

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010522\
 Data File : VD071615.D
 Acq On : 05 Jan 2022 15:42
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 07:03:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

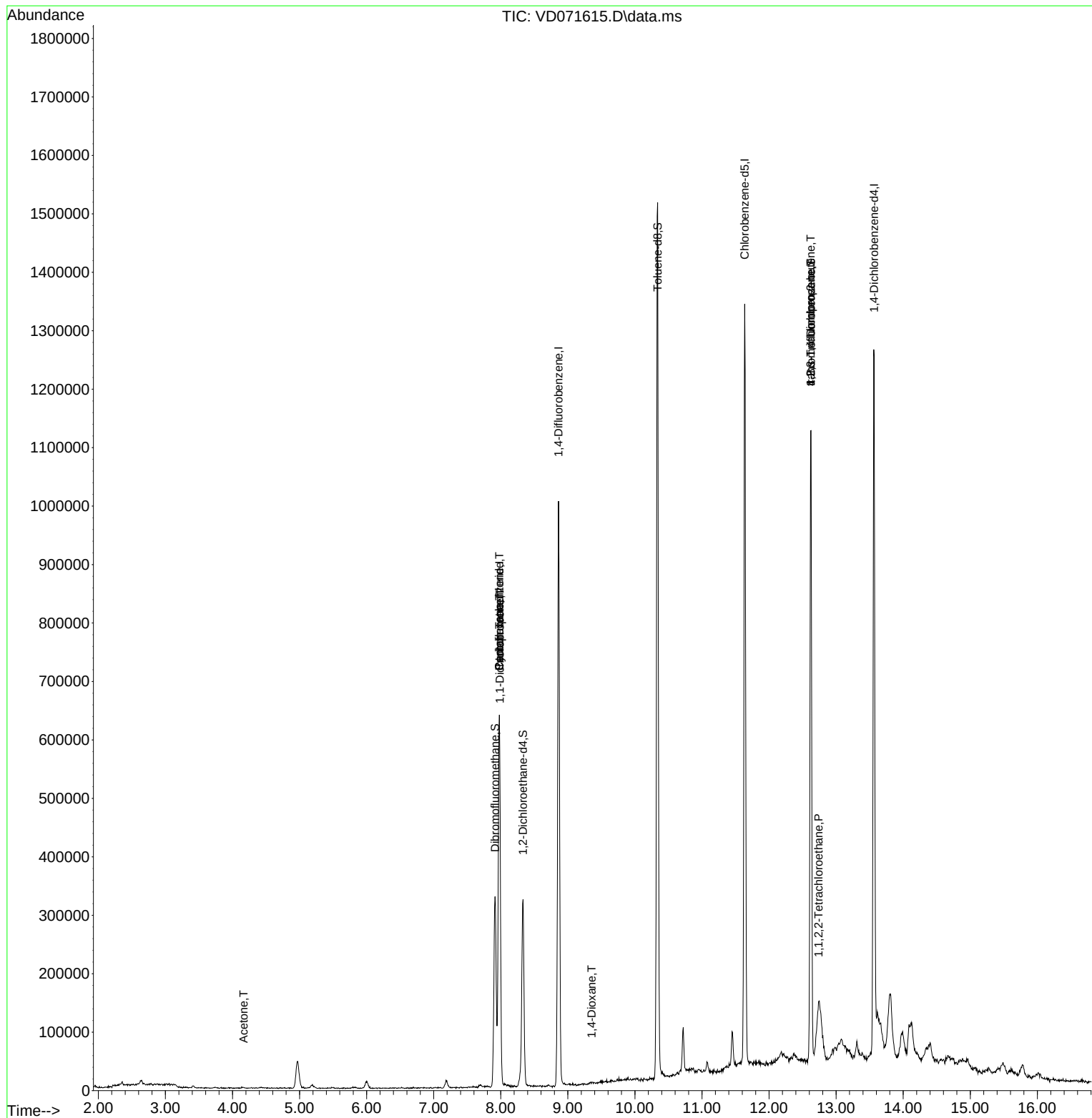
Internal Standards						
1) Pentafluorobenzene	7.979	168	443088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	763074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	690287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	299443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	260176	44.213	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.420%		
35) Dibromofluoromethane	7.914	113	233081	45.449	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.900%		
50) Toluene-d8	10.338	98	973063	50.208	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.420%		
62) 4-Bromofluorobenzene	12.626	95	316081	45.896	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.800%		
Target Compounds						
11) Tert butyl alcohol	5.179	59	2581	Below Cal	#	79
16) Acetone	4.167	43	2407	1.628	ug/l #	40
20) Methylene Chloride	4.962	84	31882	Below Cal		95
31) Cyclohexane	7.979	56	13314	1.332	ug/l #	50
36) 1,1-Dichloropropene	7.985	75	41739	5.094	ug/l #	51
38) Carbon Tetrachloride	7.979	117	48452	5.994	ug/l #	18
49) 1,4-Dioxane	9.355	88	69	1.934	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.738	83	14917	3.574	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	178888	50.279	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	178888	142.064	ug/l #	18

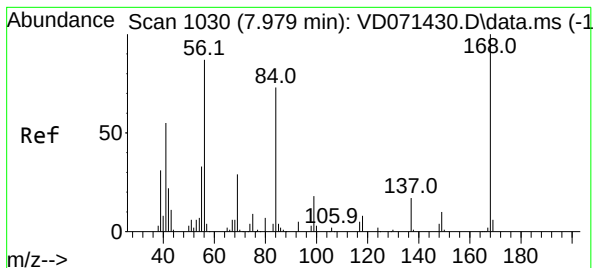
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 23 08:20:24 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.006 min

