

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076215.D
 Acq On : 24 May 2023 15:40
 Operator : KP/SY
 Sample : 02892-01
 Misc : 6.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-30

Quant Time: May 25 06:02:01 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)

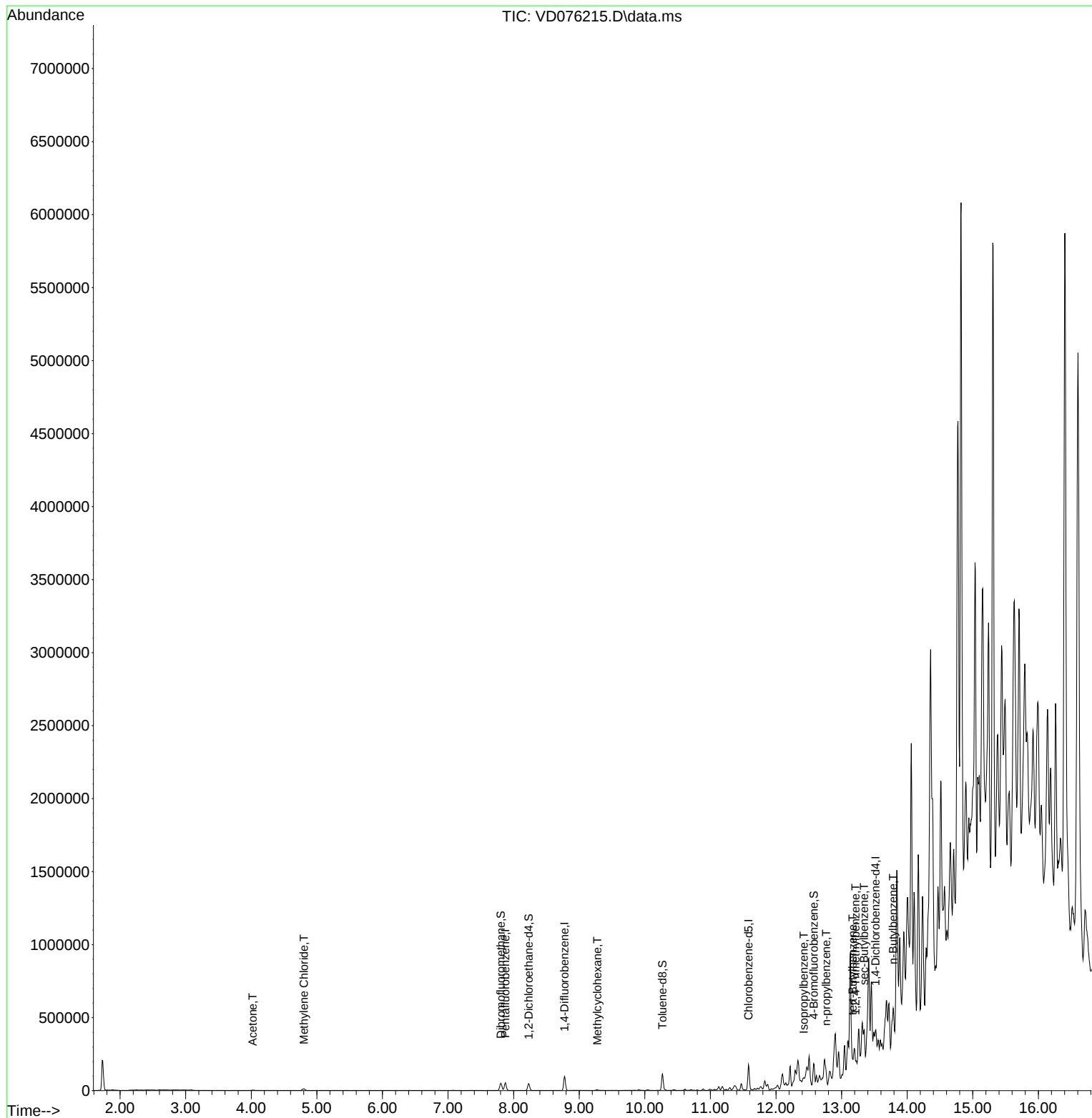
Internal Standards						
1) Pentafluorobenzene	7.875	168	41979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	91517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	105412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	53466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	35142	86.617	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 173.240%#	
35) Dibromofluoromethane	7.805	113	36841	58.239	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.480%	
50) Toluene-d8	10.269	98	76705	31.105	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 62.220%	
62) 4-Bromofluorobenzene	12.575	95	42452	61.973	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 123.940%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	4516	55.945	ug/l #	62
20) Methylene Chloride	4.805	84	9639	7.358	ug/l #	77
39) Methylcyclohexane	9.275	83	2151	2.187	ug/l #	85
73) Isopropylbenzene	12.422	105	23933	6.767	ug/l	100
78) n-propylbenzene	12.763	91	64332	14.613	ug/l	99
83) tert-Butylbenzene	13.169	119	12097	4.882	ug/l	92
84) 1,2,4-Trimethylbenzene	13.210	105	6477	2.218	ug/l	83
85) sec-Butylbenzene	13.345	105	81624	21.137	ug/l #	64
89) n-Butylbenzene	13.787	91	130186	43.720	ug/l #	85

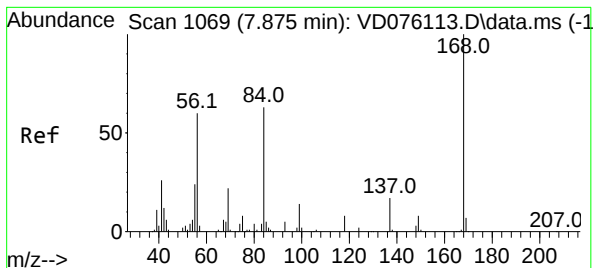
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076215.D

