

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122821\
 Data File : VD071515.D
 Acq On : 28 Dec 2021 20:52
 Operator : VA/SY
 Sample : M5236-02
 Misc : 6.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

Quant Time: Dec 28 21:01:22 2021
 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)

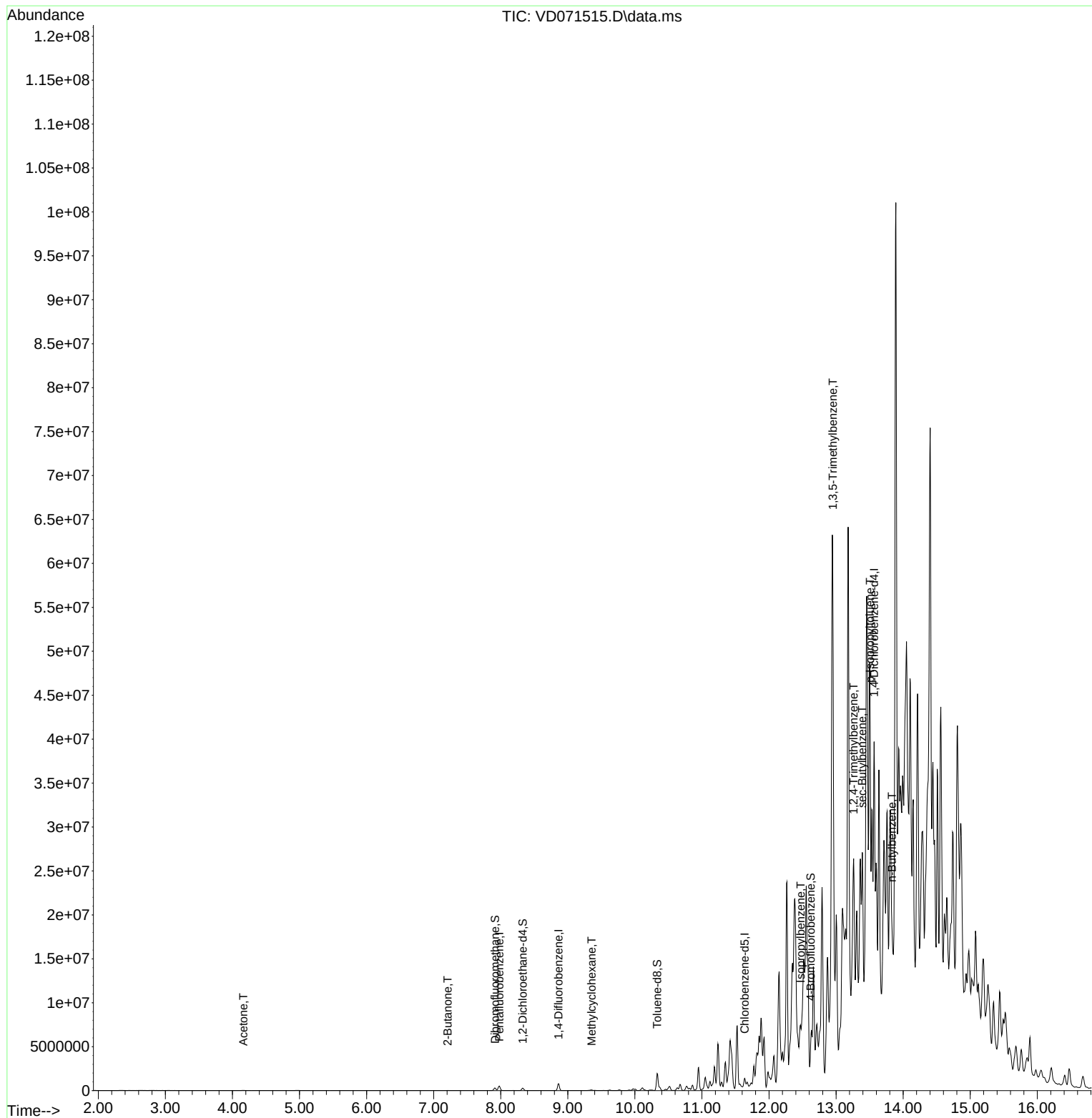
Internal Standards						
1) Pentafluorobenzene	7.979	168	354647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	617039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	572862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	323769	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	215061	45.660	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.320%
35) Dibromofluoromethane	7.914	113	199914	48.207	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.420%
50) Toluene-d8	10.332	98	823730	52.562	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.120%
62) 4-Bromofluorobenzene	12.620	95	457351	82.126	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	164.260%#
Target Compounds						
16) Acetone	4.162	43	32964	27.863	ug/l #	82
25) 2-Butanone	7.209	43	11589	8.201	ug/l #	88
39) Methylcyclohexane	9.356	83	23970	3.091	ug/l #	87
73) Isopropylbenzene	12.473	105	595393	23.853	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	4170449	202.561	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	8669302	425.451	ug/l	99
85) sec-Butylbenzene	13.391	105	6671150	248.729	ug/l	92
86) p-Isopropyltoluene	13.508	119	4000914	179.781	ug/l	97
89) n-Butylbenzene	13.832	91	1496353	68.505	ug/l #	63

