

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011322\
 Data File : VD071710.D
 Acq On : 13 Jan 2022 15:19
 Operator : VA/SY
 Sample : N1106-14RE
 Misc : 5.22G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SO-A4-A41-03-6

Quant Time: Jan 14 04:06:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

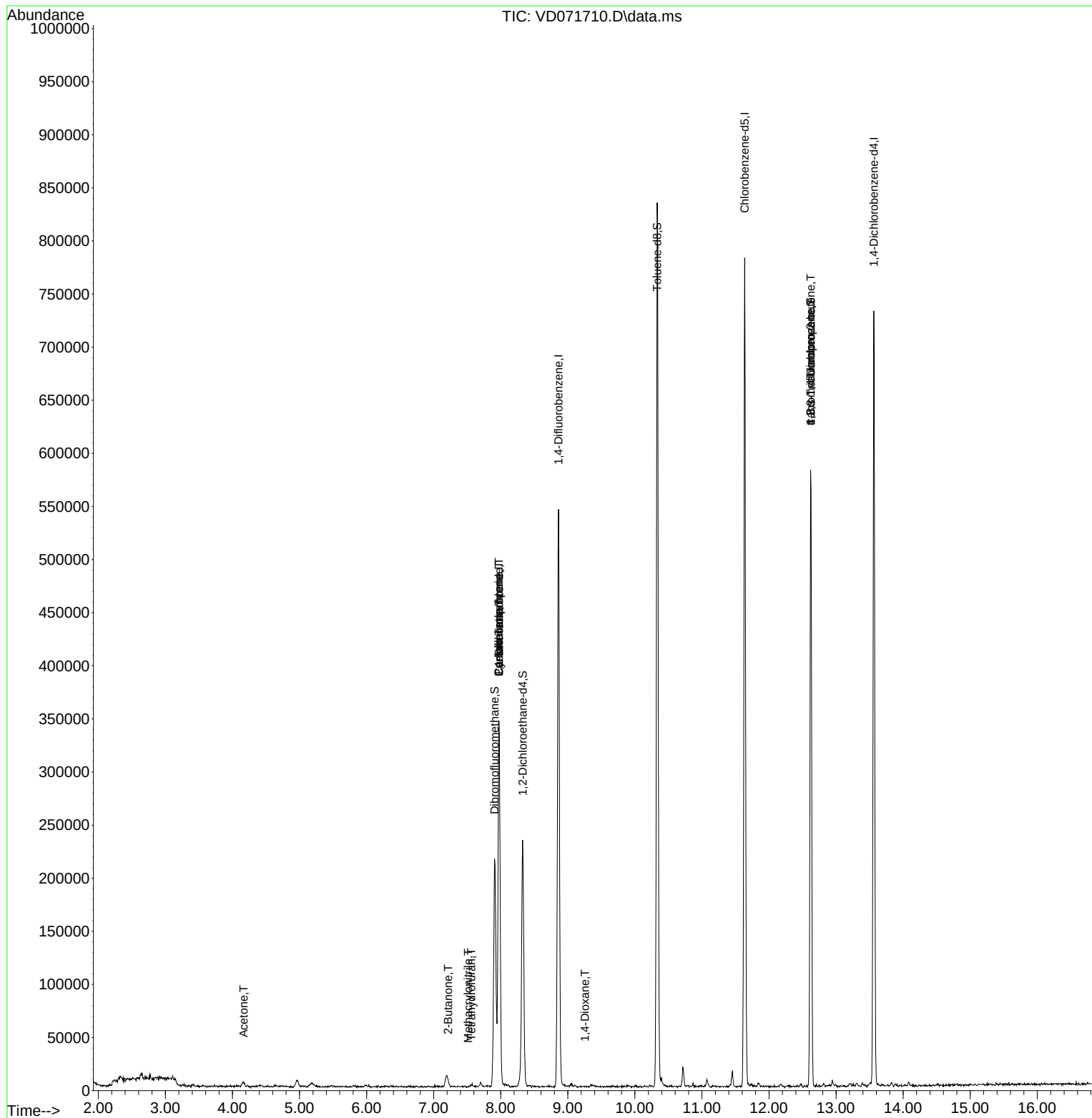
Internal Standards						
1) Pentafluorobenzene	7.973	168	226848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	421418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	398607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	175768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	184012	63.042	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.080%			
35) Dibromofluoromethane	7.908	113	148273	53.239	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.480%			
50) Toluene-d8	10.332	98	539225	51.722	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.620	95	174854	47.597	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	418	Below Cal	#	43
3) Chloromethane	2.215	50	1079	Below Cal		91
5) Bromomethane	2.773	94	1099	Below Cal		100
11) Tert butyl alcohol	5.179	59	4224	Below Cal	#	75
16) Acetone	4.167	43	7178	10.651	ug/l #	76
18) Methyl Acetate	4.632	43	59	Below Cal	#	56
20) Methylene Chloride	4.973	84	3873	Below Cal	#	75
25) 2-Butanone	7.214	43	1103	1.385	ug/l #	56
29) Tetrahydrofuran	7.561	42	1904	4.157	ug/l #	54
31) Cyclohexane	7.973	56	7268	2.108	ug/l #	15
36) 1,1-Dichloropropene	7.973	75	22314	5.617	ug/l #	53
38) Carbon Tetrachloride	7.973	117	24792	6.162	ug/l #	20
41) Methacrylonitrile	7.514	41	117	1.231	ug/l #	25
49) 1,4-Dioxane	9.255	88	62	4.083	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	101951	60.027	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	101951	167.349	ug/l #	3

