

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011322\
 Data File : VD071715.D
 Acq On : 13 Jan 2022 17:43
 Operator : VA/SY
 Sample : N1112-01
 Misc : 4.30G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4S

Quant Time: Jan 14 04:07:02 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)

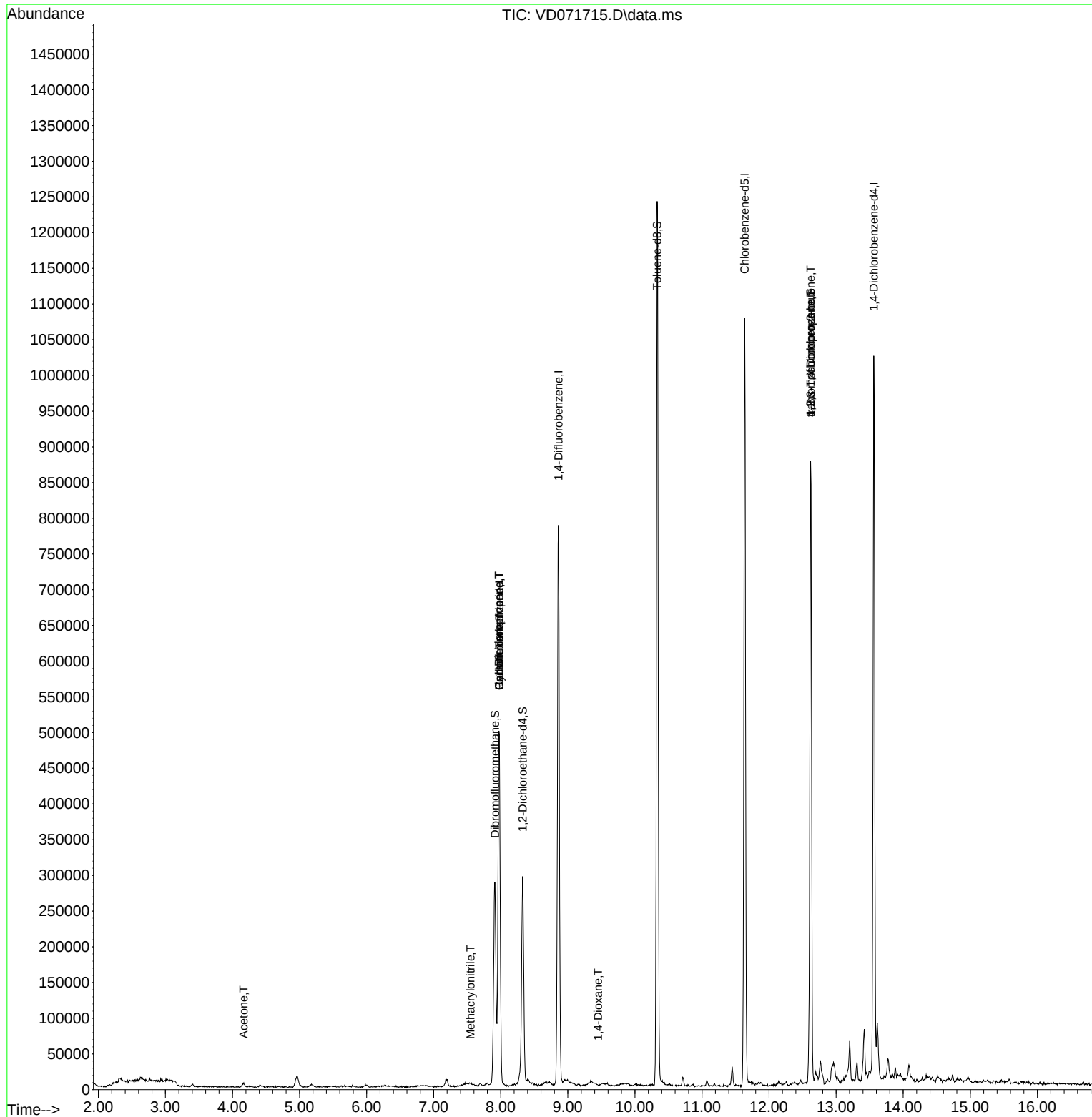
Internal Standards						
1) Pentafluorobenzene	7.979	168	346555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	621018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	559866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	245393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	222282	49.848	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.700%
35) Dibromofluoromethane	7.914	113	199445	48.596	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.200%
50) Toluene-d8	10.332	98	783756	51.015	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.040%
62) 4-Bromofluorobenzene	12.620	95	250016	46.183	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	171	Below Cal	#	43
3) Chloromethane	2.209	50	699	Below Cal	#	43
5) Bromomethane	2.768	94	568	Below Cal	#	22
11) Tert butyl alcohol	5.173	59	1046	Below Cal	#	75
16) Acetone	4.167	43	8871	8.617	ug/l	94
18) Methyl Acetate	4.738	43	134	Below Cal	#	56
31) Cyclohexane	7.979	56	10116	1.949	ug/l	# 25
36) 1,1-Dichloropropene	7.973	75	31602	5.398	ug/l	# 52
38) Carbon Tetrachloride	7.979	117	38271	6.455	ug/l	# 19
41) Methacrylonitrile	7.550	41	98	1.188	ug/l	# 44
49) 1,4-Dioxane	9.450	88	53	2.369	ug/l	# 1
76) 1,2,3-Trichloropropane	12.620	75	148496	62.625	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	148496	174.592	ug/l	# 3

