

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064003.D
 Acq On : 8 Oct 2020 20:05
 Operator : JC/MD
 Sample : L4234-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 UST-CONTENT-LIQUID

Manual Integrations
 APPROVED

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 10/9/2020 4:32:25 PM

Quant Time: Oct 09 06:50:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	232446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	424706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	441215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	231625	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	198255	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	7.55	113	147791	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.06	98	549202	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.38	95	225888	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	7931	6.709	ug/l	94
20) Methylene Chloride	4.51	84	3052	1.223	ug/l #	73
52) Toluene	10.13	92	14477	1.904	ug/l	96
68) m/p-Xylenes	11.59	106	6700	1.092	ug/l	99
69) o-Xylene	11.92	106	22549	3.930	ug/l	98
73) Isopropylbenzene	12.23	105	12894	0.763	ug/l	99
78) n-propylbenzene	12.57	91	168758	8.583	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	488204	34.445	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	5232535	369.762	ug/l	88
85) sec-Butylbenzene	13.15	105	148645m	9.761	ug/l	
86) p-Isopropyltoluene	13.26	119	123252	9.149	ug/l	98
89) n-Butylbenzene	13.59	91	482292	38.790	ug/l #	74
95) Naphthalene	15.10	128	8532461	658.354	ug/l #	86

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

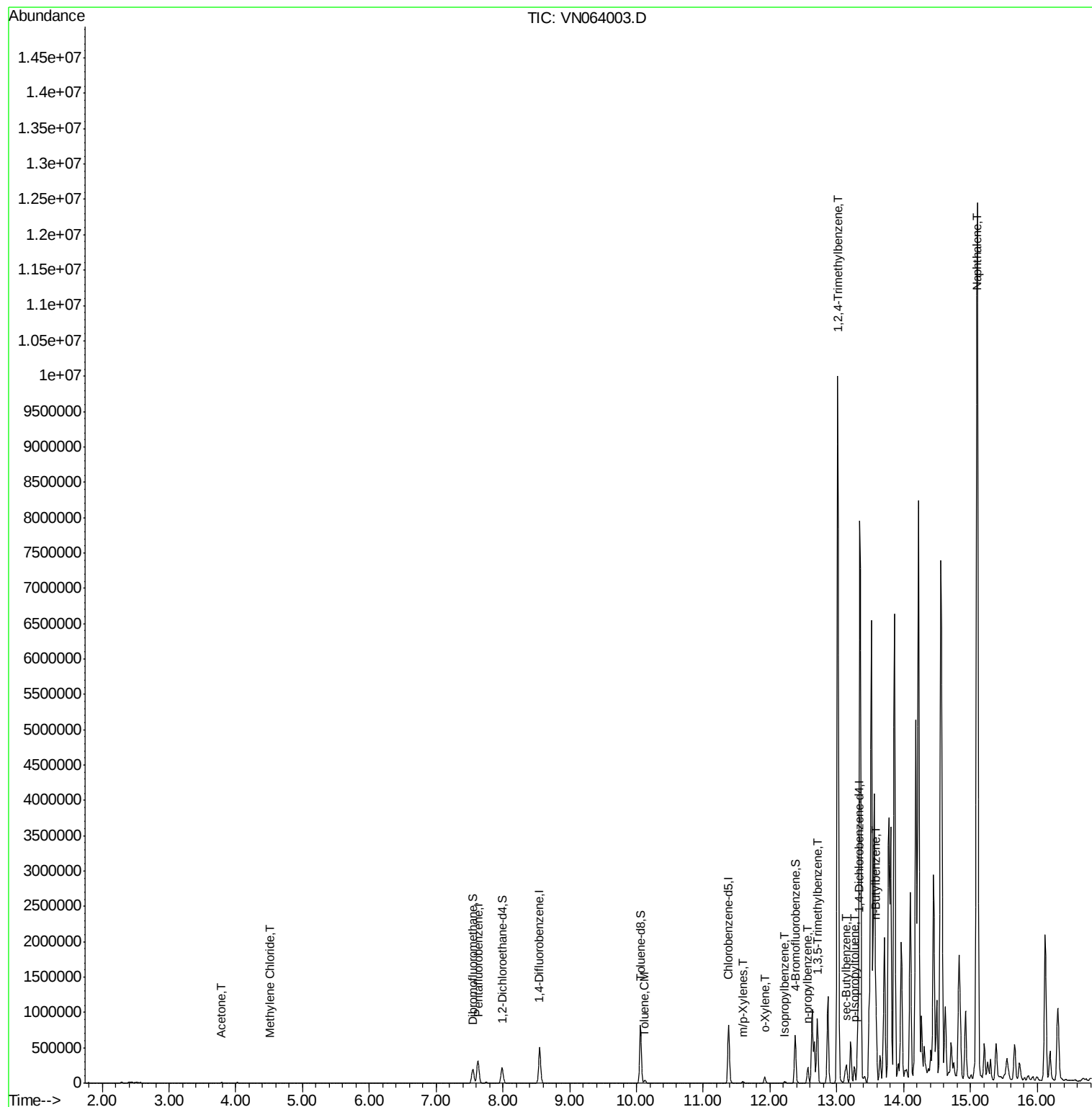
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
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Manual Integrations
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Quant Time: Oct 09 06:50:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064003.D

Acq: 8 Oct 2020 20:05

Instrument :

MSVOA_N

ClientSampleId :

UST-CONTENT-LIQUID

Tot Ion:168 Resp: 232446

Ion Ratio Lower Upper

168 100

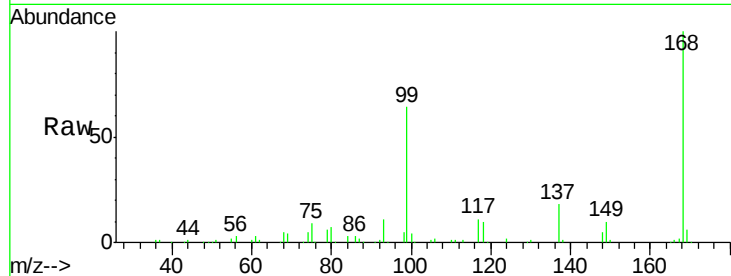
99 63.6 51.8 77.6

Manual Integrations

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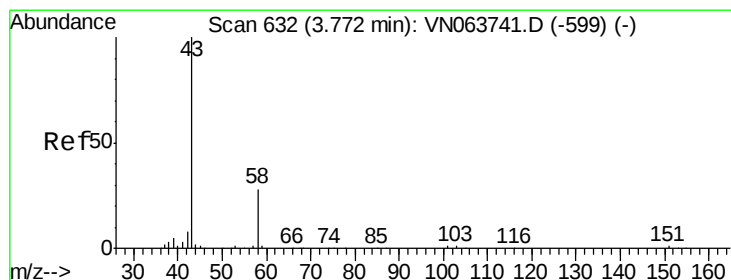
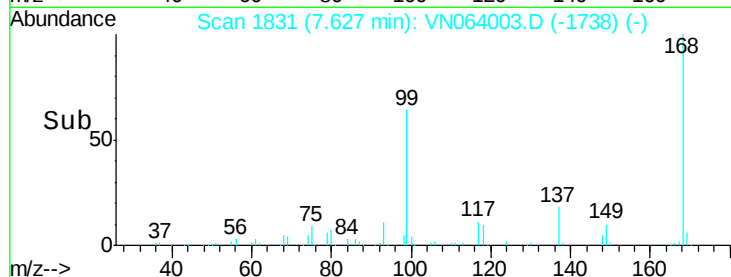
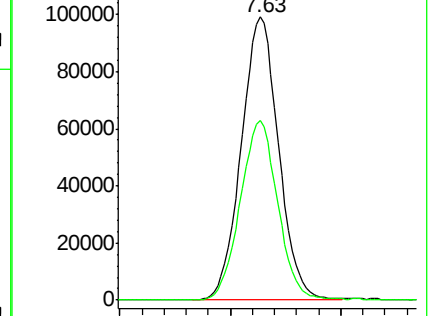
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 6.709 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064003.D