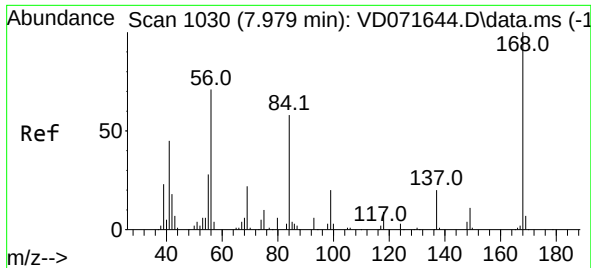
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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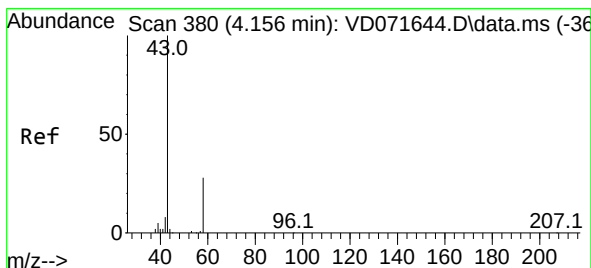
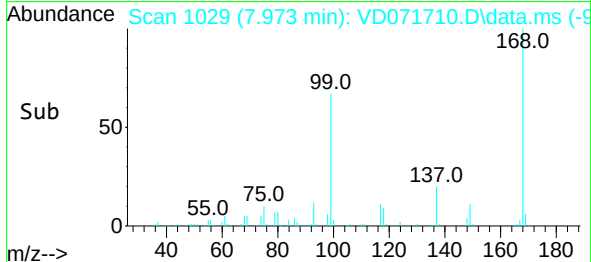
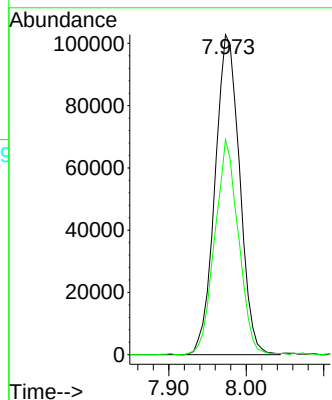
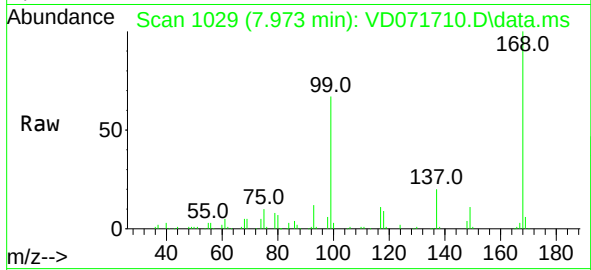




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD071710.D
Acq: 13 Jan 2022 15:19

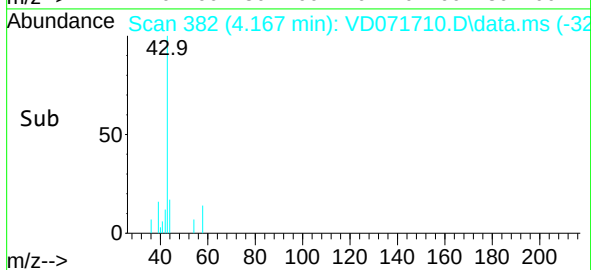
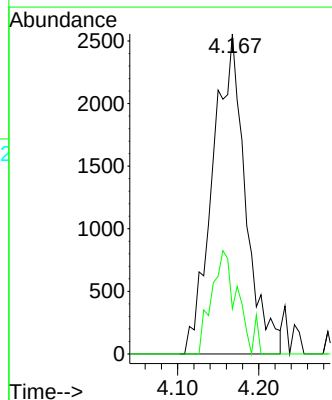
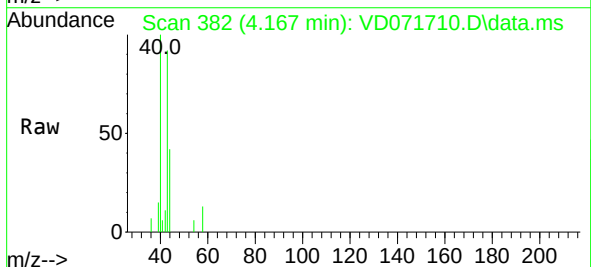
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

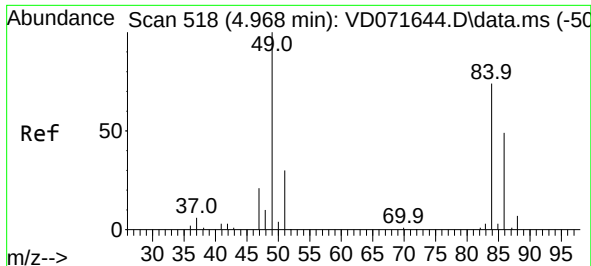
Tgt Ion:168 Resp: 226848
Ion Ratio Lower Upper
168 100
99 67.2 51.8 77.6



#16
Acetone
Concen: 10.651 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD071710.D
Acq: 13 Jan 2022 15:19

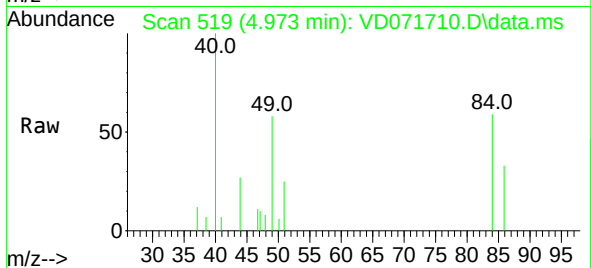
Tgt Ion: 43 Resp: 7178
Ion Ratio Lower Upper
43 100
58 14.2 21.0 31.6#



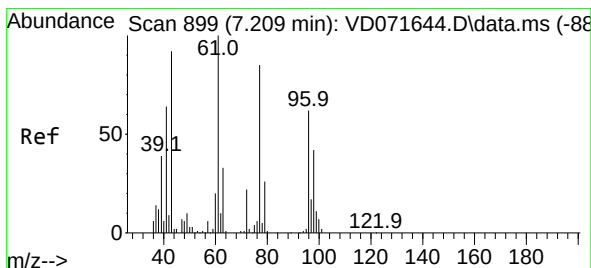
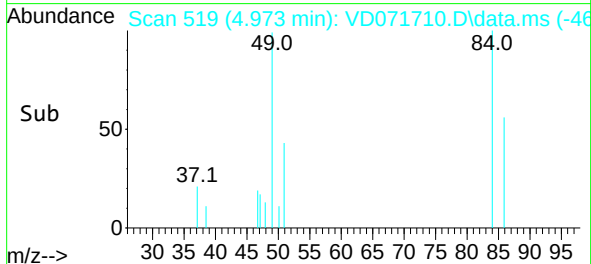
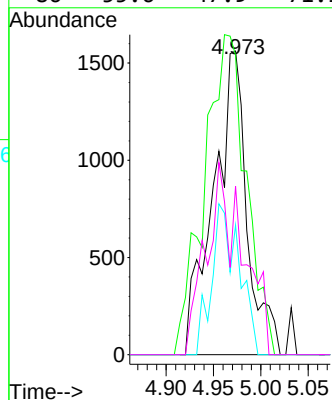


