

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055349.D
 Acq On : 2 May 2019 14:39
 Operator : JC/SP
 Sample : K2658-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-E1-6

Manual Integrations
 APPROVED

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 5/3/2019 1:09:48 PM

Quant Time: May 03 17:26:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	341931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	610156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	572128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	243052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	241724	54.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.08%	
35) Dibromofluoromethane	7.59	113	194842	48.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.30%	
50) Toluene-d8	10.09	98	746682	51.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.40	95	273934	60.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.22%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.06	50	9016	1.738	ug/l	98
16) Acetone	3.82	43	36920	26.489	ug/l	92
25) 2-Butanone	6.84	43	43897	24.627	ug/l	100
40) Benzene	8.04	78	17327	1.006	ug/l	98
64) Tetrachloroethene	10.63	164	3079	0.658	ug/l	86
67) Ethyl Benzene	11.51	91	37805	1.872	ug/l	96
68) m/p-Xylenes	11.62	106	59720	8.283	ug/l	99
69) o-Xylene	11.95	106	12568	1.759	ug/l	81
73) Isopropylbenzene	12.25	105	3161282	171.122	ug/l	100
78) n-propylbenzene	12.59	91	954611	38.236	ug/l	99
83) tert-Butylbenzene	12.99	119	329838	22.877	ug/l	97
84) 1,2,4-Trimethylbenzene	13.03	105	15416484	904.652	ug/l	96
85) sec-Butylbenzene	13.17	105	1362139	65.771	ug/l #	77
86) p-Isopropyltoluene	13.29	119	657191	38.608	ug/l	99
89) n-Butylbenzene	13.61	91	308466m	25.502	ug/l	
95) Naphthalene	15.13	128	148583	23.858	ug/l	99

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

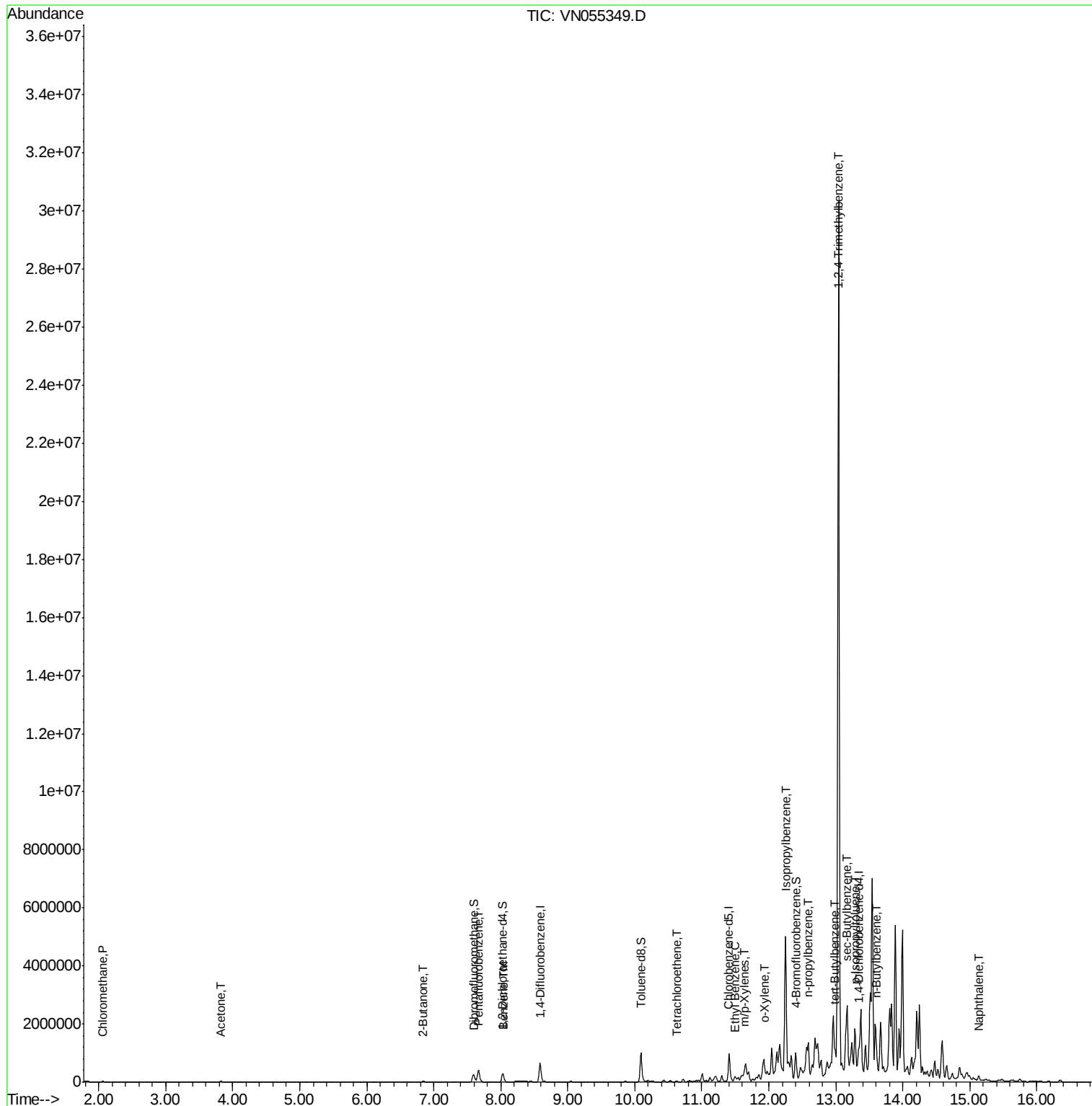
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
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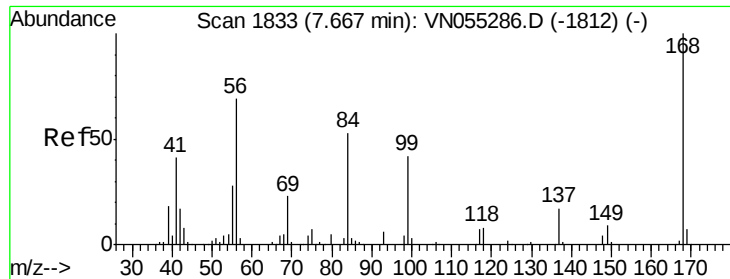
Instrument :
MSVOA_N
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Quant Time: May 03 17:26:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-E1-6

Tgt Ion:168 Resp: 341931

Ion Ratio Lower Upper

168 100

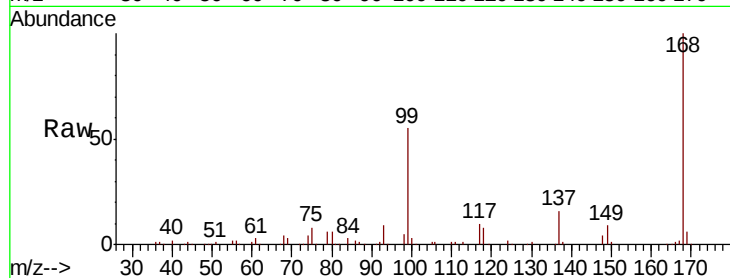
99 55.5 43.6 65.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

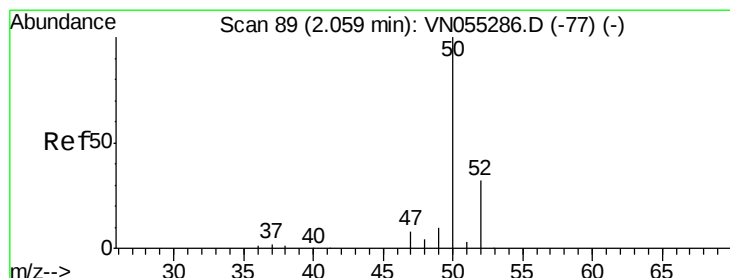
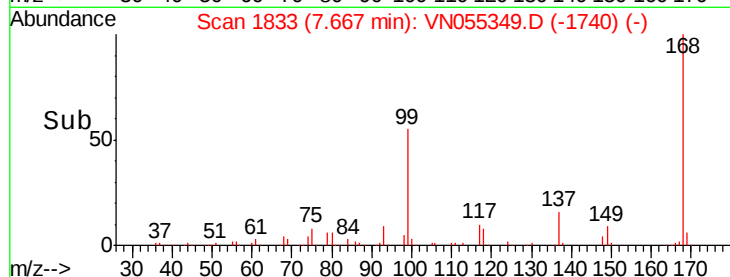
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 1.738 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055349.D

