

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012822\
 Data File : VD071819.D
 Acq On : 28 Jan 2022 12:57
 Operator : VA/SY
 Sample : N1319-01RE
 Misc : 9.98G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-1S

Quant Time: Jan 29 04:51:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

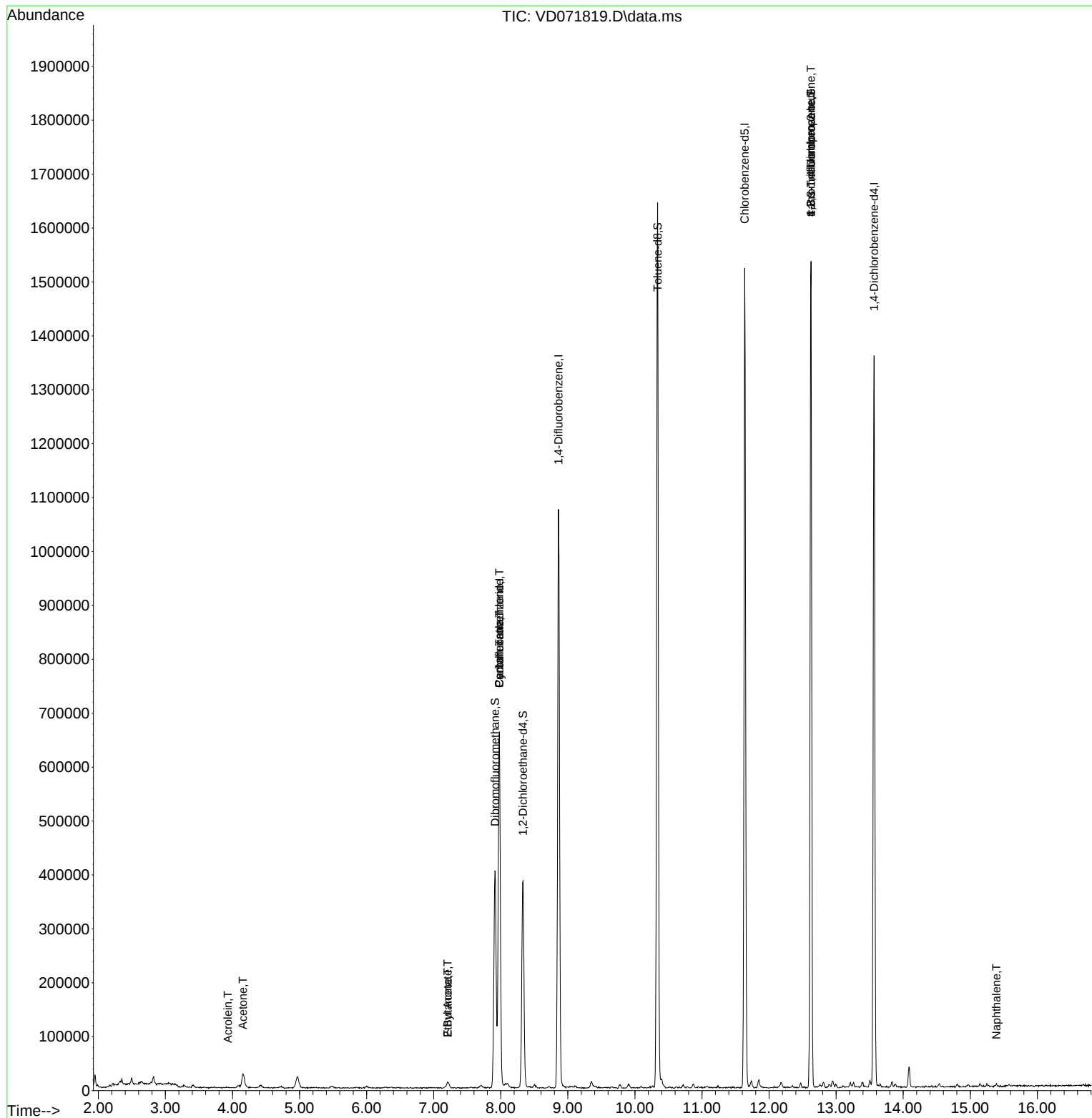
Internal Standards						
1) Pentafluorobenzene	7.979	168	447569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	862039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	786117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	335813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	316419	55.934	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.860%	
35) Dibromofluoromethane	7.914	113	283137	49.967	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.940%	
50) Toluene-d8	10.337	98	1078111	50.945	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.900%	
62) 4-Bromofluorobenzene	12.625	95	360530	48.785	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.580%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.196	59	789	Below Cal	#	74
13) Acrolein	3.932	56	581	1.156	ug/l #	31
16) Acetone	4.155	43	47314	30.554	ug/l	96
20) Methylene Chloride	4.973	84	14158	Below Cal		91
25) 2-Butanone	7.208	43	10598	5.871	ug/l	99
31) Cyclohexane	7.979	56	14741	1.365	ug/l #	27
37) Ethyl Acetate	7.208	43	10598	2.344	ug/l #	81
38) Carbon Tetrachloride	7.979	117	49564	5.153	ug/l #	17
76) 1,2,3-Trichloropropane	12.625	75	202269	57.153	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.625	75	202269	140.527	ug/l #	8
95) Naphthalene	15.390	128	3120	1.714	ug/l #	92

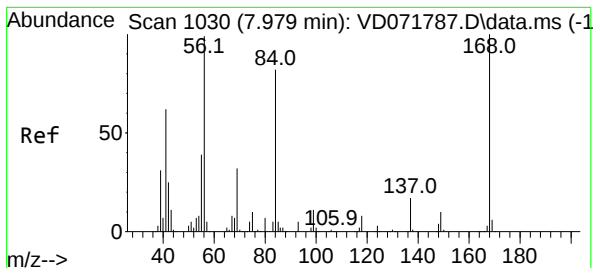
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD071819.D

Acq: 28 Jan 2022 12:57

Instrument :

MSVOA_D

ClientSampleId :

