

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
 Data File : VN078384.D
 Acq On : 23 Jun 2023 17:39
 Operator : JC\MD
 Sample : 03395-02DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(JUNE)DL

Quant Time: Jun 24 01:24:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 24 00:59:50 2023
 Response via : Initial Calibration

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

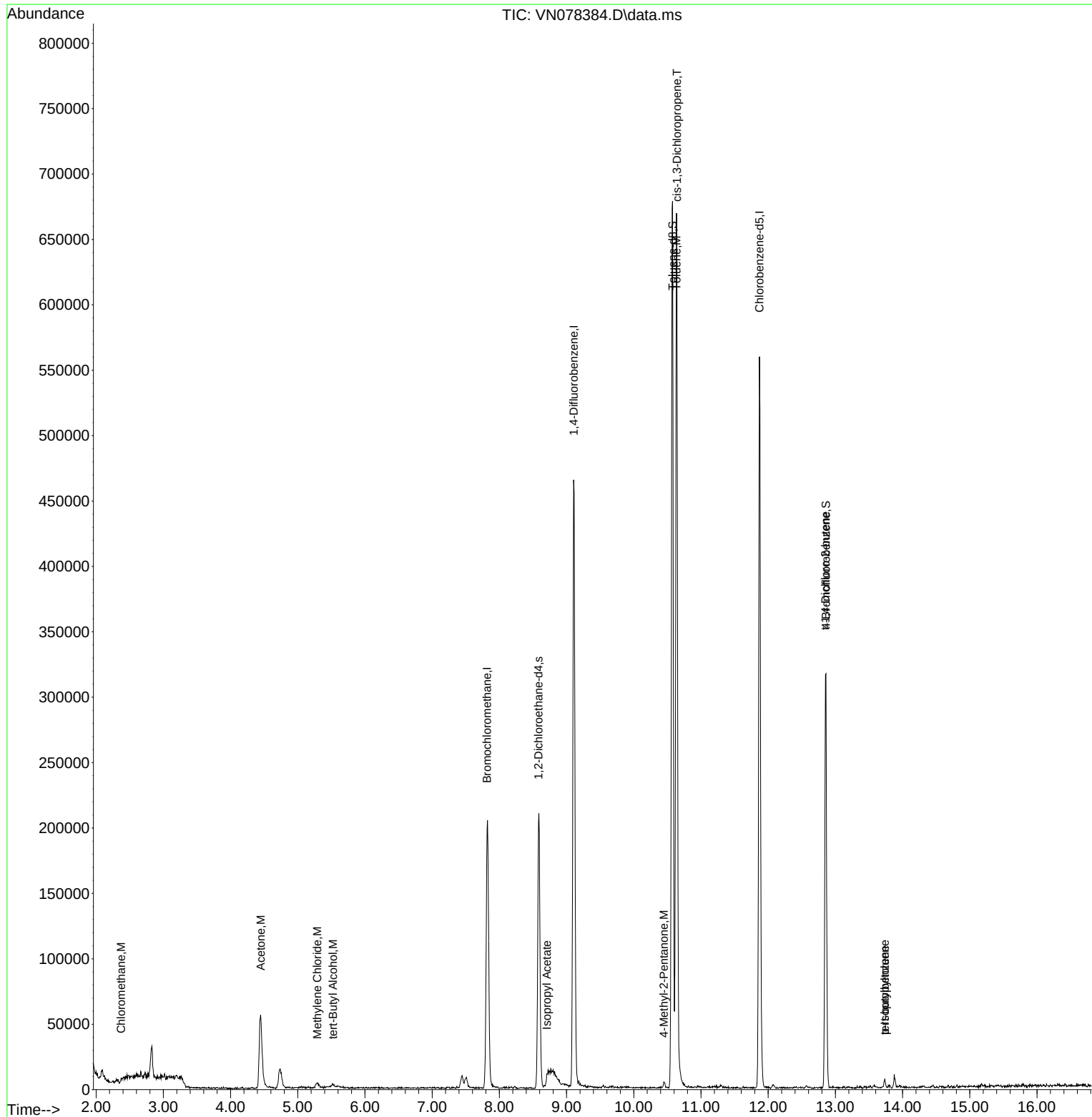
Internal Standards						
1) Bromochloromethane	7.818	128	74280	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	421377	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	343376	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	174767	31.244	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.133%
60) 4-Bromofluorobenzene	12.859	95	118804	24.558	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.867%
63) Toluene-d8	10.576	98	500624	30.090	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1247	0.230	ug/l #	44
15) Acetone	4.447	58	35254	70.263	ug/l	100
18) Methylene Chloride	5.289	84	1741	0.351	ug/l #	39
23) tert-Butyl Alcohol	5.524	59	616	0.937	ug/l #	100
44) Isopropyl Acetate	8.706	43	3844	0.441	ug/l #	46
49) cis-1,3-Dichloropropene	10.641	75	3736	0.483	ug/l #	1
58) 4-Methyl-2-Pentanone	10.447	43	2064	0.450	ug/l	91
62) Toluene	10.635	91	541178	27.080	ug/l	97
77) t-1,4-Dichloro-2-butene	12.853	75	60907	37.945	ug/l #	15
79) tert-butylbenzene	13.735	119	3699	0.296	ug/l	71
82) p-Isopropyltoluene	13.735	119	3699	0.295	ug/l	82

