

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076165.D
 Acq On : 19 May 2023 19:39
 Operator : KP/SY
 Sample : 02849-31
 Misc : 4.92G/5.01ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP10

Quant Time: May 22 01:31:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

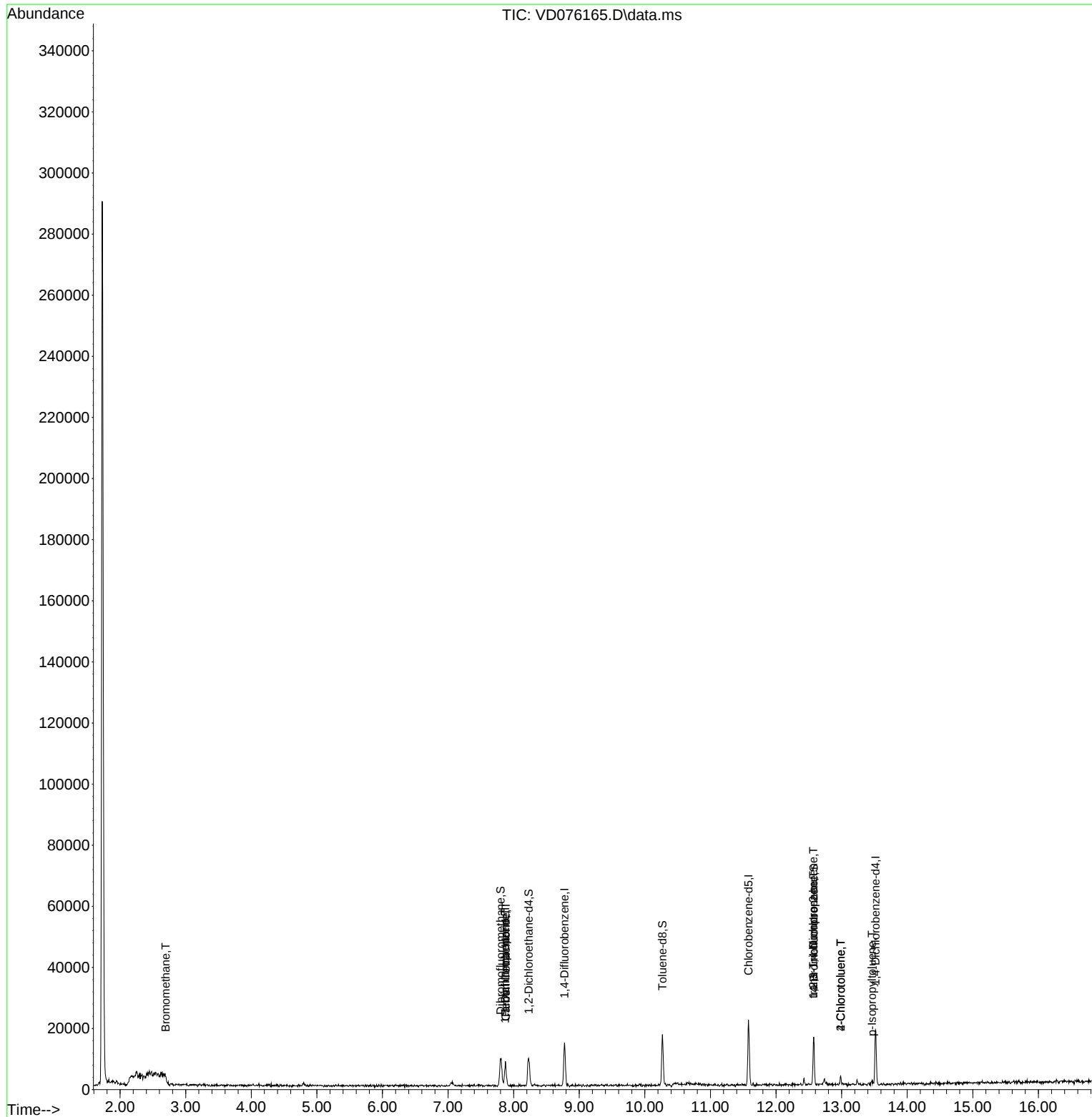
Internal Standards						
1) Pentafluorobenzene	7.875	168	6576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	13490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	14347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	5338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	7486	117.787	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 235.580%#	
35) Dibromofluoromethane	7.799	113	6729	72.165	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 144.320%	
50) Toluene-d8	10.269	98	12770	35.131	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 70.260%	
62) 4-Bromofluorobenzene	12.575	95	4789	47.428	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	297	Below Cal	#	40
5) Bromomethane	2.693	94	773	8.977	ug/l #	71
20) Methylene Chloride	4.810	84	632	Below Cal	#	4
36) 1,1-Dichloropropene	7.869	75	540	4.288	ug/l #	42
38) Carbon Tetrachloride	7.881	117	328	2.884	ug/l #	13
76) 1,2,3-Trichloropropane	12.569	75	2522	53.990	ug/l #	100
79) 2-Chlorotoluene	12.987	91	308	1.266	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.569	75	2522	113.263	ug/l #	5
82) 4-Chlorotoluene	12.987	91	308	1.190	ug/l #	41
86) p-Isopropyltoluene	13.463	119	1192	3.778	ug/l #	83