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD071710.D
Acq: 13 Jan 2022 15:19

Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

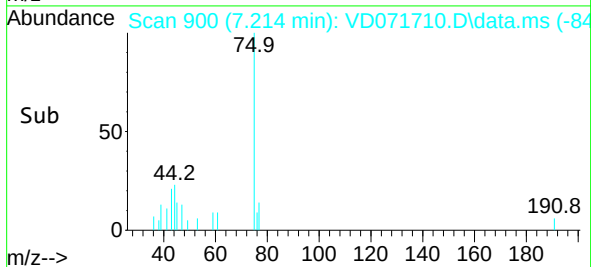
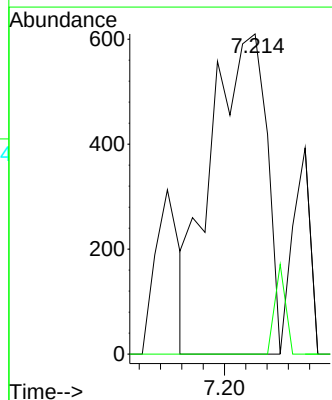
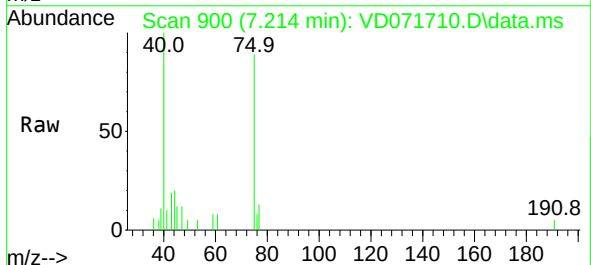


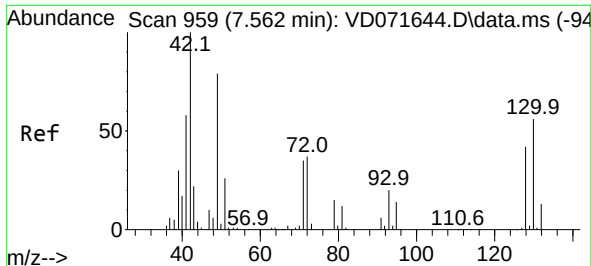
Tgt Ion:	84	Resp:	3873
Ion	Ratio	Lower	Upper
84	100		
49	98.7	118.6	178.0#
51	42.7	37.8	56.6
86	55.6	47.9	71.9



#25
2-Butanone
Concen: 1.385 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD071710.D
Acq: 13 Jan 2022 15:19

Tgt Ion:	43	Resp:	1103
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.4	24.6#





#29

Tetrahydrofuran

Concen: 4.157 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD071710.D

Acq: 13 Jan 2022 15:19

Instrument :

MSVOA_D

ClientSampleId :

SO-A4-A41-03-6

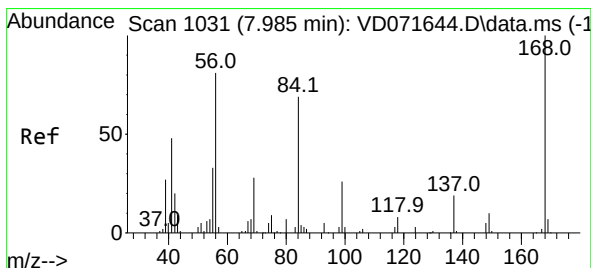
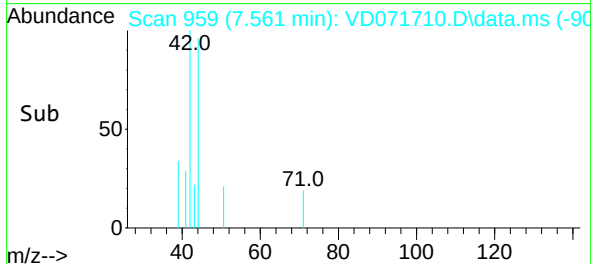
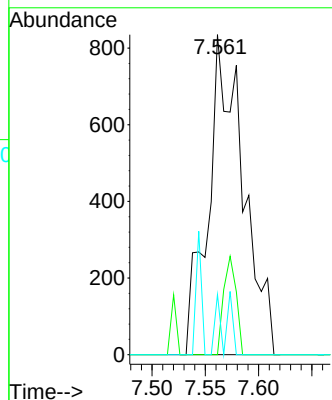
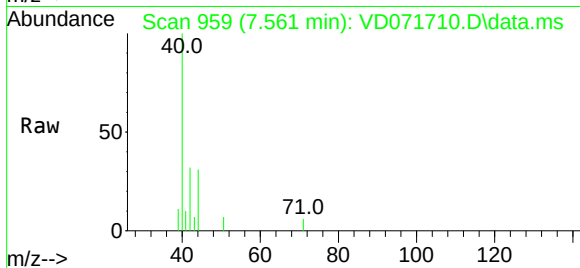
Tgt Ion: 42 Resp: 1904