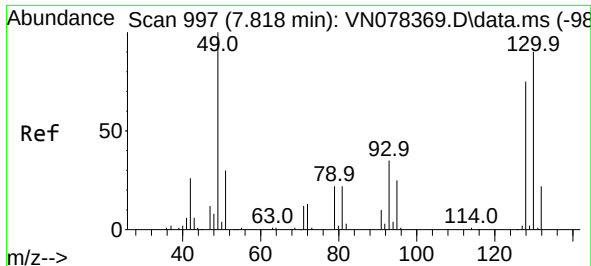
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 24 01:24:33 2023
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 24 00:59:50 2023
Response via : Initial Calibration

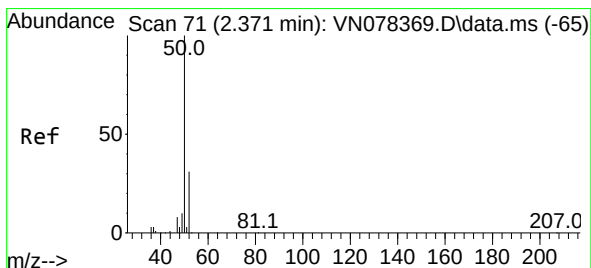
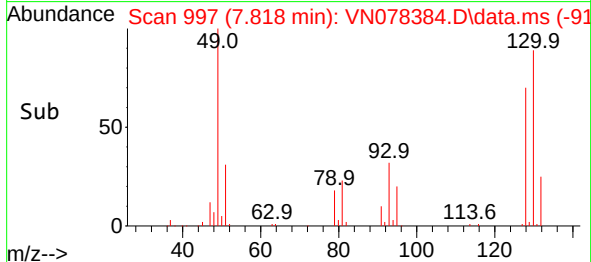
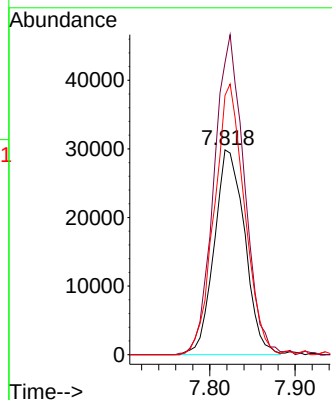
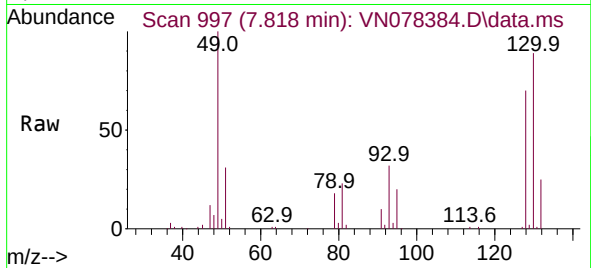




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN078384.D
Acq: 23 Jun 2023 17:39

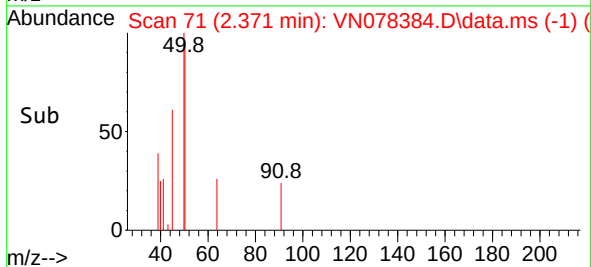
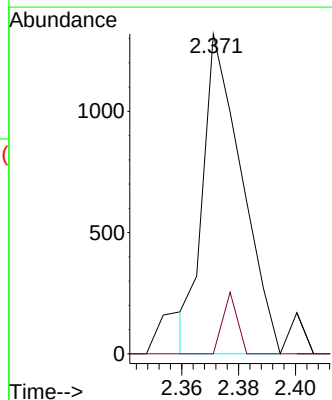
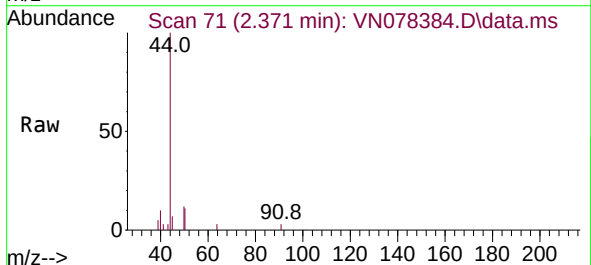
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

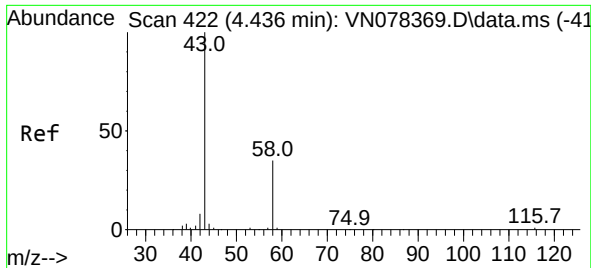
Tgt Ion:128 Resp: 74280
Ion Ratio Lower Upper
128 100
49 154.6 0.0 370.8
130 130.8 0.0 307.0



#3
Chloromethane
Concen: 0.230 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078384.D
Acq: 23 Jun 2023 17:39

Tgt Ion: 50 Resp: 1247
Ion Ratio Lower Upper
50 100
52 0.0 24.6 36.8#





#15

Acetone

Concen: 70.263 ug/l

RT: 4.447 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN078384.D

Acq: 23 Jun 2023 17:39

Instrument :

MSVOA_N

ClientSampleId :

