

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058935.D
 Acq On : 23 Oct 2019 17:14
 Operator : JC/SP
 Sample : K5507-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S81-0107

Manual Integrations
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 10/25/2019 2:44:09 PM

Quant Time: Oct 24 02:25:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	326889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	535843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	492757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	215898	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	255320	53.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.50%	
35) Dibromofluoromethane	7.57	113	177336	50.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.68%	
50) Toluene-d8	10.08	98	678803	49.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	236622	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.24%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.17	62	11228	2.240	ug/l	96
16) Acetone	3.80	43	23275	9.824	ug/l #	77
17) Carbon Disulfide	4.04	76	7116	0.686	ug/l #	93
27) cis-1,2-Dichloroethene	6.81	96	11163	2.746	ug/l	87
31) Cyclohexane	7.64	56	153602	22.294	ug/l	98
39) Methylcyclohexane	9.07	83	192174	31.198	ug/l	96
40) Benzene	8.02	78	62896	3.904	ug/l	100
52) Toluene	10.15	92	39707	4.156	ug/l	100
67) Ethyl Benzene	11.51	91	830105	47.170	ug/l	98
68) m/p-Xylenes	11.63	106	217586	33.340	ug/l	99
69) o-Xylene	11.95	106	686540	110.300	ug/l	100
73) Isopropylbenzene	12.25	105	69444	4.401	ug/l	99
78) n-propylbenzene	12.60	91	90995	4.879	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	54267	4.094	ug/l	98
83) tert-Butylbenzene	13.00	119	4250	0.375	ug/l #	36
84) 1,2,4-Trimethylbenzene	13.04	105	418282	31.990	ug/l	98
85) sec-Butylbenzene	13.18	105	23279	1.540	ug/l	84
86) p-Isopropyltoluene	13.29	119	17076	1.280	ug/l	98
89) n-Butylbenzene	13.62	91	11110m	0.907	ug/l	
95) Naphthalene	15.13	128	62567	7.060	ug/l	97

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

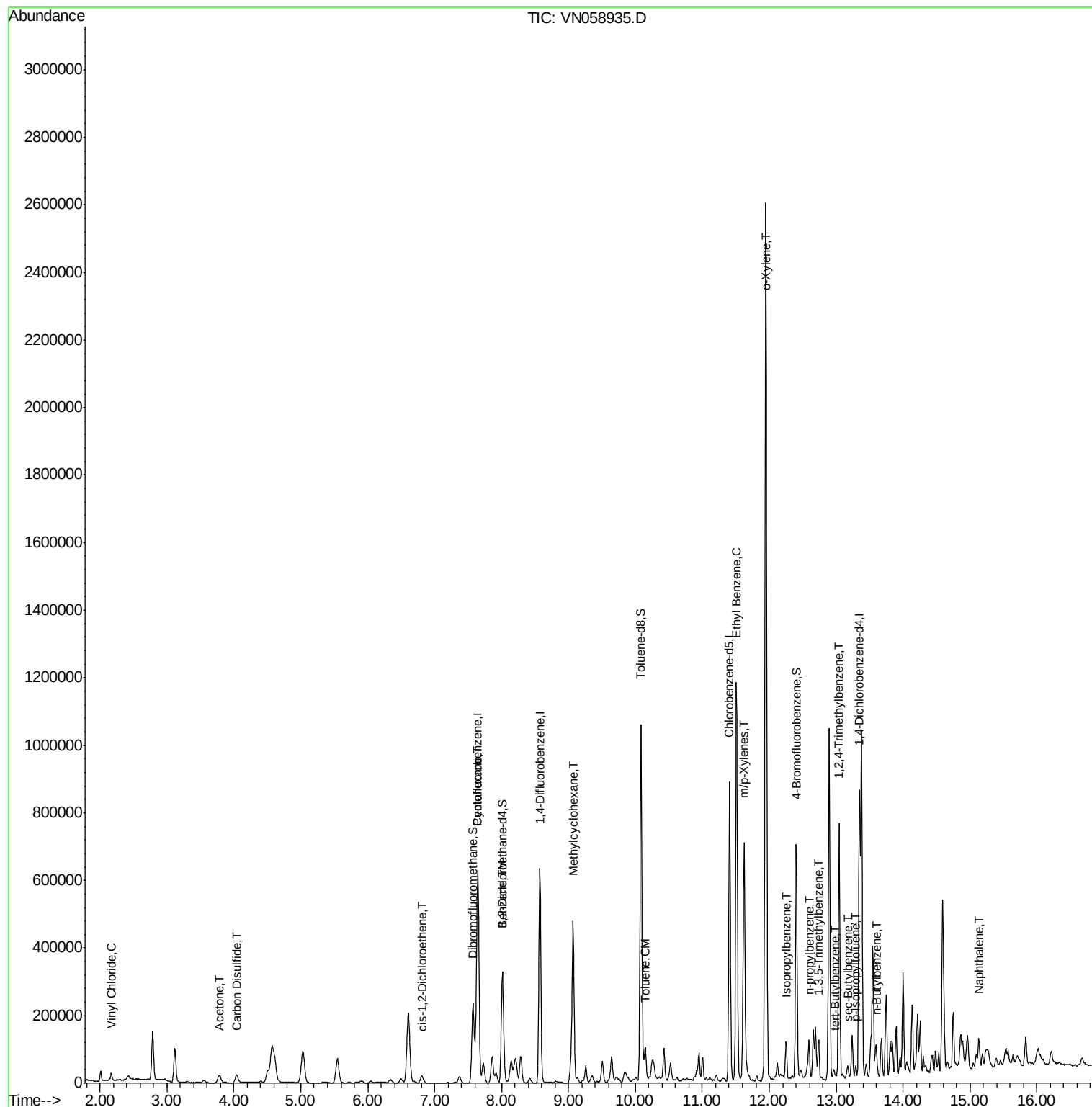
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
Data File : VN058935.D
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ALS Vial : 22 Sample Multiplier: 1

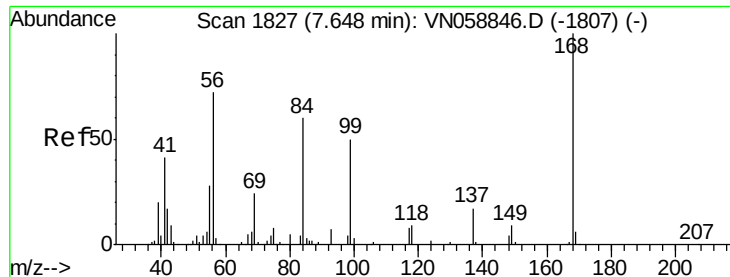
Instrument :
MSVOA_N
ClientSampleId :
S81-0107

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Quant Time: Oct 24 02:25:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

S81-0107

Tot Ion:168 Resp: 326889

Ion Ratio Lower Upper

168 100

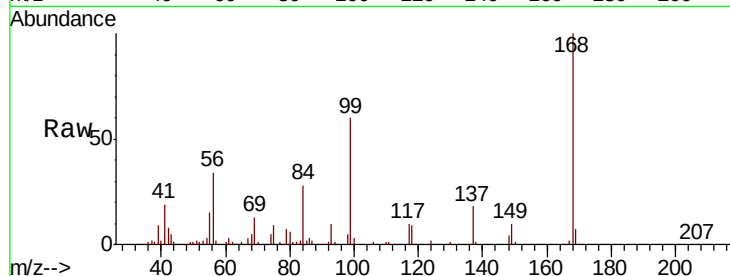
99 60.3 48.1 72.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

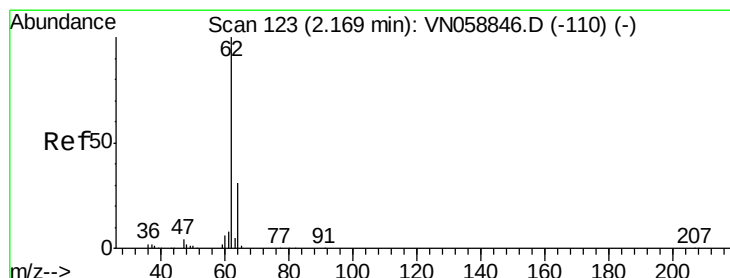
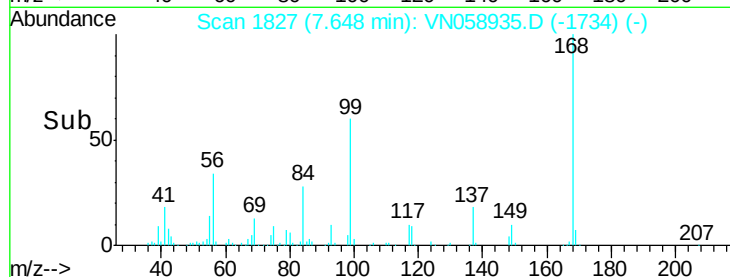
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#4