Acq: 24 May 2023 15:40

Instrument :

MSVOA_D

ClientSampleId :

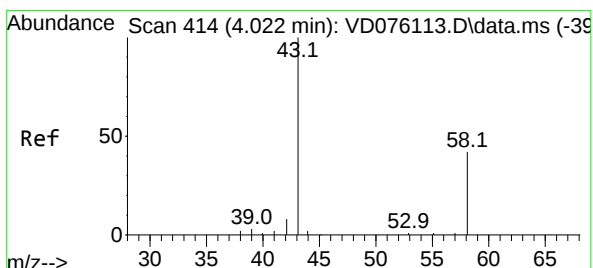
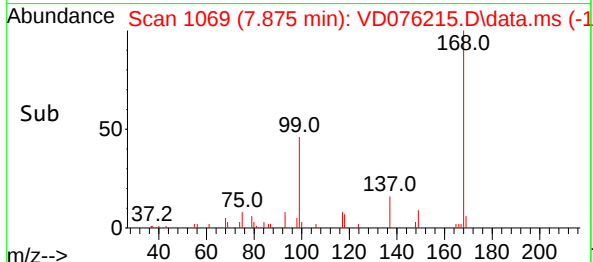
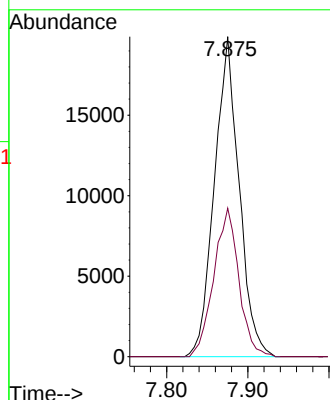
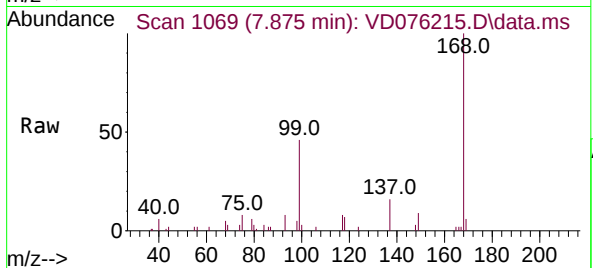
TP-30

Tgt Ion:168 Resp: 41979

Ion Ratio Lower Upper

168 100

99 46.4 43.8 65.6



#16

Acetone

Concen: 55.945 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD076215.D

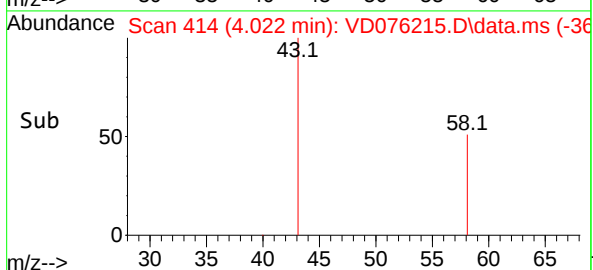
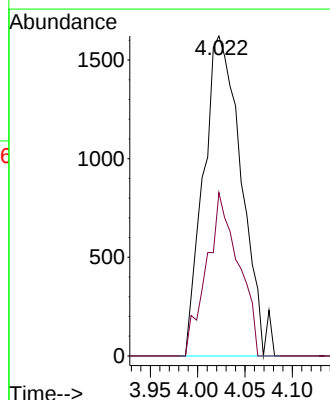
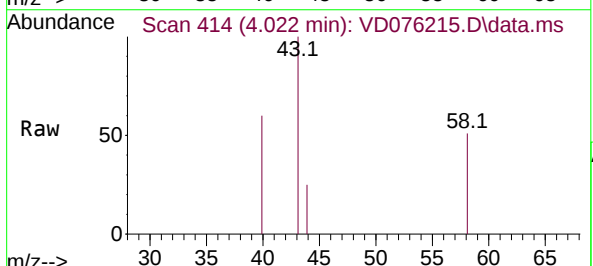
Acq: 24 May 2023 15:40