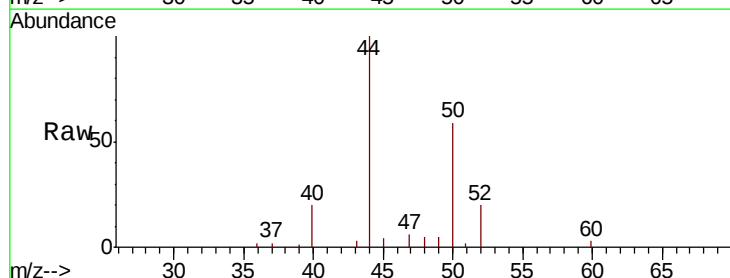
Acq: 2 May 2019 14:39

Tgt Ion: 50 Resp: 9016

Ion Ratio Lower Upper

50 100

52 33.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

6000

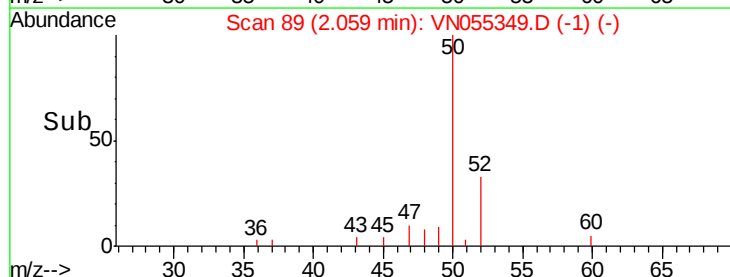
4000

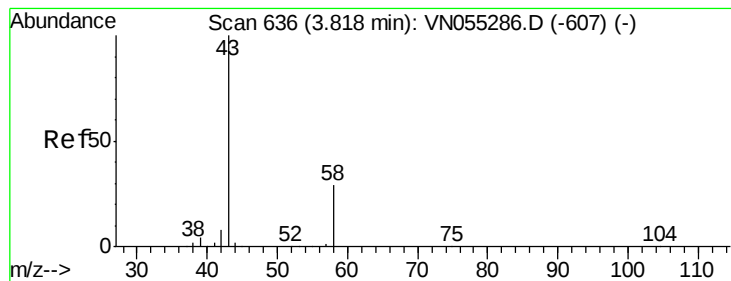
2000

0

2.00 2.05 2.10

Time-->





#16

Acetone

Concen: 26.489 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-E1-6

Tgt Ion: 43 Resp: 36920

Ion Ratio Lower Upper

43 100

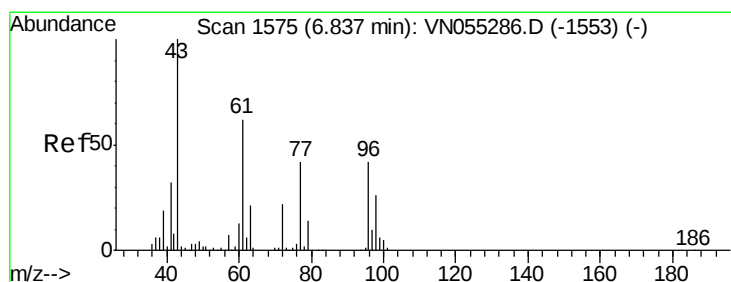
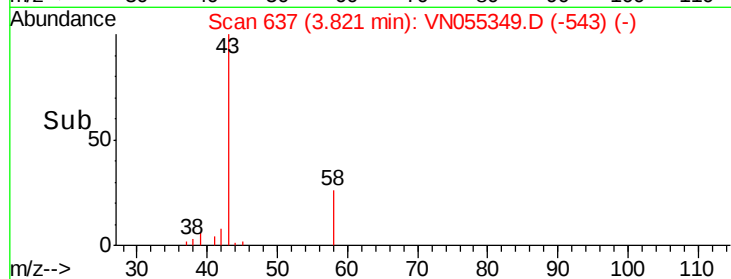
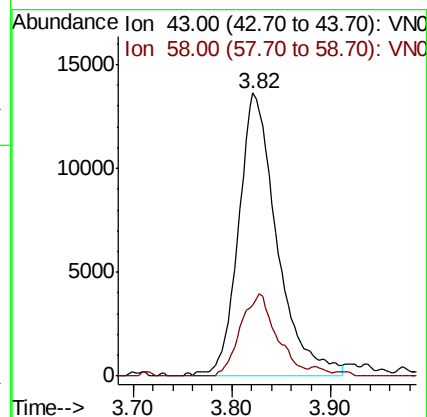
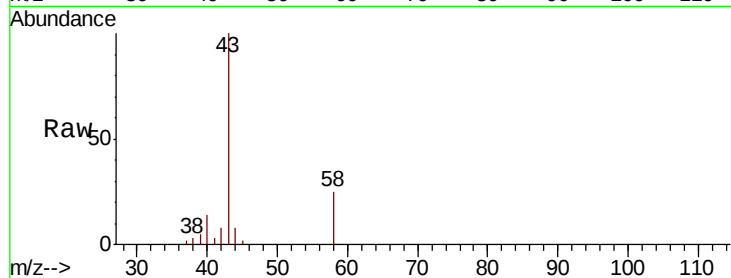
58 25.3 23.6 35.4

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#25

2-Butanone

Concen: 24.627 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN055349.D

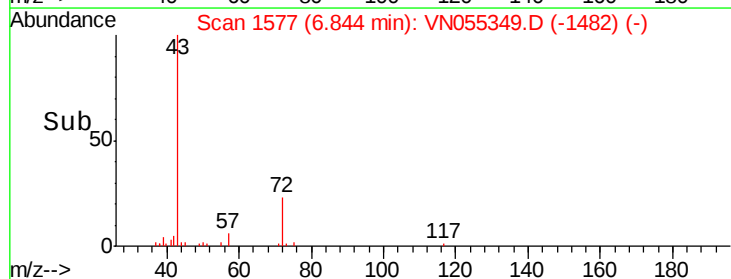
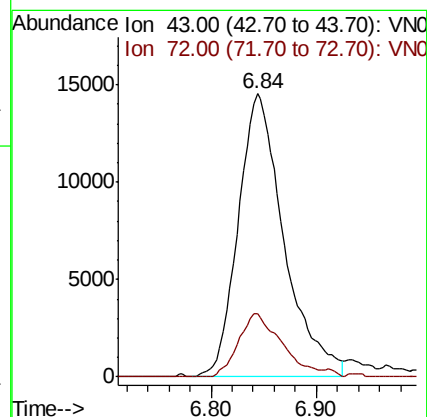
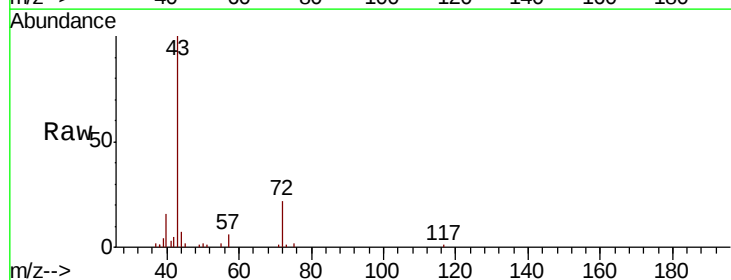
Acq: 2 May 2019 14:39