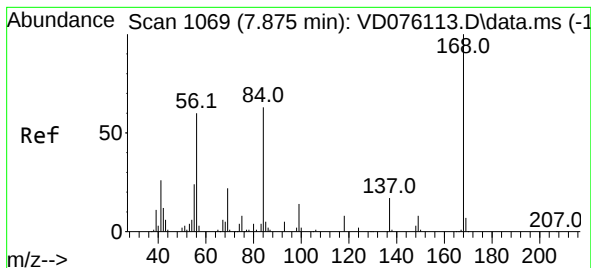
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
Quant Title : SW846 8260
QLast Update : Tue May 16 10:08:53 2023
Response via : Initial Calibration

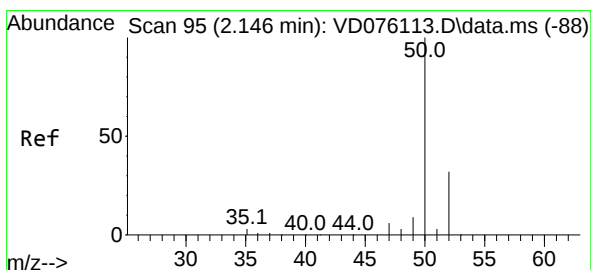
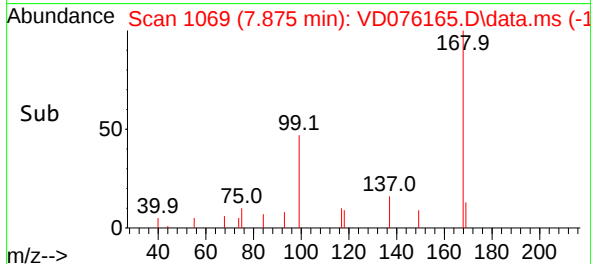
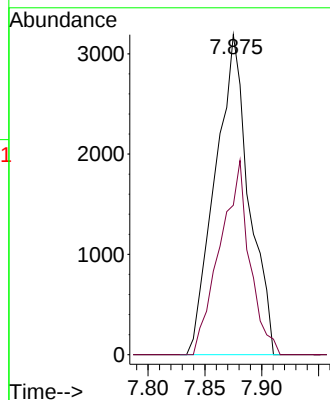
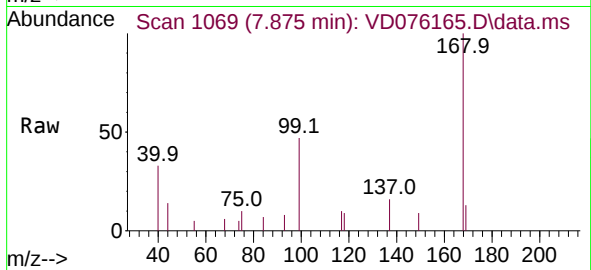




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076165.D
Acq: 19 May 2023 19:39

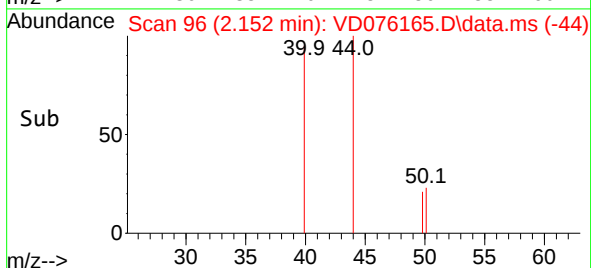
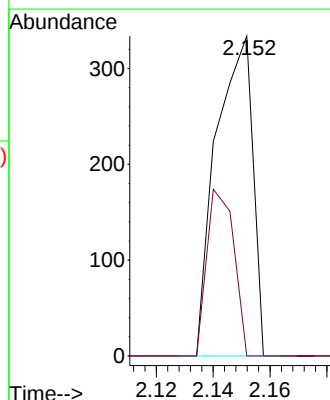
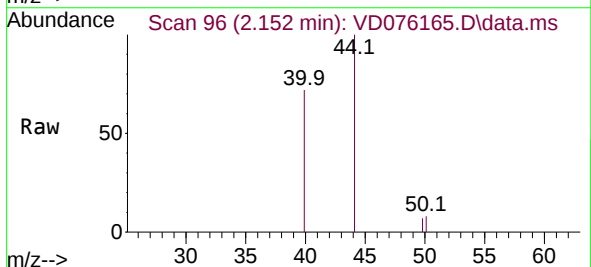
Instrument :
MSVOA_D
ClientSampleId :
TP10

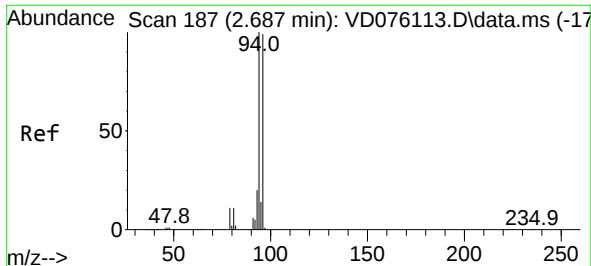
Tgt Ion:168 Resp: 6576
Ion Ratio Lower Upper
168 100
99 46.7 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD076165.D
Acq: 19 May 2023 19:39

