

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055793.D
 Acq On : 24 May 2019 14:02
 Operator : JC/SP
 Sample : K2996-05DL 5X
 Misc : 5.27g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-3(4.5-5.0)DL

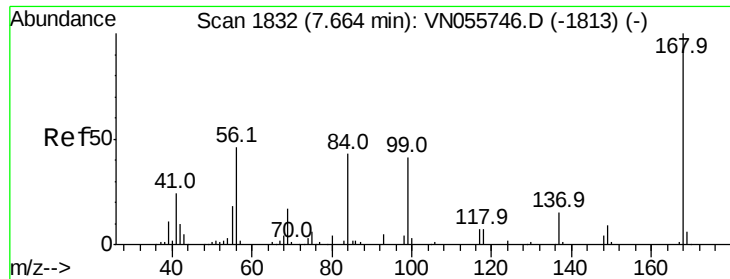
Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:35:50 AM

Quant Time: May 25 04:49:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	397310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	555469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	527458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	254905	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	178865	43.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.18%	
35) Dibromofluoromethane	7.59	113	164090	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
50) Toluene-d8	10.09	98	697263	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.40	95	263274	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.63	56	636775	103.396	ug/l #	51
39) Methylcyclohexane	9.08	83	589600	98.360	ug/l	89
40) Benzene	8.04	78	602804	41.319	ug/l	98
52) Toluene	10.16	92	1940396	211.479	ug/l	99
67) Ethyl Benzene	11.51	91	5588036	295.109	ug/l	99
68) m/p-Xylenes	11.62	106	10064280	1405.912	ug/l #	1
69) o-Xylene	11.95	106	2745891	386.624	ug/l	100
73) Isopropylbenzene	12.25	105	1464043	82.474	ug/l	100
78) n-propylbenzene	12.59	91	2313094	104.406	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3433108	234.376	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	10775627	739.457	ug/l	99
85) sec-Butylbenzene	13.17	105	244804m	12.495	ug/l	
86) p-Isopropyltoluene	13.29	119	106810m	6.034	ug/l	
89) n-Butylbenzene	13.61	91	324102	23.895	ug/l #	67
95) Naphthalene	15.13	128	1069979	90.740	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055793.D

Acq: 24 May 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

P-3(4.5-5.0)DL

Tot Ion:168 Resp: 397310

Ion Ratio Lower Upper

168 100

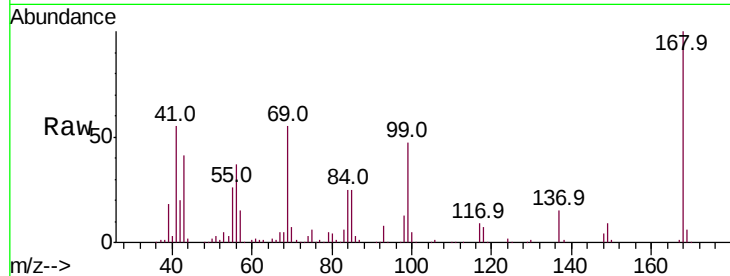
99 47.0 37.2 55.8

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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

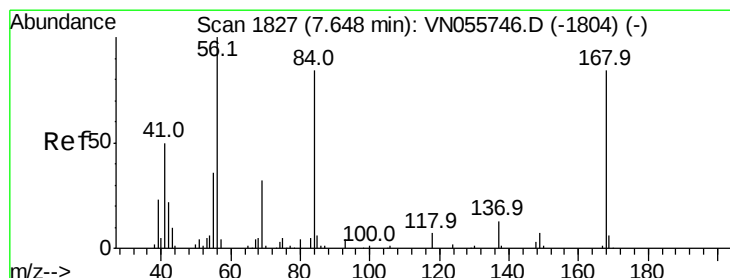
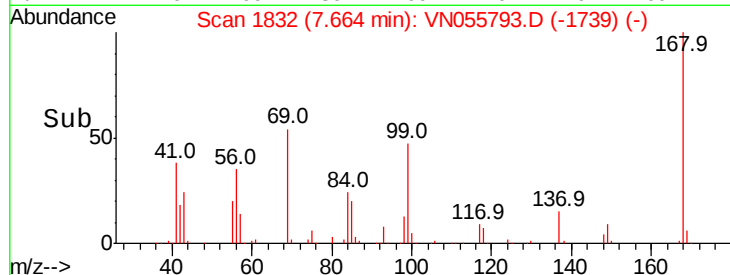
150000

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 103.396 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.02 min

Lab File: VN055793.D

Acq: 24 May 2019 14:02

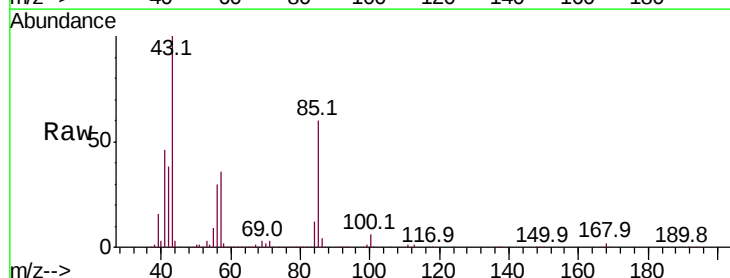
Tgt Ion: 56 Resp: 636775

Ion Ratio Lower Upper

56 100

69 3.9 25.6 38.4#

84 40.2 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

400000

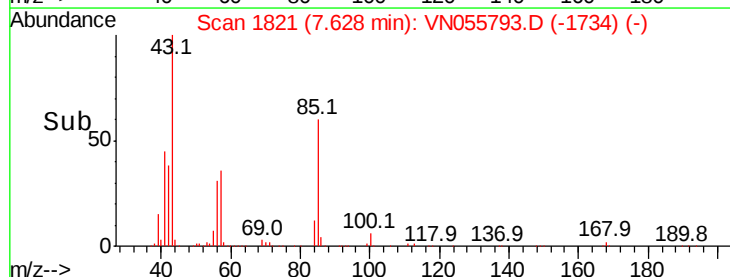
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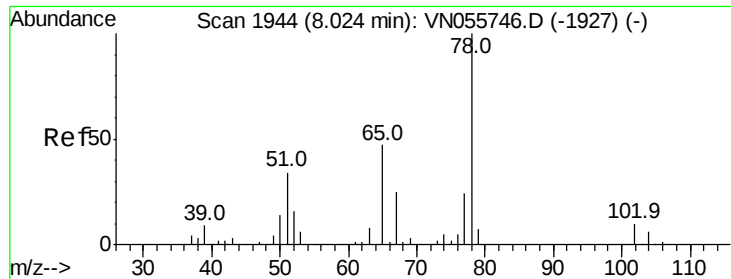
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Time-->