Ion Ratio Lower Upper

42 100

72 11.0 29.6 44.4#

71 6.0 27.3 40.9#



#31

Cyclohexane

Concen: 2.108 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.017 min

Lab File: VD071710.D

Acq: 13 Jan 2022 15:19

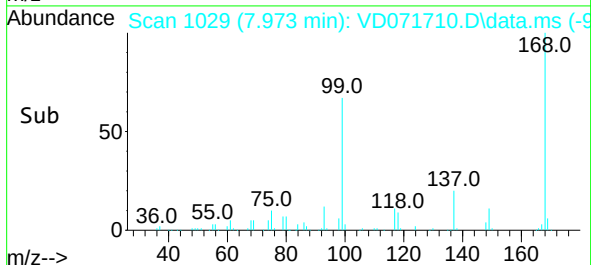
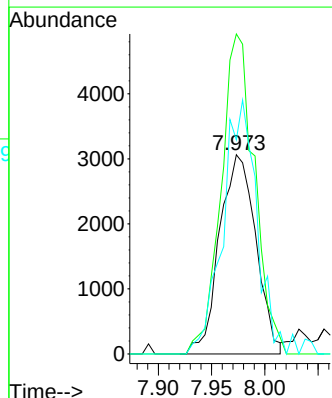
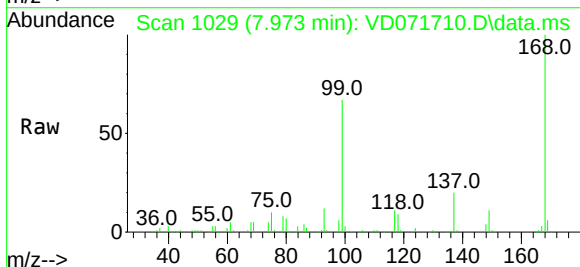
Tgt Ion: 56 Resp: 7268

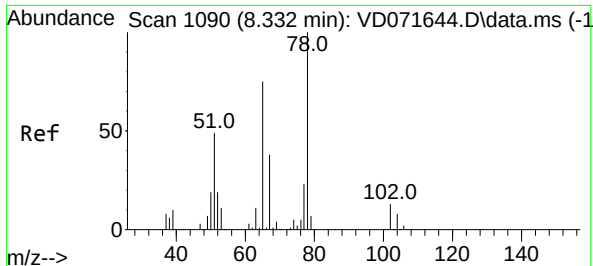
Ion Ratio Lower Upper

56 100

69 160.7 21.7 32.5#

84 107.4 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 63.042 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071710.D

Acq: 13 Jan 2022 15:19

Instrument :

MSVOA_D

ClientSampleId :

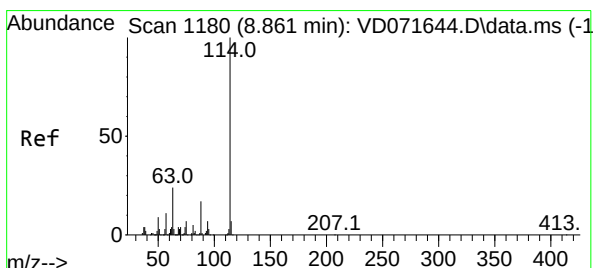
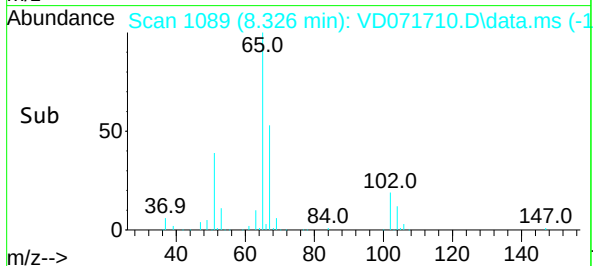
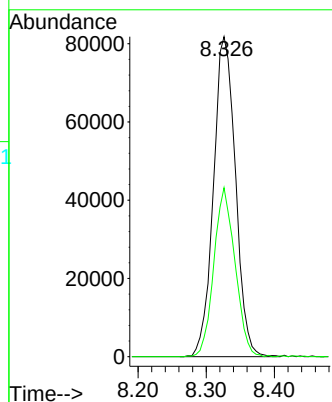
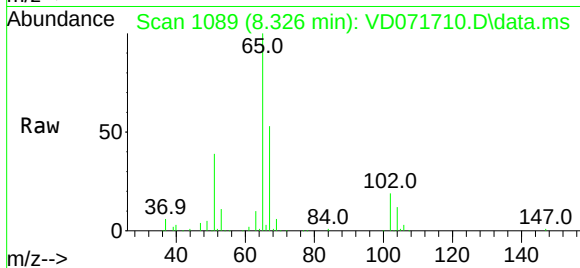
SO-A4-A41-03-6

Tgt Ion: 65 Resp: 184012

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071710.D

Acq: 13 Jan 2022 15:19

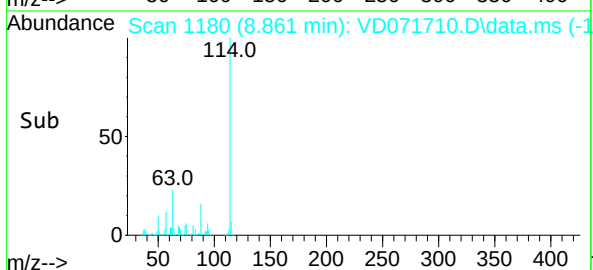
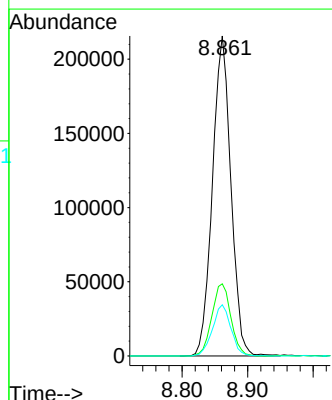
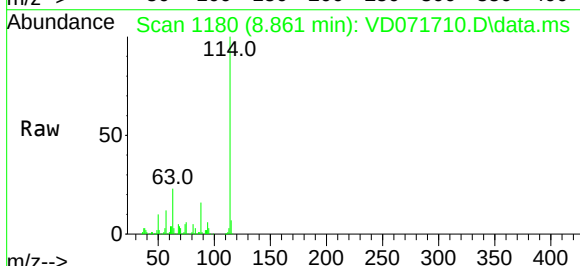
Tgt Ion: 114 Resp: 421418

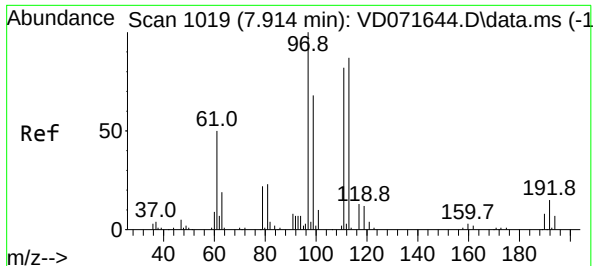
Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.2