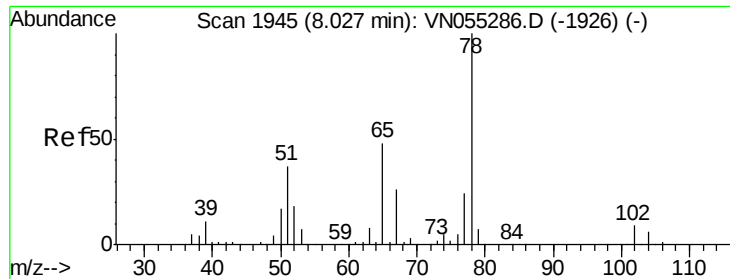
Tgt Ion: 43 Resp: 43897

Ion Ratio Lower Upper

43 100

72 22.4 18.0 27.0





#33

1,2-Dichloroethane-d4

Concen: 54.038 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-E1-6

Tgt Ion: 65 Resp: 241724

Ion Ratio Lower Upper

65 100

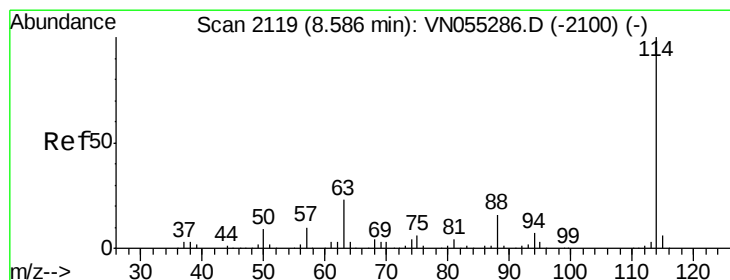
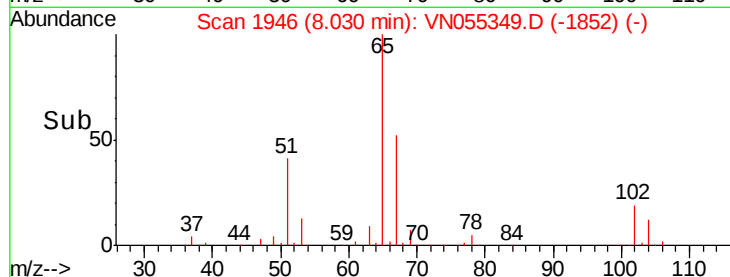
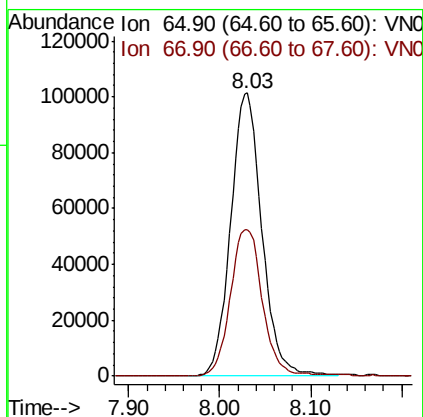
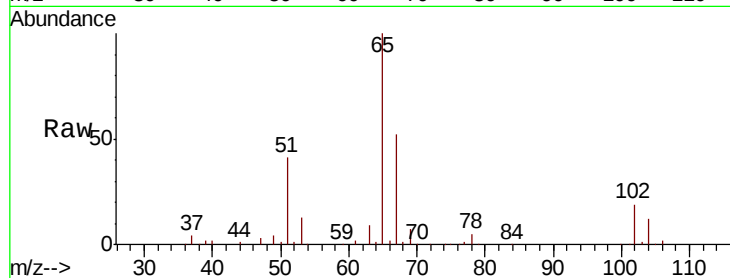
67 53.3 0.0 106.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

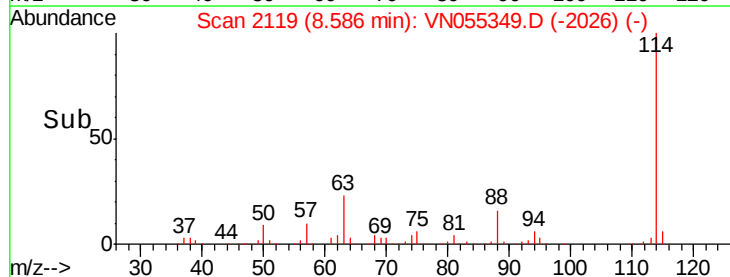
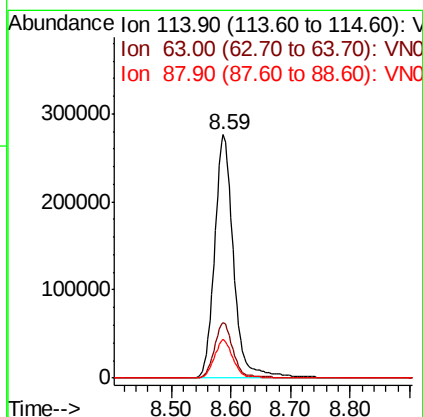
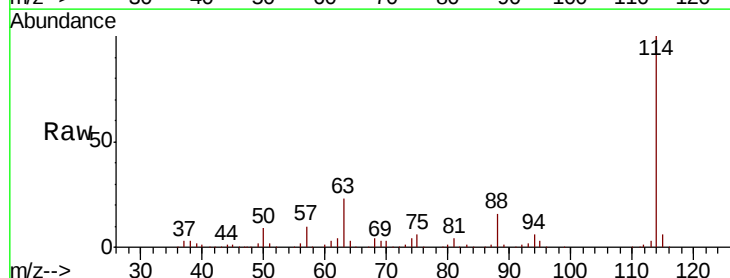
Tgt Ion: 114 Resp: 610156

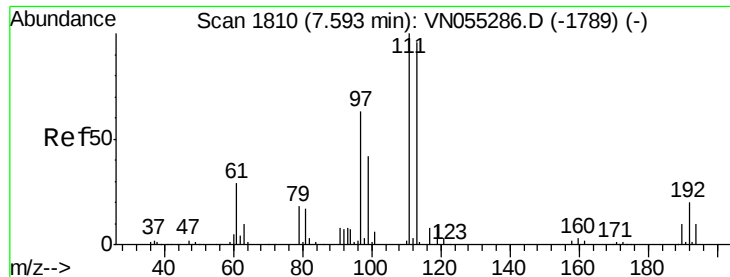
Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

88 15.8 0.0 31.6





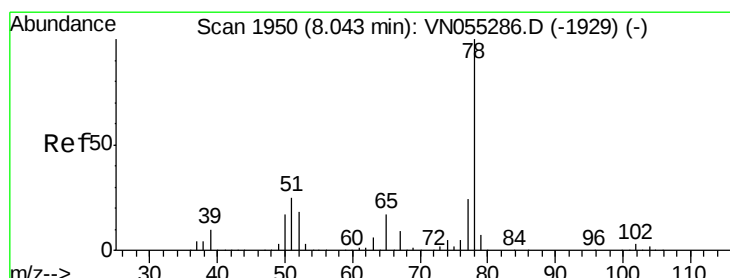
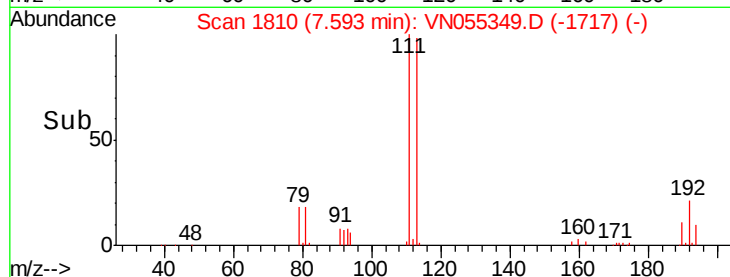
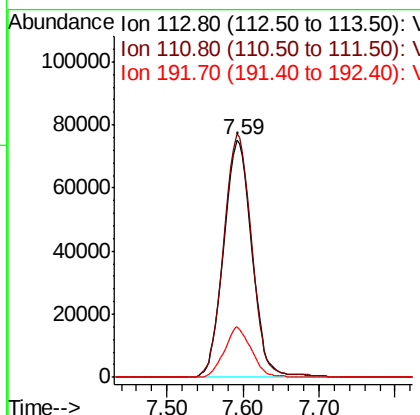
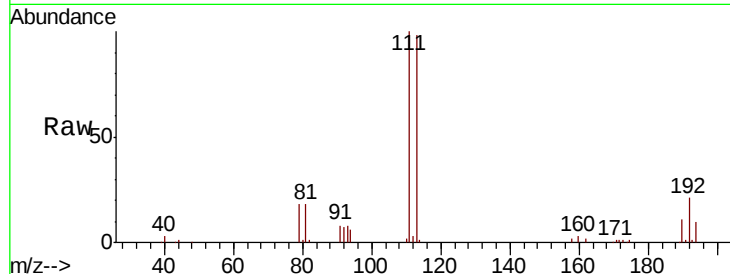
#35
 Dibromofluoromethane
 Concen: 48.651 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055349.D
 Acq: 2 May 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-E1-6

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	194842		
111	101.0	82.3	123.5	
192	20.1	17.0	25.6	

