

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060223\
 Data File : VD076317.D
 Acq On : 02 Jun 2023 17:01
 Operator : KP/SY
 Sample : 02986-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13-0A

Quant Time: Jun 03 02:24:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 05:50:45 2023
 Response via : Initial Calibration

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

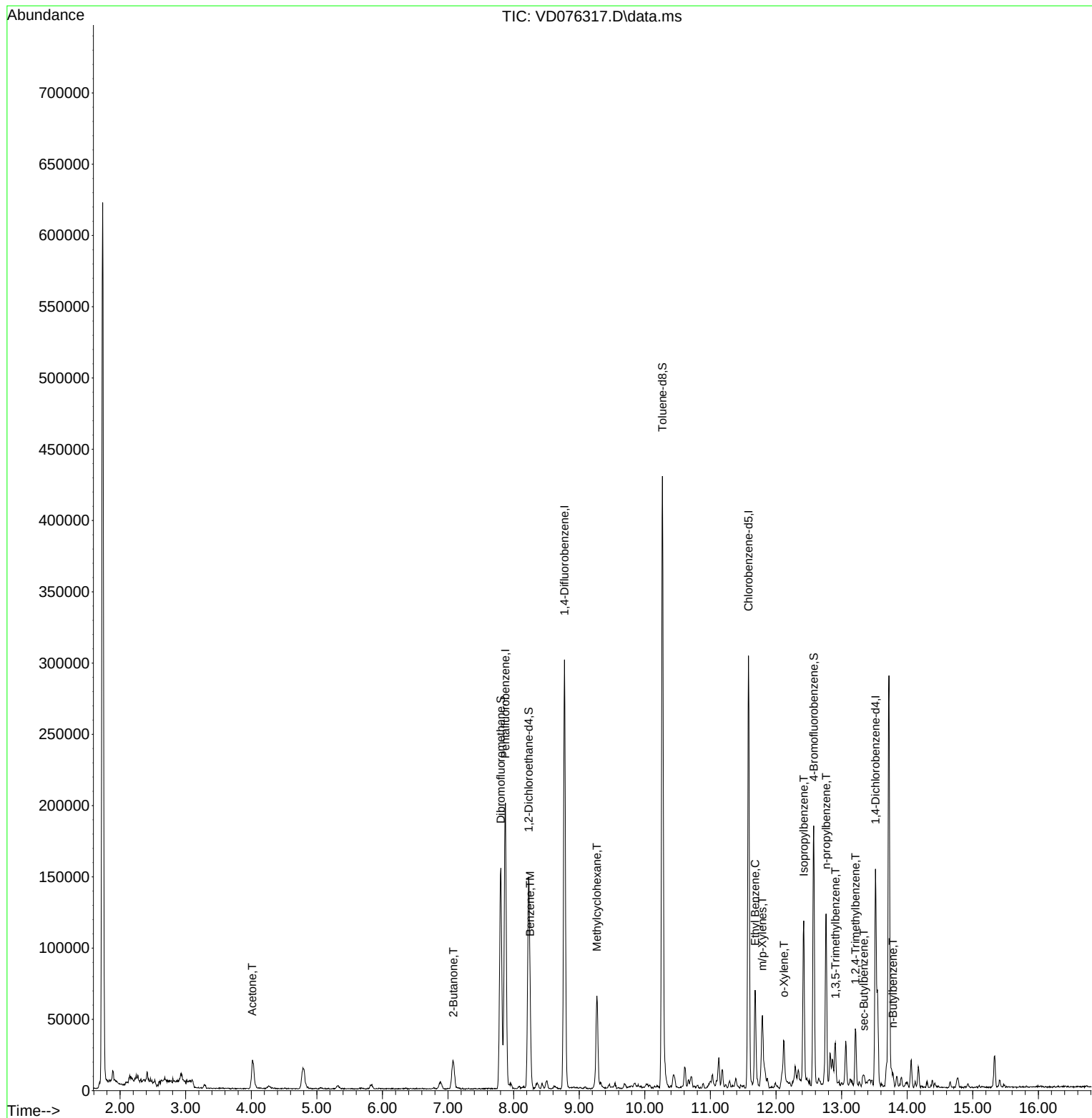
Internal Standards						
1) Pentafluorobenzene	7.875	168	153059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	281041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	43350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	98385	65.957	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.920%	
35) Dibromofluoromethane	7.805	113	113488	61.173	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.340%	
50) Toluene-d8	10.269	98	299943	41.933	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 83.860%	
62) 4-Bromofluorobenzene	12.575	95	55832	27.985	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 55.960%	
Target Compounds						
					Qvalue	
16) Acetone	4.016	43	33945	139.420	ug/l	98
25) 2-Butanone	7.081	43	10532	27.059	ug/l	88
39) Methylcyclohexane	9.269	83	26475	9.159	ug/l	92
40) Benzene	8.252	78	45681	5.610	ug/l	98
67) Ethyl Benzene	11.681	91	47322	7.336	ug/l	96
68) m/p-Xylenes	11.793	106	16941	6.349	ug/l	91
69) o-Xylene	12.122	106	9314	3.804	ug/l	95
73) Isopropylbenzene	12.422	105	76691	29.045	ug/l	98
78) n-propylbenzene	12.763	91	96041	29.137	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	10020	4.559	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	22219	9.905	ug/l	91
85) sec-Butylbenzene	13.340	105	4189	1.476	ug/l #	66
89) n-Butylbenzene	13.781	91	5138	2.357	ug/l #	76