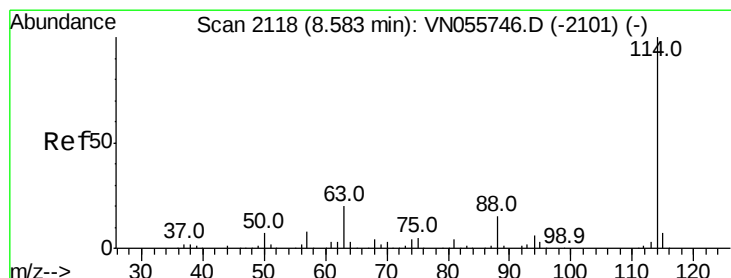
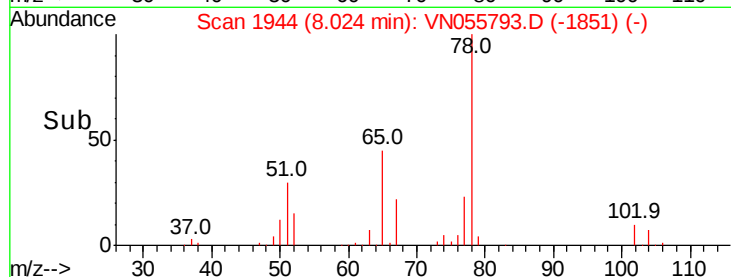
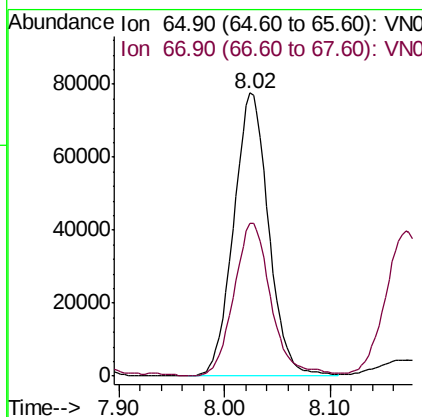
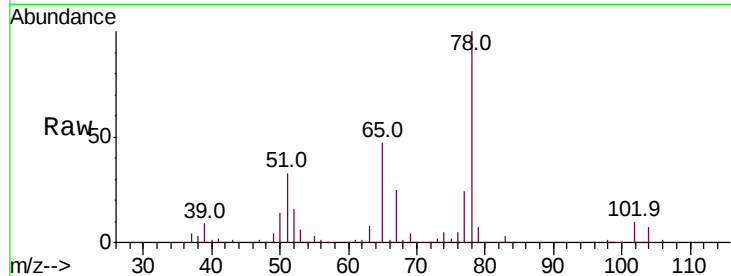
#33
 1,2-Dichloroethane-d4
 Concen: 43.593 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055793.D
 Acq: 24 May 2019 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 P-3(4.5-5.0)DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	178865		
67	56.8	0.0	109.2	

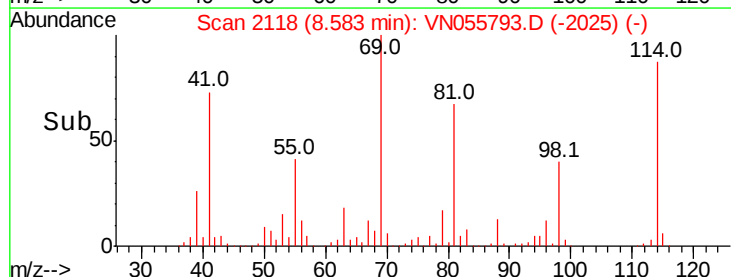
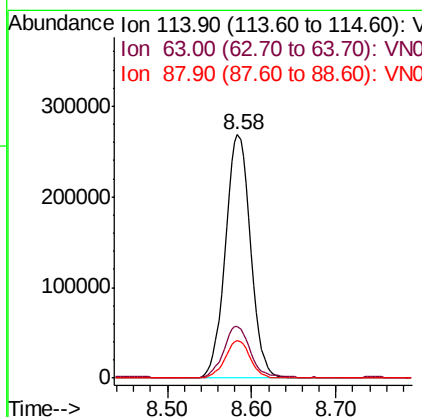
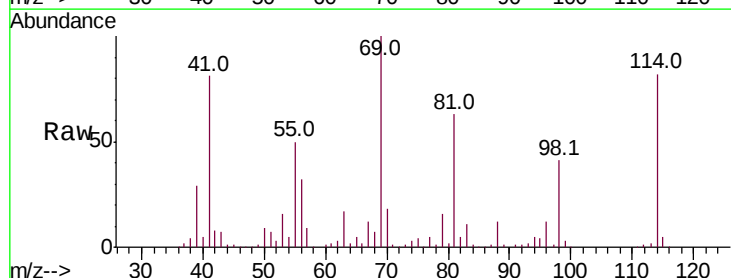
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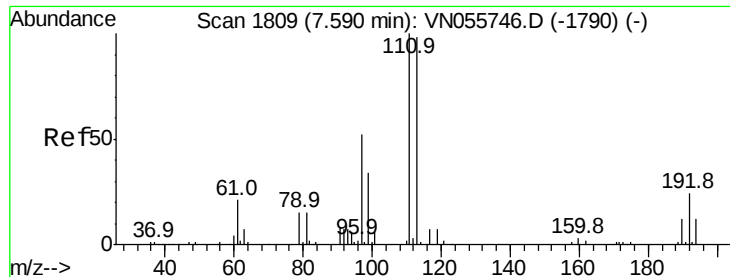
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055793.D
 Acq: 24 May 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	555469		
63	21.2	0.0	39.2	
88	15.2	0.0	31.0	





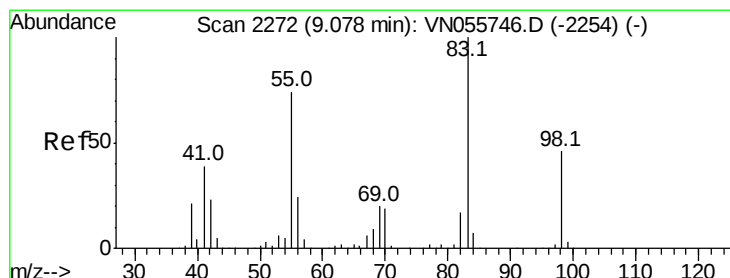
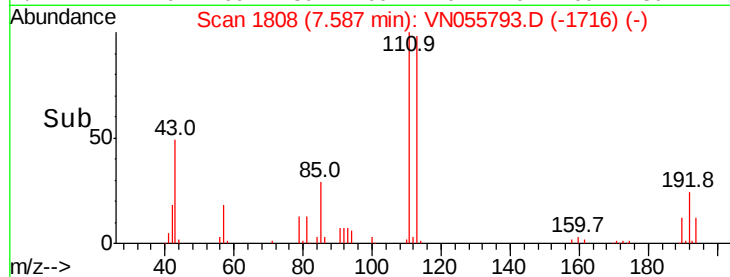
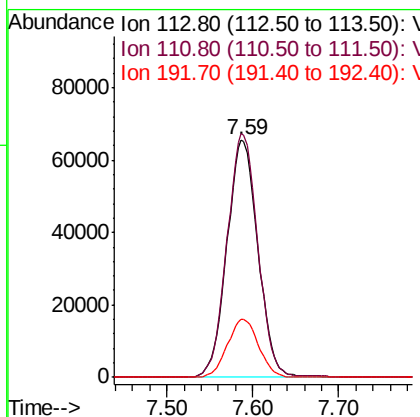
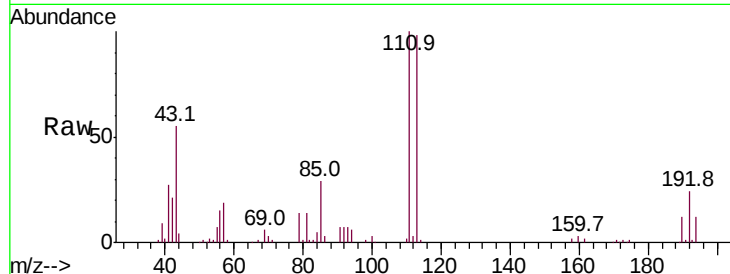
#35
 Dibromofluoromethane
 Concen: 46.724 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN055793.D
 Acq: 24 May 2019 14:02

Instrument :
 MSVOA_N
 ClientSampled :
 P-3(4.5-5.0)DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.9	122.9
192	24.4	19.5	29.3

