

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112118\
 Data File : VN052449.D
 Acq On : 21 Nov 2018 20:03
 Operator : MD\SY
 Sample : J5996-05 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-01R

Manual Integrations
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 11/26/2018 4:56:45 PM

Quant Time: Nov 22 01:25:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	328935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	543756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	200301	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	239248	51.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.00%	
35) Dibromofluoromethane	7.59	113	175339	49.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.98%	
50) Toluene-d8	10.09	98	694306	50.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.40	95	230270	50.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	8883	6.94	ug/l #	65
20) Methylene Chloride	4.55	84	33922	8.13	ug/l	98
39) Methylcyclohexane	9.08	83	17978	2.89	ug/l #	81
40) Benzene	8.04	78	2680550	172.16	ug/l	98
42) 1,2-Dichloroethane	8.13	62	18003	3.24	ug/l	92
52) Toluene	10.16	92	7103050	762.62	ug/l	98
61) 1,2-Dibromoethane	11.01	107	42851	12.74	ug/l	96
67) Ethyl Benzene	11.51	91	1253245	71.99	ug/l	100
68) m/p-Xylenes	11.62	106	1401260	220.29	ug/l	96
69) o-Xylene	11.95	106	687474	112.75	ug/l	96
73) Isopropylbenzene	12.25	105	57116	3.55	ug/l	100
78) n-propylbenzene	12.59	91	185508	9.85	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	244724	19.11	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	899581	69.97	ug/l	98
85) sec-Butylbenzene	13.17	105	7261m	0.47	ug/l	
95) Naphthalene	15.13	128	132155	20.27	ug/l	99

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

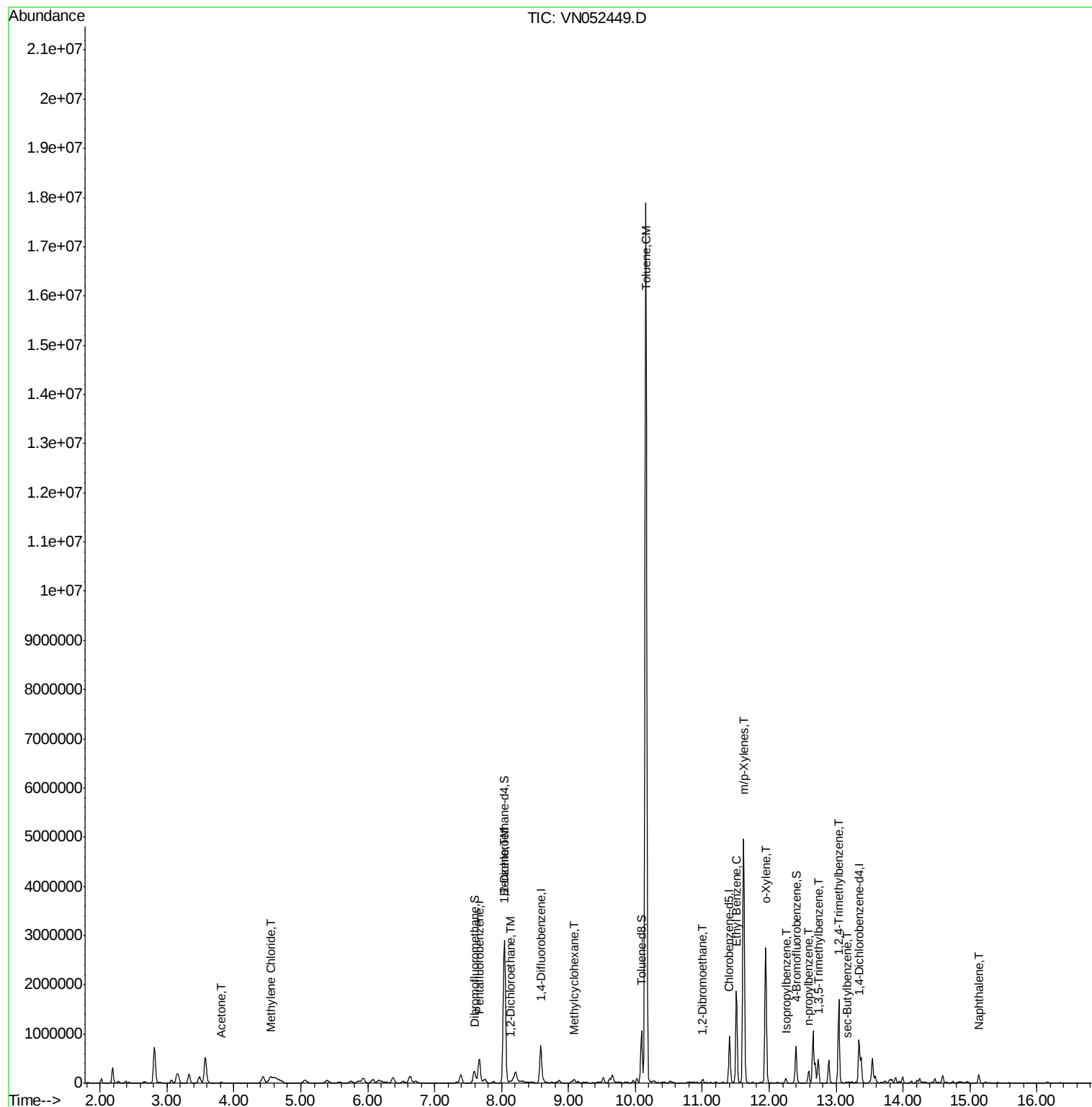
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN112118\
Data File : VN052449.D
Acq On : 21 Nov 2018 20:03
Operator : MD\SY
Sample : J5996-05 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 28

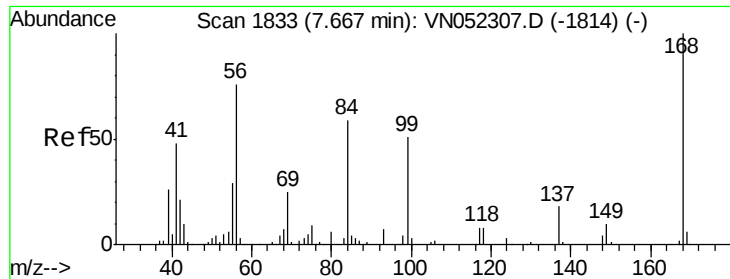
Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

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Quant Time: Nov 22 01:25:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

AOC2-01R

Tgt Ion:168 Resp: 328935

Ion Ratio Lower Upper

168 100

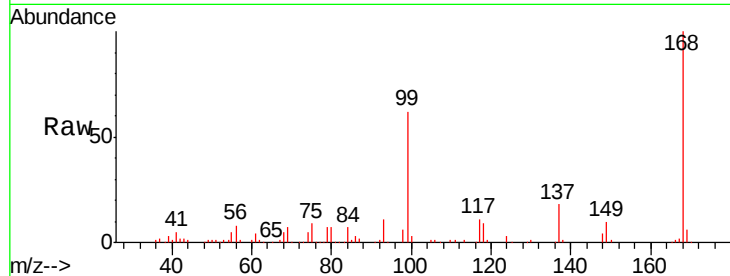
99 62.0 47.9 71.9

Manual Integrations

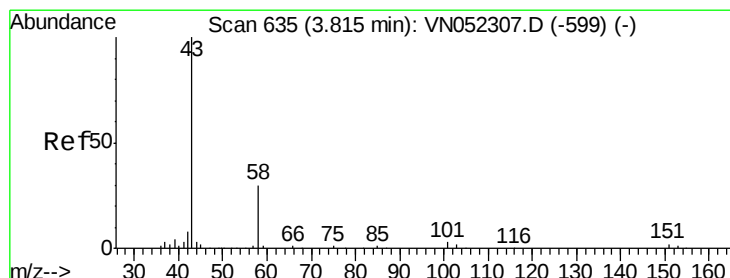
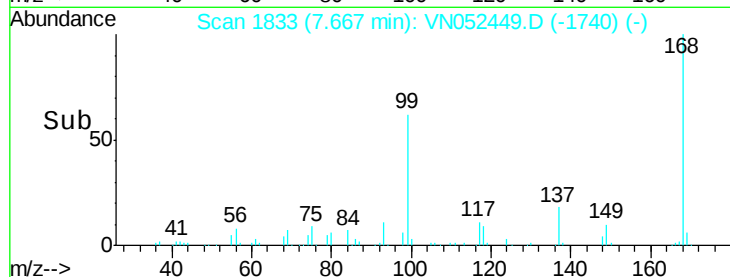
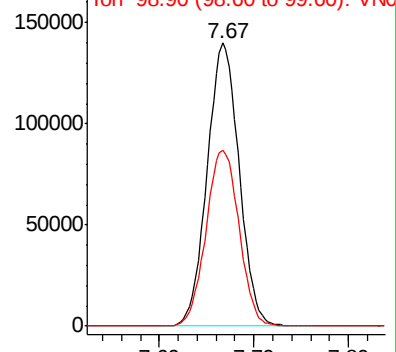
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Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)



