

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062075.D
 Acq On : 24 Jun 2020 20:13
 Operator : JC/MD
 Sample : L3063-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-13

Manual Integrations
 APPROVED

MMDadoda
 6/25/2020 6:10:36 PM

Quant Time: Jun 25 05:23:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	238560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	448770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	434331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184917	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	162645	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.55	113	137337	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
50) Toluene-d8	10.06	98	572122	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.38	95	203331	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.73	59	6373	13.259	ug/l #	72
16) Acetone	3.77	43	45071	39.480	ug/l #	72
17) Carbon Disulfide	4.01	76	14743	1.928	ug/l	98
25) 2-Butanone	6.79	43	8183	5.001	ug/l	90
39) Methylcyclohexane	9.05	83	15213	3.078	ug/l #	80
40) Benzene	8.00	78	296235	21.546	ug/l	99
52) Toluene	10.13	92	16728	1.994	ug/l	99
67) Ethyl Benzene	11.48	91	11044	0.686	ug/l	94
73) Isopropylbenzene	12.22	105	279256	19.509	ug/l	99
78) n-propylbenzene	12.57	91	280258	17.117	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	50774	4.381	ug/l	98
85) sec-Butylbenzene	13.15	105	19813	1.510	ug/l #	58
86) p-Isopropyltoluene	13.26	119	3389	0.295	ug/l #	76
89) n-Butylbenzene	13.59	91	14789m	1.547	ug/l	
95) Naphthalene	15.11	128	18559	5.932	ug/l	97

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

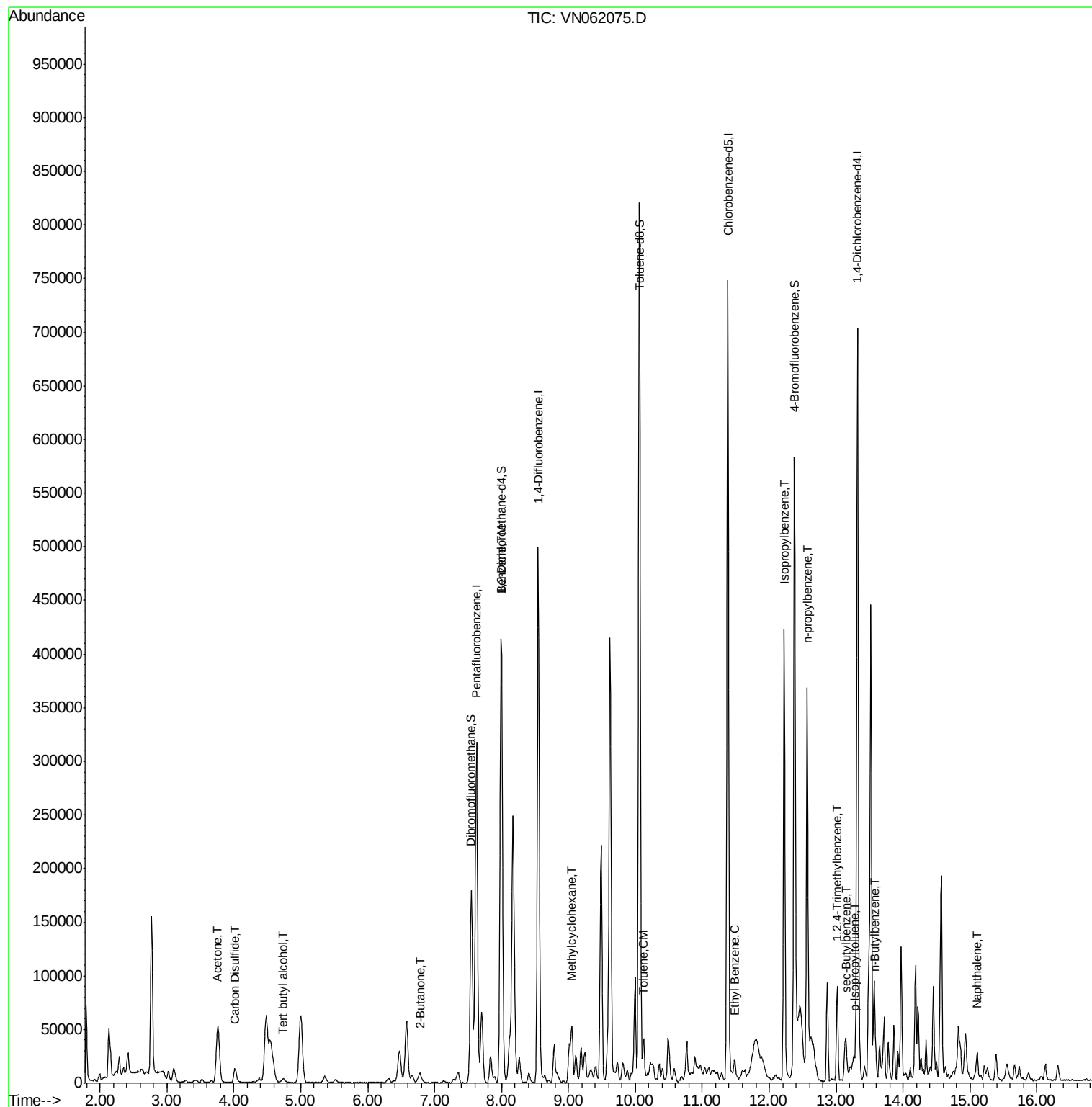
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062420\
Data File : VN062075.D
Acq On : 24 Jun 2020 20:13
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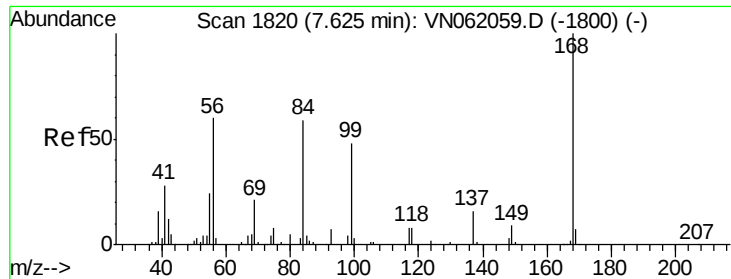
Instrument :
MSVOA_N
ClientSampleId :
TW-13

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Quant Time: Jun 25 05:23:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampled :

TW-13

Tot Ion:168 Resp: 238560

Ion Ratio Lower Upper

168 100

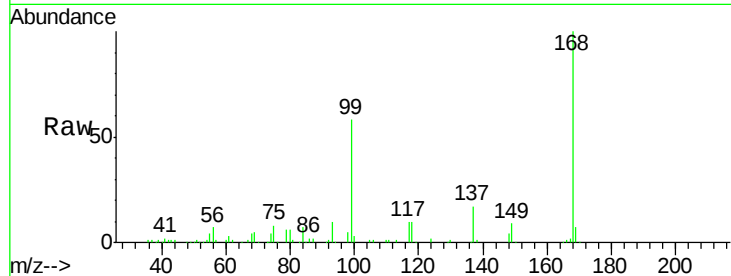
99 58.5 45.8 68.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

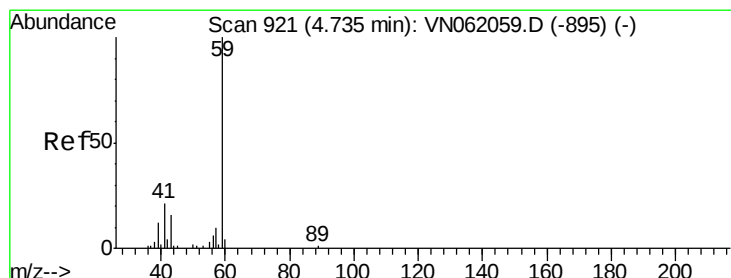
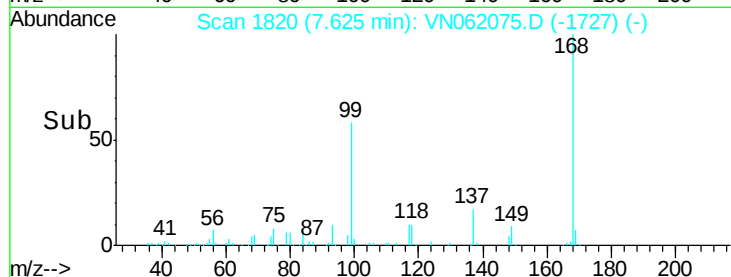
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 13.259 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN062075.D