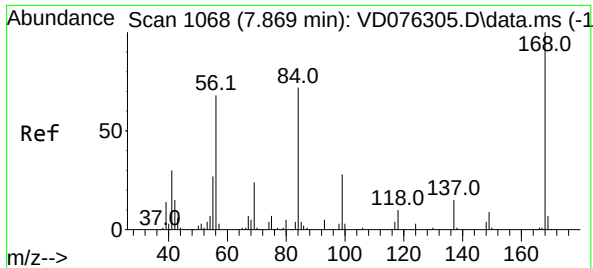
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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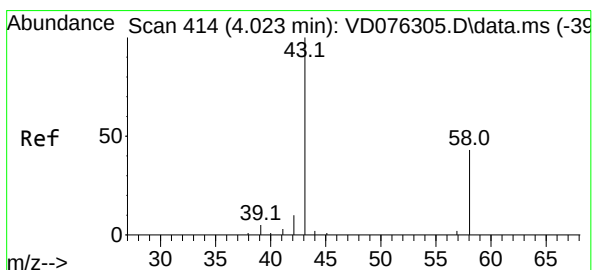
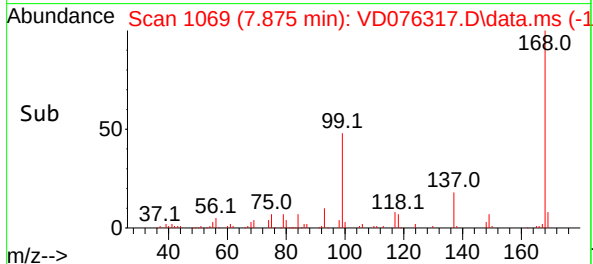
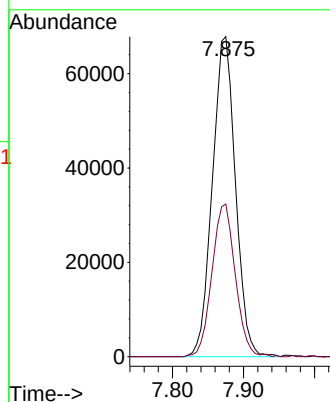
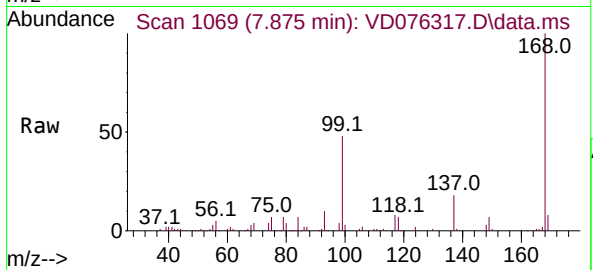




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

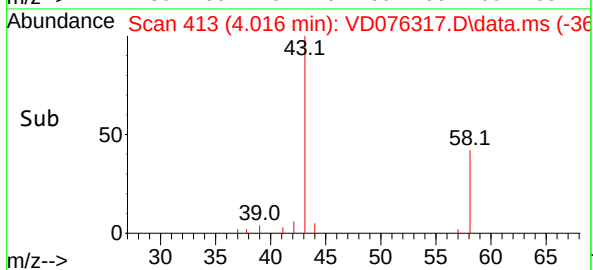
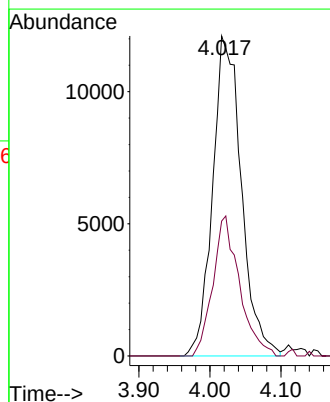
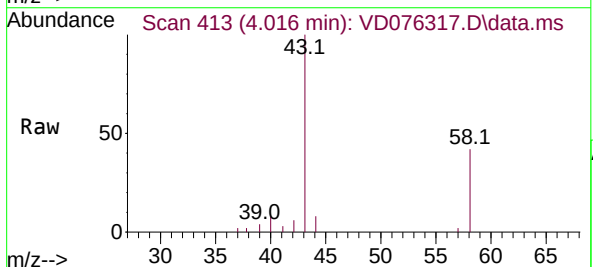
Instrument :
MSVOA_D
ClientSampleId :
TP-13-0A

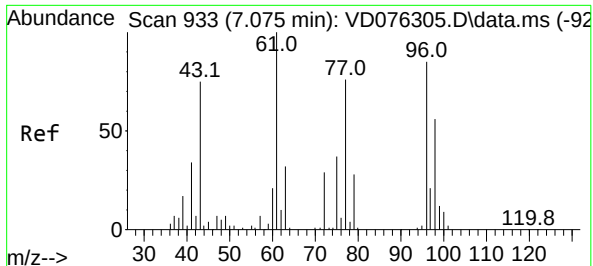
Tgt Ion:168 Resp: 153059
Ion Ratio Lower Upper
168 100
99 47.7 36.7 55.1



#16
Acetone
Concen: 139.420 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

Tgt Ion: 43 Resp: 33945
Ion Ratio Lower Upper
43 100
58 42.2 34.7 52.1

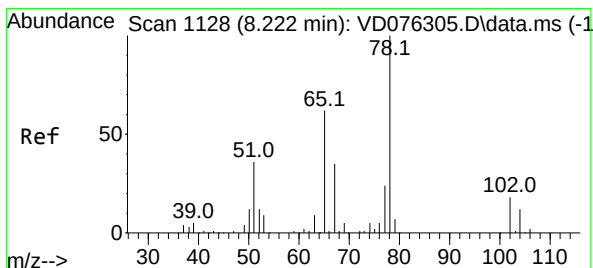
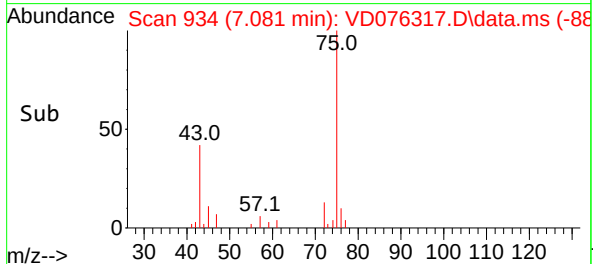
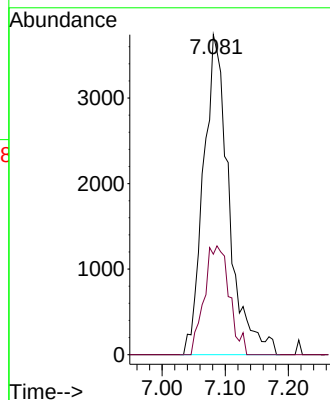
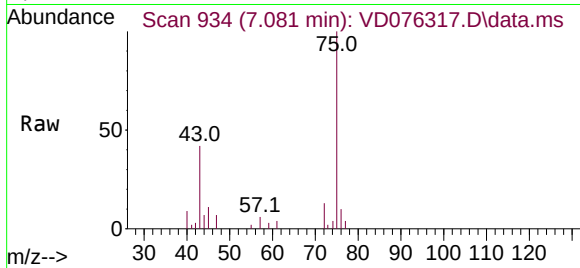




#25
2-Butanone
Concen: 27.059 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