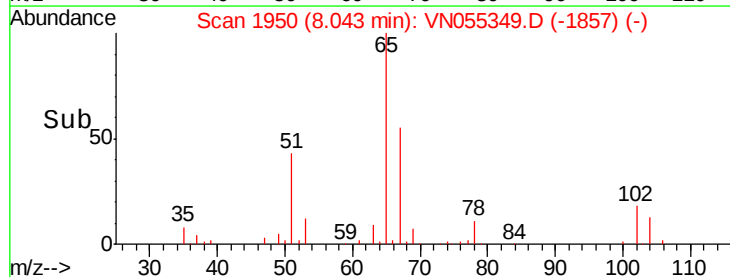
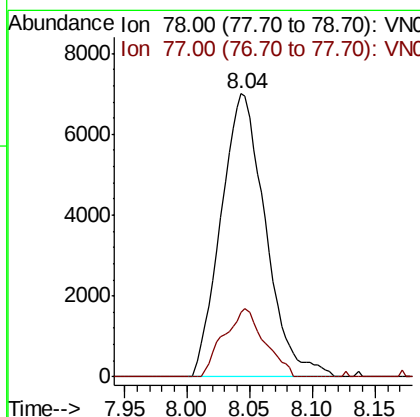
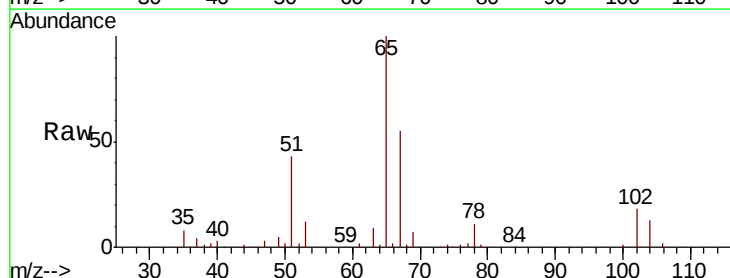
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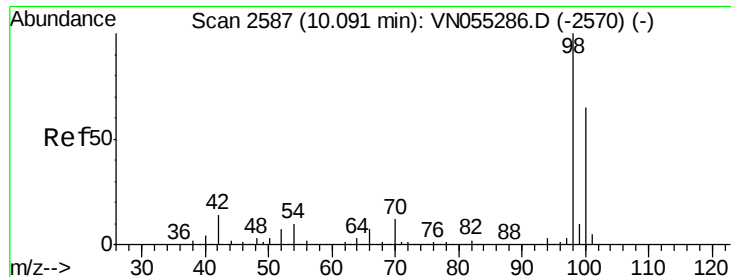
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#40
 Benzene
 Concen: 1.006 ug/l
 RT: 8.04 min Scan# 1950
 Delta R.T. 0.00 min
 Lab File: VN055349.D
 Acq: 2 May 2019 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	17327		
77	22.7	19.0	28.6	





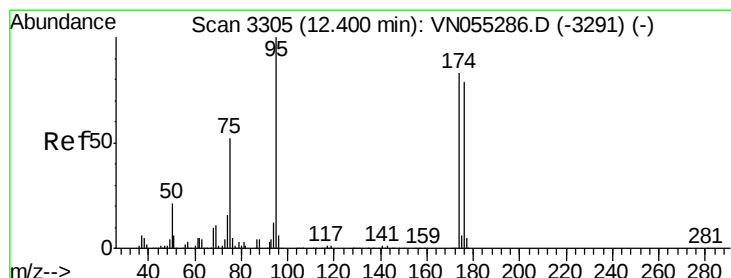
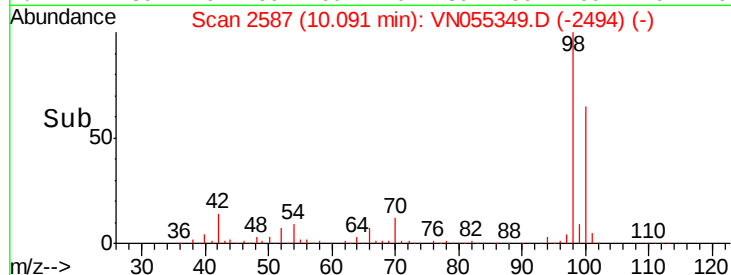
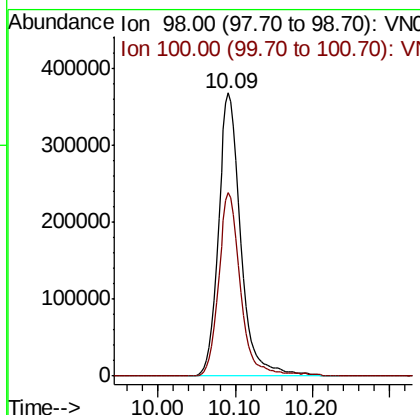
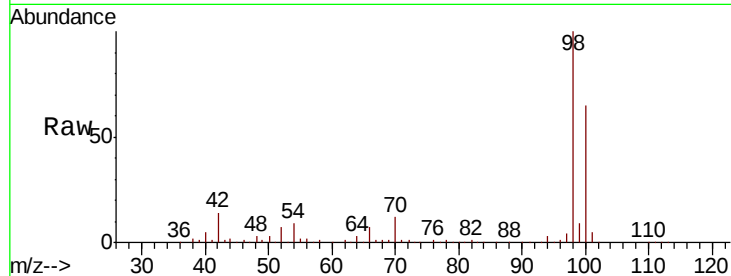
#50
Toluene-d8
Concen: 51.634 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-E1-6

Tgt Ion: 98 Resp: 746682
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5

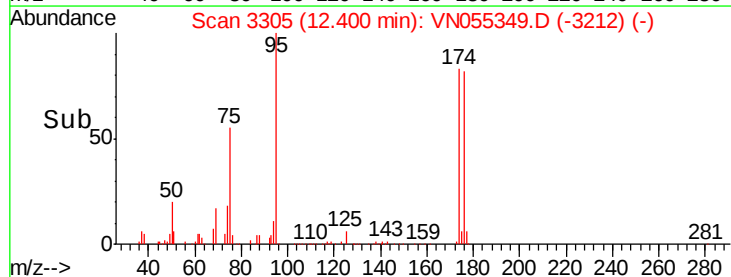
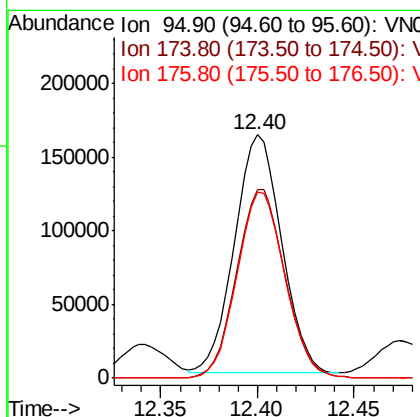
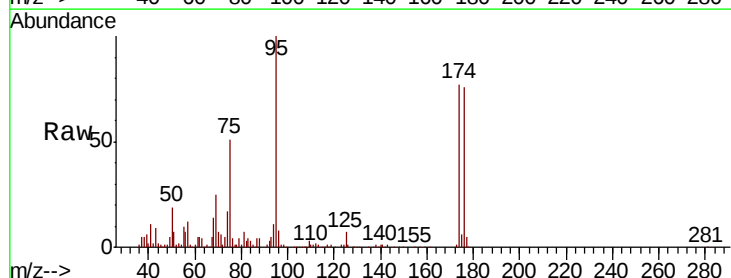
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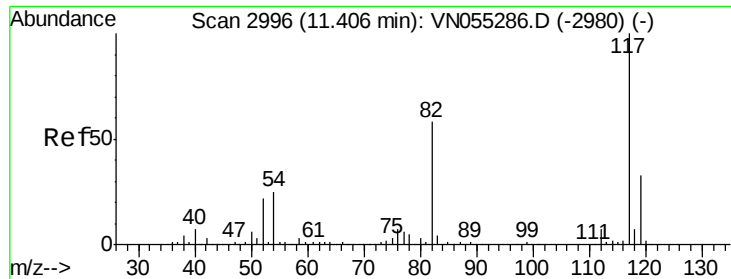
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#62
4-Bromofluorobenzene
Concen: 60.610 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Tgt Ion: 95 Resp: 273934
Ion Ratio Lower Upper
95 100
174 81.5 0.0 166.6
176 79.8 0.0 157.8





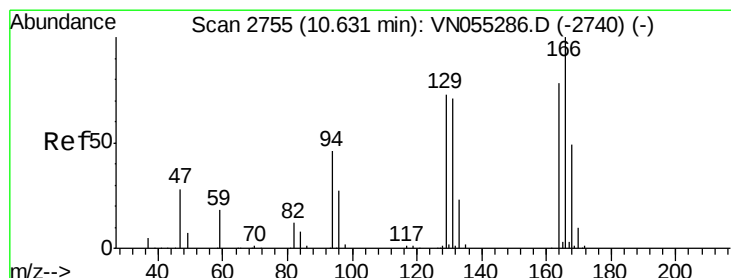
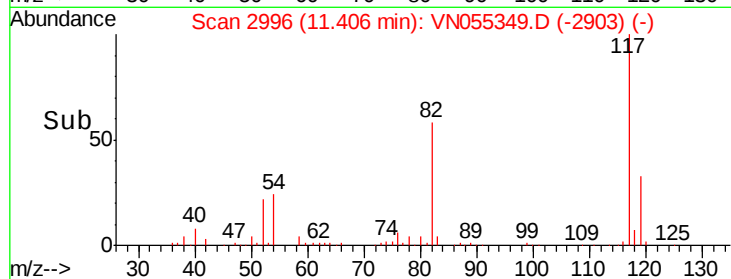
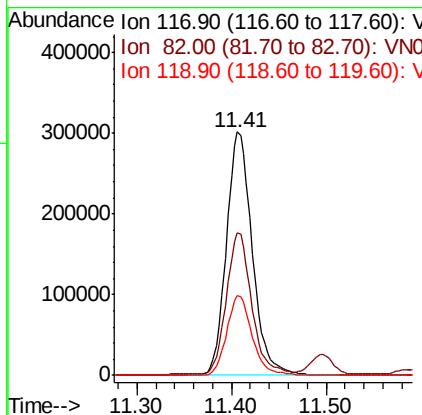
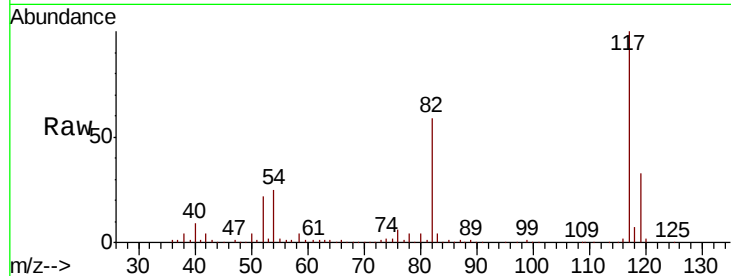
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-E1-6