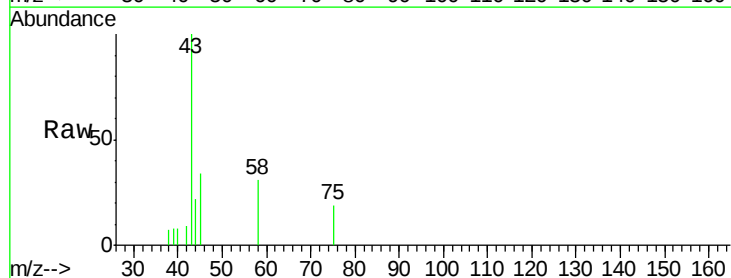
Acq: 8 Oct 2020 20:05

Tgt Ion: 43 Resp: 7931

Ion Ratio Lower Upper

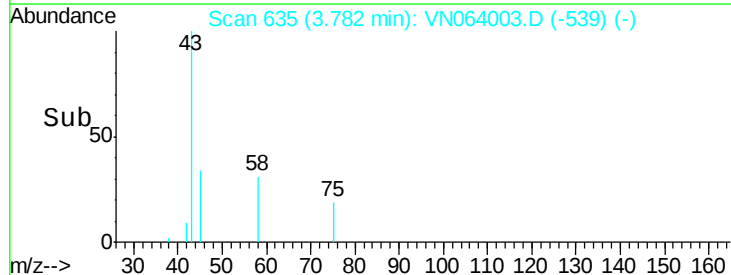
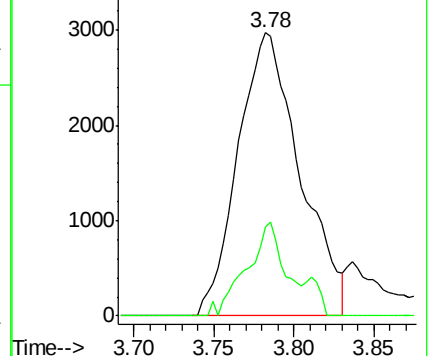
43 100

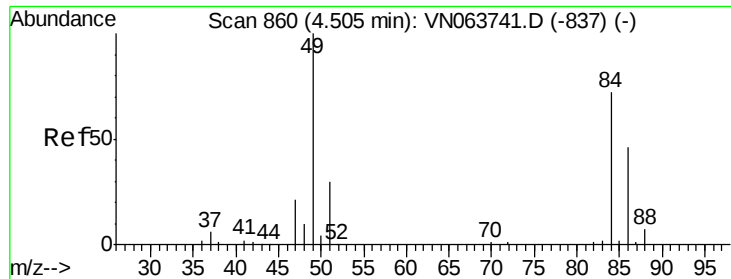
58 31.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





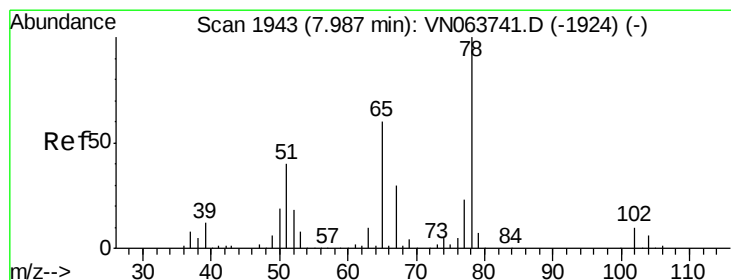
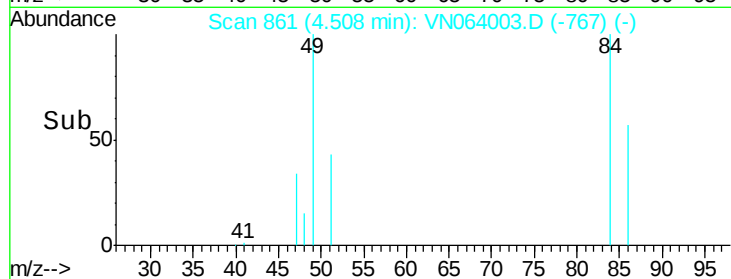
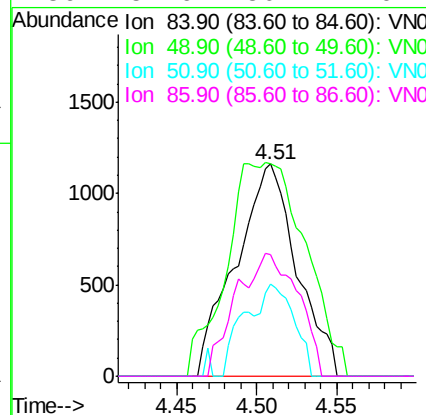
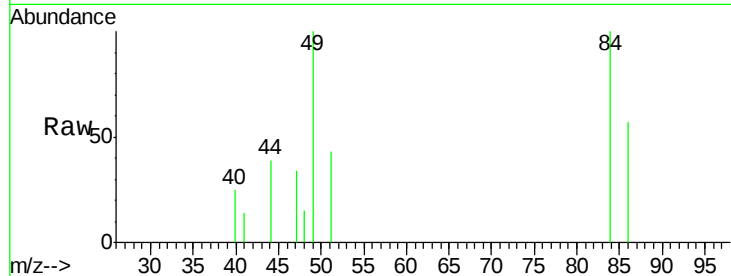
#20
Methvlene Chloride
Concen: 1.223 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN064003.D
Acq: 8 Oct 2020 20:05

Instrument :
MSVOA_N
ClientSampleId :
UST-CONTENT-LIQUID

Tot Ion: 84 Resp: 3052
Ion Ratio Lower Upper
84 100
49 86.4 110.4 165.6#
51 43.4 33.3 49.9
86 57.6 50.7 76.1

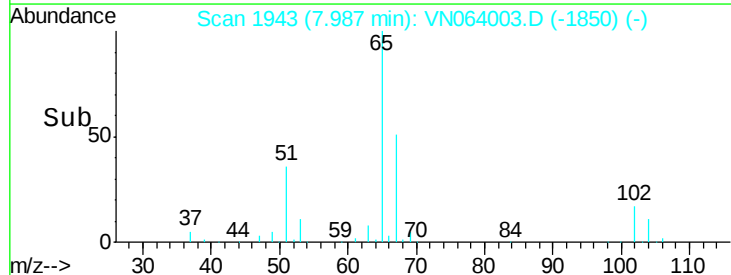
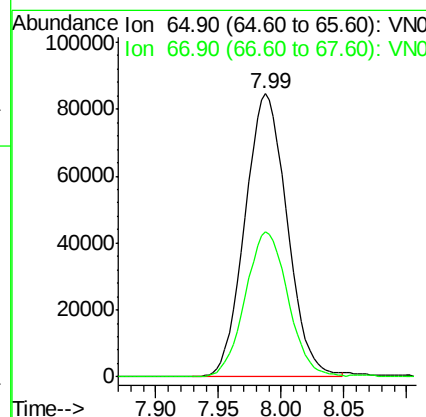
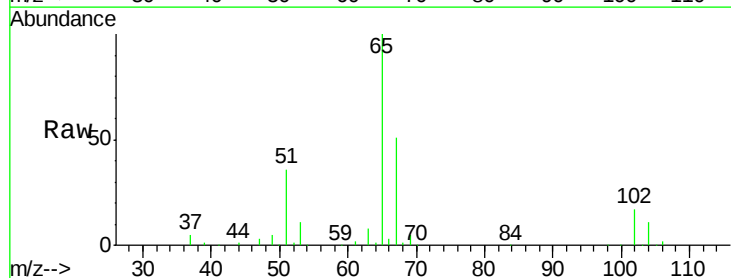
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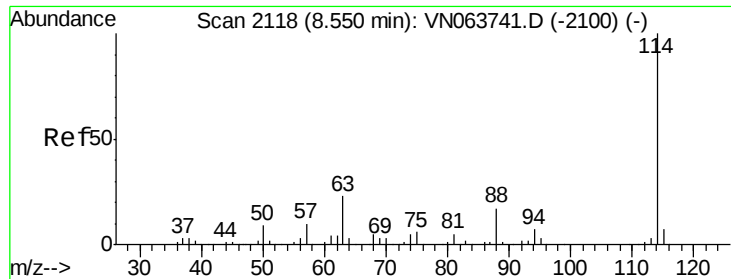
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#33
1,2-Dichloroethane-d4
Concen: 51.627 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064003.D
Acq: 8 Oct 2020 20:05