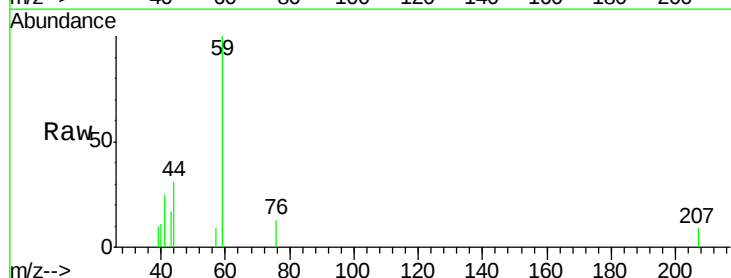
Acq: 24 Jun 2020 20:13

Tgt Ion: 59 Resp: 6373

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

2000

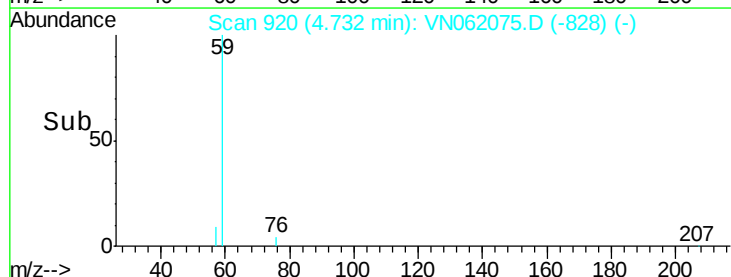
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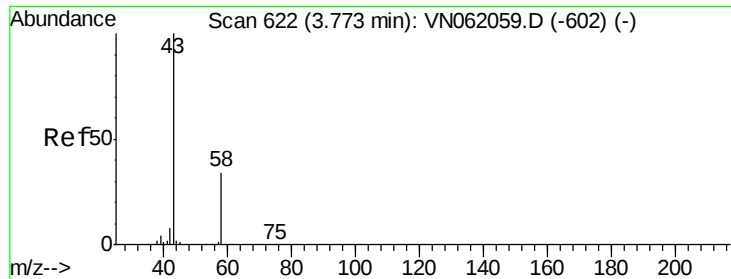
1000

500

0

Time--> 4.65 4.70 4.75 4.80





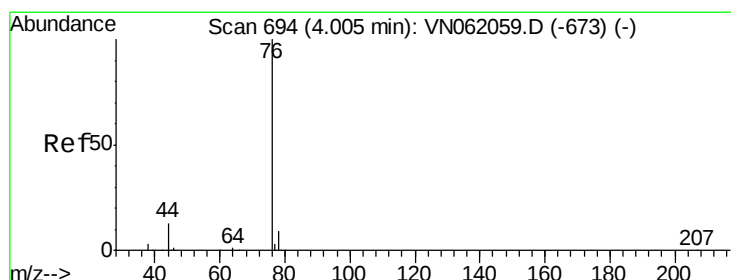
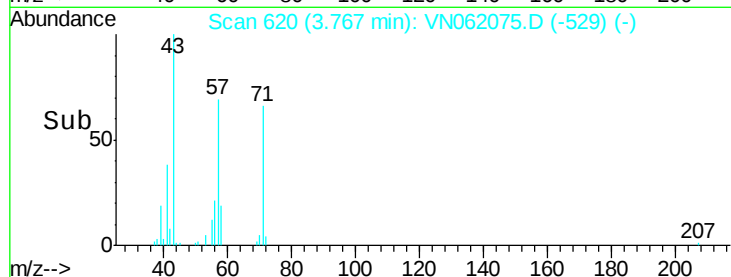
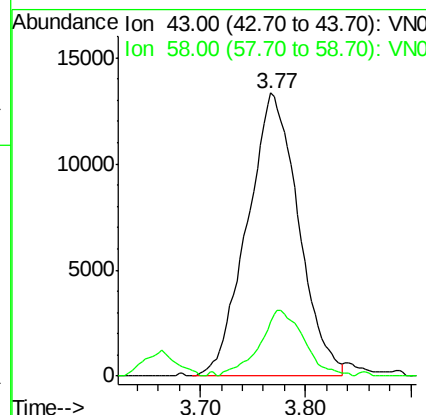
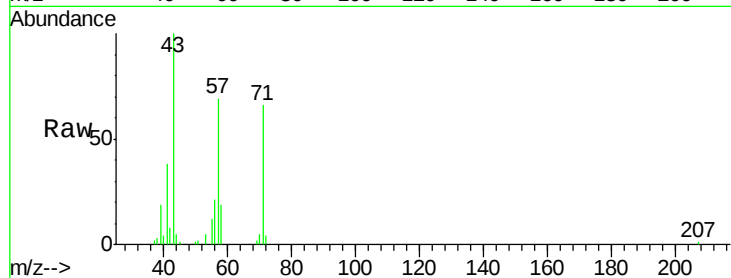
#16
Acetone
Concen: 39.480 ug/l
RT: 3.77 min Scan# 620
Delta R.T. -0.01 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
TW-13

Tot Ion: 43 Resp: 45071
Ion Ratio Lower Upper
43 100
58 18.0 27.5 41.3#

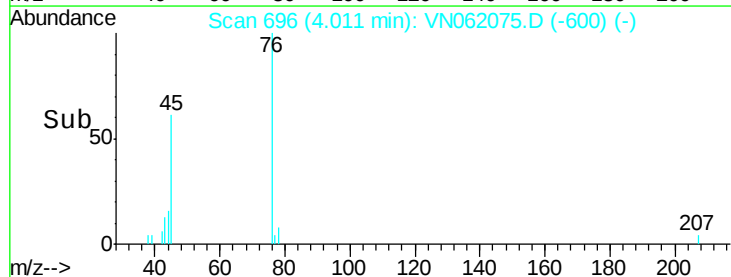
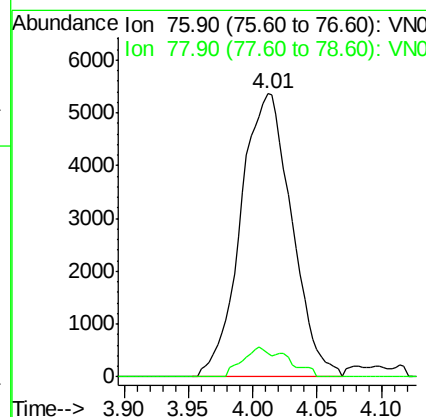
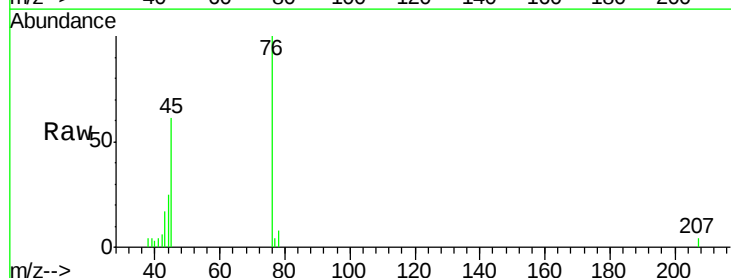
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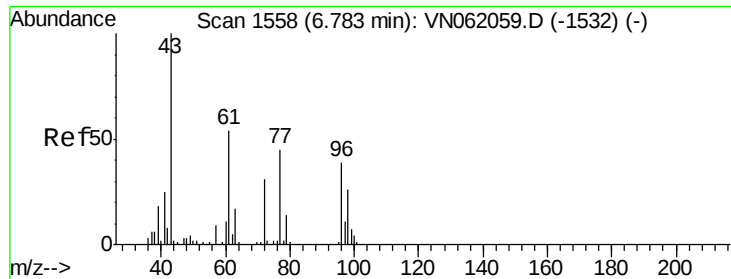
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#17
Carbon Disulfide
Concen: 1.928 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion: 76 Resp: 14743
Ion Ratio Lower Upper
76 100
78 8.1 7.2 10.8





#25

2-Butanone

Concen: 5.001 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampled :