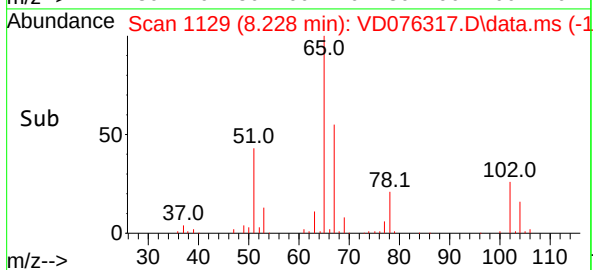
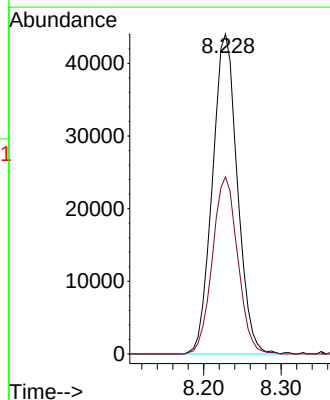
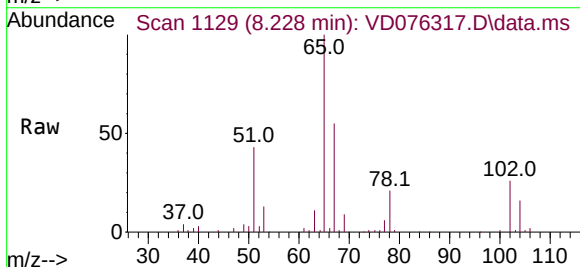
Instrument :
MSVOA_D
ClientSampleId :
TP-13-0A

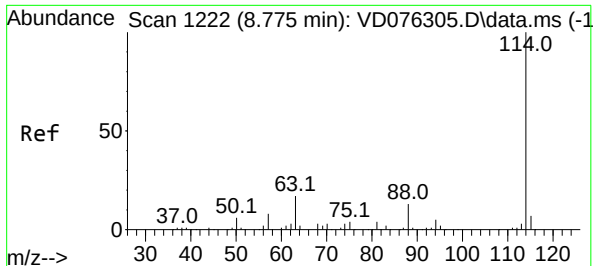
Tgt Ion: 43 Resp: 10532
Ion Ratio Lower Upper
43 100
72 31.4 30.7 46.1



#33
1,2-Dichloroethane-d4
Concen: 65.957 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

Tgt Ion: 65 Resp: 98385
Ion Ratio Lower Upper
65 100
67 56.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076317.D

Acq: 02 Jun 2023 17:01

Instrument :

MSVOA_D

ClientSampleId :

TP-13-0A

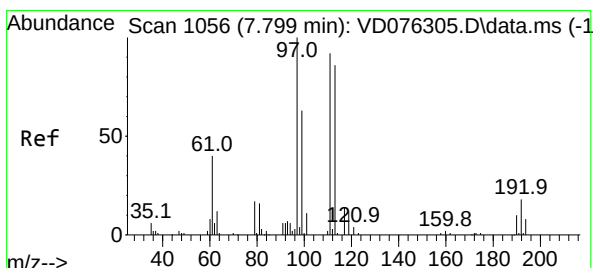
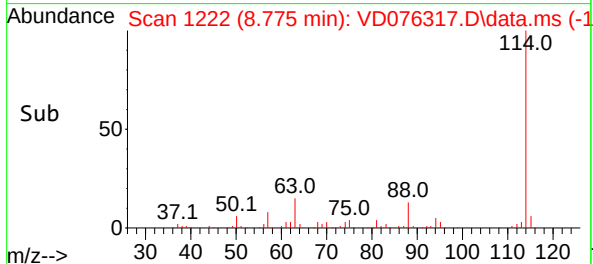
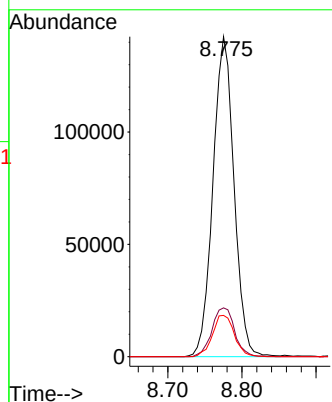
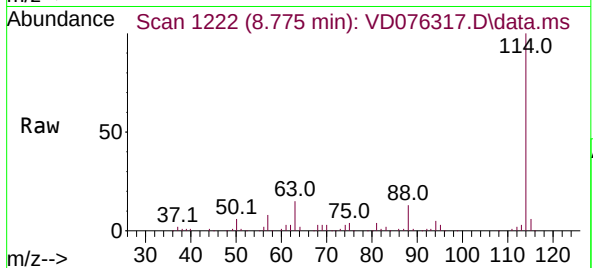
Tgt Ion:114 Resp: 281041

Ion Ratio Lower Upper

114 100

63 15.3 0.0 33.4

88 12.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 61.173 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VD076317.D

Acq: 02 Jun 2023 17:01

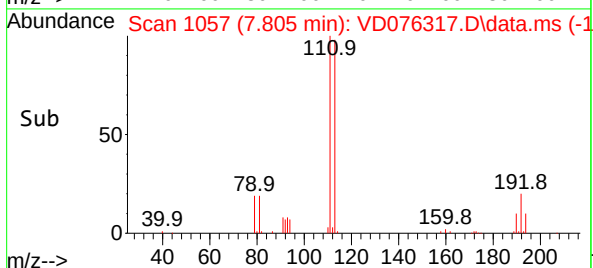
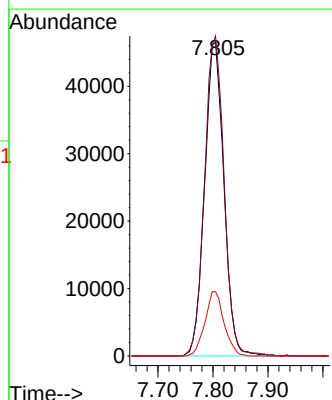
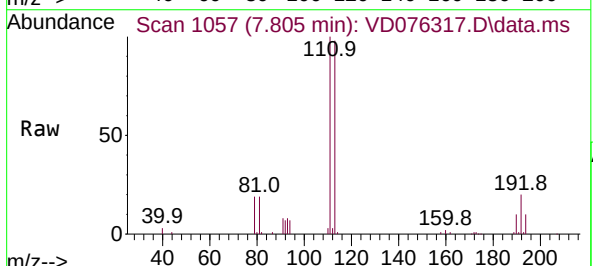
Tgt Ion:113 Resp: 113488

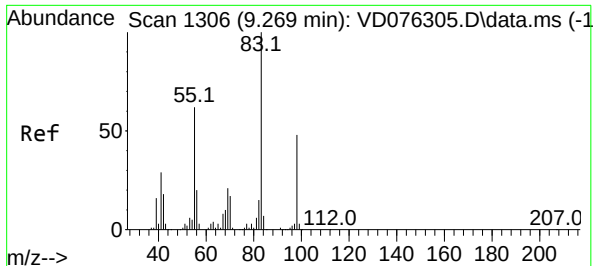
Ion Ratio Lower Upper

113 100

111 102.8 84.7 127.1

192 20.3 16.8 25.2





#39

Methylcyclohexane

Concen: 9.159 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. -0.000 min

Lab File: VD076317.D

Acq: 02 Jun 2023 17:01

Instrument :

MSVOA_D

ClientSampleId :