Tgt Ion: 50 Resp: 297
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

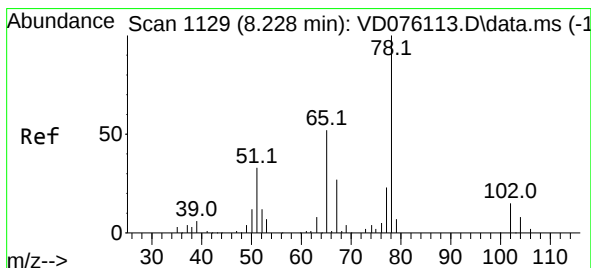
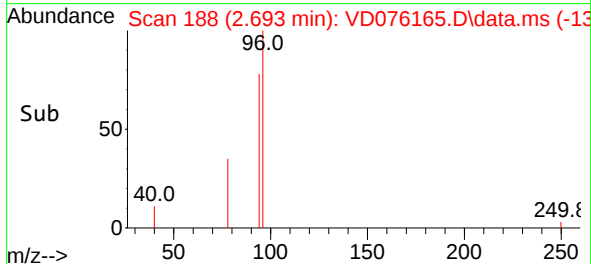
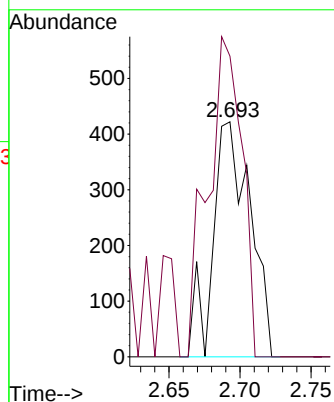
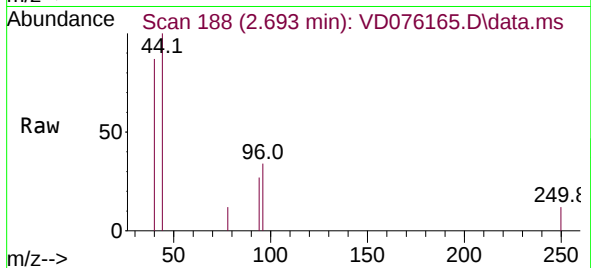




#5
Bromomethane
Concen: 8.977 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076165.D
Acq: 19 May 2023 19:39

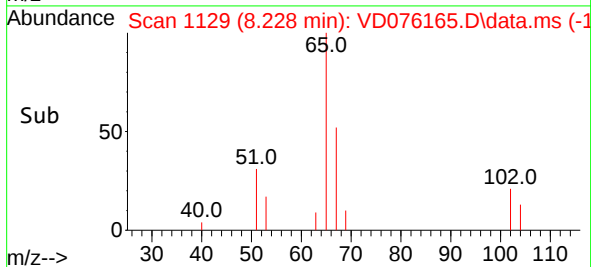
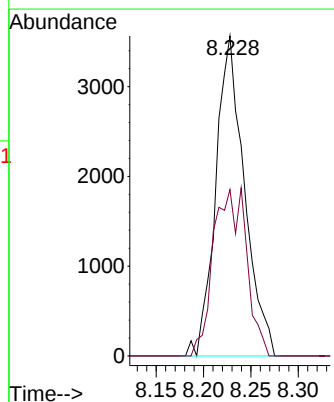
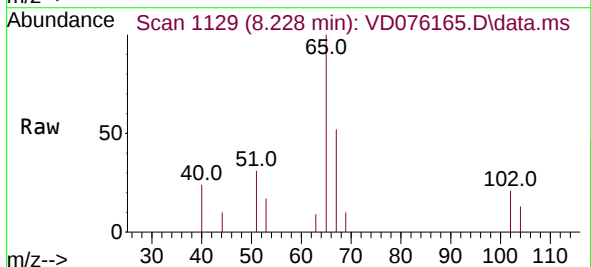
Instrument :
MSVOA_D
ClientSampleId :
TP10

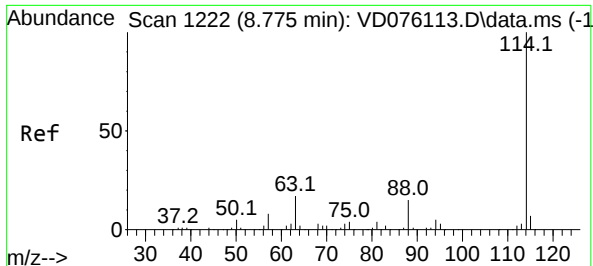
Tgt Ion: 94 Resp: 773
Ion Ratio Lower Upper
94 100
96 125.2 77.5 116.3#



#33
1,2-Dichloroethane-d4
Concen: 117.787 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076165.D
Acq: 19 May 2023 19:39

Tgt Ion: 65 Resp: 7486
Ion Ratio Lower Upper
65 100
67 60.5 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076165.D

Acq: 19 May 2023 19:39

Instrument :

MSVOA_D

ClientSampleId :

TP10

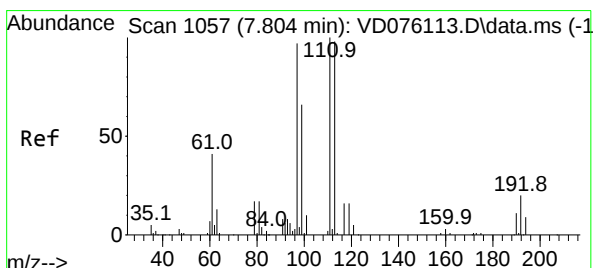
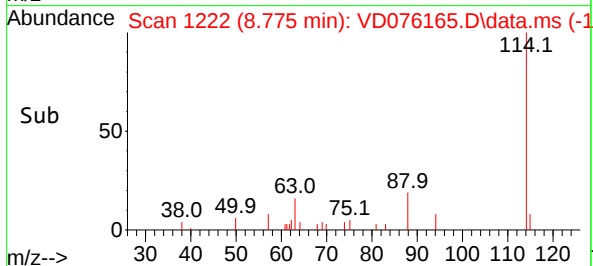
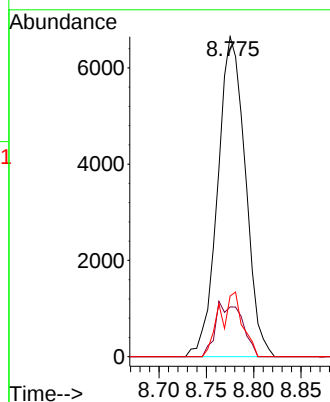
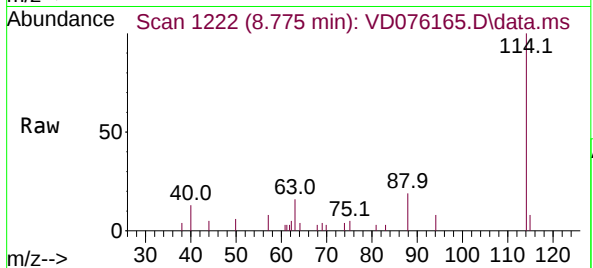
Tgt Ion:114 Resp: 13490