TW-13

Tot Ion: 43 Resp: 8183

Ion Ratio Lower Upper

43 100

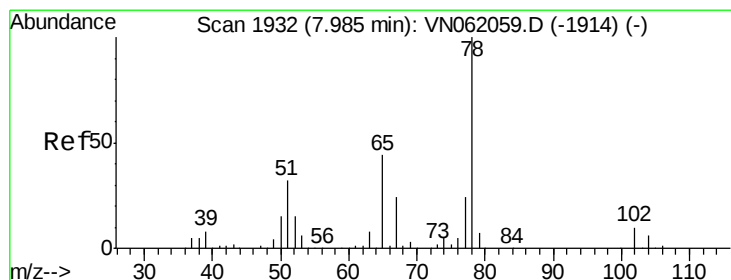
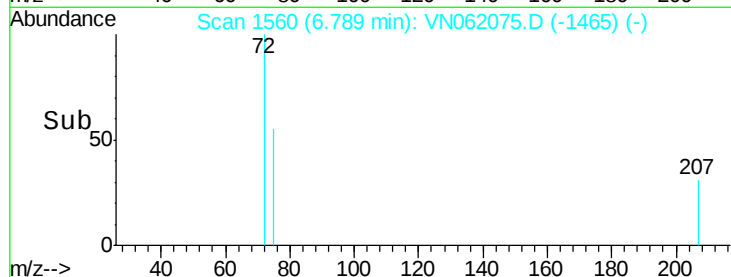
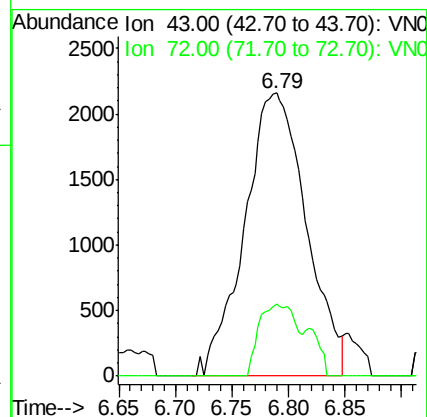
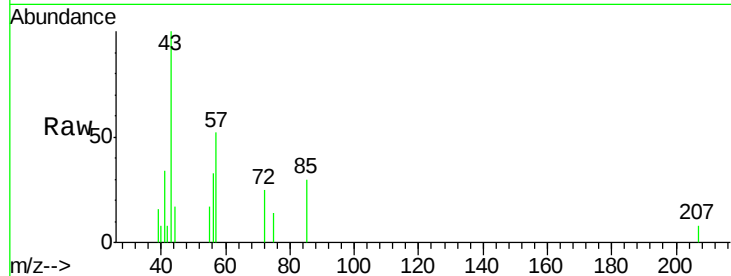
72 25.5 24.8 37.2

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#33

1,2-Dichloroethane-d4

Concen: 48.583 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062075.D

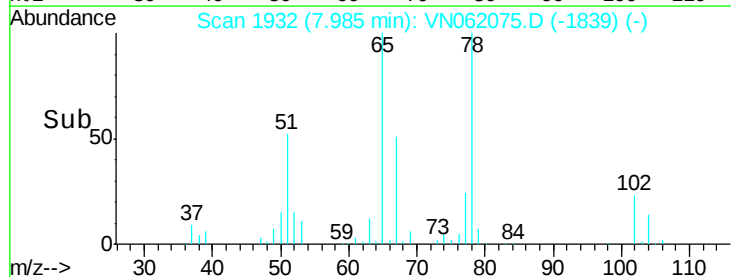
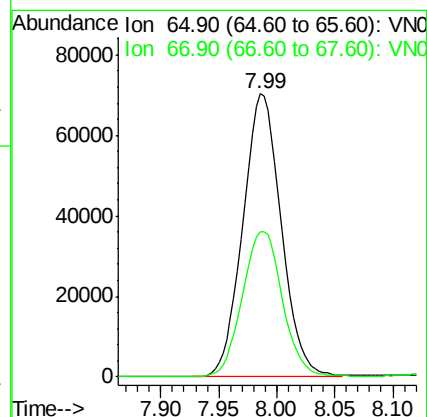
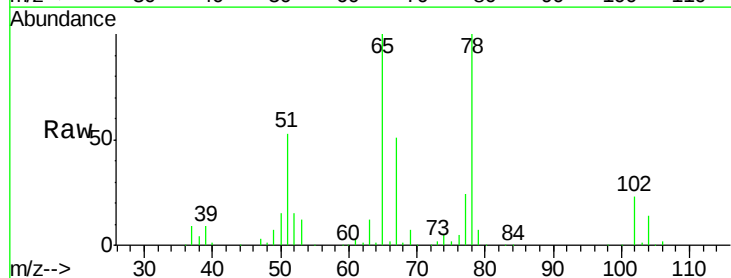
Acq: 24 Jun 2020 20:13

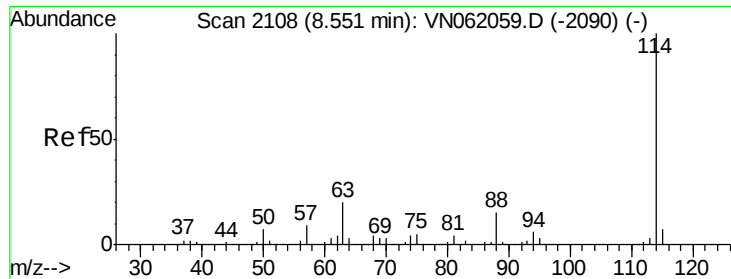
Tgt Ion: 65 Resp: 162645

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.2





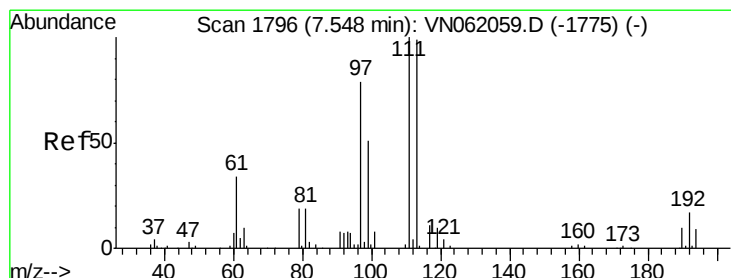
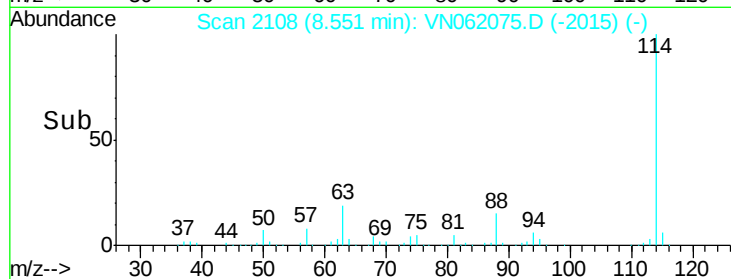
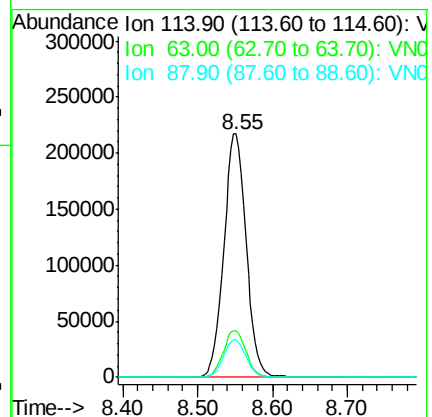
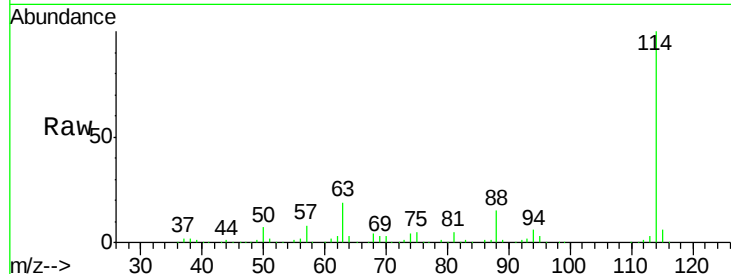
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampled :
TW-13

Tot Ion	Ratio	Resp	Lower	Upper
114	100	448770		
63	19.1	0.0	39.2	
88	15.5	0.0	30.8	