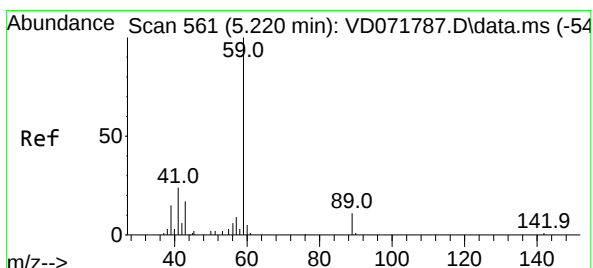
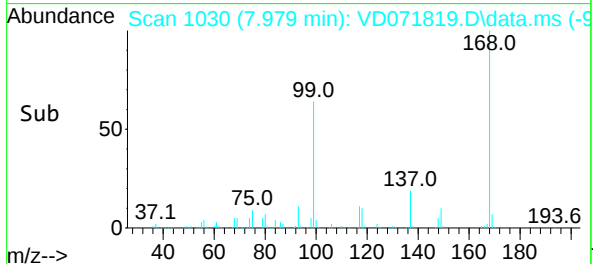
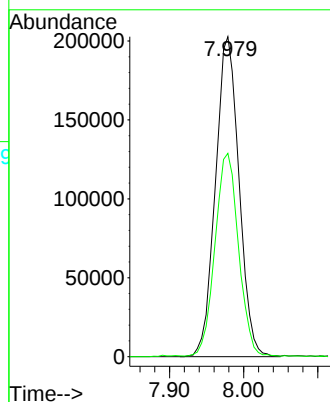
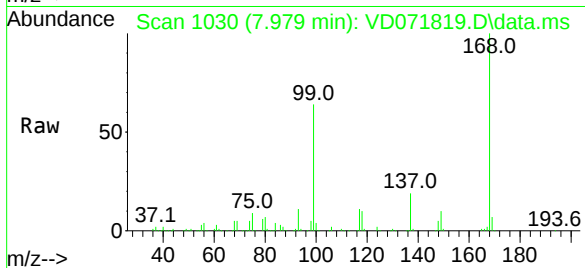
MH-1S

Tgt Ion:168 Resp: 447569

Ion Ratio Lower Upper

168 100

99 63.4 49.8 74.6



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.196 min Scan# 557

Delta R.T. -0.024 min

Lab File: VD071819.D

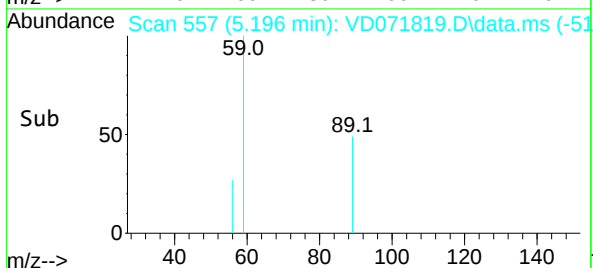
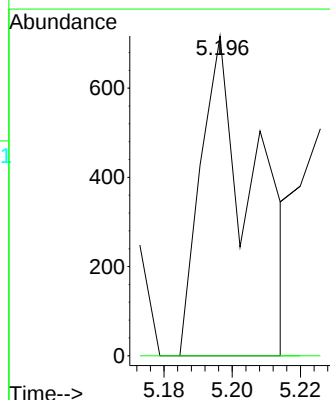
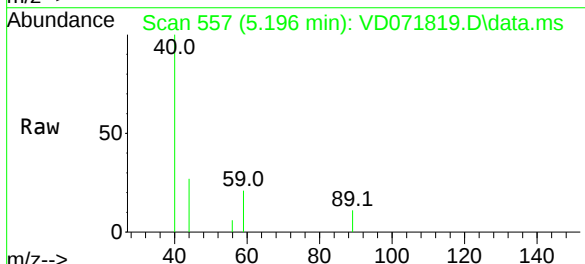
Acq: 28 Jan 2022 12:57

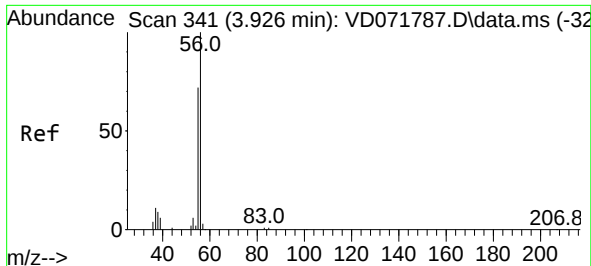
Tgt Ion: 59 Resp: 789

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#

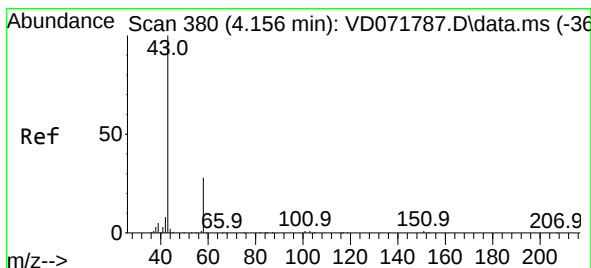
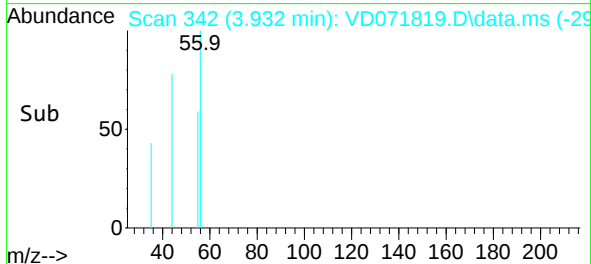
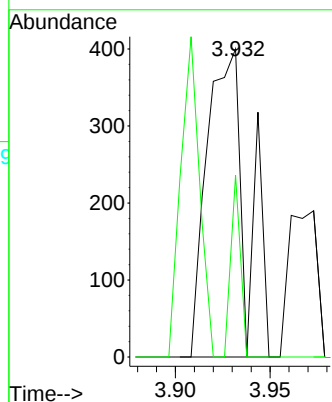
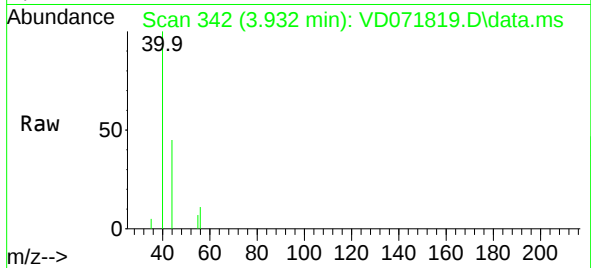