Vinyl Chloride

Concen: 2.240 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058935.D

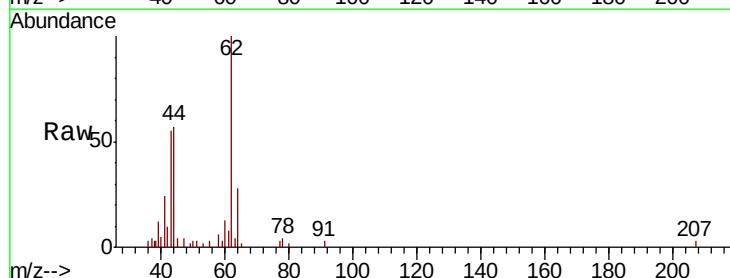
Acq: 23 Oct 2019 17:14

Tgt Ion: 62 Resp: 11228

Ion Ratio Lower Upper

62 100

64 28.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

8000

6000

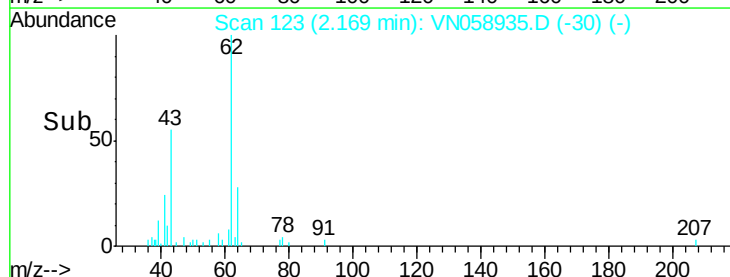
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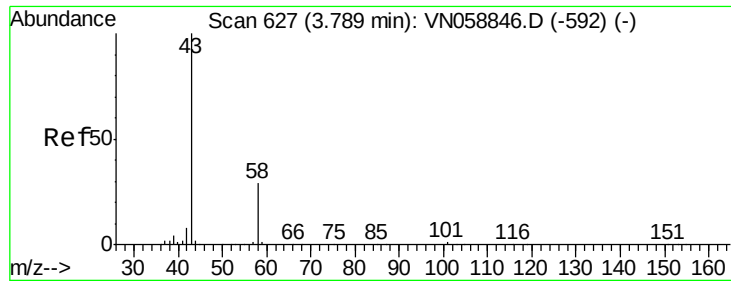
2000

0

2.15 2.20

Time-->





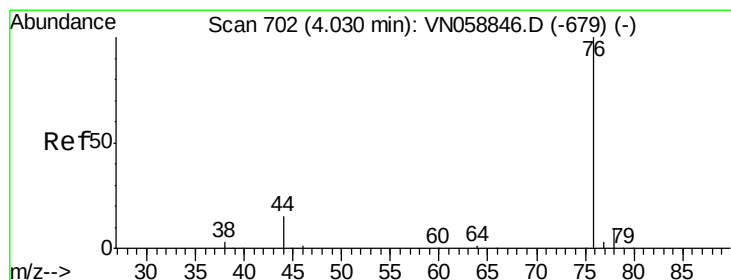
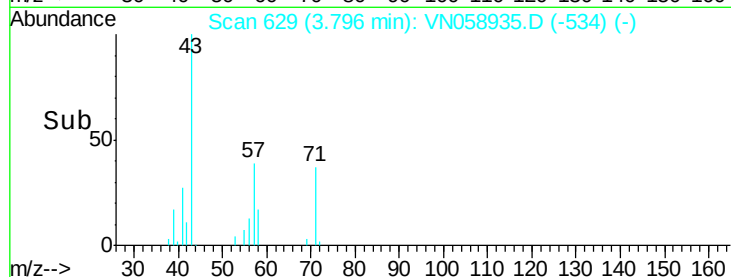
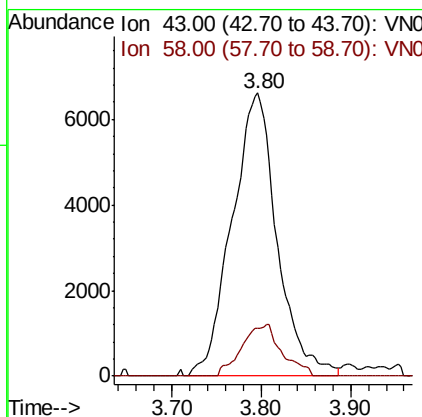
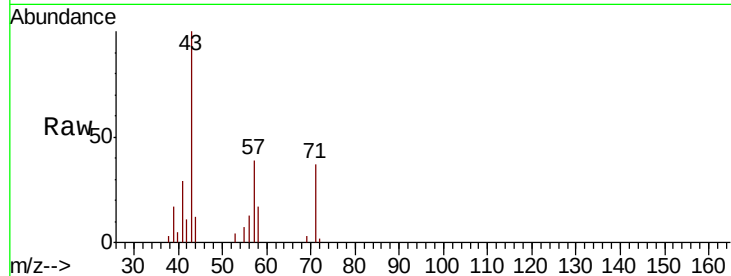
#16
Acetone
Concen: 9.824 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.01 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
S81-0107

Tot Ion	Ratio	Lower	Upper
43	100		
58	16.9	23.1	34.7#

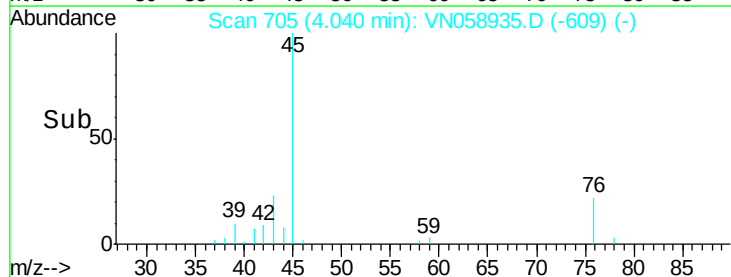
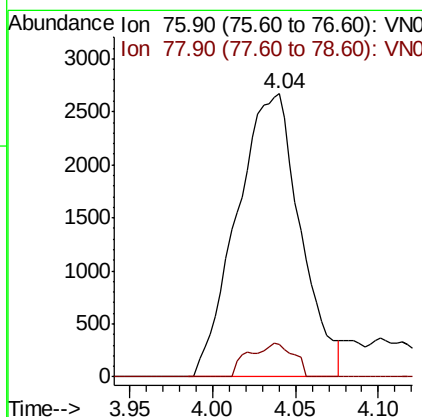
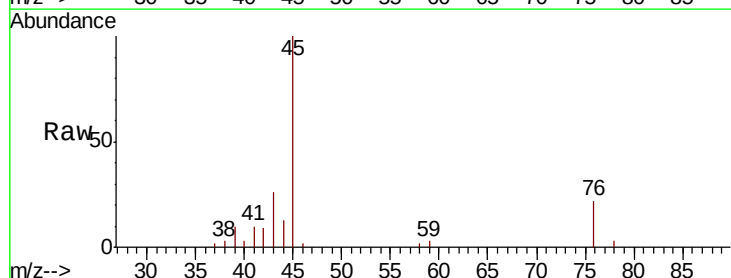
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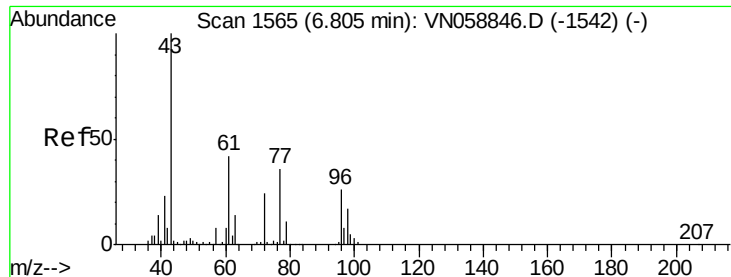
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#17
Carbon Disulfide
Concen: 0.686 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.01 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion	Ratio	Lower	Upper
76	100		
78	11.5	7.1	10.7#





#27

cis-1,2-Dichloroethene

Concen: 2.746 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

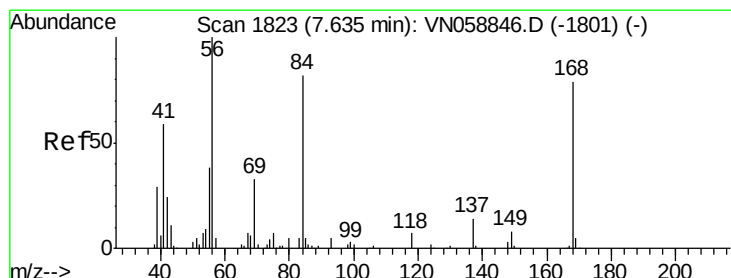
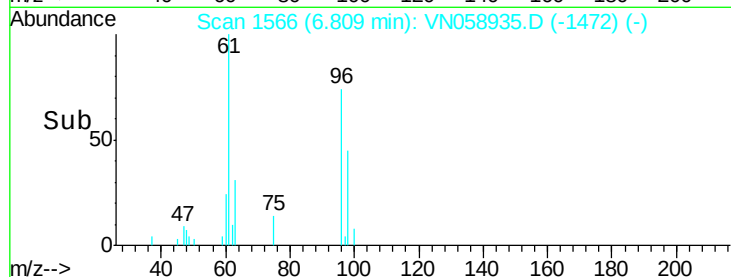
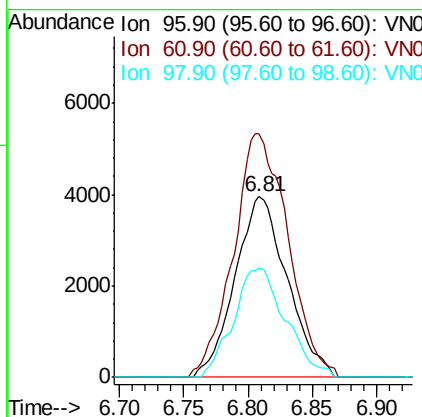
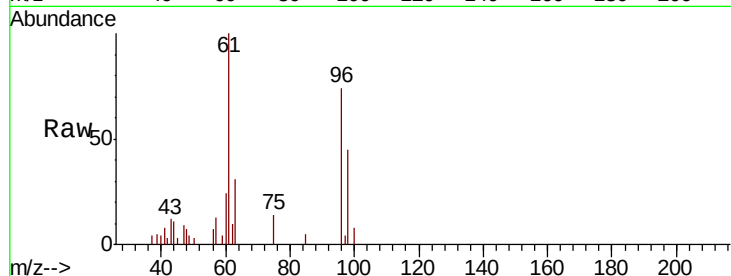
ClientSampled :

S81-0107

Tot Ion:	96	Resp:	11163
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	325.0
98	60.3	0.0	128.0