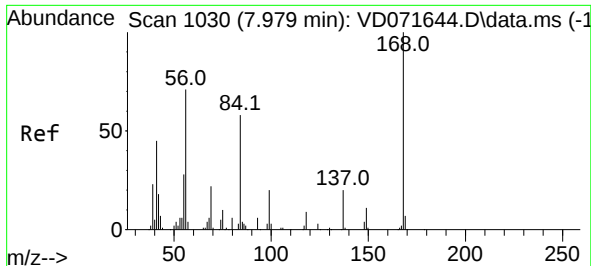
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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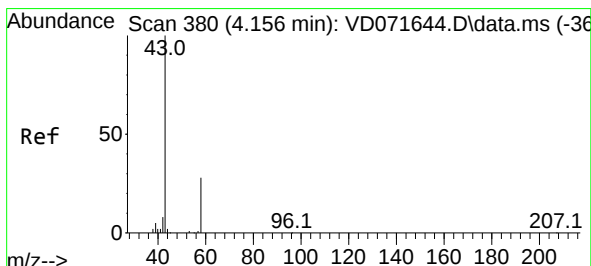
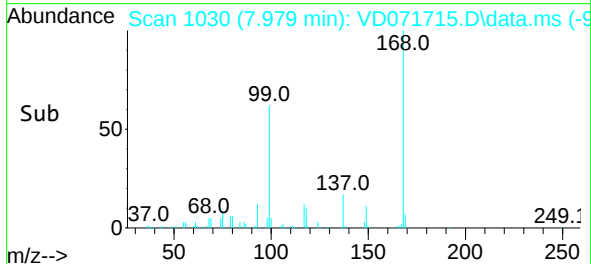
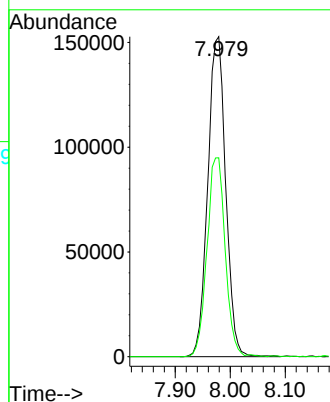
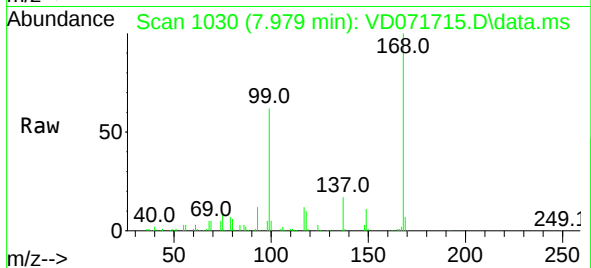




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071715.D
Acq: 13 Jan 2022 17:43

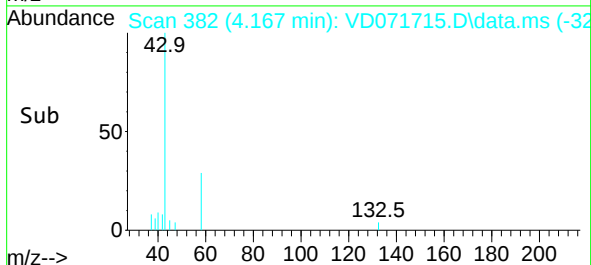
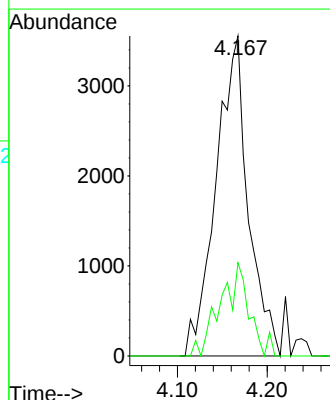
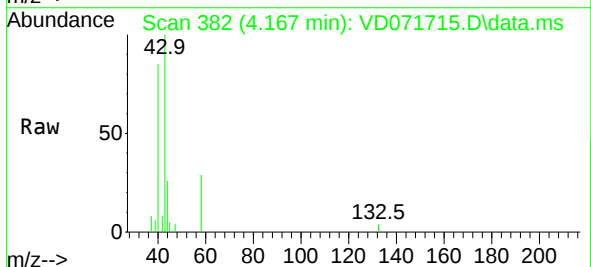
Instrument :
MSVOA_D
ClientSampleId :
TP-4S

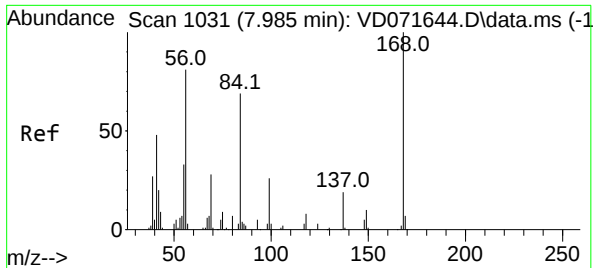
Tgt Ion:168 Resp: 346555
Ion Ratio Lower Upper
168 100
99 62.1 51.8 77.6



