

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056160.D
 Acq On : 10 Jun 2019 11:12
 Operator : JC/SP
 Sample : K2640-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 21643

Manual Integrations
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 6/11/2019 12:08:06 PM

Quant Time: Jun 10 11:36:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	339779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	513288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	523107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	243200	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	162047	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
35) Dibromofluoromethane	7.59	113	147642	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
50) Toluene-d8	10.09	98	639093	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.40	95	240961	58.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.94%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.81	59	196983	335.518	ug/l	98
16) Acetone	3.81	43	26583956m	16475.493	ug/l	
19) Methyl tert-butyl Ether	5.05	73	87205	9.591	ug/l #	83
20) Methylene Chloride	4.54	84	21962	6.607	ug/l	98
25) 2-Butanone	6.84	43	135276	66.355	ug/l	99
29) Tetrahydrofuran	7.22	42	3818	3.030	ug/l #	75
31) Cyclohexane	7.65	56	155382	29.025	ug/l	95
37) Ethyl Acetate	6.94	43	47269	12.037	ug/l	98
39) Methylcyclohexane	9.08	83	52607	9.568	ug/l	97
40) Benzene	8.04	78	8787011	655.504	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	66824	16.792	ug/l	94
52) Toluene	10.15	92	23009746m	2758.498	ug/l	
67) Ethyl Benzene	11.51	91	5423549	299.596	ug/l	99
68) m/p-Xylenes	11.62	106	6979974	1009.326	ug/l	99
69) o-Xylene	11.95	106	3430421	504.289	ug/l	100
73) Isopropylbenzene	12.25	105	209644	10.165	ug/l	100
78) n-propylbenzene	12.59	91	550027	26.733	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	575649	35.204	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2254843	145.414	ug/l	100
95) Naphthalene	15.13	128	187526	18.731	ug/l	100

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

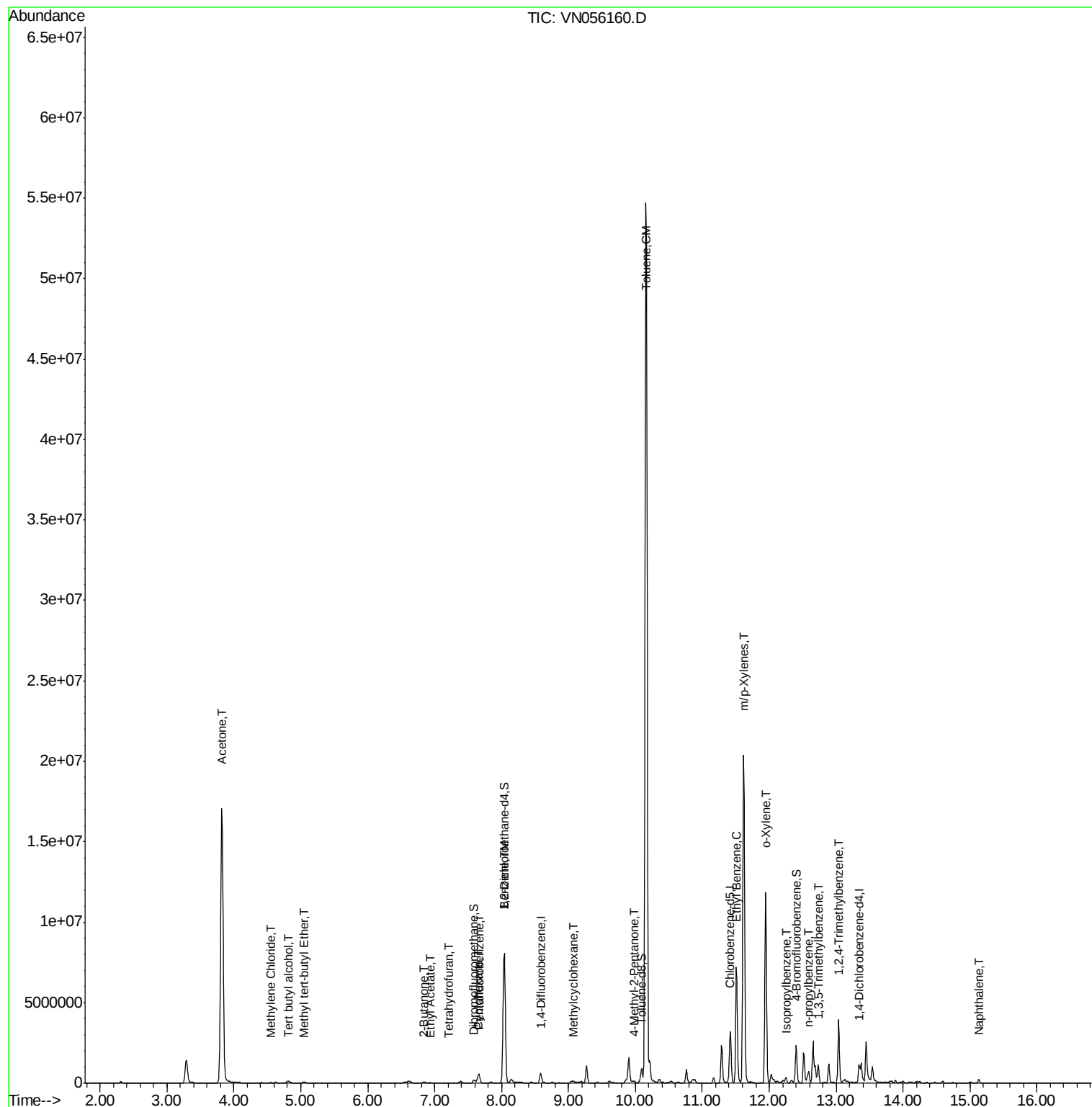
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061019\
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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056160.D

Acq: 10 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

21643

Tot Ion:168 Resp: 339779

Ion Ratio Lower Upper

168 100

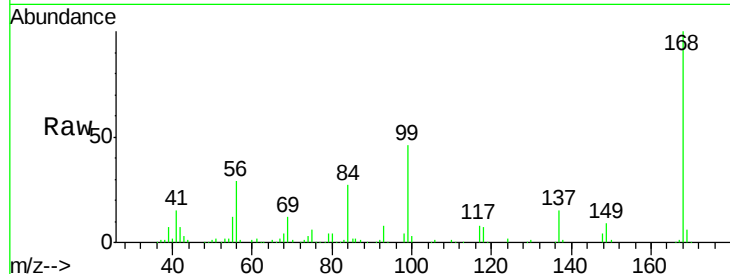
99 46.3 37.2 55.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

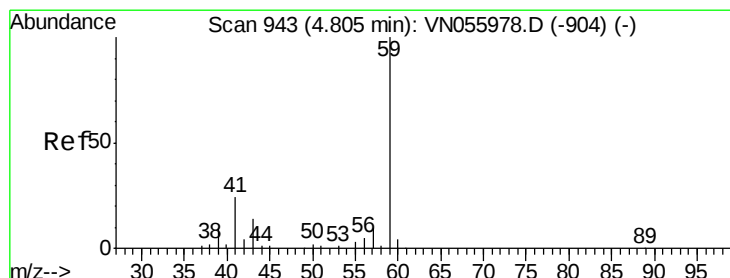
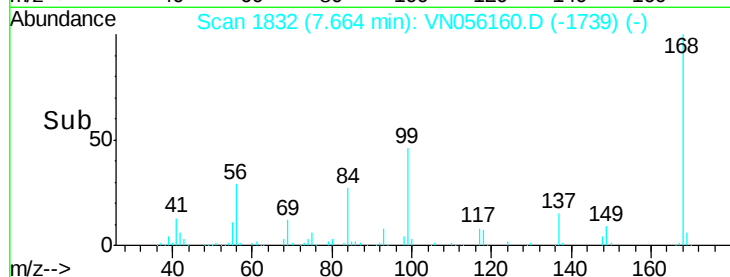
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 335.518 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.01 min

Lab File: VN056160.D

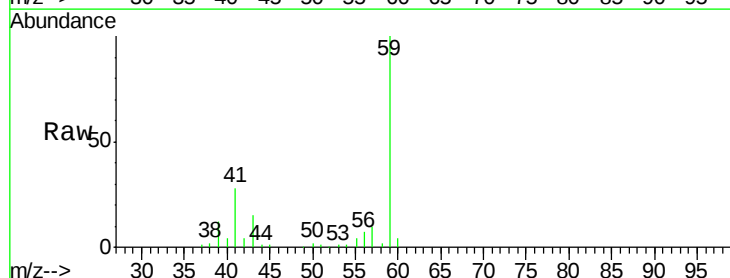
Acq: 10 Jun 2019 11:12

Tgt Ion: 59 Resp: 196983

Ion Ratio Lower Upper

59 100

57 10.3 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.81

60000

50000

40000

30000

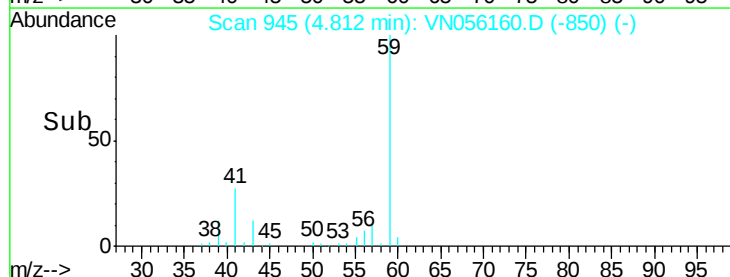
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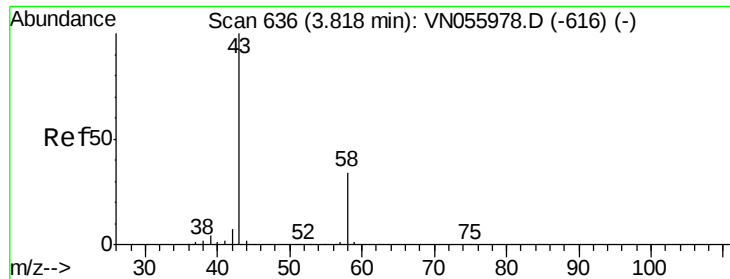
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0