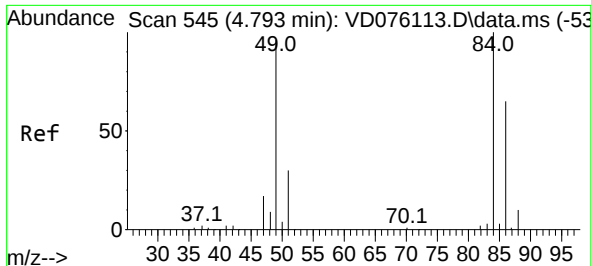
Tgt Ion: 43 Resp: 4516

Ion Ratio Lower Upper

43 100

58 51.0 24.4 36.6#

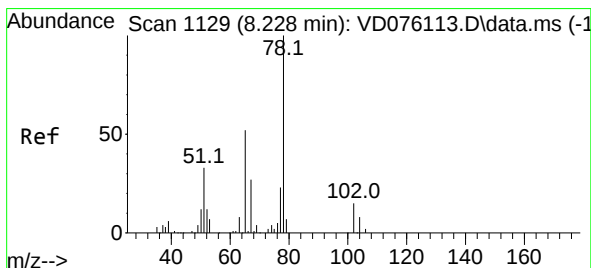
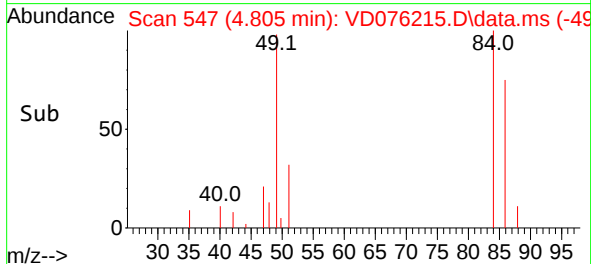
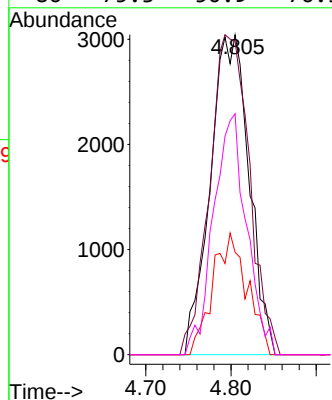
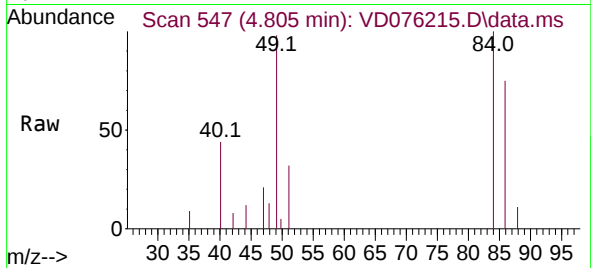




#20
Methylene Chloride
Concen: 7.358 ug/l
RT: 4.805 min Scan# 545
Delta R.T. 0.006 min
Lab File: VD076215.D
Acq: 24 May 2023 15:40

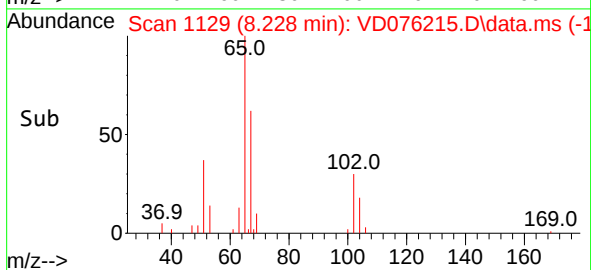
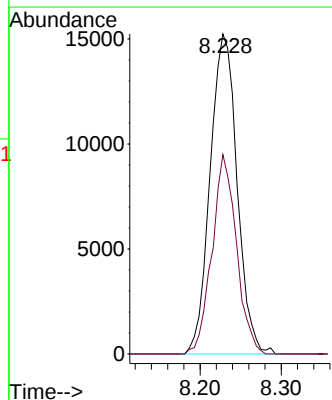
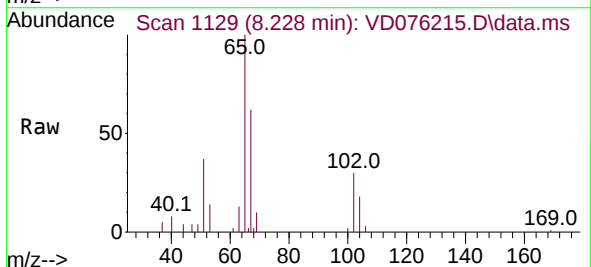
Instrument :
MSVOA_D
ClientSampleId :
TP-30

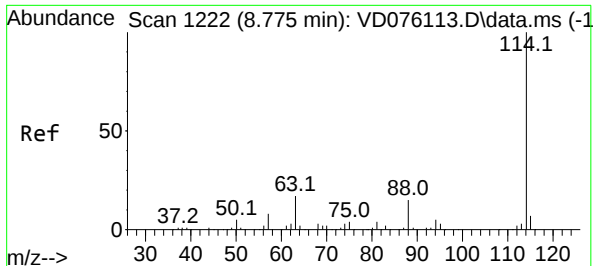
Tgt Ion:	84	Resp:	9639
Ion	Ratio	Lower	Upper
84	100		
49	98.0	106.4	159.6#
51	32.0	32.4	48.6#
86	75.3	50.9	76.3



#33
1,2-Dichloroethane-d4
Concen: 86.617 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076215.D
Acq: 24 May 2023 15:40

Tgt Ion:	65	Resp:	35142
Ion	Ratio	Lower	Upper
65	100		
67	56.5	0.0	102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076215.D

Acq: 24 May 2023 15:40

Instrument :

MSVOA_D

ClientSampleId :

TP-30

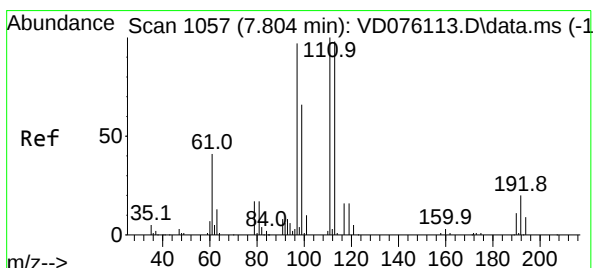
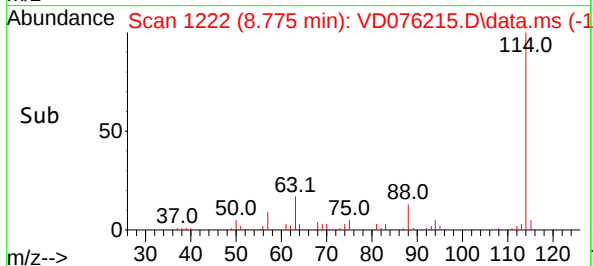
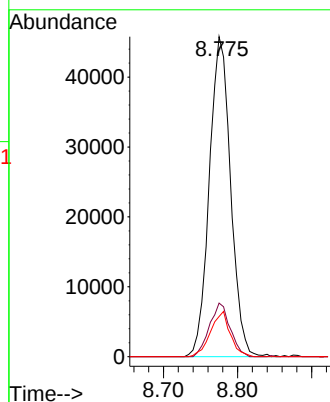
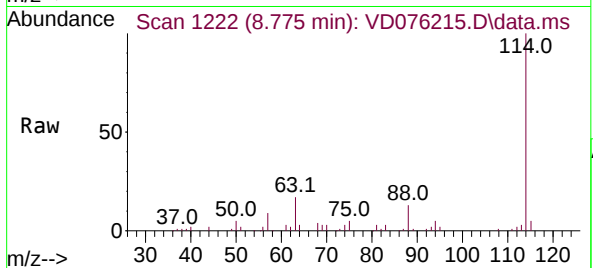
Tgt Ion:114 Resp: 91517