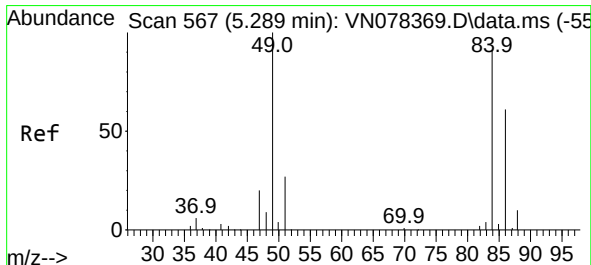
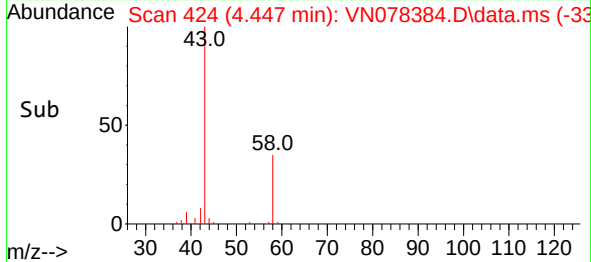
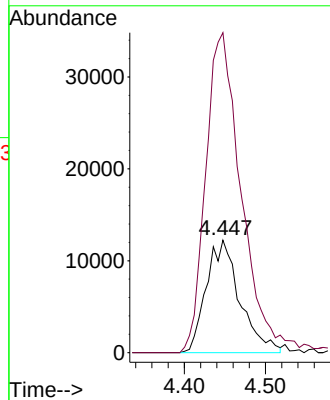
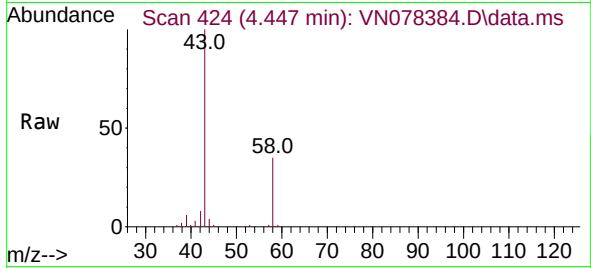
002-35TH-AVE(JUNE)DL

Tgt Ion: 58 Resp: 35254

Ion Ratio Lower Upper

58 100

43 284.4 227.5 341.3



#18

Methylene Chloride

Concen: 0.351 ug/l

RT: 5.289 min Scan# 567

Delta R.T. 0.000 min

Lab File: VN078384.D

Acq: 23 Jun 2023 17:39

Tgt Ion: 84 Resp: 1741

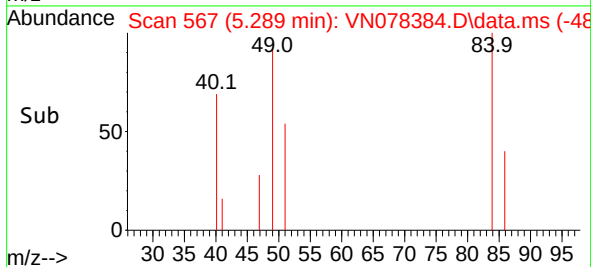
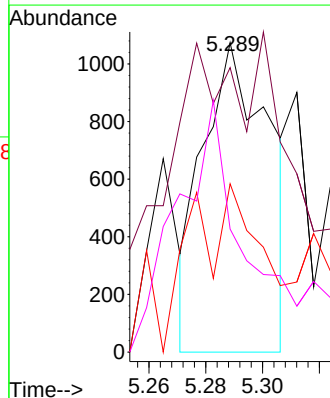
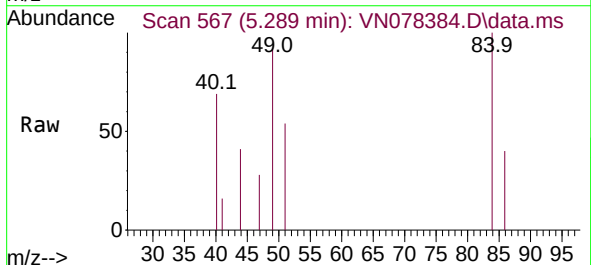
Ion Ratio Lower Upper

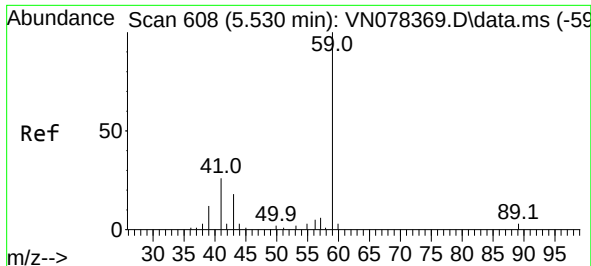
84 100

49 35.1 88.1 132.1#

51 48.1 24.0 36.0#

86 22.1 53.8 80.8#

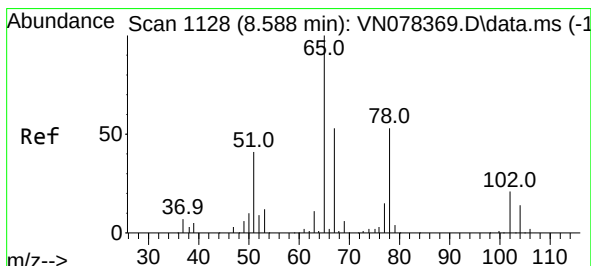
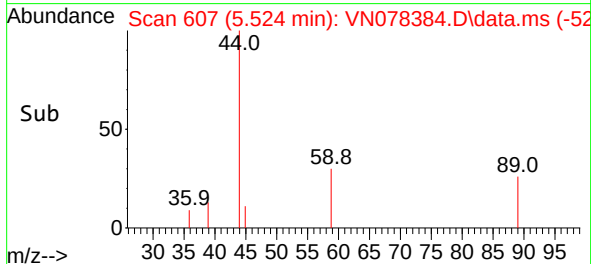
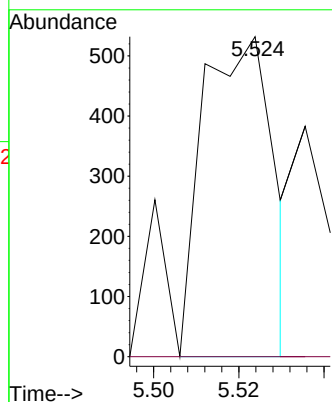
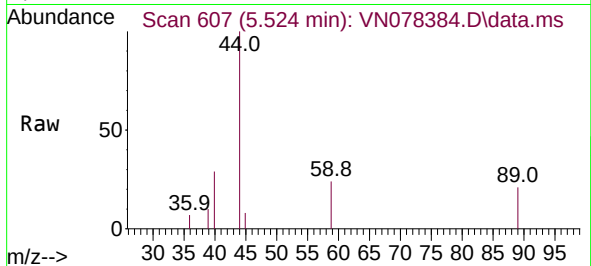