#13
Acrolein
Concen: 1.156 ug/l
RT: 3.932 min Scan# 341
Delta R.T. 0.005 min
Lab File: VD071819.D
Acq: 28 Jan 2022 12:57

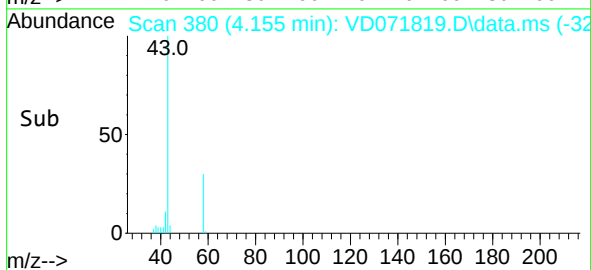
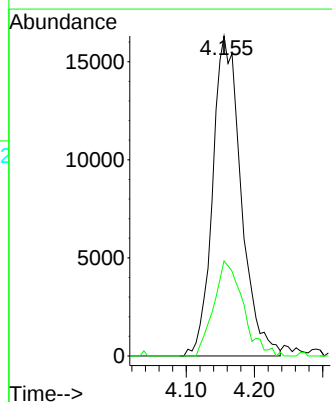
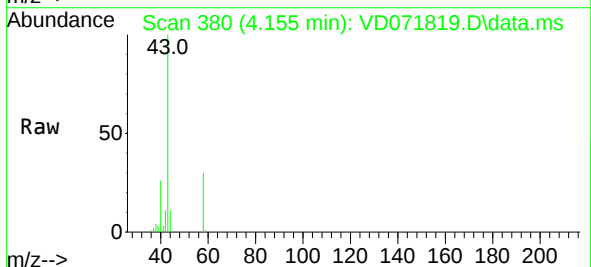
Instrument :
MSVOA_D
ClientSampleId :
MH-1S

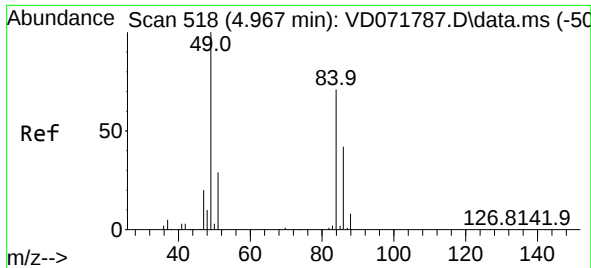
Tgt Ion: 56 Resp: 581
Ion Ratio Lower Upper
56 100
55 14.3 57.1 85.7#



#16
Acetone
Concen: 30.554 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071819.D
Acq: 28 Jan 2022 12:57

Tgt Ion: 43 Resp: 47314
Ion Ratio Lower Upper
43 100
58 29.7 22.1 33.1

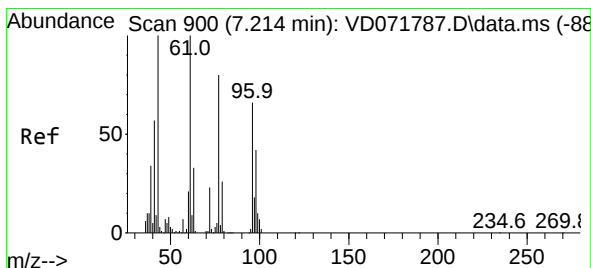
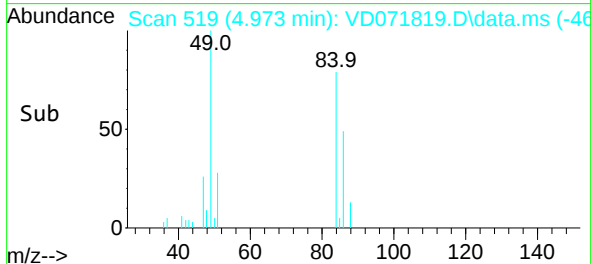
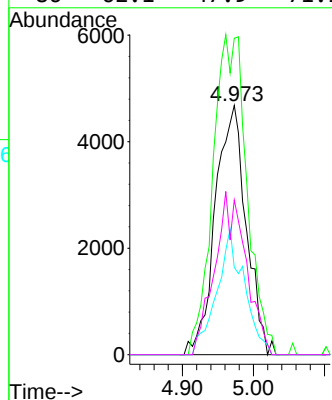
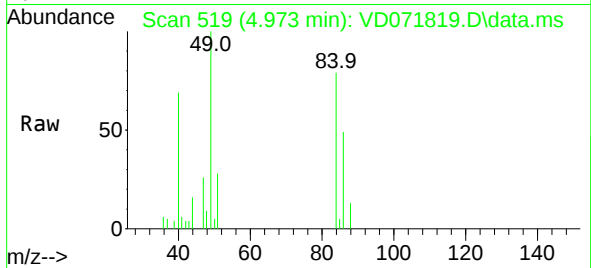




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD071819.D
Acq: 28 Jan 2022 12:57