Ion Ratio Lower Upper

114 100

63 15.5 0.0 41.6

88 19.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 72.165 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076165.D

Acq: 19 May 2023 19:39

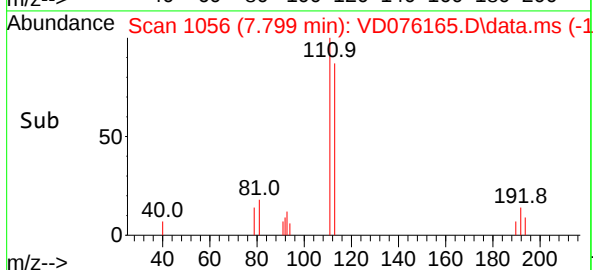
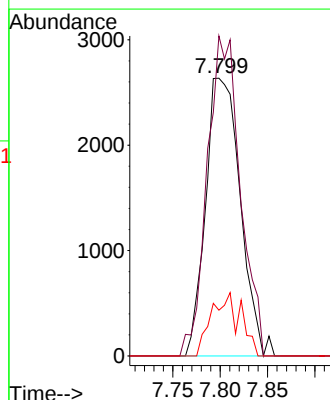
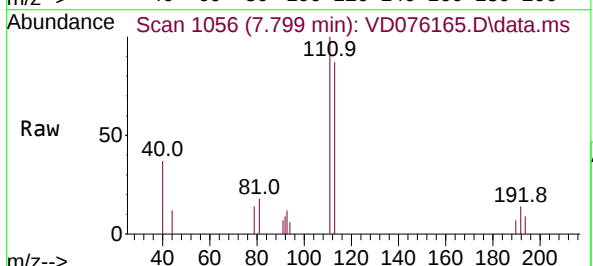
Tgt Ion:113 Resp: 6729

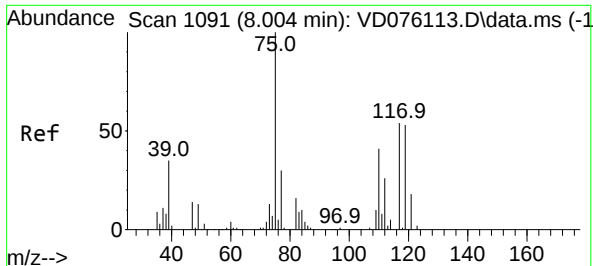
Ion Ratio Lower Upper

113 100

111 109.7 81.4 122.0

192 19.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.288 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD076165.D

Acq: 19 May 2023 19:39

Instrument :

MSVOA_D

ClientSampleId :

TP10

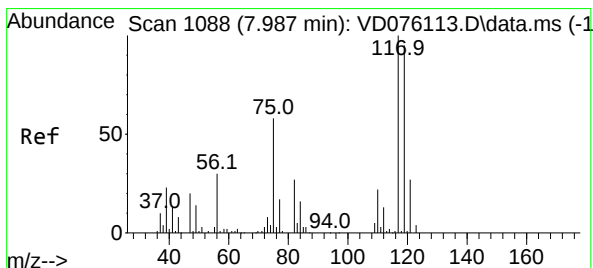
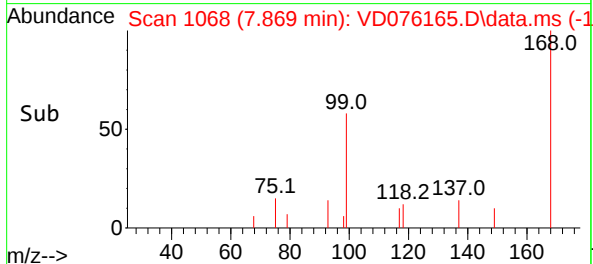
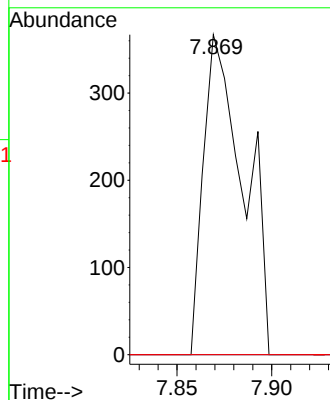
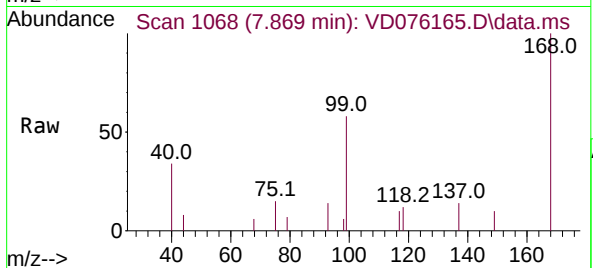
Tgt Ion: 75 Resp: 540