#23
tert-Butyl Alcohol
Concen: 0.937 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN078384.D
Acq: 23 Jun 2023 17:39

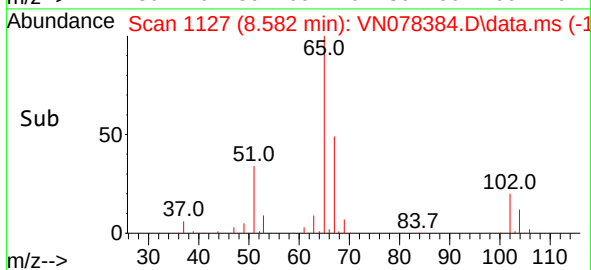
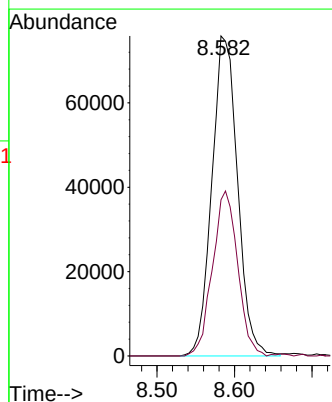
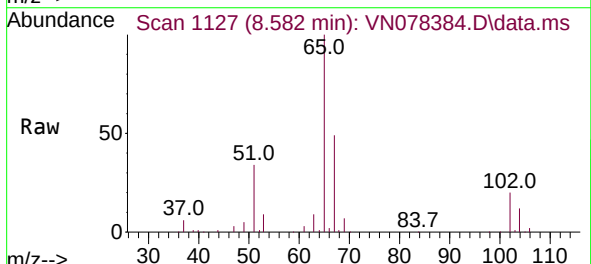
Instrument :
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002-35TH-AVE(JUNE)DL

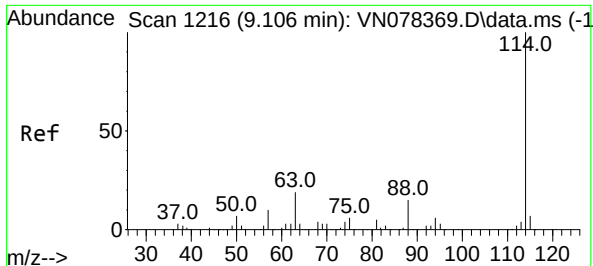
Tgt Ion: 59 Resp: 616
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 31.244 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN078384.D
Acq: 23 Jun 2023 17:39

Tgt Ion: 65 Resp: 174767
Ion Ratio Lower Upper
65 100
67 50.5 42.9 64.3

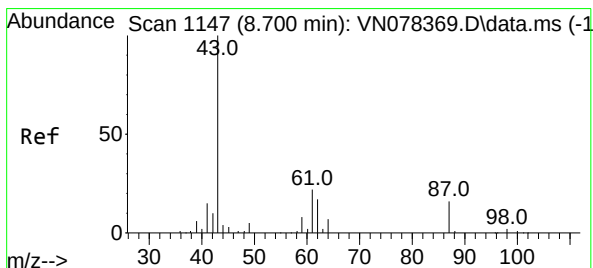
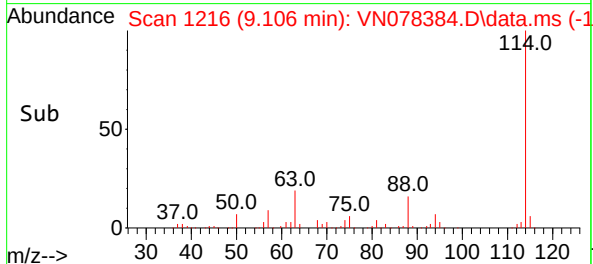
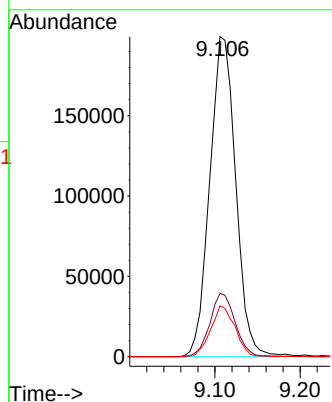
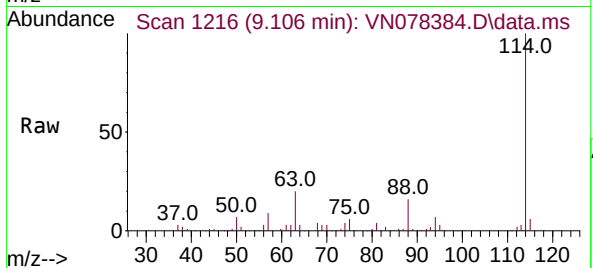