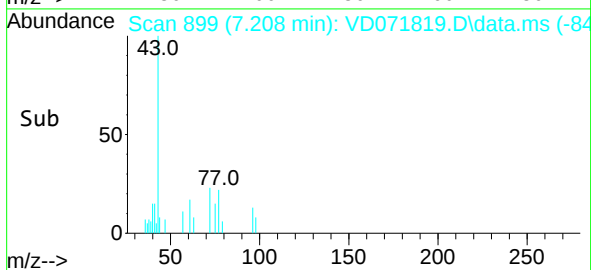
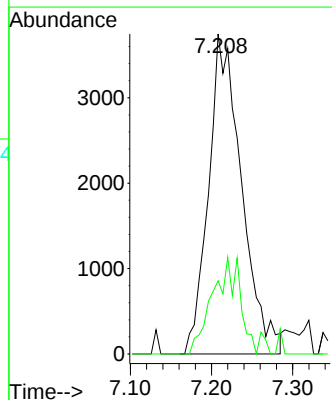
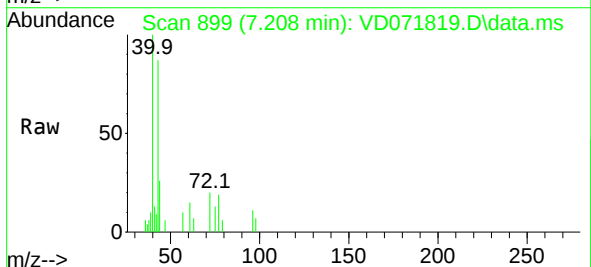
Instrument :
MSVOA_D
ClientSampleId :
MH-1S

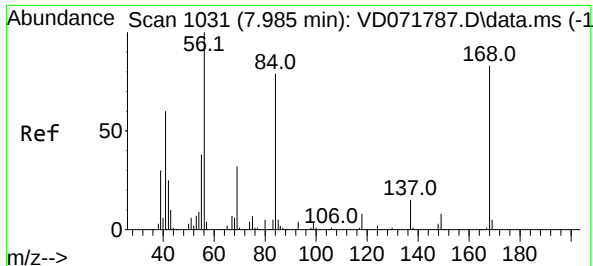
Tgt Ion:	84	Resp:	14158
Ion	Ratio	Lower	Upper
84	100		
49	127.0	112.8	169.2
51	35.0	32.6	48.8
86	62.1	47.9	71.9



#25
2-Butanone
Concen: 5.871 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD071819.D
Acq: 28 Jan 2022 12:57

Tgt Ion:	43	Resp:	10598
Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.6	27.8





#31

Cyclohexane

Concen: 1.365 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071819.D

Acq: 28 Jan 2022 12:57

Instrument :

MSVOA_D

ClientSampleId :

MH-1S

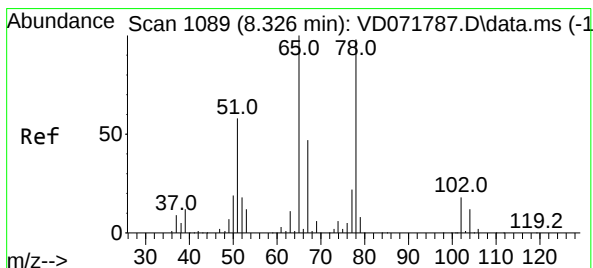
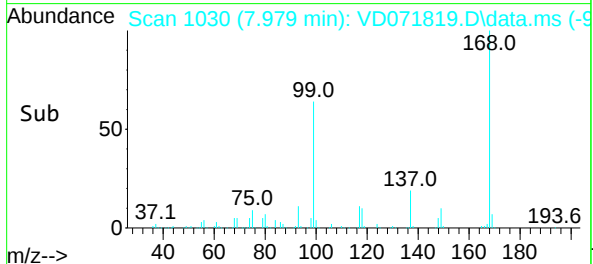
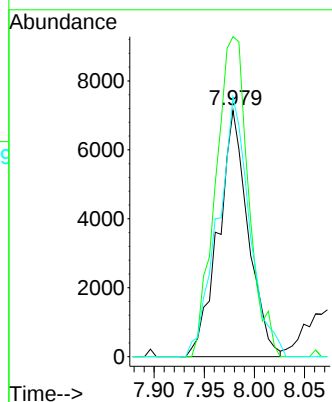
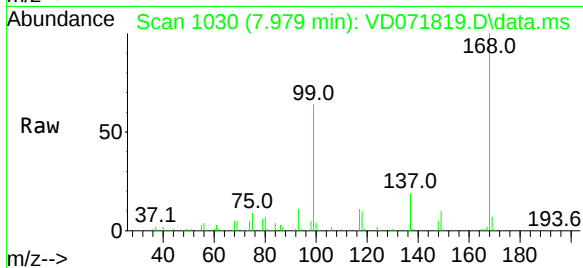
Tgt Ion: 56 Resp: 14741

Ion Ratio Lower Upper

56 100

69 129.9 25.4 38.2#

84 105.4 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 55.934 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.005 min

Lab File: VD071819.D

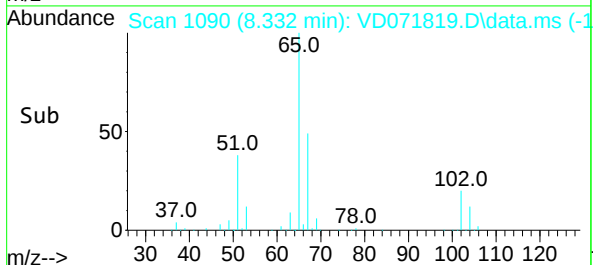
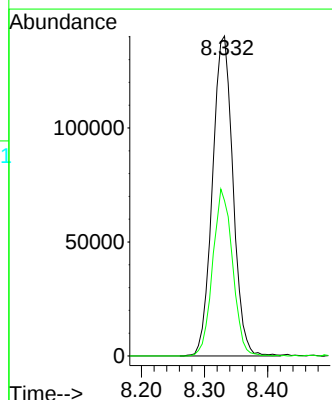
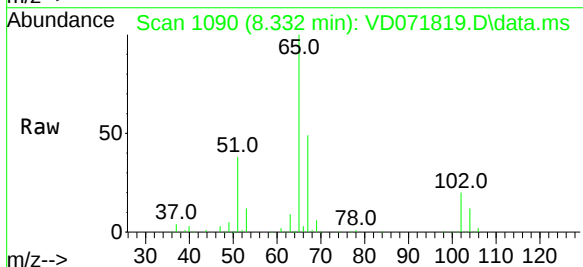
Acq: 28 Jan 2022 12:57