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	572128		
82	58.0	46.2	69.4	
119	32.6	26.6	40.0	

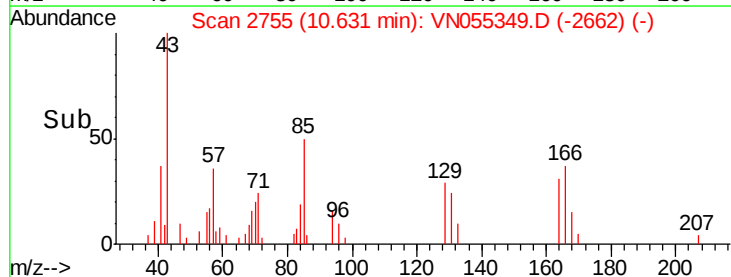
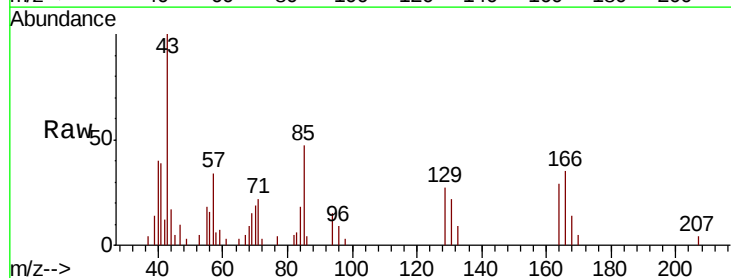
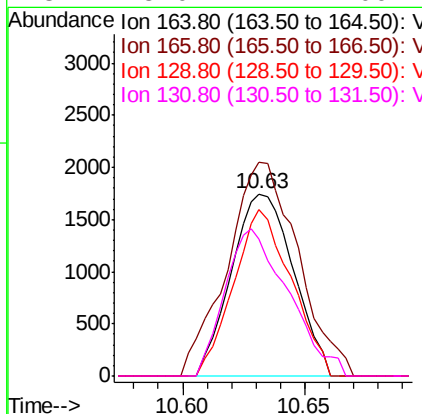
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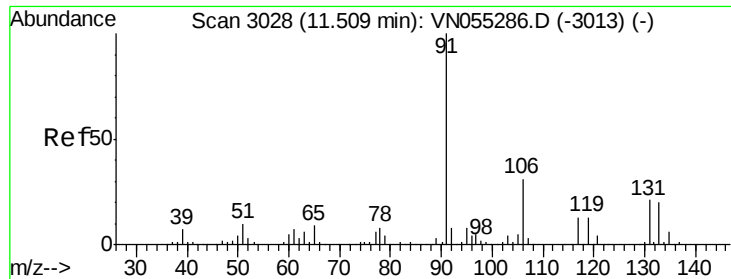
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#64
Tetrachloroethene
Concen: 0.658 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	3079		
166	104.9	102.3	153.5	
129	91.6	75.0	112.6	
131	75.0	72.7	109.1	





#67

Ethyl Benzene

Concen: 1.872 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-E1-6

Tgt Ion: 91 Resp: 37805

Ion Ratio Lower Upper

91 100

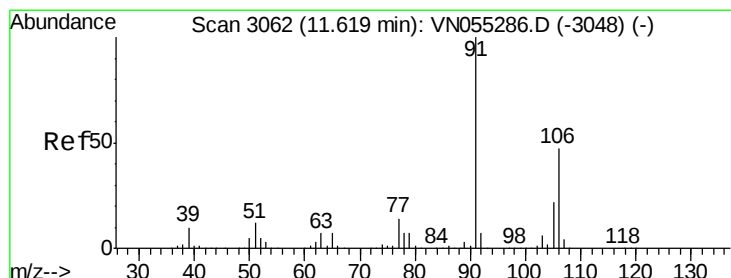
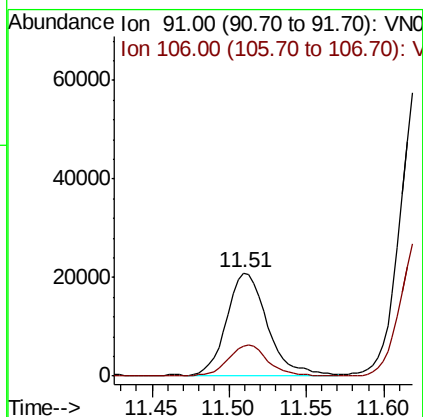
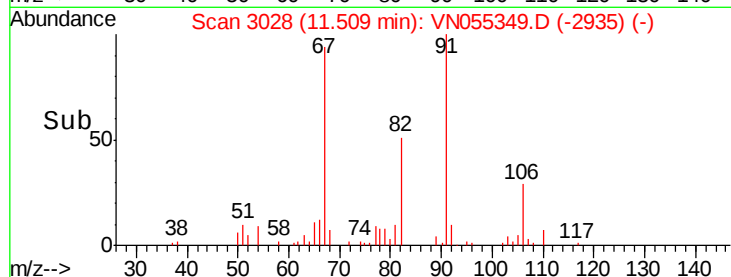
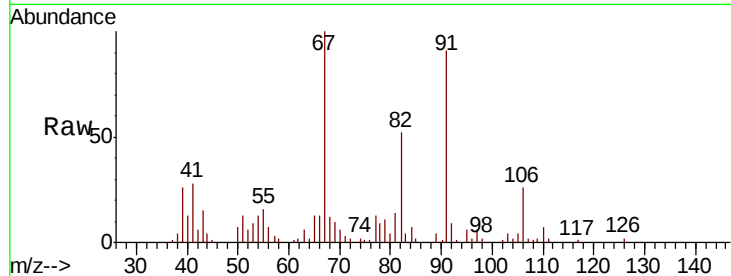
106 28.6 24.6 36.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 8.283 ug/l

RT: 11.62 min Scan# 3064

Delta R.T. 0.01 min

Lab File: VN055349.D

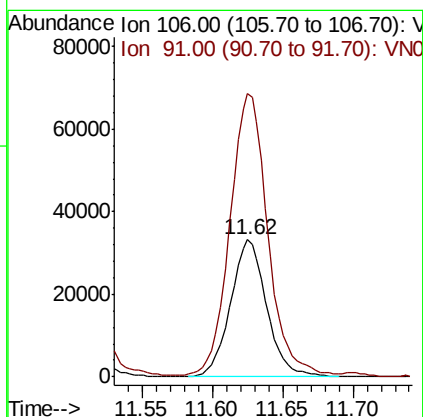
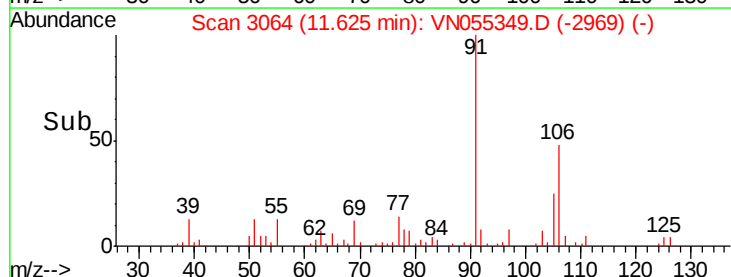
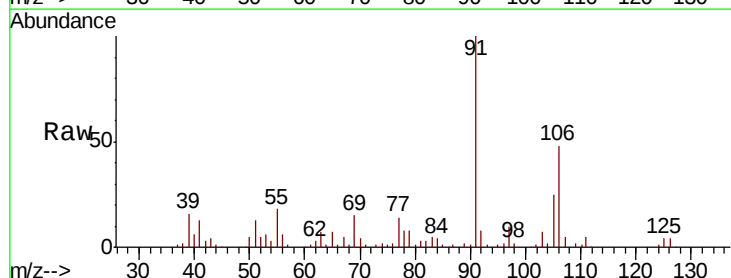
Acq: 2 May 2019 14:39