#16

Acetone

Concen: 6.94 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052449.D

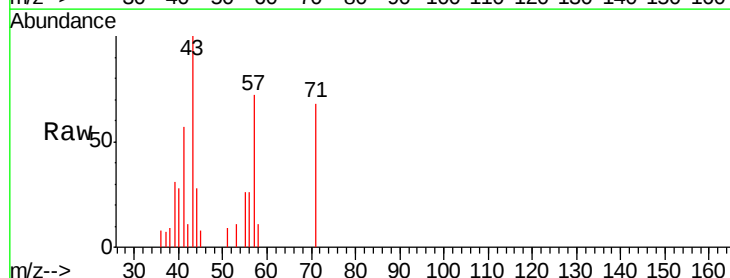
Acq: 21 Nov 2018 20:03

Tgt Ion: 43 Resp: 8883

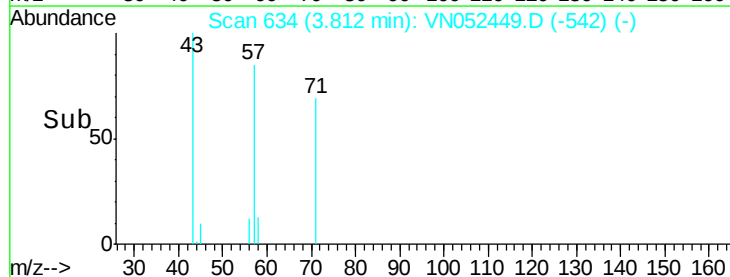
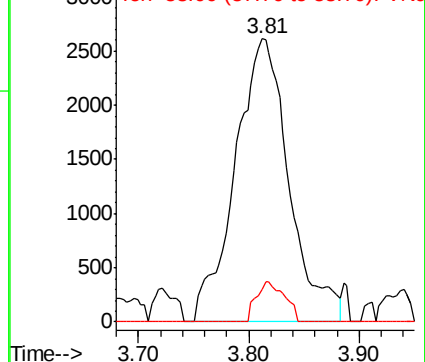
Ion Ratio Lower Upper

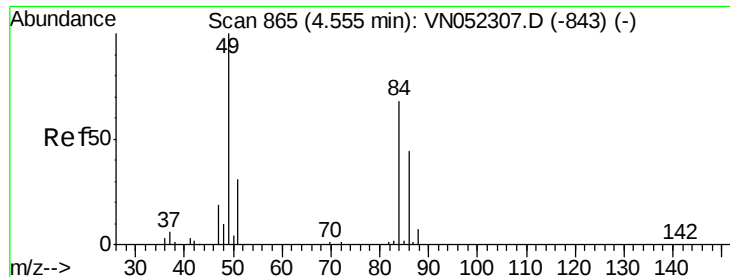
43 100

58 11.3 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)





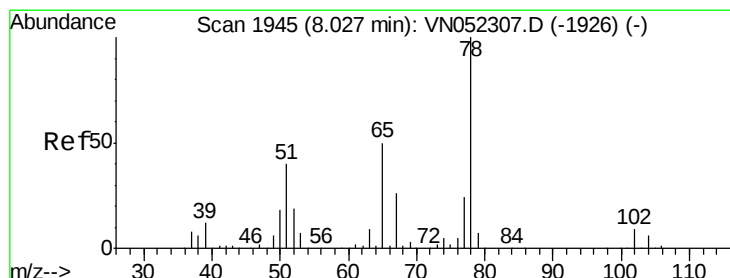
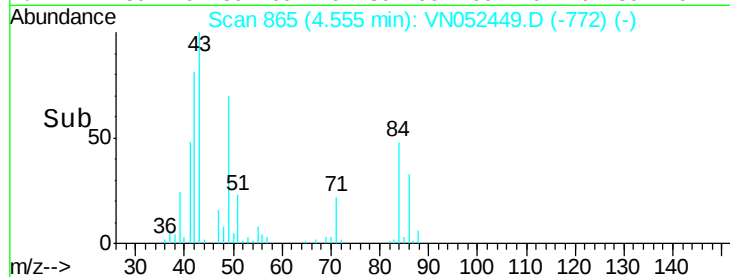
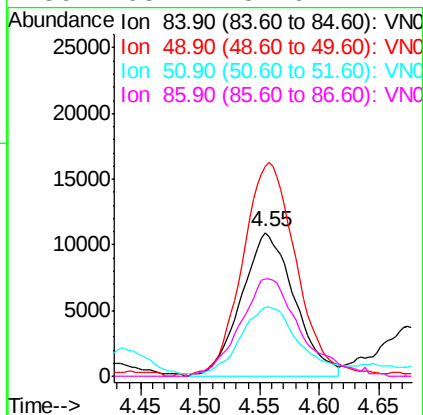
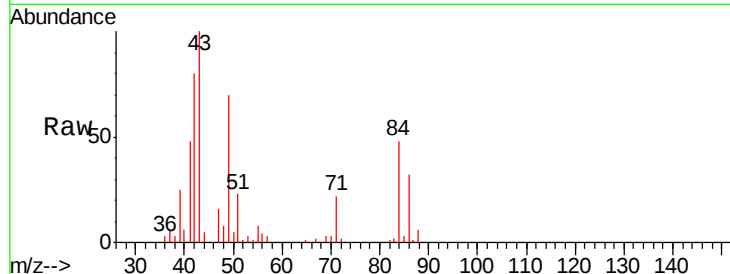
#20
Methylene Chloride
Concen: 8.13 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Instrument :
MSVOA_N
ClientSampled :
AOC2-01R

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.2	118.2	177.2
51	46.6	36.1	54.1
86	68.1	51.6	77.4

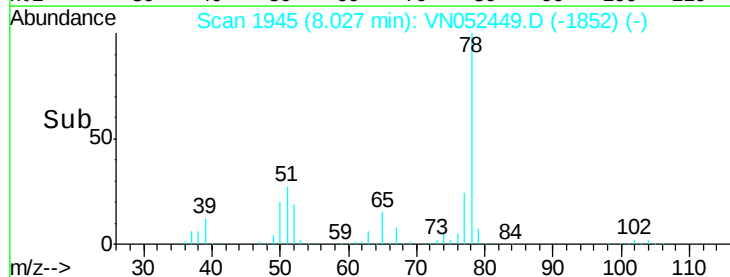
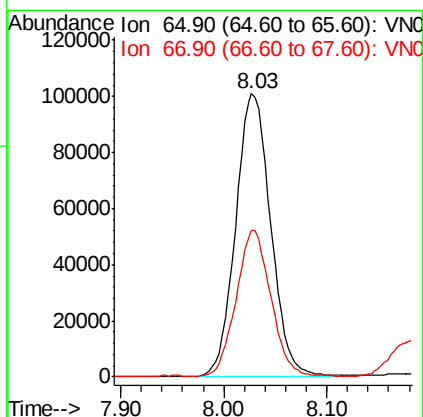
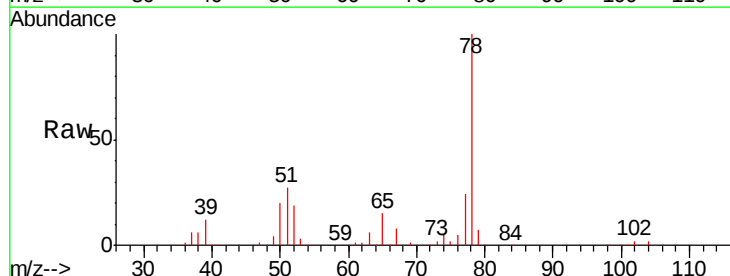
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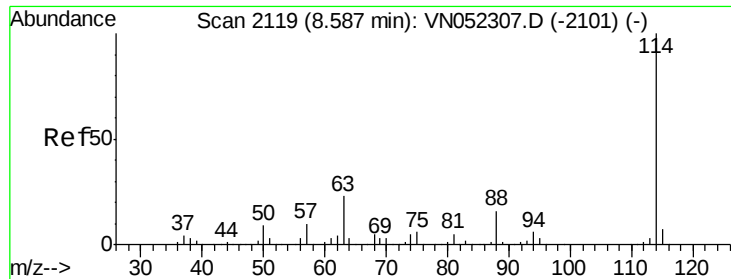
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#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	105.2