TP-13-0A

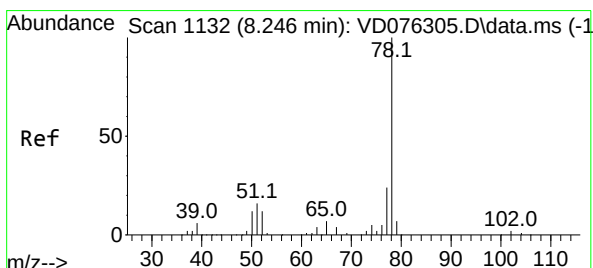
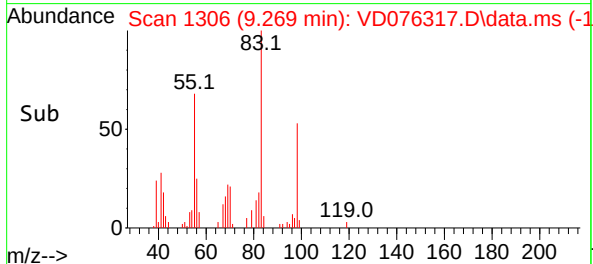
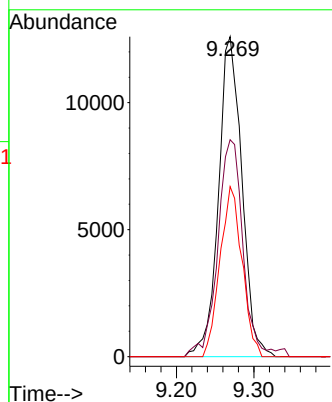
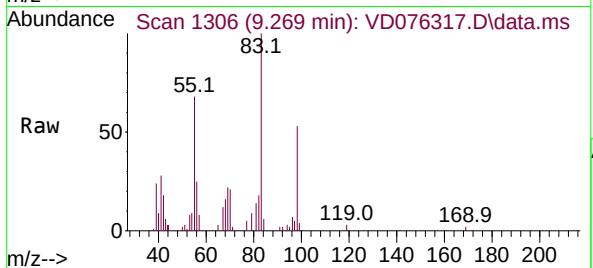
Tgt Ion: 83 Resp: 26475

Ion Ratio Lower Upper

83 100

55 67.8 49.4 74.0

98 53.1 38.4 57.6



#40

Benzene

Concen: 5.610 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VD076317.D

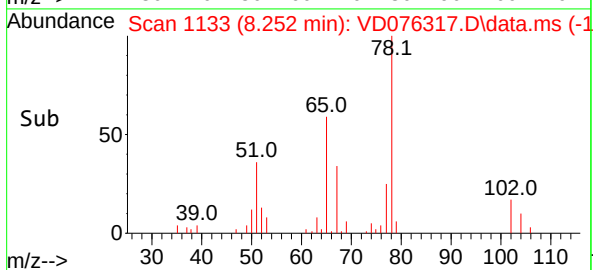
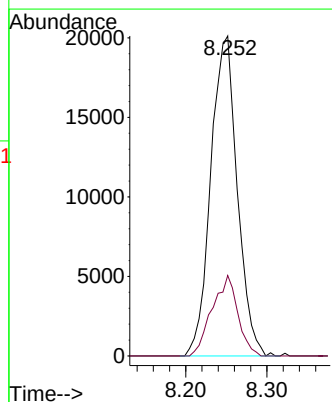
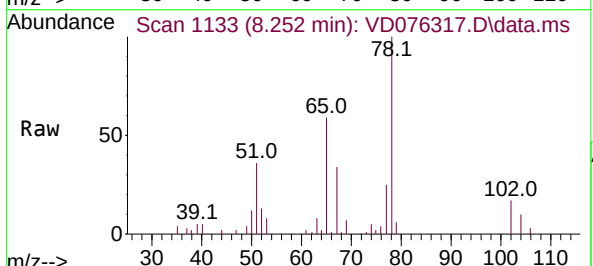
Acq: 02 Jun 2023 17:01

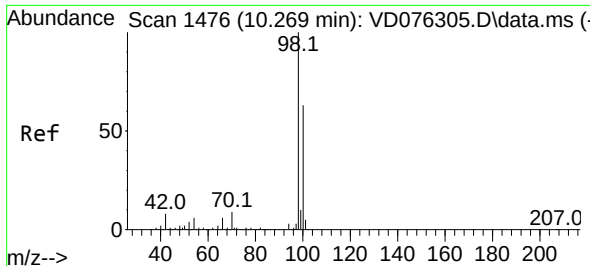
Tgt Ion: 78 Resp: 45681

Ion Ratio Lower Upper

78 100

77 25.2 19.4 29.0

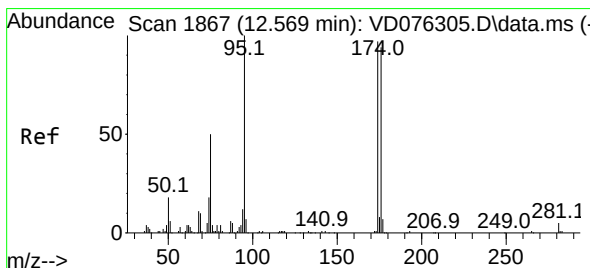
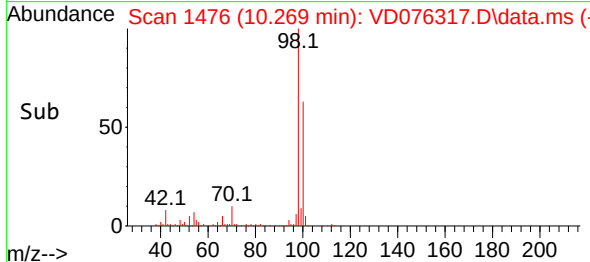
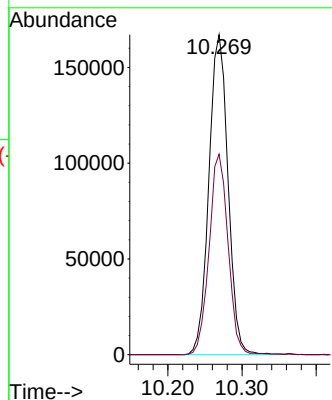
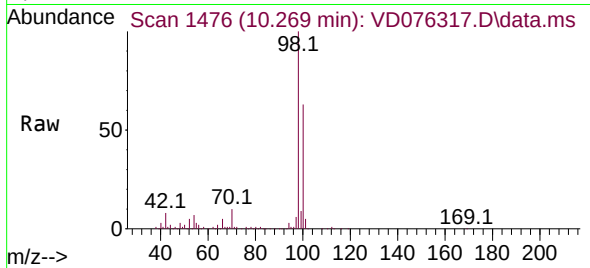




#50
Toluene-d8
Concen: 41.933 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