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#31

Cyclohexane

Concen: 22.294 ug/l

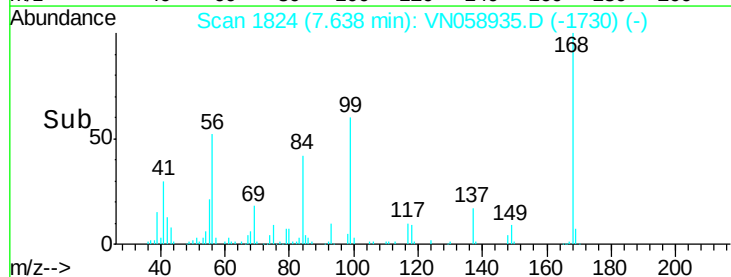
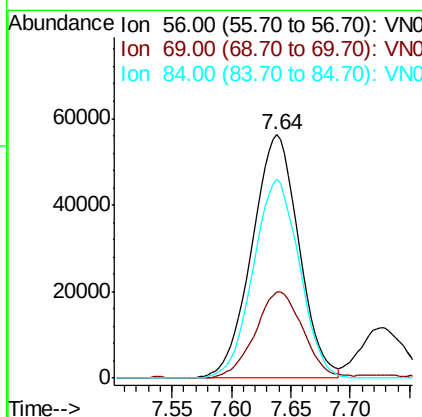
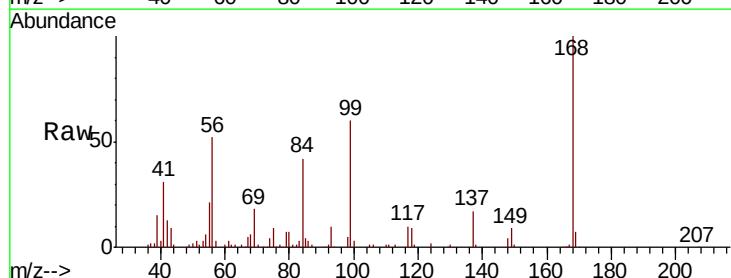
RT: 7.64 min Scan# 1824

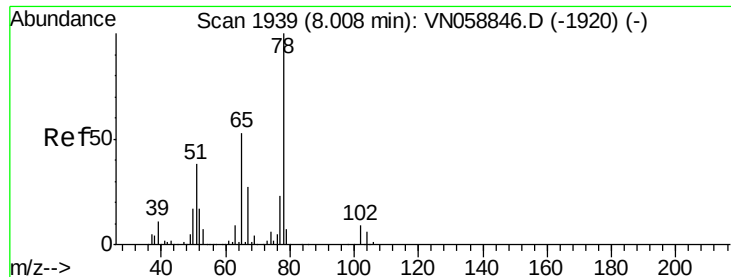
Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Tgt Ion:	56	Resp:	153602
Ion	Ratio	Lower	Upper
56	100		
69	35.3	26.2	39.4
84	81.6	65.6	98.4





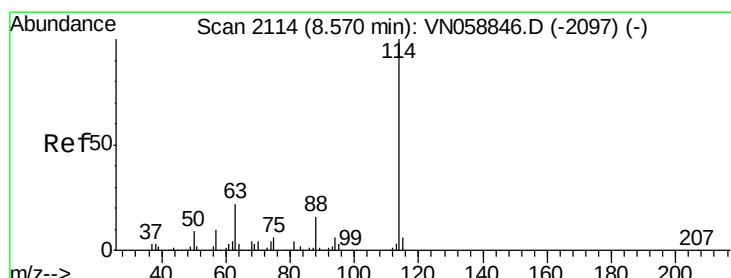
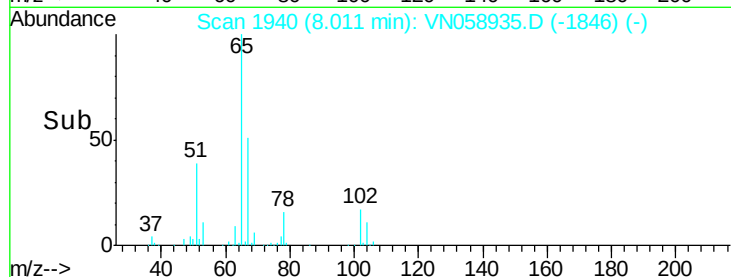
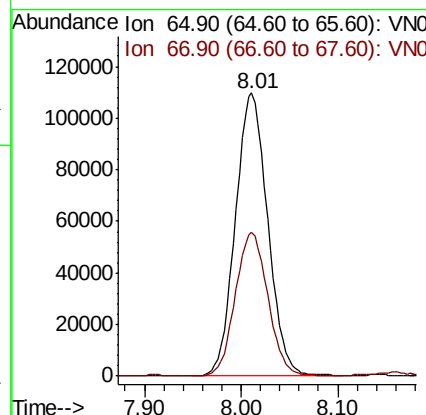
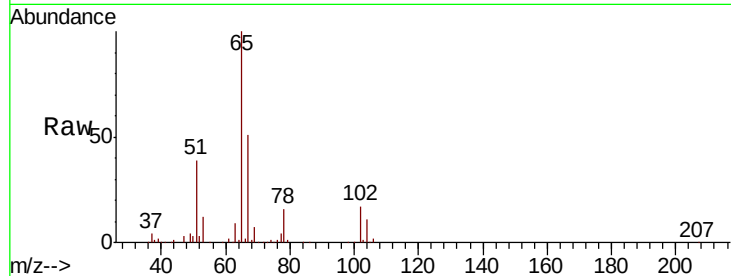
#33
 1,2-Dichloroethane-d4
 Concen: 53.255 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058935.D
 Acq: 23 Oct 2019 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 S81-0107

Tot Ion	Ratio	Resp	Lower	Upper
65	100	255320		
67	51.1	0.0	103.2	

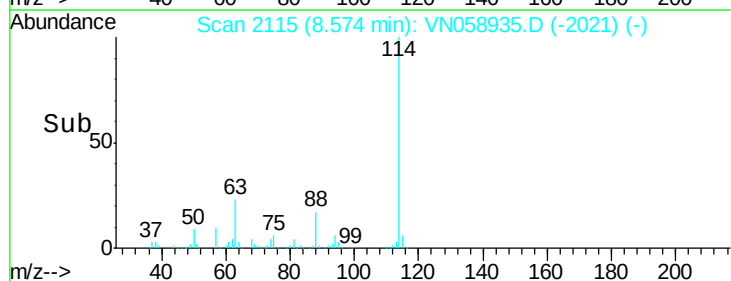
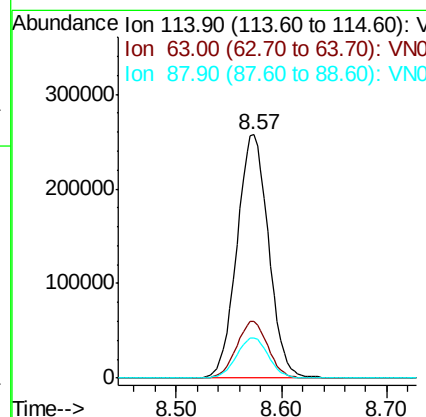
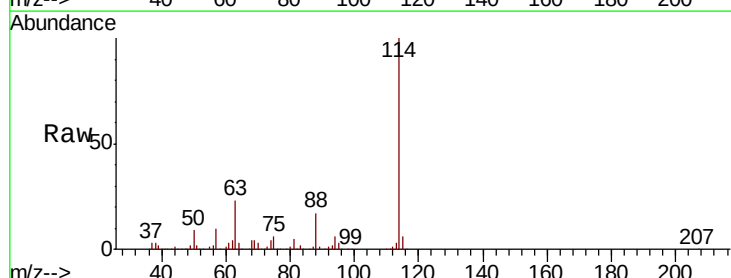
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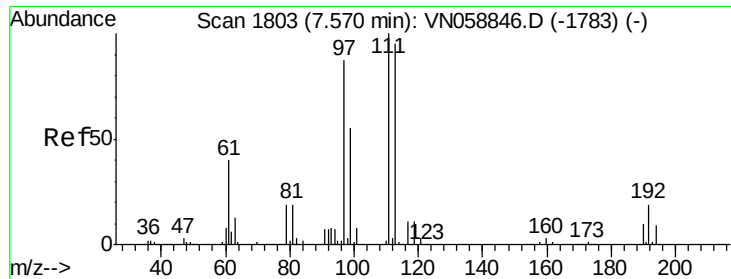
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058935.D
 Acq: 23 Oct 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	535843		
63	23.1	0.0	44.4	
88	16.6	0.0	31.4	





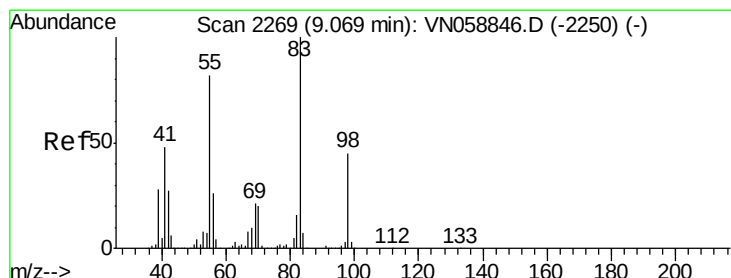
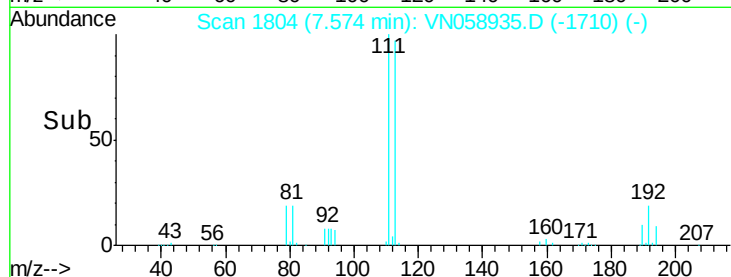
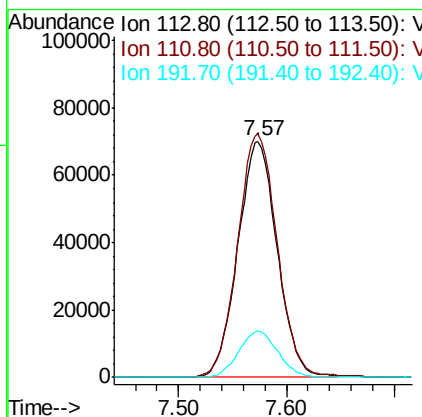
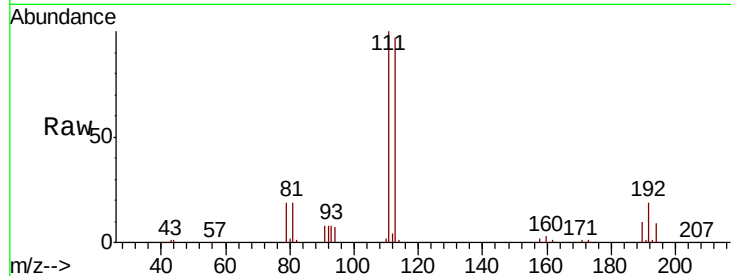
#35
Dibromofluoromethane
Concen: 50.336 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
113	100	177336		
111	103.6	82.0	123.0	
192	19.3	15.0	22.6	