Lab File: VD071615.D

Acq: 05 Jan 2022 15:42

Instrument :

MSVOA_D

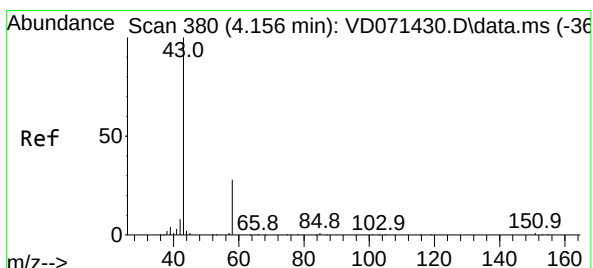
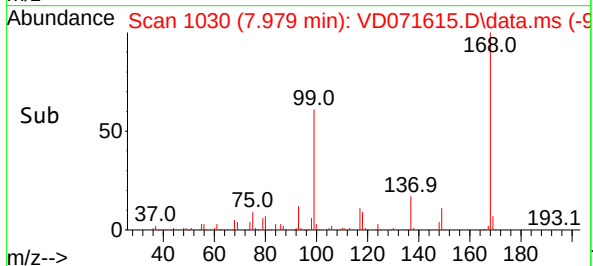
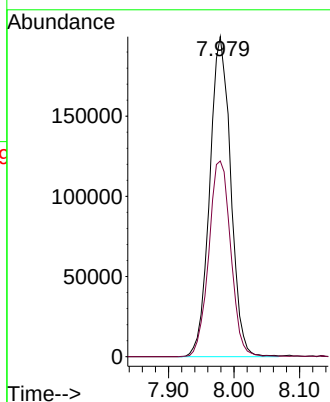
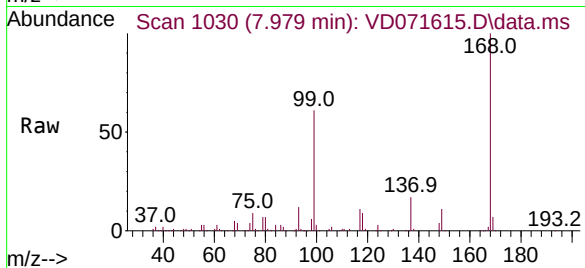
ClientSampleId :

Tgt Ion:168 Resp: 443088

Ion Ratio Lower Upper

168 100

99 61.2 46.6 69.8



#16

Acetone

Concen: 1.628 ug/l

RT: 4.167 min Scan# 382

Delta R.T. 0.011 min

Lab File: VD071615.D

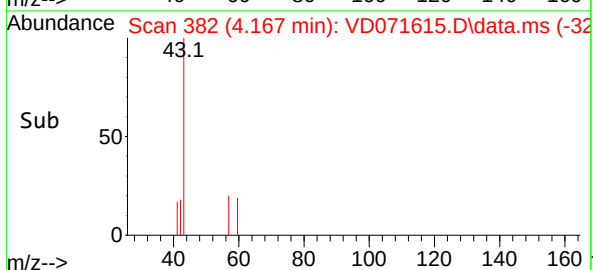
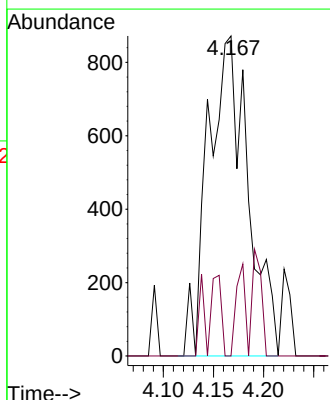
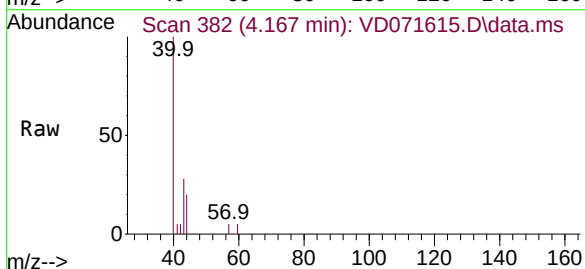
Acq: 05 Jan 2022 15:42