88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.239 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071710.D

Acq: 13 Jan 2022 15:19

Instrument :

MSVOA_D

ClientSampleId :

SO-A4-A41-03-6

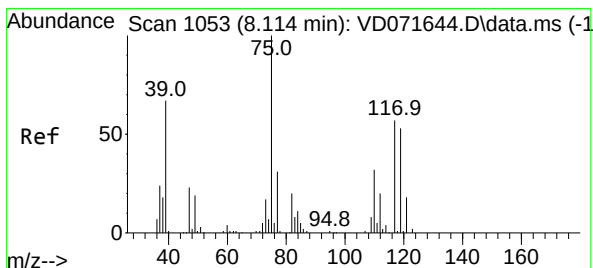
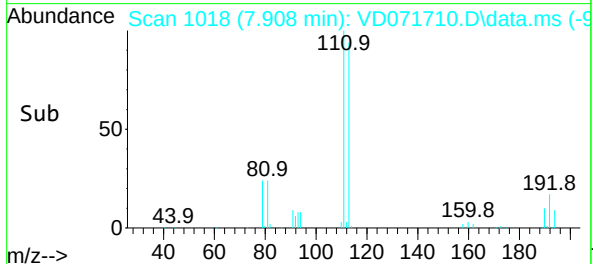
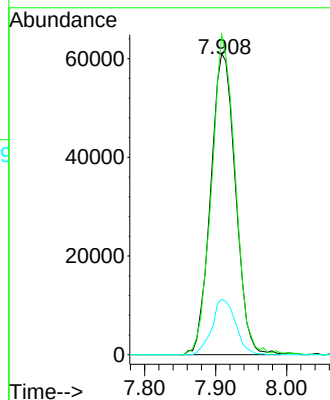
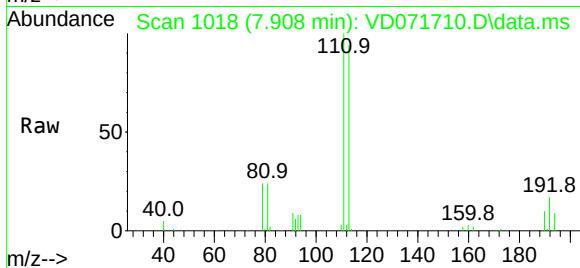
Tgt Ion:113 Resp: 148273

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

192 17.4 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.617 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071710.D

Acq: 13 Jan 2022 15:19

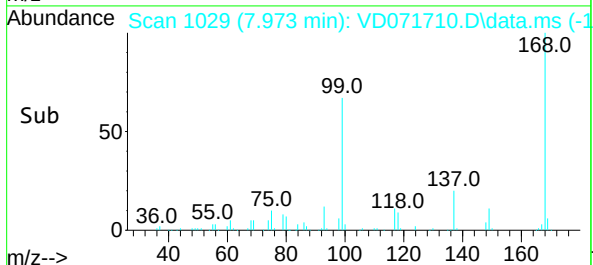
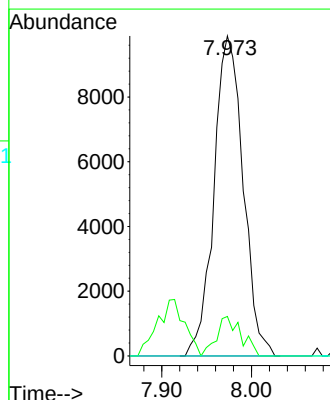
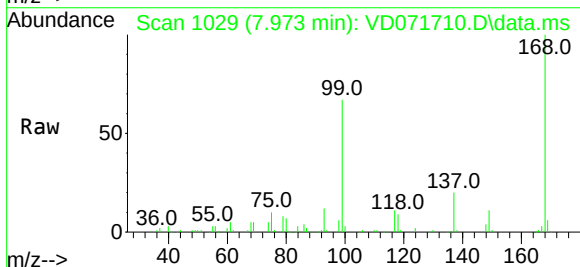
Tgt Ion: 75 Resp: 22314

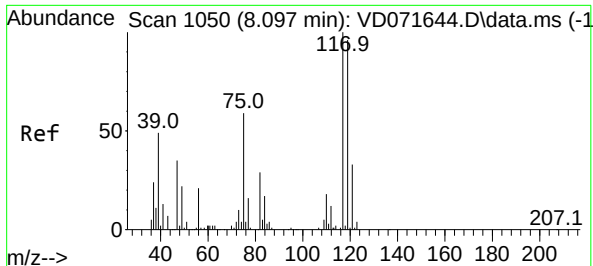
Ion Ratio Lower Upper

75 100

110 10.3 16.0 48.0#

77 0.0 24.5 36.7#

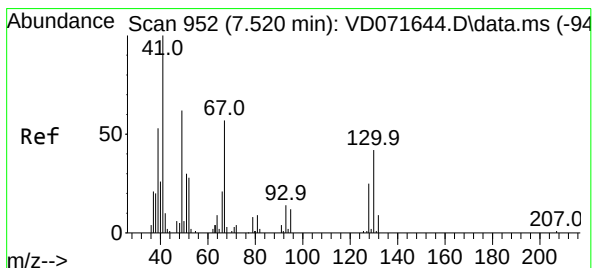
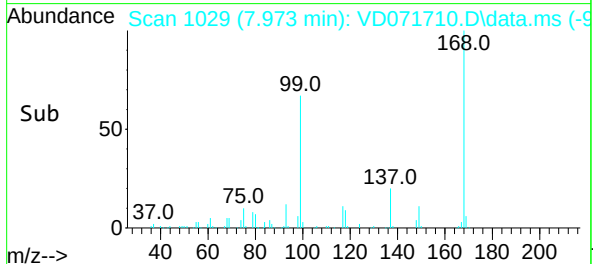
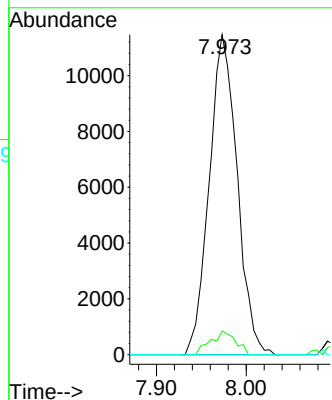
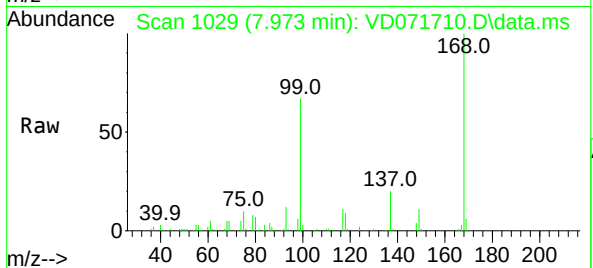