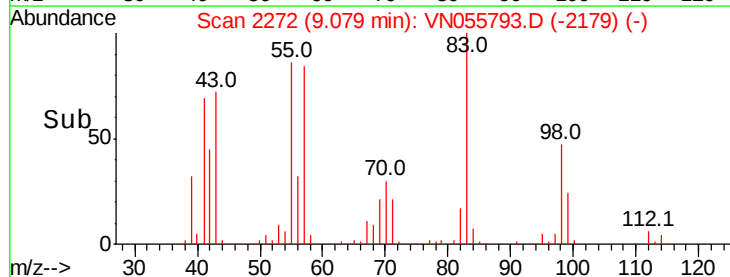
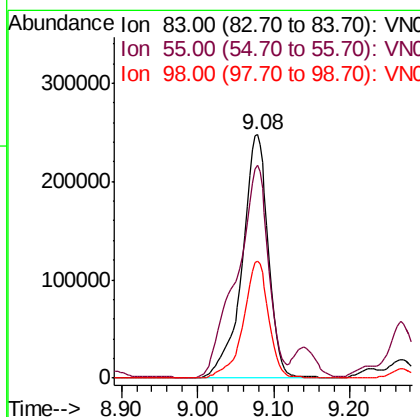
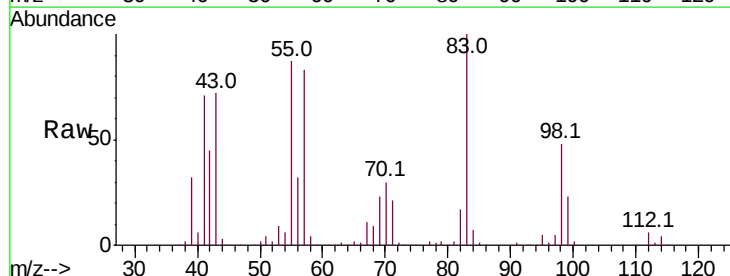
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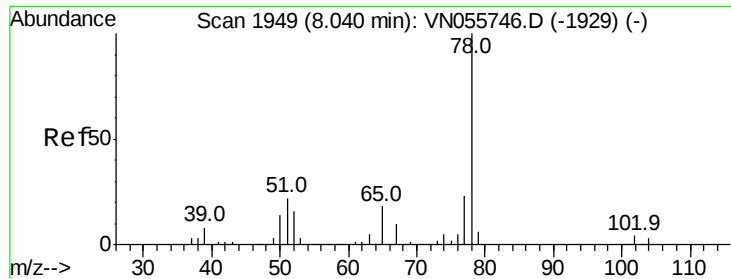
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#39
 Methylcyclohexane
 Concen: 98.360 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055793.D
 Acq: 24 May 2019 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.2	59.3	88.9
98	48.3	36.6	54.8





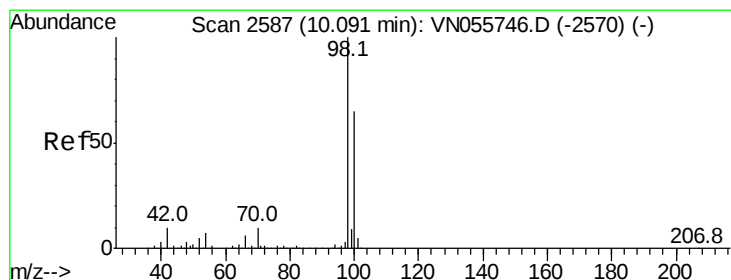
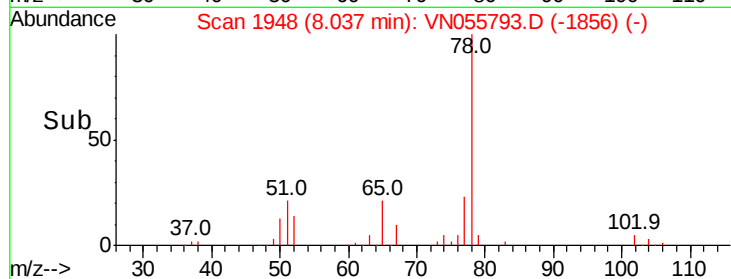
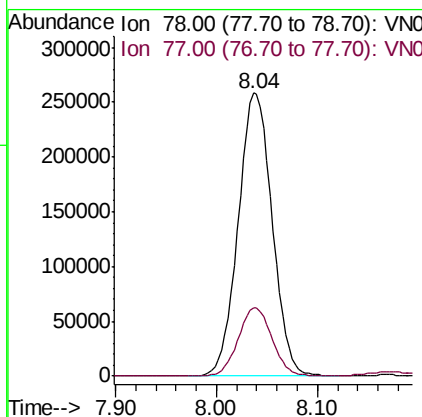
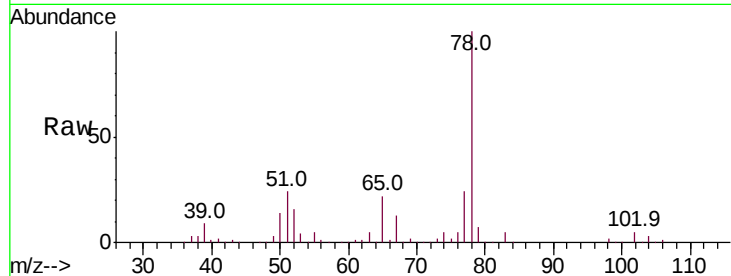
#40
Benzene
Concen: 41.319 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055793.D
Acq: 24 May 2019 14:02

Instrument :
MSVOA_N
ClientSampleId :
P-3(4.5-5.0)DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2

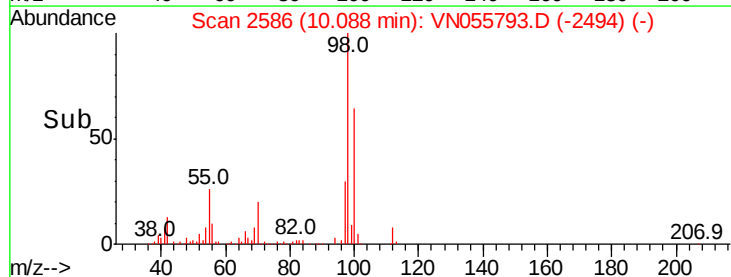
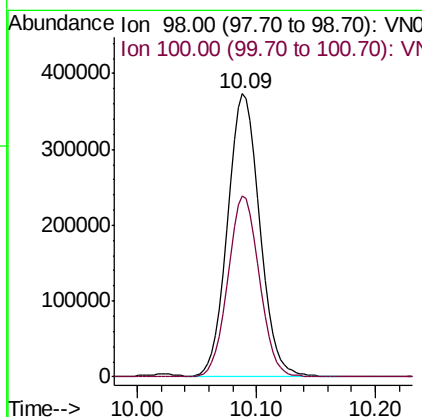
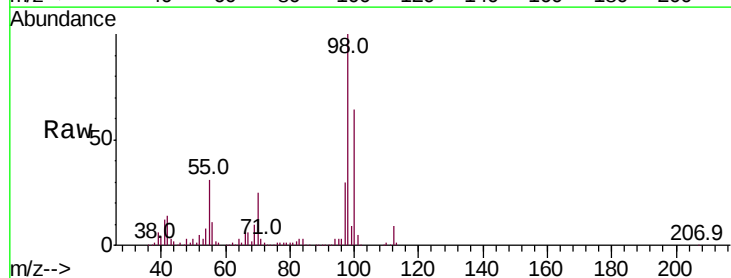
Manual Integrations
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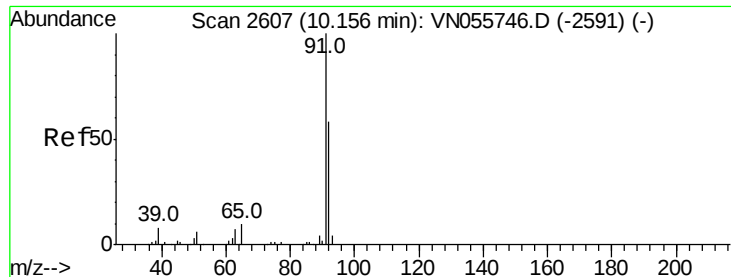
MMDadoda
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#50
Toluene-d8
Concen: 51.760 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055793.D
Acq: 24 May 2019 14:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.9	77.9