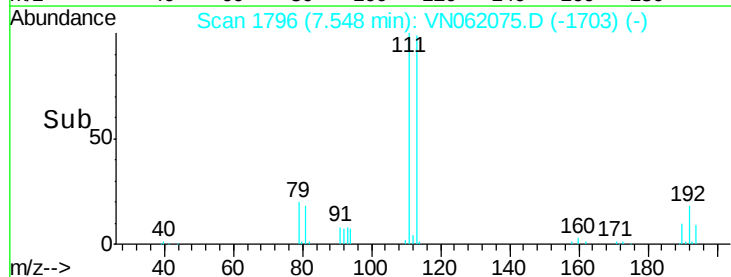
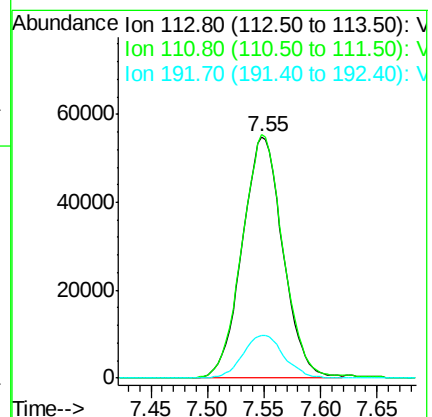
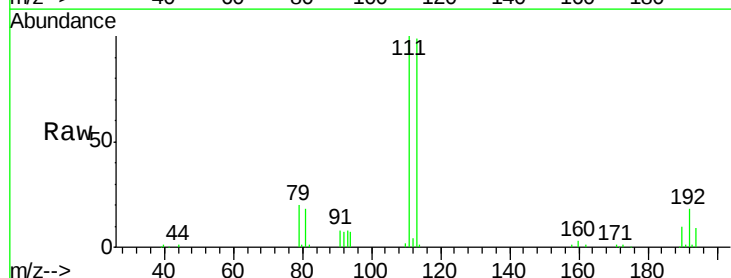
Manual Integrations
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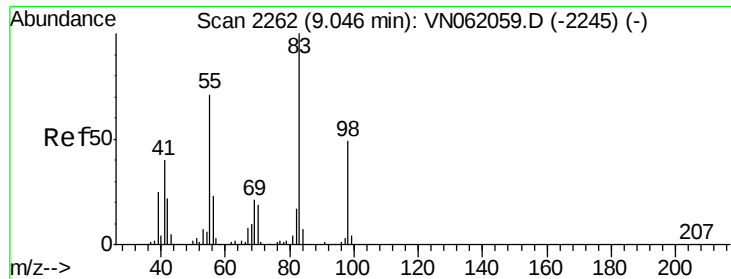
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#35
Dibromofluoromethane
Concen: 47.702 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	137337		
111	101.1	82.2	123.4	
192	18.0	14.0	21.0	





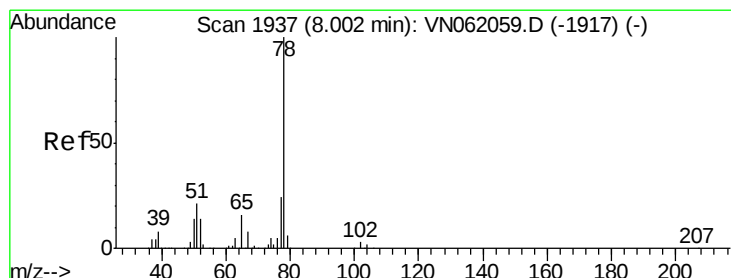
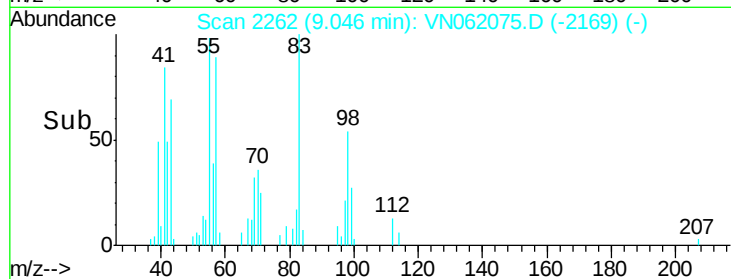
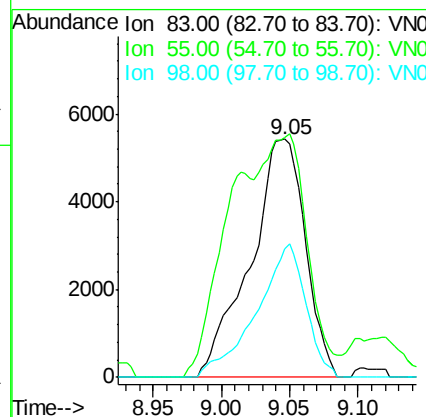
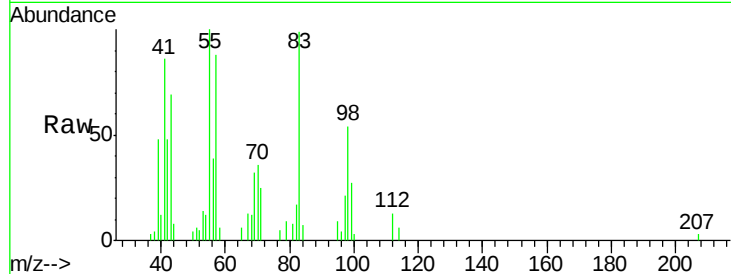
#39
Methvlcvclohexane
Concen: 3.078 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampled :
TW-13

Tot Ion	83	Resp	15213
Ion	Ratio	Lower	Upper
83	100		
55	95.2	57.0	85.6#
98	54.1	39.0	58.6

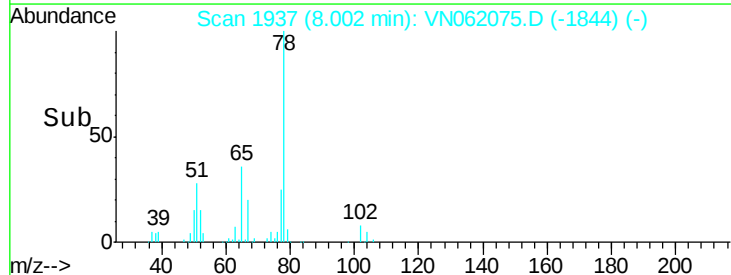
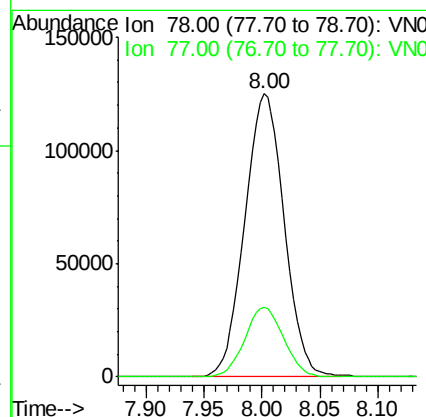
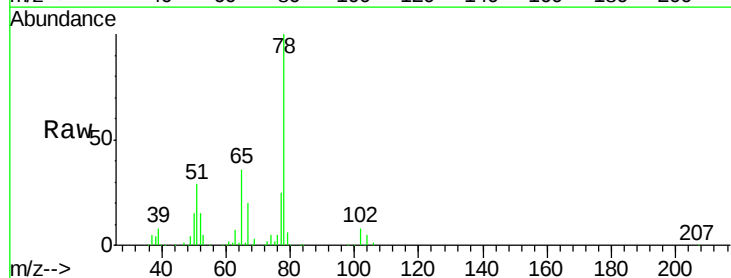
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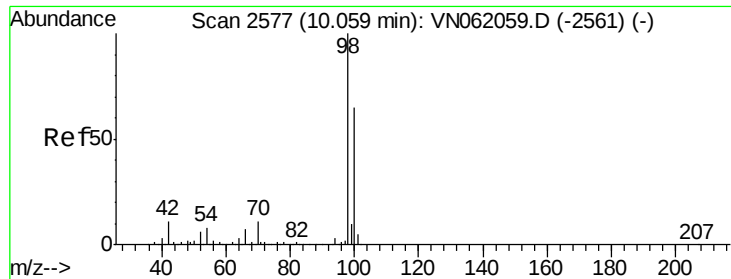
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#40
Benzene
Concen: 21.546 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion	78	Resp	296235
Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.5	29.3