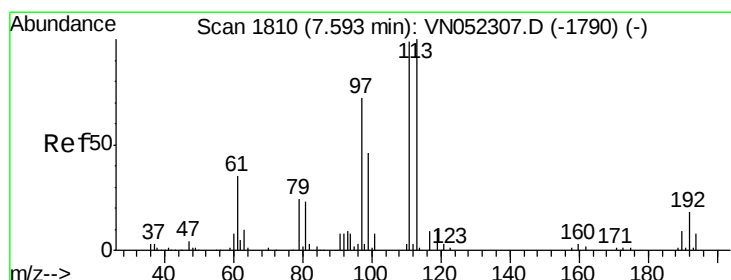
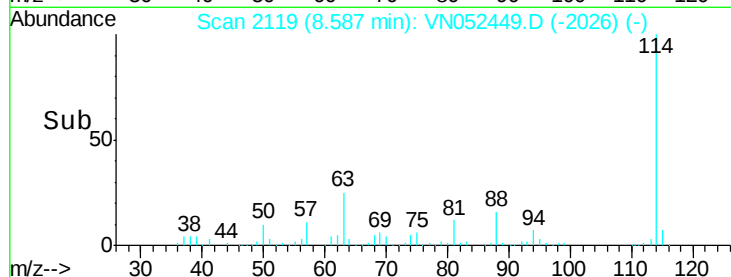
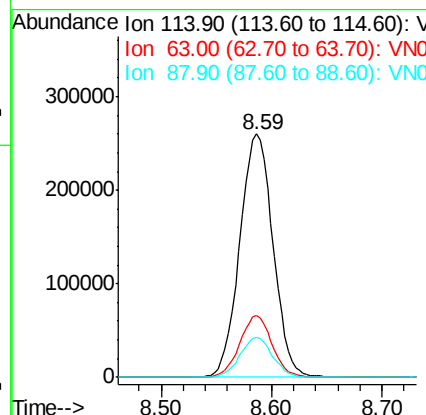
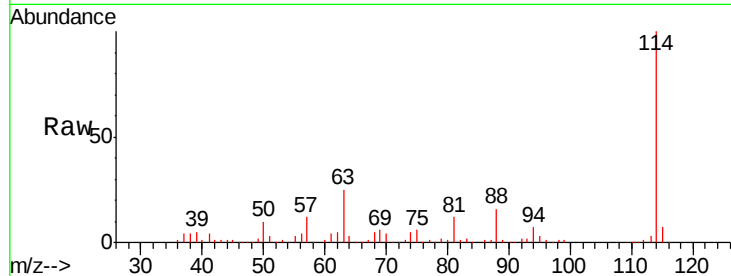
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	25.4	0.0	45.4
88	16.5	0.0	31.2

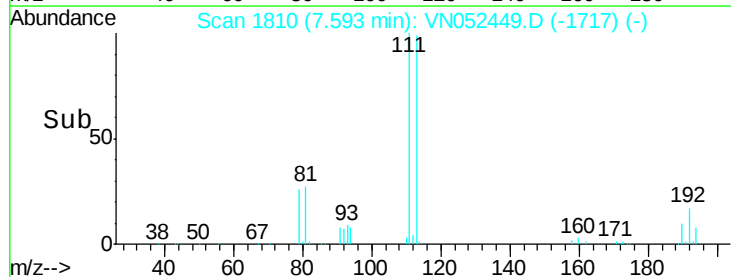
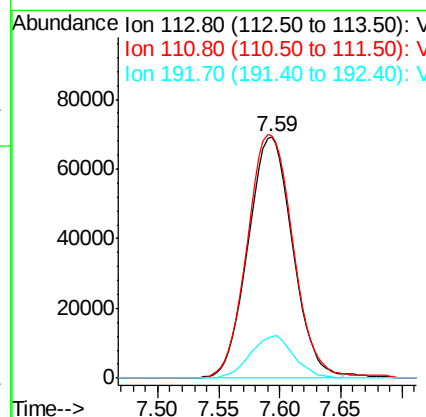
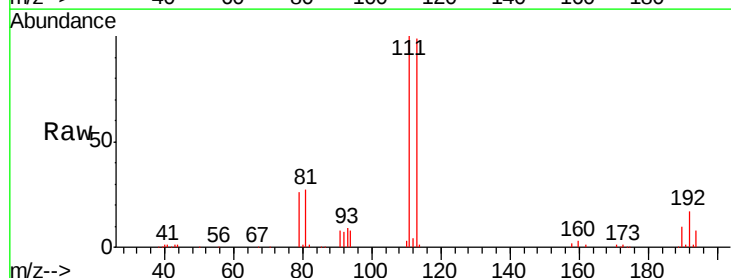
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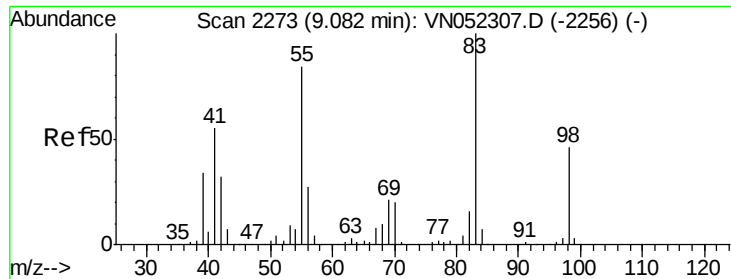
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#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	104.1	81.0	121.6
192	17.1	13.8	20.6





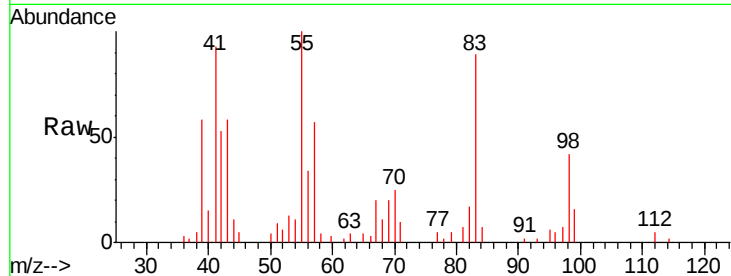
#39
Methylcyclohexane
Concen: 2.89 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

Tgt Ion	Ratio	Lower	Upper
83	100		
55	108.1	66.8	100.2#
98	47.2	36.4	54.6

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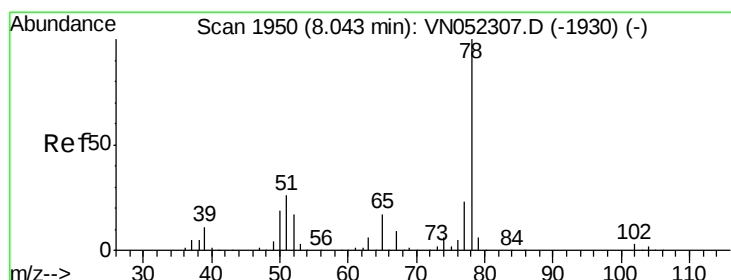
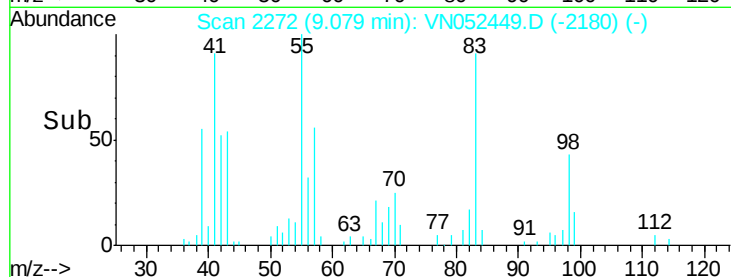
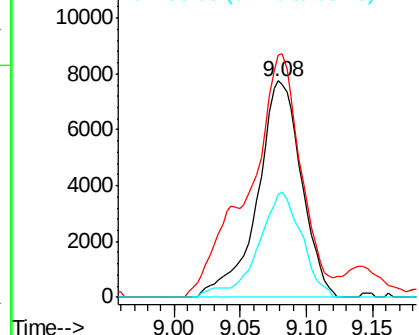
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Abundance Ion 83.00 (82.70 to 83.70): VN052307.D (-2256) (-)

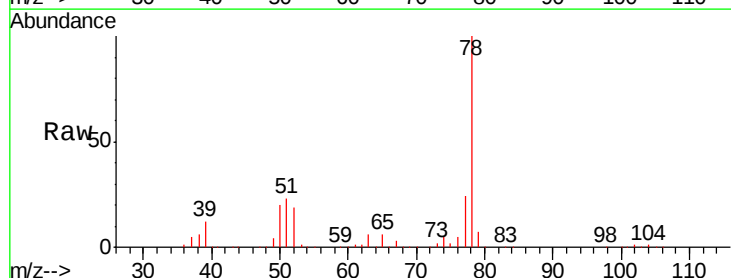
Ion 55.00 (54.70 to 55.70): VN052307.D (-2256) (-)

Ion 98.00 (97.70 to 98.70): VN052307.D (-2256) (-)