Tgt Ion: 65 Resp: 198255
Ion Ratio Lower Upper
65 100
67 51.9 0.0 99.6





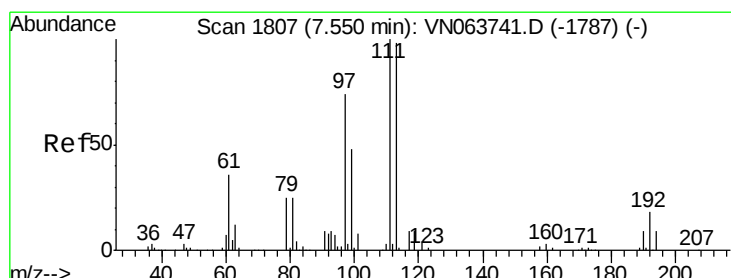
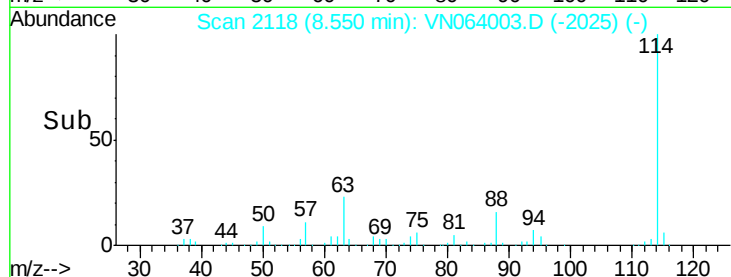
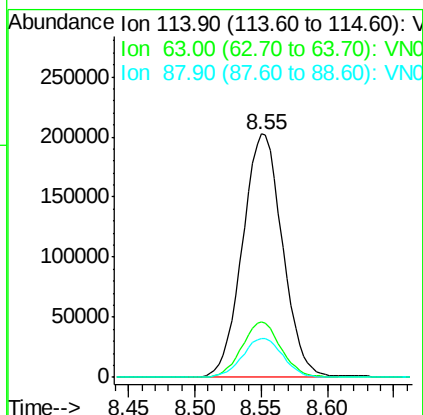
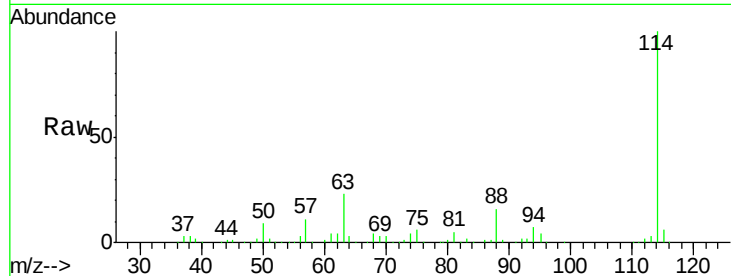
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064003.D
Acq: 8 Oct 2020 20:05

Instrument :
MSVOA_N
ClientSampleId :
UST-CONTENT-LIQUID

Tot Ion	Ratio	Resp	Lower	Upper
114	100	424706		
63	22.9	0.0	45.0	
88	15.8	0.0	34.0	

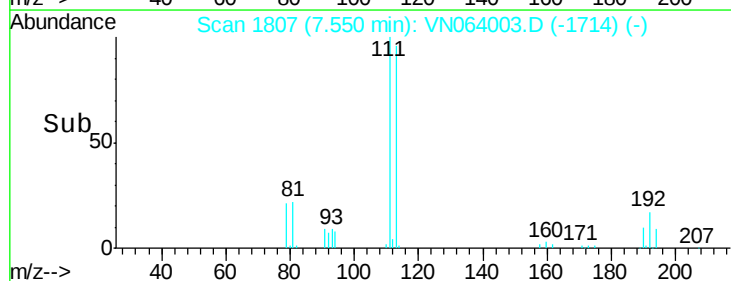
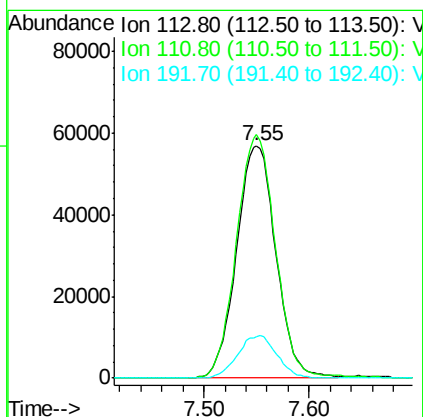
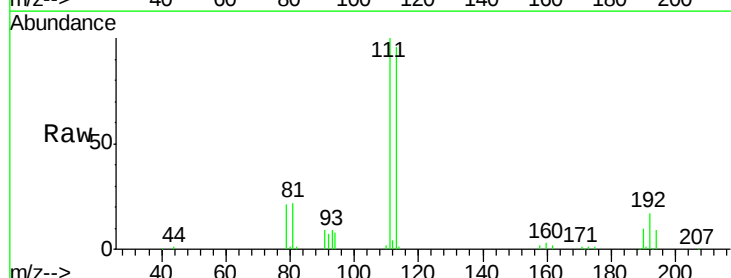
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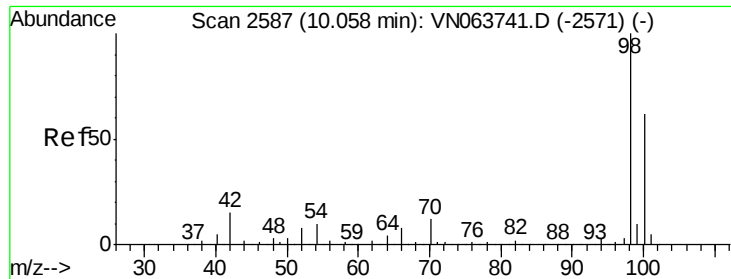
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#35
Dibromofluoromethane
Concen: 50.151 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064003.D
Acq: 8 Oct 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	147791		
111	103.3	81.8	122.8	
192	18.1	14.2	21.2	