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1147
Delta R.T. 0.000 min
Lab File: VN078384.D
Acq: 23 Jun 2023 17:39

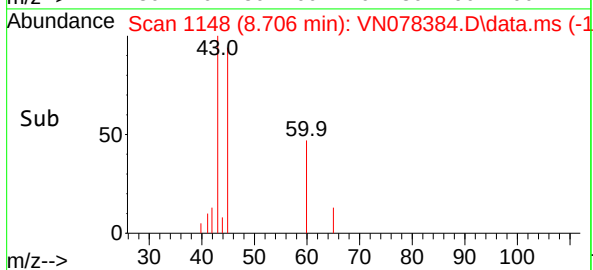
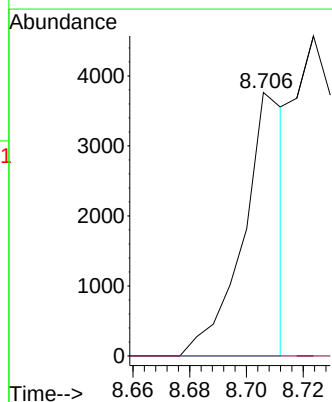
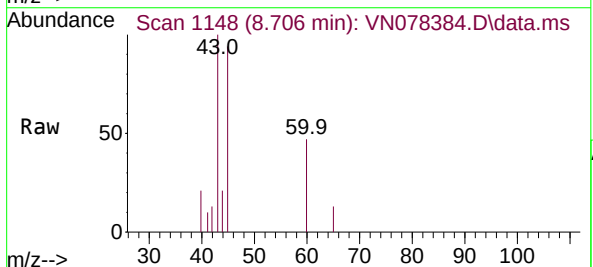
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

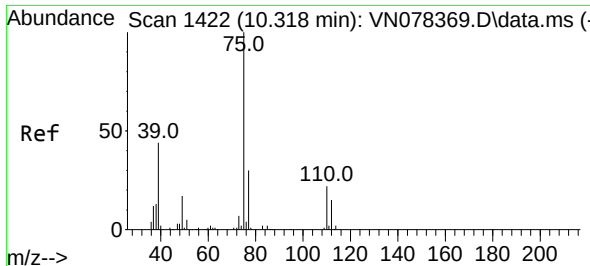
Tgt Ion:114 Resp: 421377
Ion Ratio Lower Upper
114 100
63 19.2 15.2 22.8
88 14.9 12.5 18.7



#44
Isopropyl Acetate
Concen: 0.441 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.006 min
Lab File: VN078384.D
Acq: 23 Jun 2023 17:39

Tgt Ion: 43 Resp: 3844
Ion Ratio Lower Upper
43 100
61 0.0 23.0 34.6#

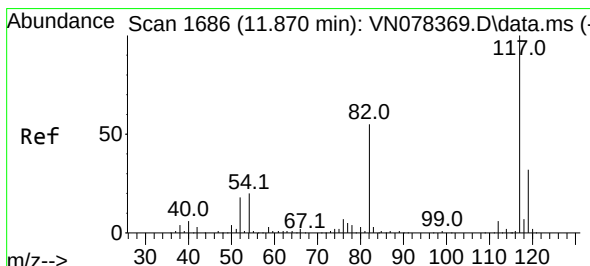
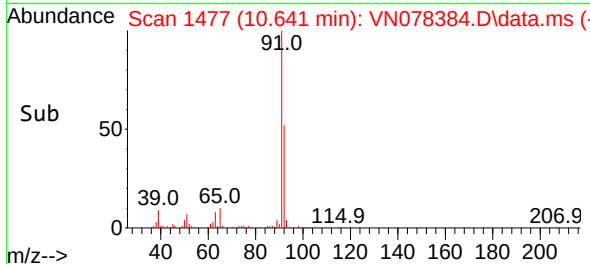
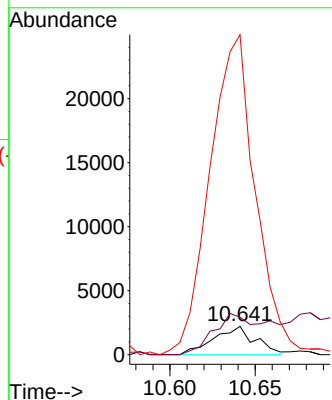
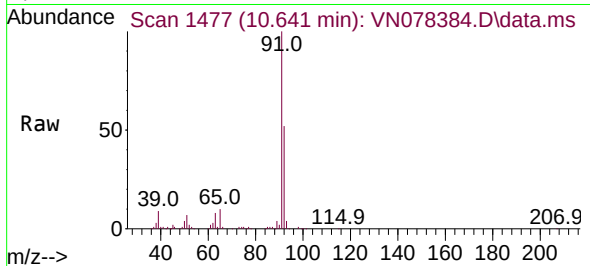




#49
cis-1,3-Dichloropropene
Concen: 0.483 ug/l
RT: 10.641 min Scan# 1422
Delta R.T. 0.324 min
Lab File: VN078384.D
Acq: 23 Jun 2023 17:39