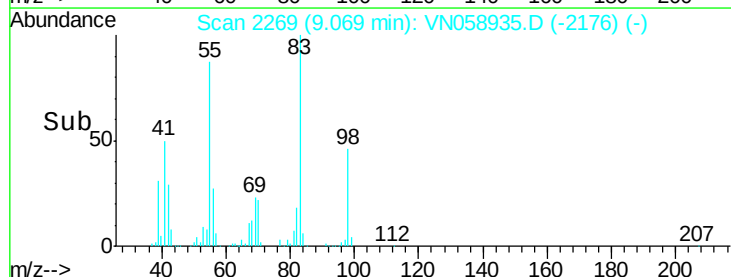
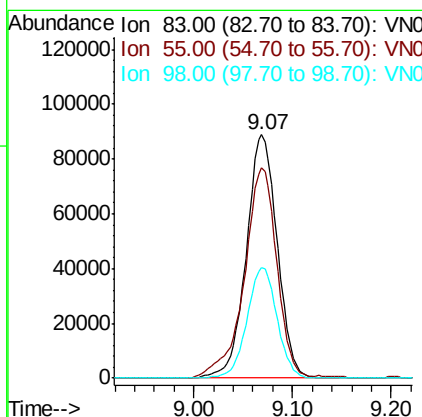
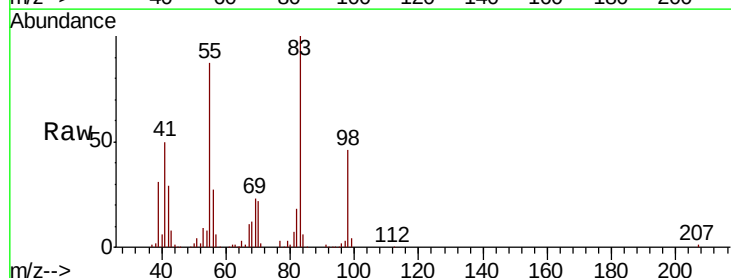
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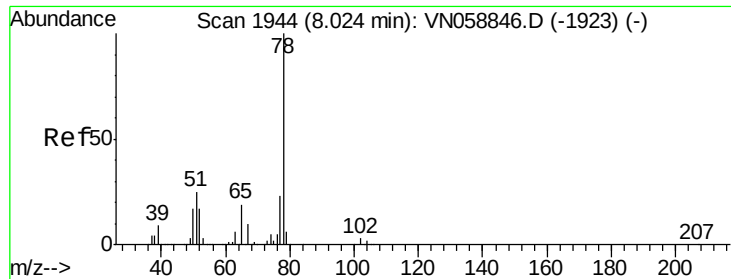
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#39
Methylcyclohexane
Concen: 31.198 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	192174		
55	86.2	65.5	98.3	
98	45.6	35.7	53.5	





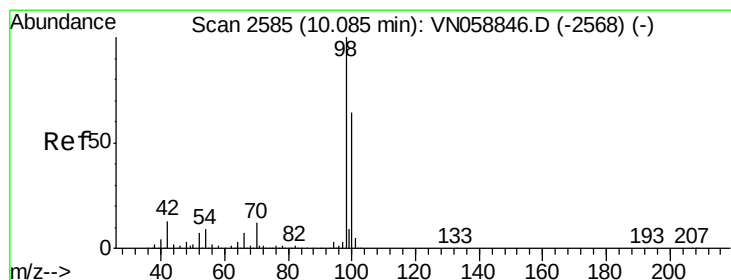
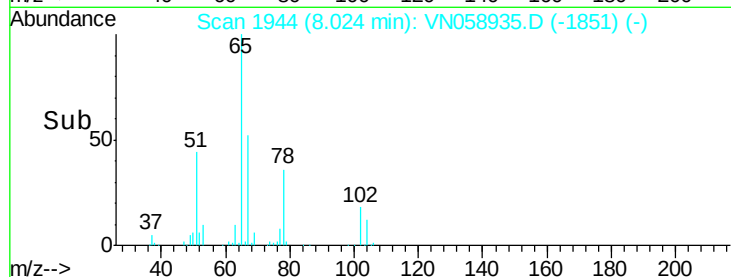
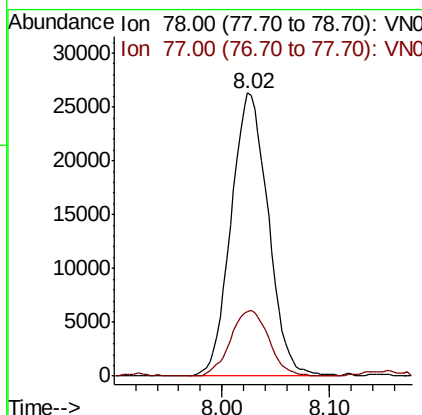
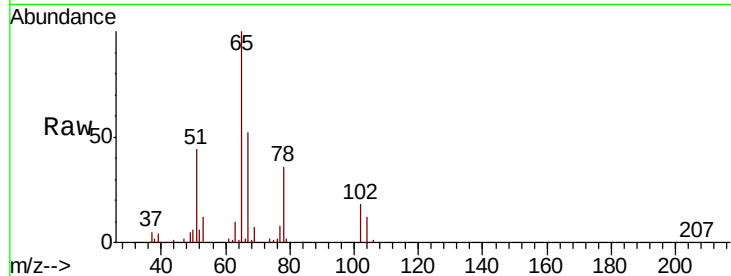
#40
Benzene
Concen: 3.904 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
S81-0107

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.2	27.2

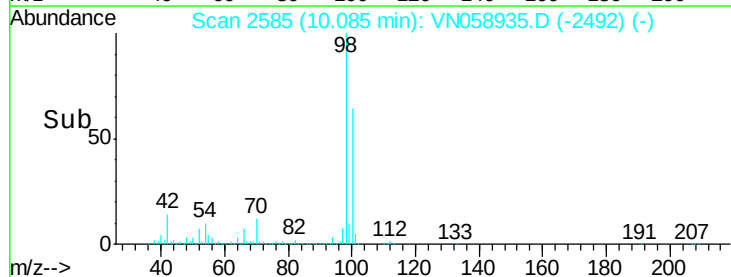
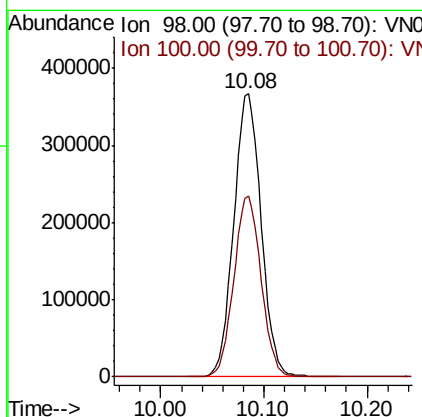
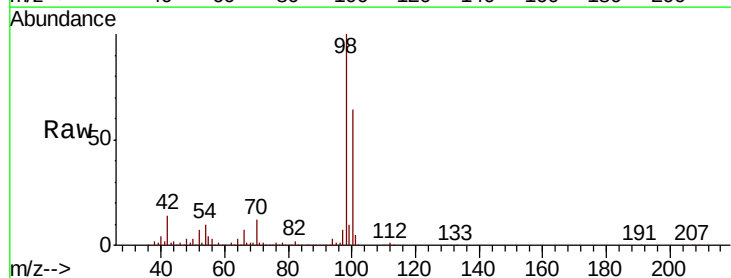
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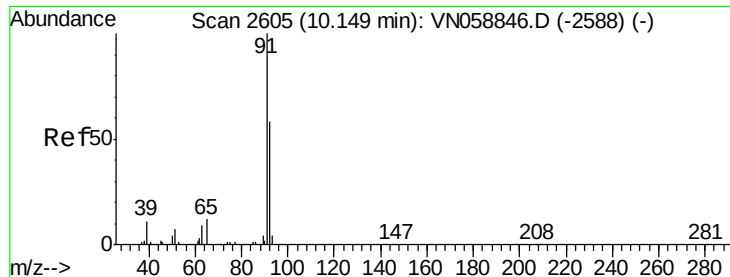
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#50
Toluene-d8
Concen: 49.635 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.4	77.2