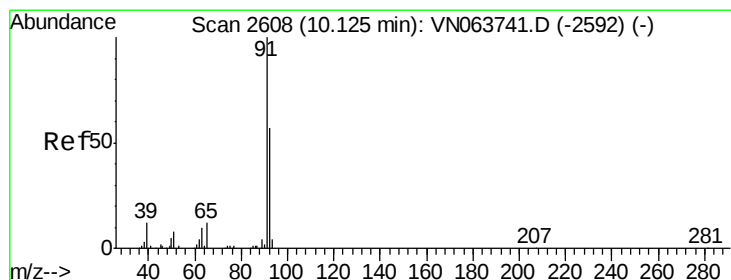
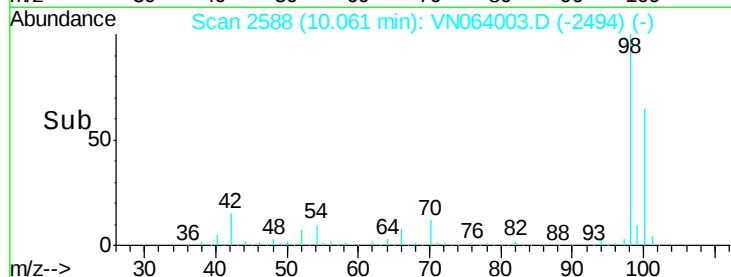
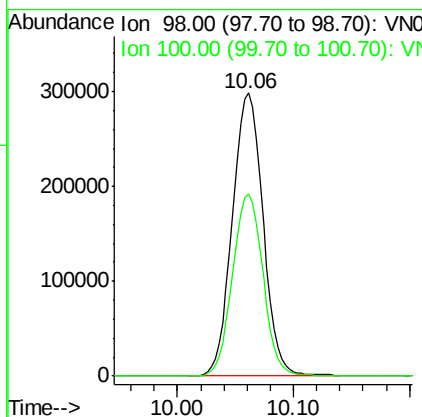
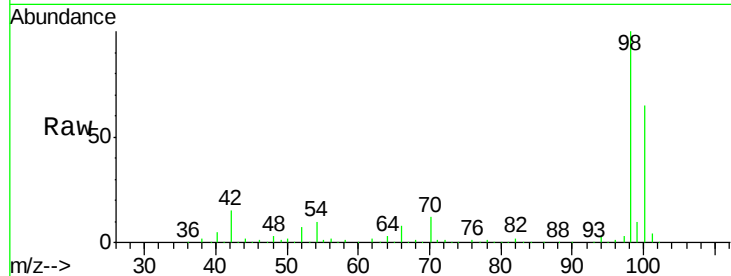
#50
Toluene-d8
Concen: 49.161 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064003.D
Acq: 8 Oct 2020 20:05

Instrument :
MSVOA_N
ClientSampleId :
UST-CONTENT-LIQUID

Tot Ion: 98 Resp: 549202
Ion Ratio Lower Upper
98 100
100 63.8 49.8 74.6

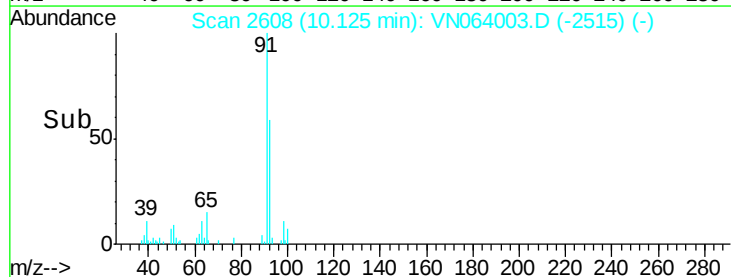
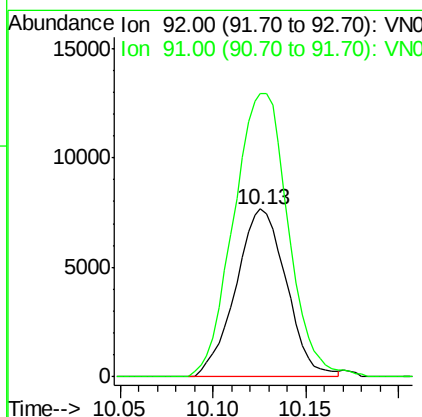
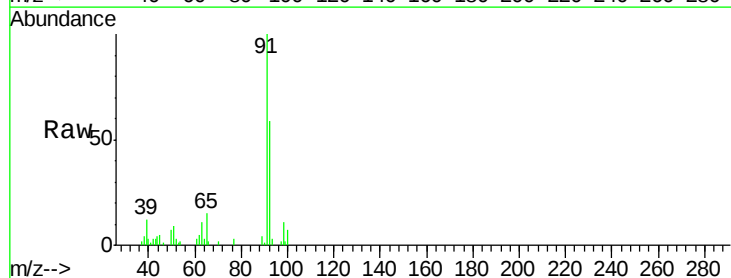
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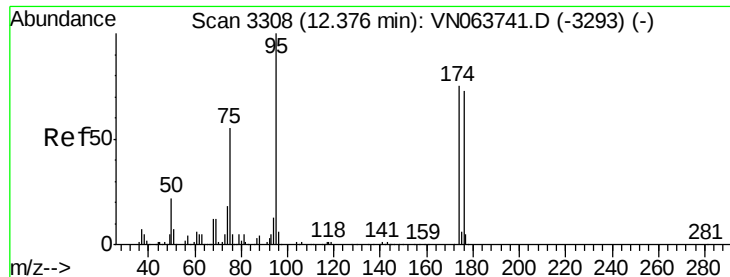
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#52
Toluene
Concen: 1.904 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064003.D
Acq: 8 Oct 2020 20:05

Tgt Ion: 92 Resp: 14477
Ion Ratio Lower Upper
92 100
91 182.0 140.6 210.8





#62

4-Bromofluorobenzene

Concen: 53.789 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064003.D

Acq: 8 Oct 2020 20:05

Instrument :

MSVOA_N

ClientSampleId :

UST-CONTENT-LIQUID

Tot Ion: 95 Resp: 225888

Ion Ratio Lower Upper

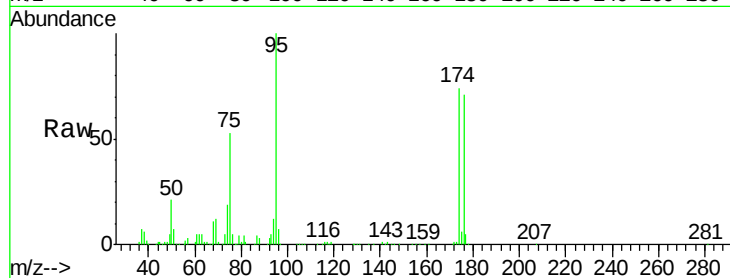
95 100

174 73.4 0.0 150.6

176 71.6 0.0 145.4

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Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)

12.38

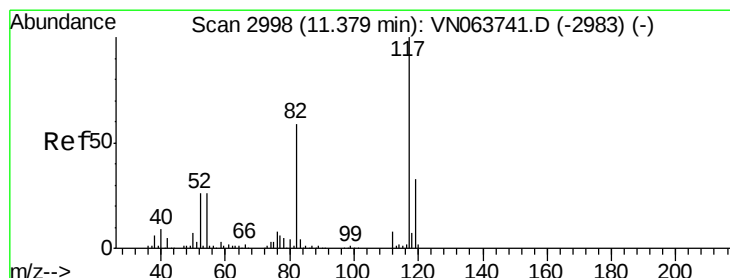
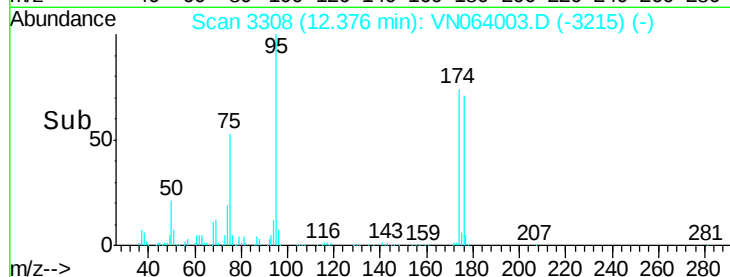
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064003.D

Acq: 8 Oct 2020 20:05

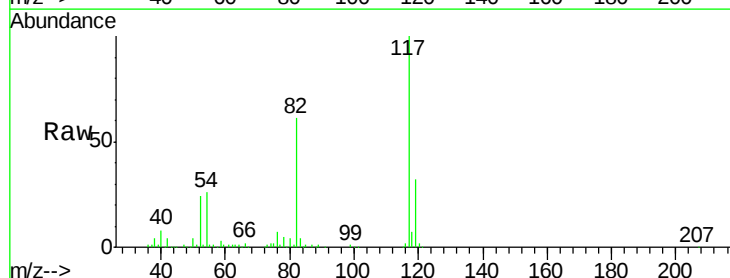
Tgt Ion: 117 Resp: 441215

Ion Ratio Lower Upper

117 100

82 60.7 47.4 71.2

119 32.0 26.4 39.6



Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063741.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063741.D (-2983) (-)