#52

Toluene

Concen: 211.479 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055793.D

Acq: 24 May 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

P-3(4.5-5.0)DL

Tot Ion: 92 Resp: 1940396

Ion Ratio Lower Upper

92 100

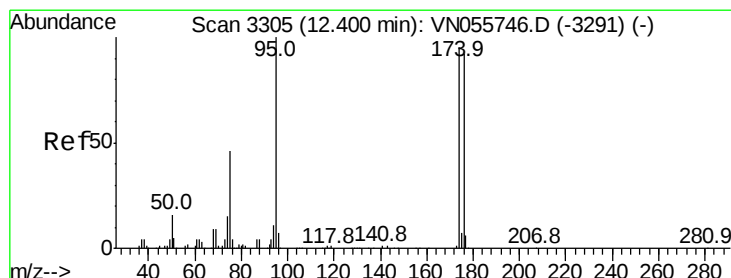
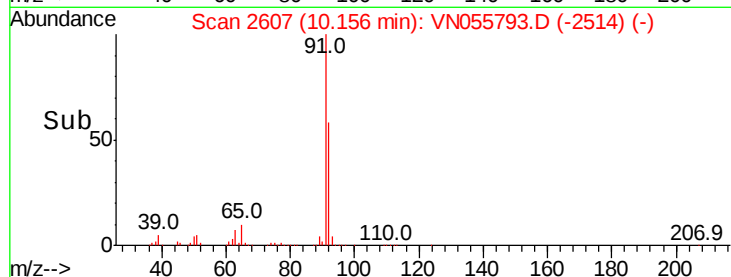
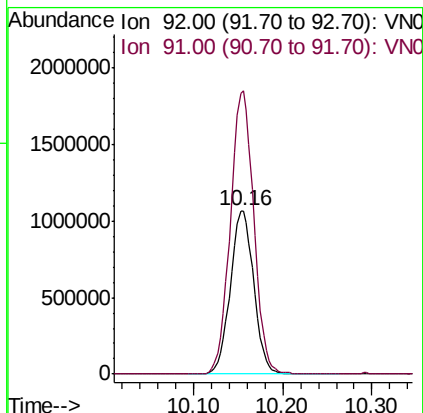
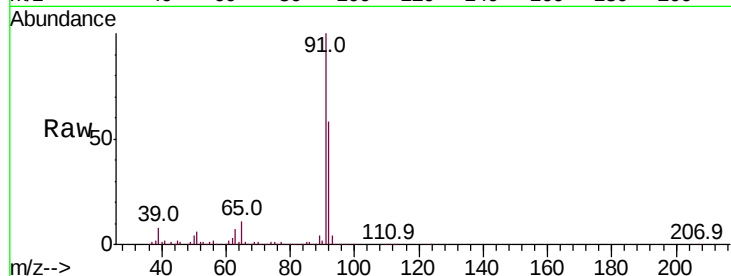
91 172.6 139.4 209.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 56.997 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055793.D

Acq: 24 May 2019 14:02

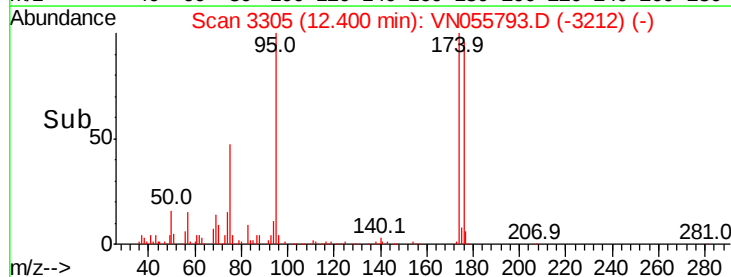
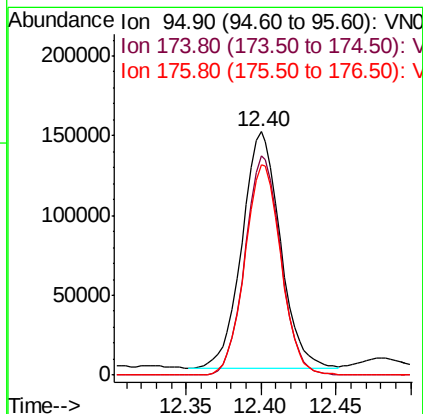
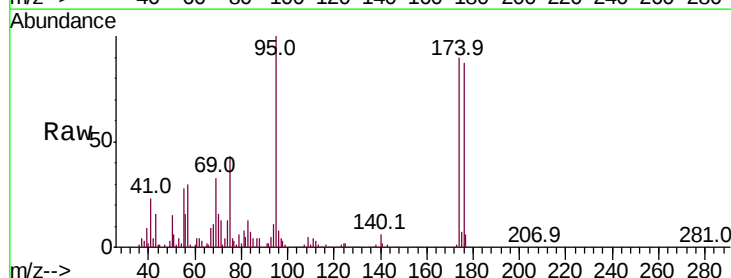
Tgt Ion: 95 Resp: 263274

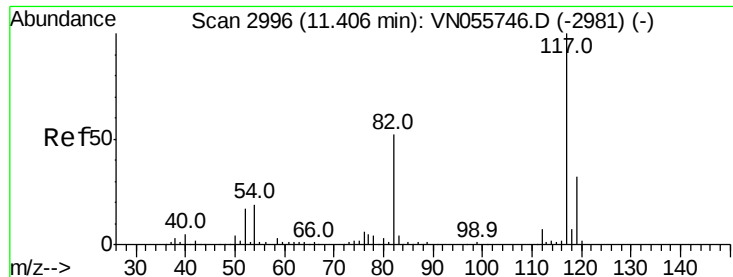
Ion Ratio Lower Upper

95 100

174 87.1 0.0 191.0

176 84.7 0.0 185.2





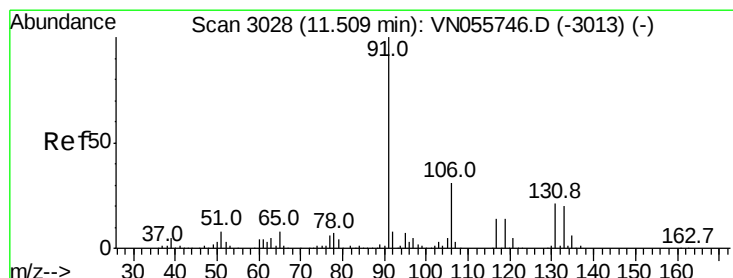
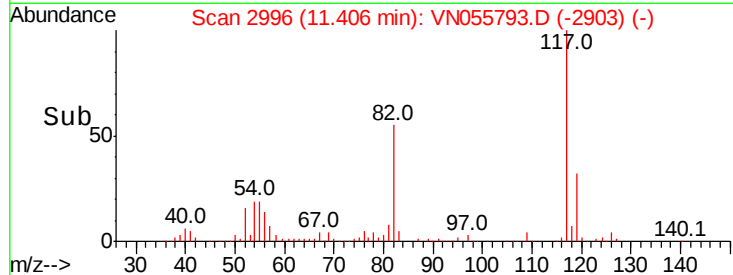
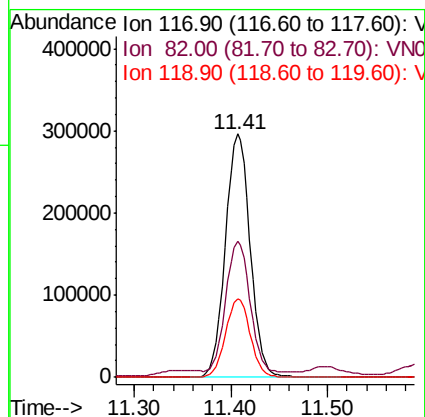
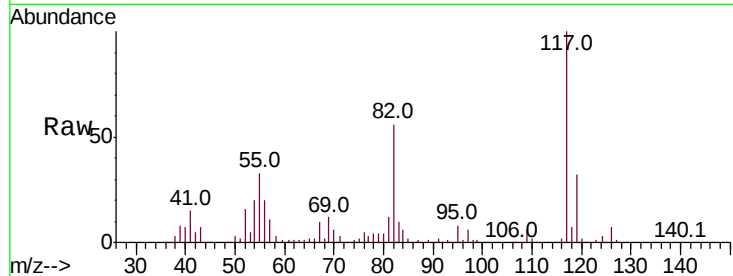
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055793.D
Acq: 24 May 2019 14:02