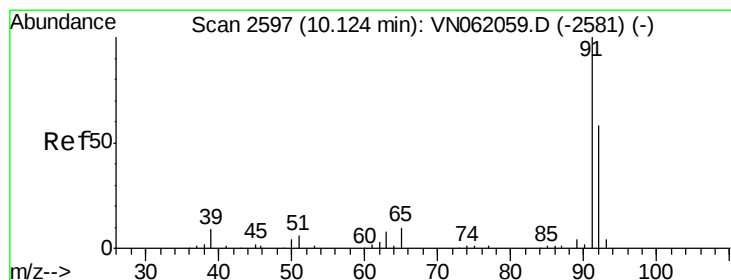
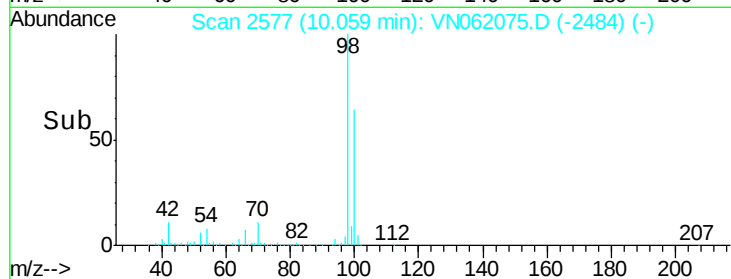
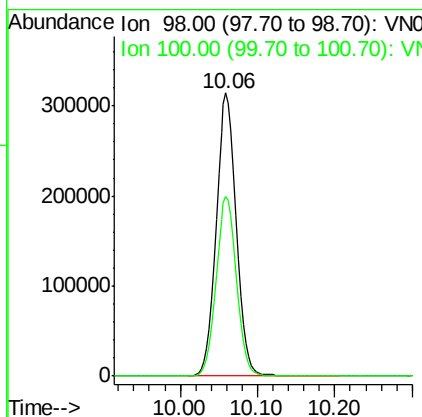
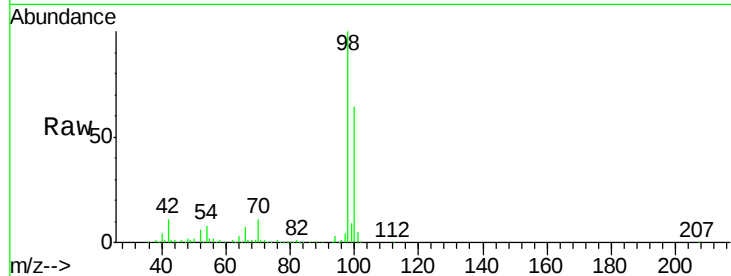
#50
Toluene-d8
Concen: 49.712 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampled :
TW-13

Tot Ion	98	Resp	572122
Ion Ratio	100	Lower	Upper
98	100		
100	64.6	51.2	76.8

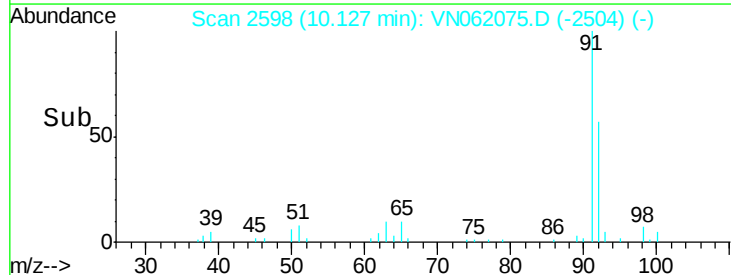
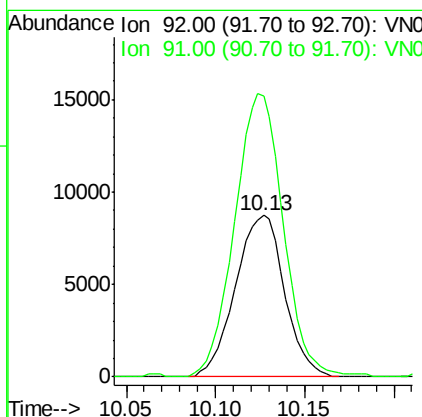
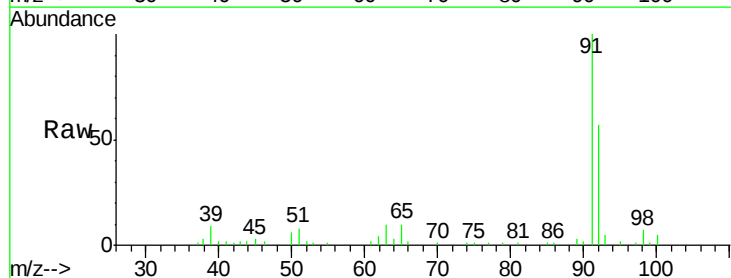
Manual Integrations
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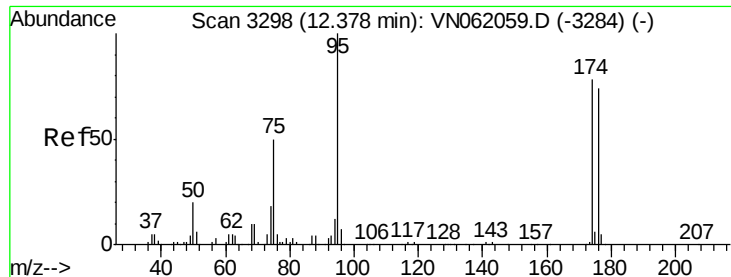
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6/25/2020 6:10:36 PM



#52
Toluene
Concen: 1.994 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion	92	Resp	16728
Ion Ratio	100	Lower	Upper
92	100		
91	173.4	137.4	206.0





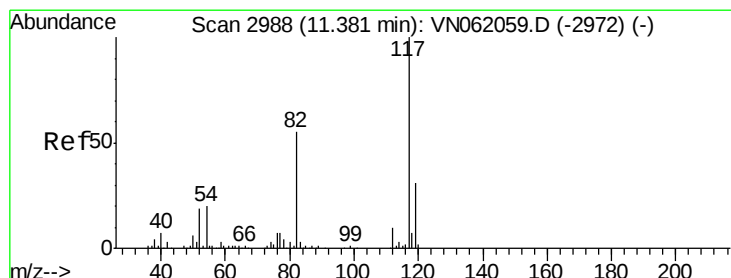
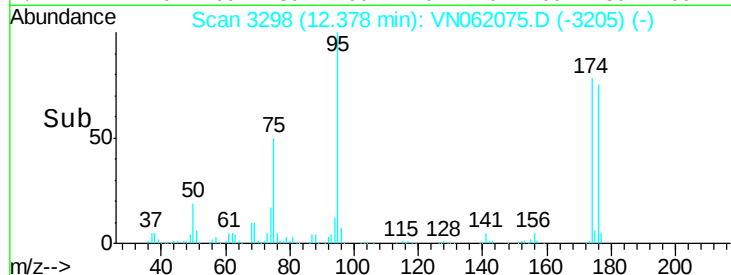
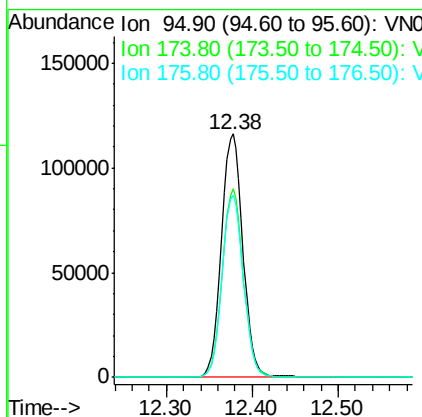
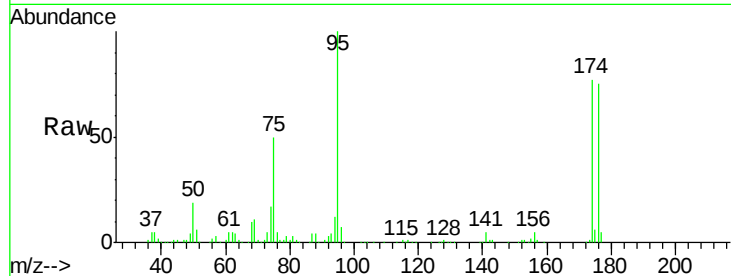
#62
4-Bromofluorobenzene
Concen: 52.293 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampled :
TW-13

Tot Ion	Ratio	Resp	Lower	Upper
95	100	203331		
174	75.8	0.0	154.8	
176	73.5	0.0	147.4	