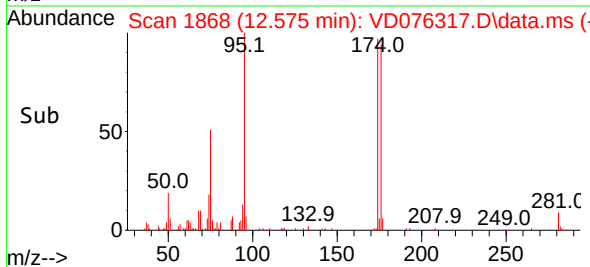
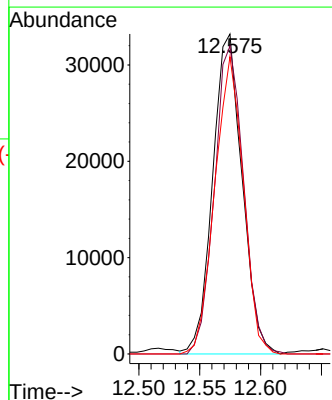
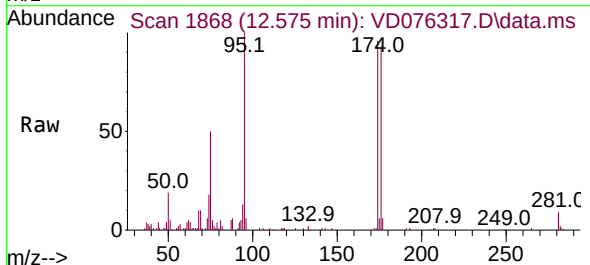
Instrument :
MSVOA_D
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TP-13-0A

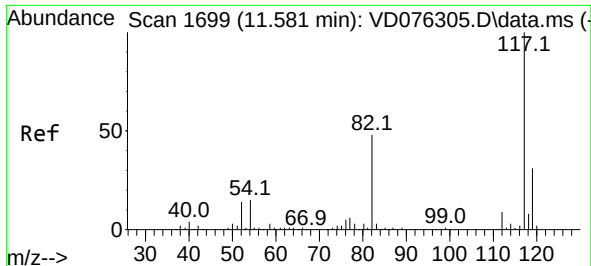
Tgt Ion: 98 Resp: 299943
Ion Ratio Lower Upper
98 100
100 62.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 27.985 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

Tgt Ion: 95 Resp: 55832
Ion Ratio Lower Upper
95 100
174 95.0 0.0 201.8
176 90.1 0.0 191.8

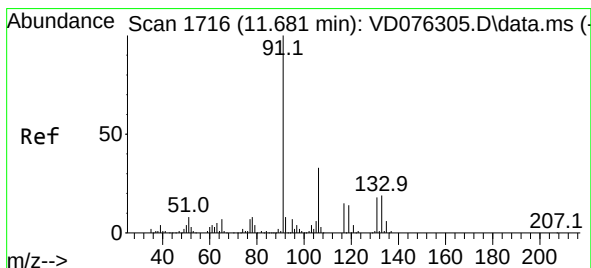
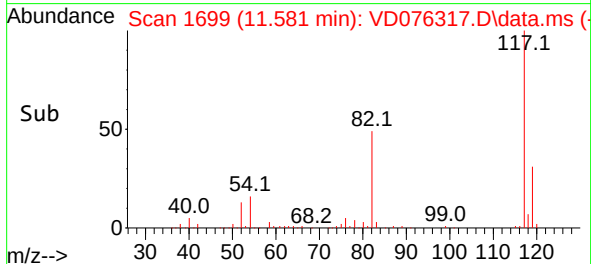
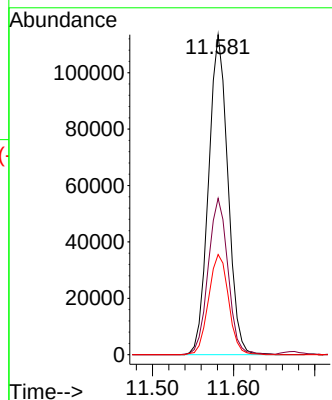
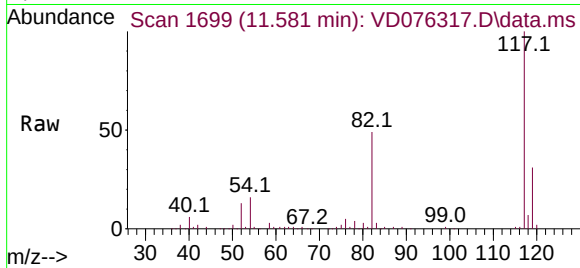




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

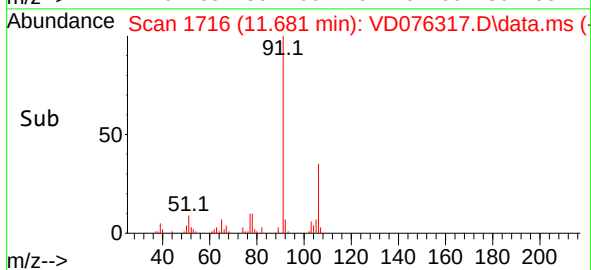
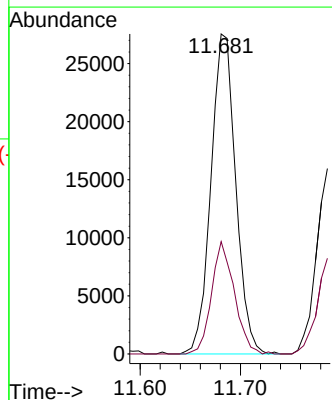
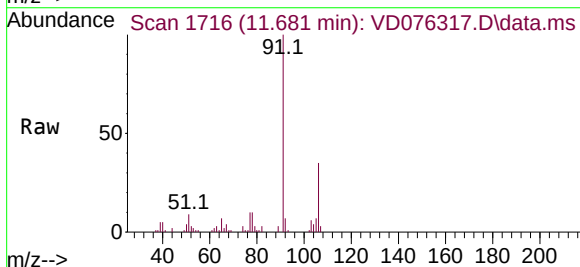
Instrument :
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ClientSampleId :
TP-13-0A

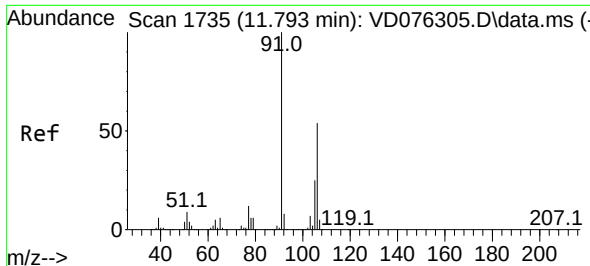
Tgt Ion:117 Resp: 187803
Ion Ratio Lower Upper
117 100
82 48.8 38.3 57.5
119 31.3 25.0 37.4