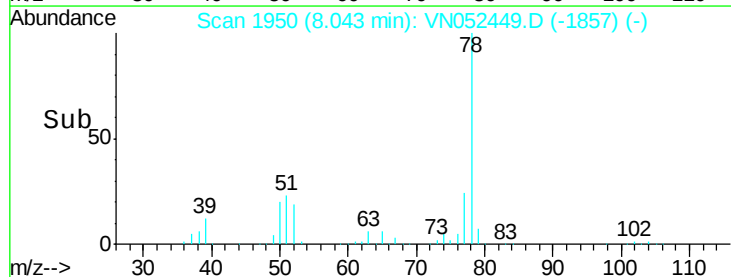
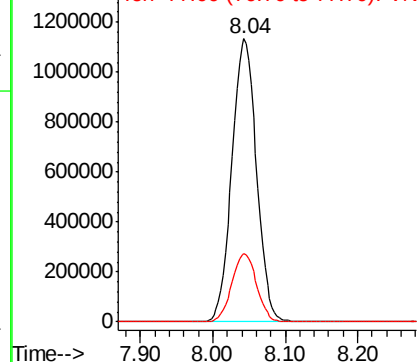
#40
Benzene
Concen: 172.16 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

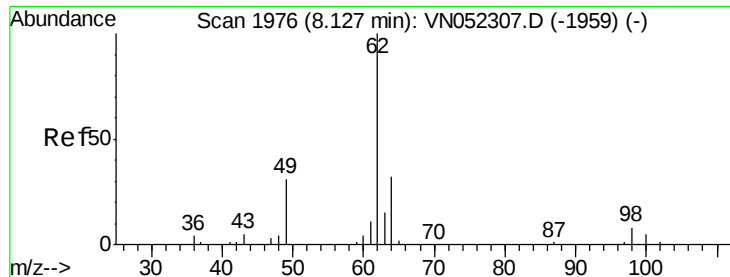
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1



Abundance Ion 78.00 (77.70 to 78.70): VN052307.D (-1930) (-)

Ion 77.00 (76.70 to 77.70): VN052307.D (-1930) (-)





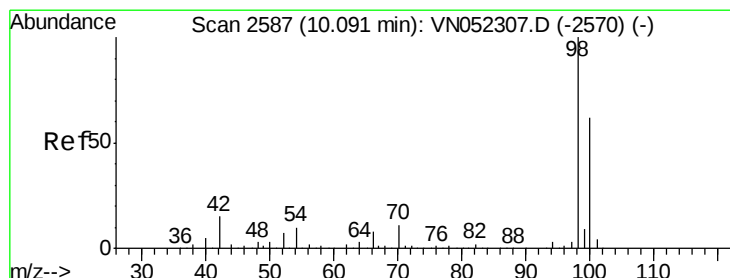
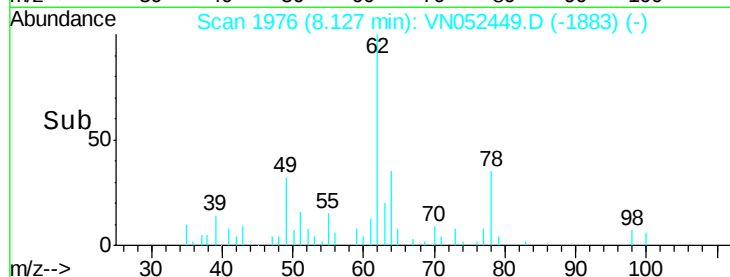
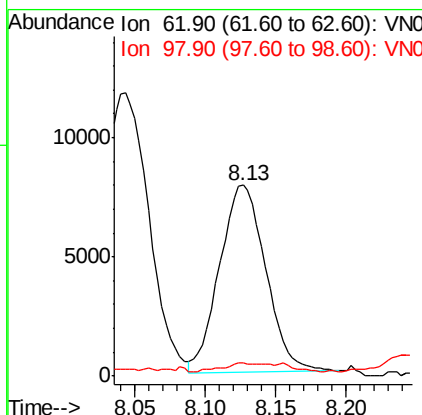
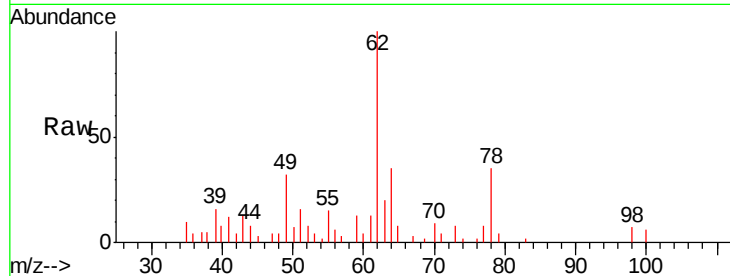
#42
 1,2-Dichloroethane
 Concen: 3.24 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-01R

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	15.6

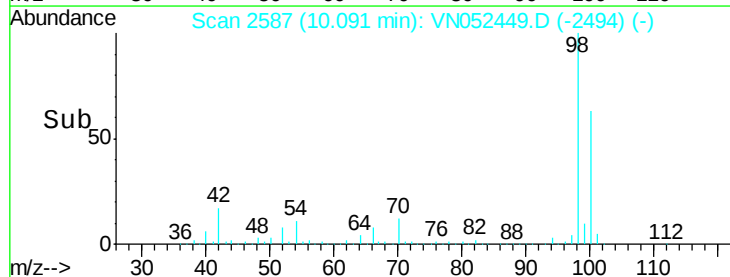
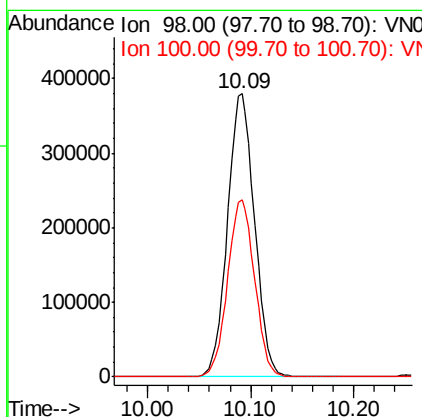
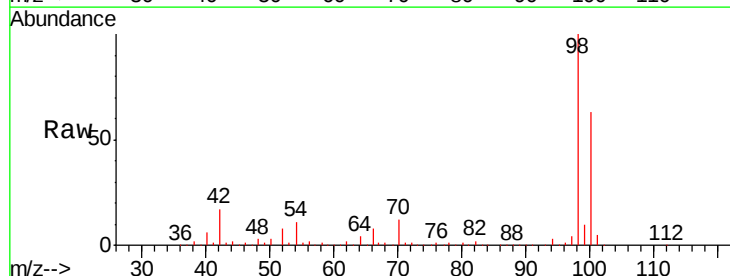
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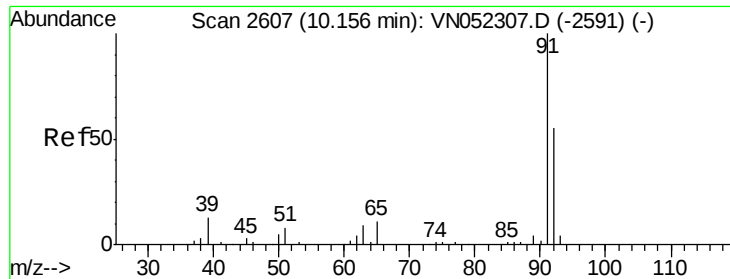
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#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	49.5	74.3





#52

Toluene

Concen: 762.62 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

AOC2-01R

Tgt Ion: 92 Resp: 7103050

Ion Ratio Lower Upper

92 100

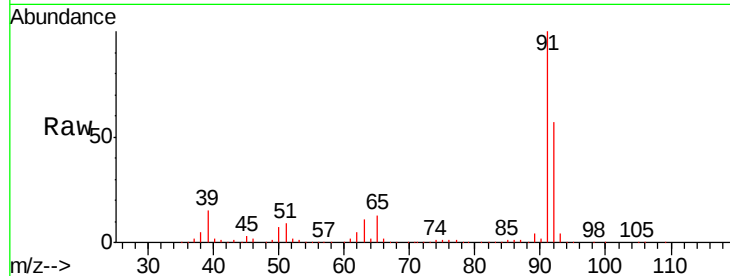
91 176.9 143.6 215.4

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Abundance Ion 92.00 (91.70 to 92.70): VN052307.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052307.D (-2591) (-)