#16
Acetone
Concen: 8.617 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD071715.D
Acq: 13 Jan 2022 17:43

Tgt Ion: 43 Resp: 8871
Ion Ratio Lower Upper
43 100
58 29.1 21.0 31.6

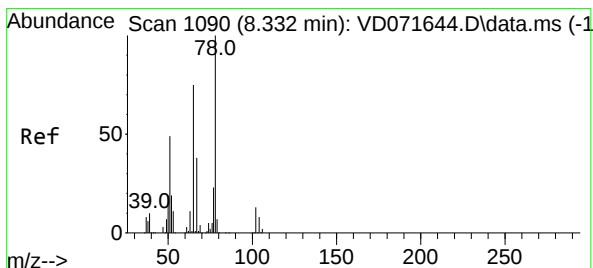
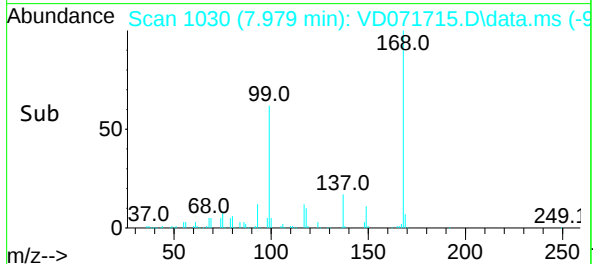
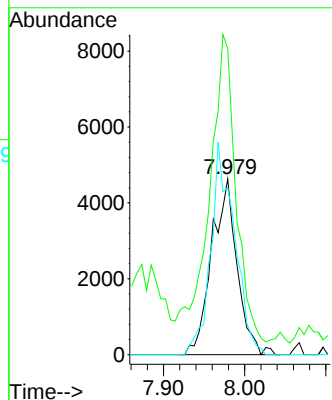
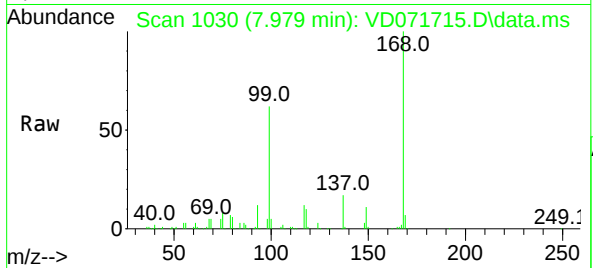




#31
Cyclohexane
Concen: 1.949 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD071715.D
Acq: 13 Jan 2022 17:43

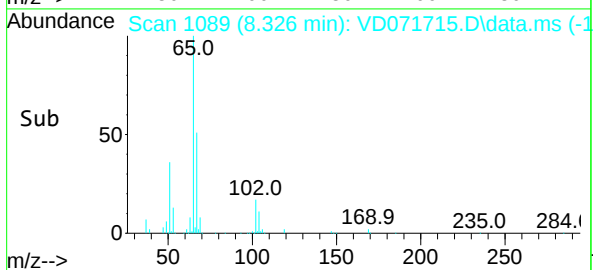
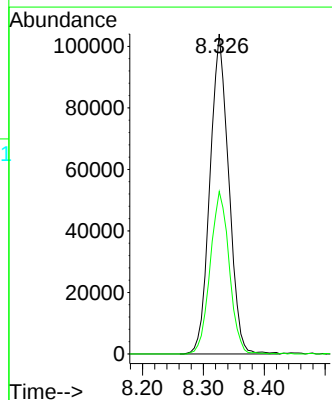
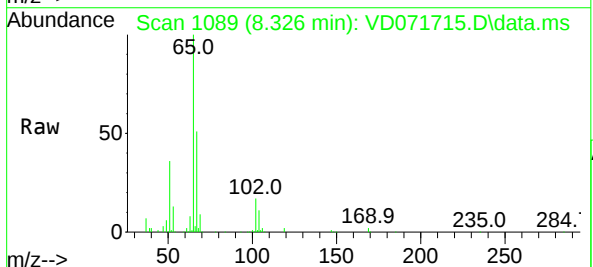
Instrument :
MSVOA_D
ClientSampleId :
TP-4S

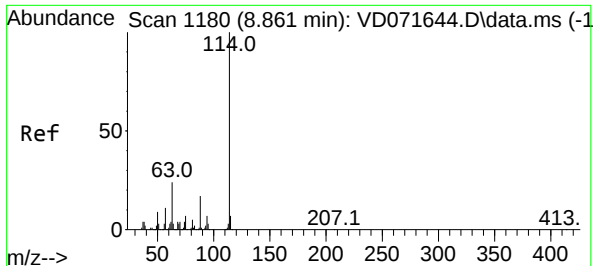
Tgt Ion: 56 Resp: 10116
Ion Ratio Lower Upper
56 100
69 161.4 21.7 32.5#
84 94.9 65.7 98.5



#33
1,2-Dichloroethane-d4
Concen: 49.848 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD071715.D
Acq: 13 Jan 2022 17:43

Tgt Ion: 65 Resp: 222282
Ion Ratio Lower Upper
65 100
67 51.6 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: VD071715.D

Acq: 13 Jan 2022 17:43

Instrument :

MSVOA_D

ClientSampleId :