#38
Carbon Tetrachloride
Concen: 6.162 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.123 min
Lab File: VD071710.D
Acq: 13 Jan 2022 15:19

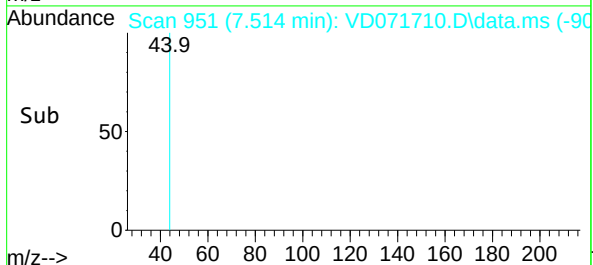
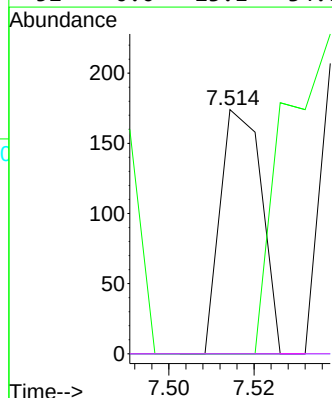
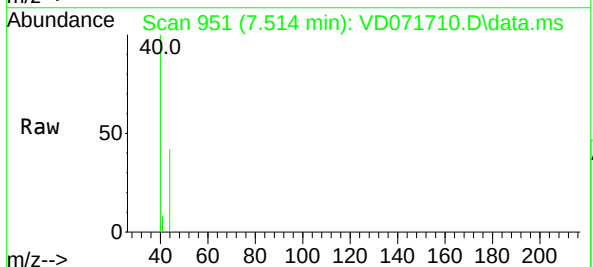
Instrument : MSVOA_D
ClientSampleId : SO-A4-A41-03-6

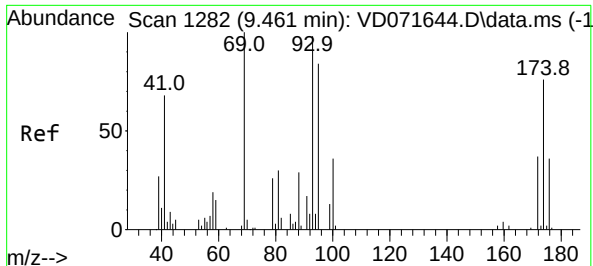
Tgt Ion:117 Resp: 24792
Ion Ratio Lower Upper
117 100
119 7.4 73.4 110.2#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.231 ug/l
RT: 7.514 min Scan# 951
Delta R.T. -0.006 min
Lab File: VD071710.D
Acq: 13 Jan 2022 15:19

Tgt Ion: 41 Resp: 117
Ion Ratio Lower Upper
41 100
39 0.0 46.9 70.3#
67 0.0 49.3 73.9#
52 0.0 23.1 34.7#





#49

1,4-Dioxane

Concen: 4.083 ug/l

RT: 9.255 min Scan# 11

Delta R.T. -0.200 min

Lab File: VD071710.D

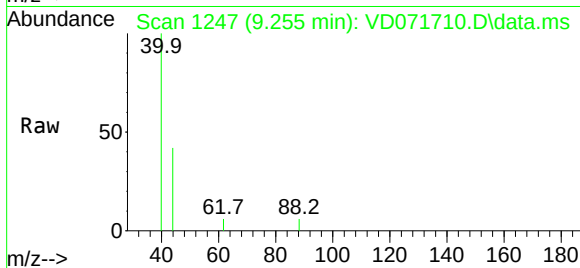
Acq: 13 Jan 2022 15:19

Instrument :

MSVOA_D

ClientSampleId :

SO-A4-A41-03-6



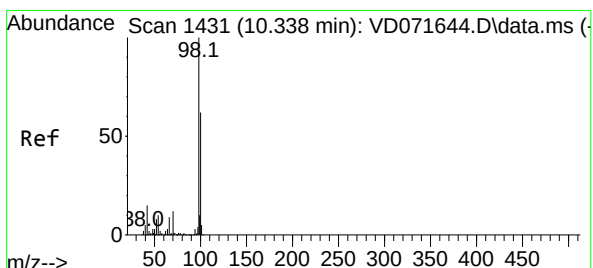
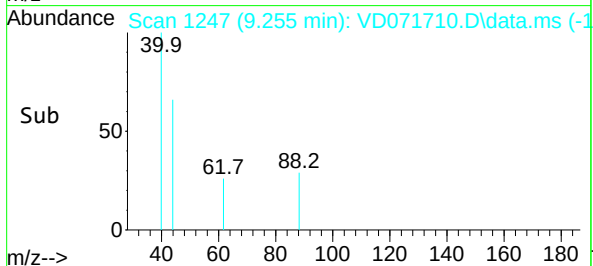
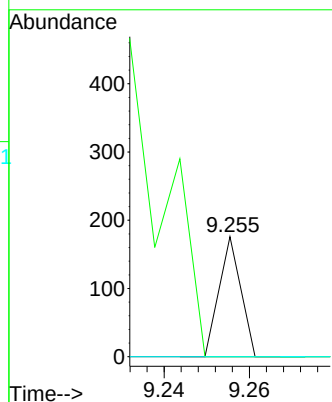
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 34.6 52.0#