#67
Ethyl Benzene
Concen: 7.336 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

Tgt Ion: 91 Resp: 47322
Ion Ratio Lower Upper
91 100
106 35.1 26.5 39.7

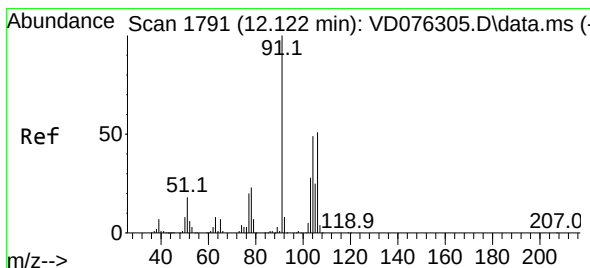
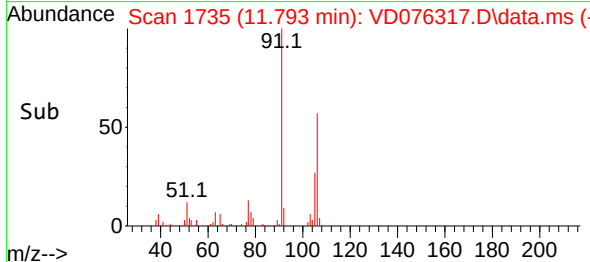
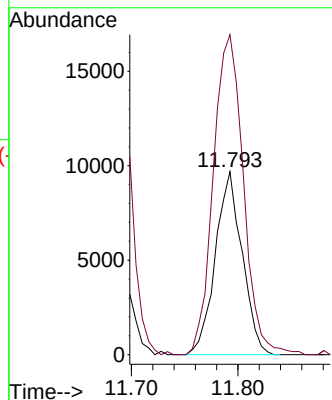
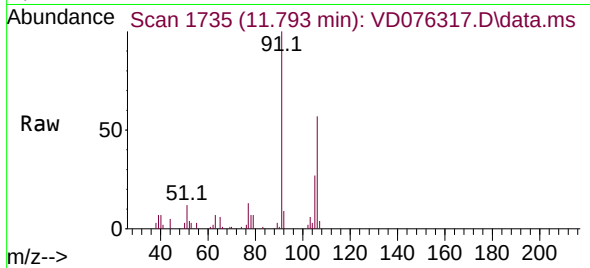




#68
m/p-Xylenes
Concen: 6.349 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

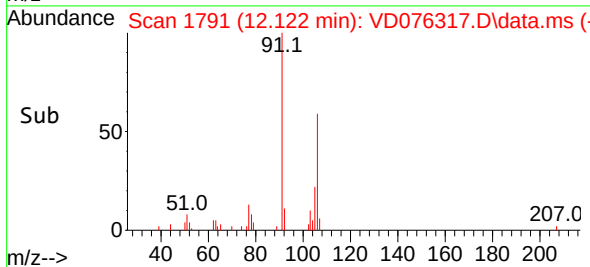
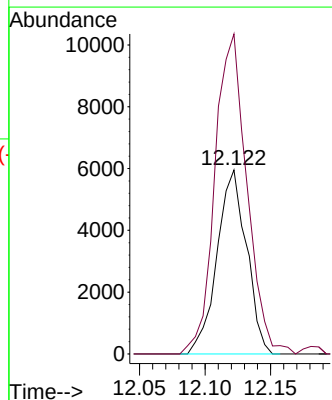
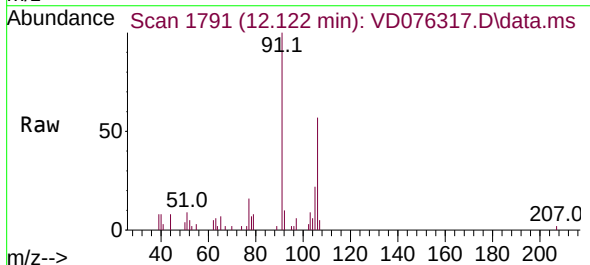
Instrument :
MSVOA_D
ClientSampleId :
TP-13-0A

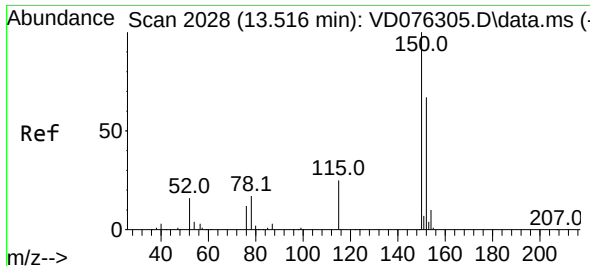
Tgt Ion:106 Resp: 16941
Ion Ratio Lower Upper
106 100
91 196.2 147.0 220.6



#69
o-Xylene
Concen: 3.804 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

Tgt Ion:106 Resp: 9314
Ion Ratio Lower Upper
106 100
91 188.4 97.9 293.6

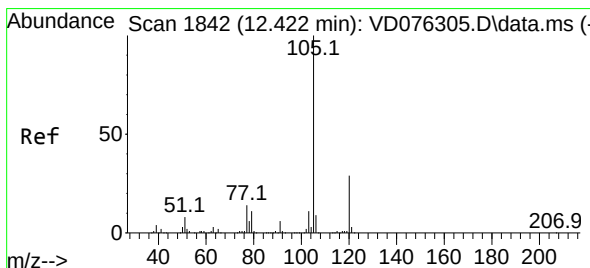
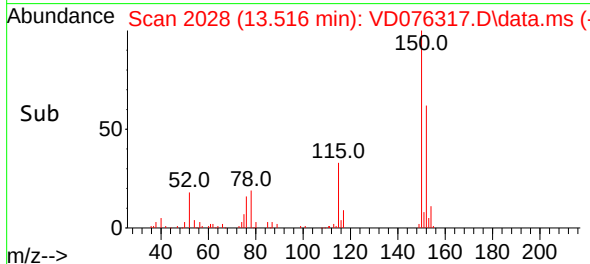
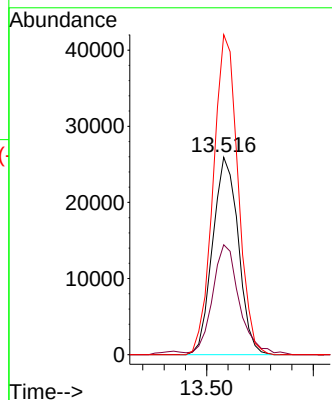
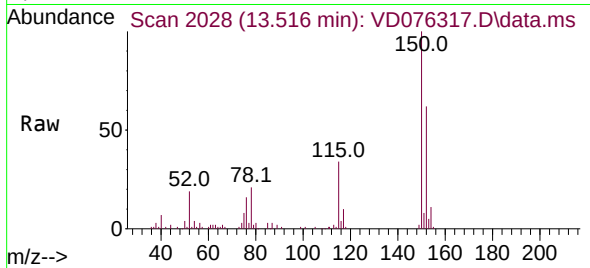