Ion Ratio Lower Upper

114 100

63 16.7 0.0 41.6

88 12.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 58.239 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076215.D

Acq: 24 May 2023 15:40

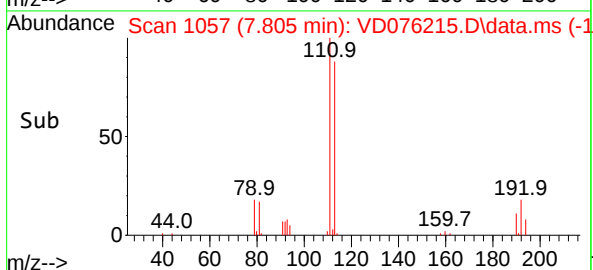
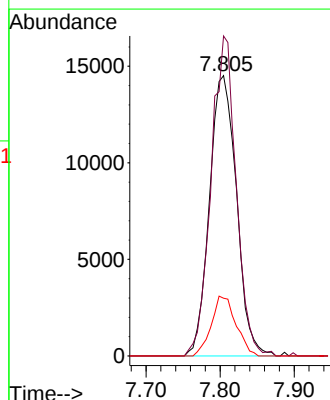
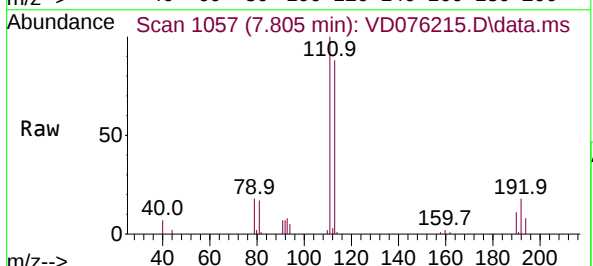
Tgt Ion:113 Resp: 36841

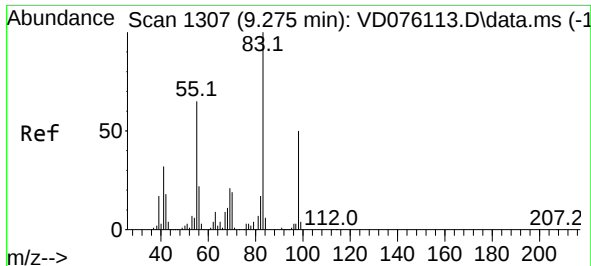
Ion Ratio Lower Upper

113 100

111 106.0 81.4 122.0

192 19.4 15.2 22.8





#39

Methylcyclohexane

Concen: 2.187 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076215.D

Acq: 24 May 2023 15:40

Instrument :

MSVOA_D

ClientSampleId :

TP-30

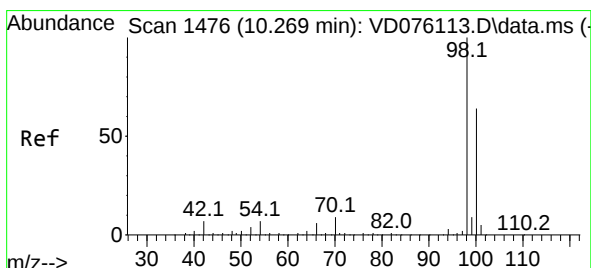
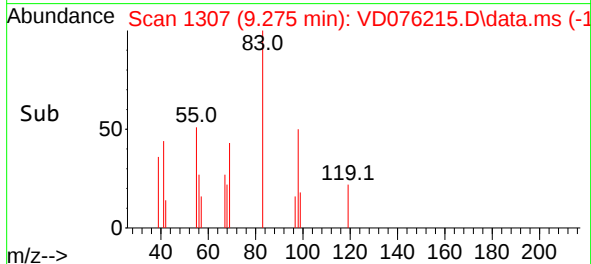
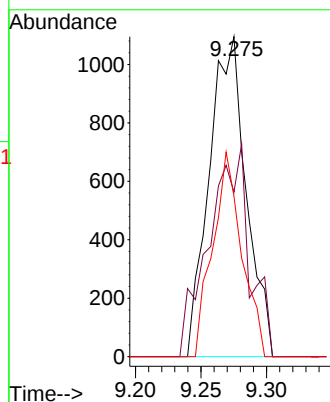
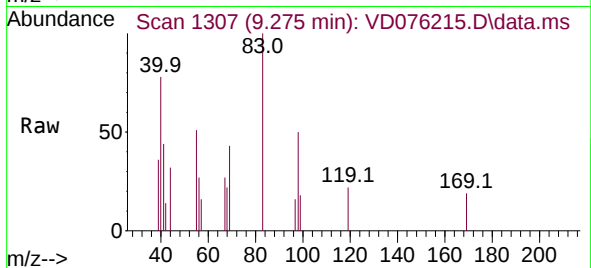
Tgt Ion: 83 Resp: 2151