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 2.884 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD076165.D

Acq: 19 May 2023 19:39

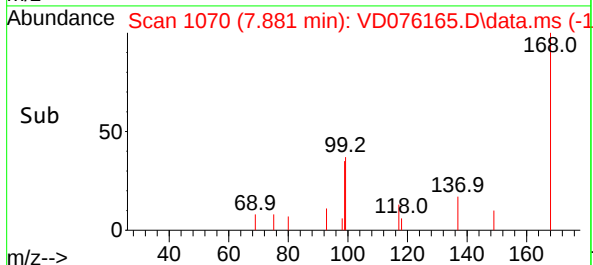
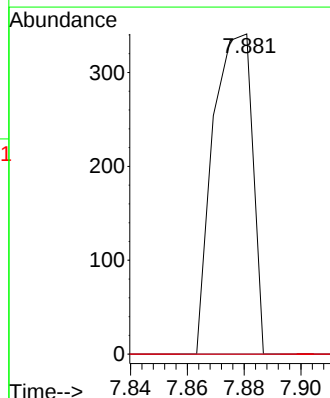
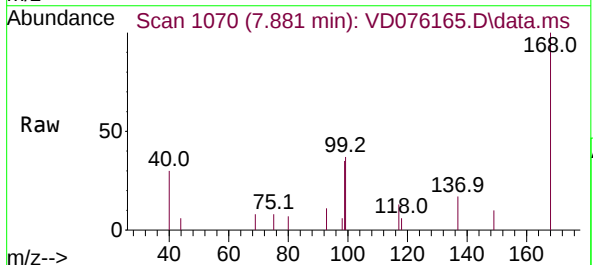
Tgt Ion: 117 Resp: 328

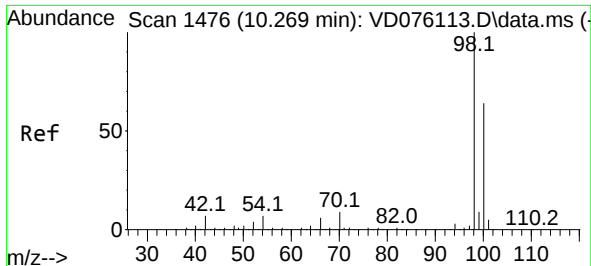
Ion Ratio Lower Upper

117 100

119 0.0 74.7 112.1#

121 0.0 25.9 38.9#

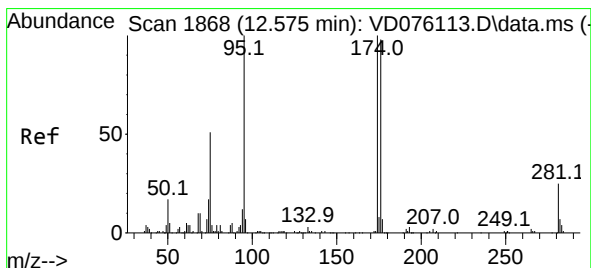
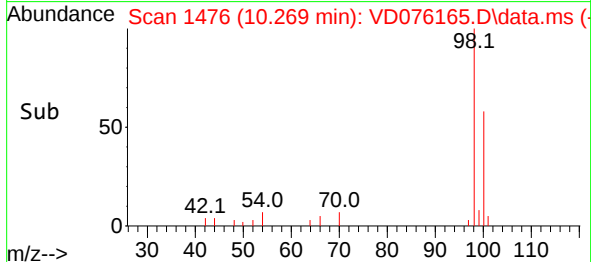
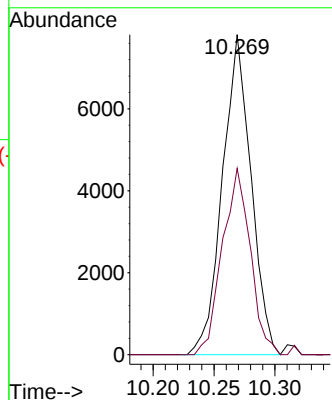
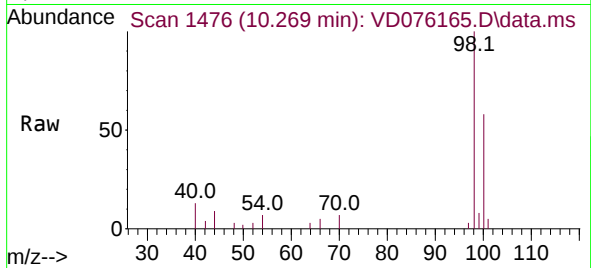




#50
Toluene-d8
Concen: 35.131 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076165.D
Acq: 19 May 2023 19:39

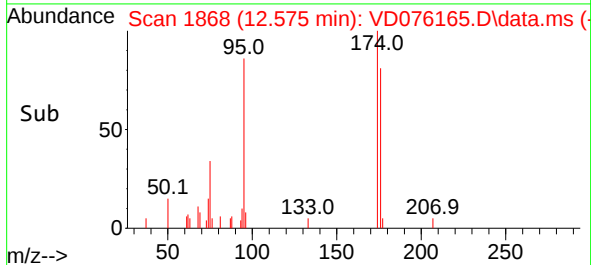
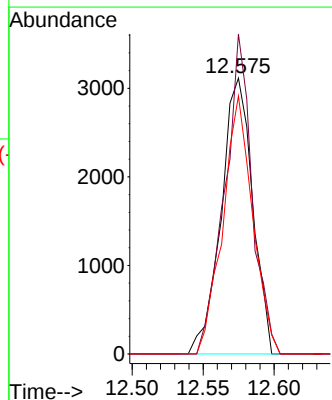
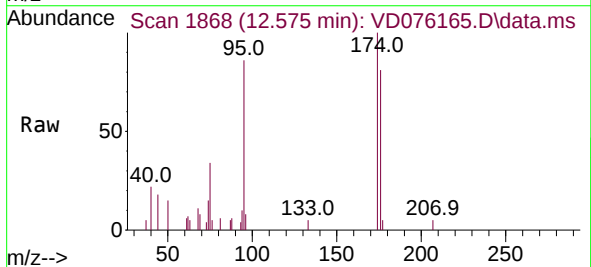
Instrument :
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ClientSampleId :
TP10