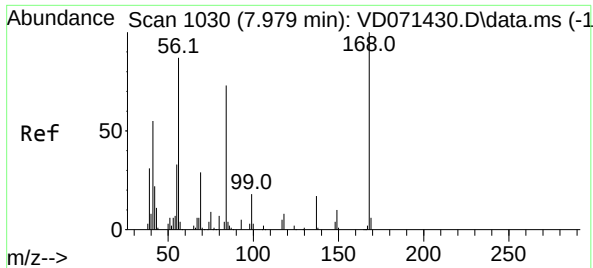
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260
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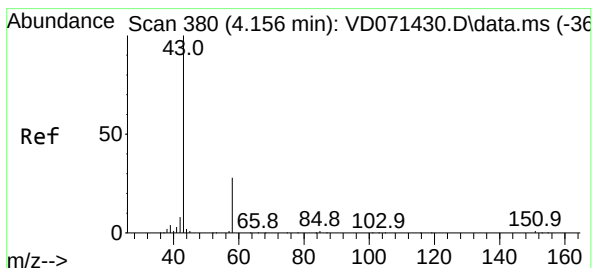
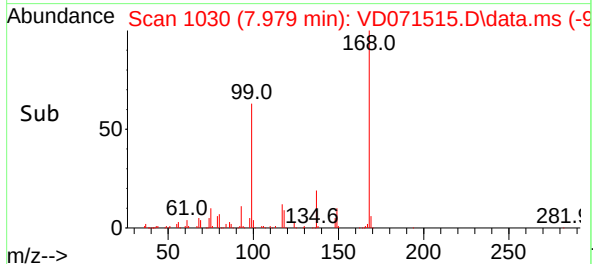
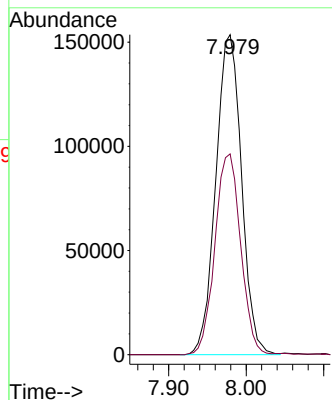
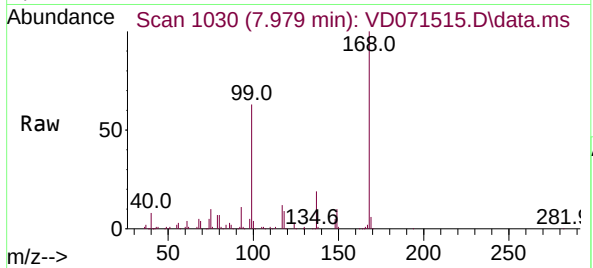




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071515.D
Acq: 28 Dec 2021 20:52

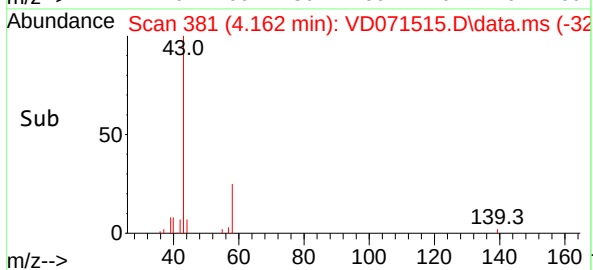
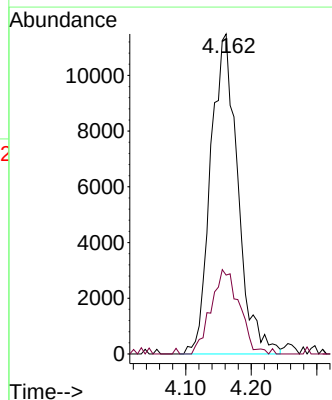
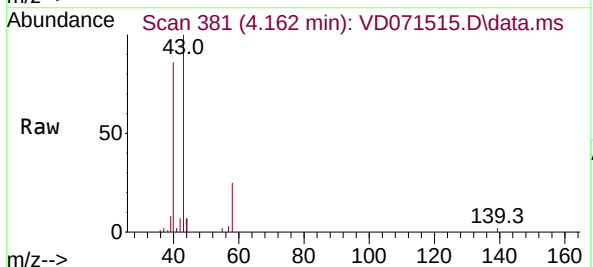
Instrument :
MSVOA_D
ClientSampleId :
SB-2

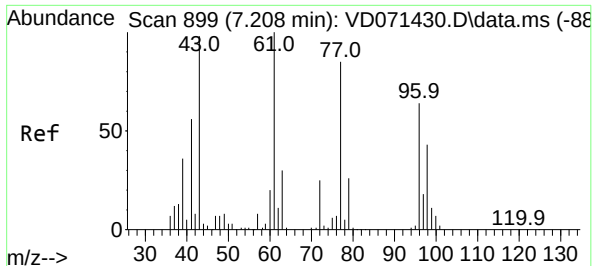
Tgt Ion:168 Resp: 354647
Ion Ratio Lower Upper
168 100
99 62.7 46.6 69.8



#16
Acetone
Concen: 27.863 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071515.D
Acq: 28 Dec 2021 20:52