4.70 4.80 4.90 5.00

Time-->





#16

Acetone

Concen: 16475.493 ug/l m

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN056160.D

Acq: 10 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

21643

Tot Ion: 43 Resp: 26583956

Ion Ratio Lower Upper

43 100

58 36.9

26.6

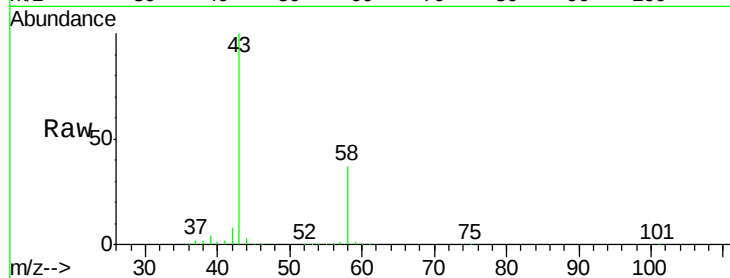
39.8

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Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)

8000000

6000000

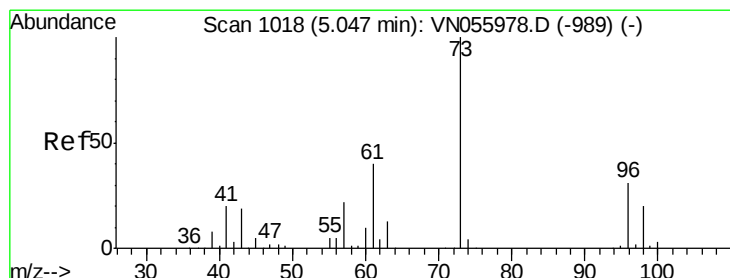
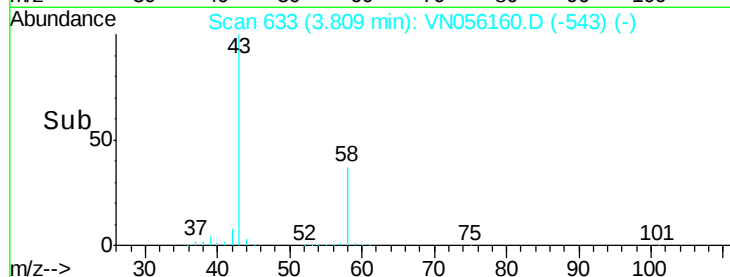
4000000

2000000

0

3.60 3.80 4.00

Time-->



#19

Methyl tert-butyl Ether

Concen: 9.591 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN056160.D

Acq: 10 Jun 2019 11:12

Tgt Ion: 73 Resp: 87205

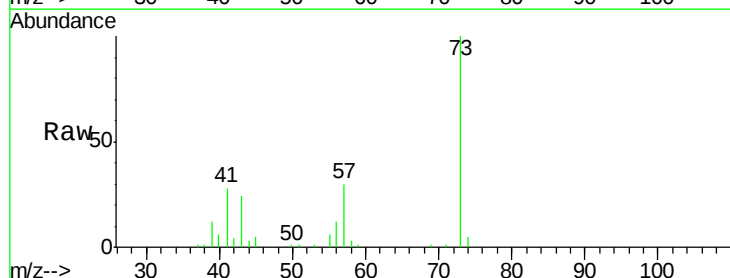
Ion Ratio Lower Upper

73 100

57 30.5

17.8

26.8#



Abundance Ion 73.00 (72.70 to 73.70): VN055978.D (-989) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-989) (-)

25000

20000

15000

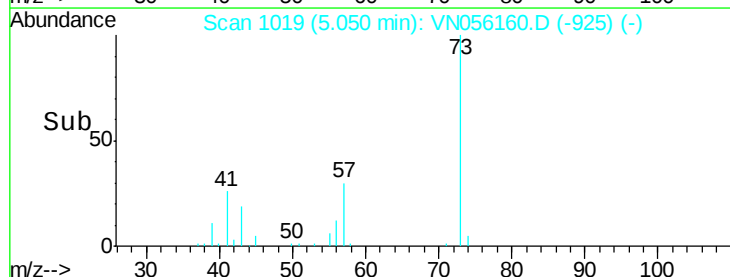
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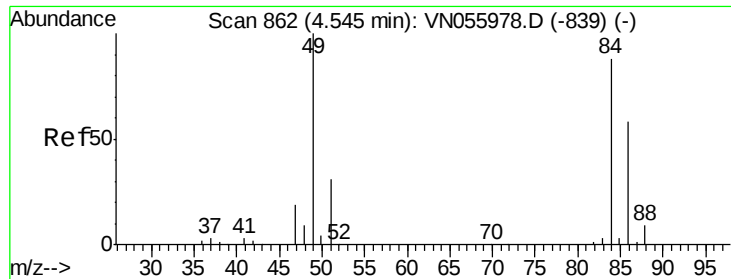
5000

0

4.90 5.00 5.10 5.20

Time-->





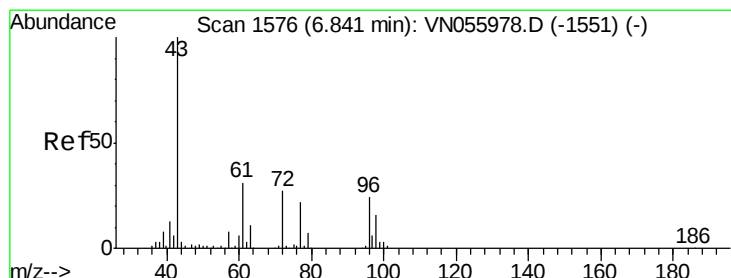
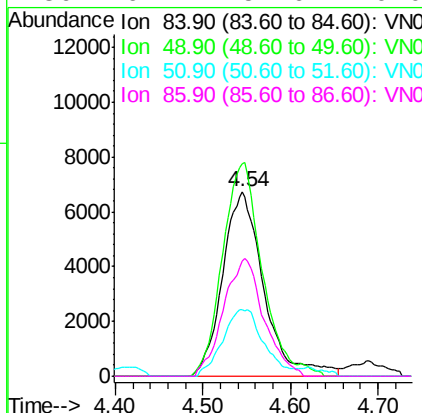
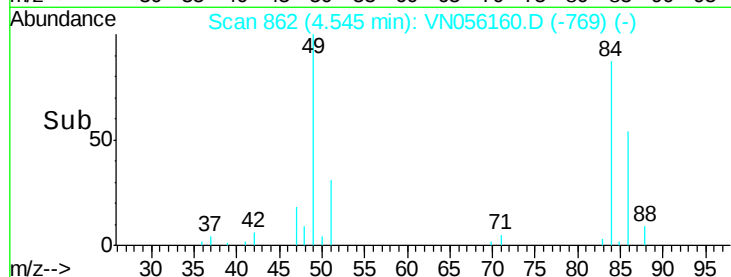
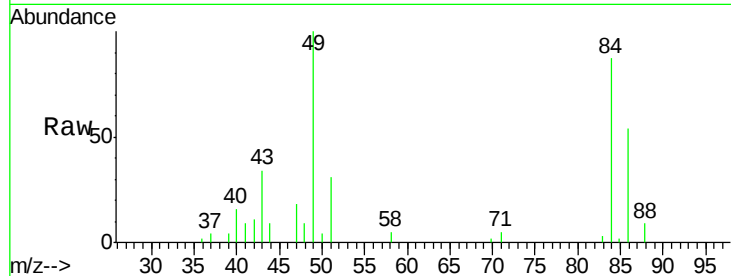
#20
Methvlene Chloride
Concen: 6.607 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
21643

Tot Ion	84	Resp	21962
Ion	Ratio	Lower	Upper
84	100		
49	115.2	93.5	140.3
51	35.8	28.6	43.0
86	62.4	52.6	79.0

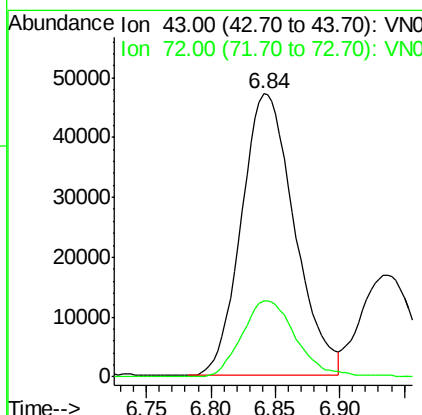
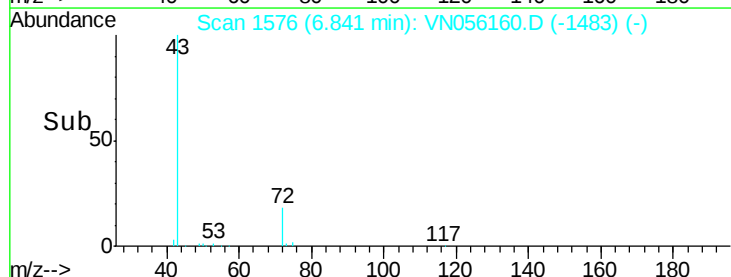
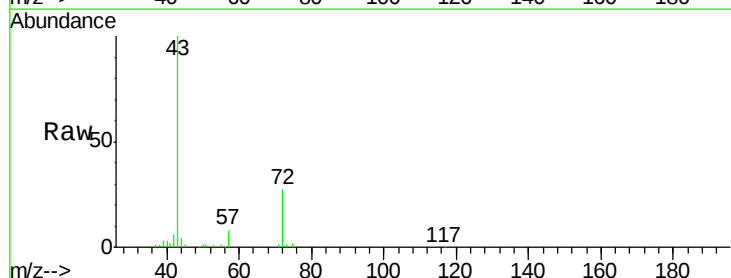
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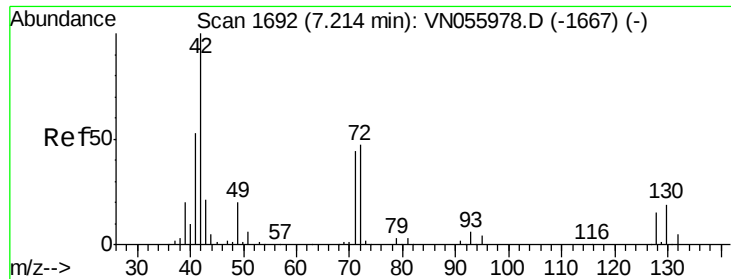
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#25
2-Butanone
Concen: 66.355 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Tgt Ion	43	Resp	135276
Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.9	32.9