11.38

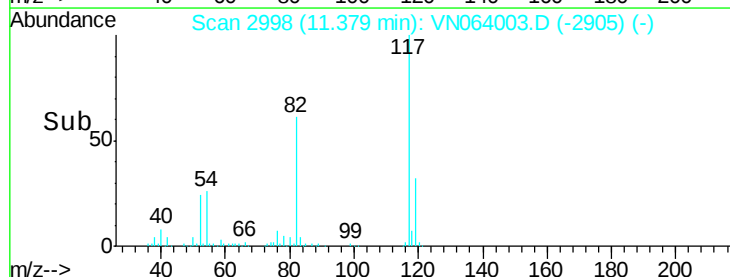
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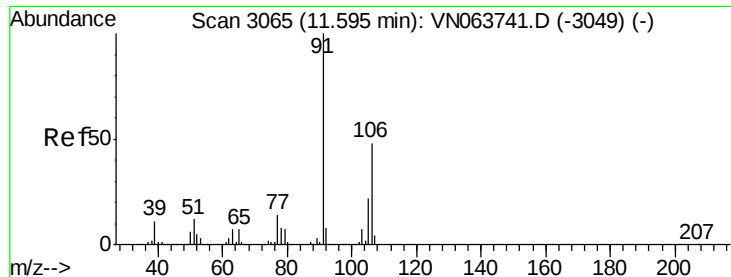
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0

Time-->





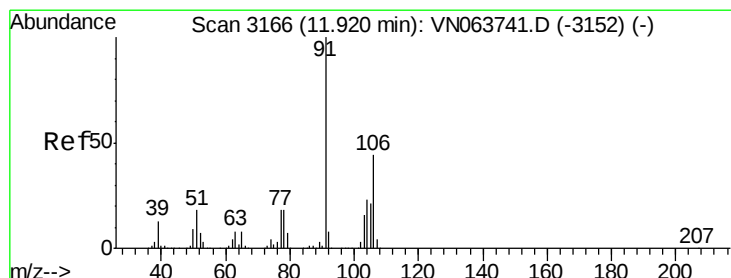
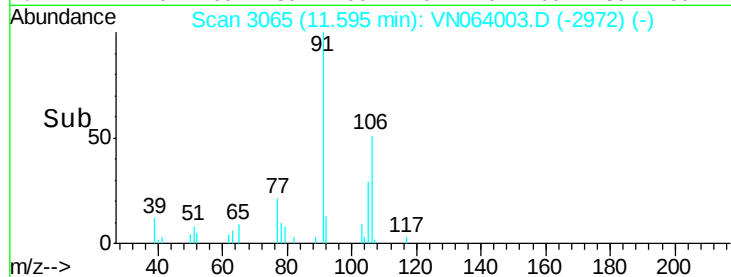
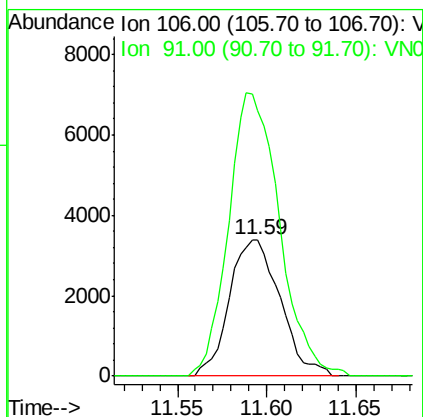
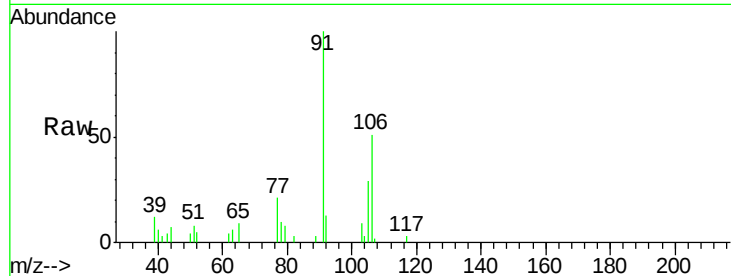
#68
m/p-Xvlenes
Concen: 1.092 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064003.D
Acq: 8 Oct 2020 20:05

Instrument :
MSVOA_N
ClientSampleId :
UST-CONTENT-LIQUID

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.6	168.0	252.0	

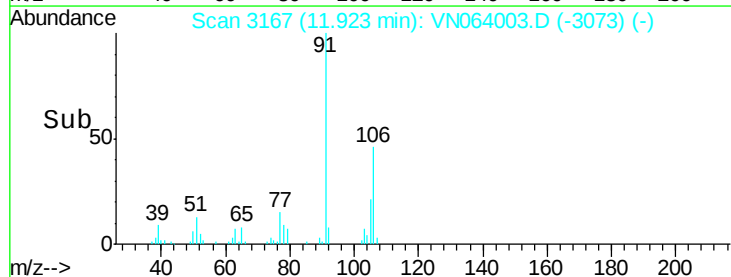
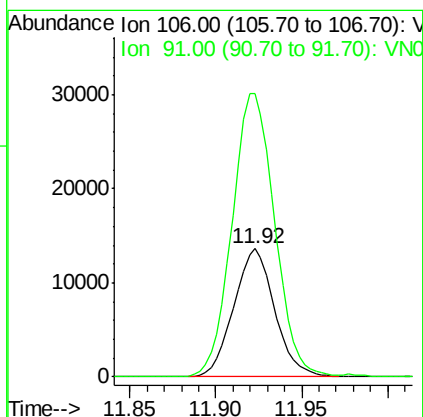
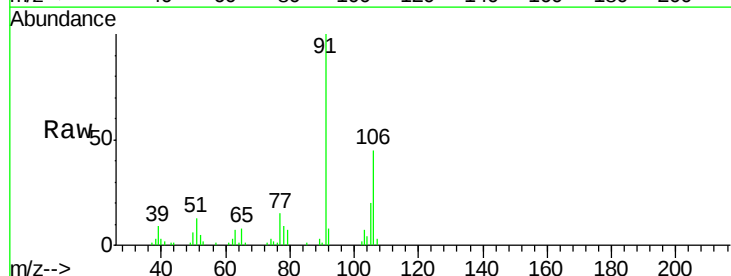
Manual Integrations
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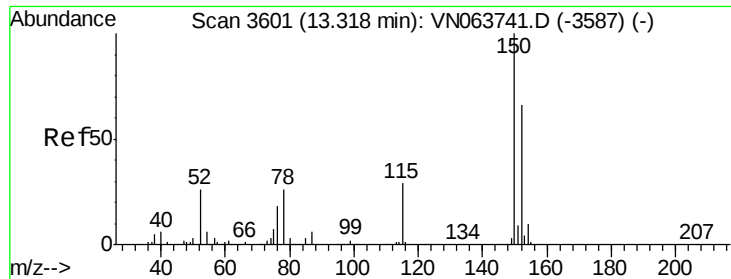
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#69
o-Xylene
Concen: 3.930 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064003.D
Acq: 8 Oct 2020 20:05

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	229.0	112.7	338.0	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064003.D

Acq: 8 Oct 2020 20:05

Instrument :

MSVOA_N

ClientSampleId :