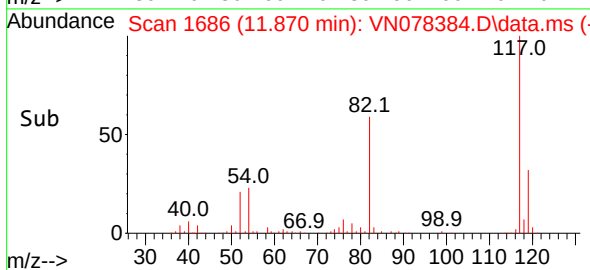
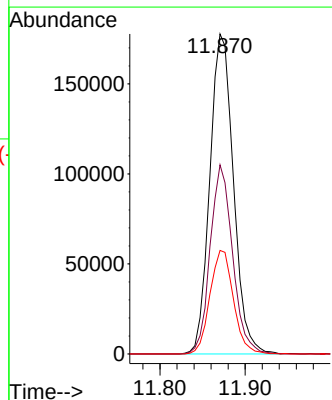
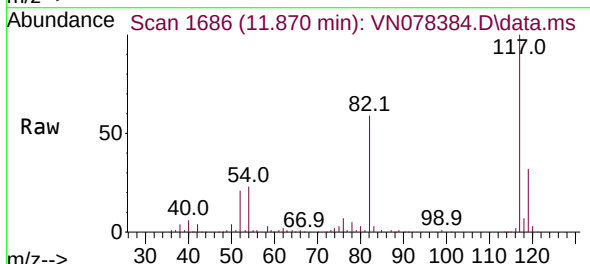
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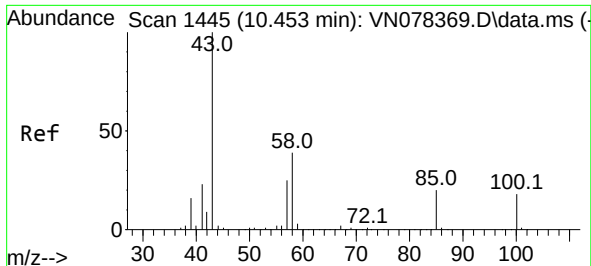
Tgt Ion: 75 Resp: 3736
Ion Ratio Lower Upper
75 100
77 132.1 24.0 36.0#
39 1085.1 35.1 52.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078384.D
Acq: 23 Jun 2023 17:39

Tgt Ion: 117 Resp: 343376
Ion Ratio Lower Upper
117 100
82 56.1 43.9 65.9
119 32.1 26.2 39.4

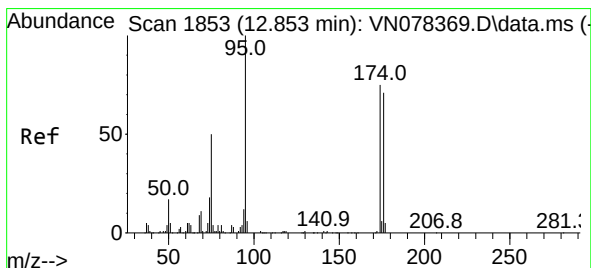
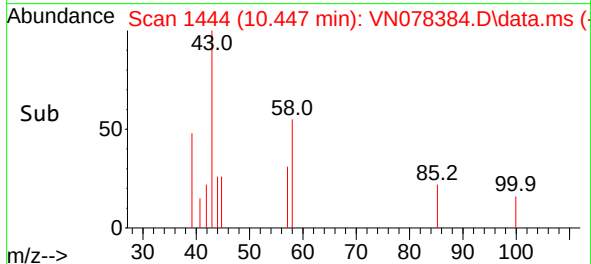
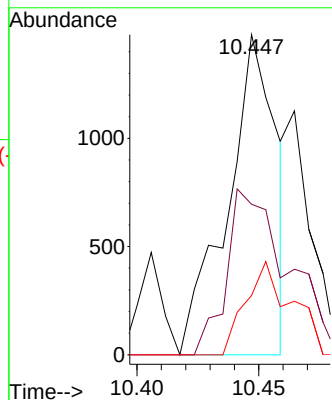
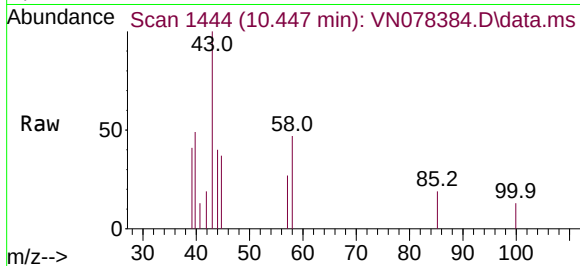




#58
4-Methyl-2-Pentanone
Concen: 0.450 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078384.D
Acq: 23 Jun 2023 17:39

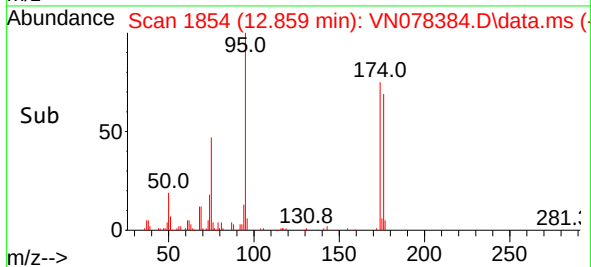
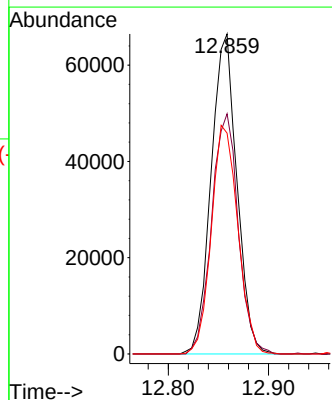
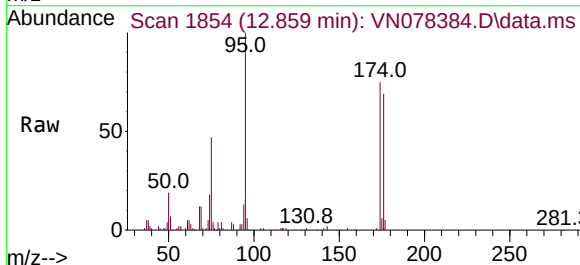
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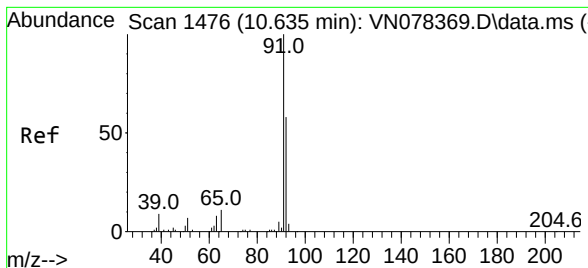
Tgt Ion:	43	Resp:	2064
Ion	Ratio	Lower	Upper
43	100		
58	48.6	32.6	48.8
85	19.2	16.2	24.2