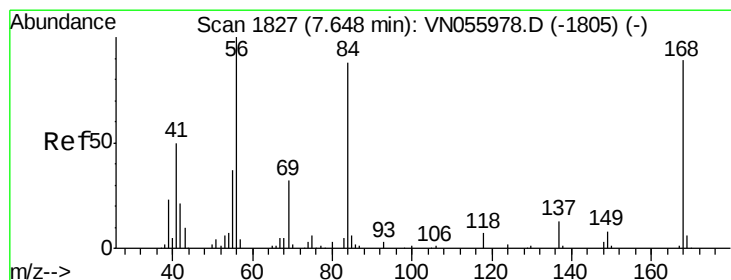
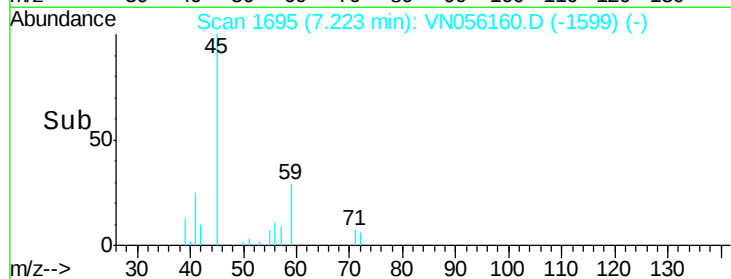
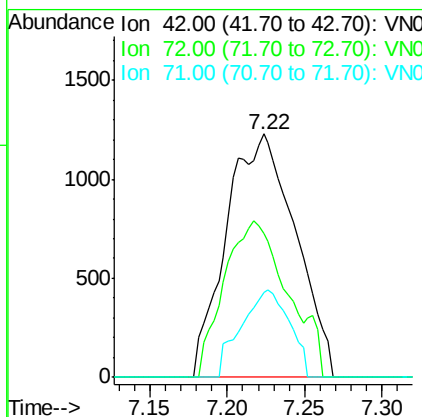
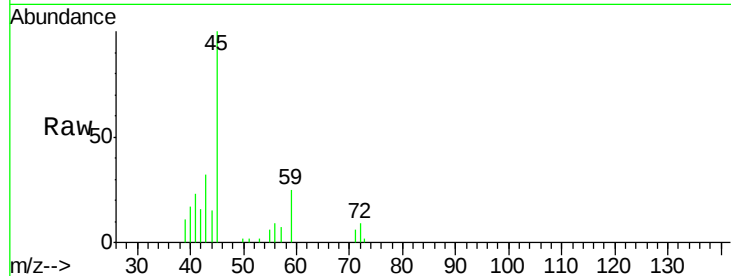
#29
Tetrahydrofuran
Concen: 3.030 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
21643

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.2	35.9	53.9#
71	25.1	34.0	51.0#

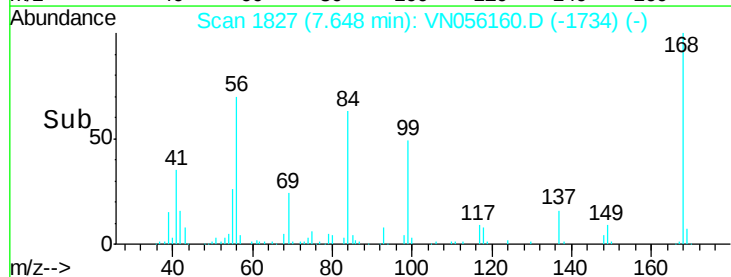
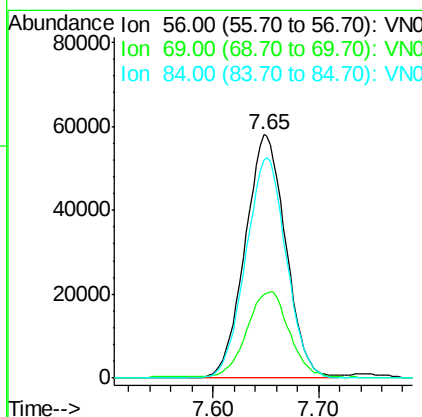
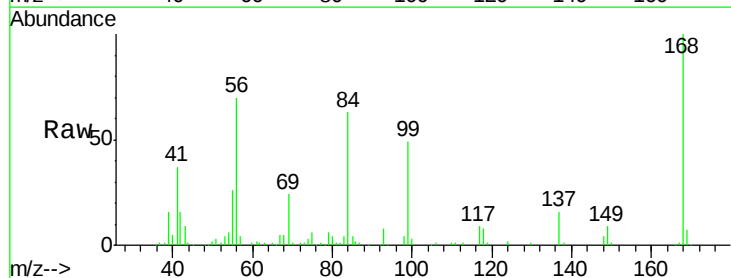
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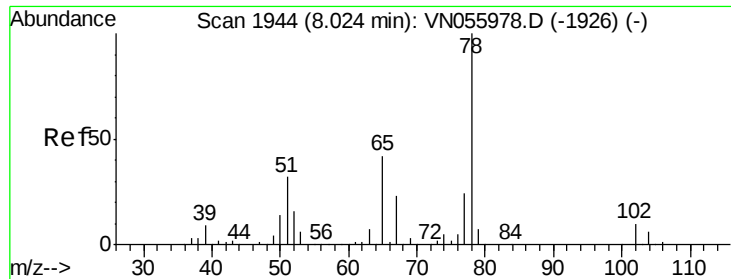
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#31
Cyclohexane
Concen: 29.025 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.8	25.6	38.4
84	89.4	67.4	101.0





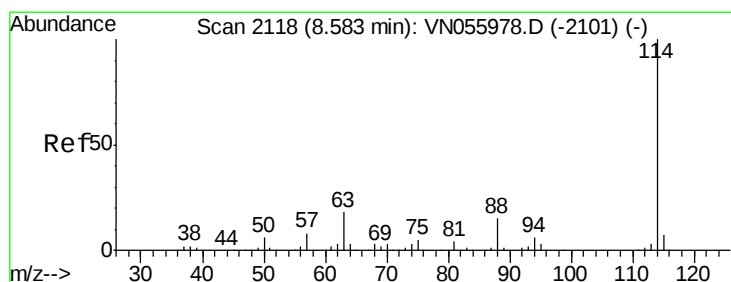
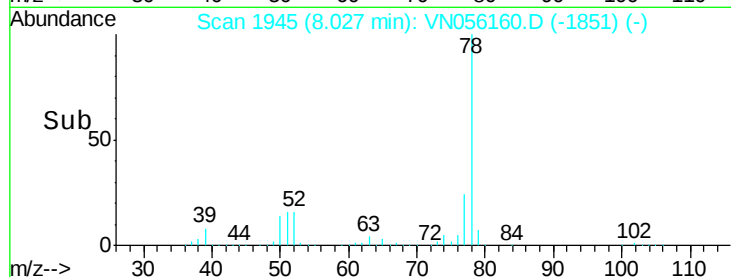
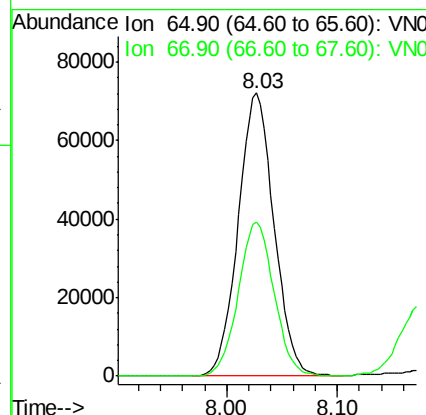
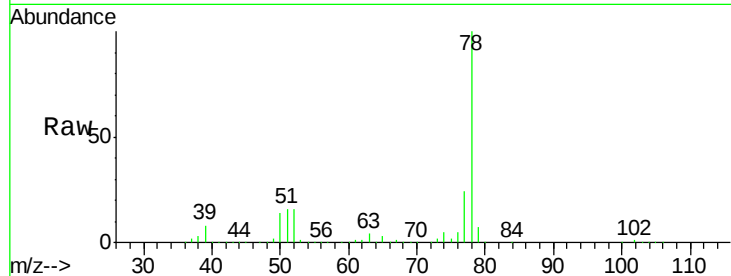
#33
 1,2-Dichloroethane-d4
 Concen: 48.032 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056160.D
 Acq: 10 Jun 2019 11:12