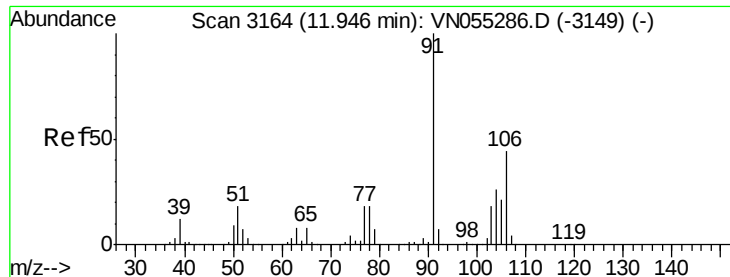
Tgt Ion: 106 Resp: 59720

Ion Ratio Lower Upper

106 100

91 213.0 169.5 254.3





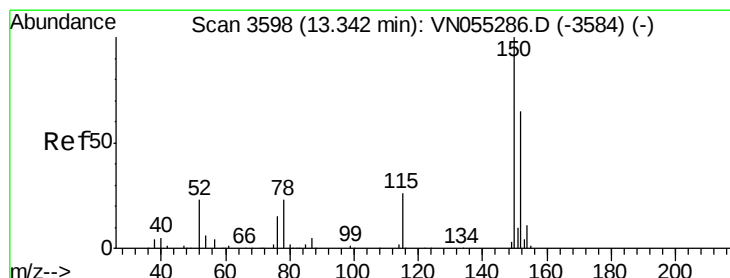
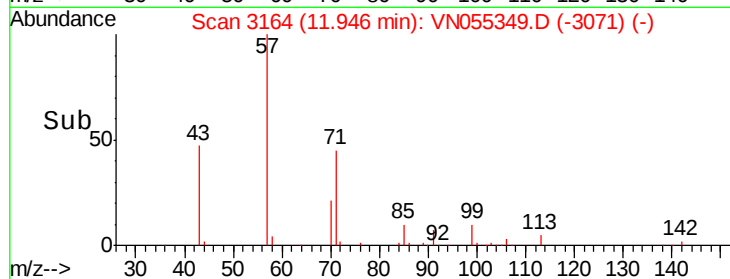
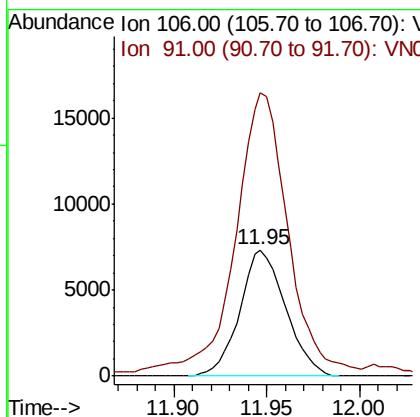
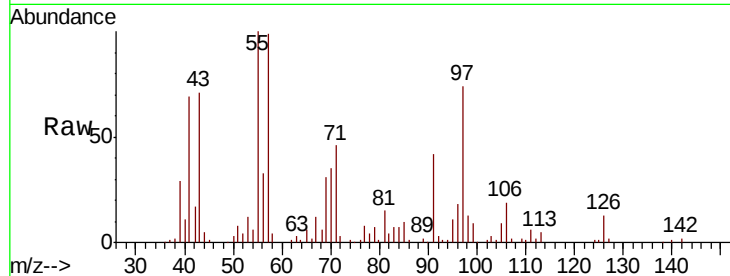
#69
o-Xylene
Concen: 1.759 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-E1-6

Tgt Ion:106 Resp: 12568
Ion Ratio Lower Upper
106 100
91 254.6 111.5 334.5

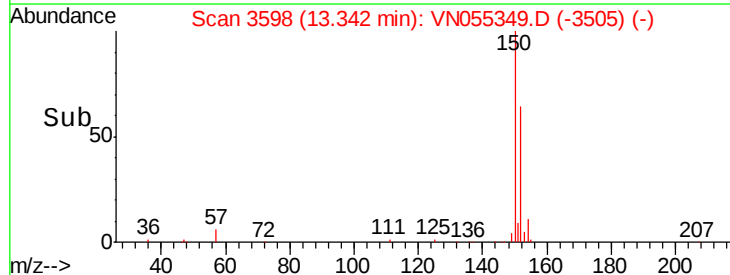
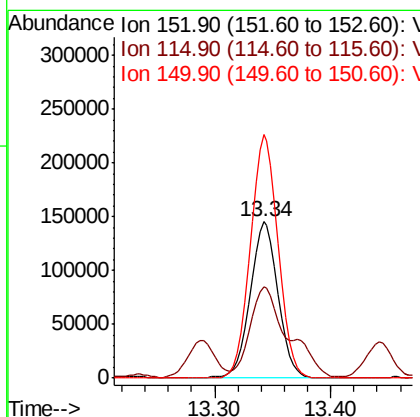
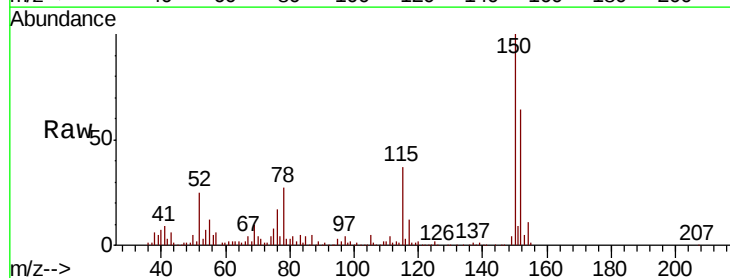
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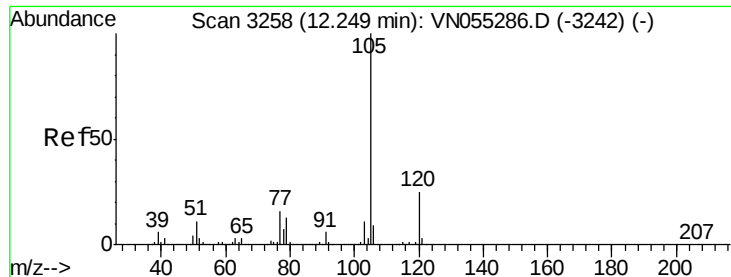
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Tgt Ion:152 Resp: 243052
Ion Ratio Lower Upper
152 100
115 77.9 29.0 87.0
150 155.4 0.0 345.6





#73

Isopropylbenzene

Concen: 171.122 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-E1-6

Tgt Ion: 105 Resp: 3161282

Ion Ratio Lower Upper

105 100

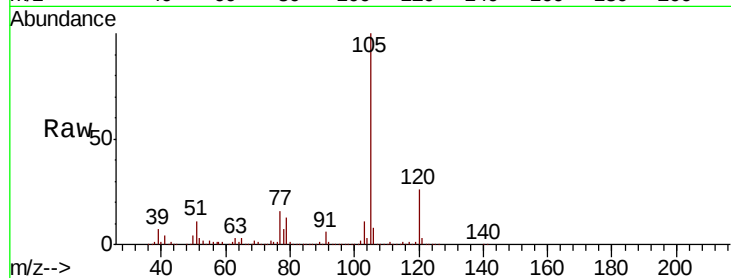
120 25.9 12.9 38.7

Manual Integrations

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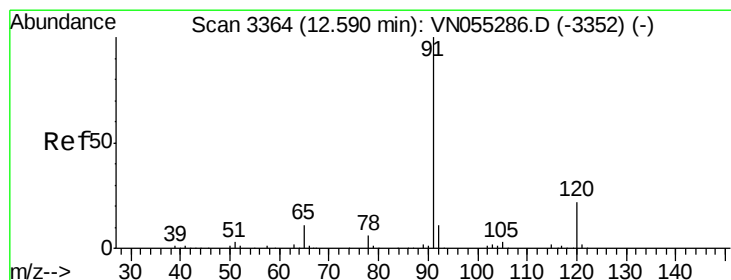
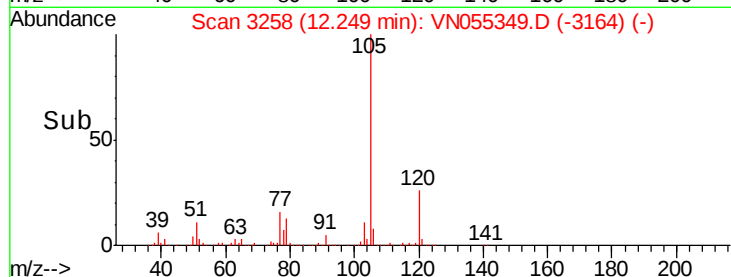
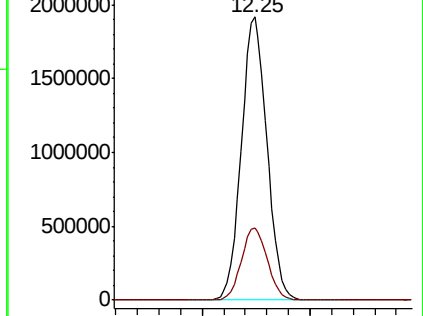
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 38.236 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055349.D