Tgt Ion: 43 Resp: 32964
Ion Ratio Lower Upper
43 100
58 24.7 27.8 41.8#

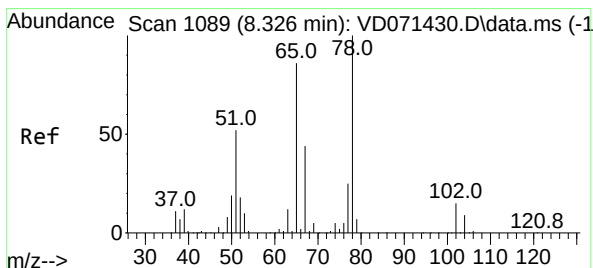
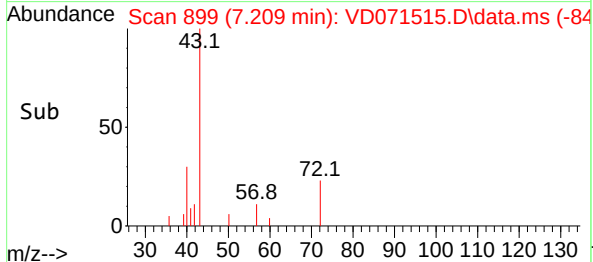
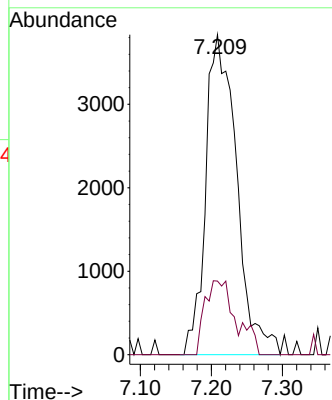
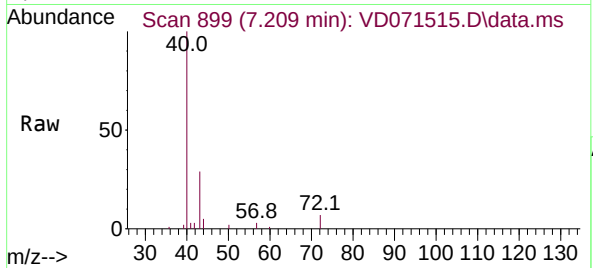




#25
2-Butanone
Concen: 8.201 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.001 min
Lab File: VD071515.D
Acq: 28 Dec 2021 20:52

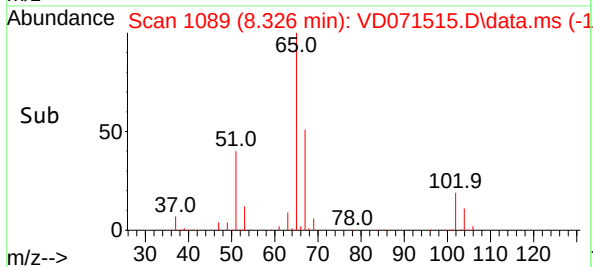
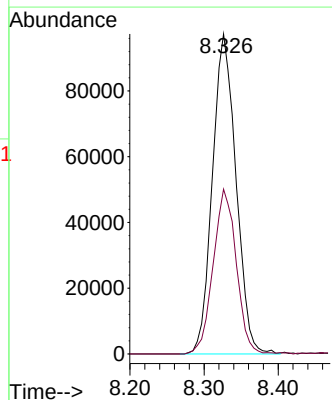
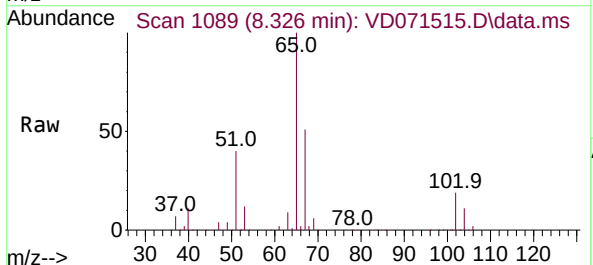
Instrument :
MSVOA_D
ClientSampleId :
SB-2

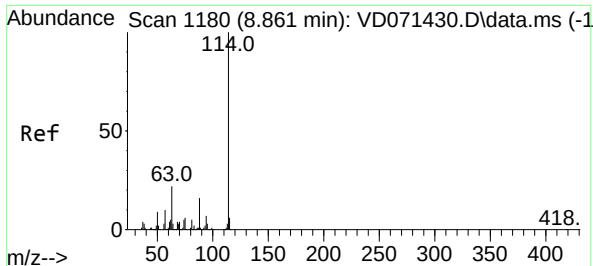
Tgt Ion: 43 Resp: 11589
Ion Ratio Lower Upper
43 100
72 23.0 23.8 35.6#



#33
1,2-Dichloroethane-d4
Concen: 45.660 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071515.D
Acq: 28 Dec 2021 20:52

Tgt Ion: 65 Resp: 215061
Ion Ratio Lower Upper
65 100
67 50.4 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: VD071515.D

Acq: 28 Dec 2021 20:52

Instrument :

MSVOA_D

ClientSampleId :

SB-2

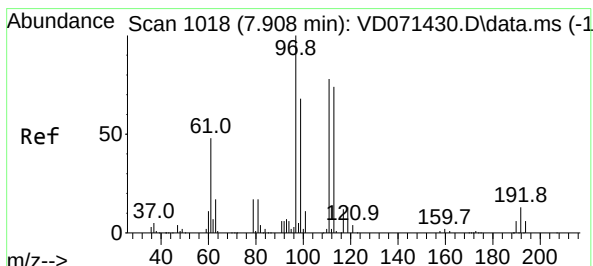
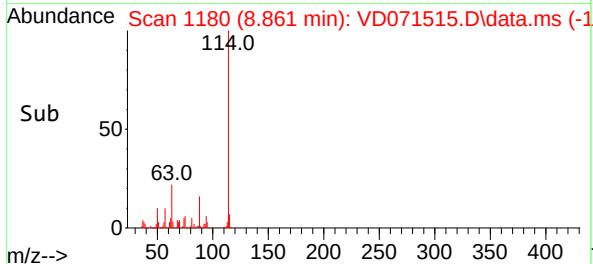
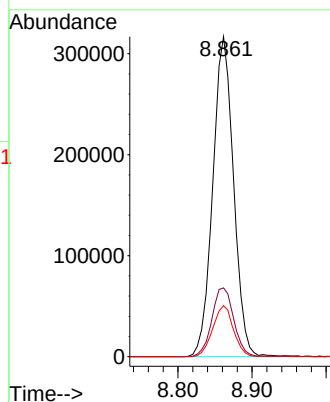
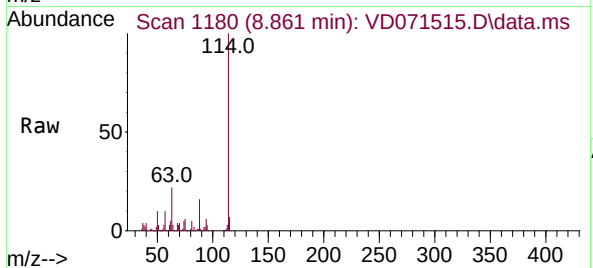
Tgt Ion:114 Resp: 617039