Instrument :
 MSVOA_N
 ClientSampled :
 21643

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162047		
67	54.4	0.0	109.2	

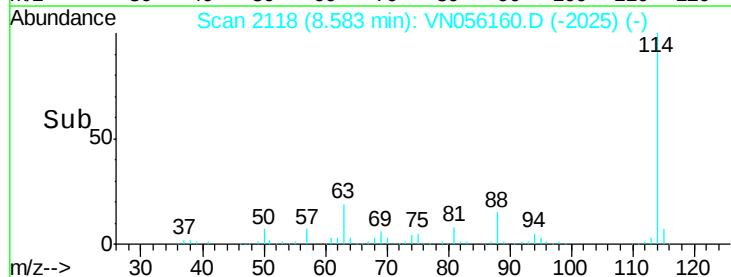
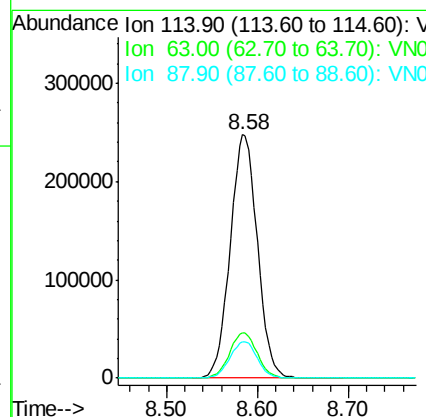
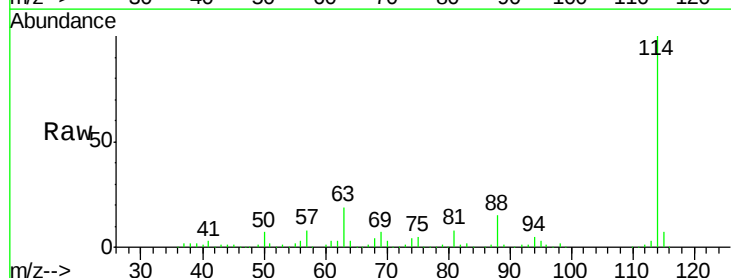
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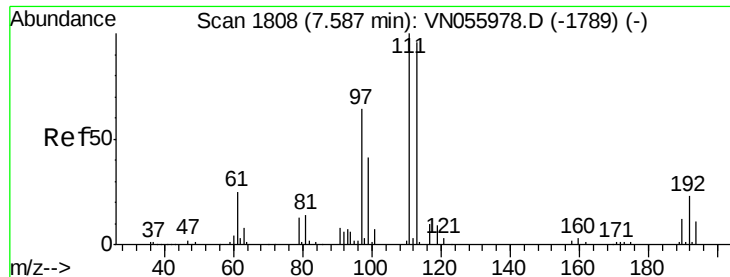
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056160.D
 Acq: 10 Jun 2019 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	513288		
63	18.8	0.0	39.2	
88	14.9	0.0	31.0	





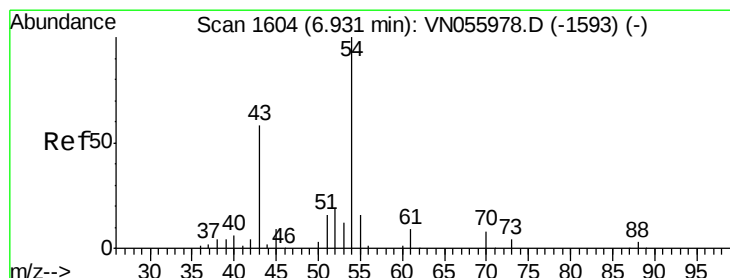
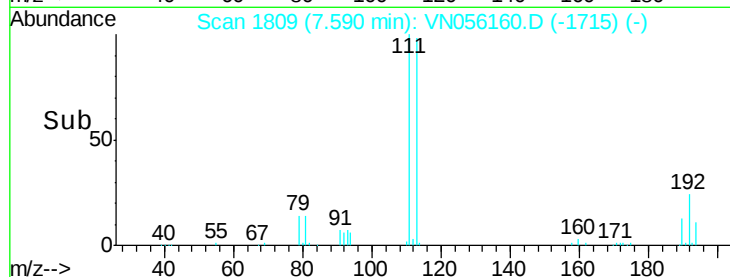
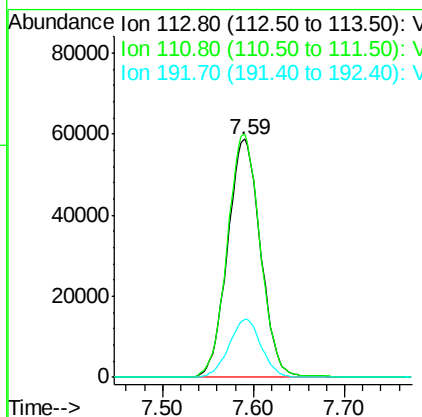
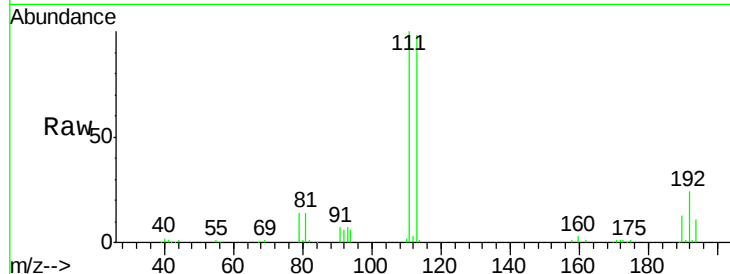
#35
Dibromofluoromethane
Concen: 46.883 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampled :
21643

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147642		
111	101.8	81.9	122.9	
192	23.8	19.5	29.3	

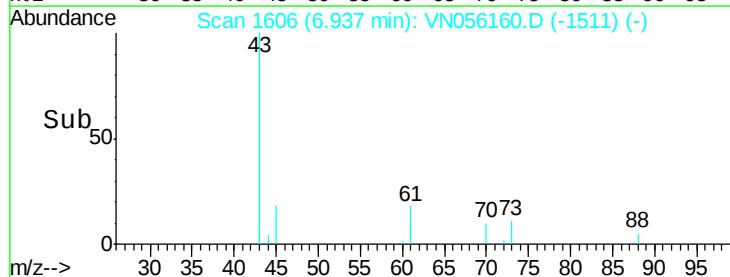
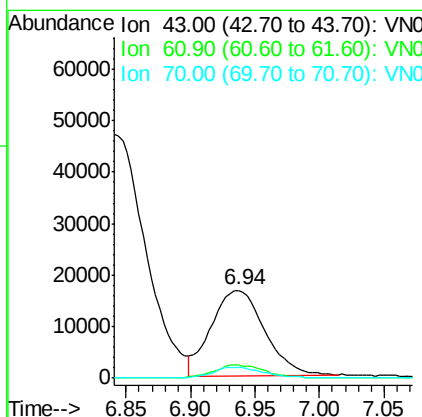
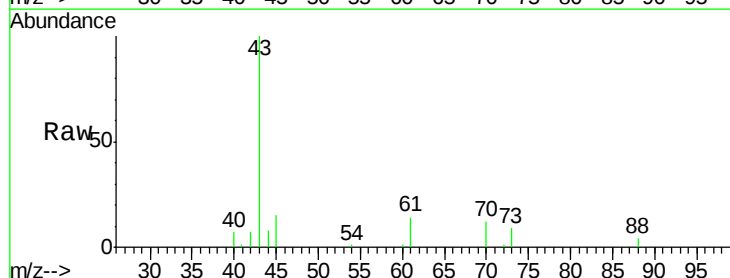
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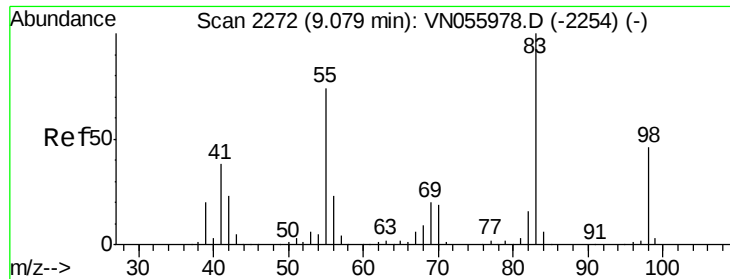
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#37
Ethyl Acetate
Concen: 12.037 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	47269		
61	14.8	12.2	18.2	
70	12.1	8.9	13.3	





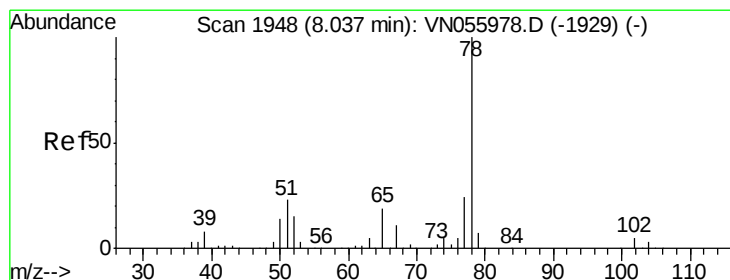
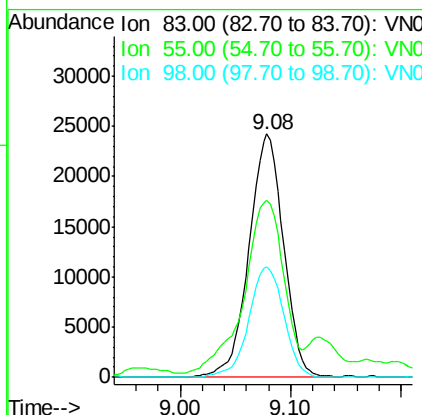
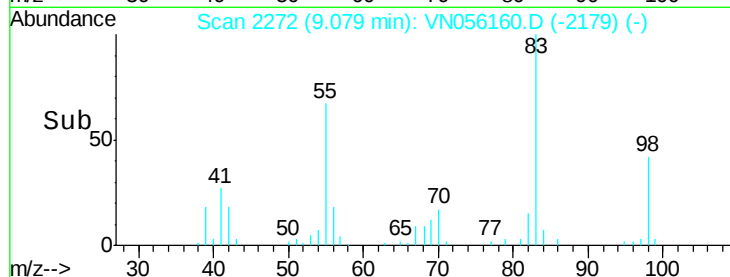
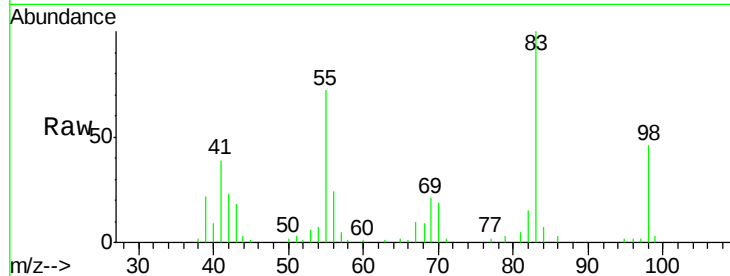
#39
Methvlcvclohexane
Concen: 9.568 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampled :
21643