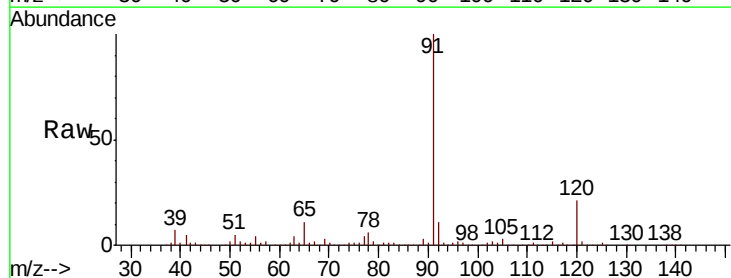
Acq: 2 May 2019 14:39

Tgt Ion: 91 Resp: 954611

Ion Ratio Lower Upper

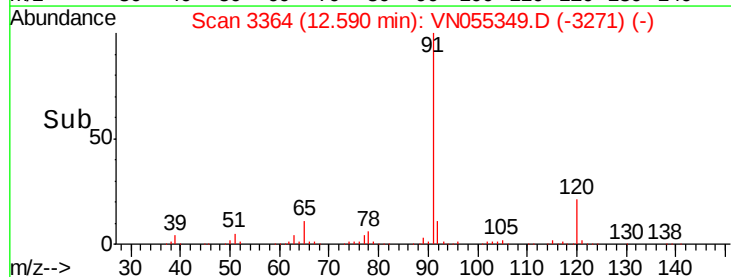
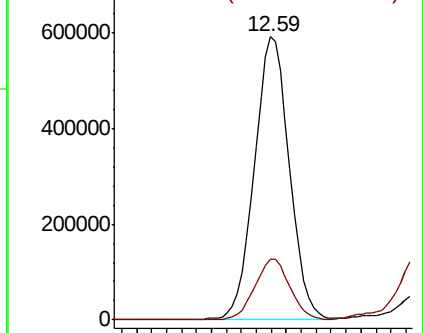
91 100

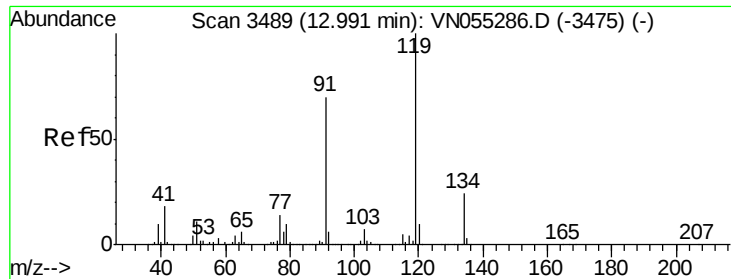
120 21.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





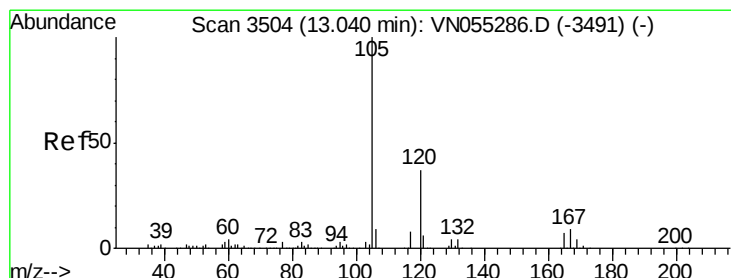
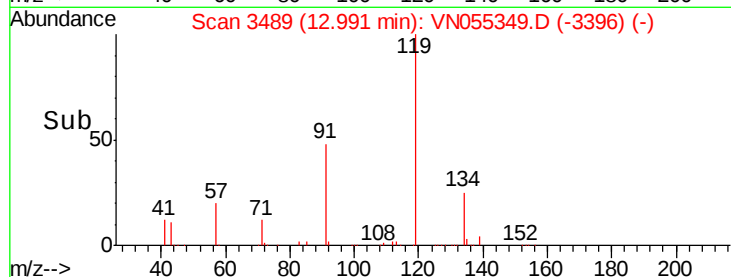
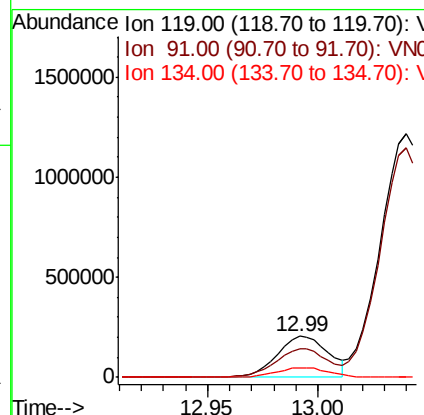
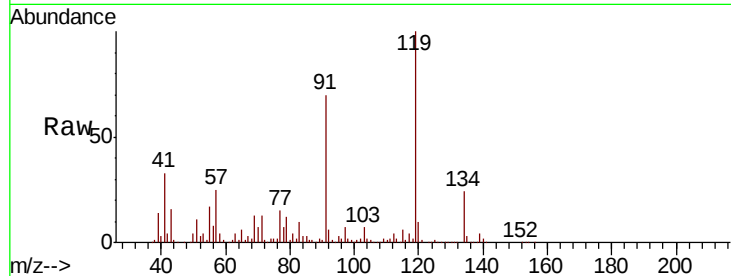
#83
 tert-Butylbenzene
 Concen: 22.877 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055349.D
 Acq: 2 May 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-E1-6

Tgt Ion	Ratio	Lower	Upper
119	100		
91	71.0	34.3	102.9
134	24.0	13.1	39.3

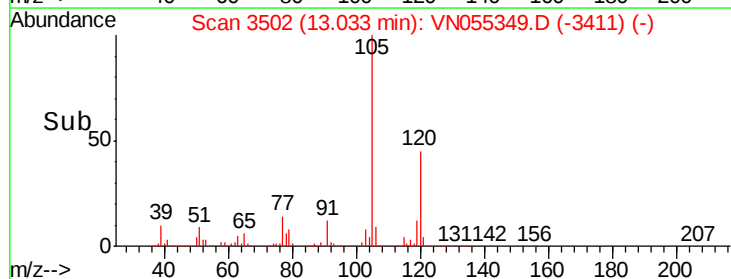
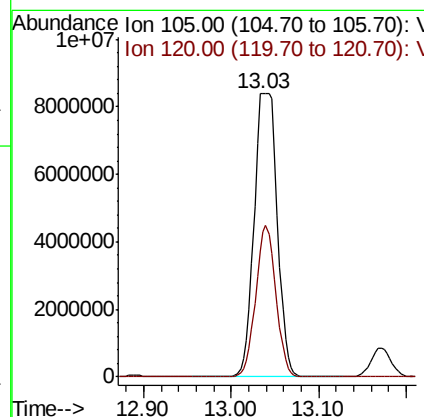
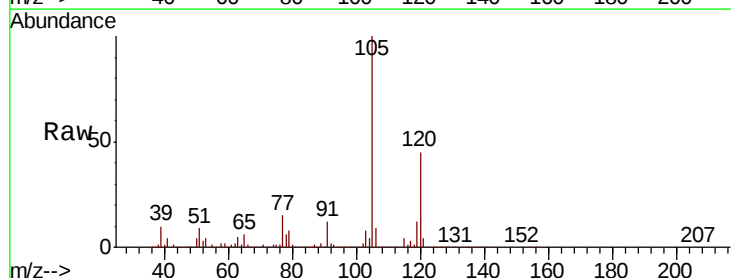
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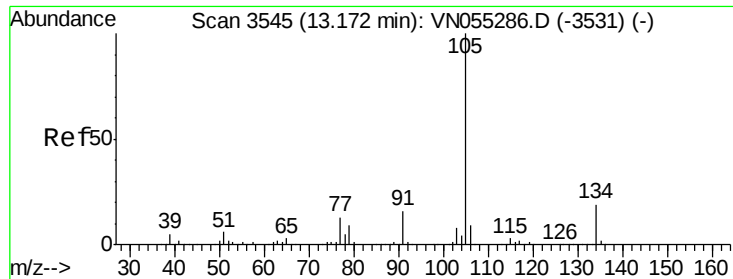
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#84
 1,2,4-Trimethylbenzene
 Concen: 904.652 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.01 min
 Lab File: VN055349.D
 Acq: 2 May 2019 14:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.1	66.5





