

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053007.D
 Acq On : 19 Dec 2018 13:29
 Operator : MD\SY
 Sample : J6347-04ME 10X
 Misc : 5.05µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0006-01ME

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 9:34:41 AM

Quant Time: Mar 01 02:41:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1368319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2075645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1889251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	849820	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	658909	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	7.59	113	517830	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
50) Toluene-d8	10.09	98	2551712	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	884667	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.66	56	47190	0.932	ug/l #	32
39) Methylcyclohexane	9.08	83	48370	1.999	ug/l	99
65) Chlorobenzene	11.43	112	24214	0.578	ug/l	98
68) m/p-Xylenes	11.62	106	2239393	81.791	ug/l	99
78) n-propylbenzene	12.59	91	36529	0.482	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	51205	0.945	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	149036	2.736	ug/l	99
86) p-Isopropyltoluene	13.29	119	21034	0.375	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	50188m	1.620	ug/l	
95) Naphthalene	15.13	128	39745	2.309	ug/l	98

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

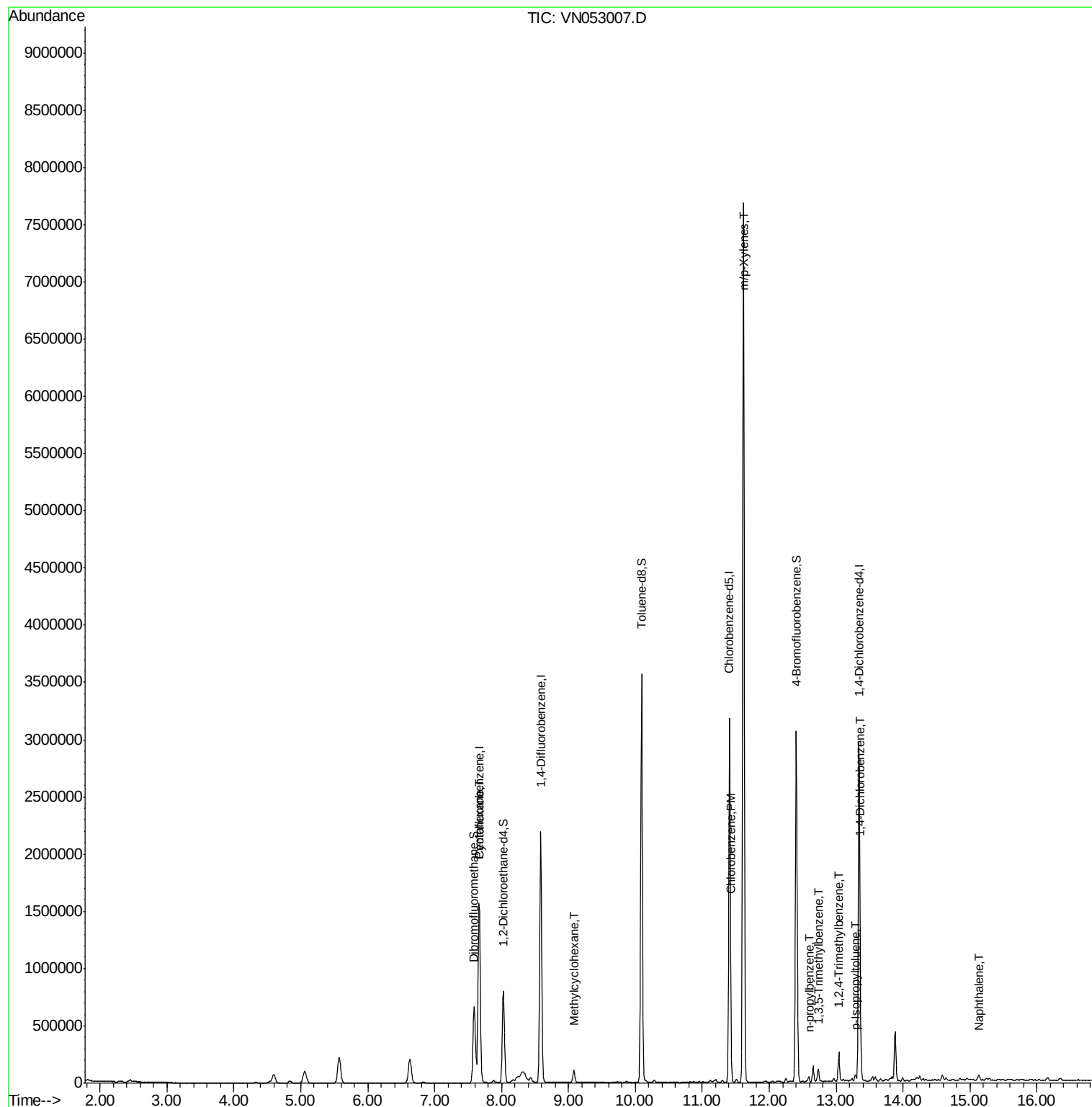
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
Data File : VN053007.D
Acq On : 19 Dec 2018 13:29
Operator : MD\SY
Sample : J6347-04ME 10X
Misc : 5.05g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 28