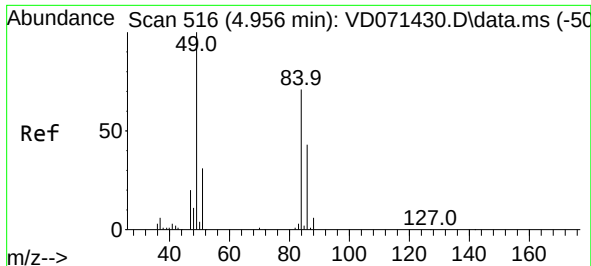
Tgt Ion: 43 Resp: 2407

Ion Ratio Lower Upper

43 100

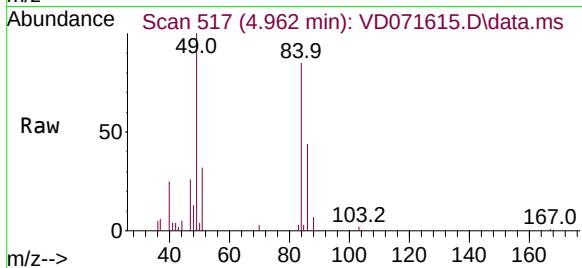
58 0.0 27.8 41.8#



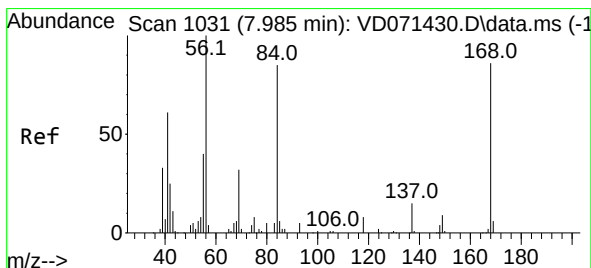
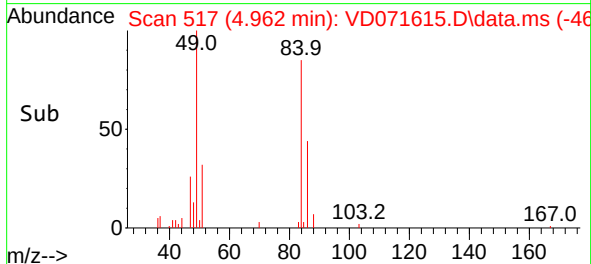
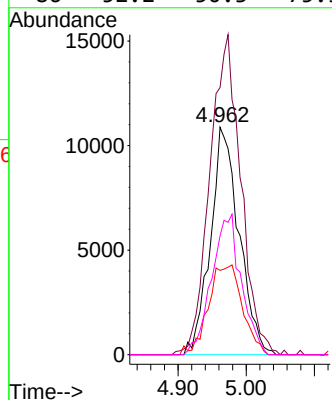


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 516
Delta R.T. 0.001 min
Lab File: VD071615.D
Acq: 05 Jan 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :

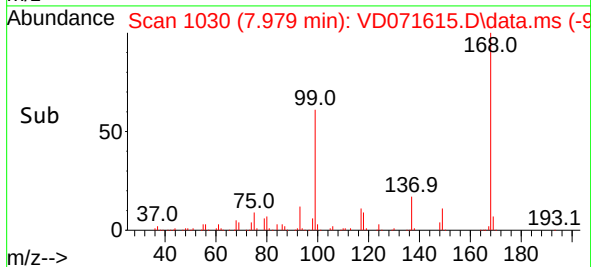
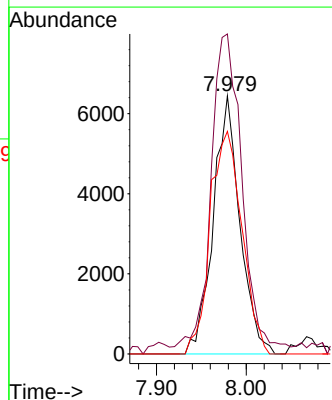
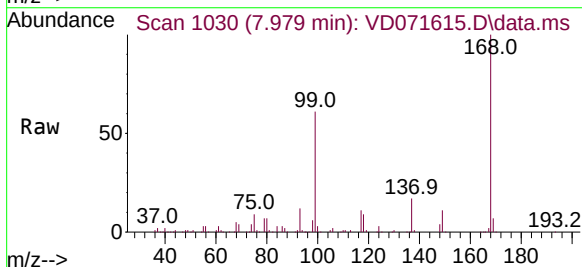


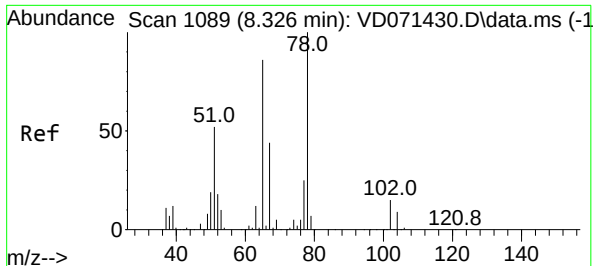
Tgt Ion:	84	Resp:	31882
Ion	Ratio	Lower	Upper
84	100		
49	117.5	95.8	143.6
51	37.1	30.9	46.3
86	52.2	50.3	75.5



#31
Cyclohexane
Concen: 1.332 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071615.D
Acq: 05 Jan 2022 15:42

Tgt Ion:	56	Resp:	13314
Ion	Ratio	Lower	Upper
56	100		
69	120.1	25.9	38.9#
84	86.2	64.3	96.5





#33

1,2-Dichloroethane-d4

Concen: 44.213 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071615.D

Acq: 05 Jan 2022 15:42

Instrument :

MSVOA_D

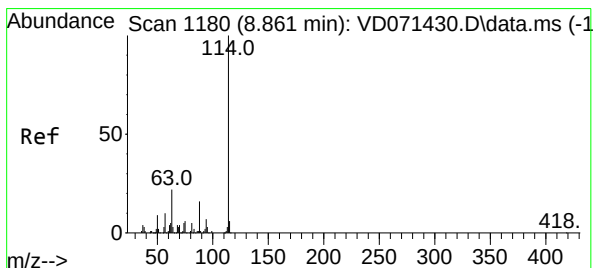
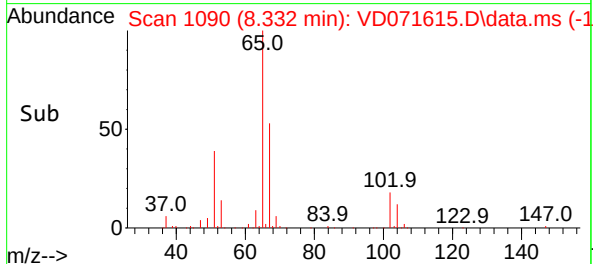
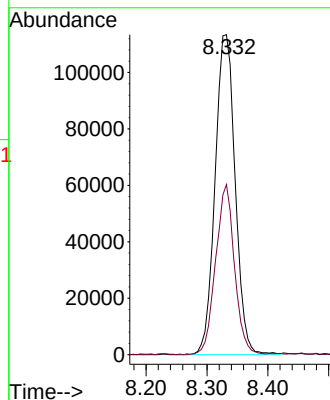
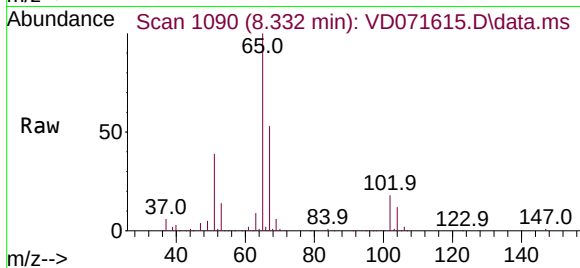
ClientSampleId :