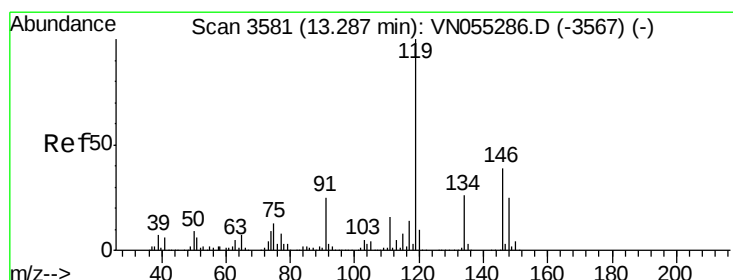
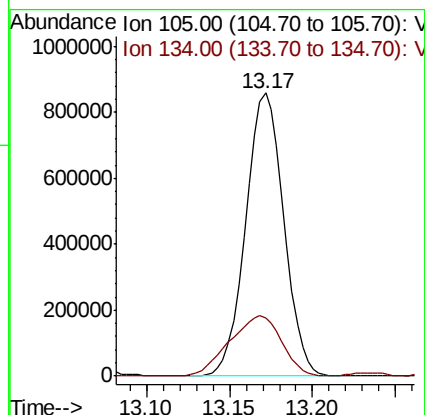
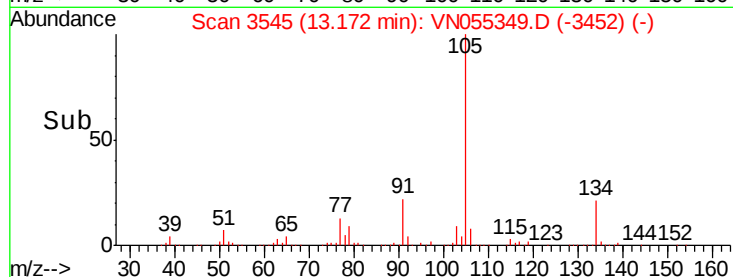
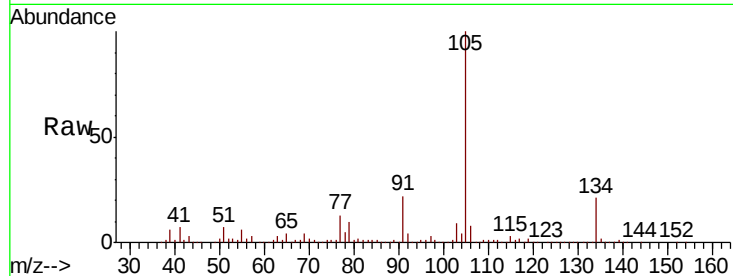
#85
 sec-Butylbenzene
 Concen: 65.771 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055349.D
 Acq: 2 May 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-E1-6

Tgt Ion:105 Resp: 1362139
 Ion Ratio Lower Upper
 105 100
 134 29.5 9.6 28.8#

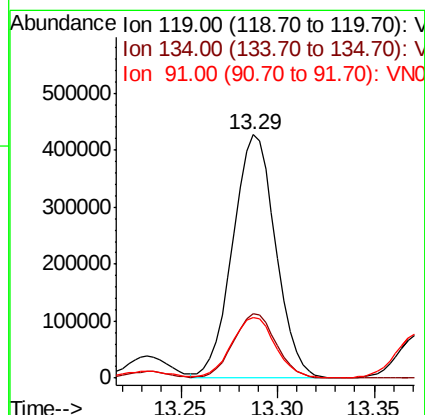
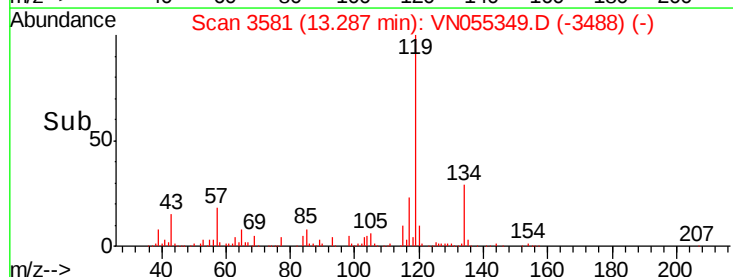
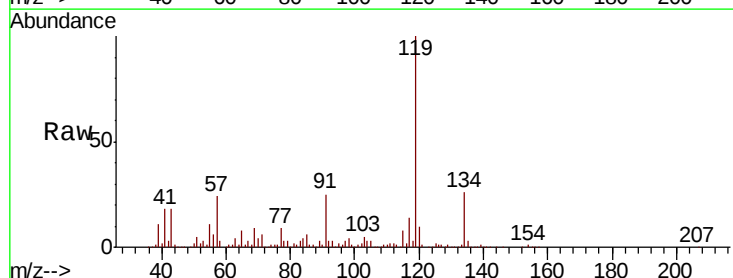
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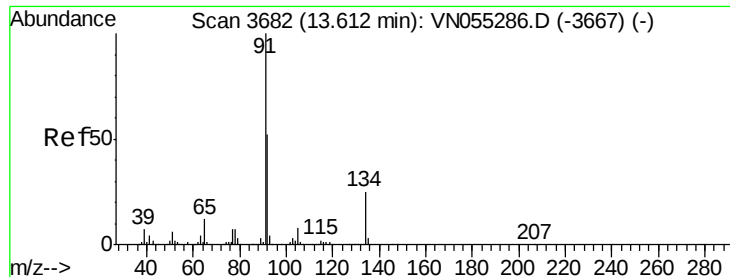
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#86
 p-Isopropyltoluene
 Concen: 38.608 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055349.D
 Acq: 2 May 2019 14:39

Tgt Ion:119 Resp: 657191
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 38.9
 91 24.8 12.2 36.6





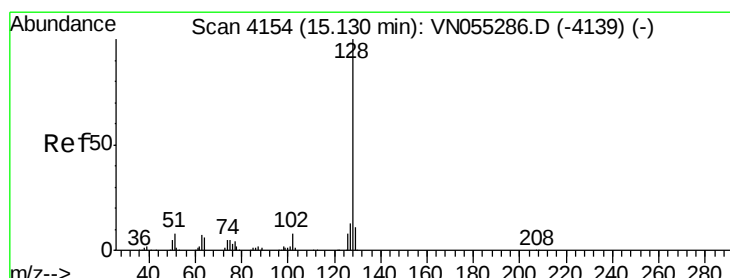
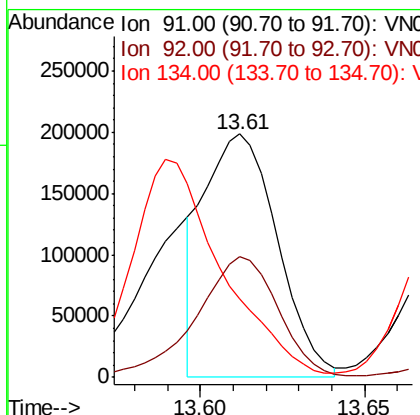
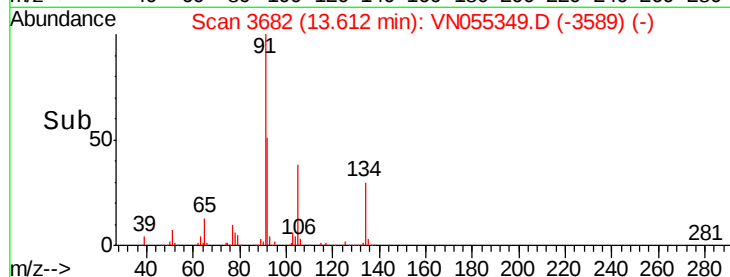
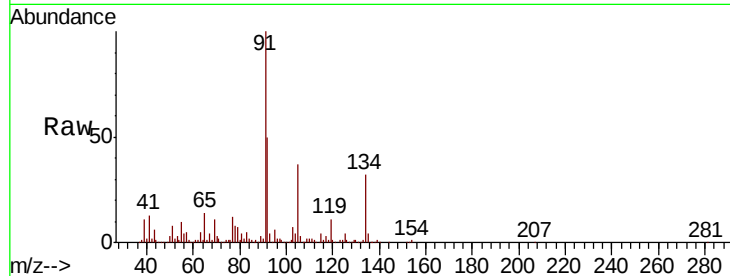
#89
n-Butylbenzene
Concen: 25.502 ug/l m
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-E1-6

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.1	78.3
134	0.0	12.4	37.4#

Manual Integrations
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#95
Naphthalene
Concen: 23.858 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.5	8.6	13.0