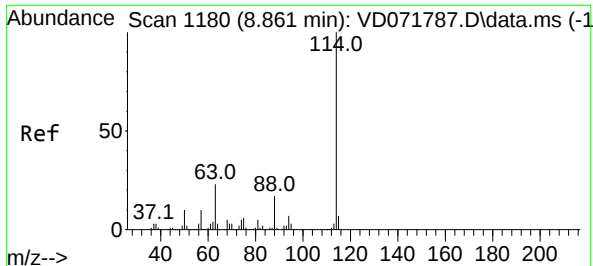
Tgt Ion: 65 Resp: 316419

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD071819.D

Acq: 28 Jan 2022 12:57

Instrument :

MSVOA_D

ClientSampleId :

MH-1S

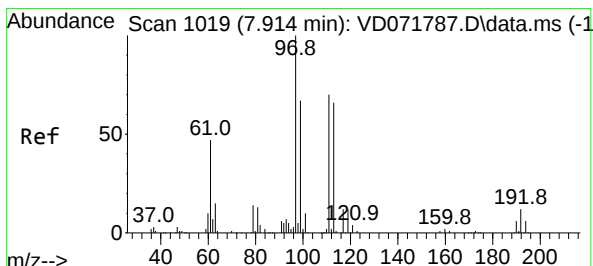
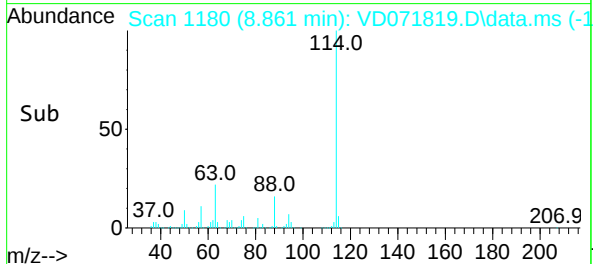
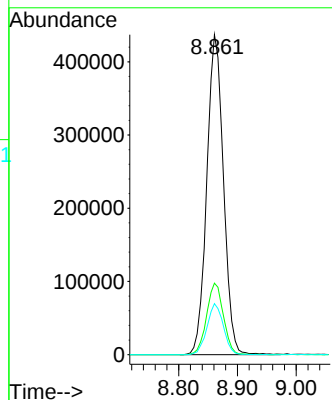
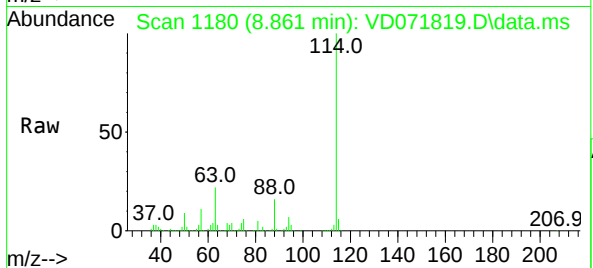
Tgt Ion:114 Resp: 862039

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.967 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD071819.D

Acq: 28 Jan 2022 12:57

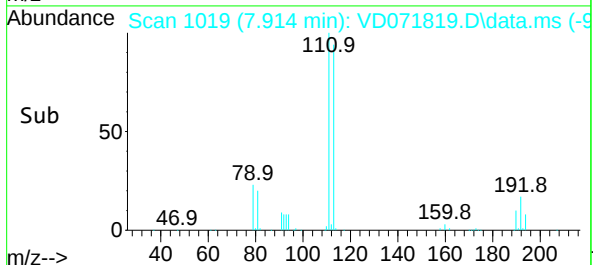
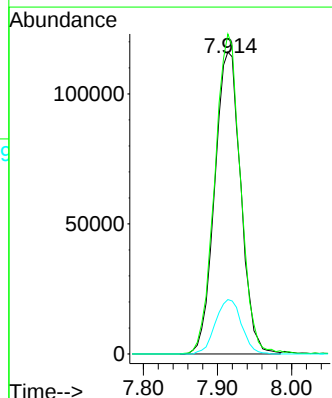
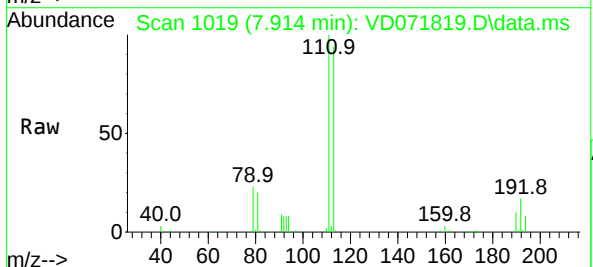
Tgt Ion:113 Resp: 283137