58 0.0 62.0 93.0#



#50

Toluene-d8

Concen: 51.722 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.005 min

Lab File: VD071710.D

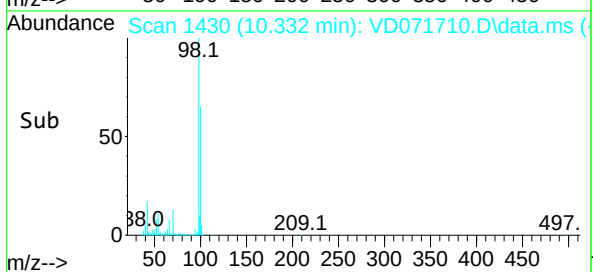
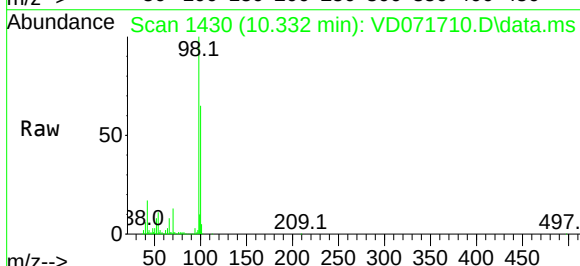
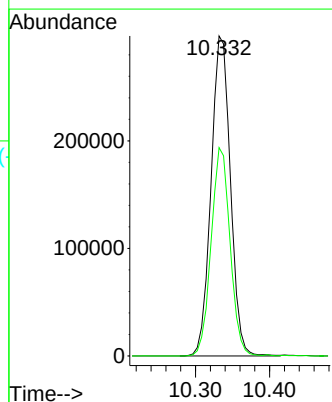
Acq: 13 Jan 2022 15:19

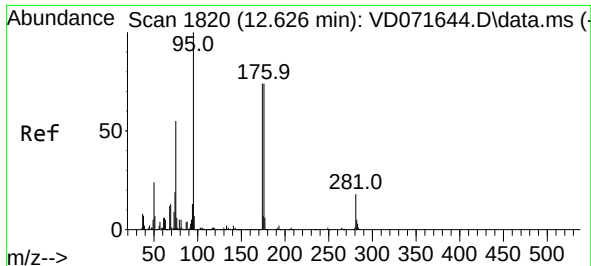
Tgt Ion: 98 Resp: 539225

Ion Ratio Lower Upper

98 100

100 63.7 52.1 78.1

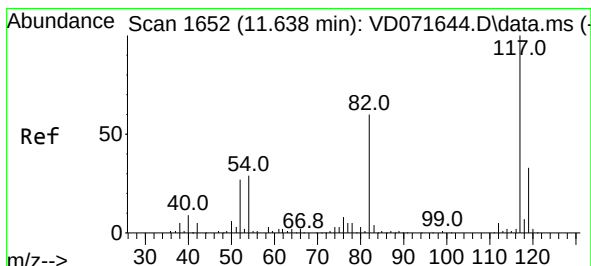
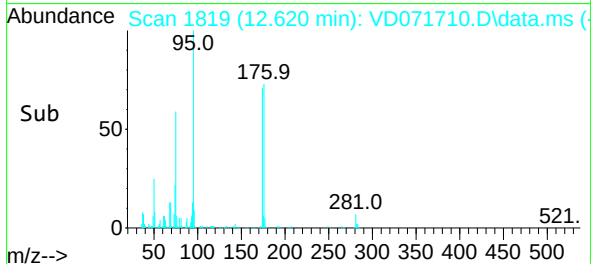
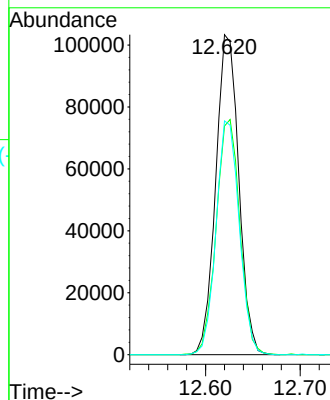
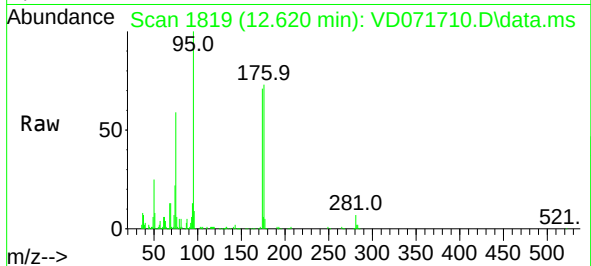




#62
4-Bromofluorobenzene
Concen: 47.597 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071710.D
Acq: 13 Jan 2022 15:19

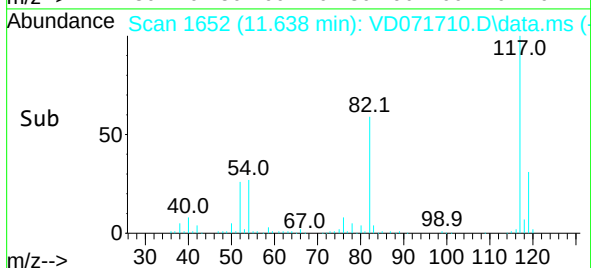
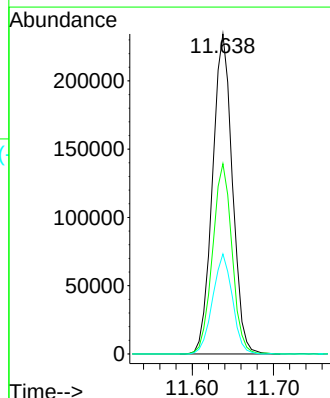
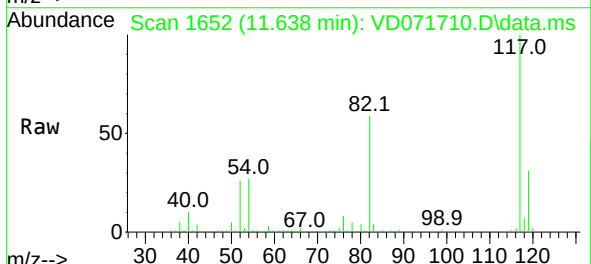
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