Tot Ion	83	Resp	52607
Ion	Ratio	Lower	Upper
83	100		
55	70.2	59.3	88.9
98	45.5	36.6	54.8

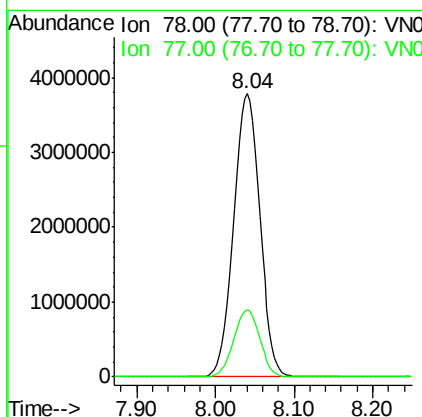
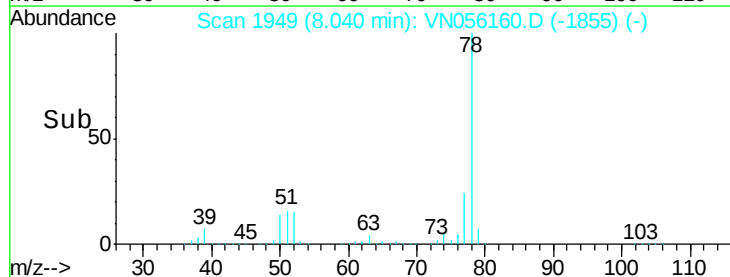
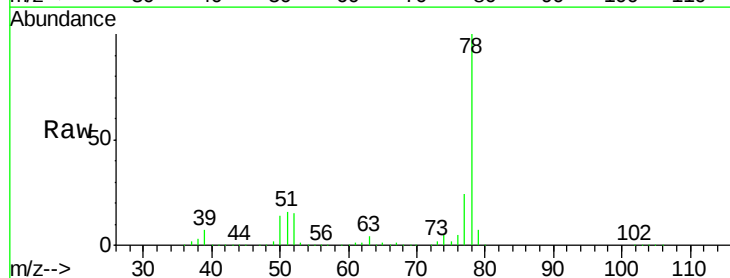
Manual Integrations
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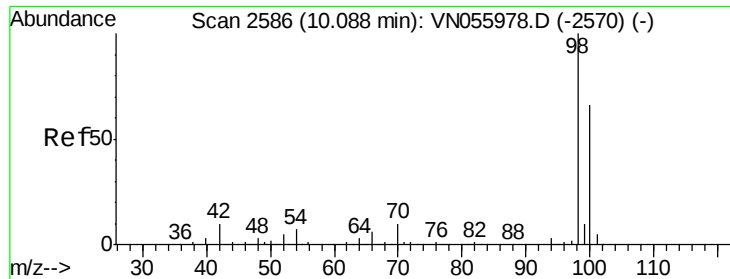
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6/11/2019 12:08:06 PM



#40
Benzene
Concen: 655.504 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Tgt Ion	78	Resp	8787011
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





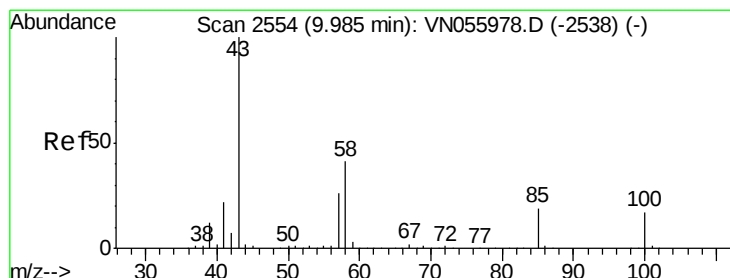
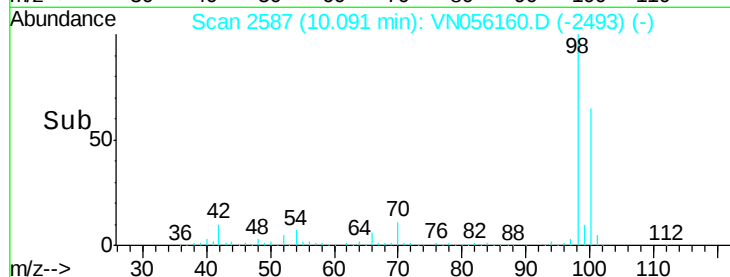
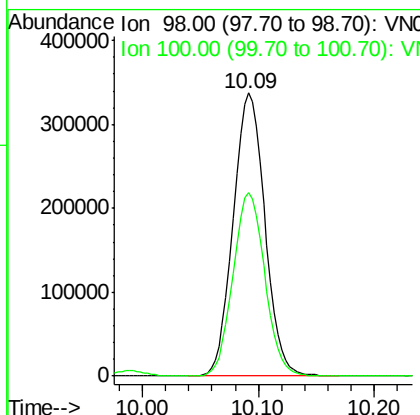
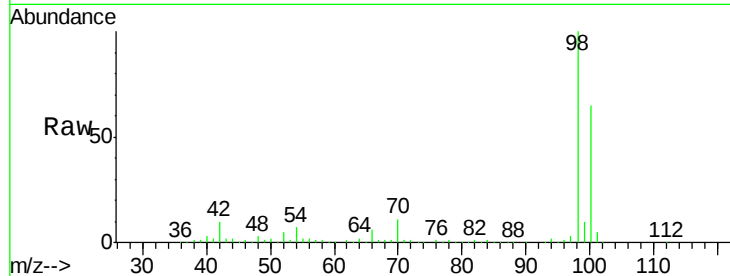
#50
Toluene-d8
Concen: 52.739 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampled :
21643

Tot Ion: 98 Resp: 639093
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

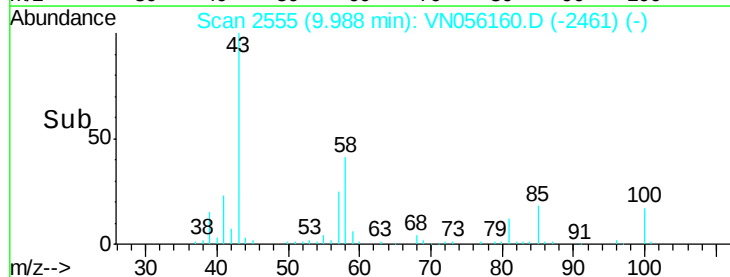
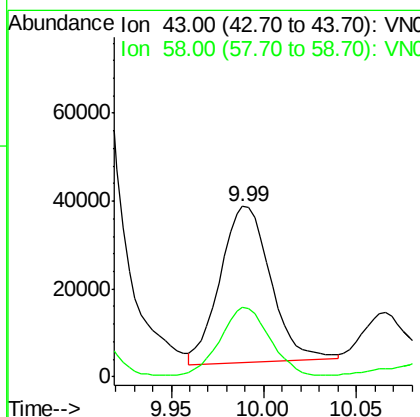
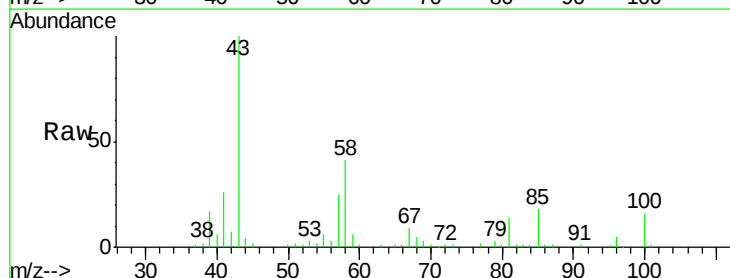
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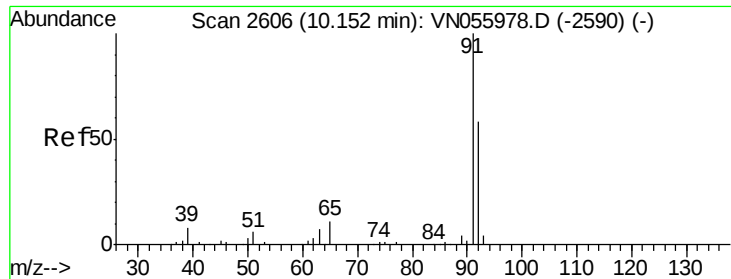
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6/11/2019 12:08:06 PM



#51
4-Methyl-2-Pentanone
Concen: 16.792 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Tgt Ion: 43 Resp: 66824
Ion Ratio Lower Upper
43 100
58 43.8 32.1 48.1





#52

Toluene

Concen: 2758.498 ug/l m

RT: 10.15 min Scan# 2604

Delta R.T. -0.01 min

Lab File: VN056160.D

Acq: 10 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

21643

Tot Ion: 92 Resp: 23009746

Ion Ratio Lower Upper

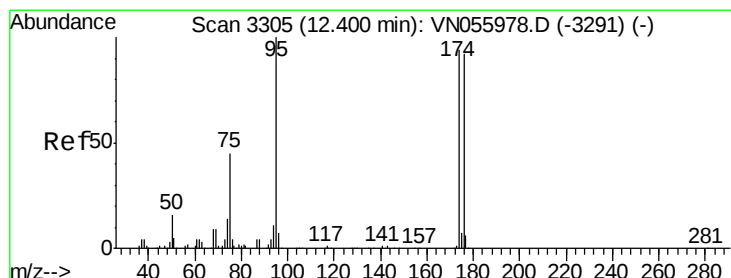
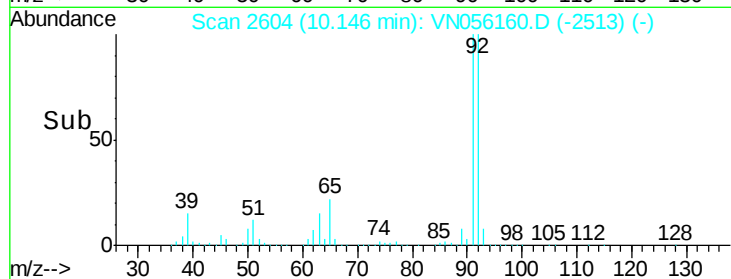
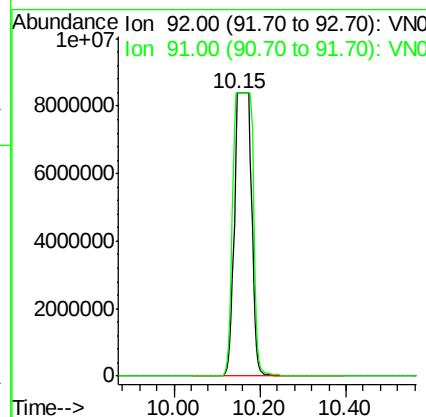
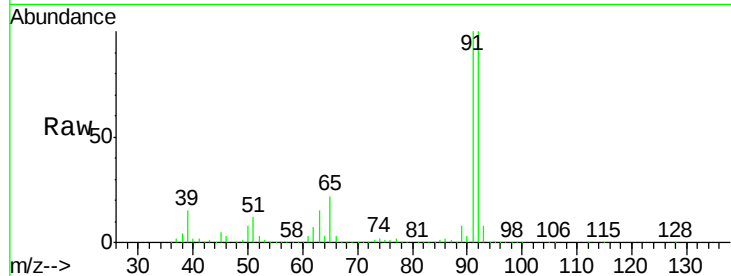
92 100