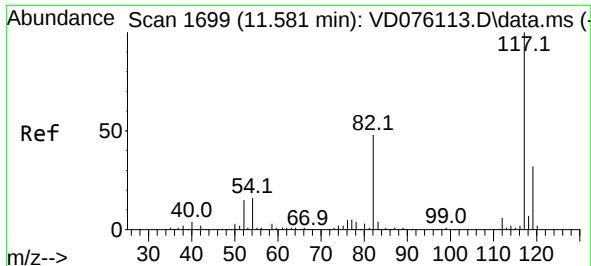
Tgt Ion: 98 Resp: 12770
Ion Ratio Lower Upper
98 100
100 57.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.428 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076165.D
Acq: 19 May 2023 19:39

Tgt Ion: 95 Resp: 4789
Ion Ratio Lower Upper
95 100
174 101.2 0.0 164.0
176 88.7 0.0 156.8

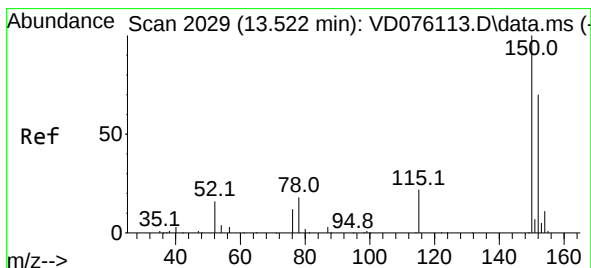
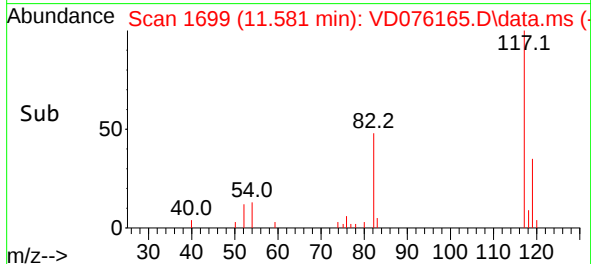
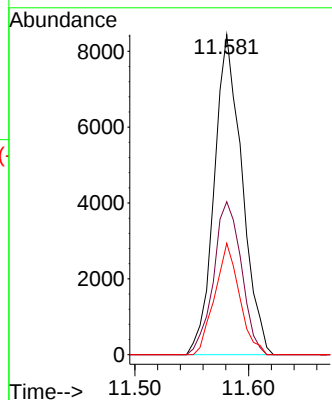
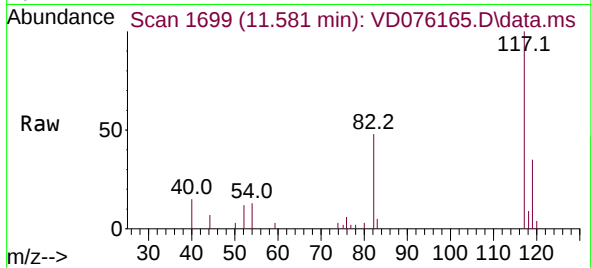




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076165.D
Acq: 19 May 2023 19:39

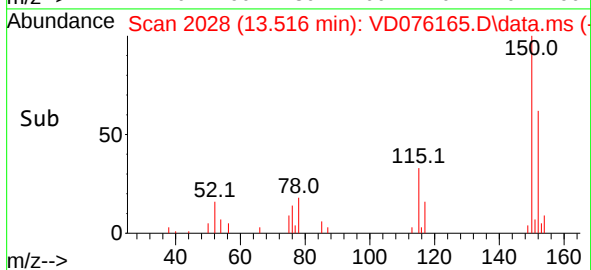
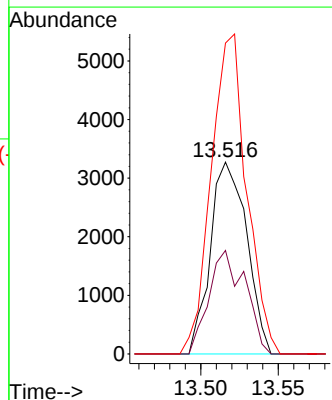
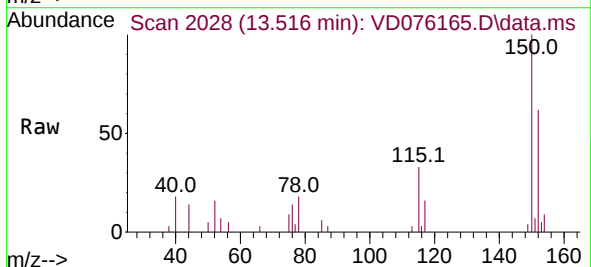
Instrument :
MSVOA_D
ClientSampleId :
TP10