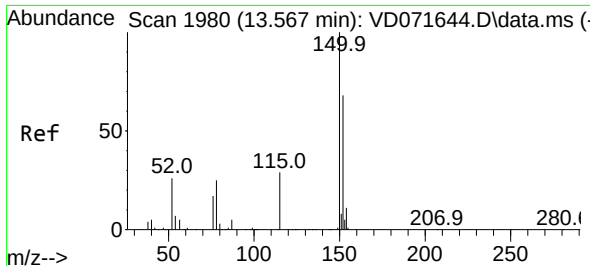
Tgt Ion: 95 Resp: 174854
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.0
176 73.3 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071710.D
Acq: 13 Jan 2022 15:19

Tgt Ion: 117 Resp: 398607
Ion Ratio Lower Upper
117 100
82 59.5 46.9 70.3
119 31.2 26.6 39.8

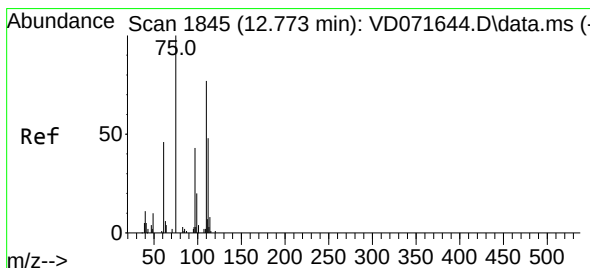
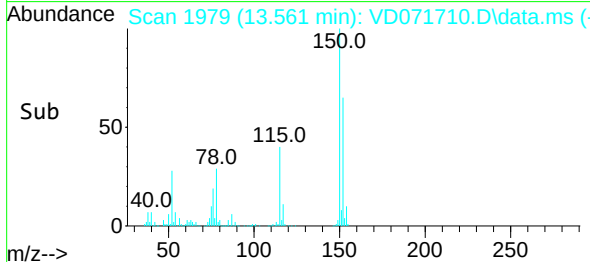
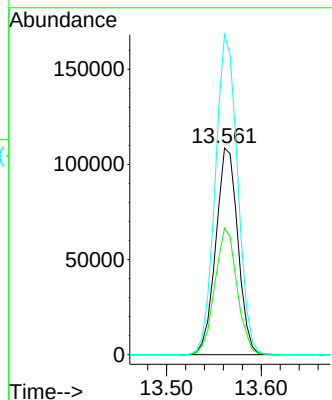
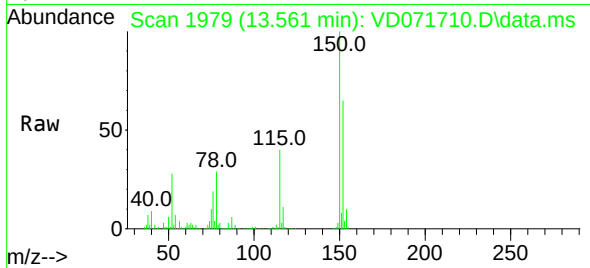




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071710.D
Acq: 13 Jan 2022 15:19

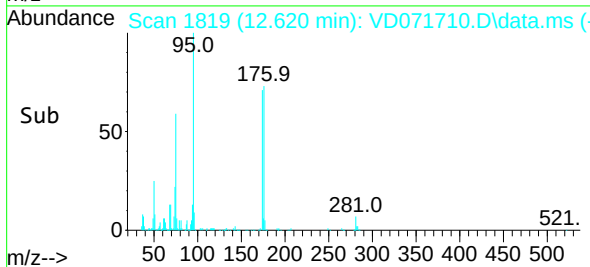
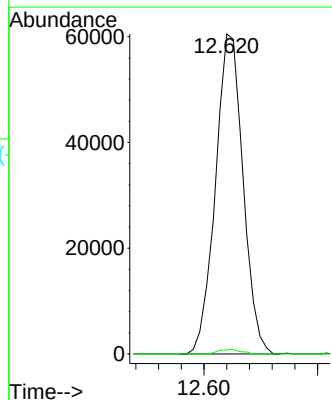
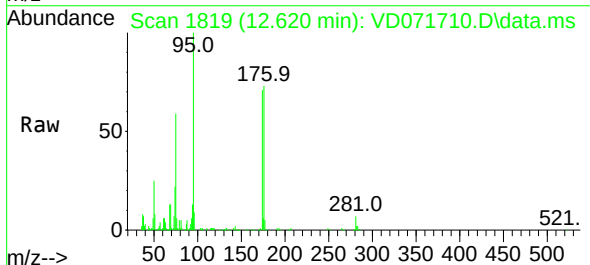
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

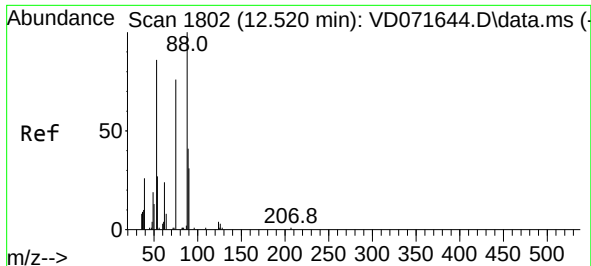
Tgt Ion:152 Resp: 175768
Ion Ratio Lower Upper
152 100
115 61.5 31.5 94.5
150 157.0 0.0 348.0



#76
1,2,3-Trichloropropane
Concen: 60.027 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071710.D
Acq: 13 Jan 2022 15:19

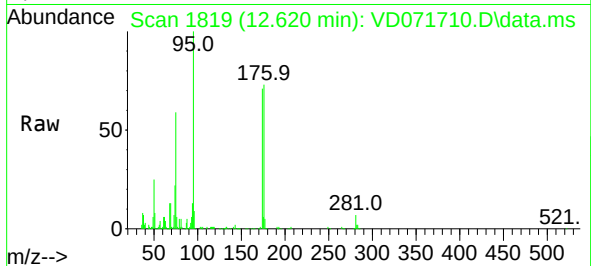
Tgt Ion: 75 Resp: 101951
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 167.349 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071710.D
 Acq: 13 Jan 2022 15:19

Instrument :
 MSVOA_D
 ClientSampleId :
 SO-A4-A41-03-6



Tgt Ion: 75 Resp: 101951
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.4 143.0#
 89 0.1 37.2 55.8#