UST-CONTENT-LIQUID

Tot Ion:152 Resp: 231625

Ion Ratio Lower Upper

152 100

115 58.6 31.3 93.8

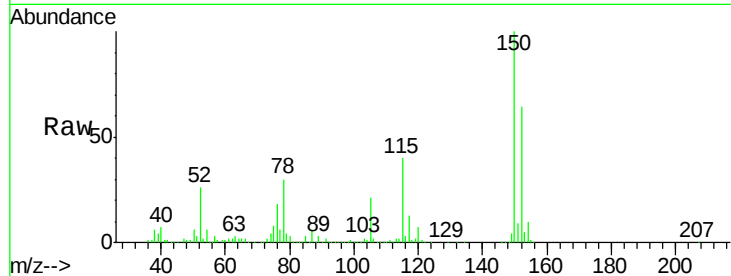
150 156.7 0.0 341.8

Manual Integrations

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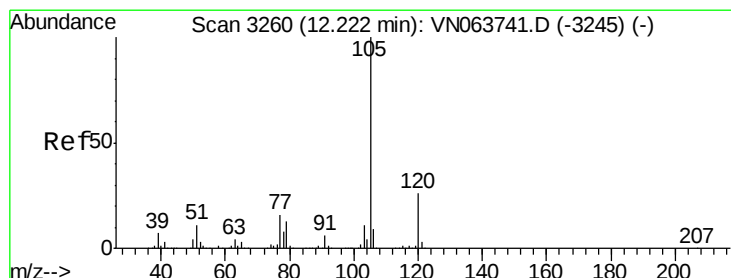
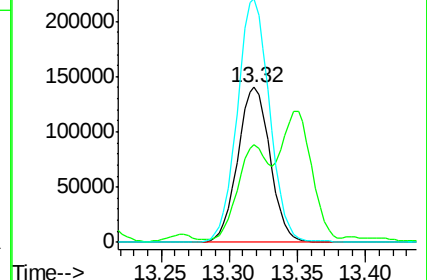
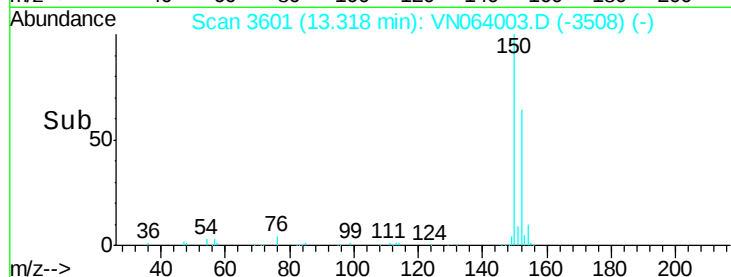
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.763 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064003.D

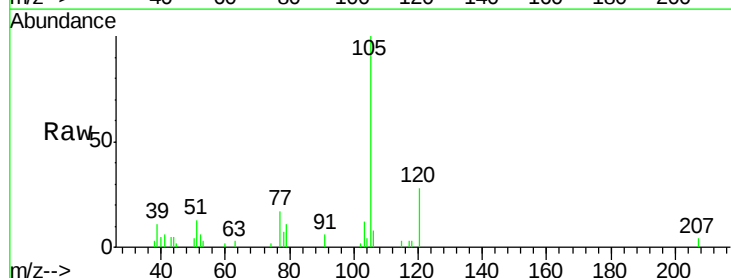
Acq: 8 Oct 2020 20:05

Tgt Ion:105 Resp: 12894

Ion Ratio Lower Upper

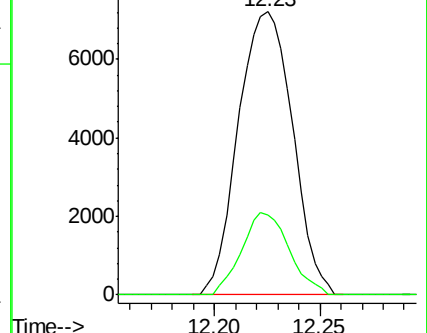
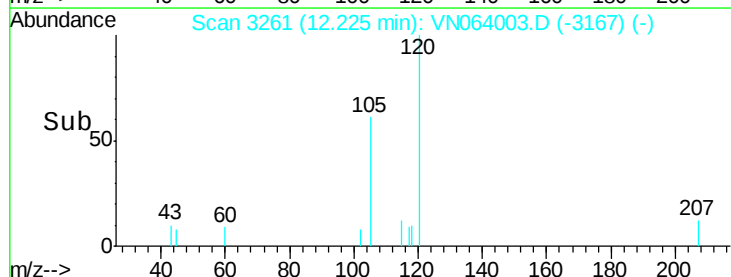
105 100

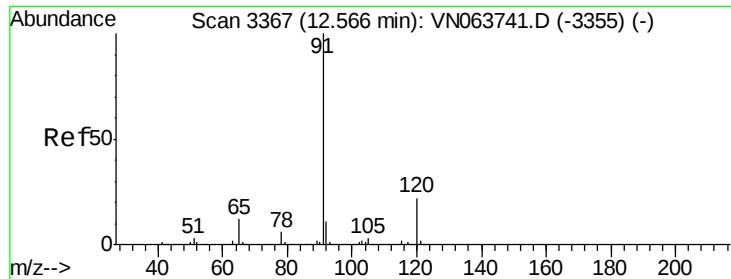
120 25.5 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 8.583 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064003.D

Acq: 8 Oct 2020 20:05

Instrument :

MSVOA_N

ClientSampleId :

UST-CONTENT-LIQUID

Tot Ion: 91 Resp: 168758

Ion Ratio Lower Upper

91 100

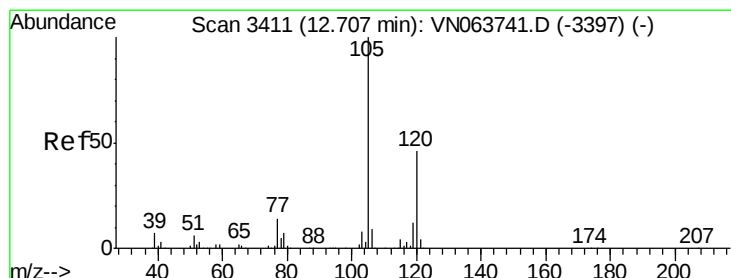
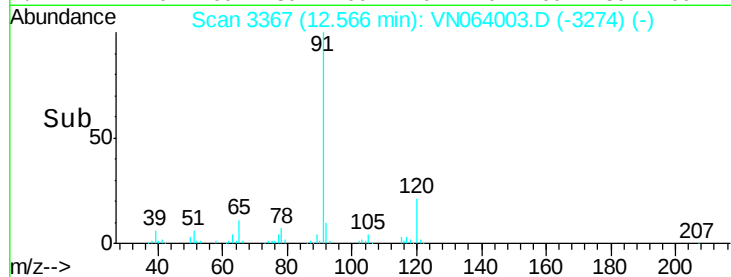
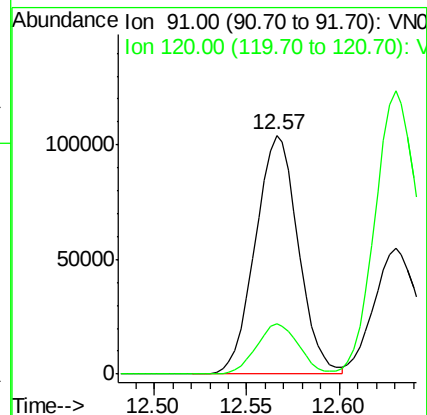
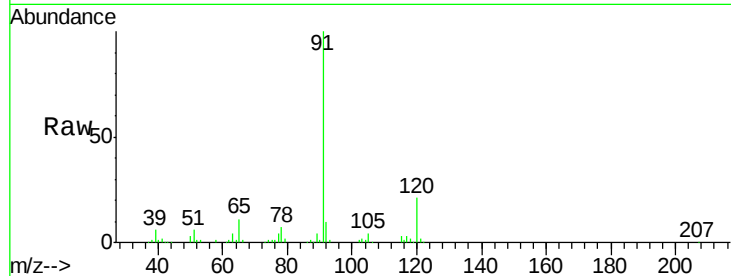
120 20.9 11.1 33.1