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 15.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.207 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071515.D

Acq: 28 Dec 2021 20:52

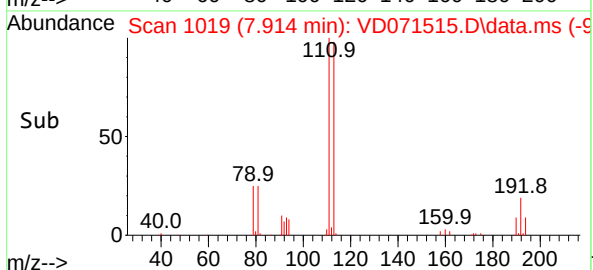
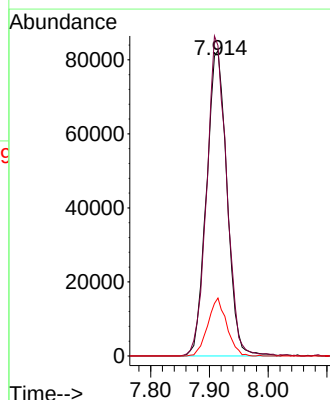
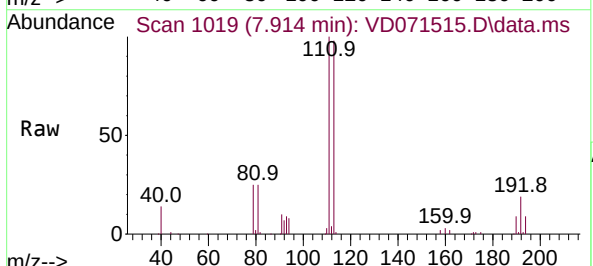
Tgt Ion:113 Resp: 199914

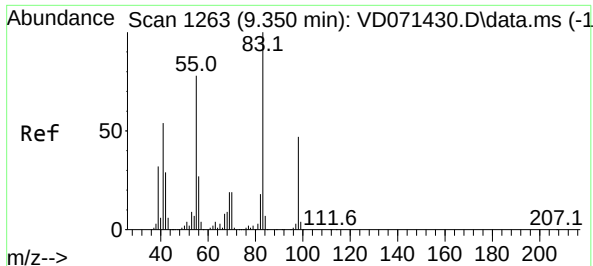
Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

192 17.5 15.2 22.8





#39

Methylcyclohexane

Concen: 3.091 ug/l

RT: 9.356 min Scan# 11

Delta R.T. 0.007 min

Lab File: VD071515.D

Acq: 28 Dec 2021 20:52

Instrument :

MSVOA_D

ClientSampleId :

SB-2

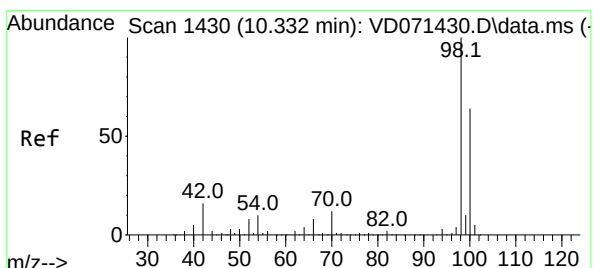
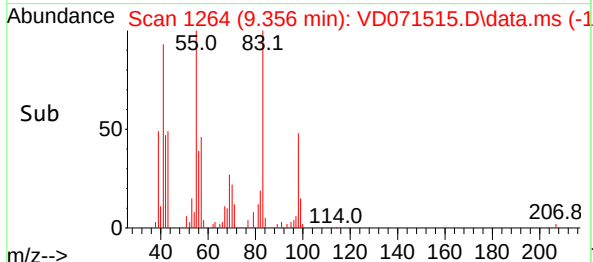
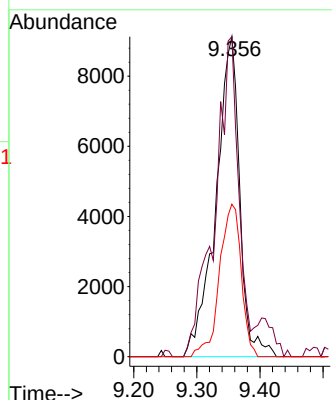
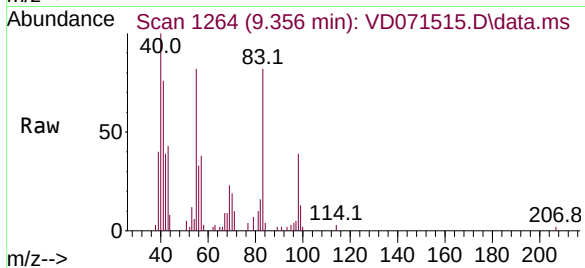
Tgt Ion: 83 Resp: 23970