TP-4S

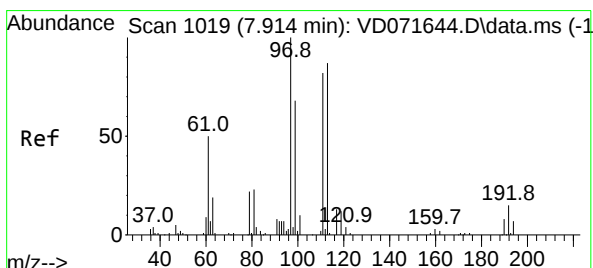
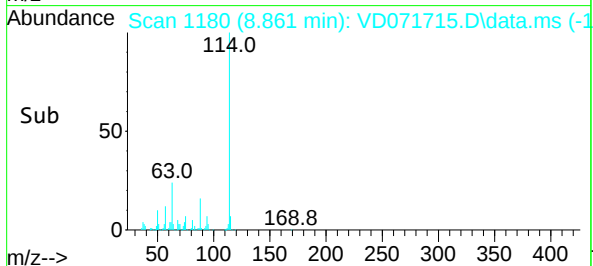
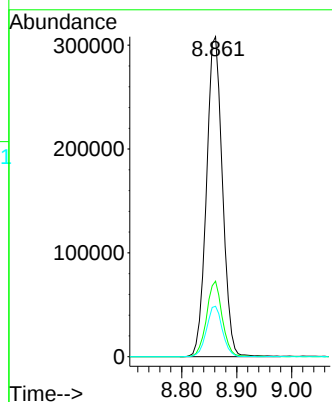
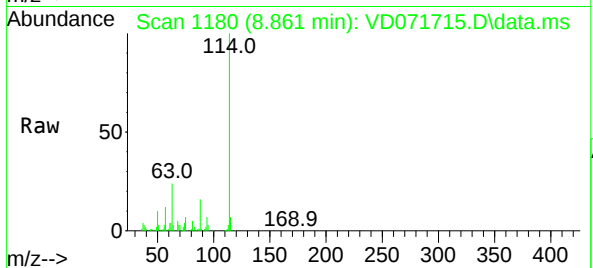
Tgt Ion:114 Resp: 621018

Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.2

88 15.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 48.596 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071715.D

Acq: 13 Jan 2022 17:43

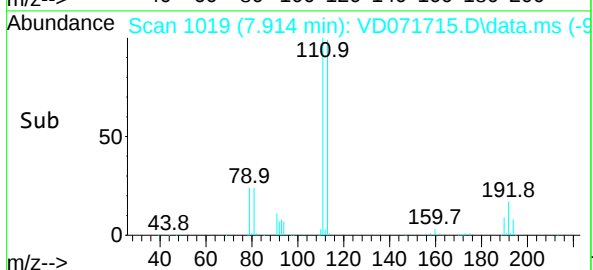
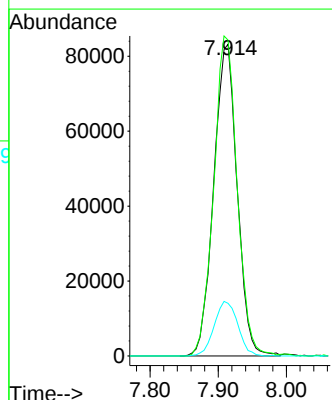
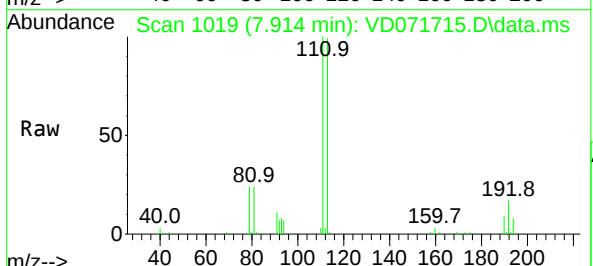
Tgt Ion:113 Resp: 199445

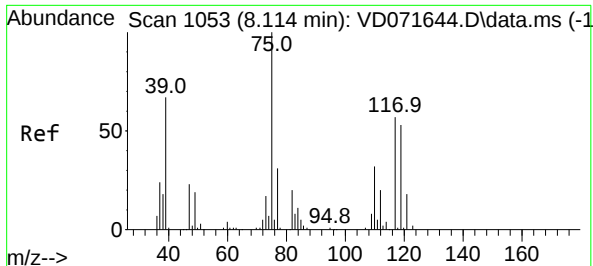
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

192 17.6 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.398 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071715.D

Acq: 13 Jan 2022 17:43

Instrument :

MSVOA_D

ClientSampleId :