Tgt Ion: 65 Resp: 260176

Ion Ratio Lower Upper

65 100

67 49.9 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071615.D

Acq: 05 Jan 2022 15:42

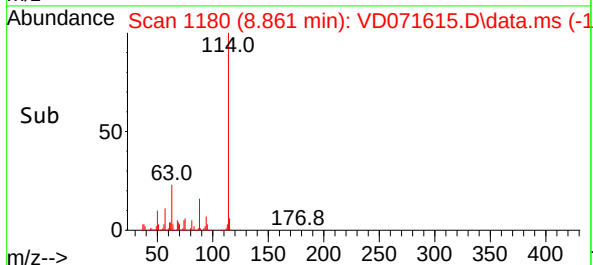
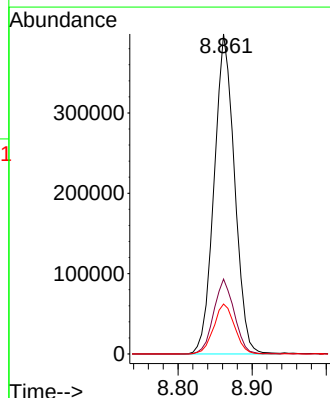
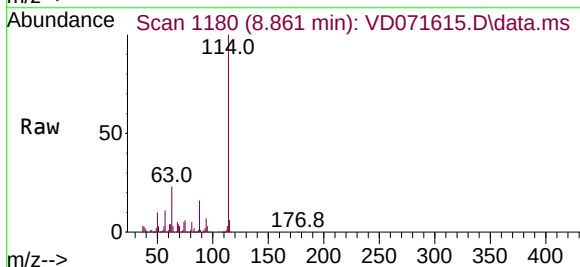
Tgt Ion: 114 Resp: 763074

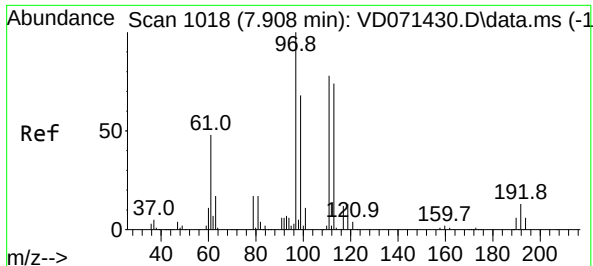
Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.8

88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.449 ug/l

RT: 7.914 min Scan# 1031

Delta R.T. 0.006 min

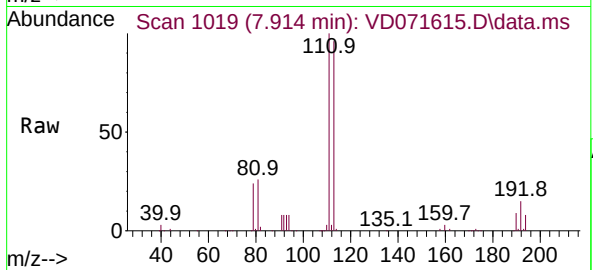
Lab File: VD071615.D

Acq: 05 Jan 2022 15:42

Instrument :

MSVOA_D

ClientSampleId :



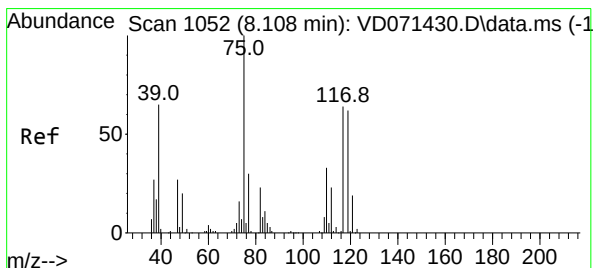
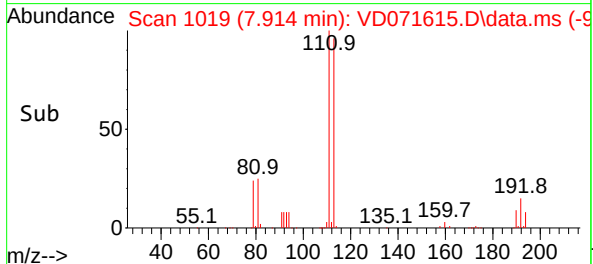
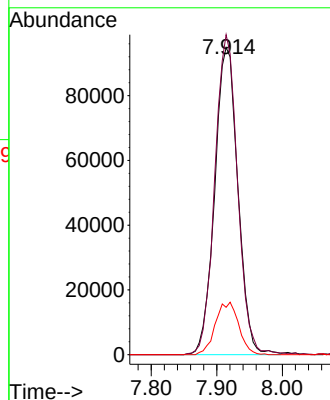
Tgt Ion:113 Resp: 233081