Ion Ratio Lower Upper

83 100

55 51.4 56.8 85.2#

98 50.1 38.9 58.3



#50

Toluene-d8

Concen: 31.105 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076215.D

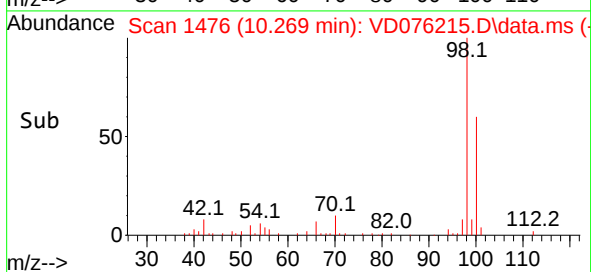
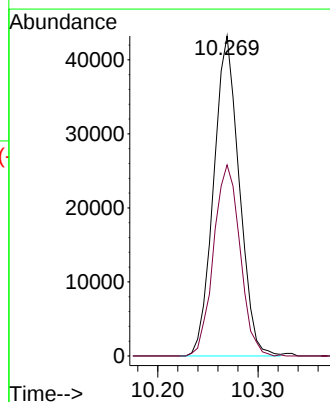
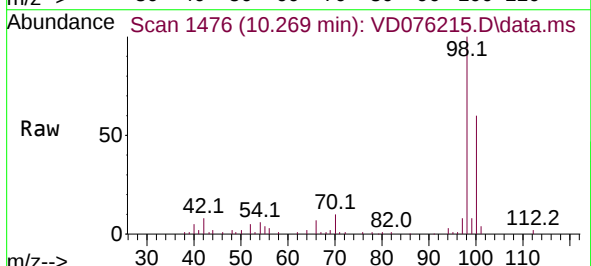
Acq: 24 May 2023 15:40

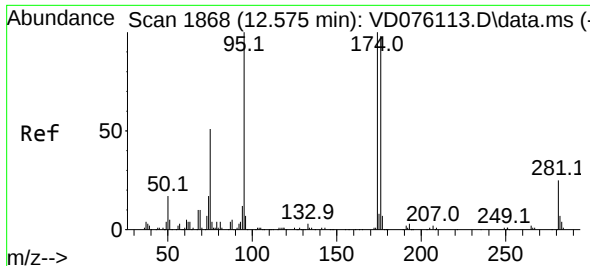
Tgt Ion: 98 Resp: 76705

Ion Ratio Lower Upper

98 100

100 61.7 52.1 78.1

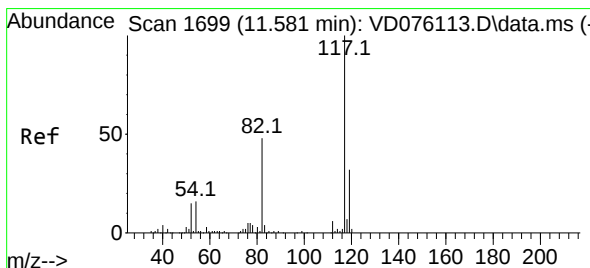
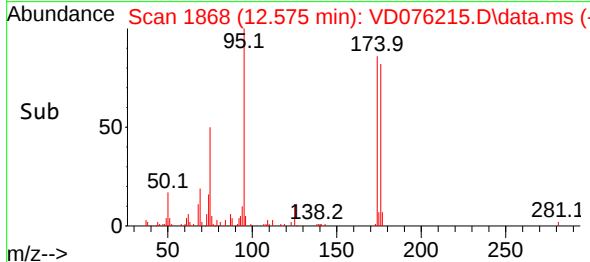
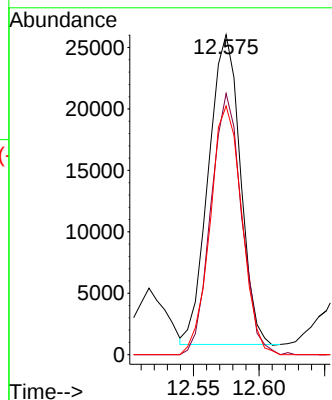
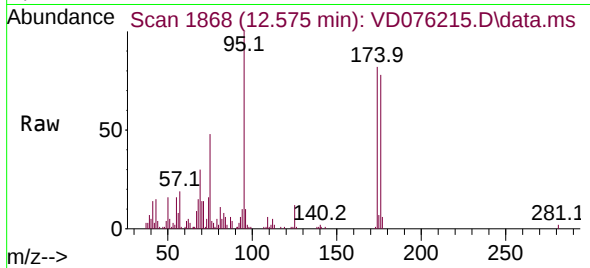




#62
4-Bromofluorobenzene
Concen: 61.973 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076215.D
Acq: 24 May 2023 15:40

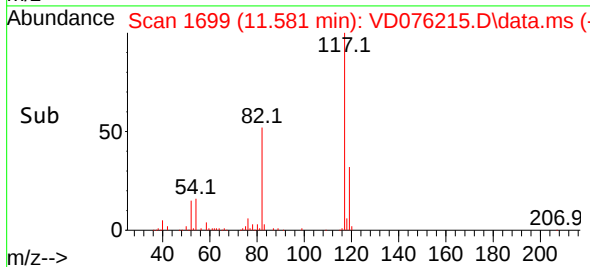
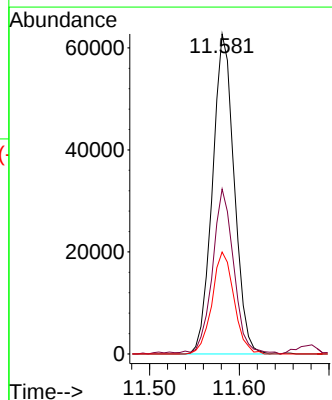
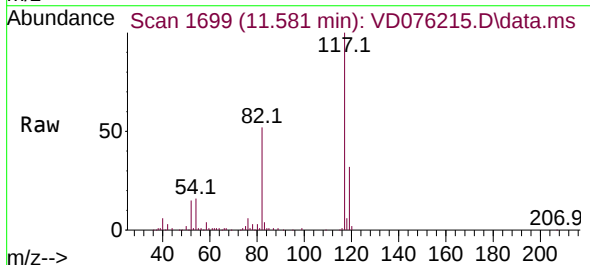
Instrument :
MSVOA_D
ClientSampleId :
TP-30