#52

Toluene

Concen: 4.156 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

S81-0107

Tot Ion: 92 Resp: 39707

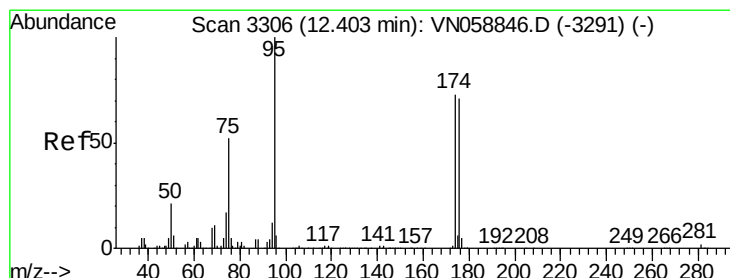
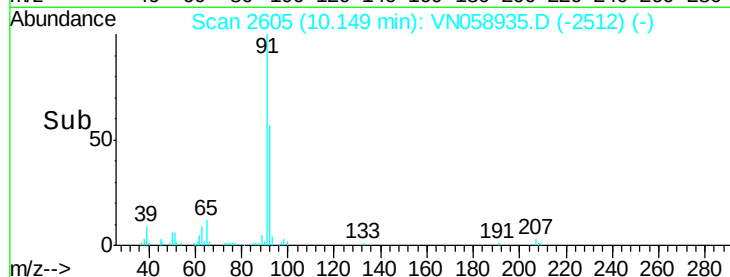
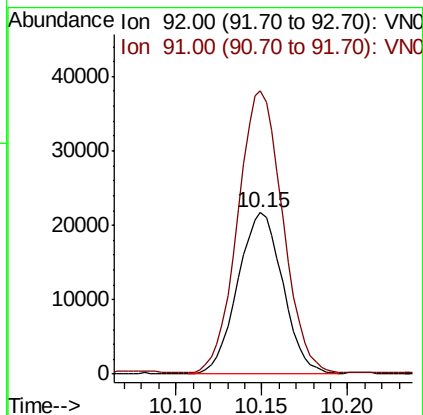
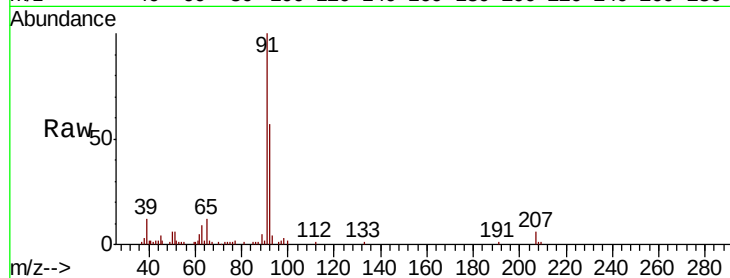
Ion Ratio Lower Upper

92 100

91 173.5 138.9 208.3

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 47.116 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

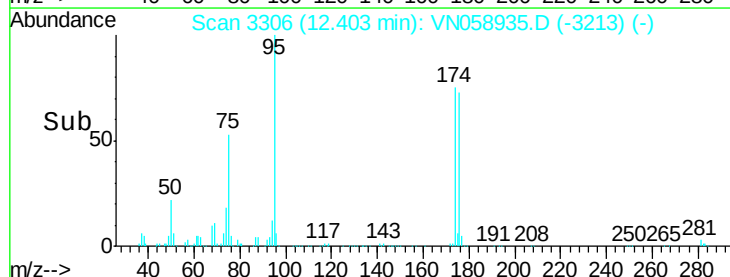
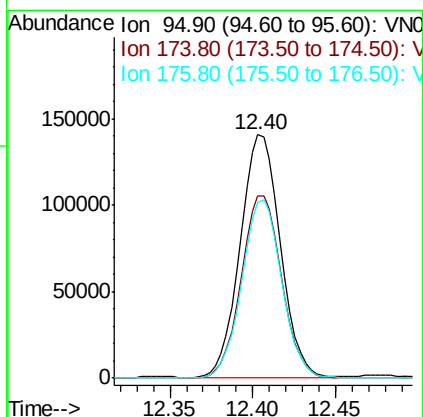
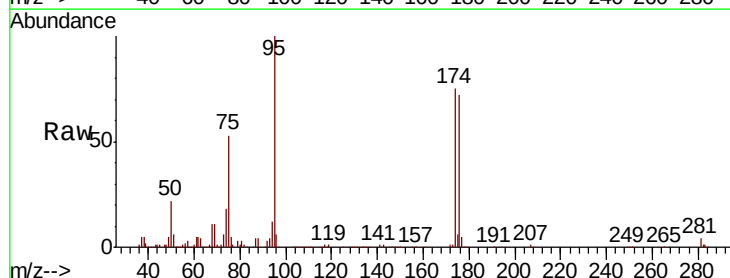
Tgt Ion: 95 Resp: 236622

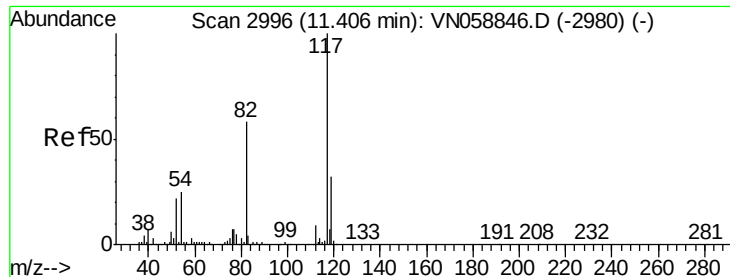
Ion Ratio Lower Upper

95 100

174 75.8 0.0 147.6

176 73.4 0.0 143.2





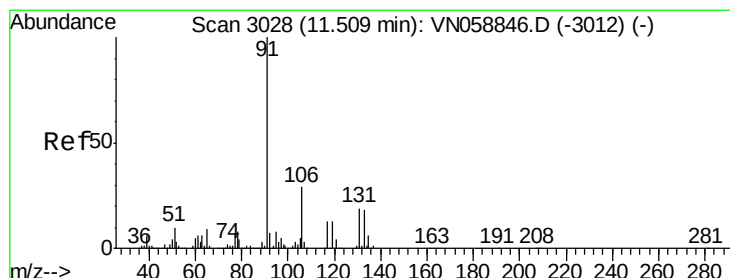
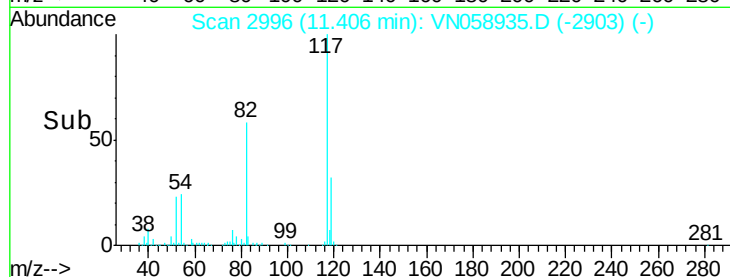
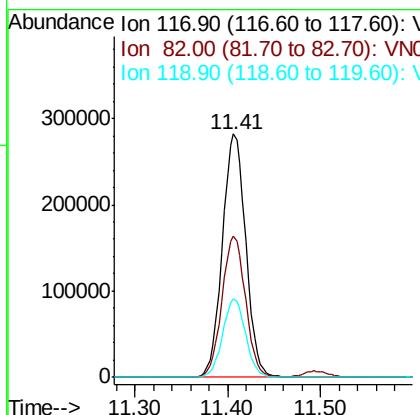
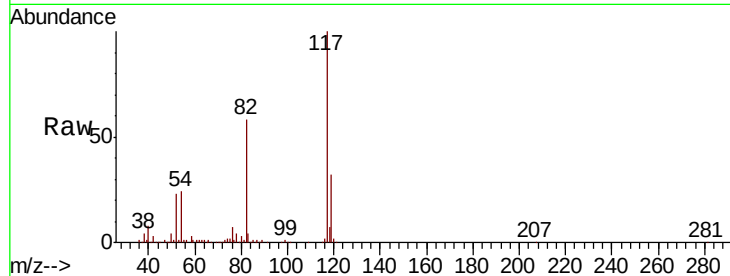
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Instrument :
MSVOA_N
ClientSampled :
S81-0107

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.6	69.8
119	32.0	25.6	38.4

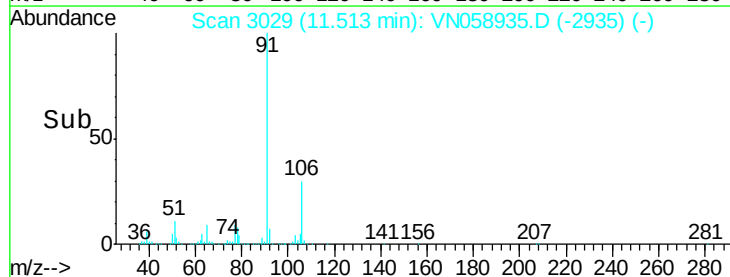
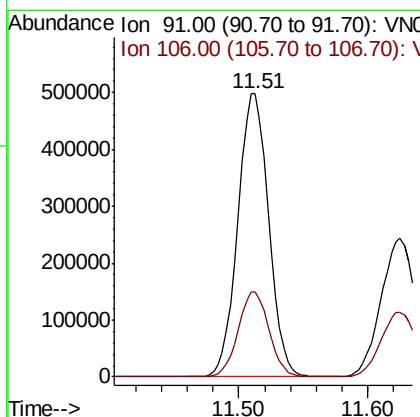
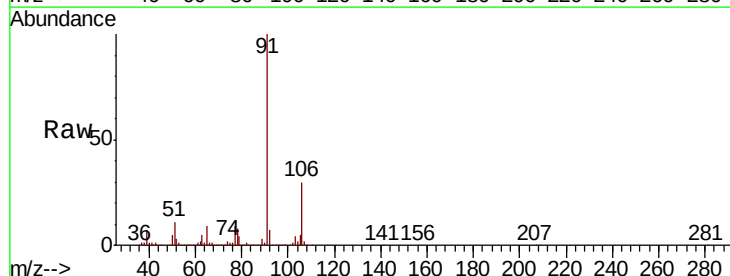
Manual Integrations
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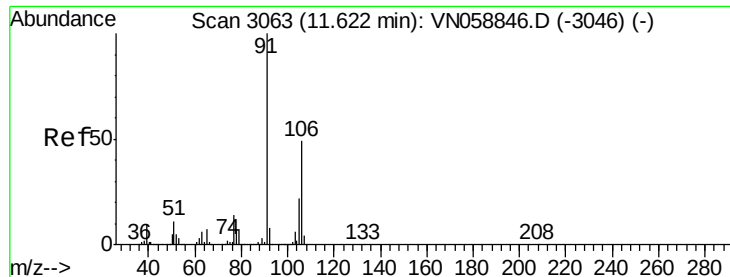
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#67
Ethyl Benzene
Concen: 47.170 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.4	35.0