TP-4S

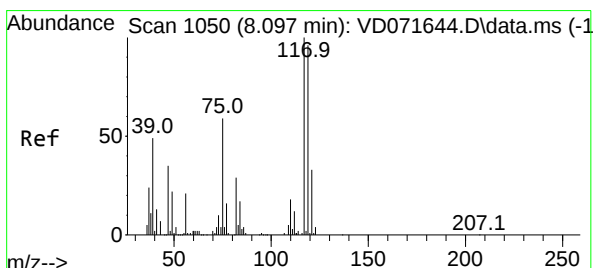
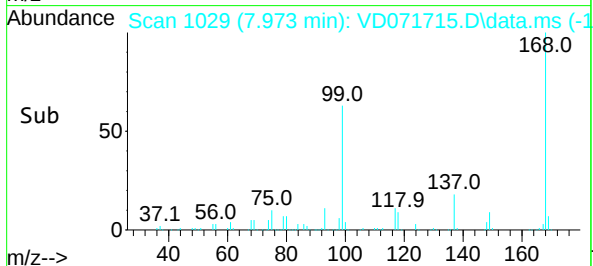
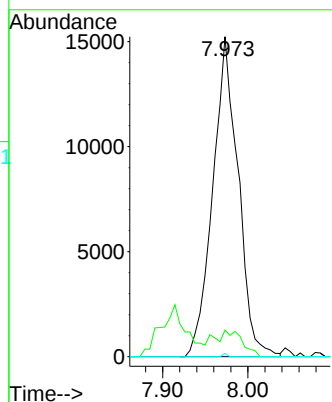
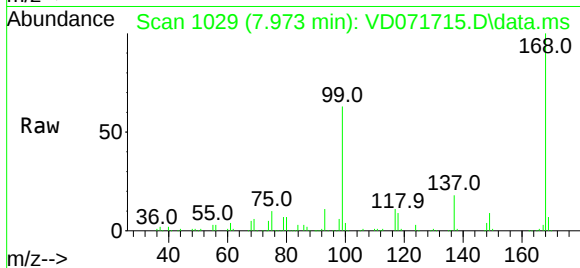
Tgt Ion: 75 Resp: 31602

Ion Ratio Lower Upper

75 100

110 9.2 16.0 48.0#

77 0.2 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.455 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.117 min

Lab File: VD071715.D

Acq: 13 Jan 2022 17:43

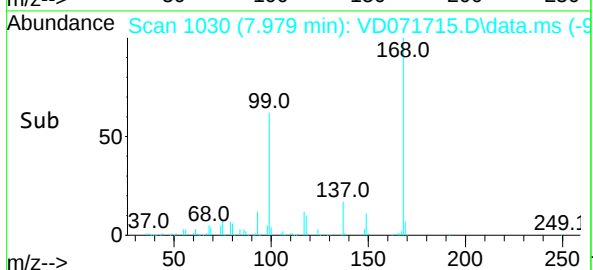
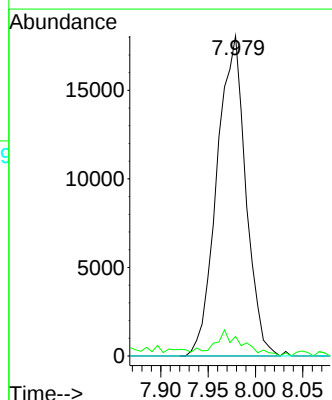
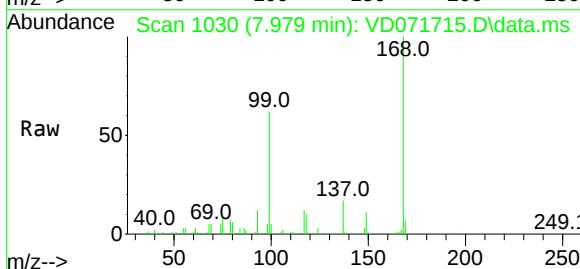
Tgt Ion: 117 Resp: 38271

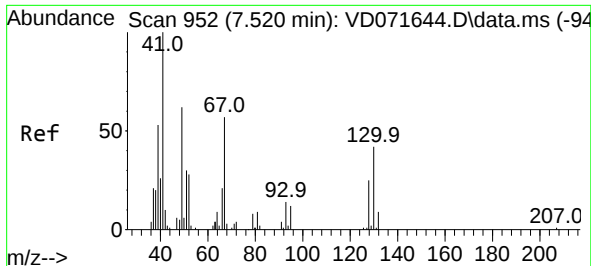
Ion Ratio Lower Upper

117 100

119 6.1 73.4 110.2#

121 0.0 23.9 35.9#

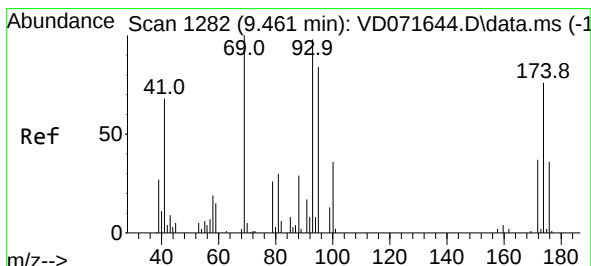
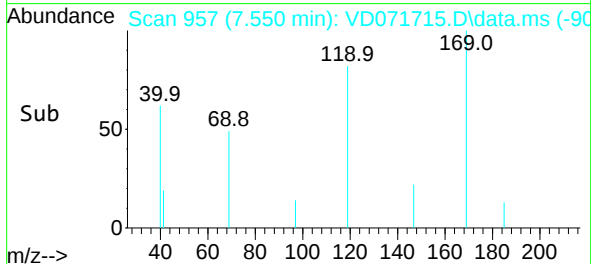
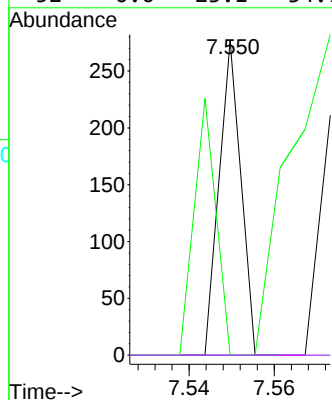
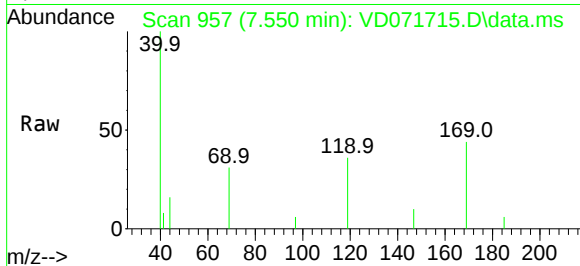