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

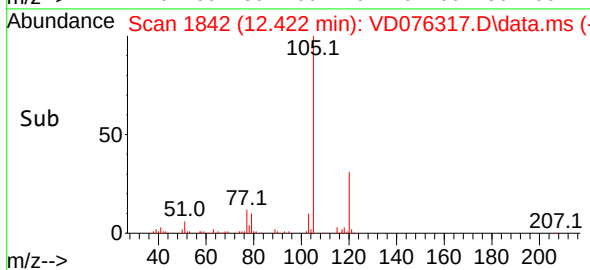
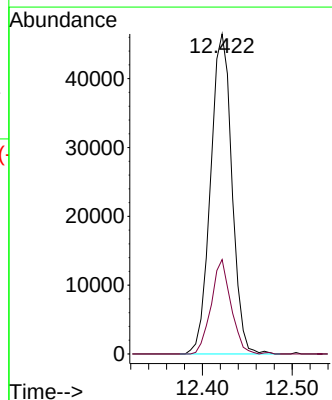
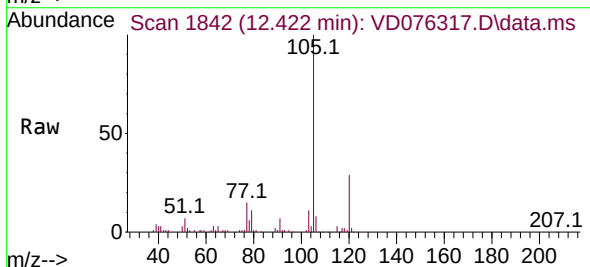
Instrument :
MSVOA_D
ClientSampleId :
TP-13-0A

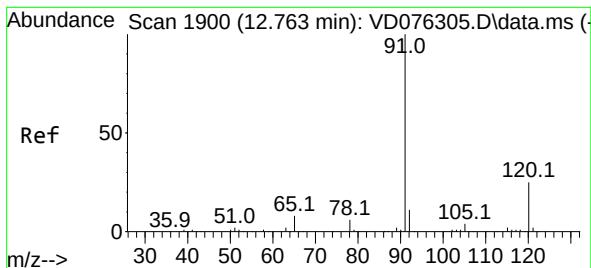
Tgt Ion:152 Resp: 43350
Ion Ratio Lower Upper
152 100
115 58.4 27.1 81.3
150 156.5 0.0 353.6



#73
Isopropylbenzene
Concen: 29.045 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

Tgt Ion:105 Resp: 76691
Ion Ratio Lower Upper
105 100
120 27.3 14.3 42.9





#78

n-propylbenzene

Concen: 29.137 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. -0.000 min

Lab File: VD076317.D

Acq: 02 Jun 2023 17:01

Instrument :

MSVOA_D

ClientSampleId :

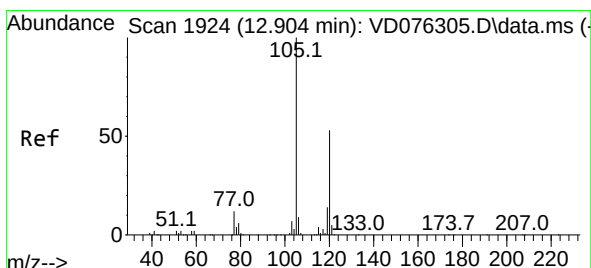
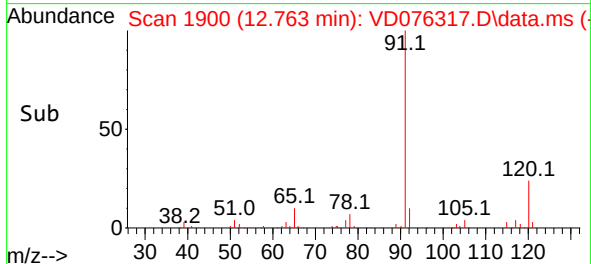
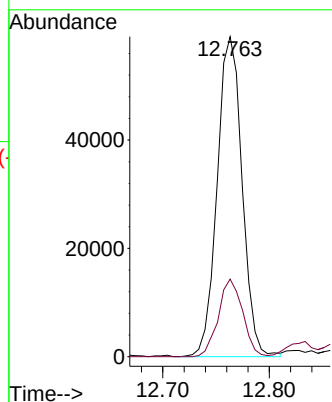
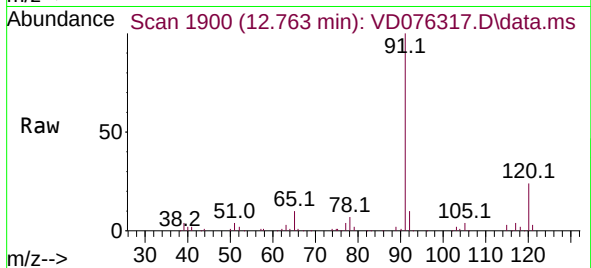
TP-13-0A

Tgt Ion: 91 Resp: 96041

Ion Ratio Lower Upper

91 100

120 23.6 12.4 37.2



#80

1,3,5-Trimethylbenzene

Concen: 4.559 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD076317.D

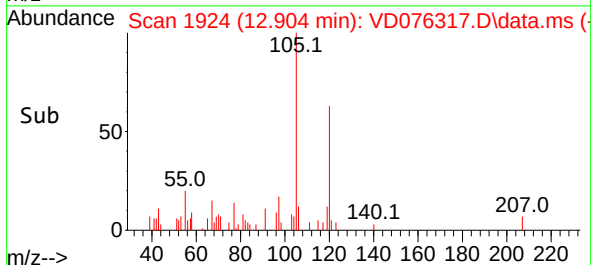
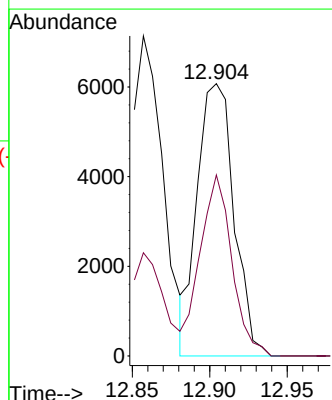
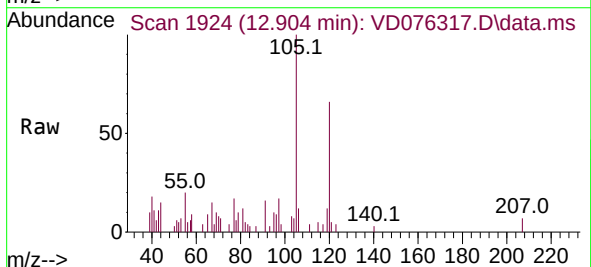
Acq: 02 Jun 2023 17:01