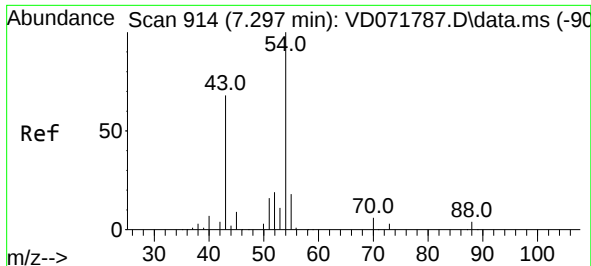
Ion Ratio Lower Upper

113 100

111 105.1 83.8 125.6

192 18.0 14.6 21.8





#37

Ethyl Acetate

Concen: 2.344 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.089 min

Lab File: VD071819.D

Acq: 28 Jan 2022 12:57

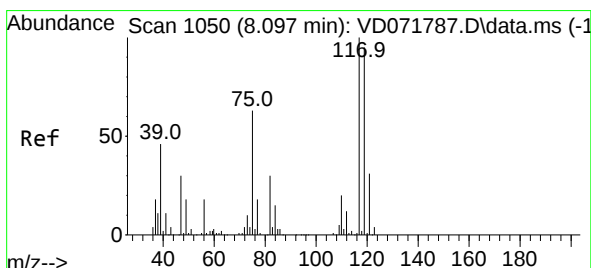
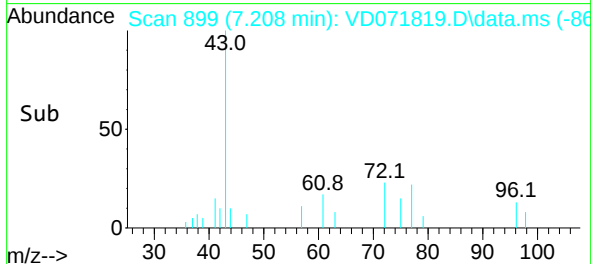
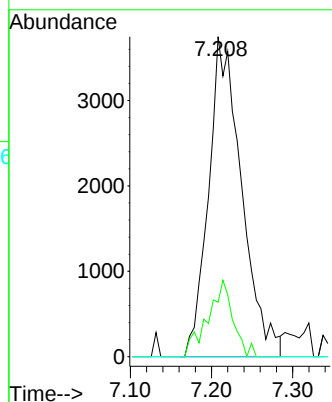
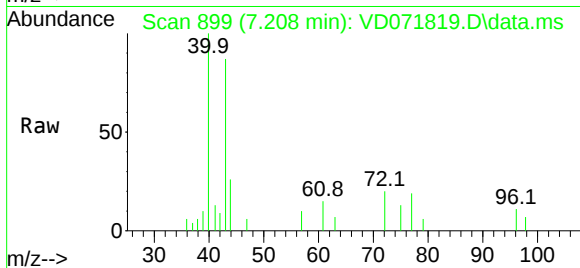
Instrument :

MSVOA_D

ClientSampleId :

MH-1S

Tgt Ion:	43	Resp:	10598
Ion Ratio	Lower	Upper	
43	100		
61	18.3	9.8	14.8#
70	0.0	6.9	10.3#



#38

Carbon Tetrachloride

Concen: 5.153 ug/l

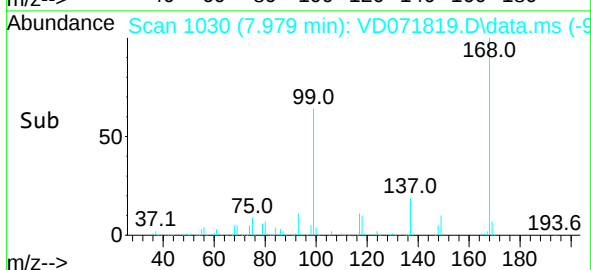
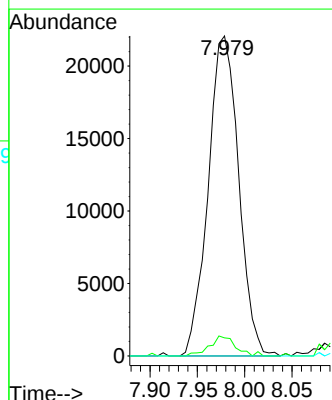
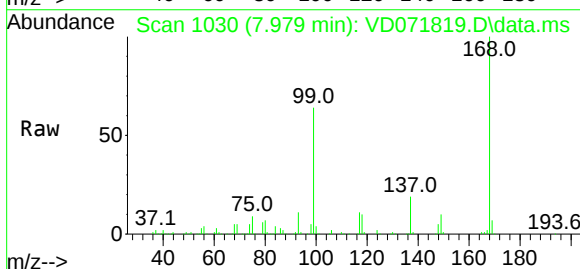
RT: 7.979 min Scan# 1030

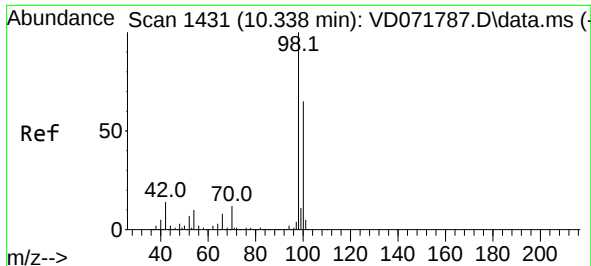
Delta R.T. -0.118 min

Lab File: VD071819.D

Acq: 28 Jan 2022 12:57

Tgt Ion:	117	Resp:	49564
Ion Ratio	Lower	Upper	
117	100		
119	5.6	75.8	113.6#
121	0.0	24.5	36.7#

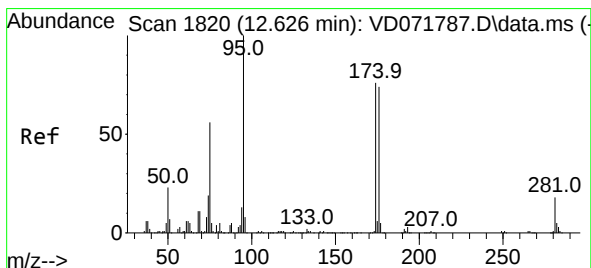
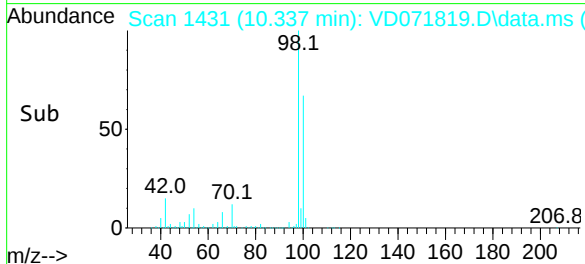
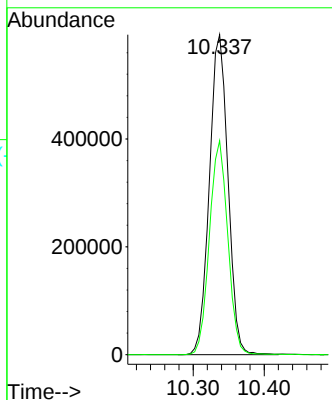
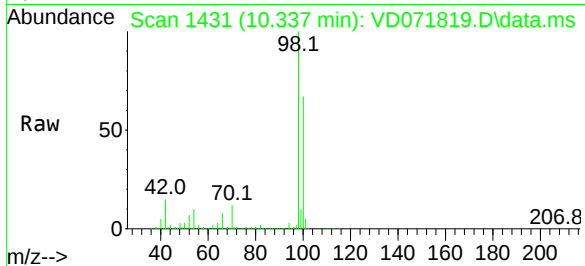




#50
Toluene-d8
Concen: 50.945 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071819.D
Acq: 28 Jan 2022 12:57