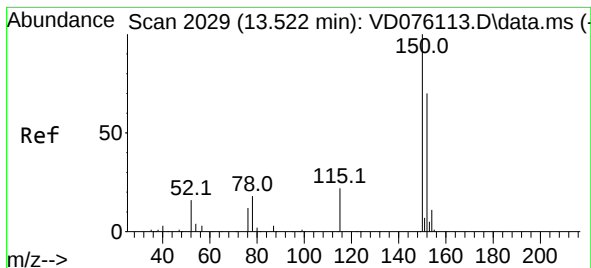
Tgt Ion: 95 Resp: 42452
Ion Ratio Lower Upper
95 100
174 81.5 0.0 164.0
176 79.8 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076215.D
Acq: 24 May 2023 15:40

Tgt Ion: 117 Resp: 105412
Ion Ratio Lower Upper
117 100
82 51.6 44.0 66.0
119 31.9 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2029

Delta R.T. -0.006 min

Lab File: VD076215.D

Acq: 24 May 2023 15:40

Instrument :

MSVOA_D

ClientSampleId :

TP-30

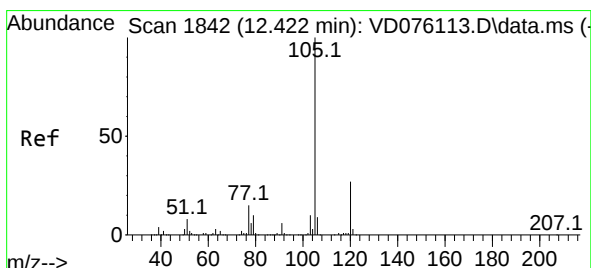
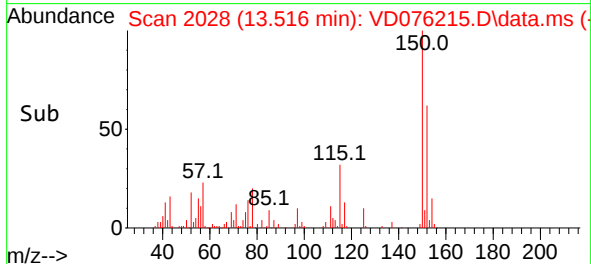
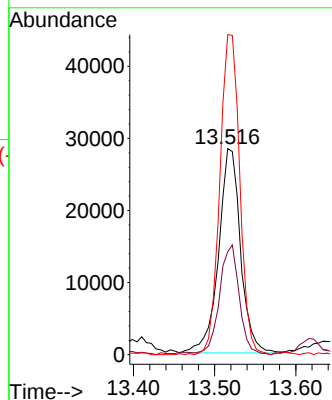
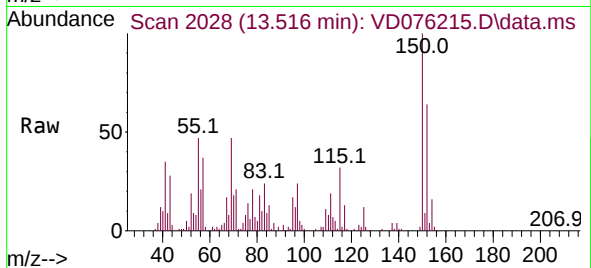
Tgt Ion:152 Resp: 53466

Ion Ratio Lower Upper

152 100

115 48.3 30.1 90.3

150 141.9 0.0 364.8



#73

Isopropylbenzene

Concen: 6.767 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD076215.D

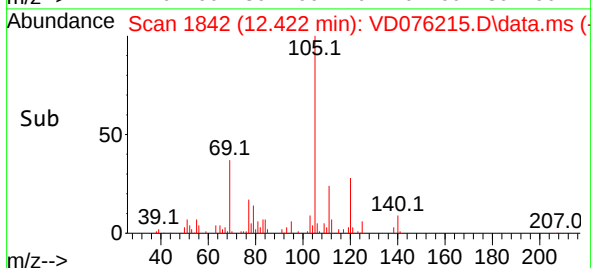
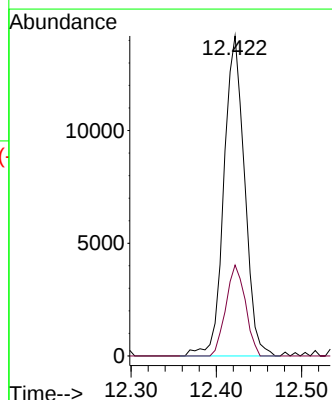
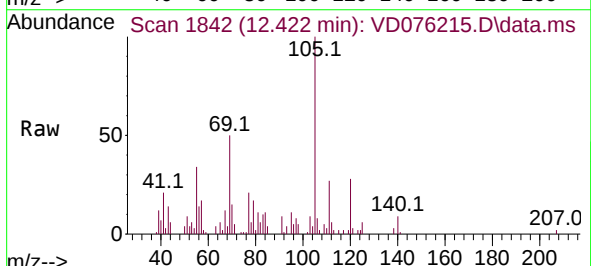
Acq: 24 May 2023 15:40