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#80

1,3,5-Trimethylbenzene

Concen: 34.445 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064003.D

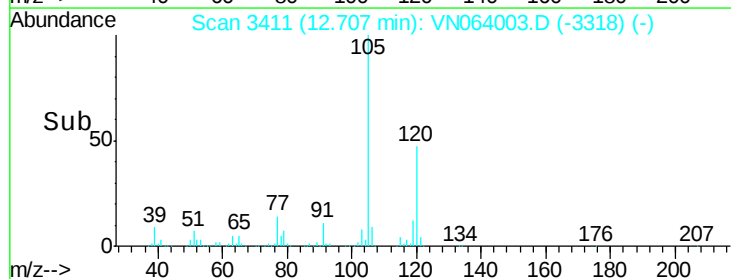
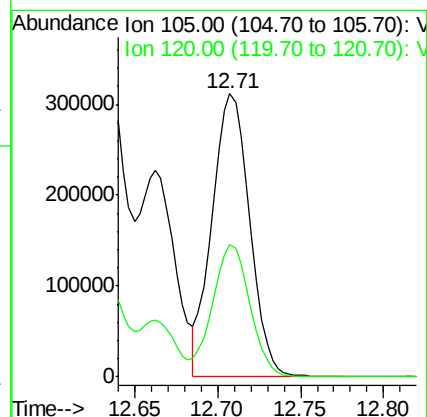
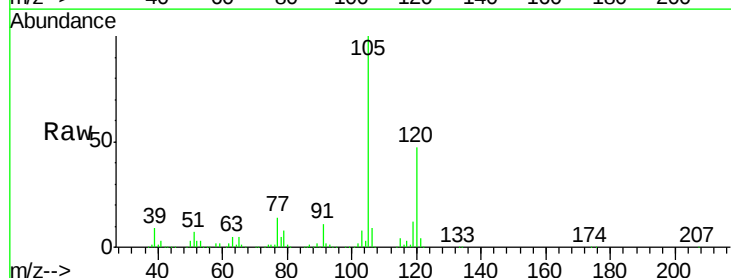
Acq: 8 Oct 2020 20:05

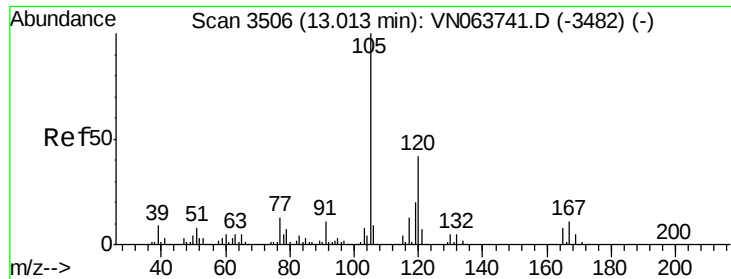
Tgt Ion: 105 Resp: 488204

Ion Ratio Lower Upper

105 100

120 47.1 23.3 69.9





#84

1,2,4-Trimethylbenzene

Concen: 369.762 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN064003.D

Acq: 8 Oct 2020 20:05

Instrument :

MSVOA_N

ClientSampleId :

UST-CONTENT-LIQUID

Tot Ion:105 Resp: 5232535

Ion Ratio Lower Upper

105 100

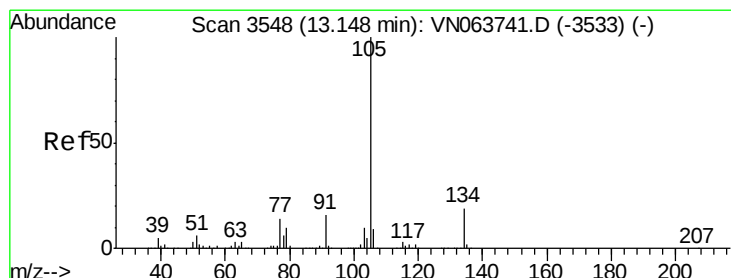
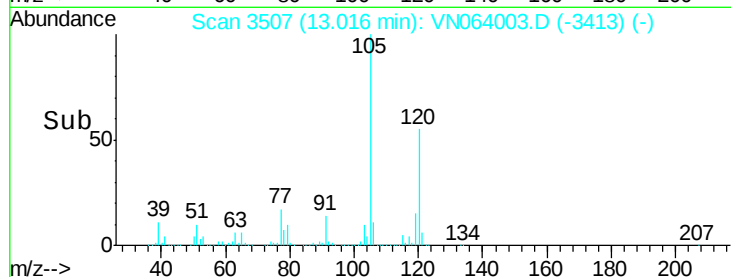
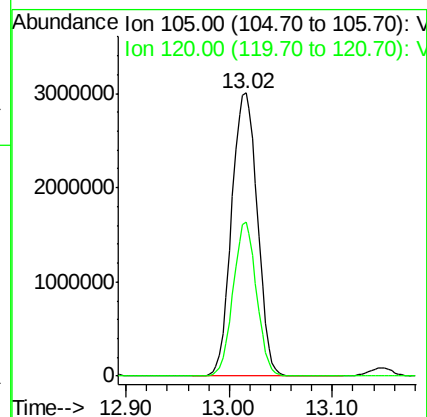
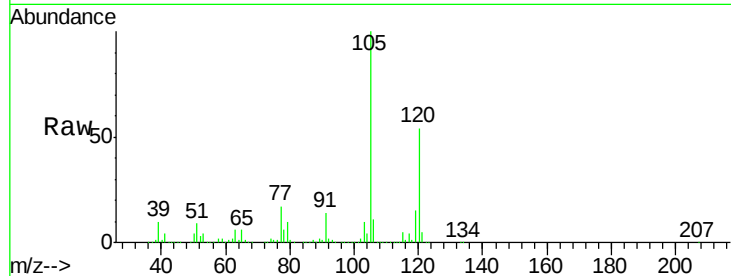
120 49.5 20.9 62.7

Manual Integrations

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#85

sec-Butylbenzene

Concen: 9.761 ug/l m

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064003.D

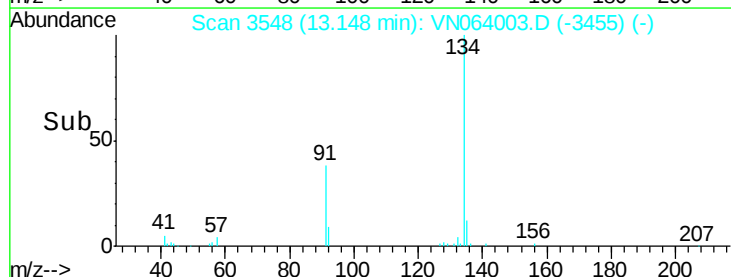
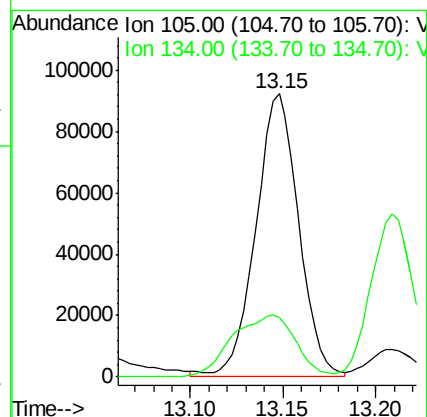
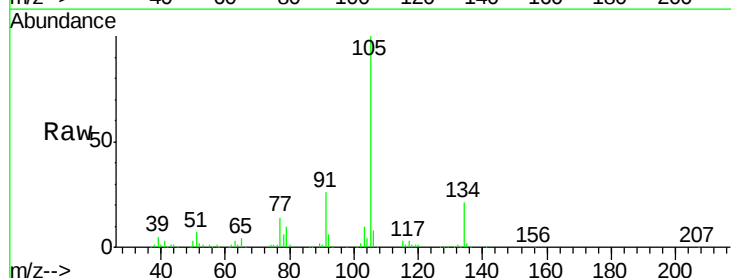
Acq: 8 Oct 2020 20:05