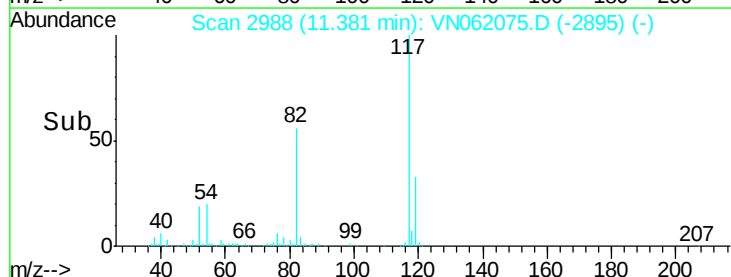
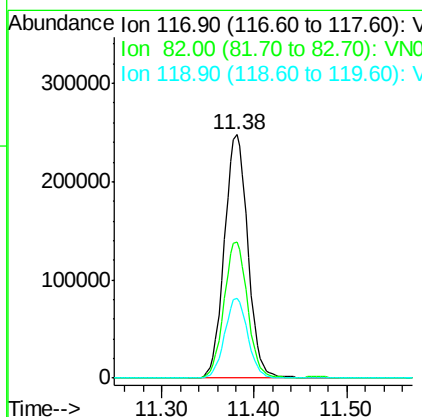
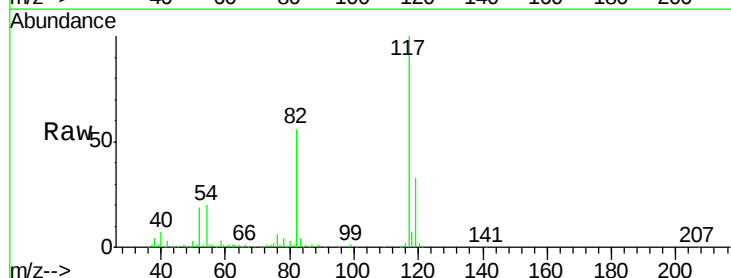
Manual Integrations
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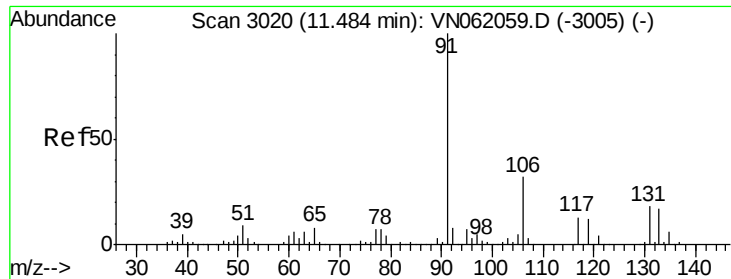
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	434331		
82	56.1	43.8	65.8	
119	33.0	25.2	37.8	





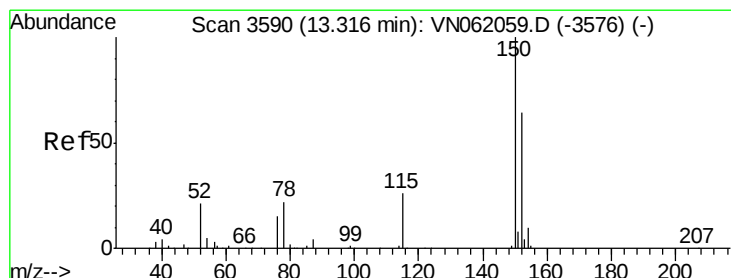
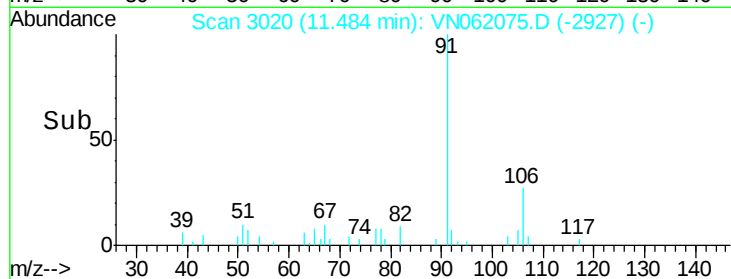
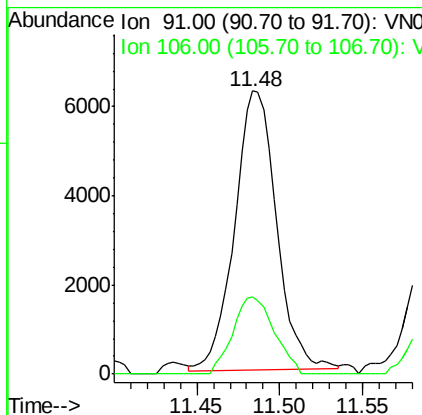
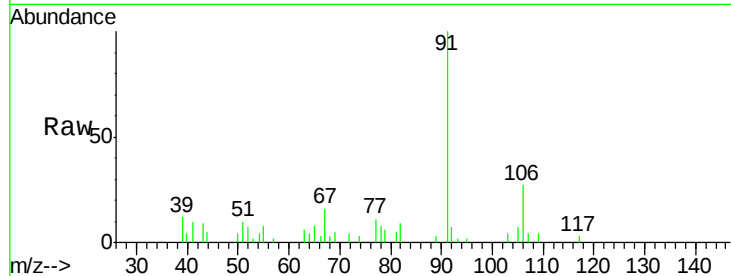
#67
Ethyl Benzene
Concen: 0.686 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampled :
TW-13

Tot Ion: 91 Resp: 11044
Ion Ratio Lower Upper
91 100
106 28.2 25.3 37.9

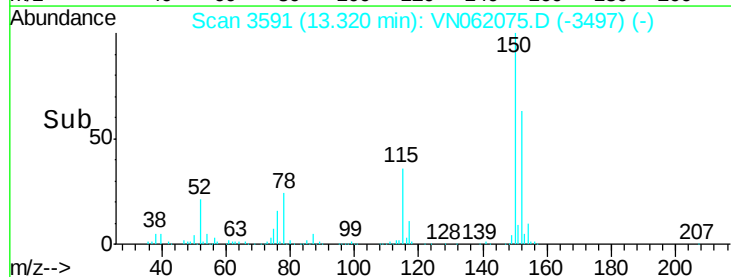
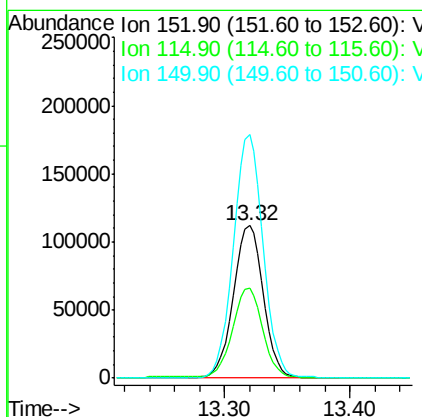
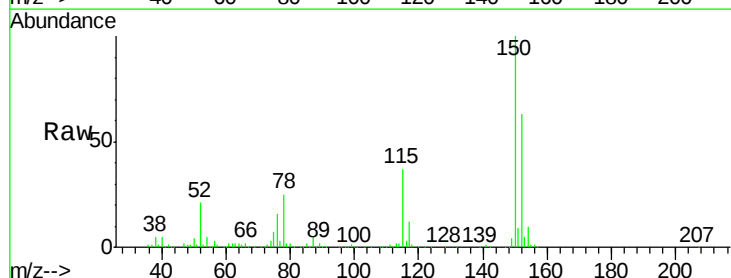
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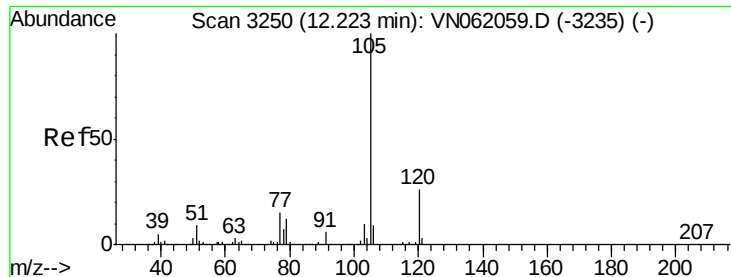
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Tgt Ion: 152 Resp: 184917
Ion Ratio Lower Upper
152 100
115 59.6 29.5 88.5
150 159.5 0.0 351.4





#73

Isopropylbenzene

Concen: 19.509 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062075.D

Acq: 24 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampled :

TW-13

Tot Ion: 105 Resp: 279256

Ion Ratio Lower Upper

105 100

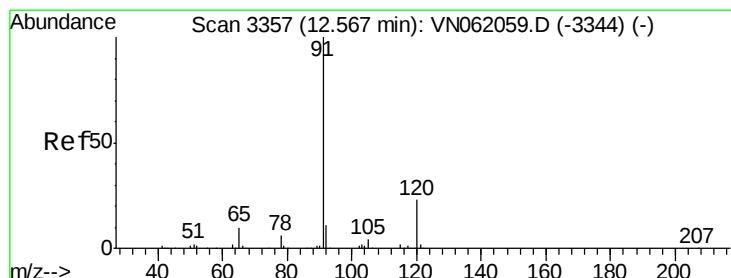
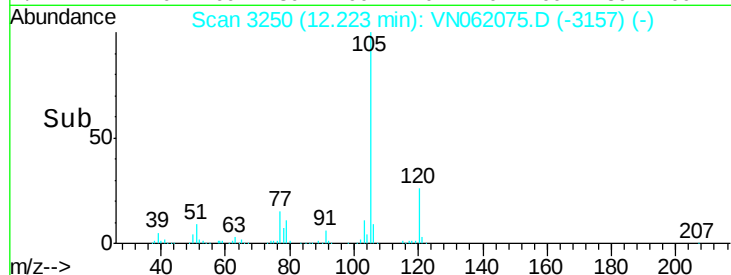
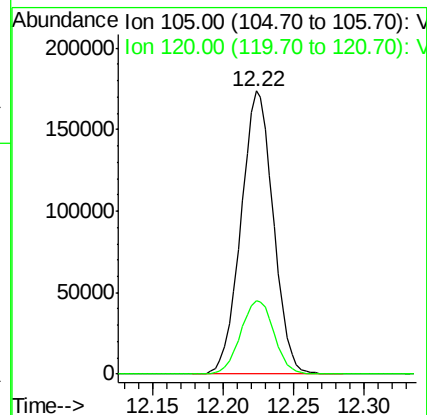
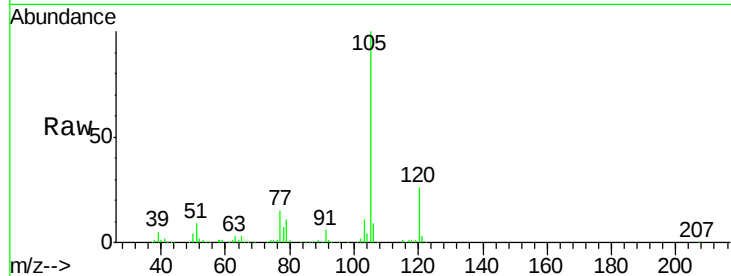
120 26.8 13.2 39.6

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#78

n-propylbenzene

Concen: 17.117 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062075.D

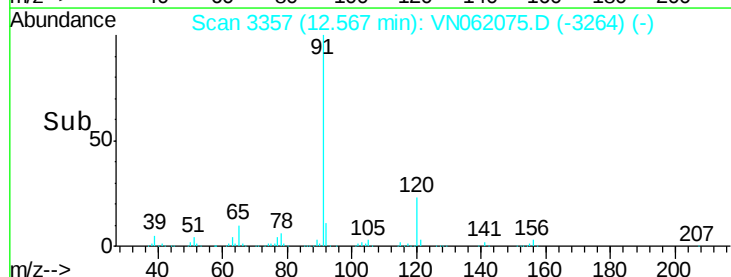
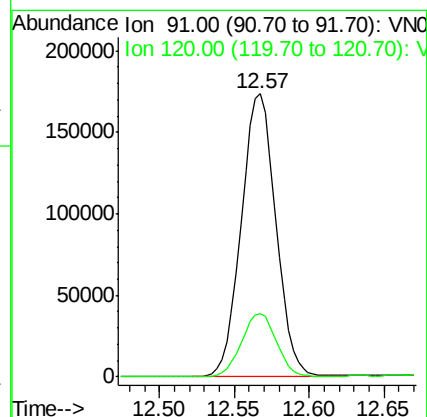
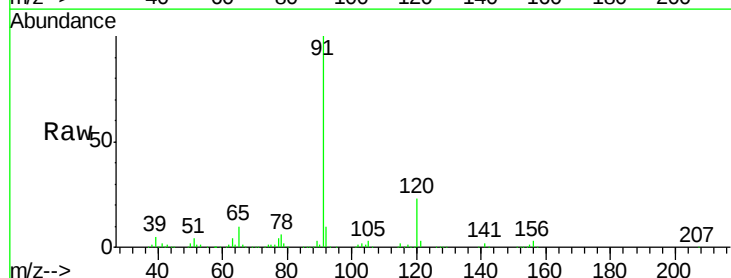
Acq: 24 Jun 2020 20:13

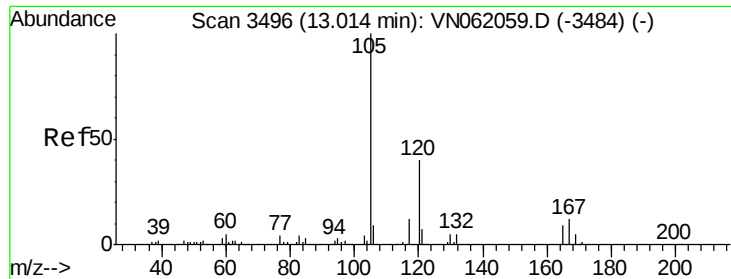
Tgt Ion: 91 Resp: 280258

Ion Ratio Lower Upper

91 100

120 22.6 11.4 34.1





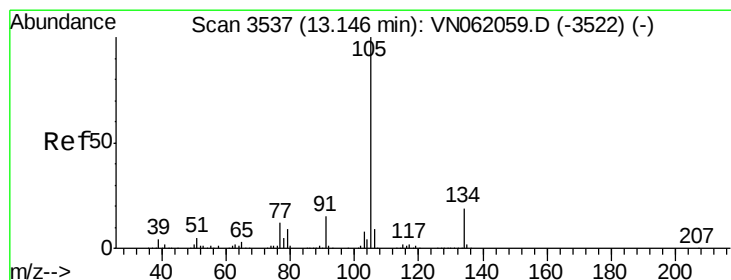
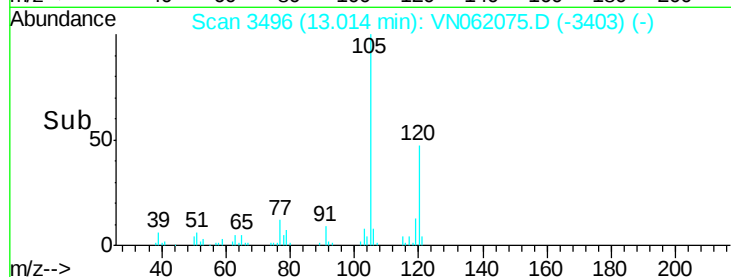
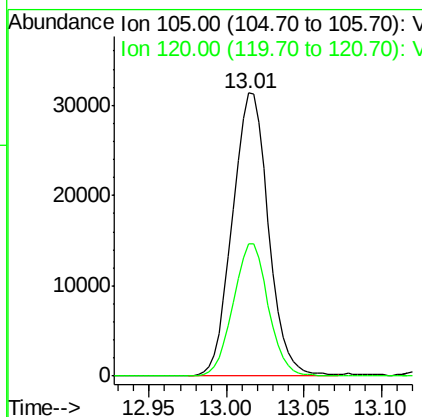
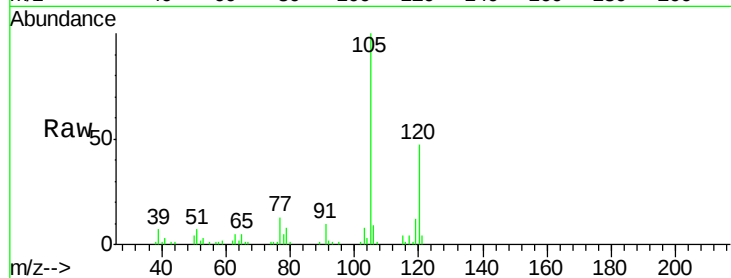
#84
 1,2,4-Trimethylbenzene
 Concen: 4.381 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-13