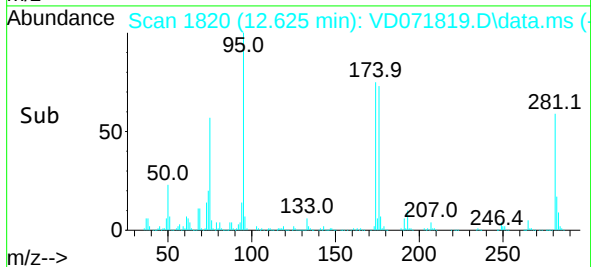
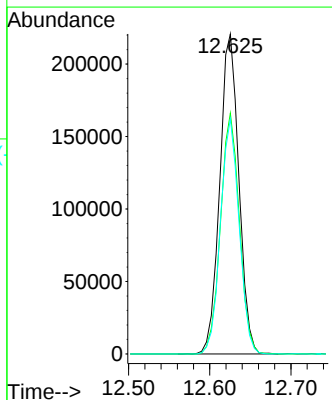
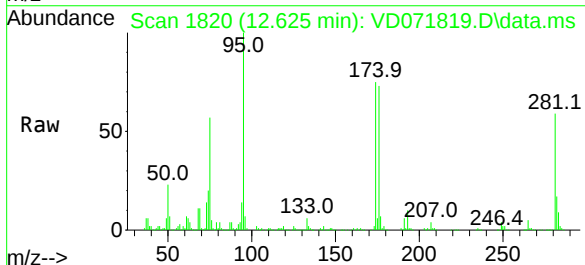
Instrument :
MSVOA_D
ClientSampleId :
MH-1S

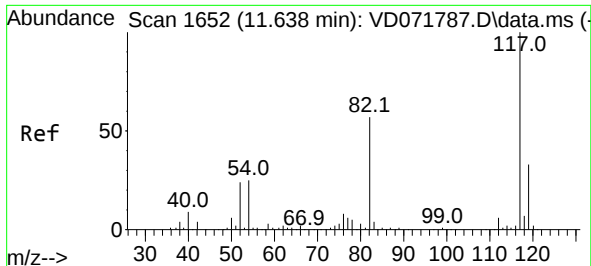
Tgt Ion: 98 Resp: 1078111
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 48.785 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071819.D
Acq: 28 Jan 2022 12:57

Tgt Ion: 95 Resp: 360530
Ion Ratio Lower Upper
95 100
174 74.3 0.0 152.8
176 71.6 0.0 145.4

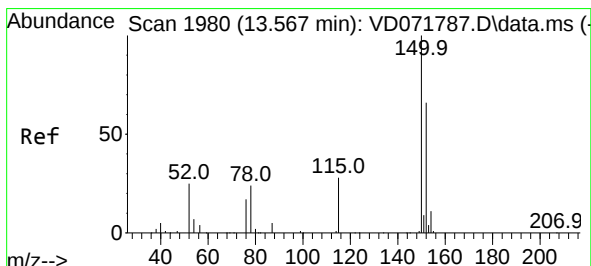
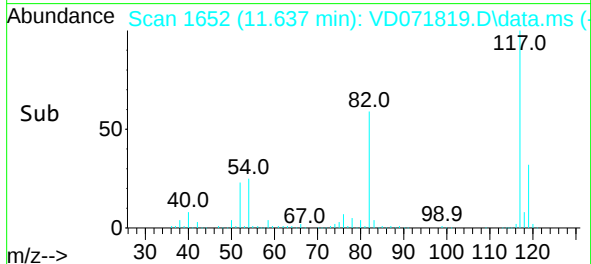
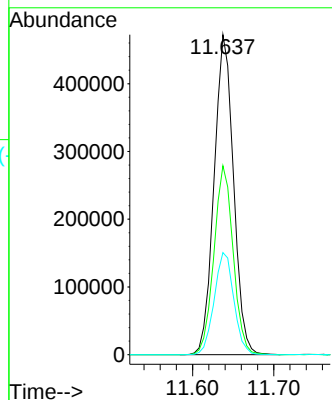
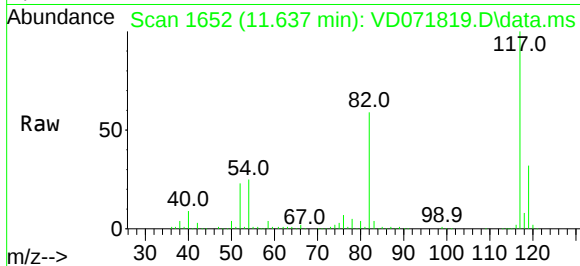




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071819.D
Acq: 28 Jan 2022 12:57

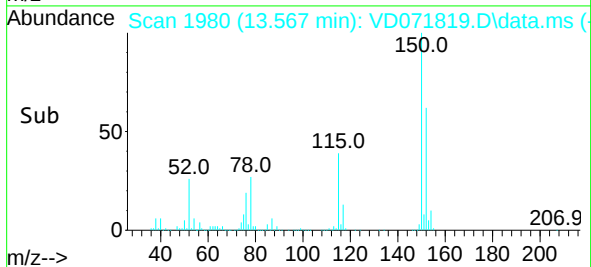
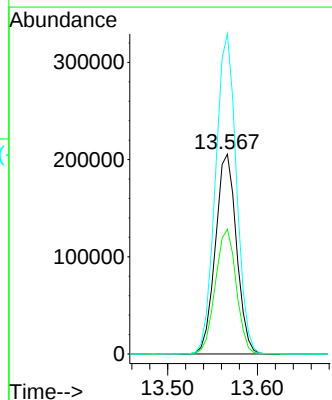
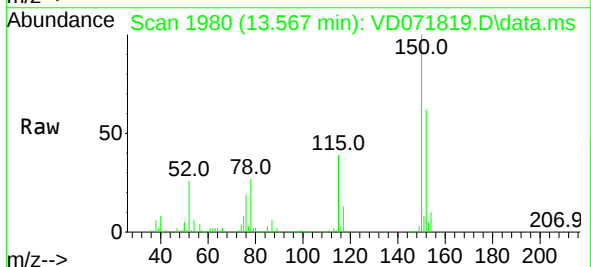
Instrument :
MSVOA_D
ClientSampleId :
MH-1S