#60
4-Bromofluorobenzene
Concen: 24.558 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078384.D
Acq: 23 Jun 2023 17:39

Tgt Ion:	95	Resp:	118804
Ion	Ratio	Lower	Upper
95	100		
174	77.3	61.7	92.5
176	73.5	58.1	87.1





#62

Toluene

Concen: 27.080 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078384.D

Acq: 23 Jun 2023 17:39

Instrument :

MSVOA_N

ClientSampleId :

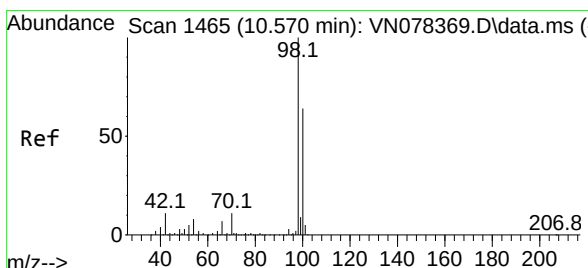
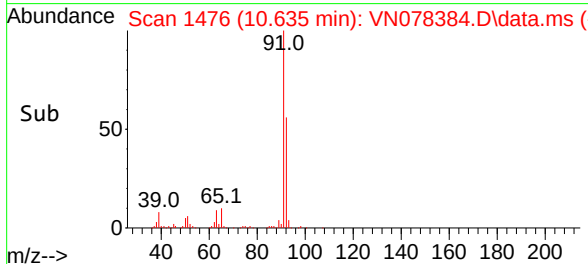
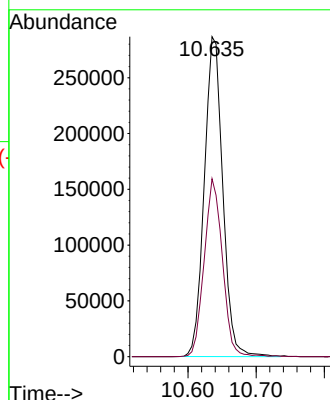
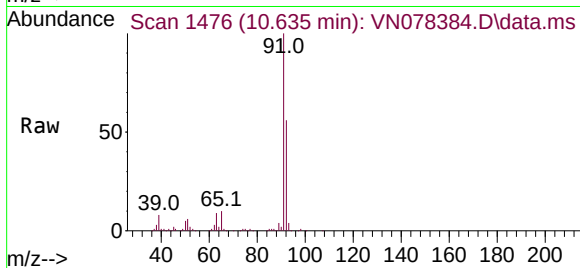
002-35TH-AVE(JUNE)DL

Tgt Ion: 91 Resp: 541178

Ion Ratio Lower Upper

91 100

92 54.6 45.2 67.8



#63

Toluene-d8

Concen: 30.090 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078384.D

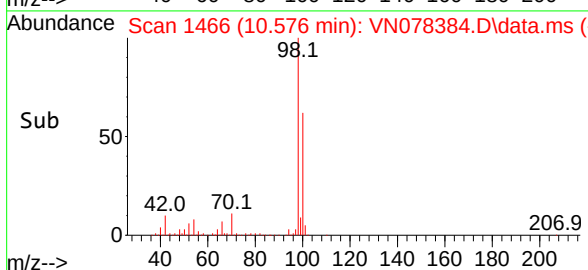
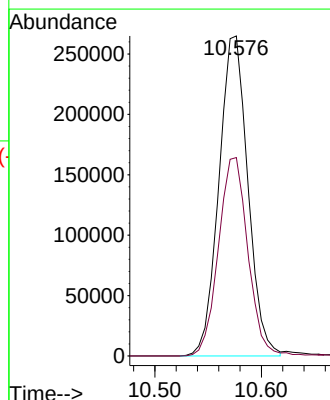
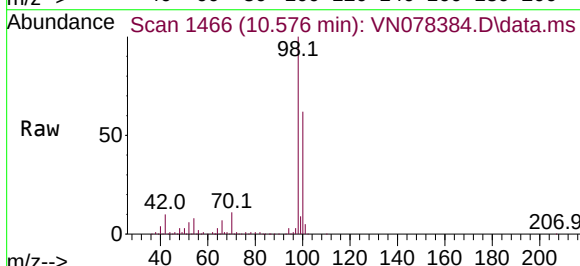
Acq: 23 Jun 2023 17:39