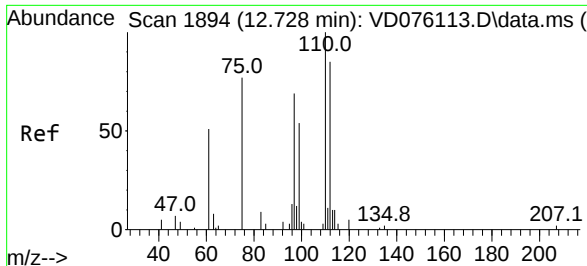
Tgt Ion:117 Resp: 14347
Ion Ratio Lower Upper
117 100
82 47.8 44.0 66.0
119 34.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076165.D
Acq: 19 May 2023 19:39

Tgt Ion:152 Resp: 5338
Ion Ratio Lower Upper
152 100
115 53.7 30.1 90.3
150 162.9 0.0 364.8

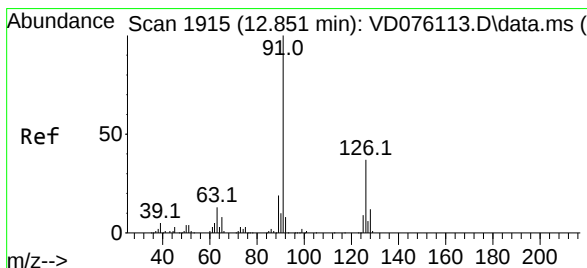
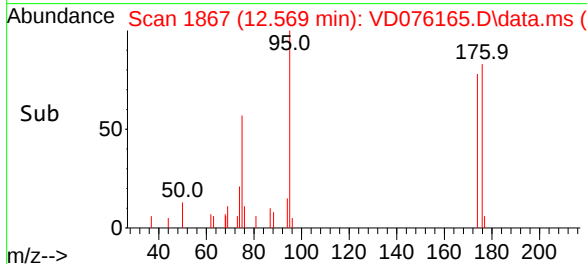
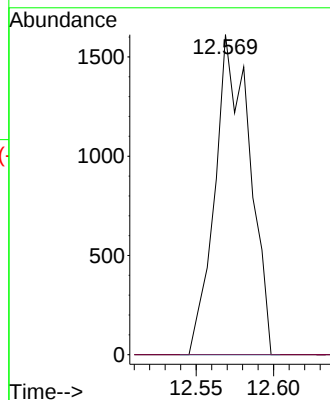
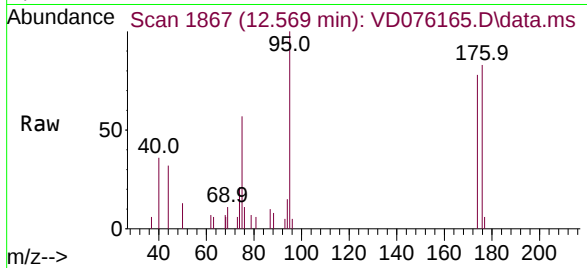




#76
1,2,3-Trichloropropane
Concen: 53.990 ug/l
RT: 12.569 min Scan# 11
Delta R.T. -0.159 min
Lab File: VD076165.D
Acq: 19 May 2023 19:39

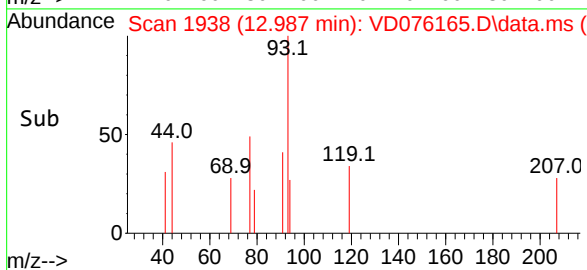
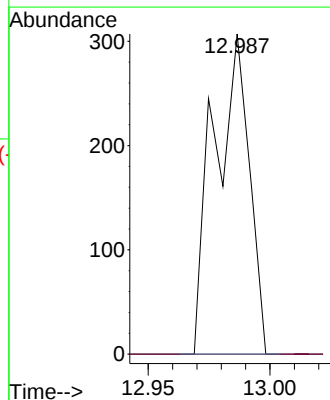
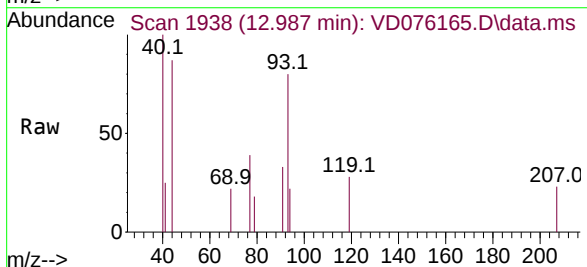
Instrument :
MSVOA_D
ClientSampleId :
TP10

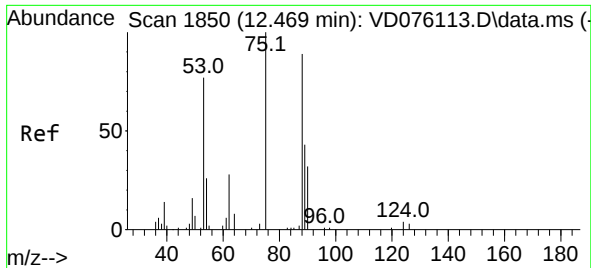
Tgt Ion: 75 Resp: 2522
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#79
2-Chlorotoluene
Concen: 1.266 ug/l
RT: 12.987 min Scan# 1938
Delta R.T. 0.136 min
Lab File: VD076165.D
Acq: 19 May 2023 19:39