Ion Ratio Lower Upper

83 100

55 100.0 65.8 98.8#

98 47.7 38.7 58.1



#50

Toluene-d8

Concen: 52.562 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD071515.D

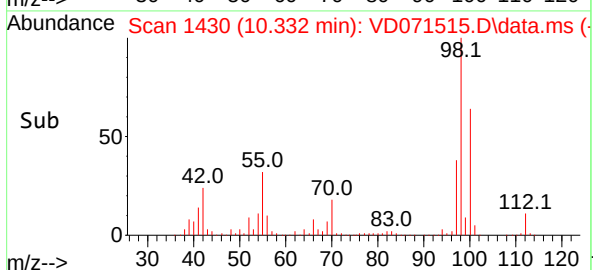
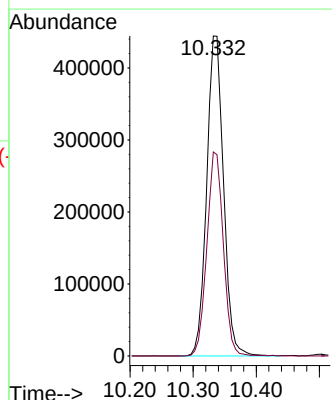
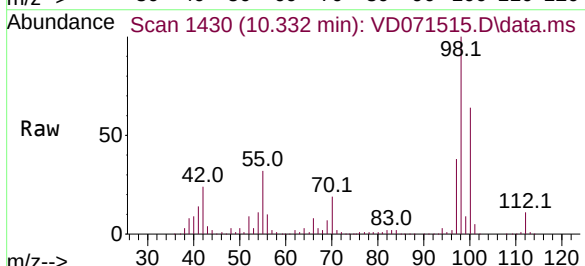
Acq: 28 Dec 2021 20:52

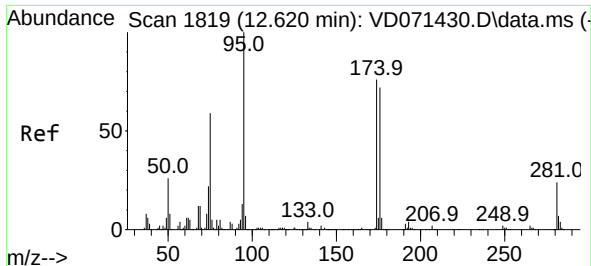
Tgt Ion: 98 Resp: 823730

Ion Ratio Lower Upper

98 100

100 62.4 51.8 77.6

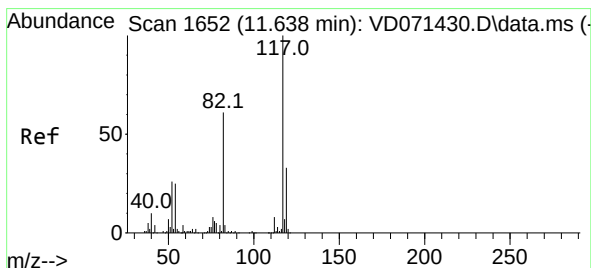
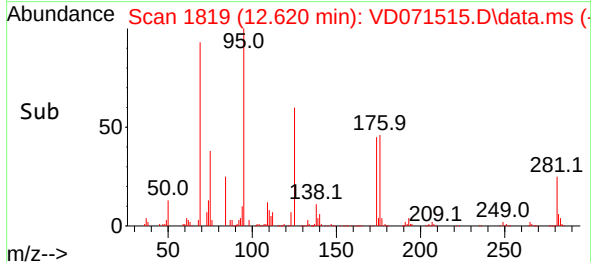
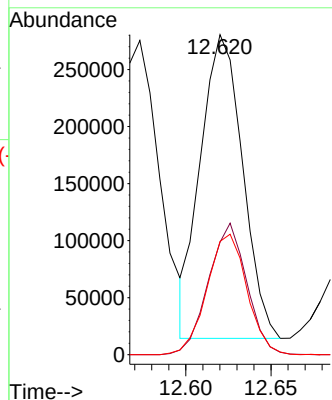
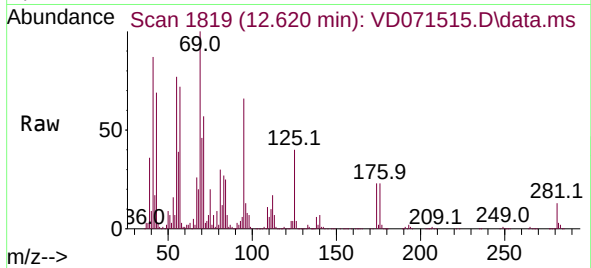




#62
4-Bromofluorobenzene
Concen: 82.126 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071515.D
Acq: 28 Dec 2021 20:52

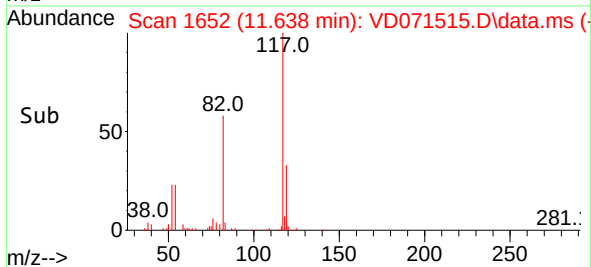
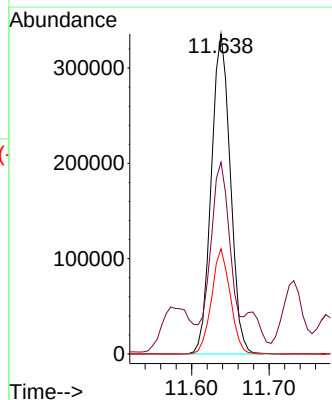
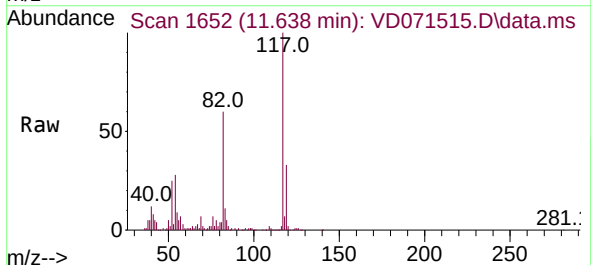
Instrument :
MSVOA_D
ClientSampleId :
SB-2