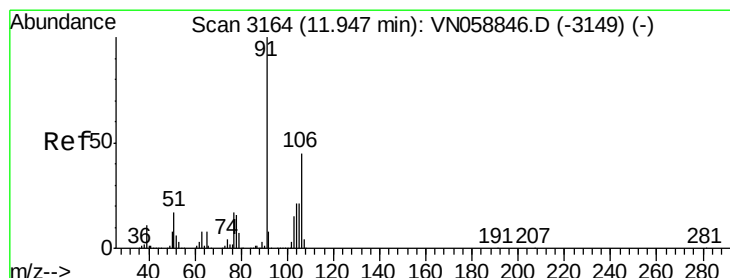
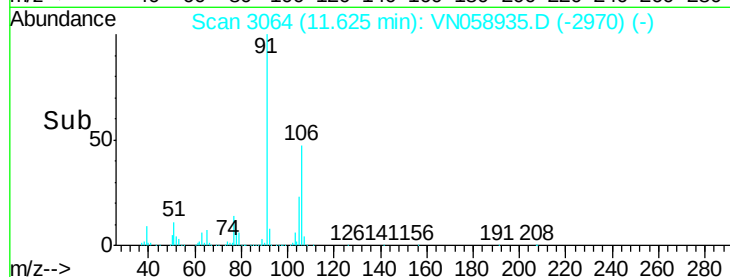
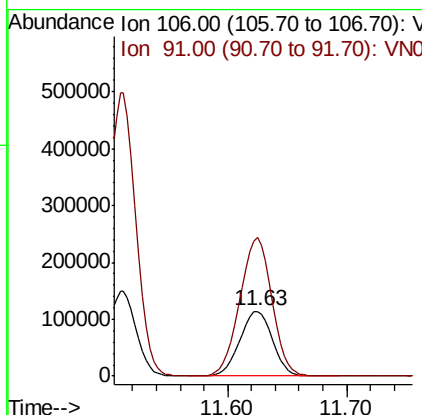
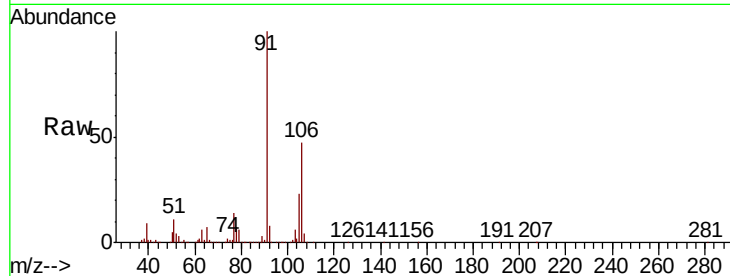
#68
m/p-Xylenes
Concen: 33.340 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Instrument :
MSVOA_N
ClientSampled :
S81-0107

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.3	166.6	249.8	

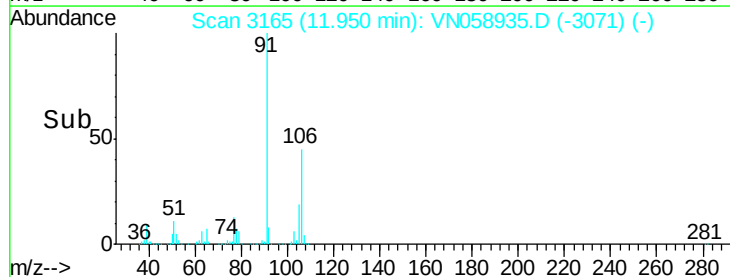
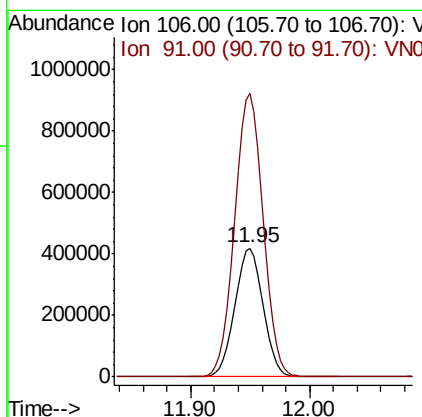
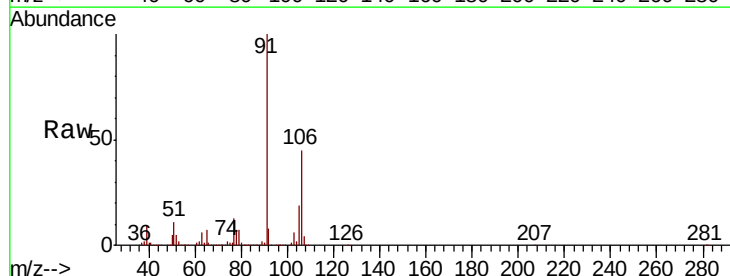
Manual Integrations
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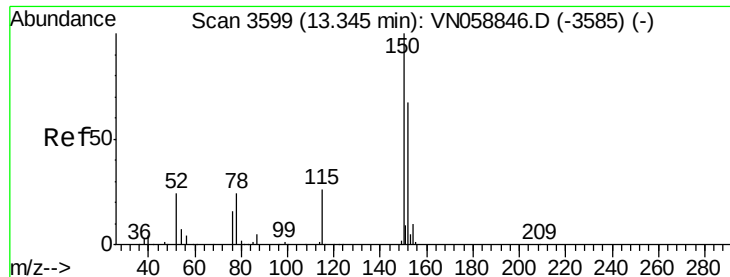
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#69
o-Xylene
Concen: 110.300 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	223.1	111.5	334.4	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

S81-0107

Tot Ion:152 Resp: 215898

Ion Ratio Lower Upper

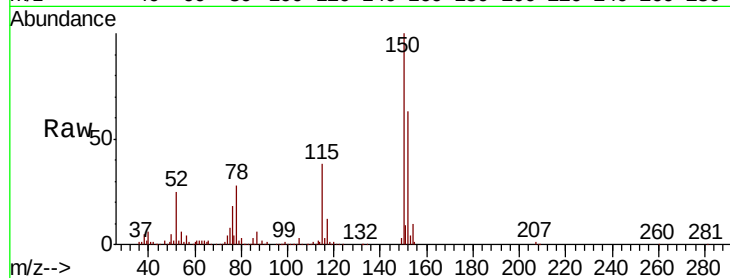
152 100

115 70.6 30.5 91.5

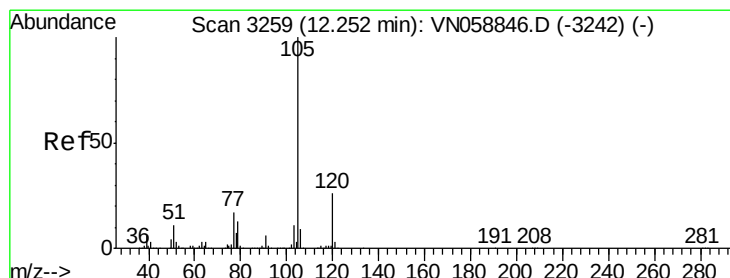
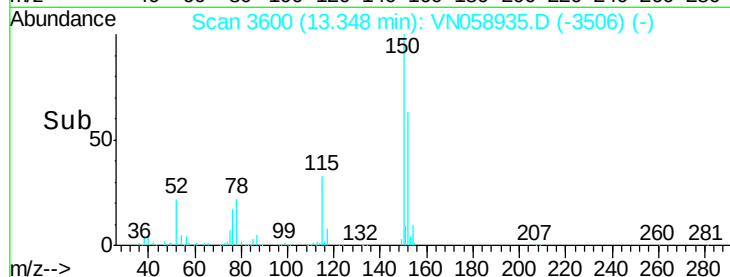
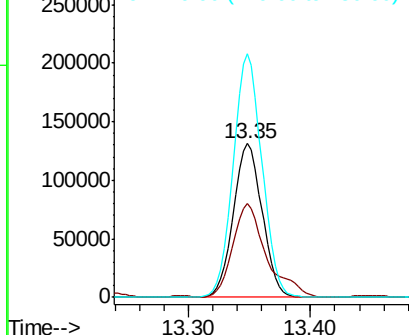
150 157.4 0.0 344.4

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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: 4.401 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058935.D

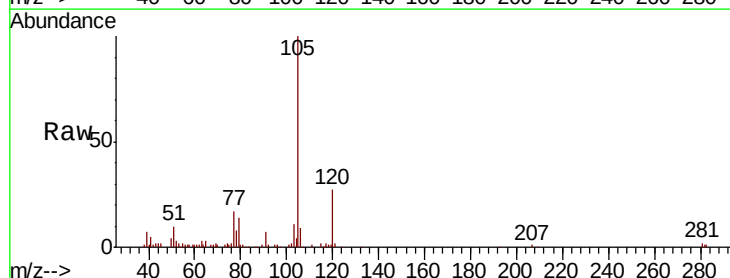
Acq: 23 Oct 2019 17:14

Tgt Ion:105 Resp: 69444

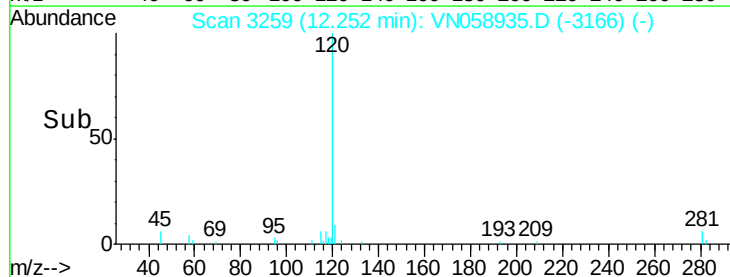
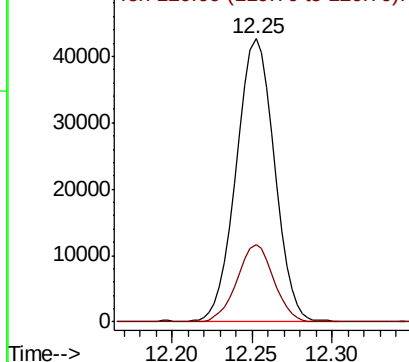
Ion Ratio Lower Upper