Instrument :
MSVOA_N
ClientSampleId :
P-3(4.5-5.0)DL

Tot Ion:117	Resp:	527458
Ion Ratio	Lower	Upper
117 100		
82 52.9	41.8	62.8
119 32.1	25.4	38.0

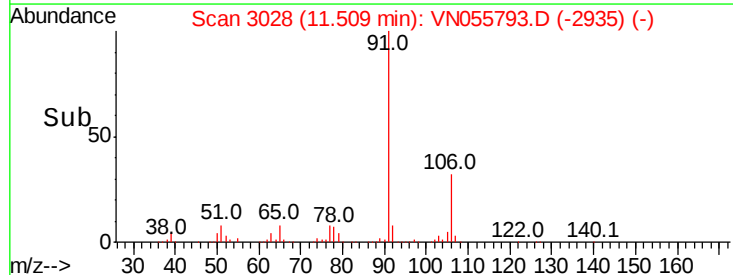
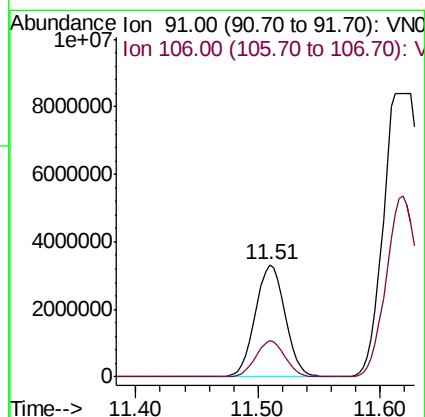
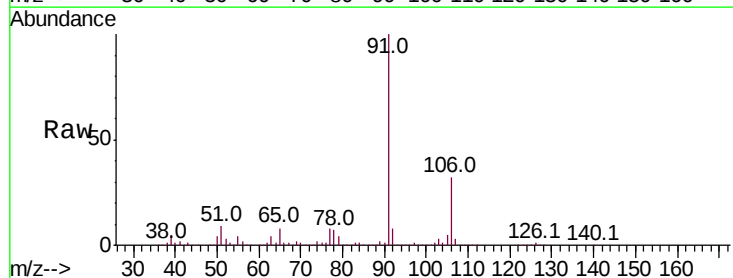
Manual Integrations
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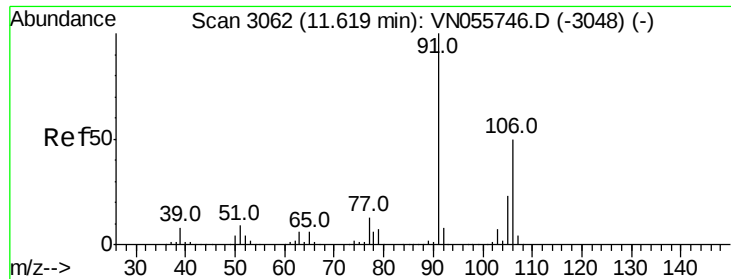
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#67
Ethyl Benzene
Concen: 295.109 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055793.D
Acq: 24 May 2019 14:02

Tgt Ion: 91	Resp:	5588036
Ion Ratio	Lower	Upper
91 100		
106 32.0	25.1	37.7





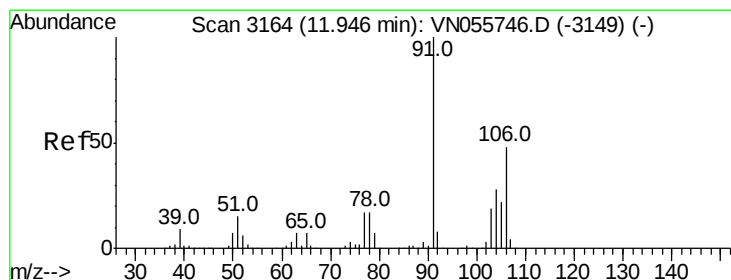
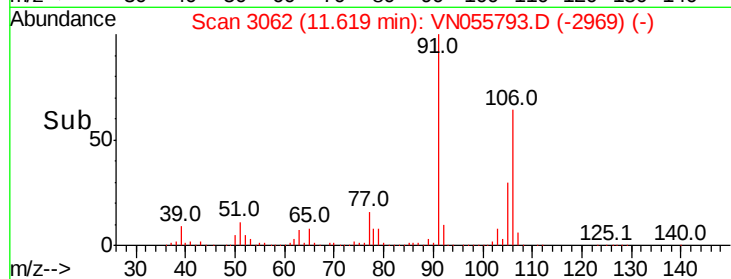
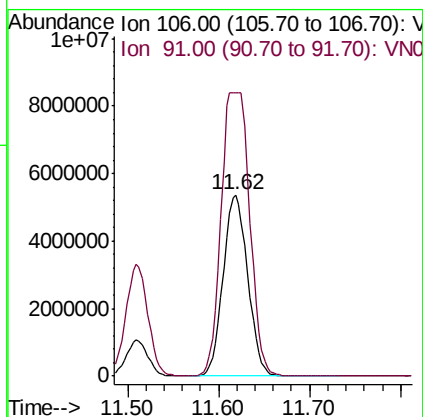
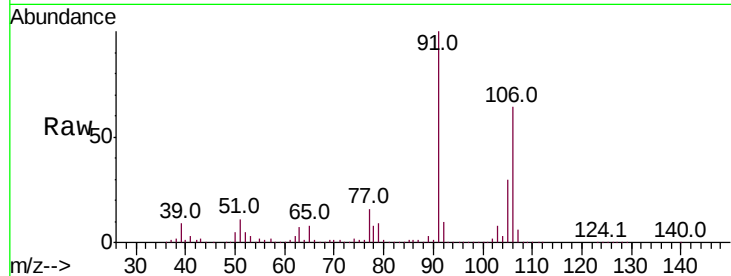
#68
m/p-Xylenes
Concen: 1405.912 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055793.D
Acq: 24 May 2019 14:02

Instrument :
MSVOA_N
ClientSampleId :
P-3(4.5-5.0)DL

Tot Ion:106 Resp:10064280
Ion Ratio Lower Upper
106 100
91 0.0 159.3 238.9#

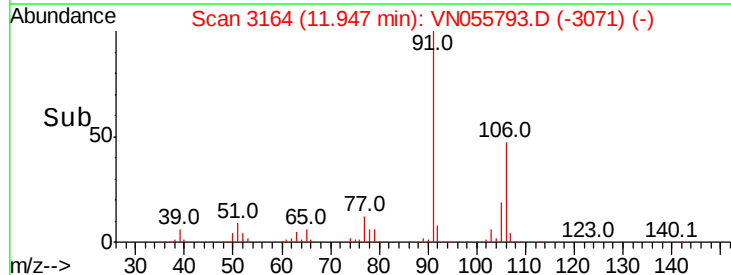
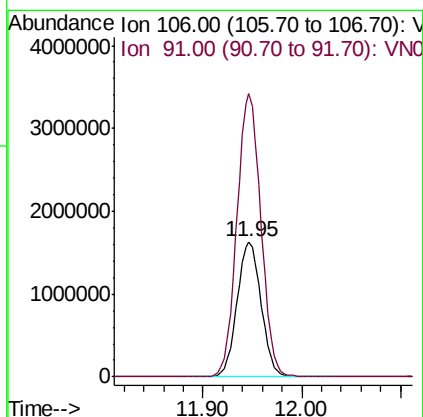
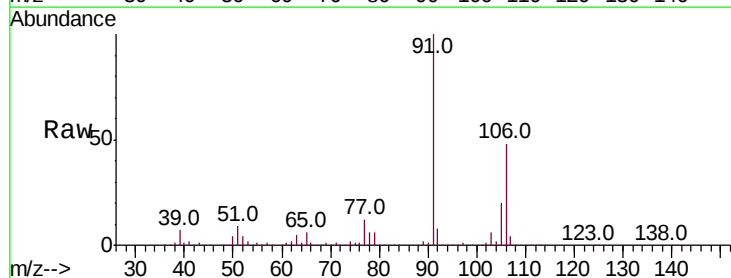
Manual Integrations
APPROVED