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

192 17.2 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.094 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.123 min

Lab File: VD071615.D

Acq: 05 Jan 2022 15:42

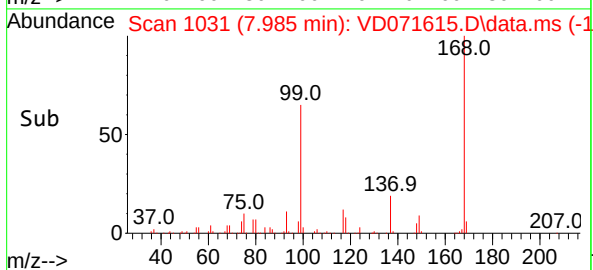
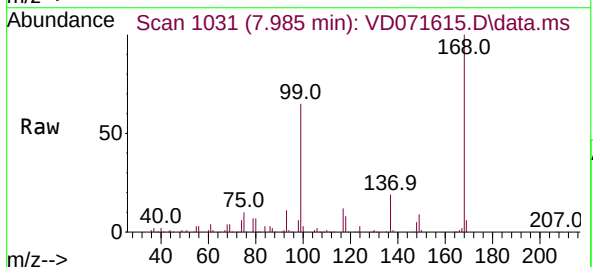
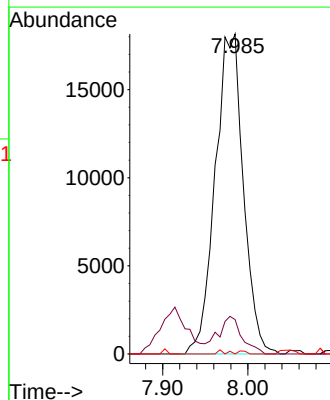
Tgt Ion: 75 Resp: 41739

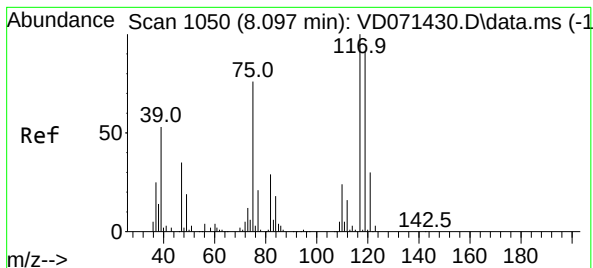
Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.4#

77 0.3 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.994 ug/l

RT: 7.979 min Scan# 1

Delta R.T. -0.118 min

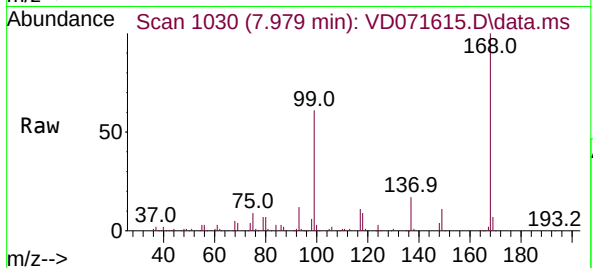
Lab File: VD071615.D

Acq: 05 Jan 2022 15:42

Instrument :

MSVOA_D

ClientSampleId :



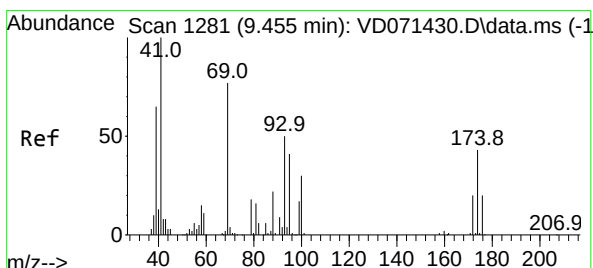
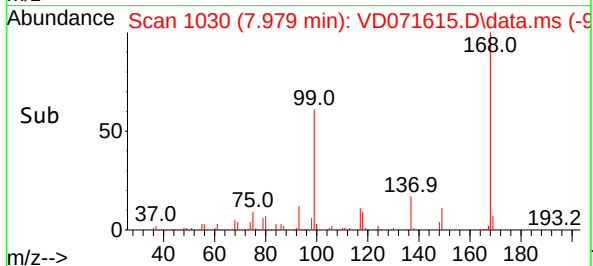
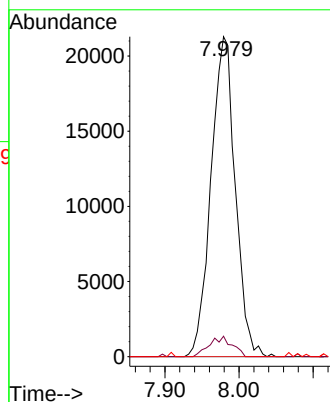
Tgt Ion:117 Resp: 48452

Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.6#

121 0.0 23.6 35.4#



#49

1,4-Dioxane

Concen: 1.934 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. -0.100 min

Lab File: VD071615.D

Acq: 05 Jan 2022 15:42

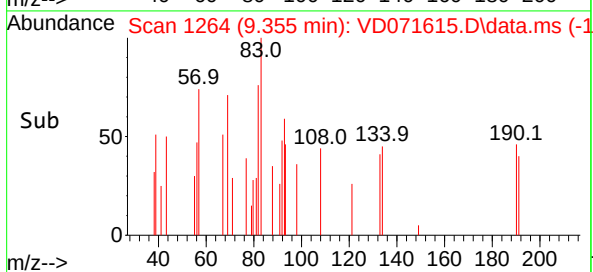
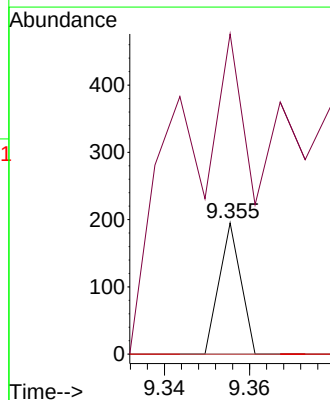
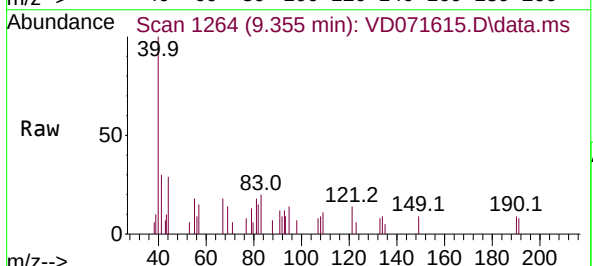
Tgt Ion: 88 Resp: 69

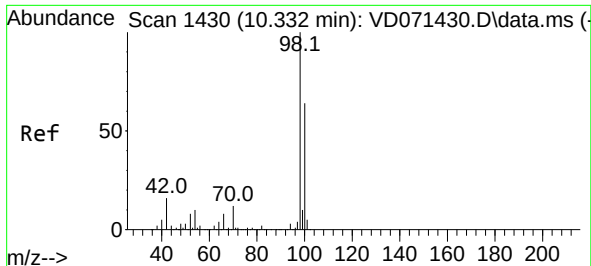
Ion Ratio Lower Upper

88 100

43 458.0 28.9 43.3#

58 0.0 56.3 84.5#

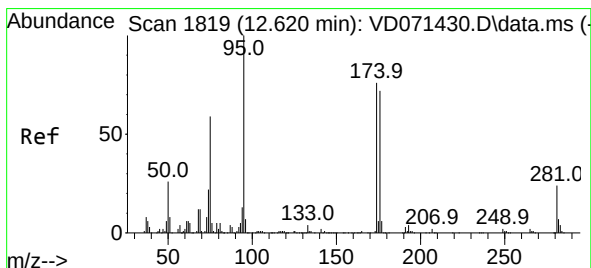
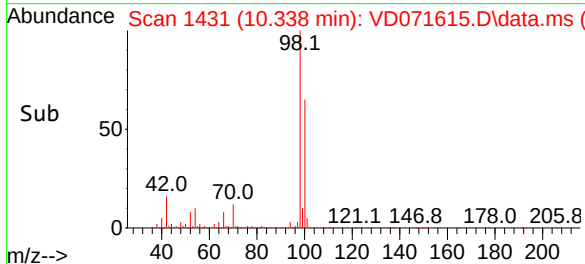
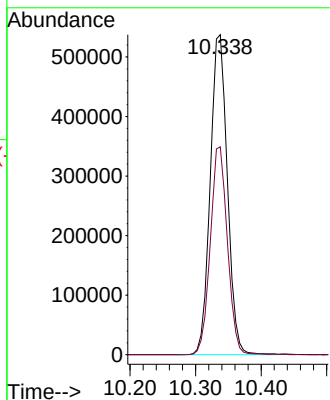
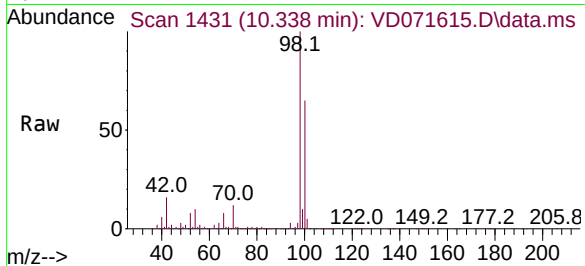




#50
Toluene-d8
Concen: 50.208 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD071615.D
Acq: 05 Jan 2022 15:42

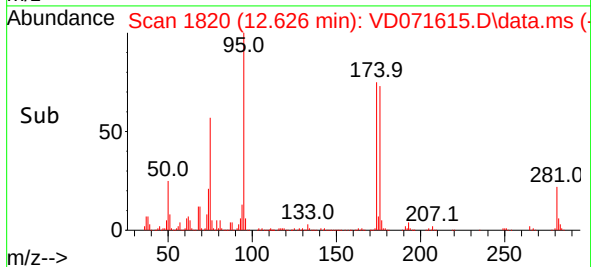
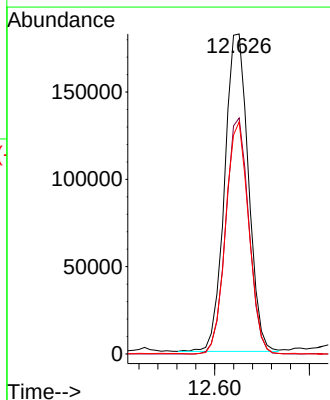
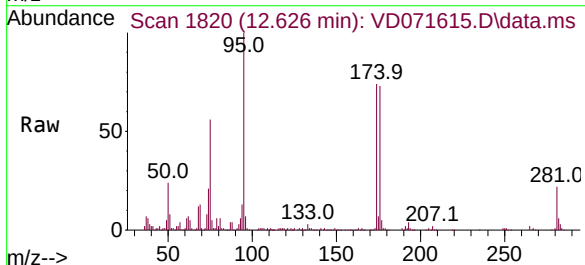
Instrument :
MSVOA_D
ClientSampleId :