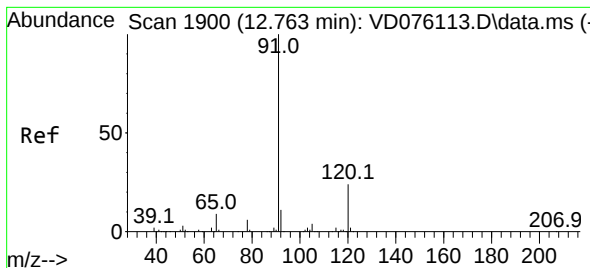
Tgt Ion:105 Resp: 23933

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1





#78

n-propylbenzene

Concen: 14.613 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD076215.D

Acq: 24 May 2023 15:40

Instrument :

MSVOA_D

ClientSampleId :

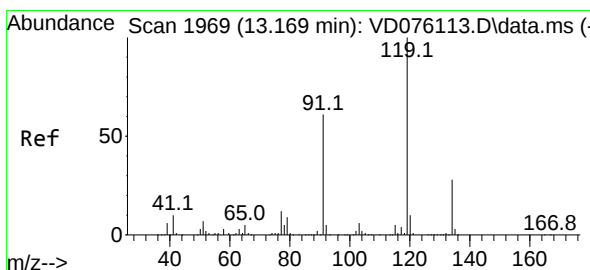
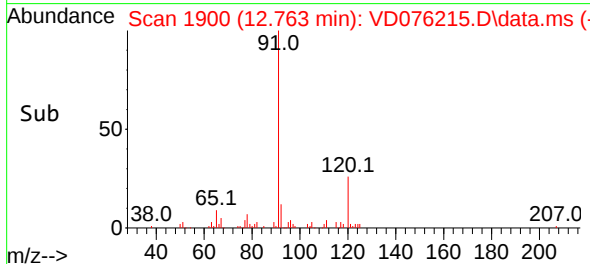
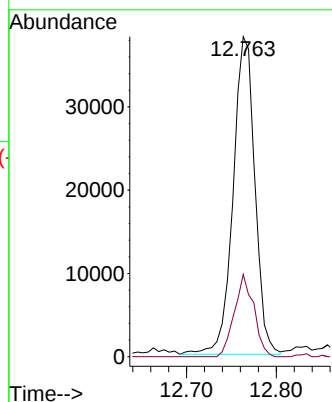
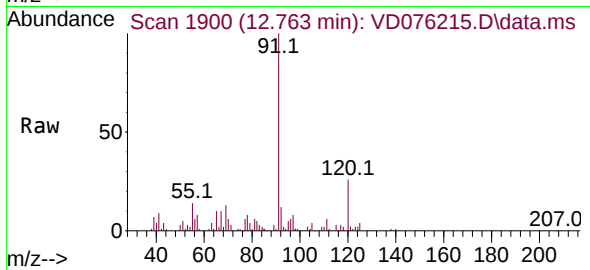
TP-30

Tgt Ion: 91 Resp: 64332

Ion Ratio Lower Upper

91 100

120 23.1 11.4 34.2



#83

tert-Butylbenzene

Concen: 4.882 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD076215.D

Acq: 24 May 2023 15:40

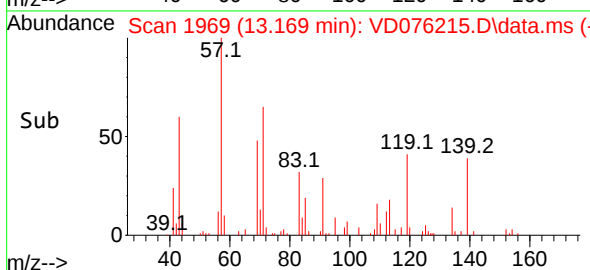
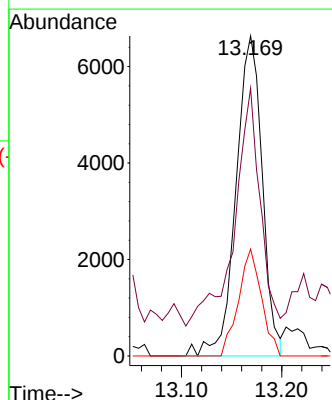
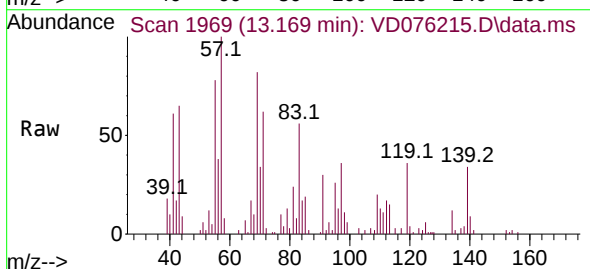
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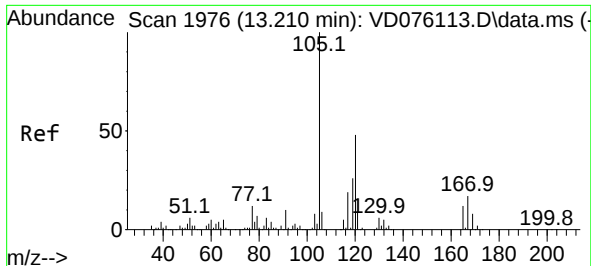
Ion Ratio Lower Upper