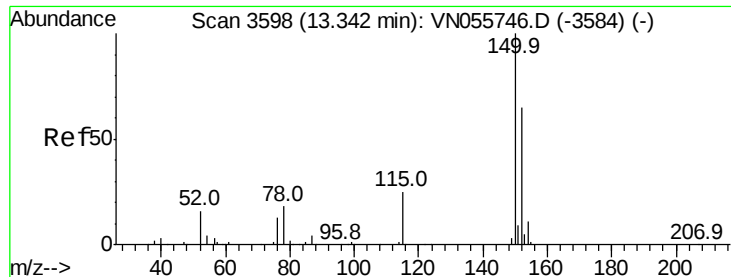
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#69
o-Xylene
Concen: 386.624 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055793.D
Acq: 24 May 2019 14:02

Tgt Ion:106 Resp: 2745891
Ion Ratio Lower Upper
106 100
91 209.2 104.7 314.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055793.D

Acq: 24 May 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

P-3(4.5-5.0)DL

Tot Ion:152 Resp: 254905

Ion Ratio Lower Upper

152 100

115 52.1 27.0 81.0

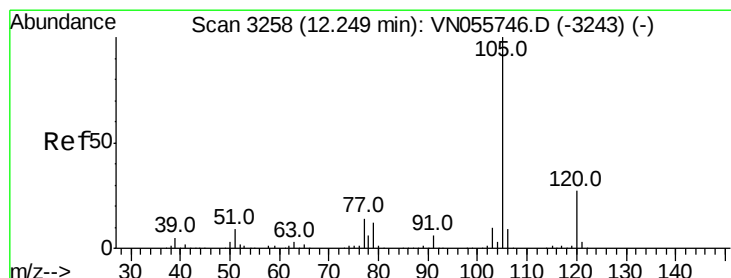
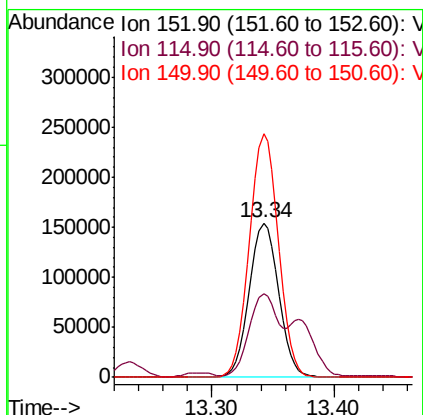
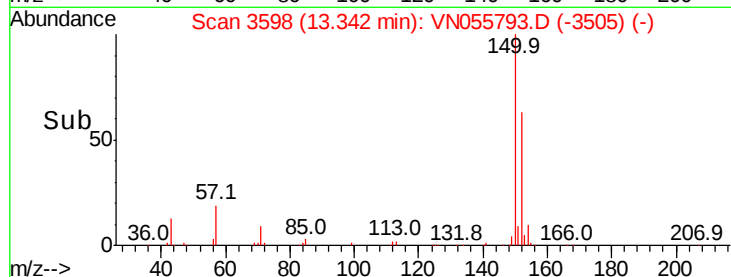
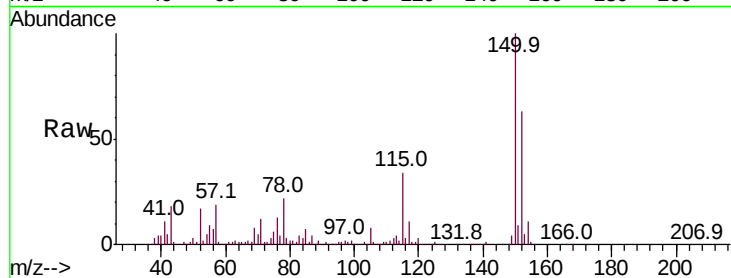
150 155.4 0.0 343.2

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#73

Isopropylbenzene

Concen: 82.474 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055793.D

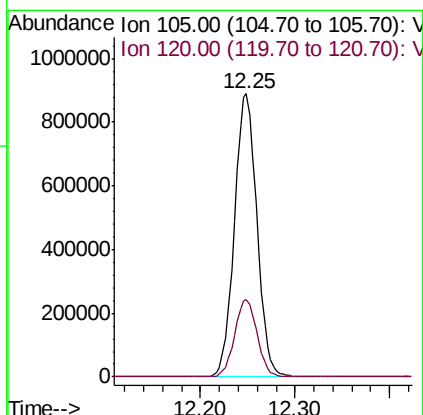
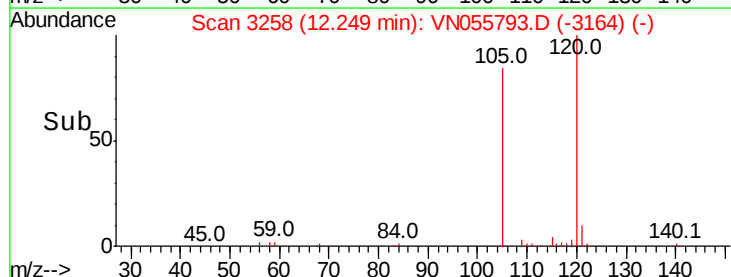
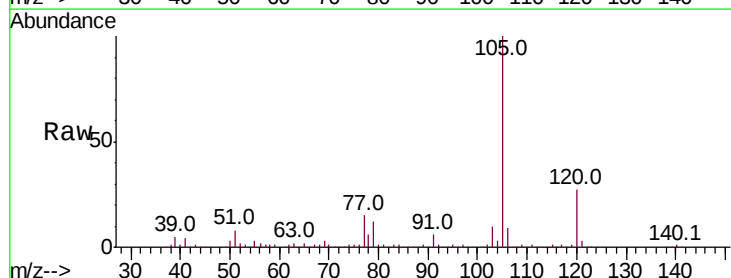
Acq: 24 May 2019 14:02

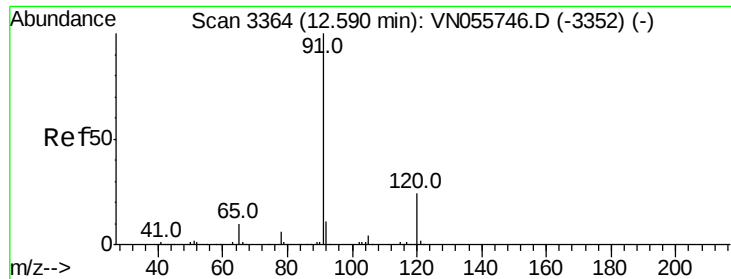
Tgt Ion:105 Resp: 1464043

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7





#78

n-propylbenzene

Concen: 104.406 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055793.D

Acq: 24 May 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

P-3(4.5-5.0)DL

Tot Ion: 91 Resp: 2313094

Ion Ratio Lower Upper

91 100

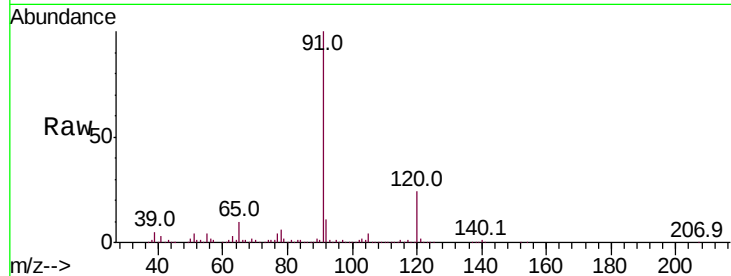
120 24.1 12.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3352) (-)