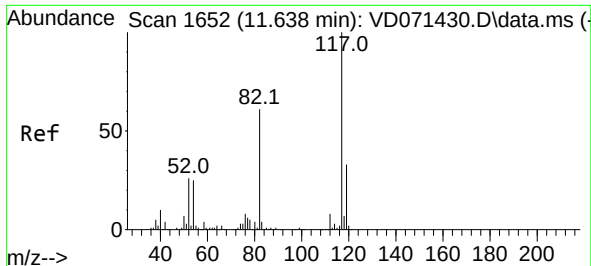
Tgt Ion: 98 Resp: 973063
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 45.896 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071615.D
Acq: 05 Jan 2022 15:42

Tgt Ion: 95 Resp: 316081
Ion Ratio Lower Upper
95 100
174 72.1 0.0 159.4
176 71.1 0.0 154.0

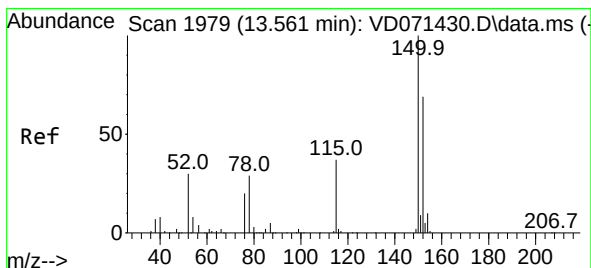
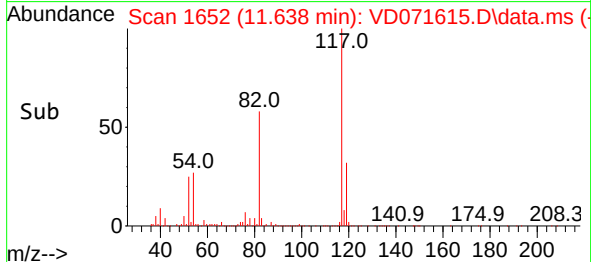
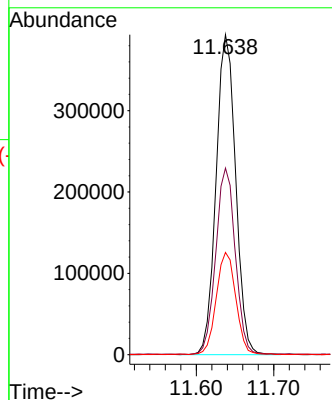
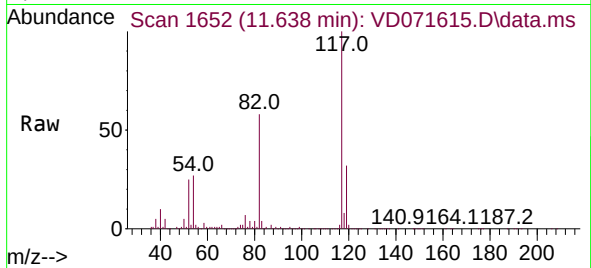




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071615.D
Acq: 05 Jan 2022 15:42

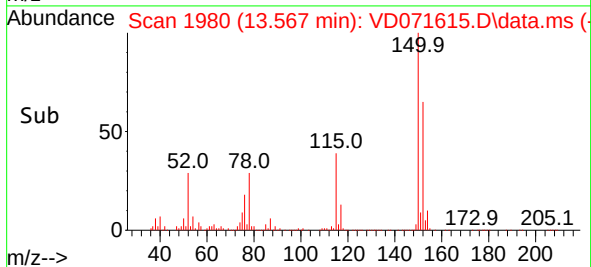
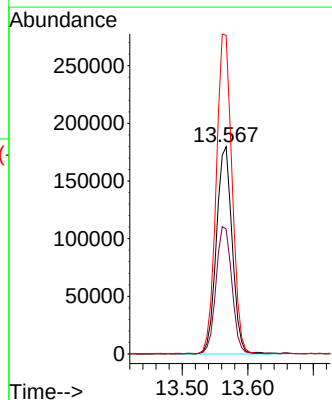
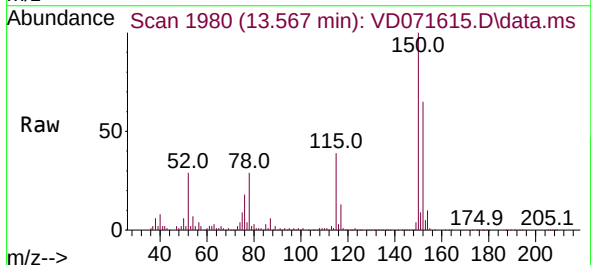
Instrument :
MSVOA_D
ClientSampleId :

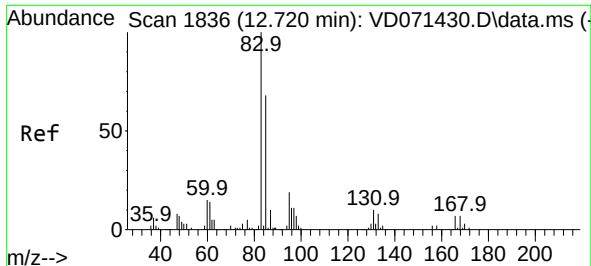
Tgt Ion:117 Resp: 690287
Ion Ratio Lower Upper
117 100
82 58.1 44.7 67.1
119 31.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071615.D
Acq: 05 Jan 2022 15:42