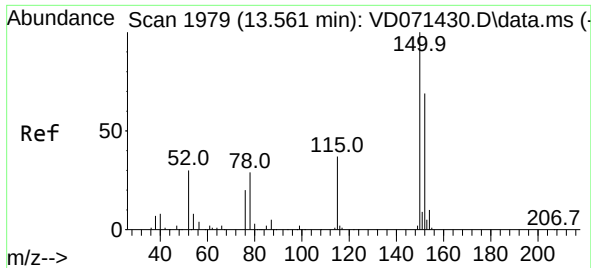
Tgt Ion: 95 Resp: 457351
Ion Ratio Lower Upper
95 100
174 39.5 0.0 159.4
176 37.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071515.D
Acq: 28 Dec 2021 20:52

Tgt Ion: 117 Resp: 572862
Ion Ratio Lower Upper
117 100
82 49.7 44.7 67.1
119 32.8 26.2 39.4

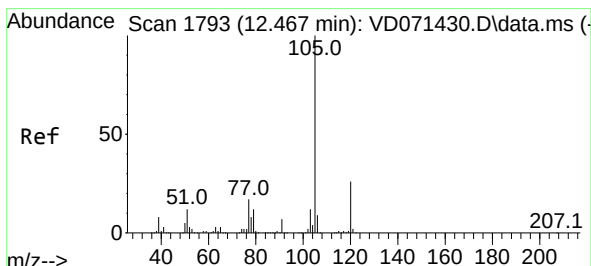
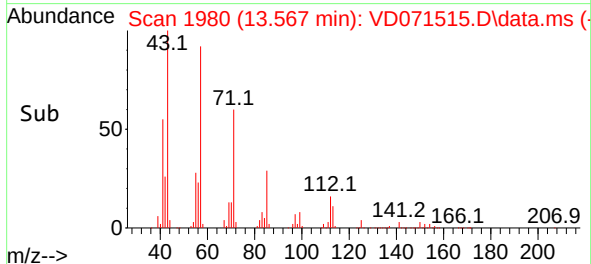
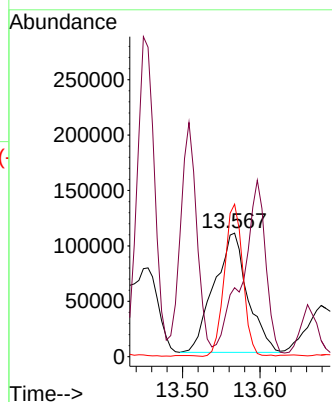
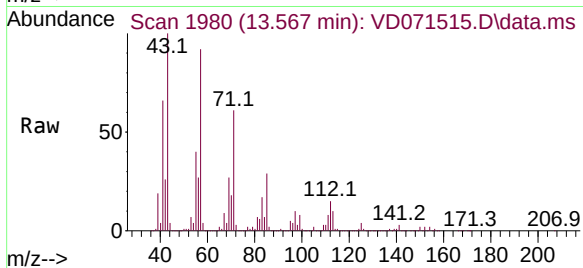




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071515.D
Acq: 28 Dec 2021 20:52

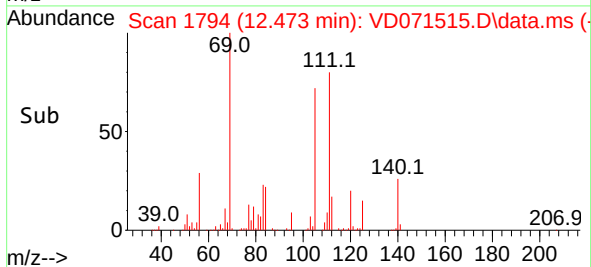
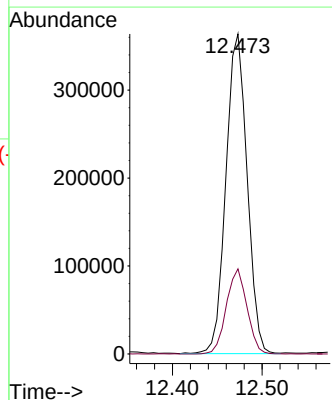
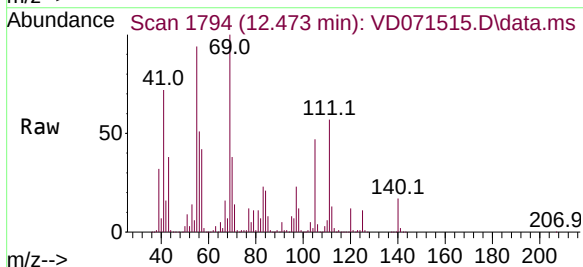
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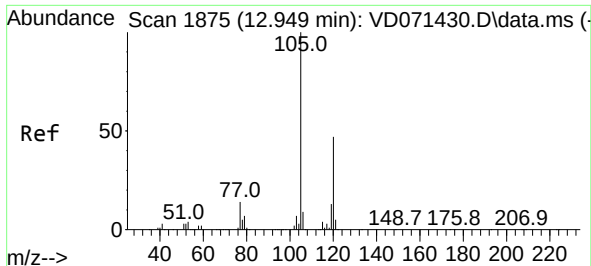
Tgt Ion:152 Resp: 323769
Ion Ratio Lower Upper
152 100
115 0.0 29.8 89.3#
150 70.5 0.0 349.2