8000000

6000000

4000000

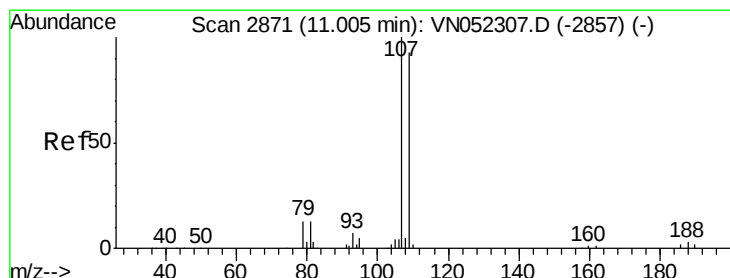
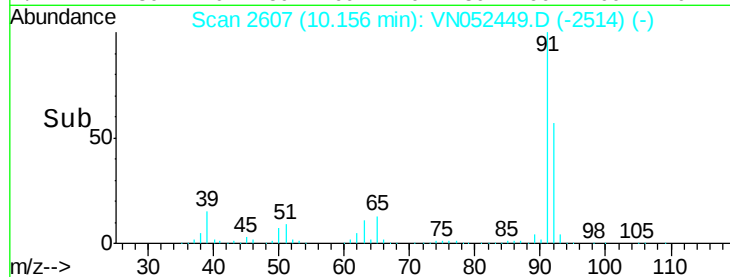
2000000

0

10.16

10.10 10.15 10.20 10.25 10.30

Time-->



#61

1,2-Dibromoethane

Concen: 12.74 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052449.D

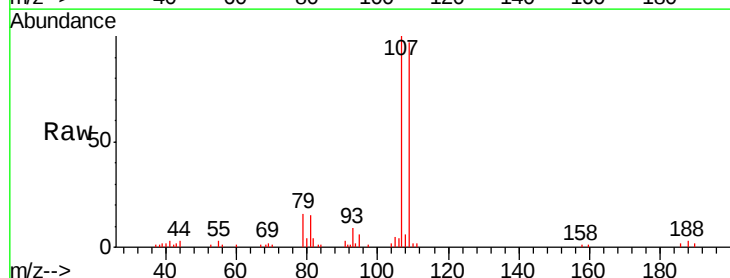
Acq: 21 Nov 2018 20:03

Tgt Ion: 107 Resp: 42851

Ion Ratio Lower Upper

107 100

109 97.9 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): VN052307.D (-2857) (-)

Ion 108.80 (108.50 to 109.50): VN052307.D (-2857) (-)

25000

20000

15000

10000

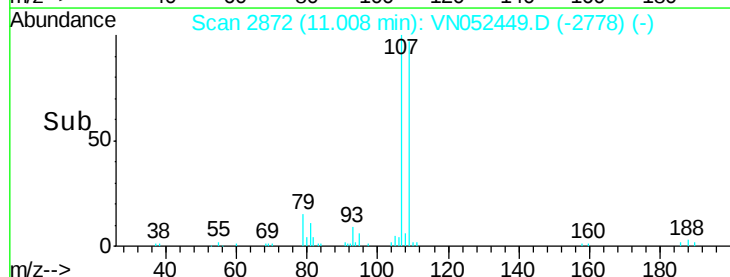
5000

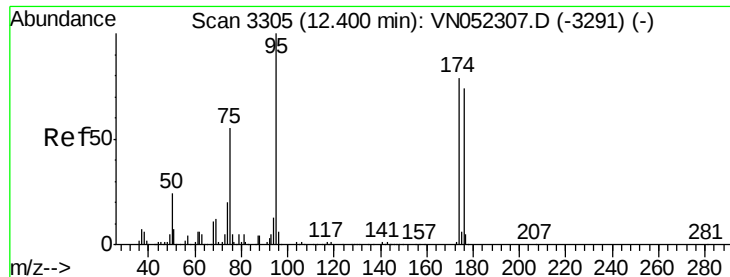
0

11.01

10.95 11.00 11.05 11.10

Time-->





#62

4-Bromofluorobenzene

Concen: 12.74 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

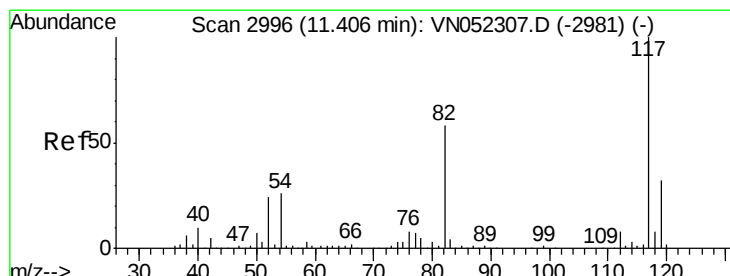
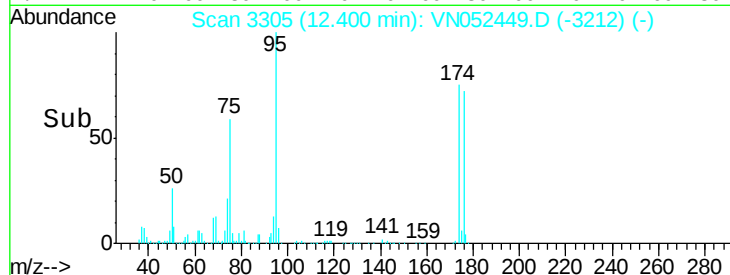
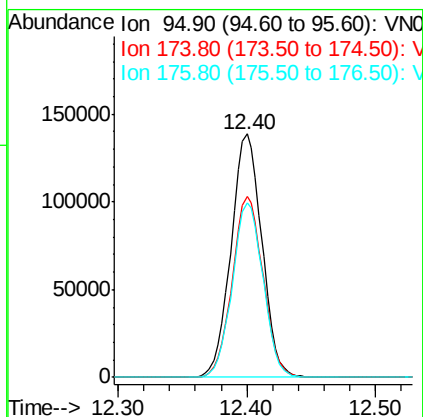
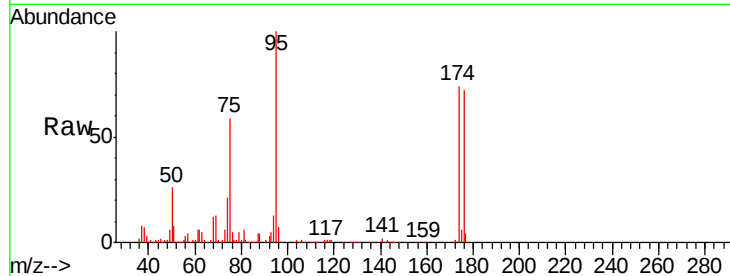
ClientSampleId :

AOC2-01R

Tgt Ion:	95	Resp:	230270
Ion Ratio	Lower	Upper	
95	100		
174	74.3	0.0	156.0
176	71.5	0.0	148.4

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

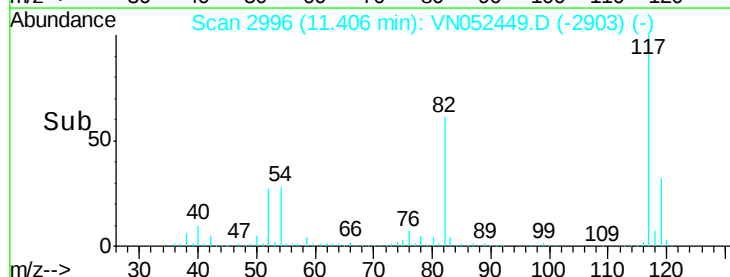
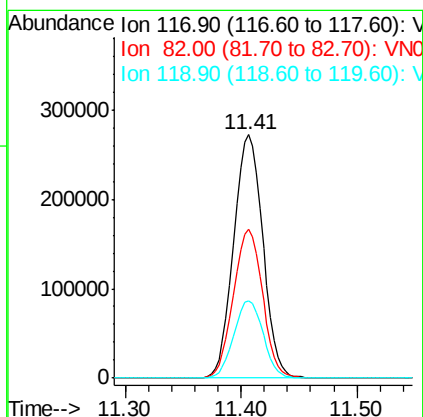
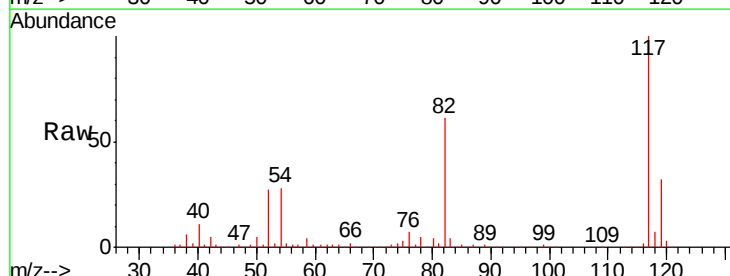
RT: 11.41 min Scan# 2996

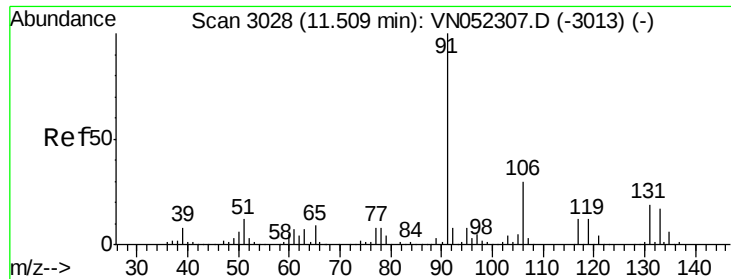
Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Tgt Ion:	117	Resp:	474534
Ion Ratio	Lower	Upper	
117	100		
82	61.0	46.5	69.7
119	31.9	25.7	38.5