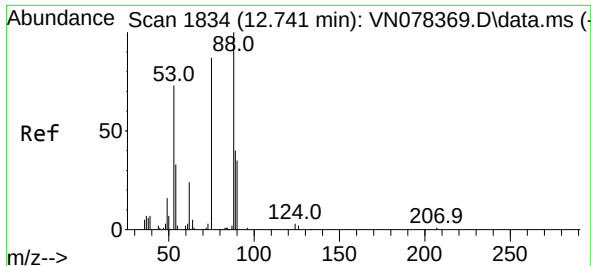
Tgt Ion: 98 Resp: 500624

Ion Ratio Lower Upper

98 100

100 63.0 49.7 74.5

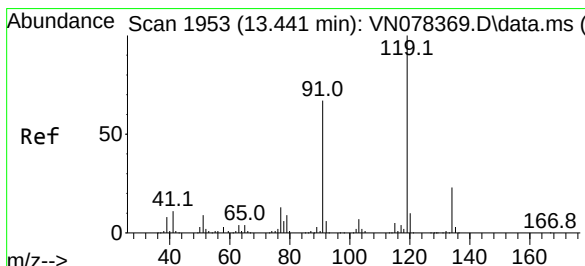
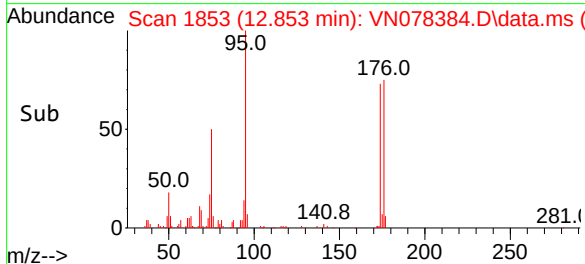
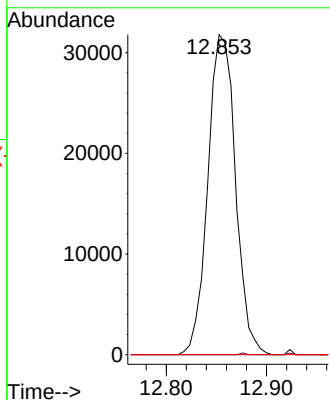
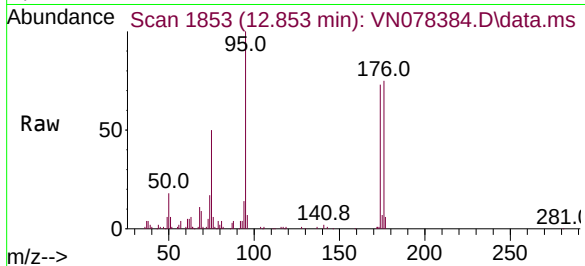




#77
t-1,4-Dichloro-2-butene
Concen: 37.945 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078384.D
Acq: 23 Jun 2023 17:39

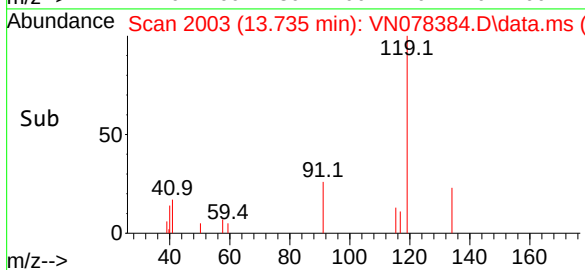
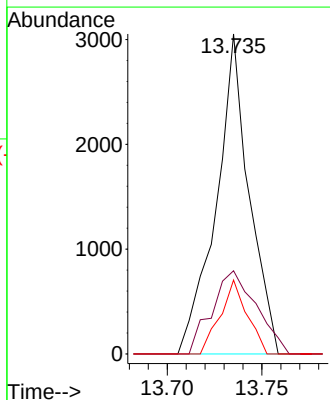
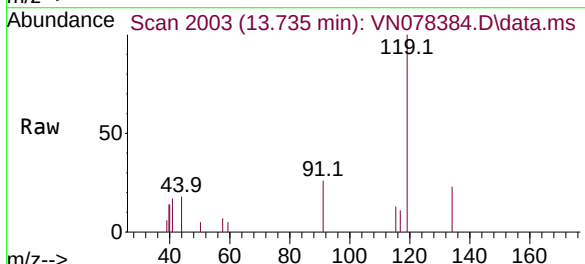
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

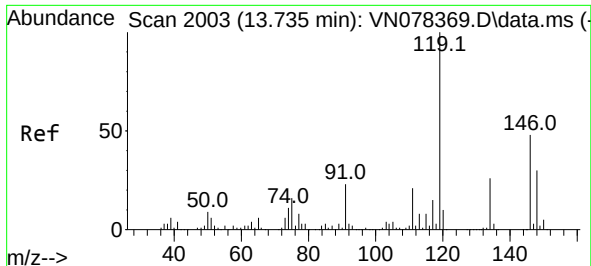
Tgt Ion: 75 Resp: 60907
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.9#
89 0.0 25.1 75.4#



#79
tert-butylbenzene
Concen: 0.296 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.294 min
Lab File: VN078384.D
Acq: 23 Jun 2023 17:39

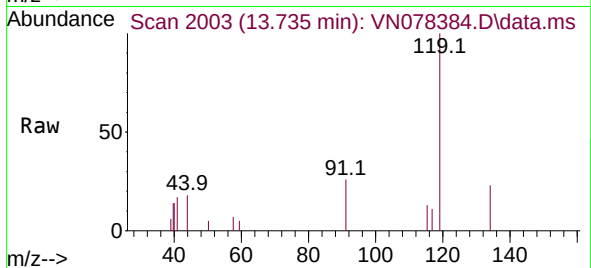
Tgt Ion: 119 Resp: 3699
Ion Ratio Lower Upper
119 100
91 35.0 0.0 126.6
134 18.8 0.0 44.0





#82
 p-Isopropyltoluene
 Concen: 0.295 ug/l
 RT: 13.735 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN078384.D
 Acq: 23 Jun 2023 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(JUNE)DL



Tgt Ion:	119	Resp:	3699
Ion	Ratio	Lower	Upper
119	100		
134	18.8	0.0	52.4
91	35.0	0.0	48.2