#41
Methacrylonitrile
Concen: 1.188 ug/l
RT: 7.550 min Scan# 91
Delta R.T. 0.030 min
Lab File: VD071715.D
Acq: 13 Jan 2022 17:43

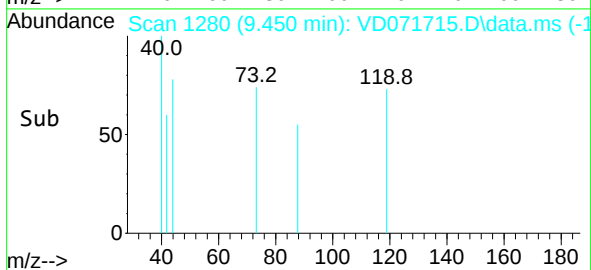
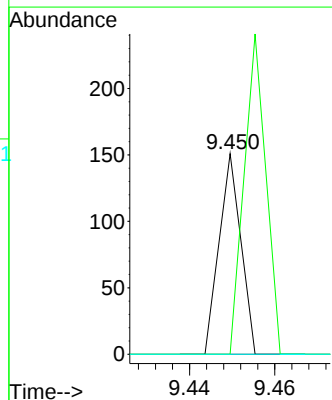
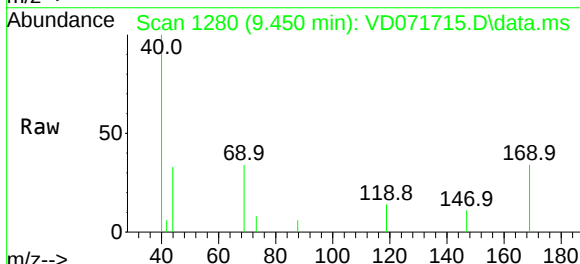
Instrument :
MSVOA_D
ClientSampleId :
TP-4S

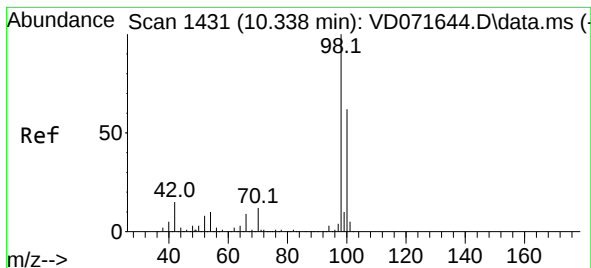
Tgt Ion:	41	Resp:	98
Ion	Ratio	Lower	Upper
41	100		
39	81.6	46.9	70.3#
67	0.0	49.3	73.9#
52	0.0	23.1	34.7#



#49
1,4-Dioxane
Concen: 2.369 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.005 min
Lab File: VD071715.D
Acq: 13 Jan 2022 17:43

Tgt Ion:	88	Resp:	53
Ion	Ratio	Lower	Upper
88	100		
43	160.4	34.6	52.0#
58	0.0	62.0	93.0#





#50

Toluene-d8

Concen: 51.015 ug/l

RT: 10.332 min Scan# 1431

Delta R.T. -0.005 min

Lab File: VD071715.D

Acq: 13 Jan 2022 17:43

Instrument :

MSVOA_D

ClientSampleId :

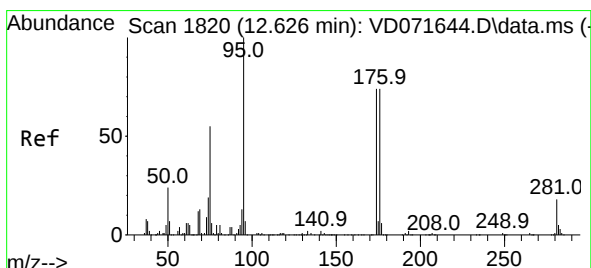
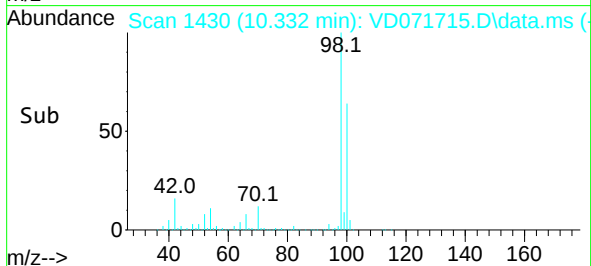
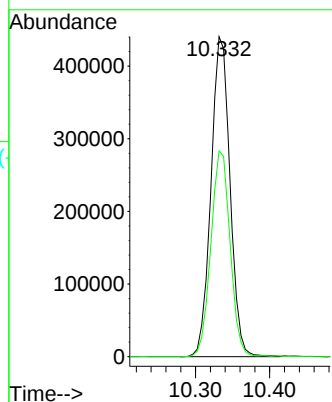
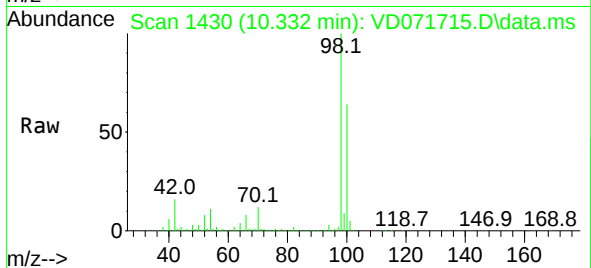
TP-4S