91 0.0 139.4 209.2#

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6/11/2019 12:08:06 PM



#62

4-Bromofluorobenzene

Concen: 58.470 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056160.D

Acq: 10 Jun 2019 11:12

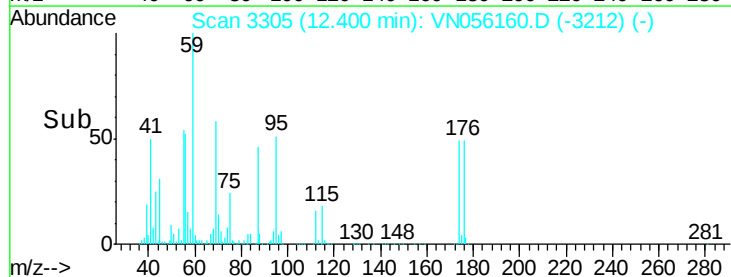
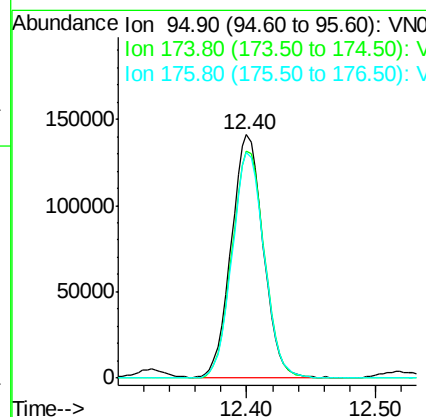
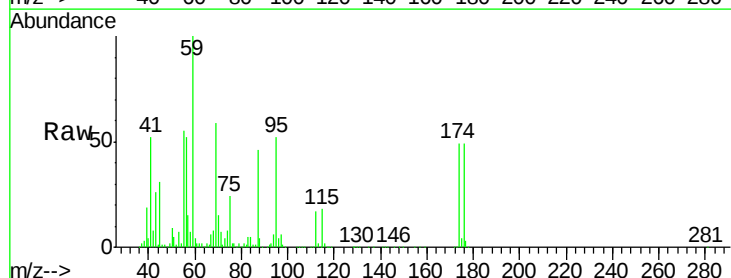
Tgt Ion: 95 Resp: 240961

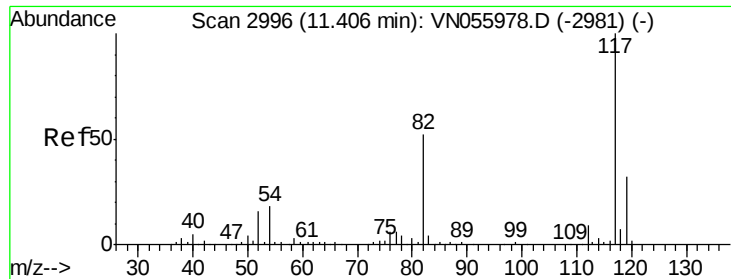
Ion Ratio Lower Upper

95 100

174 95.4 0.0 191.0

176 93.5 0.0 185.2





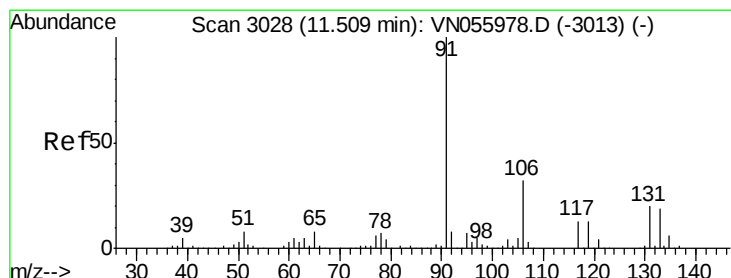
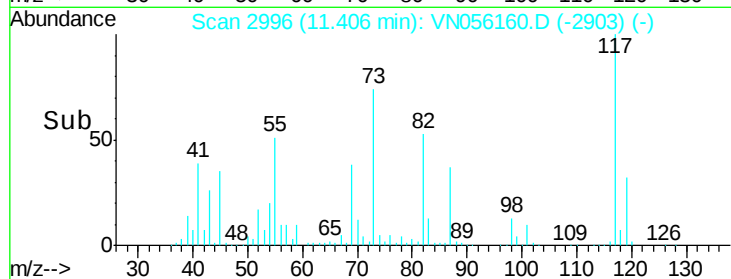
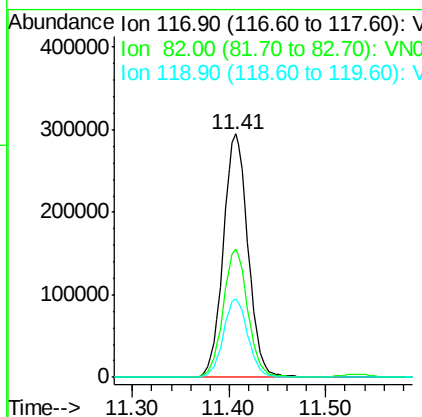
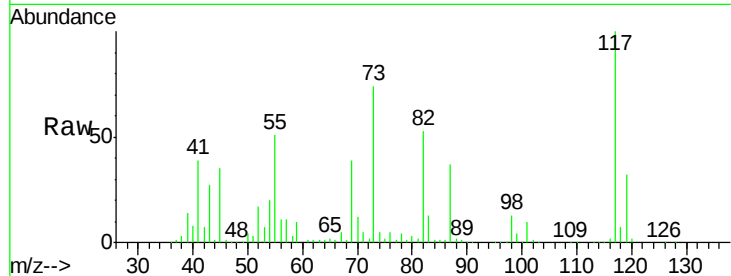
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampled :
21643

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.8	62.8
119	32.4	25.4	38.0

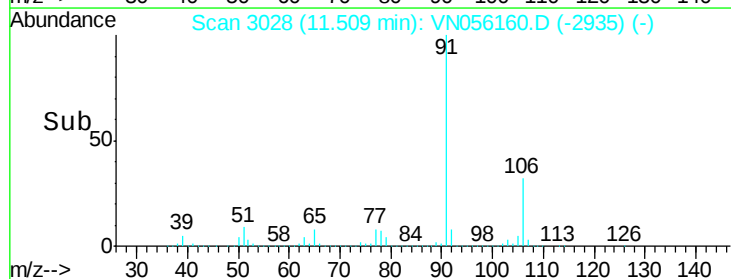
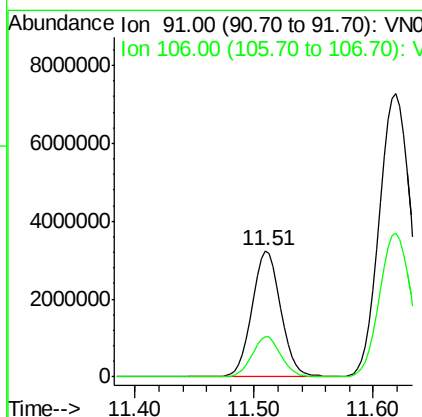
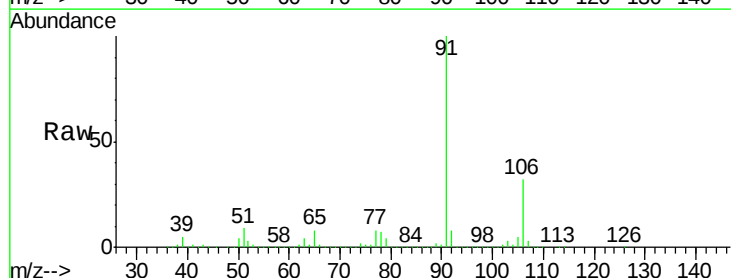
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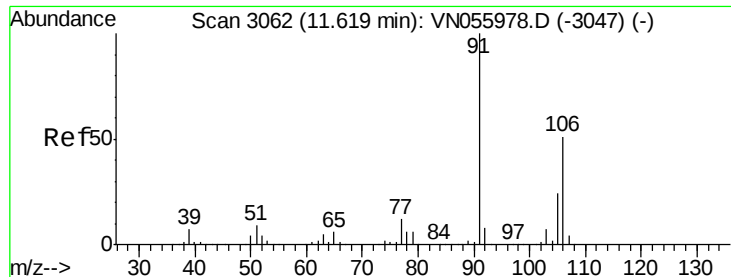
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6/11/2019 12:08:06 PM



#67
Ethyl Benzene
Concen: 299.596 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.1	37.7