#73
Isopropylbenzene
Concen: 23.853 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD071515.D
Acq: 28 Dec 2021 20:52

Tgt Ion:105 Resp: 595393
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.5

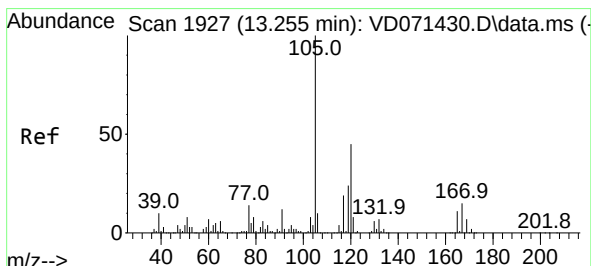
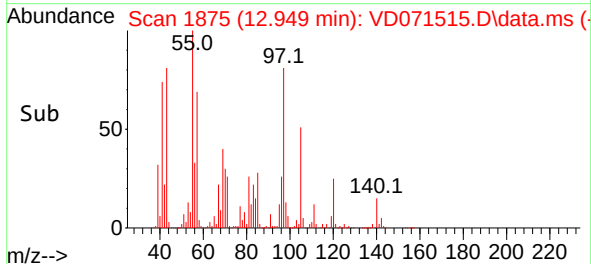
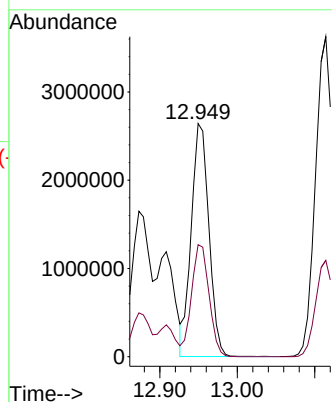
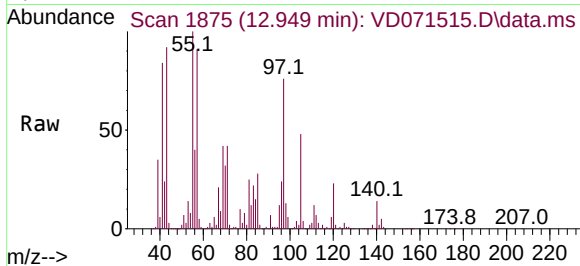




#80
 1,3,5-Trimethylbenzene
 Concen: 202.561 ug/l
 RT: 12.949 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VD071515.D
 Acq: 28 Dec 2021 20:52

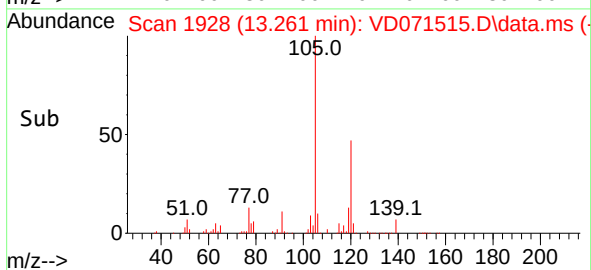
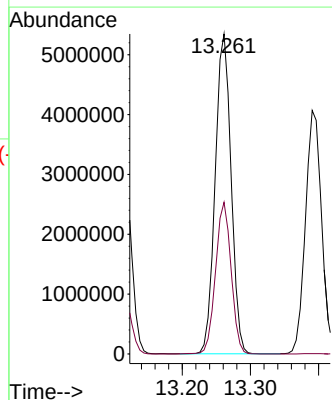
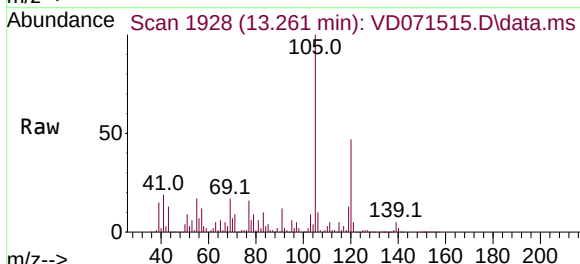
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

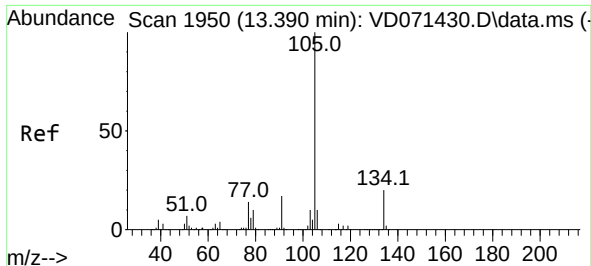
Tgt Ion:105 Resp: 4170449
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.6 73.8



#84
 1,2,4-Trimethylbenzene
 Concen: 425.451 ug/l
 RT: 13.261 min Scan# 1928
 Delta R.T. 0.000 min
 Lab File: VD071515.D
 Acq: 28 Dec 2021 20:52

Tgt Ion:105 Resp: 8669302
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.7