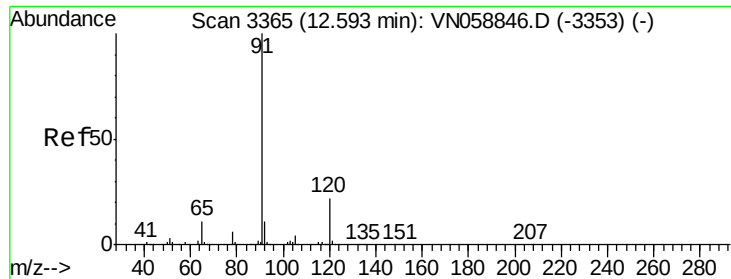
105 100

120 26.1 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.879 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

S81-0107

Tot Ion: 91 Resp: 90995

Ion Ratio Lower Upper

91 100

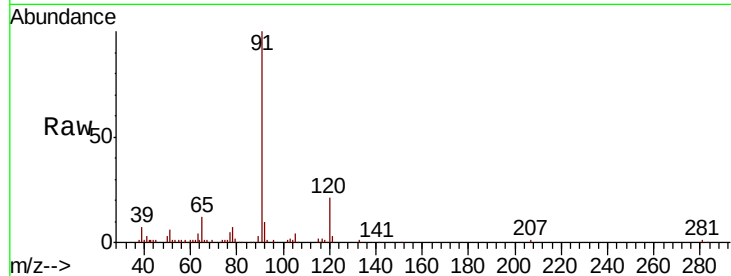
120 21.8 11.1 33.1

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Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3353) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3353) (-)

12.60

60000

50000

40000

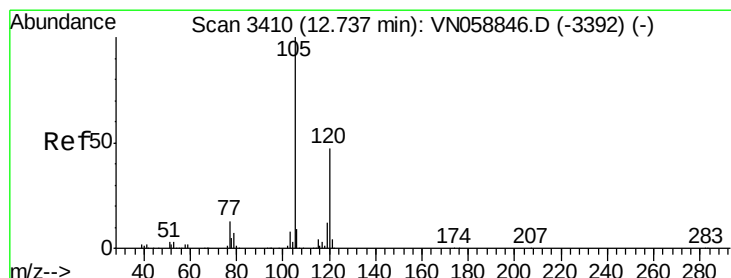
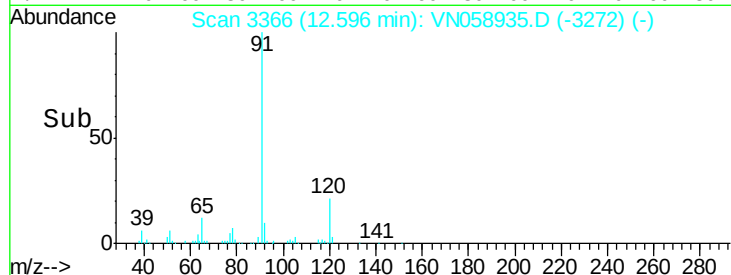
30000

20000

10000

0

Time--> 12.50 12.55 12.60 12.65



#80

1,3,5-Trimethylbenzene

Concen: 4.094 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058935.D

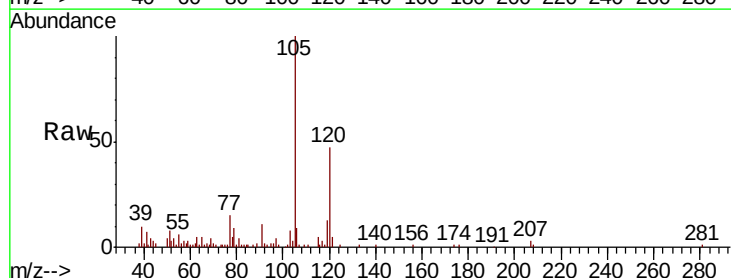
Acq: 23 Oct 2019 17:14

Tgt Ion: 105 Resp: 54267

Ion Ratio Lower Upper

105 100

120 46.5 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

12.74

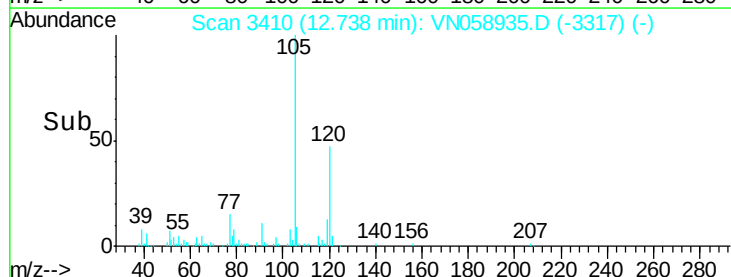
60000

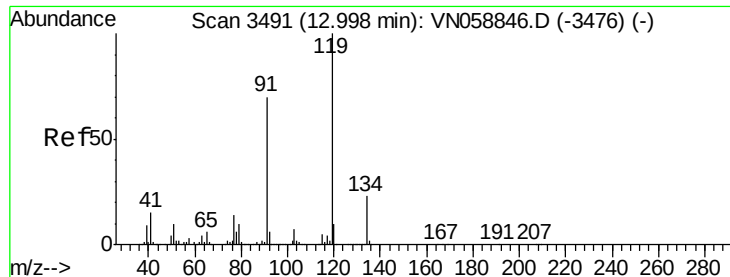
40000

20000

0

Time--> 12.70 12.75 12.80





#83

tert-Butylbenzene

Concen: 0.375 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

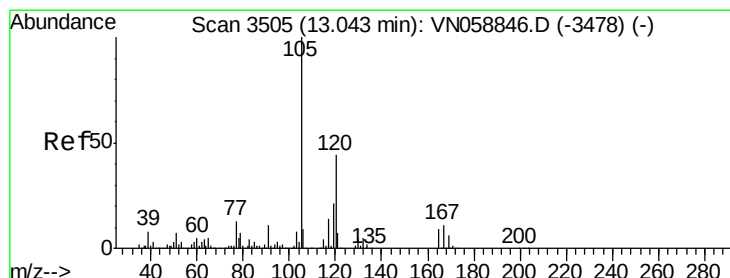
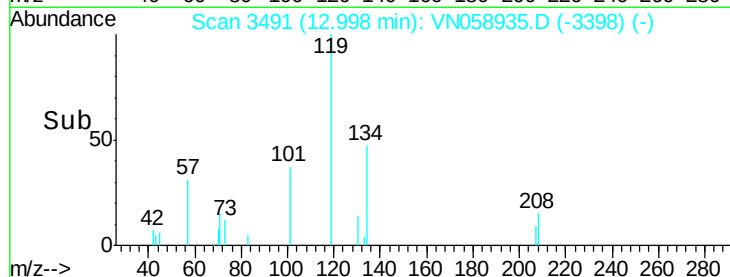
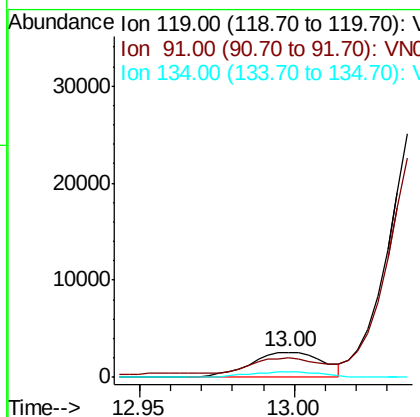
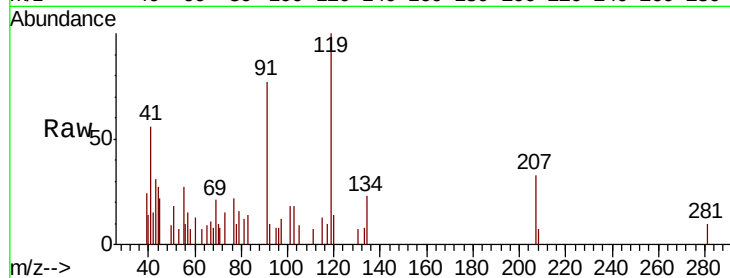
ClientSampleId :

S81-0107

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	34.1	102.3#
134	21.3	11.6	34.8

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#84

1,2,4-Trimethylbenzene

Concen: 31.990 ug/l

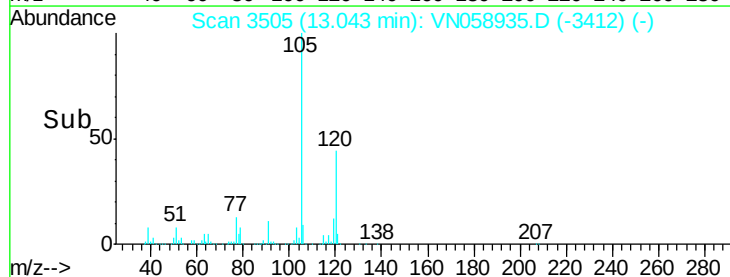
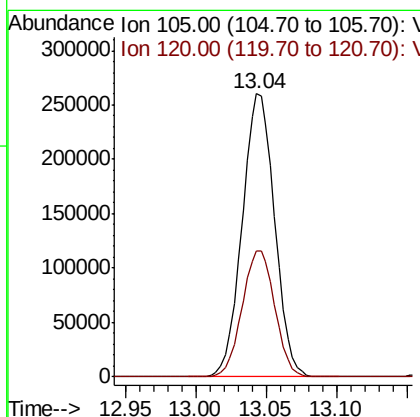
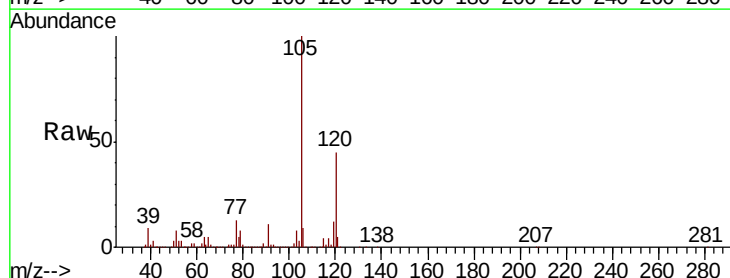
RT: 13.04 min Scan# 3505