Tgt Ion: 91 Resp: 308
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.3#

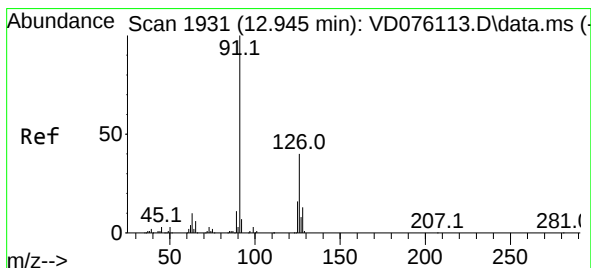
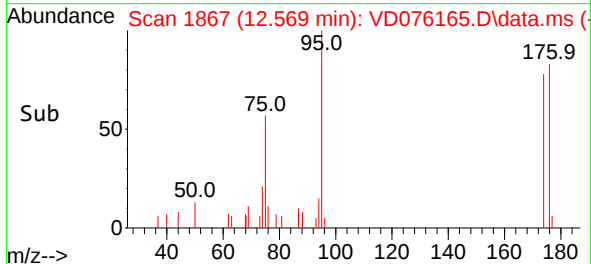
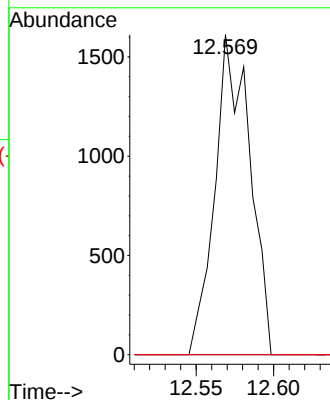
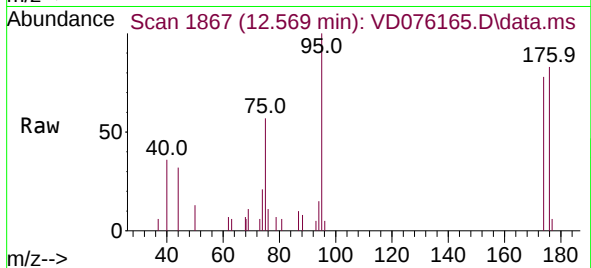




#81
trans-1,4-Dichloro-2-butene
Concen: 113.263 ug/l
RT: 12.569 min Scan# 1850
Delta R.T. 0.094 min
Lab File: VD076165.D
Acq: 19 May 2023 19:39

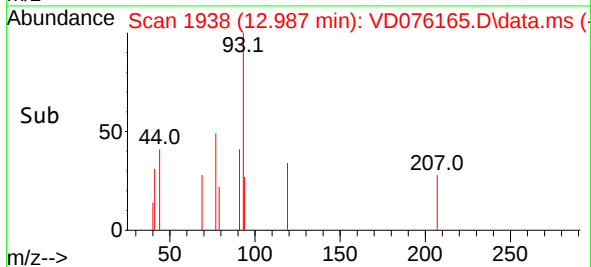
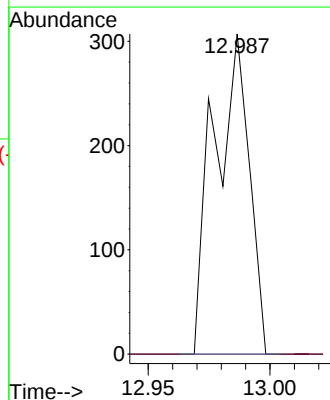
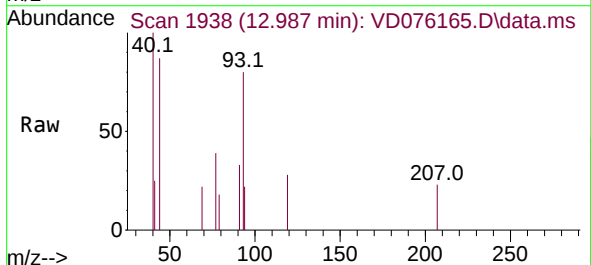
Instrument :
MSVOA_D
ClientSampleId :
TP10

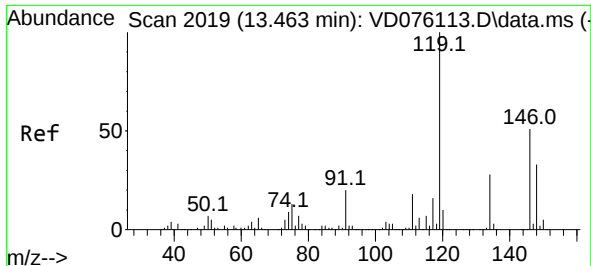
Tgt Ion: 75 Resp: 2522
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#



#82
4-Chlorotoluene
Concen: 1.190 ug/l
RT: 12.987 min Scan# 1938
Delta R.T. 0.036 min
Lab File: VD076165.D
Acq: 19 May 2023 19:39

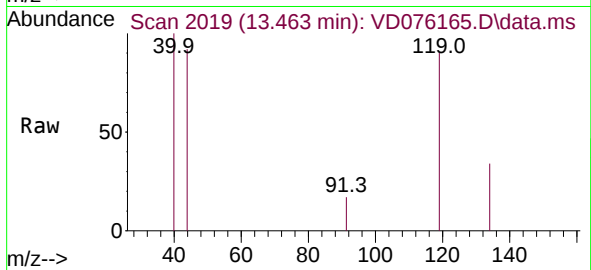
Tgt Ion: 91 Resp: 308
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#





#86
 p-Isopropyltoluene
 Concen: 3.778 ug/l
 RT: 13.463 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD076165.D
 Acq: 19 May 2023 19:39

Instrument :
 MSVOA_D
 ClientSampleId :
 TP10



Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.7	13.1	39.3
91	10.2	12.4	37.4#