Tgt Ion: 98 Resp: 783756

Ion Ratio Lower Upper

98 100

100 65.2 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 46.183 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.006 min

Lab File: VD071715.D

Acq: 13 Jan 2022 17:43

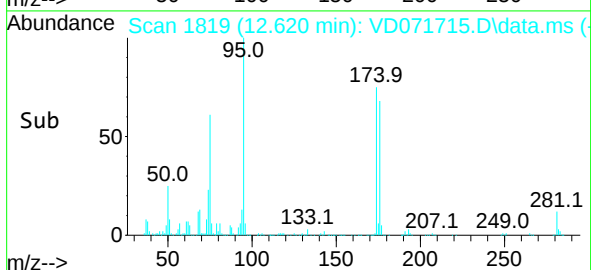
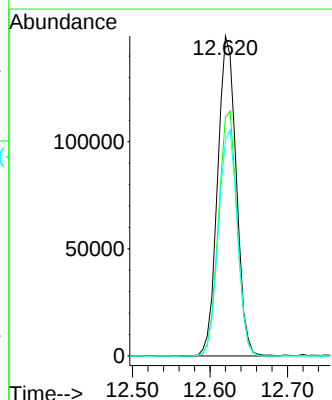
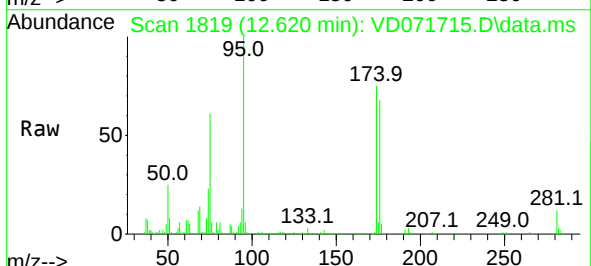
Tgt Ion: 95 Resp: 250016

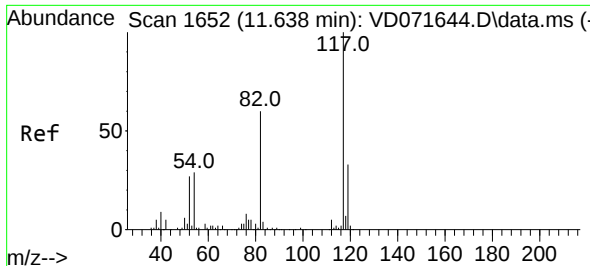
Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.0

176 71.8 0.0 146.4

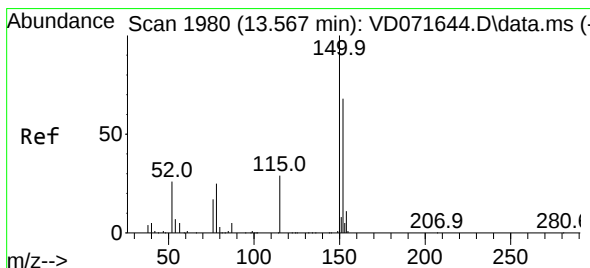
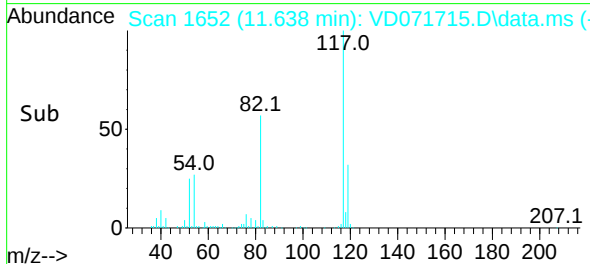
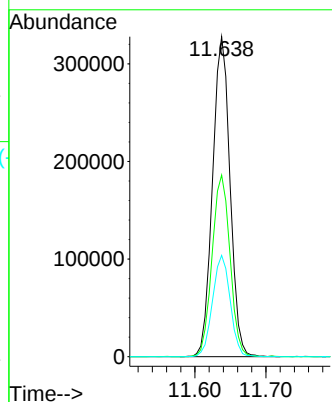
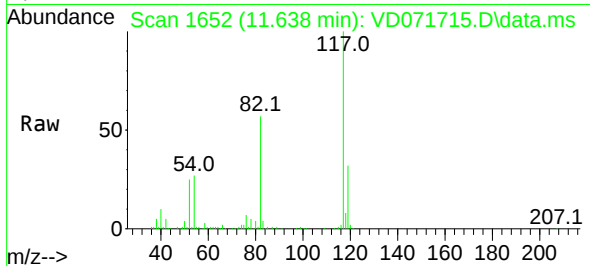