1500000

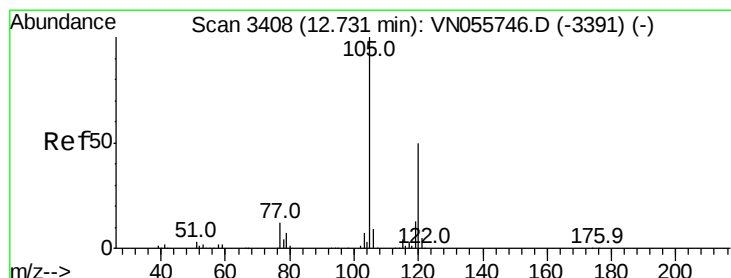
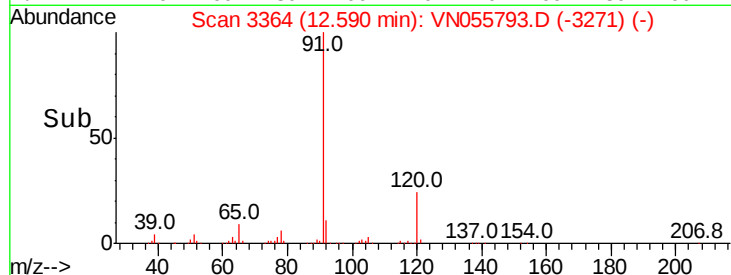
1000000

500000

0

12.50 12.55 12.60 12.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 234.376 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055793.D

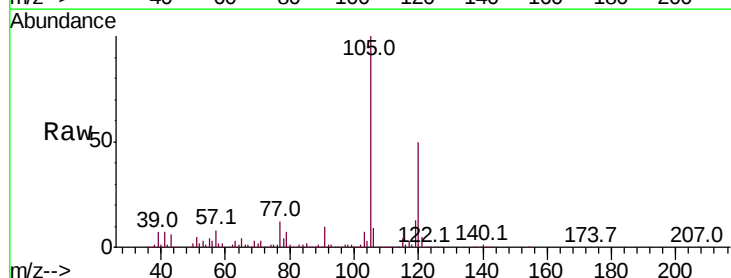
Acq: 24 May 2019 14:02

Tgt Ion:105 Resp: 3433108

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

5000000

4000000

3000000

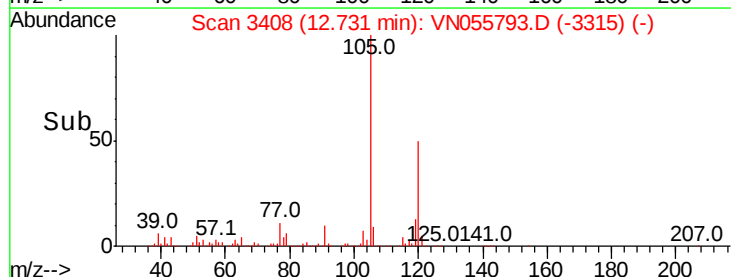
2000000

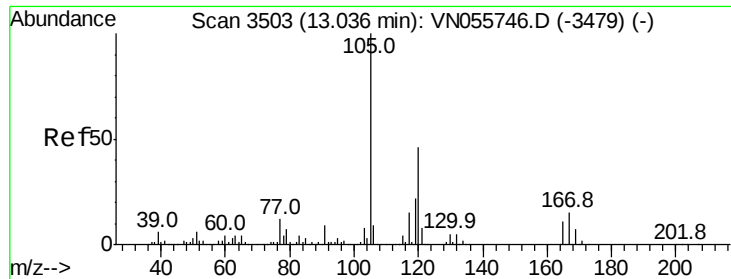
1000000

0

12.70 12.73

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 739.457 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055793.D

Acq: 24 May 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

P-3(4.5-5.0)DL

Tot Ion:105 Resp:10775627

Ion Ratio Lower Upper

105 100

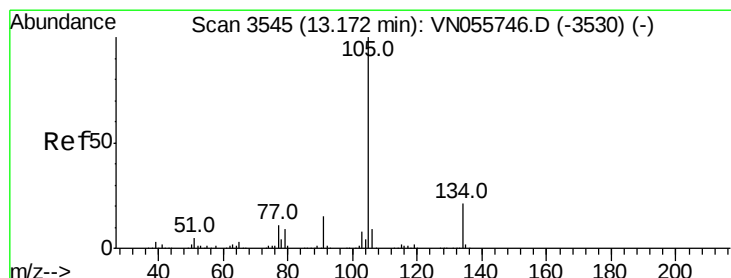
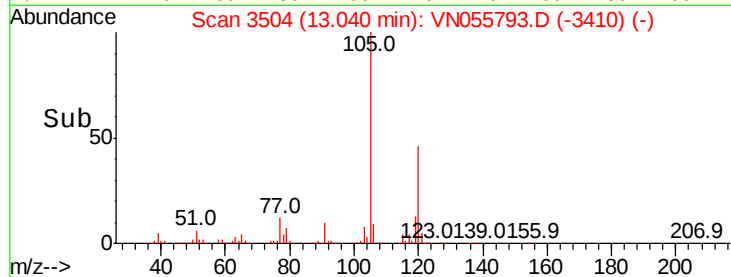
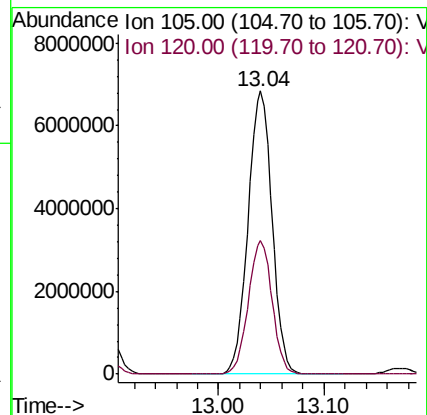
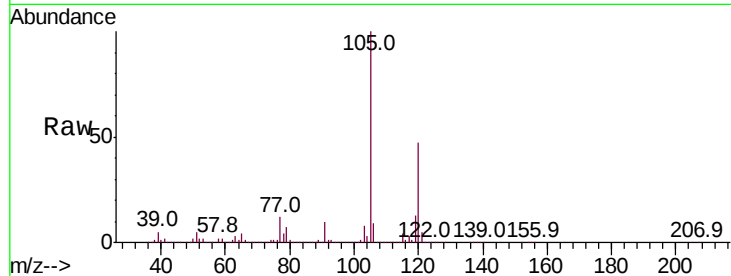
120 46.9 23.0 69.0