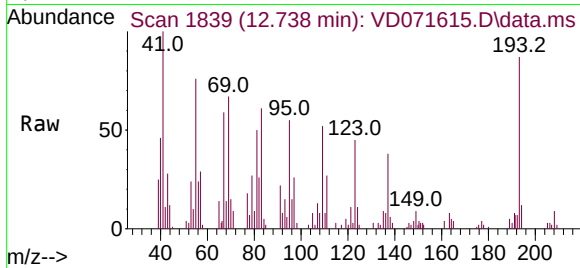
Tgt Ion:152 Resp: 299443
Ion Ratio Lower Upper
152 100
115 61.3 29.8 89.3
150 154.8 0.0 349.2



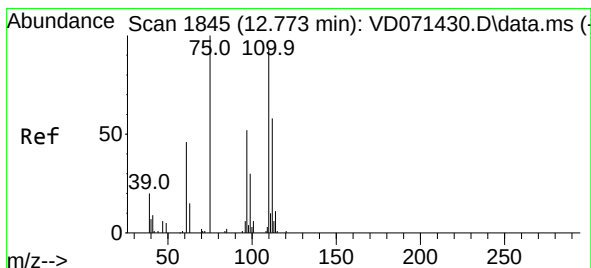
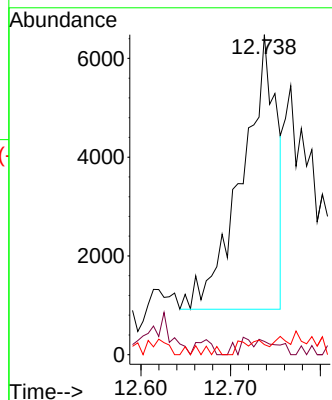
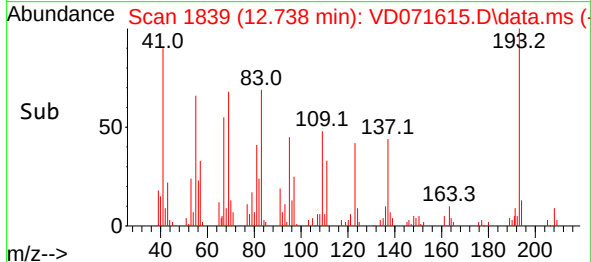


#75
1,1,2,2-Tetrachloroethane
Concen: 3.574 ug/l
RT: 12.738 min Scan# 1839
Delta R.T. 0.018 min
Lab File: VD071615.D
Acq: 05 Jan 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :

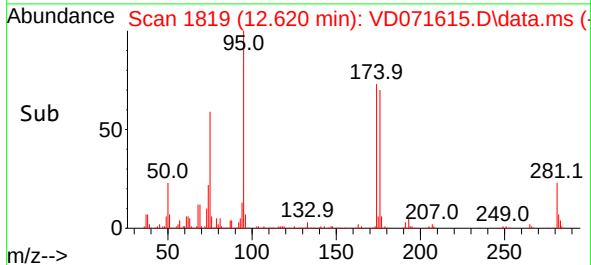
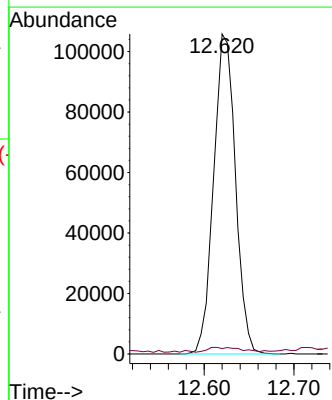
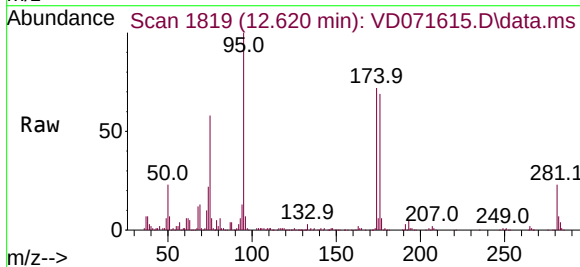


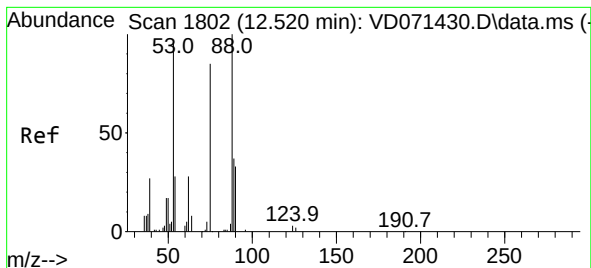
Tgt Ion: 83 Resp: 14917
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.7#
85 1.4 32.0 96.2#



#76
1,2,3-Trichloropropane
Concen: 50.279 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071615.D
Acq: 05 Jan 2022 15:42

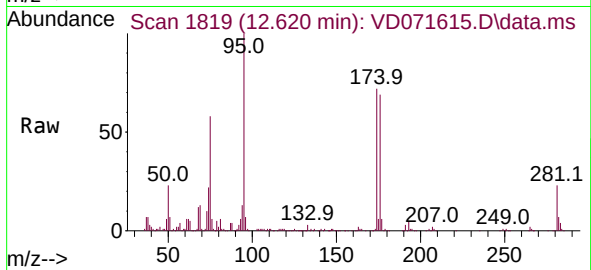
Tgt Ion: 75 Resp: 178888
Ion Ratio Lower Upper
75 100
77 2.2 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.064 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071615.D
 Acq: 05 Jan 2022 15:42

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 178888
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.3 34.5 51.7#