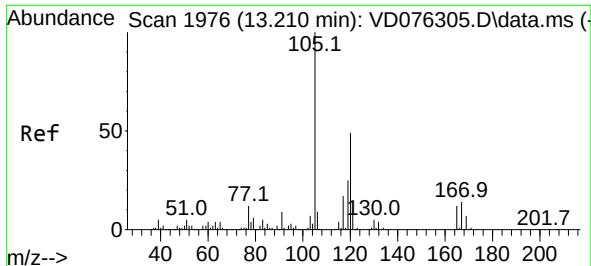
Tgt Ion: 105 Resp: 10020

Ion Ratio Lower Upper

105 100

120 57.6 26.4 79.2

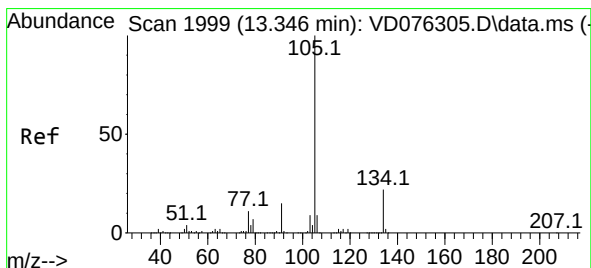
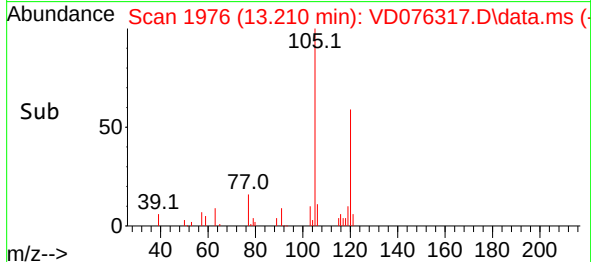
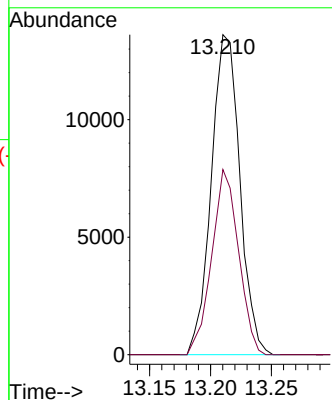
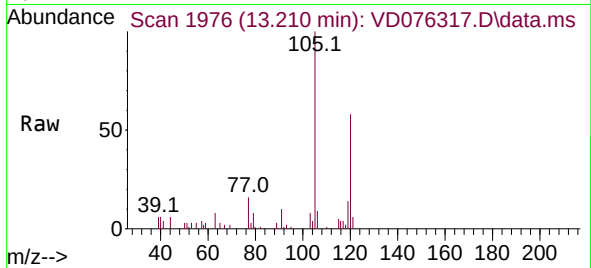




#84
1,2,4-Trimethylbenzene
Concen: 9.905 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

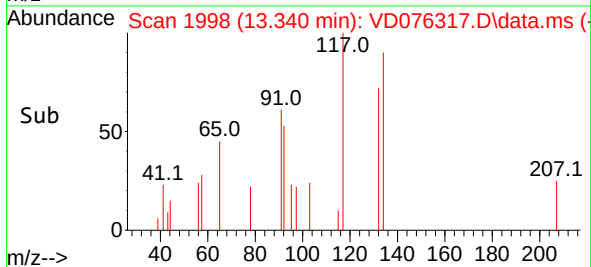
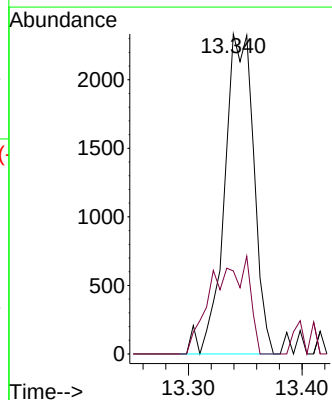
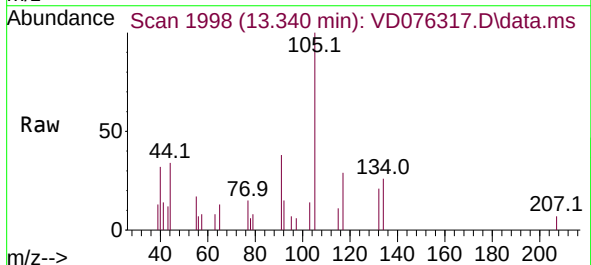
Instrument :
MSVOA_D
ClientSampleId :
TP-13-0A

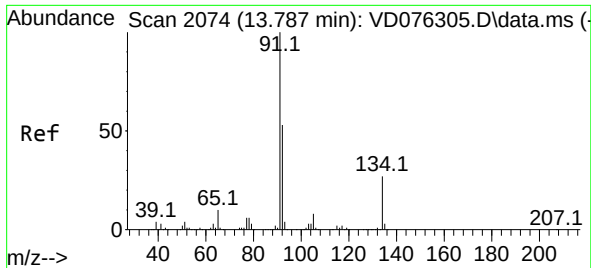
Tgt Ion:105 Resp: 22219
Ion Ratio Lower Upper
105 100
120 54.4 24.3 72.9



#85
sec-Butylbenzene
Concen: 1.476 ug/l
RT: 13.340 min Scan# 1998
Delta R.T. -0.006 min
Lab File: VD076317.D
Acq: 02 Jun 2023 17:01

Tgt Ion:105 Resp: 4189
Ion Ratio Lower Upper
105 100
134 38.2 10.9 32.9#





#89

n-Butylbenzene

Concen: 2.357 ug/l

RT: 13.781 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD076317.D

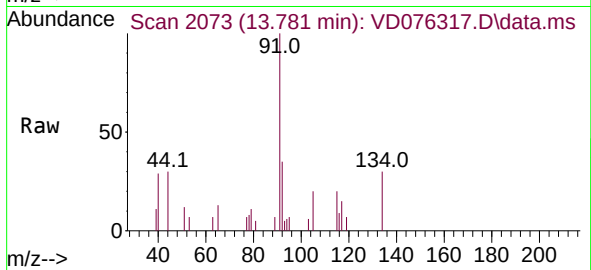
Acq: 02 Jun 2023 17:01

Instrument :

MSVOA_D

ClientSampleId :

TP-13-0A



Tgt Ion:	91	Resp:	5138
Ion	Ratio	Lower	Upper
91	100		
92	46.4	26.5	79.5
134	0.0	13.8	41.3#