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.001 min
Lab File: VD071715.D
Acq: 13 Jan 2022 17:43

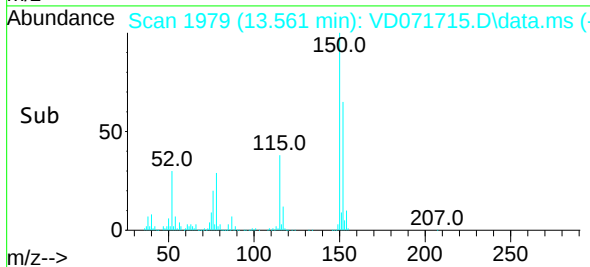
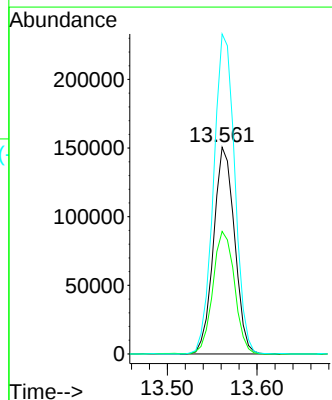
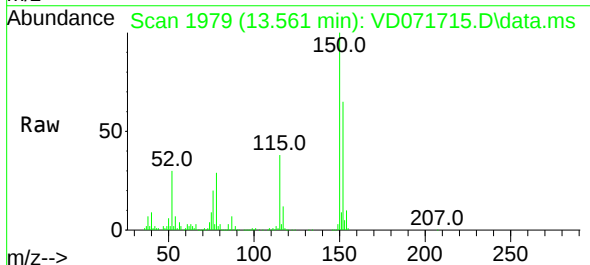
Instrument :
MSVOA_D
ClientSampleId :
TP-4S

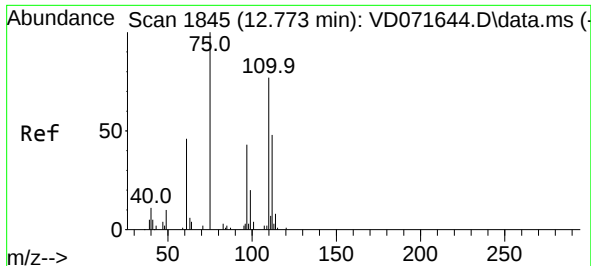
Tgt Ion:117 Resp: 559866
Ion Ratio Lower Upper
117 100
82 56.8 46.9 70.3
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071715.D
Acq: 13 Jan 2022 17:43

Tgt Ion:152 Resp: 245393
Ion Ratio Lower Upper
152 100
115 61.0 31.5 94.5
150 156.4 0.0 348.0

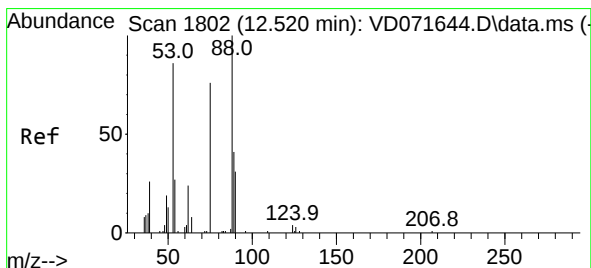
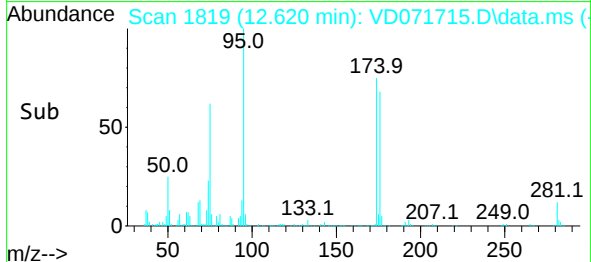
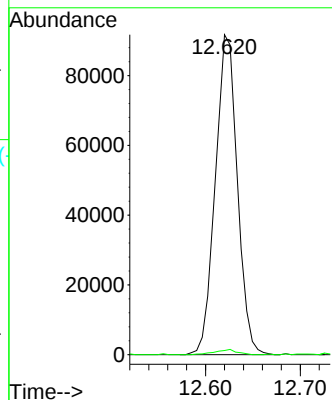
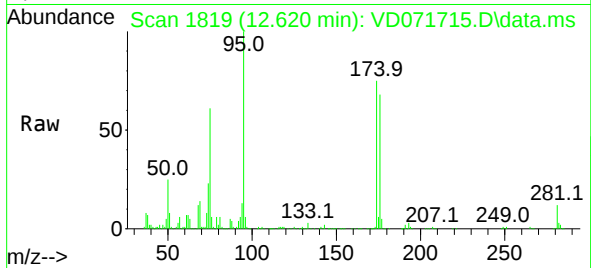




#76
1,2,3-Trichloropropane
Concen: 62.625 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071715.D
Acq: 13 Jan 2022 17:43

Instrument :
MSVOA_D
ClientSampleId :
TP-4S

Tgt Ion: 75 Resp: 148496
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 174.592 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071715.D
Acq: 13 Jan 2022 17:43

Tgt Ion: 75 Resp: 148496
Ion Ratio Lower Upper
75 100
53 0.0 95.4 143.0#
89 0.3 37.2 55.8#