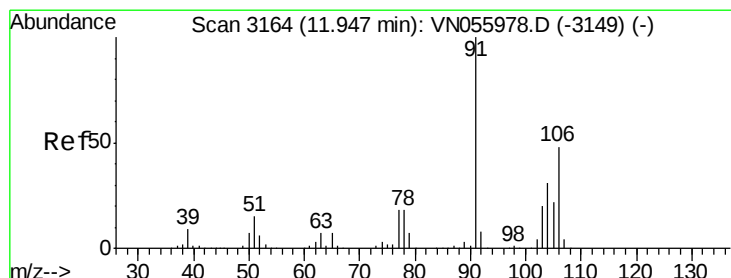
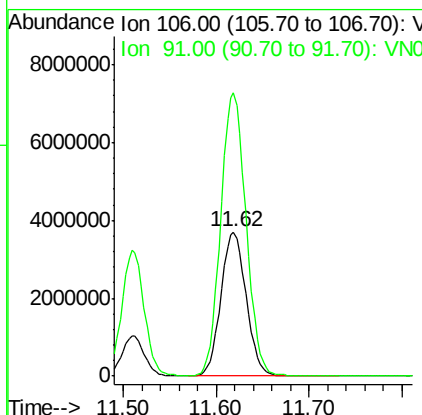
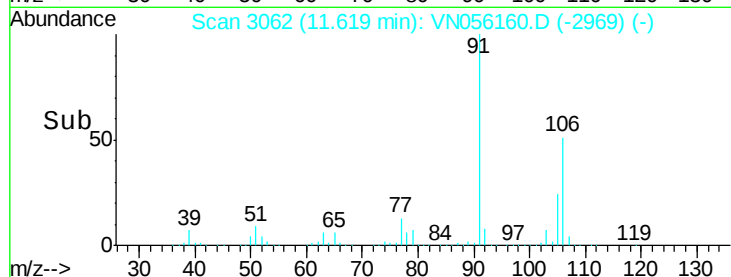
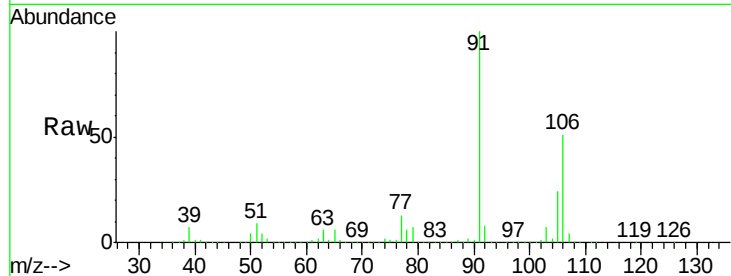
#68
m/p-Xvlenes
Concen: 1009.326 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
21643

Tot Ion:106 Resp: 6979974
Ion Ratio Lower Upper
106 100
91 197.6 159.3 238.9

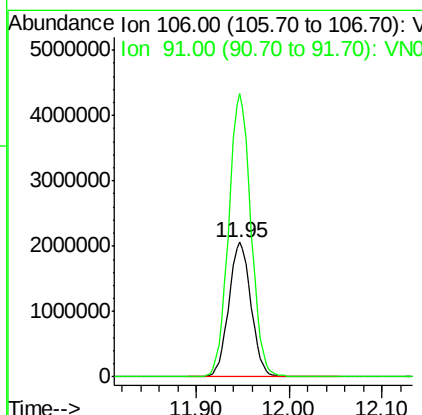
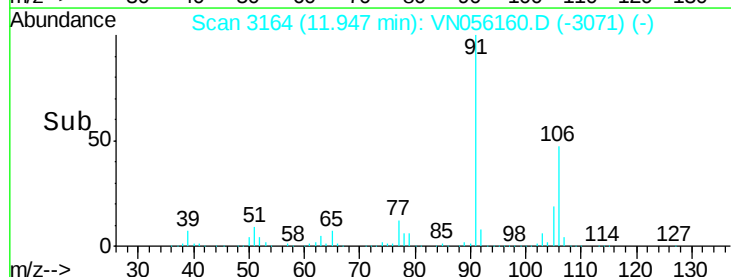
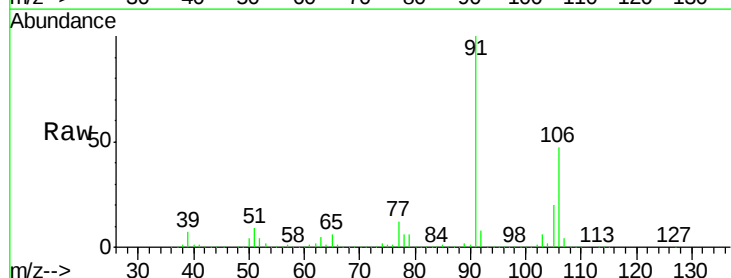
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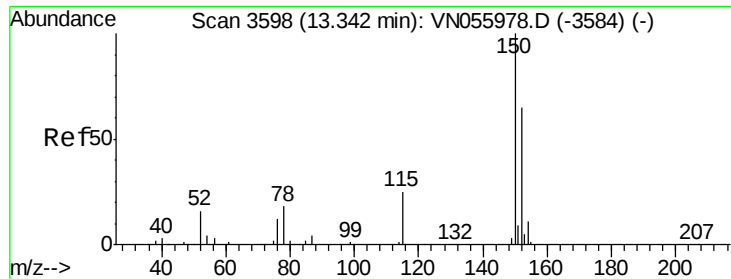
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6/11/2019 12:08:06 PM



#69
o-Xylene
Concen: 504.289 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056160.D
Acq: 10 Jun 2019 11:12

Tgt Ion:106 Resp: 3430421
Ion Ratio Lower Upper
106 100
91 210.2 104.7 314.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056160.D

Acq: 10 Jun 2019 11:12

Instrument :

MSVOA_N

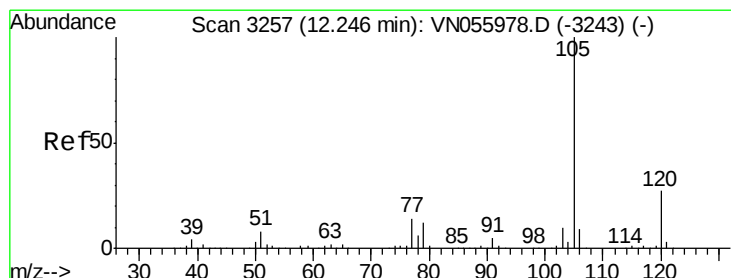
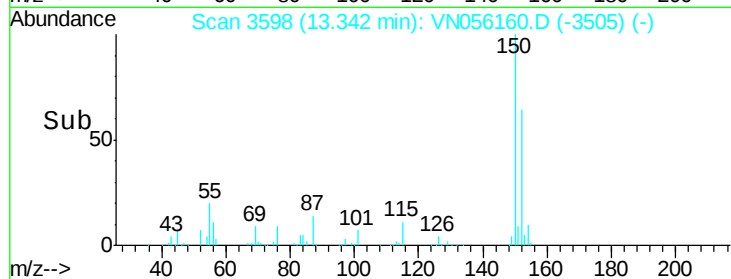
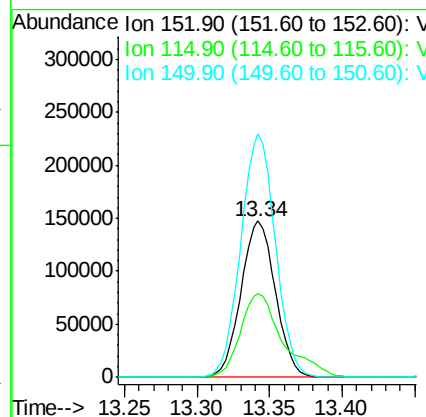
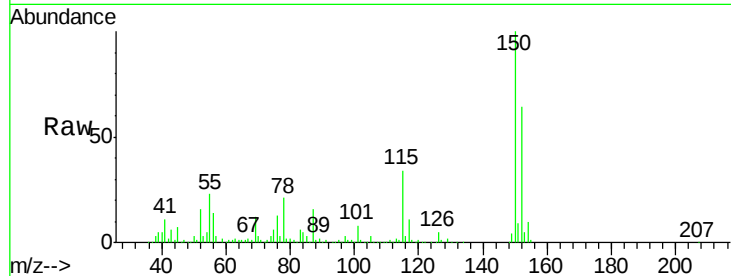
ClientSampleId :

21643

Tot Ion:	152	Resp:	243200
Ion	Ratio	Lower	Upper
152	100		
115	65.5	27.0	81.0
150	156.8	0.0	343.2

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6/11/2019 12:08:06 PM



#73

Isopropylbenzene

Concen: 10.165 ug/l

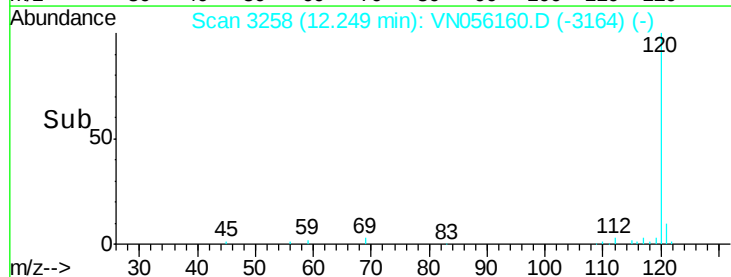
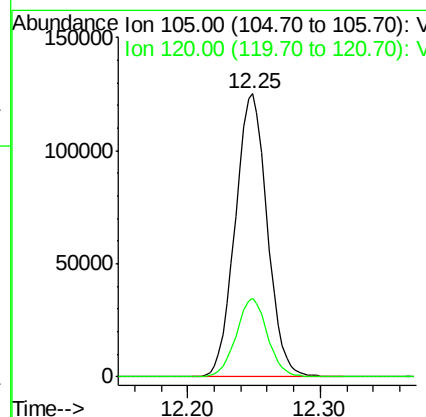
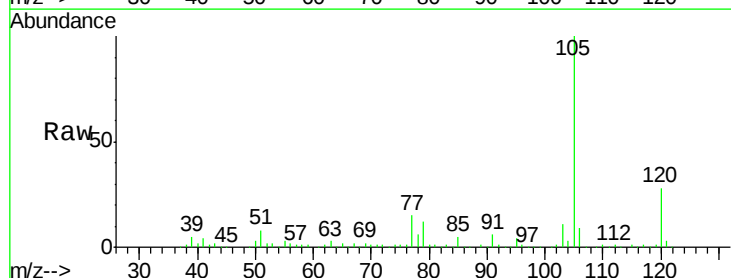
RT: 12.25 min Scan# 3258