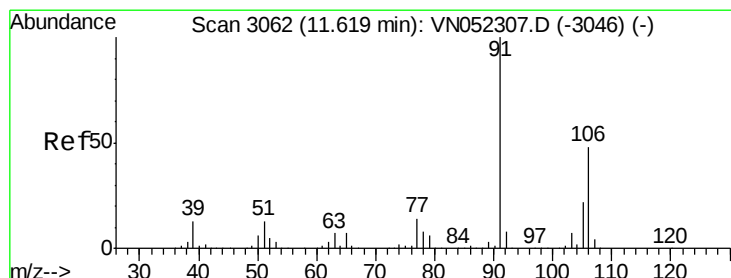
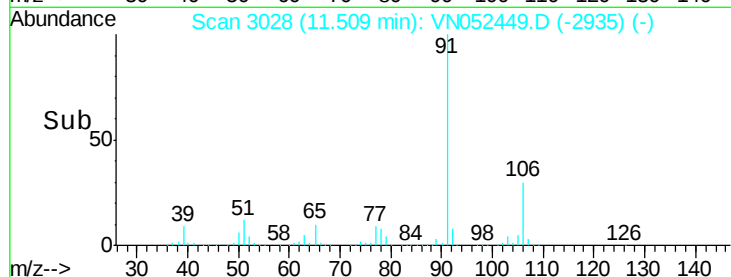
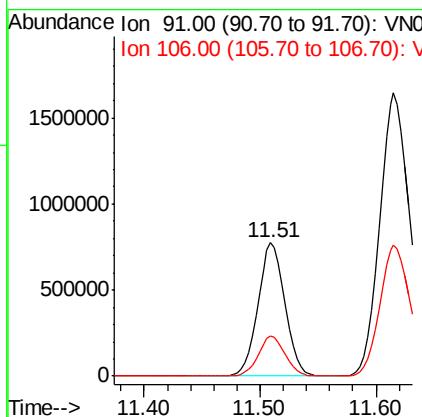
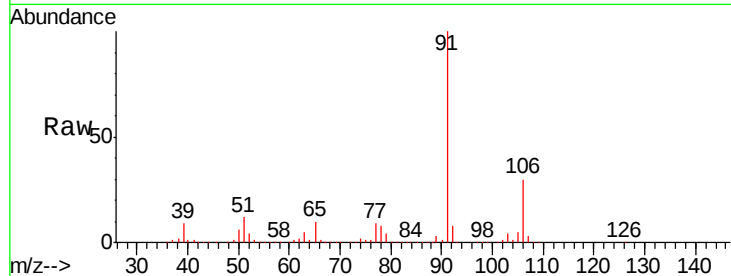
#67
Ethyl Benzene
Concen: 71.99 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

Tgt Ion: 91 Resp: 1253245
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.2

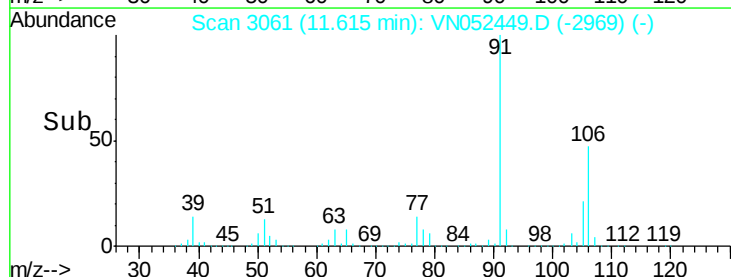
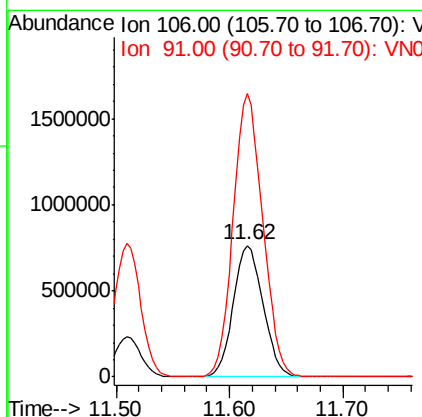
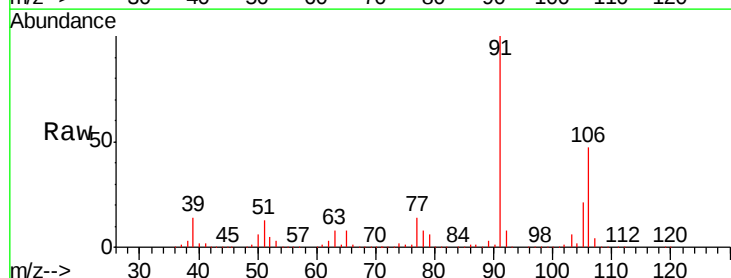
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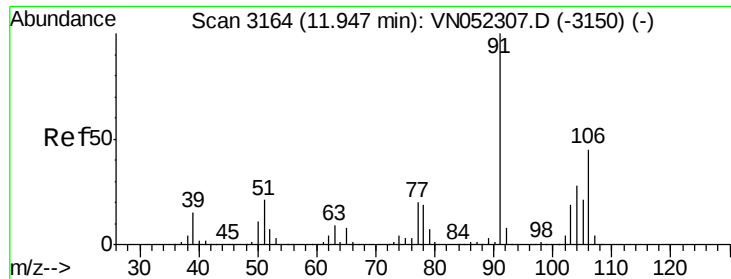
MMDadoda
11/26/2018 4:56:45 PM



#68
m/p-Xylenes
Concen: 220.29 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Tgt Ion: 106 Resp: 1401260
Ion Ratio Lower Upper
106 100
91 213.4 165.5 248.3





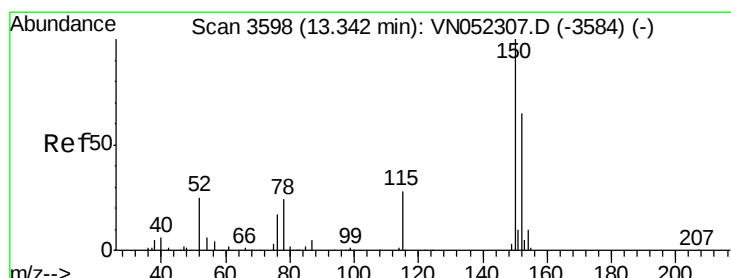
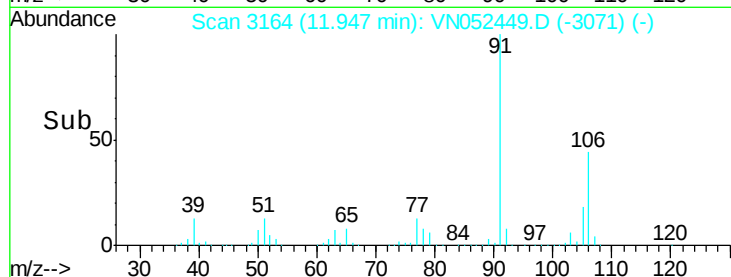
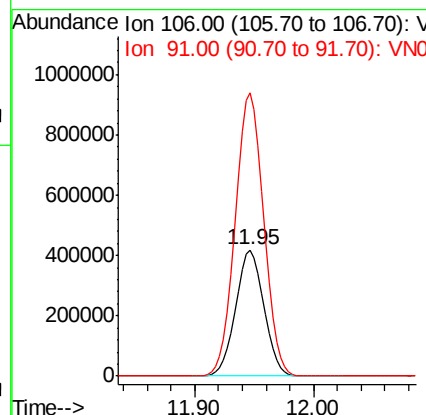
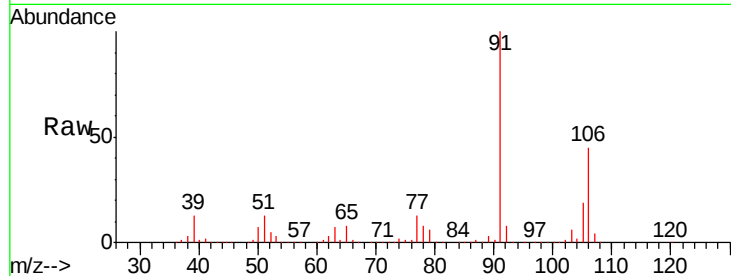
#69
o-Xylene
Concen: 112.75 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