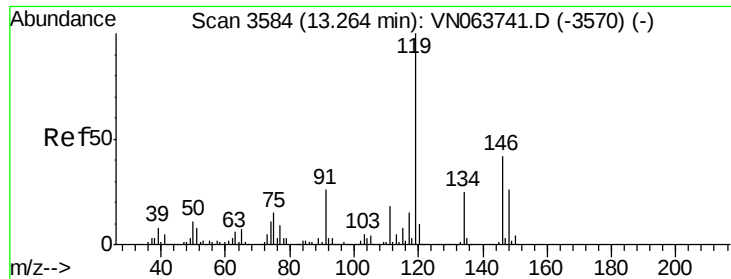
Tgt Ion:105 Resp: 148645

Ion Ratio Lower Upper

105 100

134 0.0 9.5 28.5#





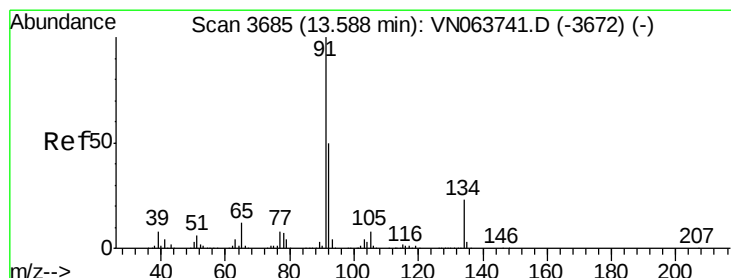
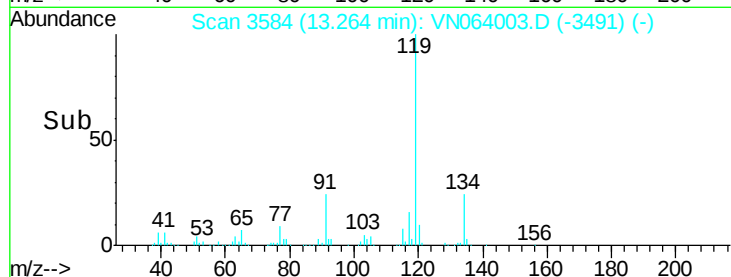
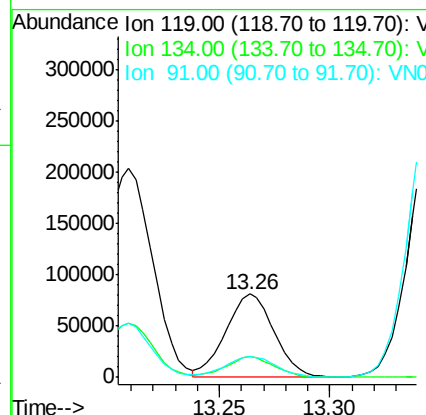
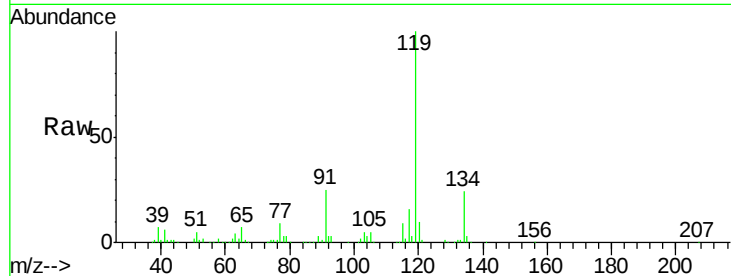
#86
 p-Isopropyltoluene
 Concen: 9.149 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064003.D
 Acq: 8 Oct 2020 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 UST-CONTENT-LIQUID

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.6	37.8
91	25.8	13.4	40.2

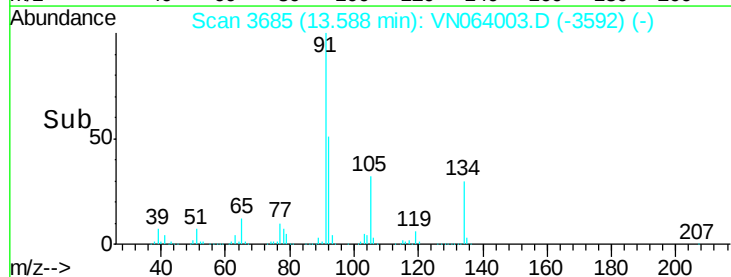
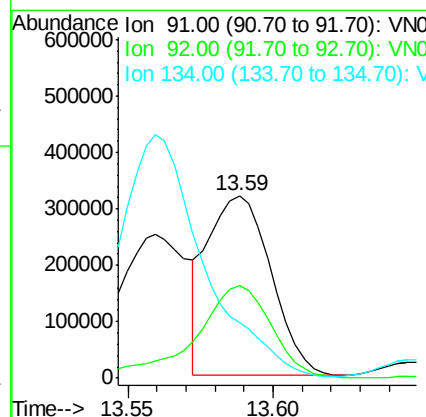
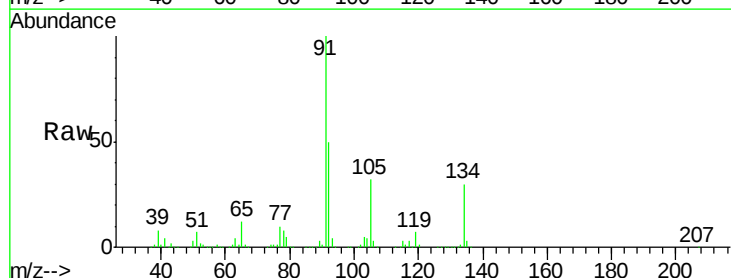
Manual Integrations
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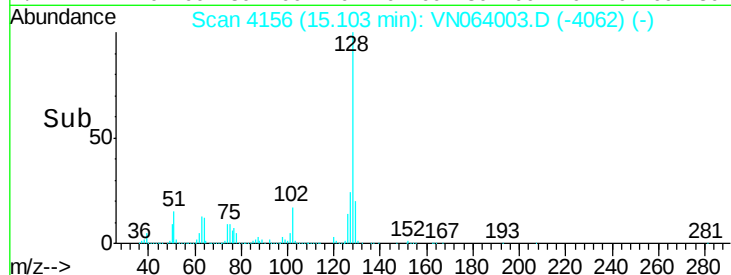
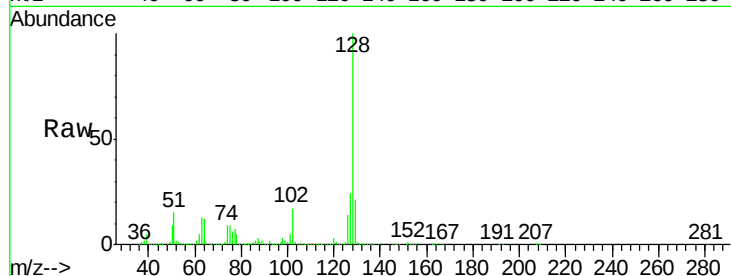
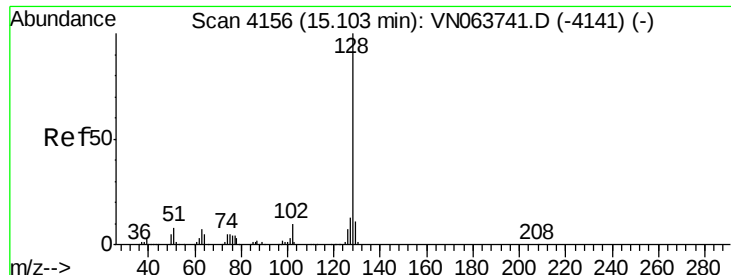
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#89
 n-Butylbenzene
 Concen: 38.790 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN064003.D
 Acq: 8 Oct 2020 20:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.5	25.4	76.4
134	0.0	11.7	35.1#





#95
Naphthalene
Concen: 658.354 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064003.D
Acq: 8 Oct 2020 20:05

Instrument :
MSVOA_N
ClientSampleId :
UST-CONTENT-LIQUID

Tot Ion	Ratio	Lower	Upper
128	100		
127	19.0	10.5	15.7#
129	16.3	8.7	13.1#

Manual Integrations
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