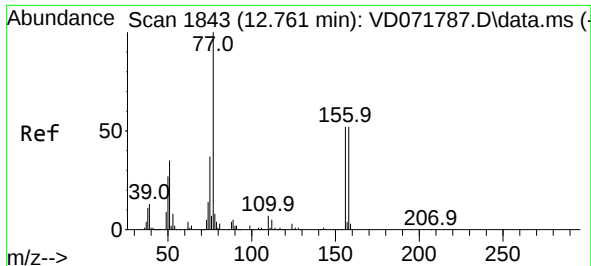
Tgt Ion:117 Resp: 786117
Ion Ratio Lower Upper
117 100
82 59.0 45.3 67.9
119 31.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071819.D
Acq: 28 Jan 2022 12:57

Tgt Ion:152 Resp: 335813
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.8
150 158.8 0.0 348.6

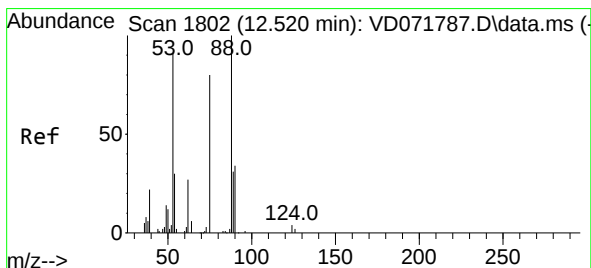
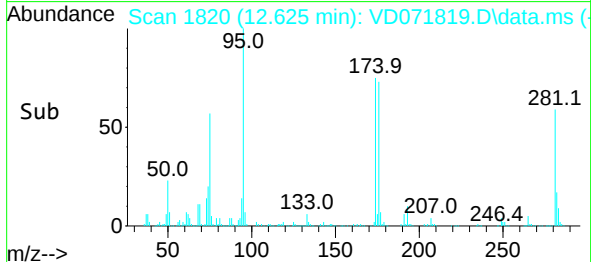
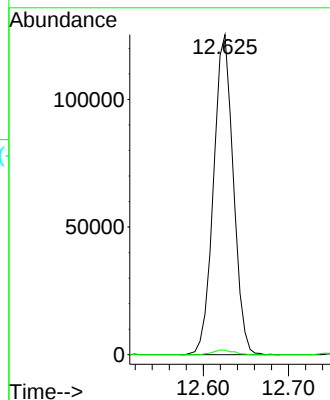
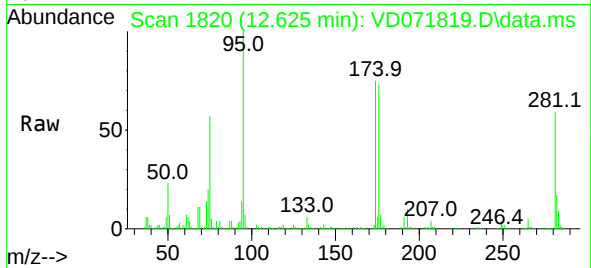




#76
1,2,3-Trichloropropane
Concen: 57.153 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071819.D
Acq: 28 Jan 2022 12:57

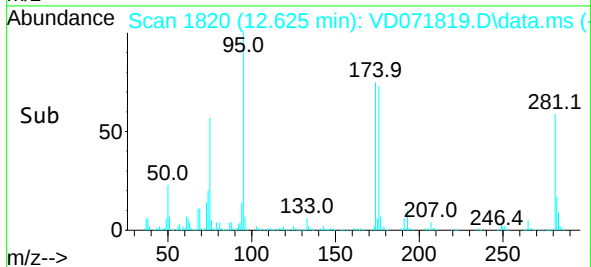
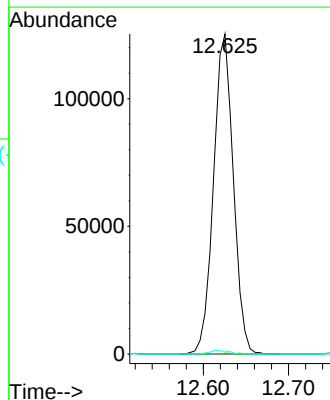
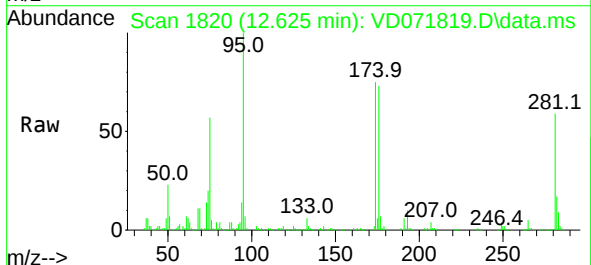
Instrument :
MSVOA_D
ClientSampleId :
MH-1S

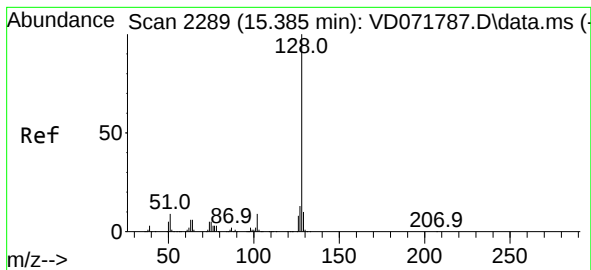
Tgt Ion: 75 Resp: 202269
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.527 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD071819.D
Acq: 28 Jan 2022 12:57

Tgt Ion: 75 Resp: 202269
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 1.1 33.9 50.9#





#95

Naphthalene

Concen: 1.714 ug/l

RT: 15.390 min Scan# 21

Delta R.T. 0.005 min

Lab File: VD071819.D

Acq: 28 Jan 2022 12:57

Instrument :

MSVOA_D

ClientSampleId :

MH-1S

Tgt Ion:128 Resp: 3120

Ion Ratio Lower Upper

128 100

127 18.3 10.3 15.5#

129 11.3 8.4 12.6