Tgt Ion:106 Resp: 687474
Ion Ratio Lower Upper
106 100
91 226.4 110.0 330.0

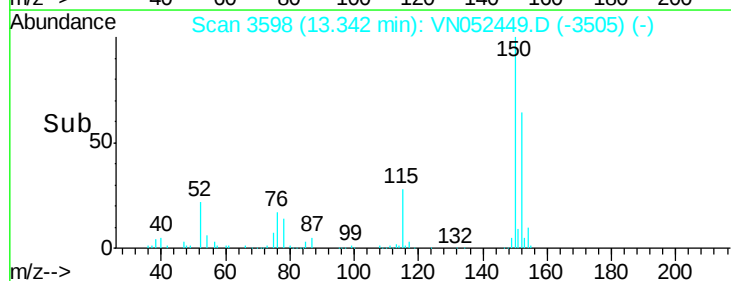
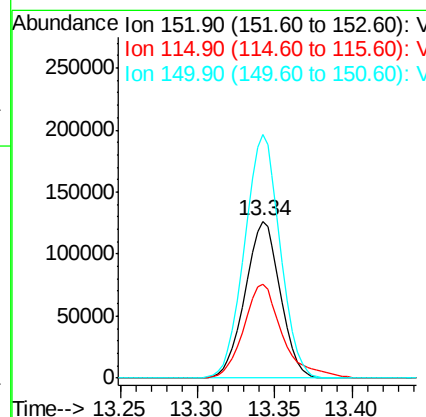
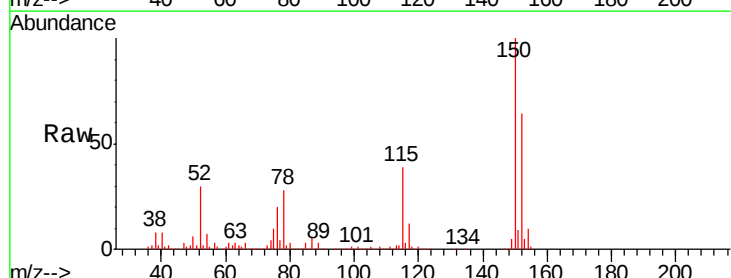
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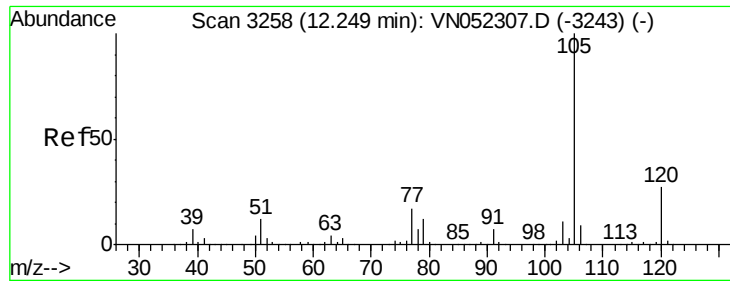
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052449.D
Acq: 21 Nov 2018 20:03

Tgt Ion:152 Resp: 200301
Ion Ratio Lower Upper
152 100
115 65.2 30.3 91.0
150 156.4 0.0 348.2





#73

Isopropylbenzene

Concen: 3.55 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

AOC2-01R

Tgt Ion: 105 Resp: 57116

Ion Ratio Lower Upper

105 100

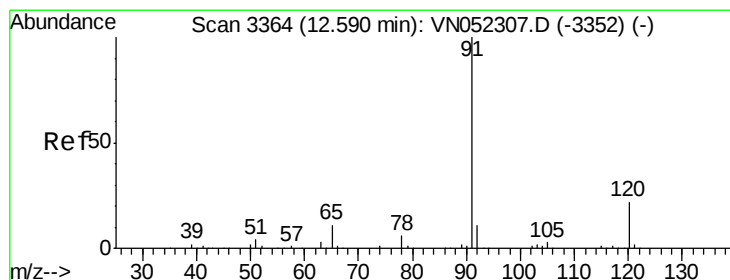
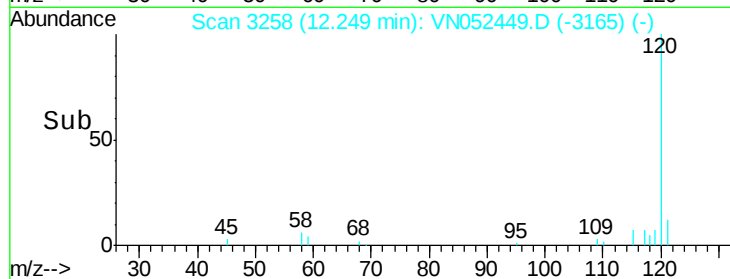
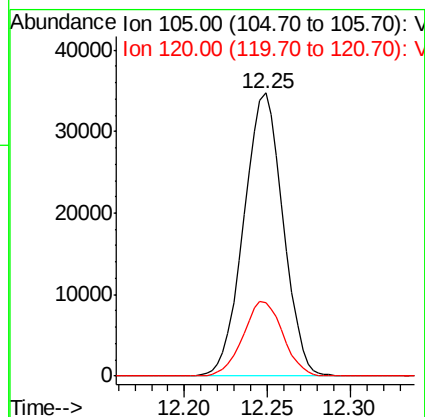
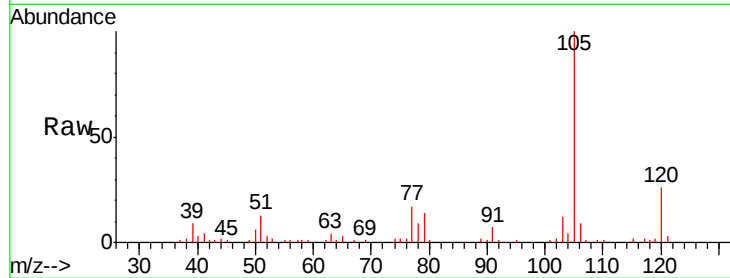
120 26.8 13.4 40.1

Manual Integrations

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#78

n-propylbenzene

Concen: 9.85 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052449.D

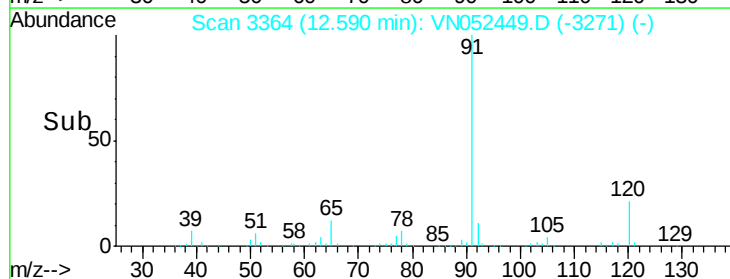
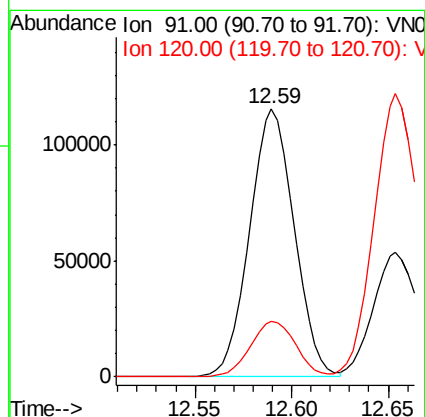
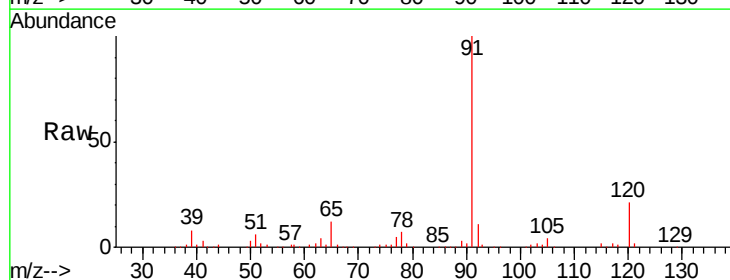
Acq: 21 Nov 2018 20:03