119 100

91 72.0 32.4 97.0

134 29.2 13.0 39.0

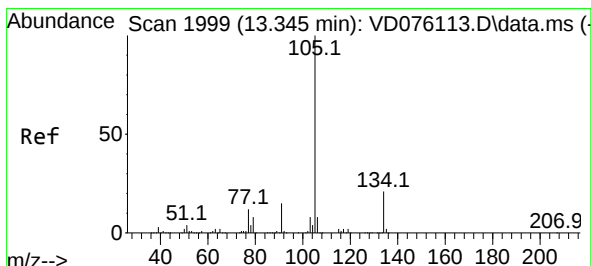
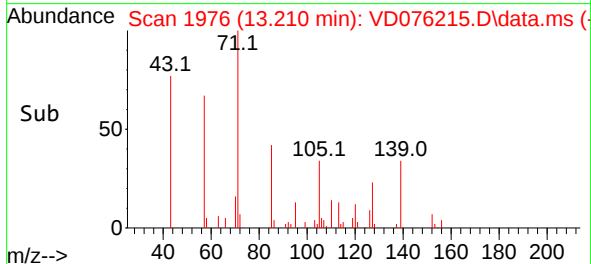
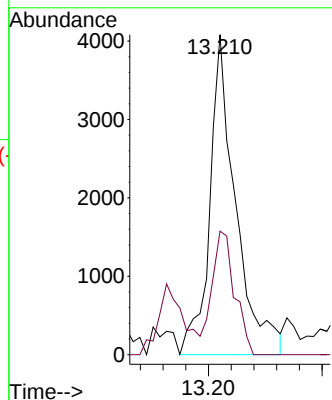
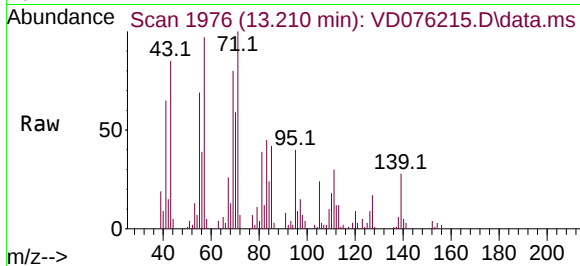




#84
1,2,4-Trimethylbenzene
Concen: 2.218 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.006 min
Lab File: VD076215.D
Acq: 24 May 2023 15:40

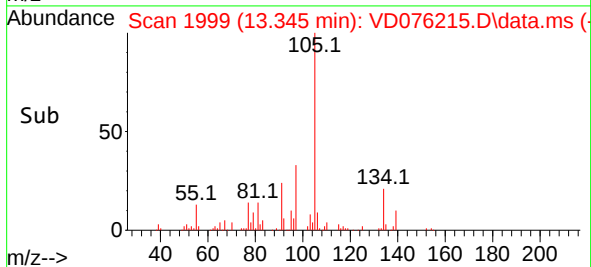
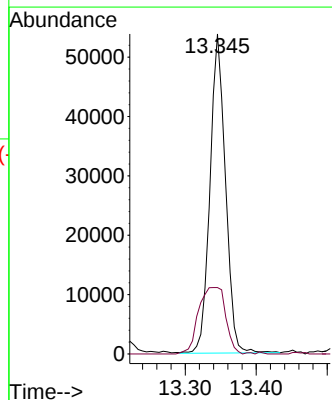
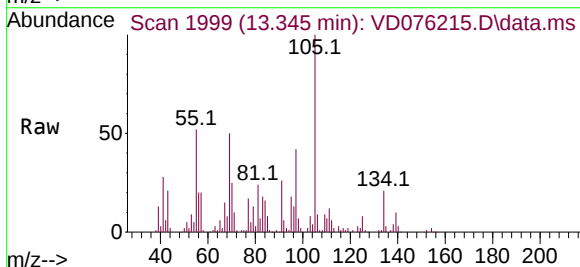
Instrument :
MSVOA_D
ClientSampleId :
TP-30

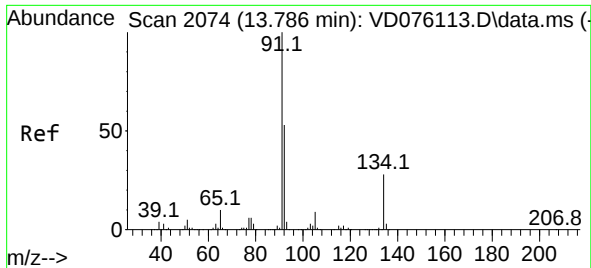
Tgt Ion:105 Resp: 6477
Ion Ratio Lower Upper
105 100
120 33.6 22.3 66.9



#85
sec-Butylbenzene
Concen: 21.137 ug/l
RT: 13.345 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VD076215.D
Acq: 24 May 2023 15:40

Tgt Ion:105 Resp: 81624
Ion Ratio Lower Upper
105 100
134 36.3 9.9 29.7#





#89

n-Butylbenzene

Concen: 43.720 ug/l

RT: 13.787 min Scan# 20

Delta R.T. -0.005 min

Lab File: VD076215.D

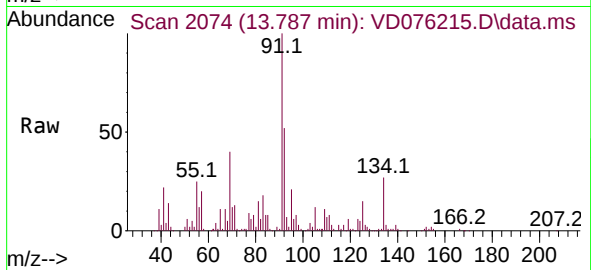
Acq: 24 May 2023 15:40

Instrument :

MSVOA_D

ClientSampleId :

TP-30



Tgt Ion:	91	Resp:	130186
Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.5
134	47.4	12.7	38.0

