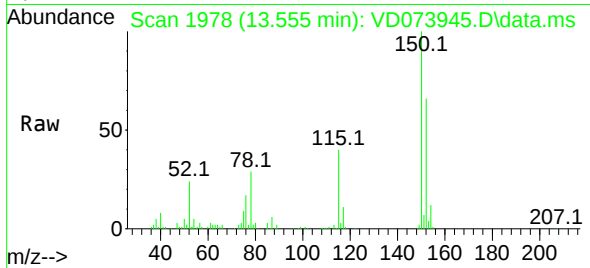




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD073945.D
 Acq: 03 Aug 2022 17:31

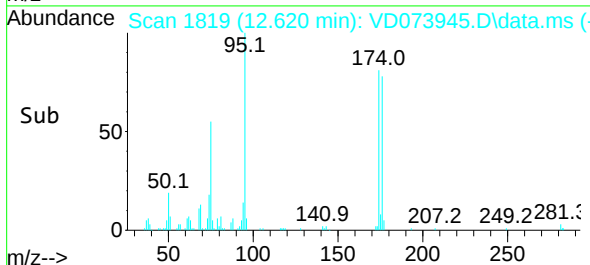
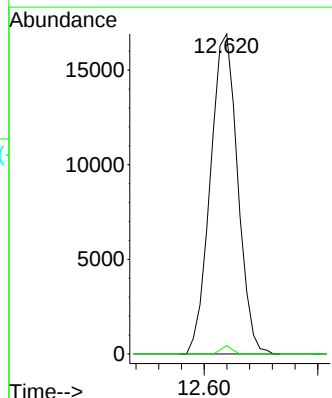
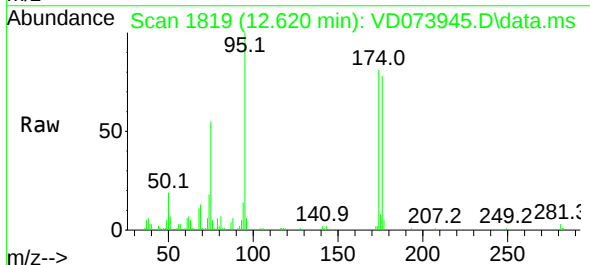
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-080122

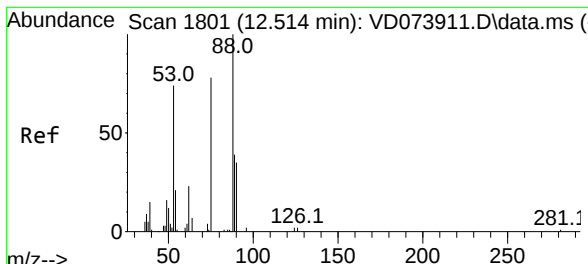
Tgt Ion:152 Resp: 57778
 Ion Ratio Lower Upper
 152 100
 115 60.0 29.1 87.3
 150 158.9 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 65.867 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073945.D
 Acq: 03 Aug 2022 17:31

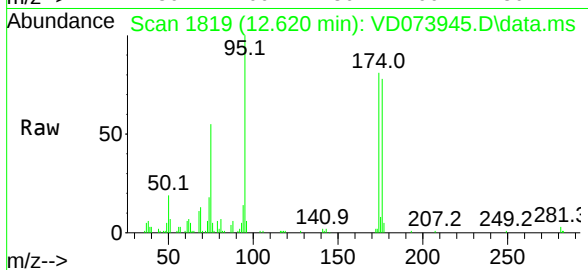
Tgt Ion: 75 Resp: 28280
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.424 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073945.D
 Acq: 03 Aug 2022 17:31

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-080122



Tgt Ion:	75	Resp:	28280
Ion	Ratio	Lower	Upper
75	100		
53	0.0	71.6	107.4#
89	0.0	39.8	59.6#