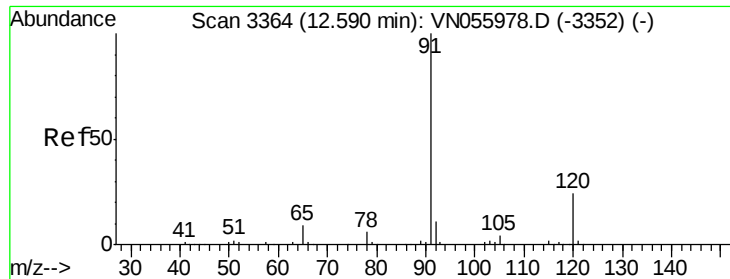
Delta R.T. 0.00 min

Lab File: VN056160.D

Acq: 10 Jun 2019 11:12

Tgt Ion:	105	Resp:	209644
Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.6	40.7





#78

n-propylbenzene

Concen: 26.733 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056160.D

Acq: 10 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

21643

Tot Ion: 91 Resp: 550027

Ion Ratio Lower Upper

91 100

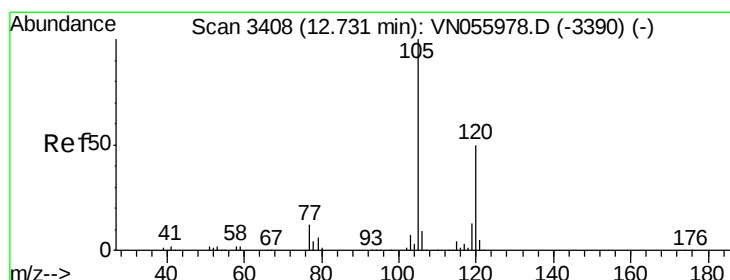
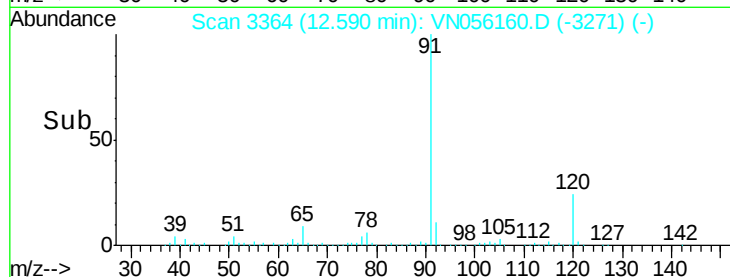
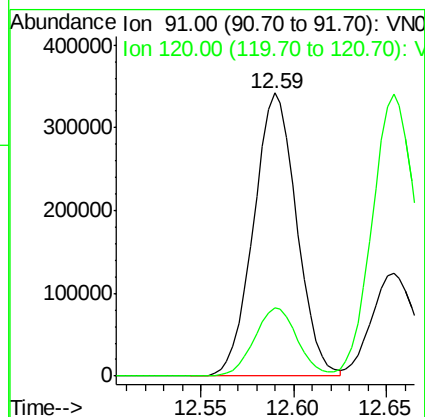
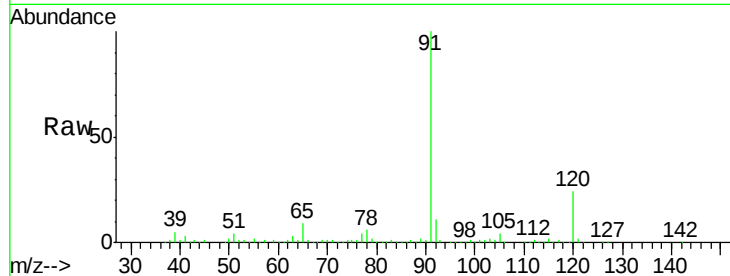
120 24.0 12.0 36.0

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6/11/2019 12:08:06 PM



#80

1,3,5-Trimethylbenzene

Concen: 35.204 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056160.D

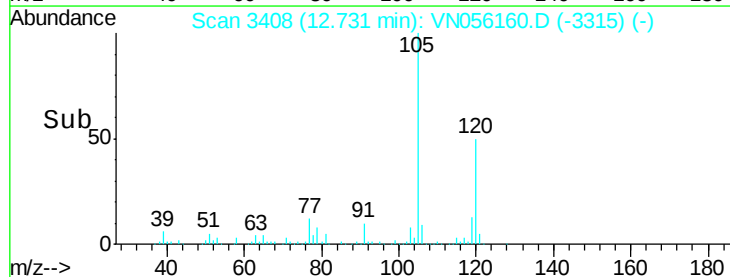
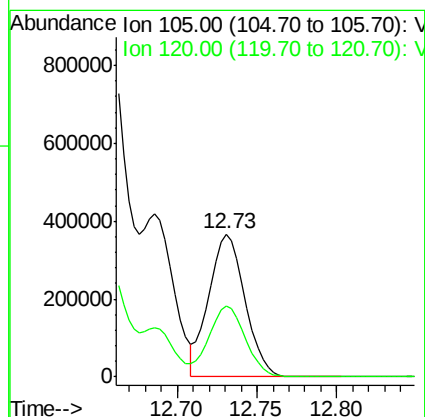
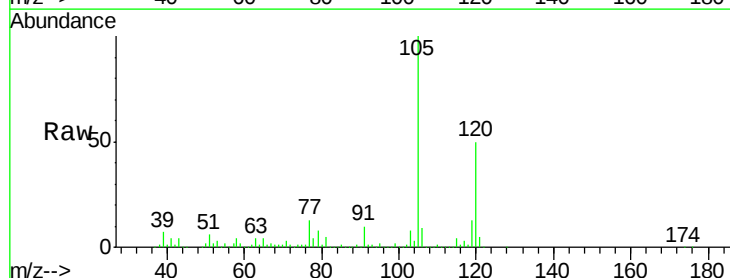
Acq: 10 Jun 2019 11:12

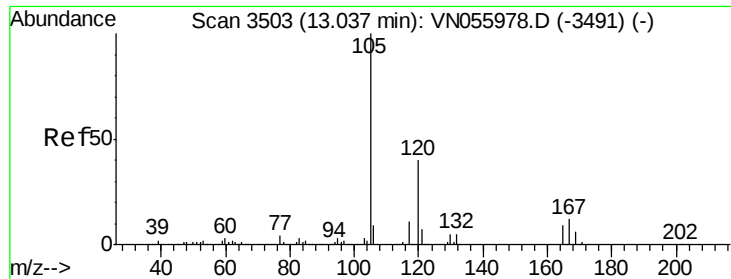
Tgt Ion: 105 Resp: 575649

Ion Ratio Lower Upper

105 100

120 49.8 24.7 74.1





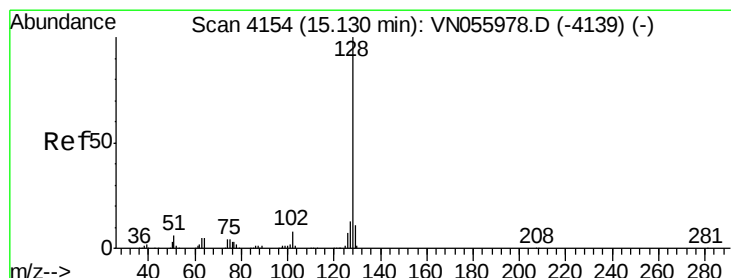
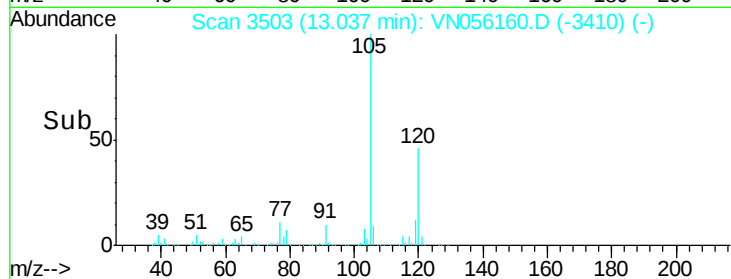
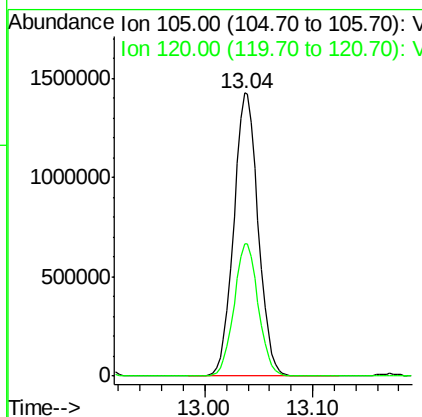
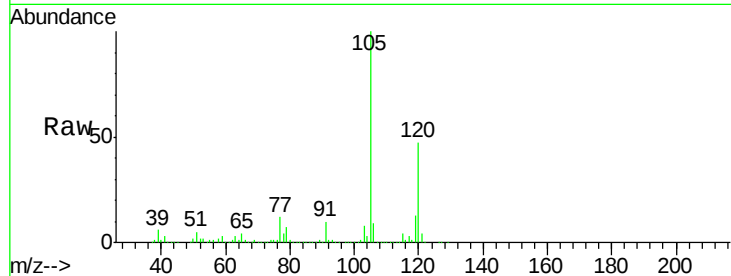
#84
 1,2,4-Trimethylbenzene
 Concen: 145.414 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056160.D
 Acq: 10 Jun 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 21643

Tot Ion:105 Resp: 2254843
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0

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 6/11/2019 12:08:06 PM



#95
 Naphthalene
 Concen: 18.731 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN056160.D
 Acq: 10 Jun 2019 11:12

Tgt Ion:128 Resp: 187526
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.3 15.5
 129 11.1 8.7 13.1