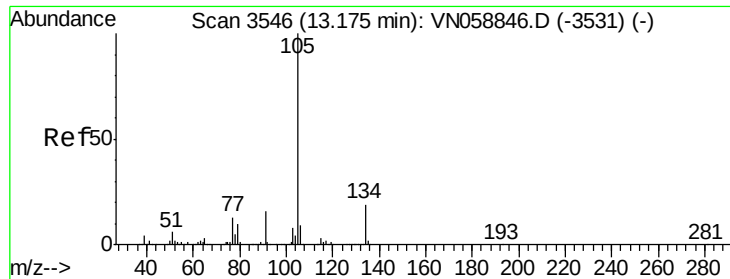
Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	21.9	65.8





#85

sec-Butylbenzene

Concen: 1.540 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

S81-0107

Tot Ion:105 Resp: 23279

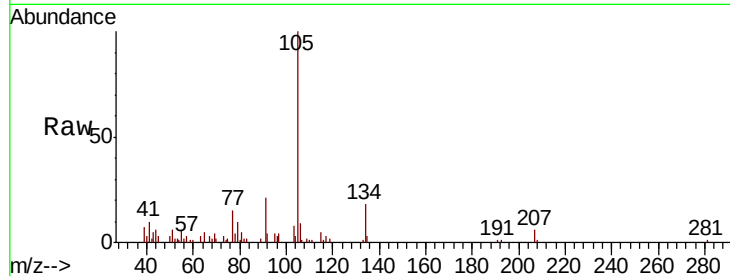
Ion Ratio Lower Upper

105 100

134 25.9 9.4 28.2

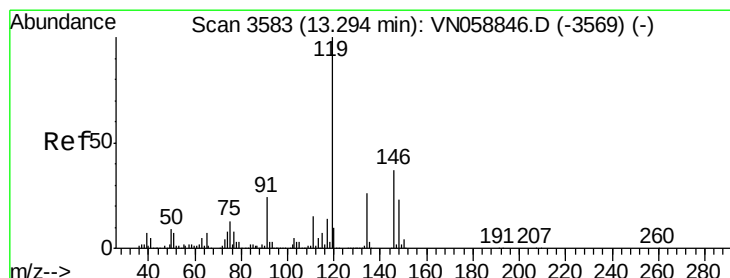
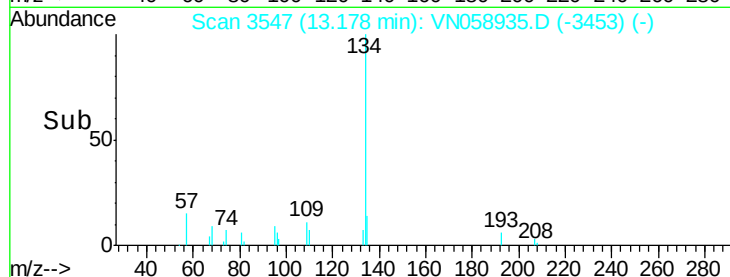
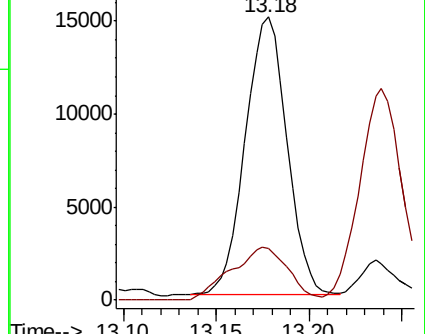
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.280 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

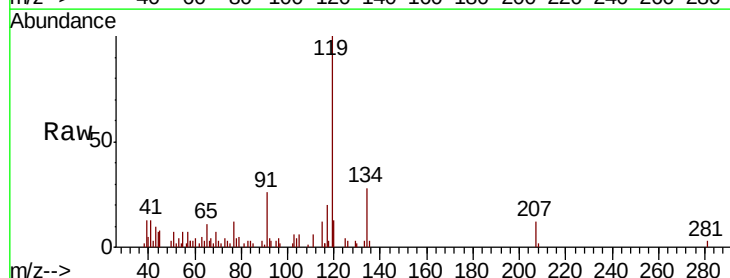
Tgt Ion:119 Resp: 17076

Ion Ratio Lower Upper

119 100

134 26.6 12.8 38.4

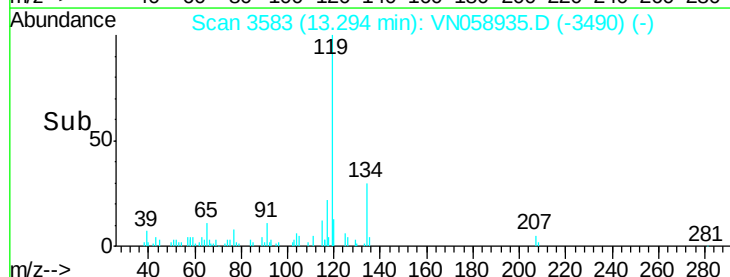
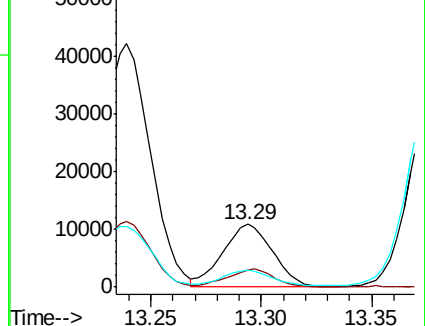
91 23.4 12.2 36.4

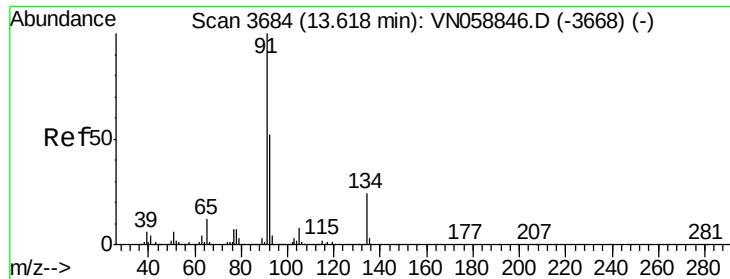


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





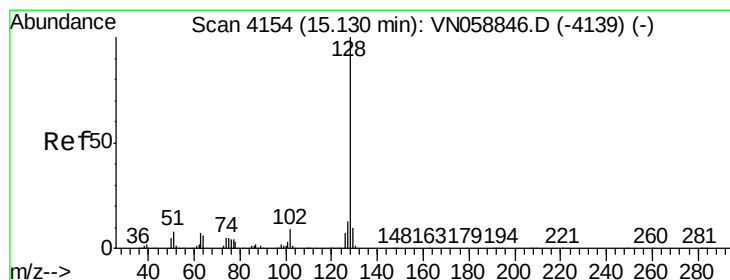
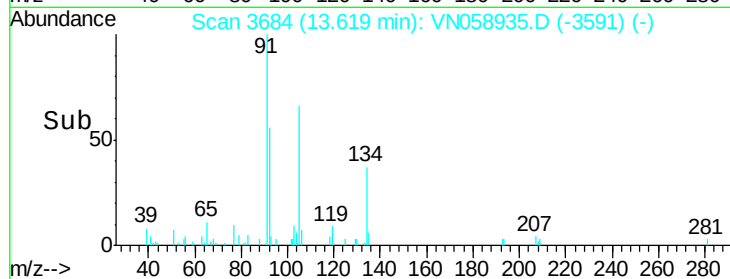
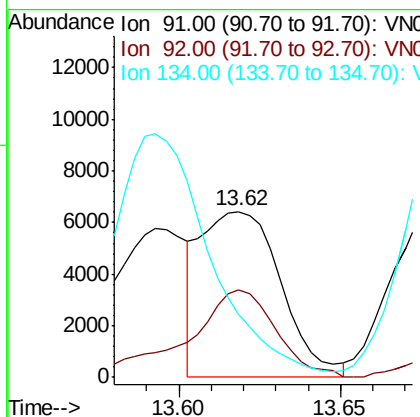
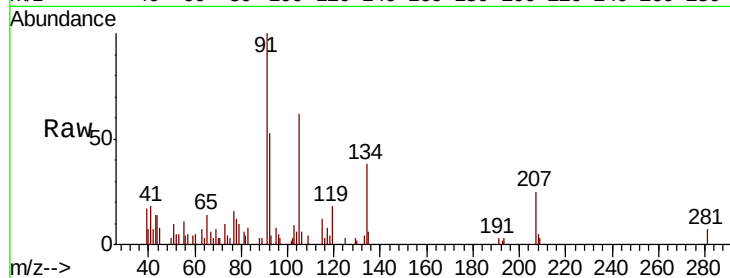
#89
n-Butylbenzene
Concen: 0.907 ug/l m
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
S81-0107

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.1#
134	165.0	11.9	35.5#

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#95
Naphthalene
Concen: 7.060 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.2	15.2
129	11.4	8.4	12.6