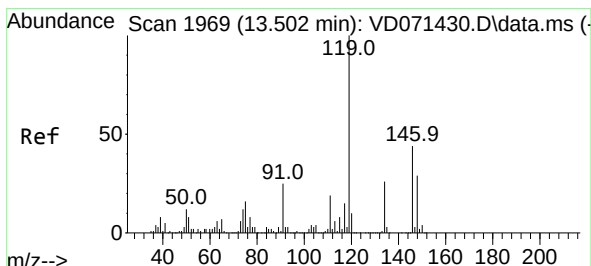
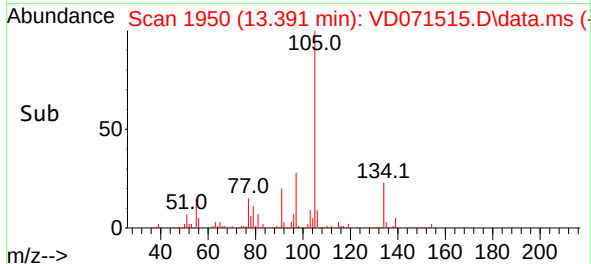
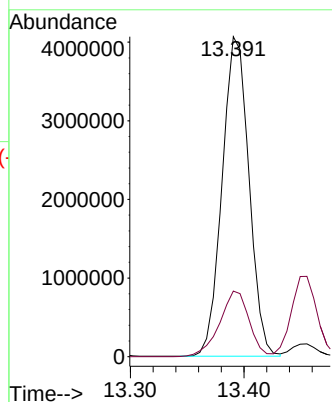
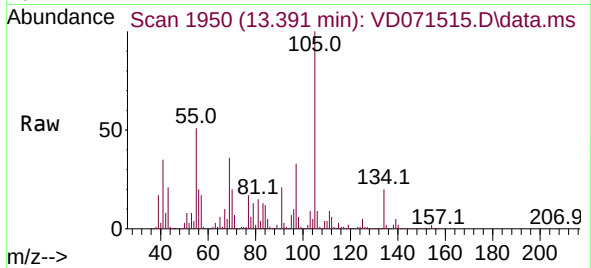




#85
 sec-Butylbenzene
 Concen: 248.729 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. 0.001 min
 Lab File: VD071515.D
 Acq: 28 Dec 2021 20:52

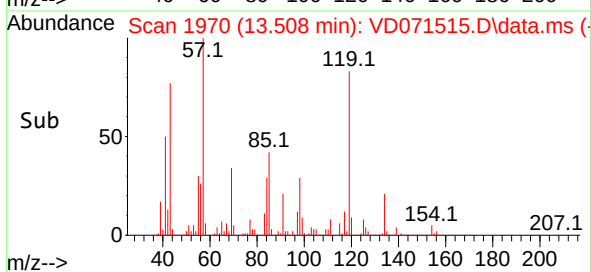
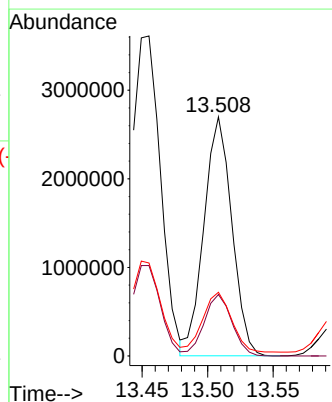
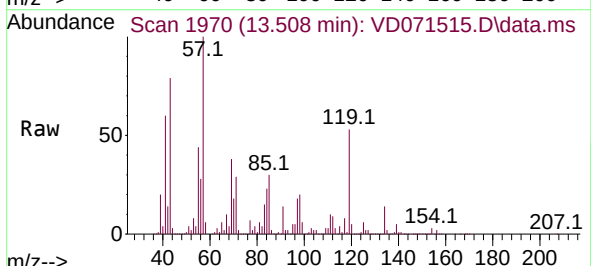
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

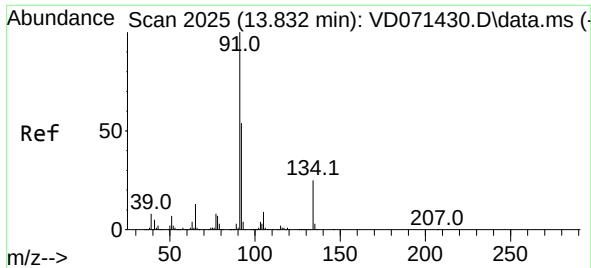
Tgt Ion:105 Resp: 6671150
 Ion Ratio Lower Upper
 105 100
 134 22.7 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 179.781 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. 0.006 min
 Lab File: VD071515.D
 Acq: 28 Dec 2021 20:52

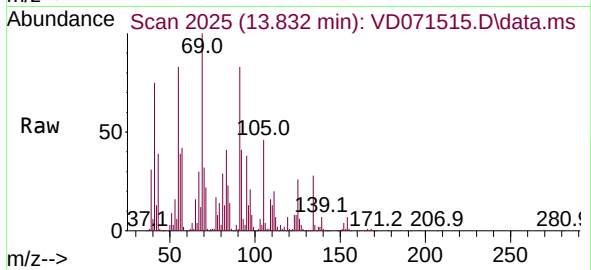
Tgt Ion:119 Resp: 4000914
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 25.7 11.4 34.2





#89
 n-Butylbenzene
 Concen: 68.505 ug/l
 RT: 13.832 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD071515.D
 Acq: 28 Dec 2021 20:52

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2



Tgt Ion: 91 Resp: 1496353

Ion	Ratio	Lower	Upper
91	100		
92	77.6	27.3	81.9
134	0.0	12.3	36.9#