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.2	69.5

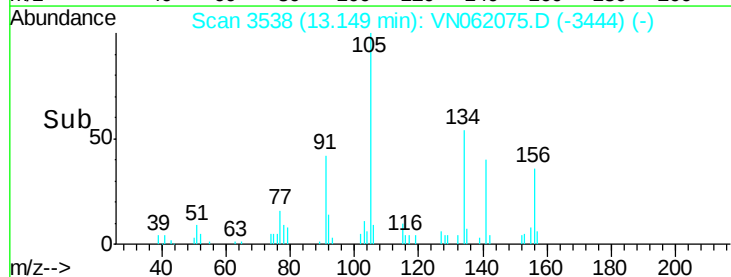
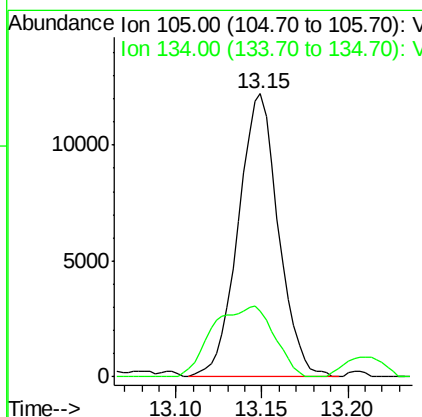
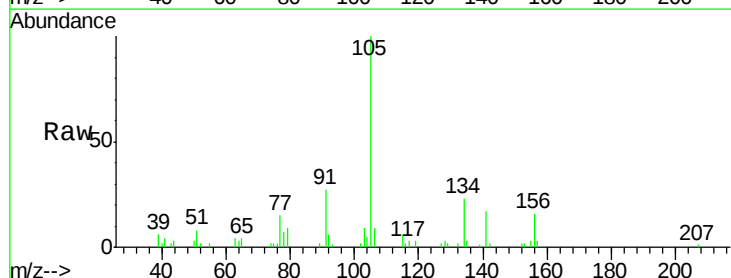
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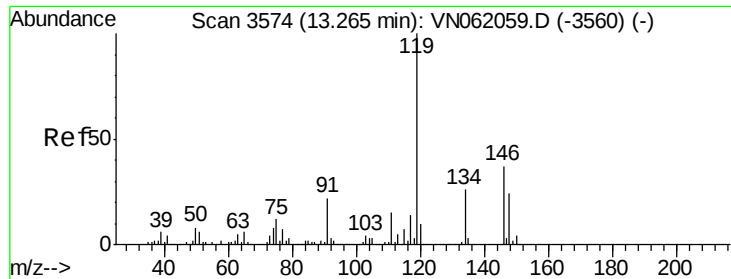
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#85
 sec-Butylbenzene
 Concen: 1.510 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
105	100		
134	38.3	9.7	29.1#





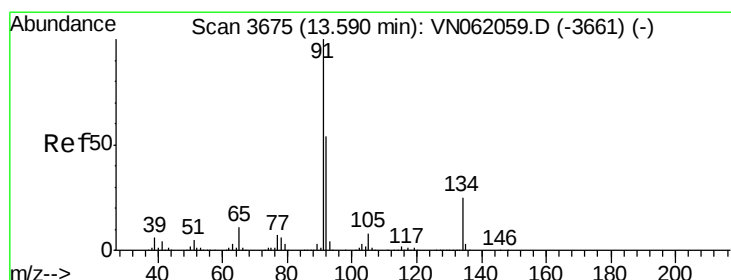
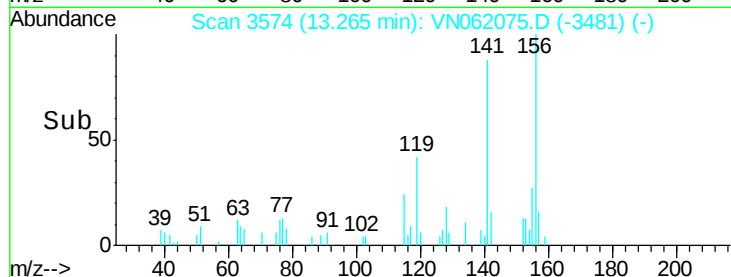
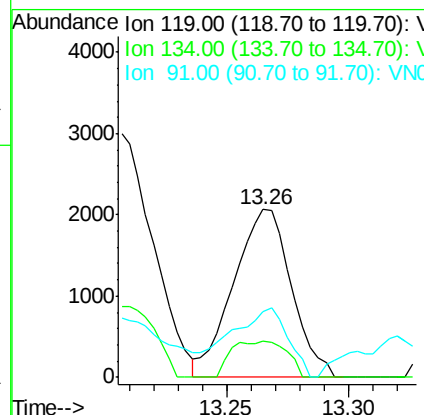
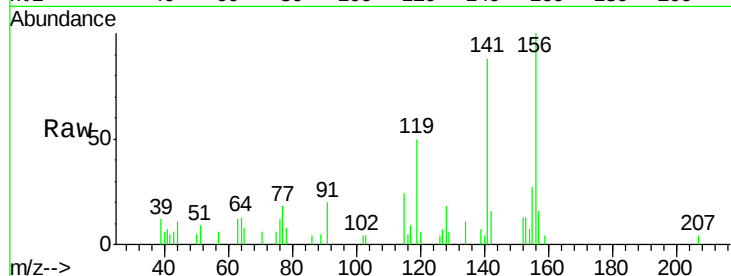
#86
 p-Isopropyltoluene
 Concen: 0.295 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampled :
 TW-13

Tot Ion	Ratio	Lower	Upper
119	100		
134	20.7	13.0	39.0
91	41.1	11.3	33.8

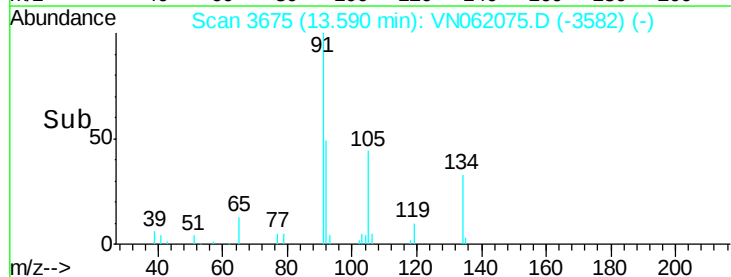
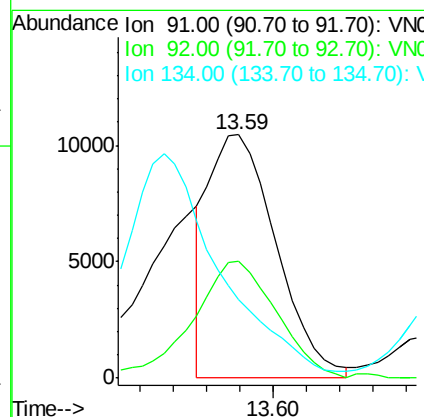
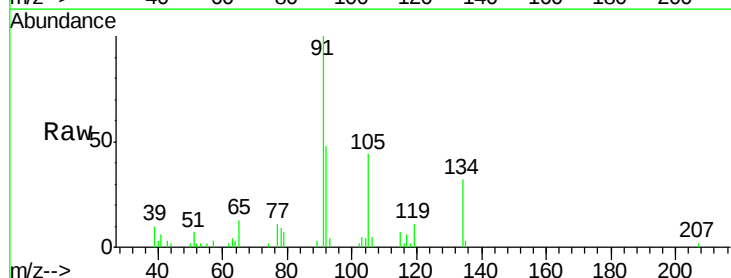
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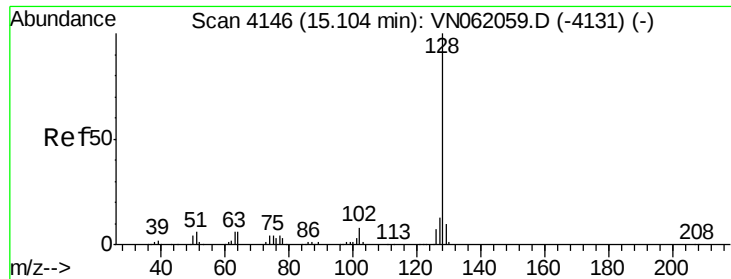
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#89
 n-Butylbenzene
 Concen: 1.547 ug/l m
 RT: 13.59 min Scan# 3675
 Delta R.T. -0.00 min
 Lab File: VN062075.D
 Acq: 24 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.6	26.6	79.7
134	0.0	12.3	36.9





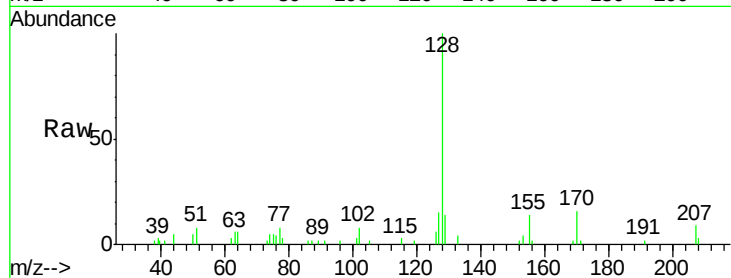
#95
Naphthalene
Concen: 5.932 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062075.D
Acq: 24 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
TW-13

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	14.4	10.5	15.7
129	12.2	8.6	13.0

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