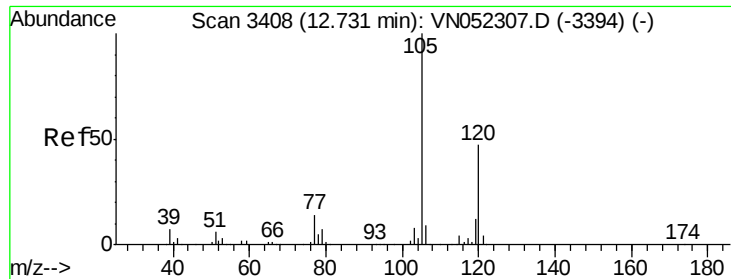
Tgt Ion: 91 Resp: 185508

Ion Ratio Lower Upper

91 100

120 21.0 11.1 33.1





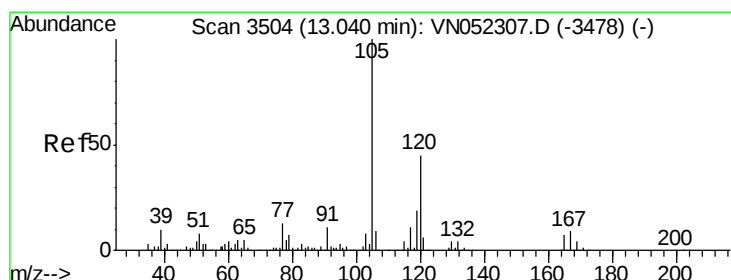
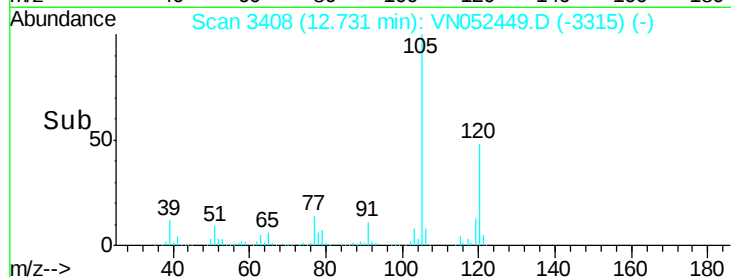
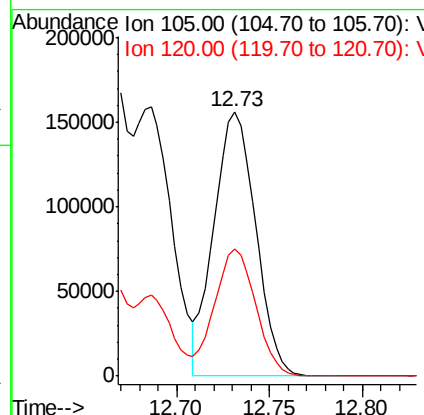
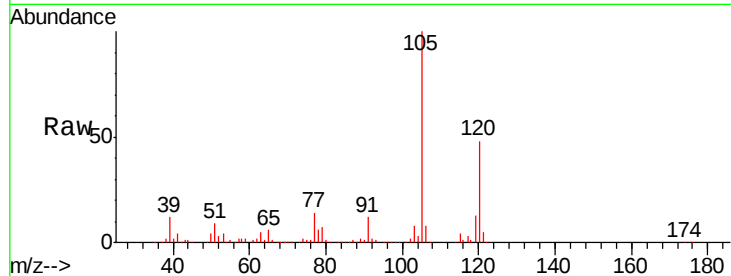
#80
 1,3,5-Trimethylbenzene
 Concen: 19.11 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Instrument :
 MSVOA_N
 ClientSampled :
 AOC2-01R

Tgt Ion:105 Resp: 244724
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.7 71.1

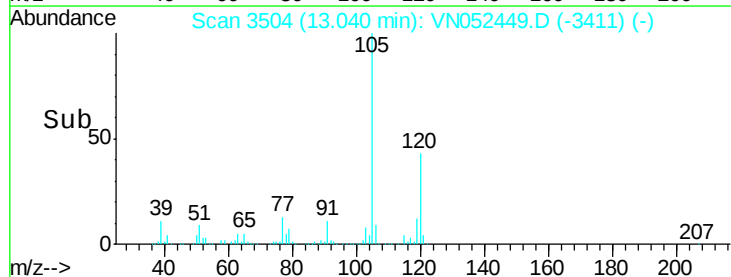
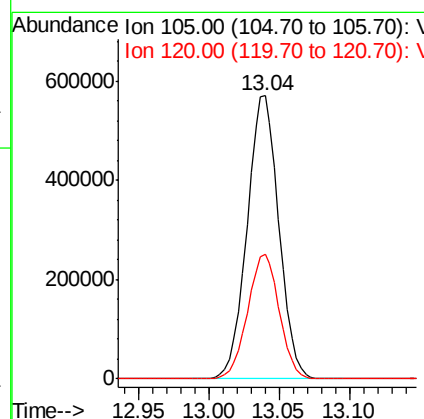
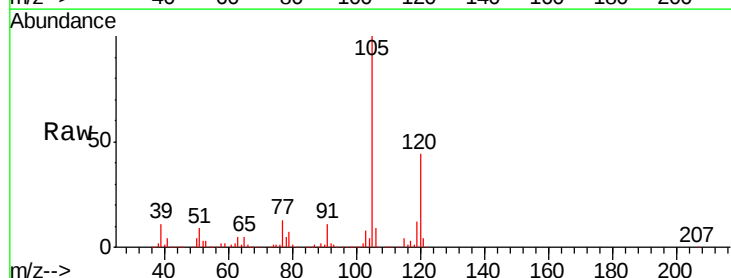
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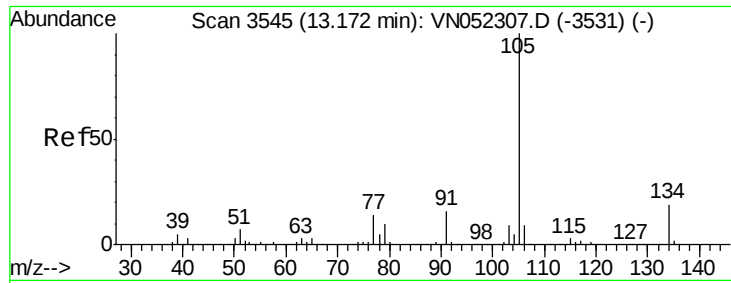
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#84
 1,2,4-Trimethylbenzene
 Concen: 69.97 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052449.D
 Acq: 21 Nov 2018 20:03

Tgt Ion:105 Resp: 899581
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.5 67.5





#85

sec-Butylbenzene

Concen: 0.47 ug/l m

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

Instrument :

MSVOA_N

ClientSampled :

AOC2-01R

Tgt Ion:105 Resp: 7261

Ion Ratio Lower Upper

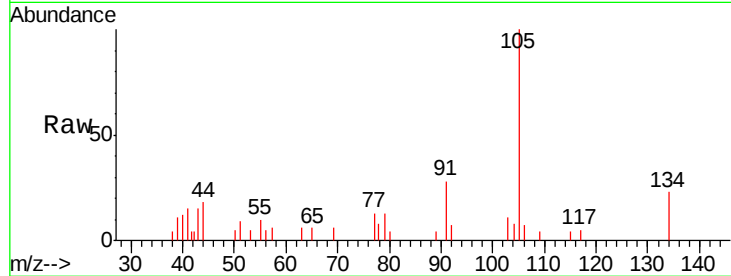
105 100

134 0.0 9.5 28.5#

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

4000

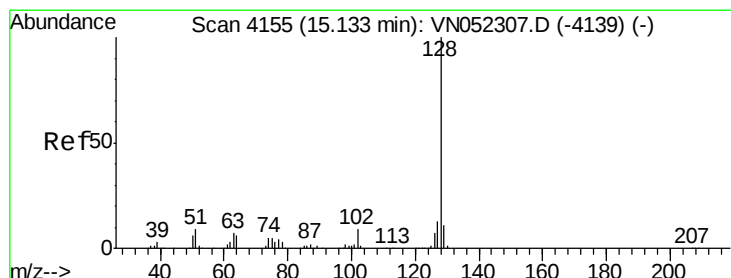
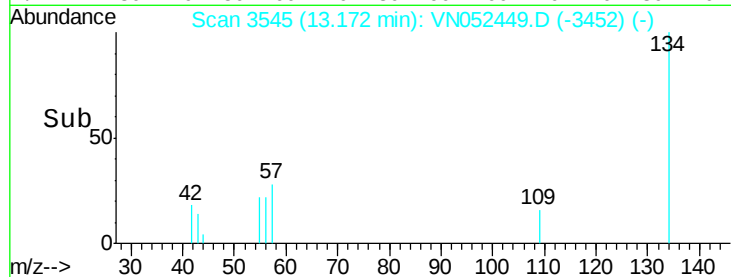
3000

2000

1000

0

Time--> 13.10 13.15 13.20



#95

Naphthalene

Concen: 20.27 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052449.D

Acq: 21 Nov 2018 20:03

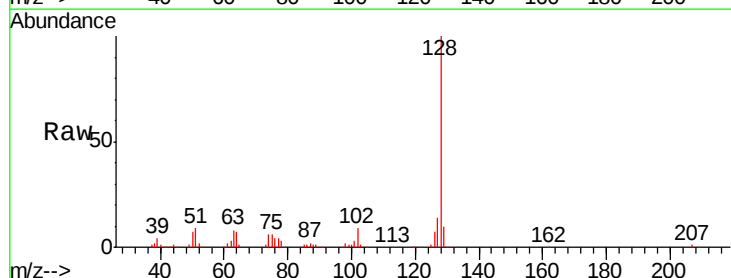
Tgt Ion:128 Resp: 132155

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 10.8 8.6 13.0



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

15.13

100000

80000

60000

40000

20000

0

Time--> 15.05 15.10 15.15 15.20