Manual Integrations

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#85

sec-Butylbenzene

Concen: 12.495 ug/l m

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055793.D

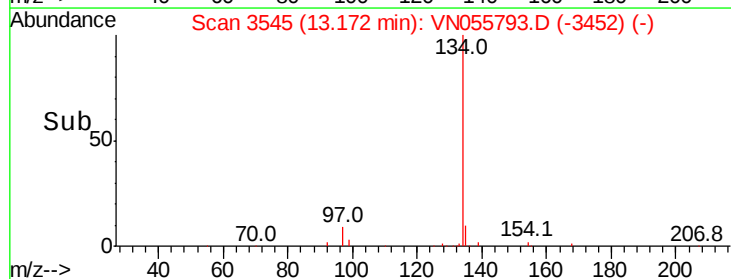
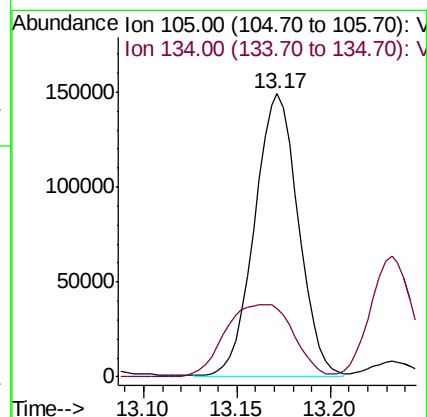
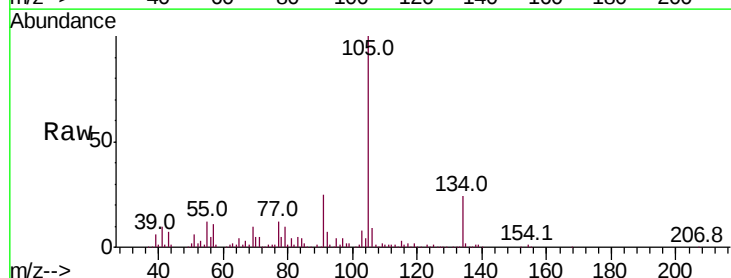
Acq: 24 May 2019 14:02

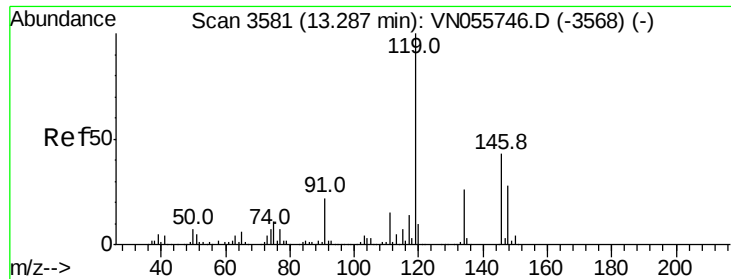
Tgt Ion:105 Resp: 244804

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.2#





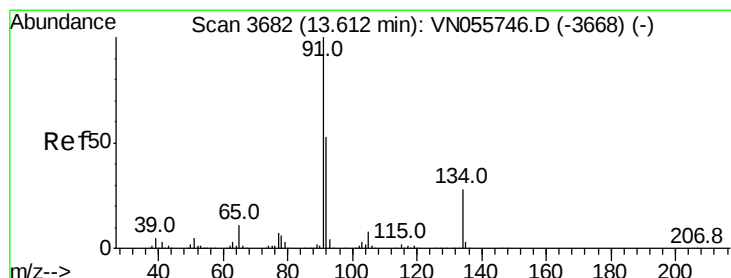
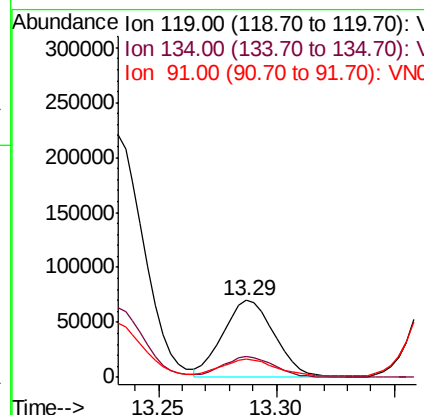
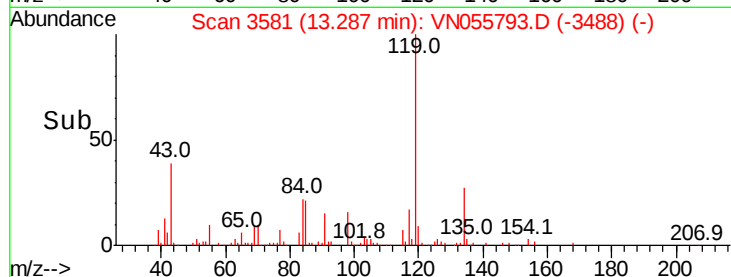
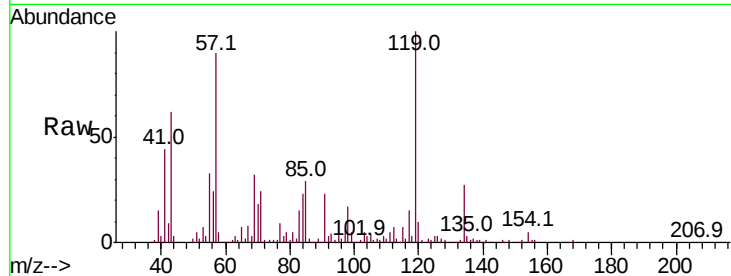
#86
p-Isopropyltoluene
Concen: 6.034 ug/l m
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN055793.D
Acq: 24 May 2019 14:02

Instrument :
MSVOA_N
ClientSampleId :
P-3(4.5-5.0)DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	106810		
134	93.8	13.4	40.1#	
91	67.1	10.9	32.9#	

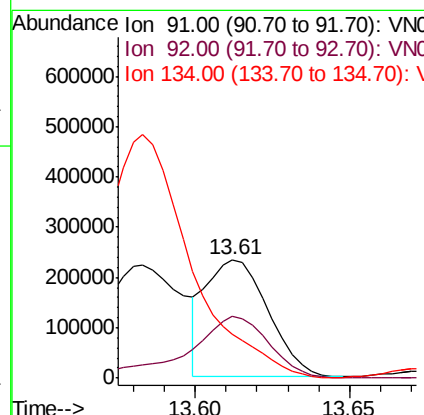
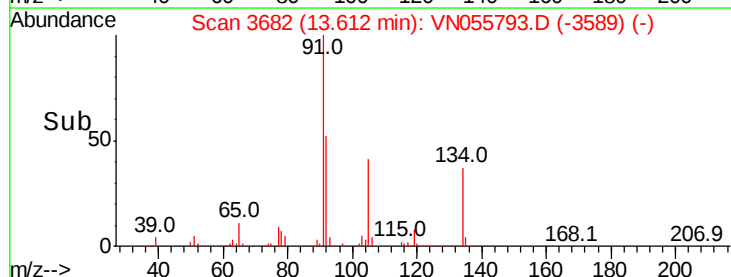
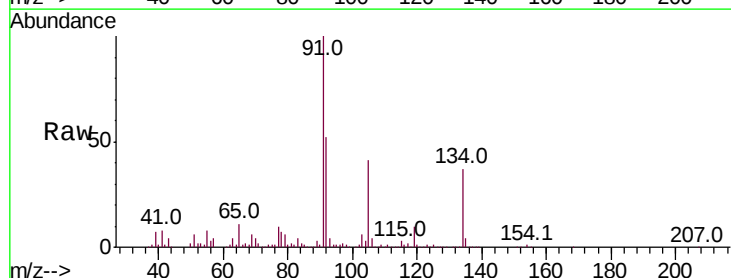
Manual Integrations
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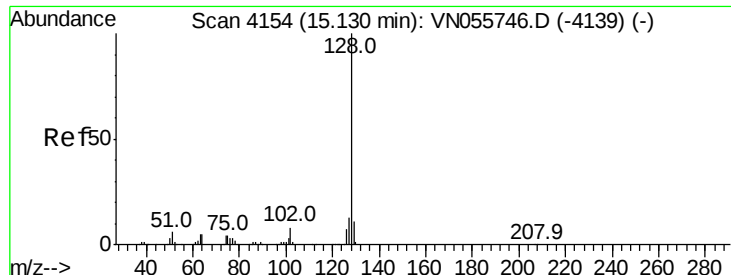
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#89
n-Butylbenzene
Concen: 23.895 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055793.D
Acq: 24 May 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	324102		
92	69.1	26.4	79.0	
134	0.0	13.9	41.7#	





#95
Naphthalene
Concen: 90.740 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055793.D
Acq: 24 May 2019 14:02

Instrument :
MSVOA_N
ClientSampleId :
P-3(4.5-5.0)DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.7	13.1

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