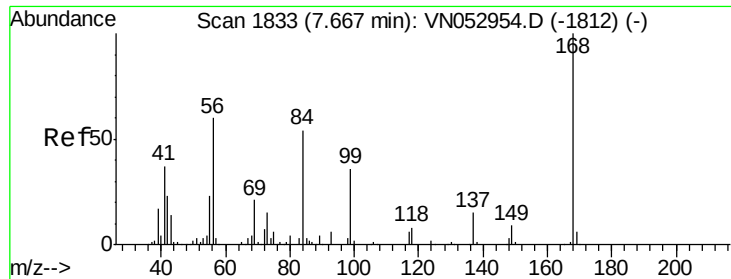
Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0006-01ME

Manual Integrations
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MMDadoda
12/20/2018 9:34:41 AM

Quant Time: Mar 01 02:41:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
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: VN053007.D

Acq: 19 Dec 2018 13:29

Instrument :

MSVOA_N

ClientSampleId :

P001-SD002-0006-01ME

Tot Ion:168 Resp: 1368319

Ion Ratio Lower Upper

168 100

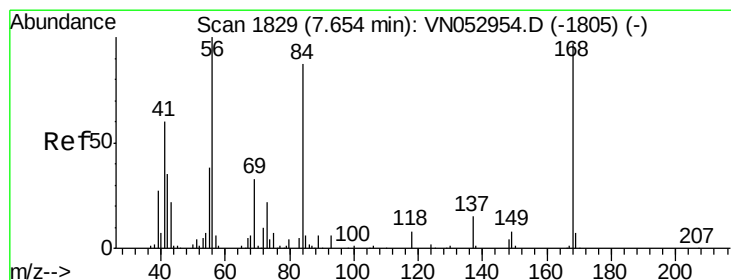
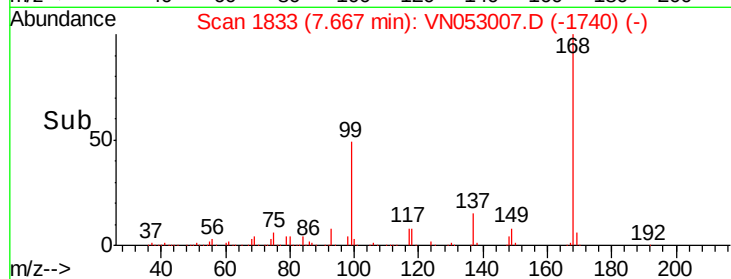
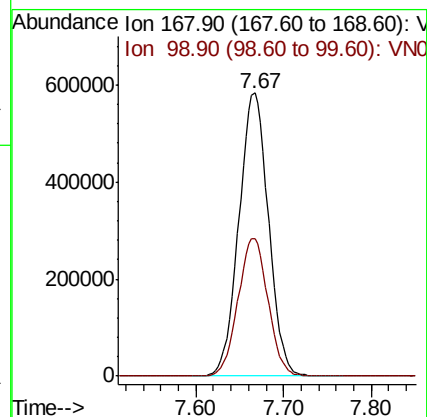
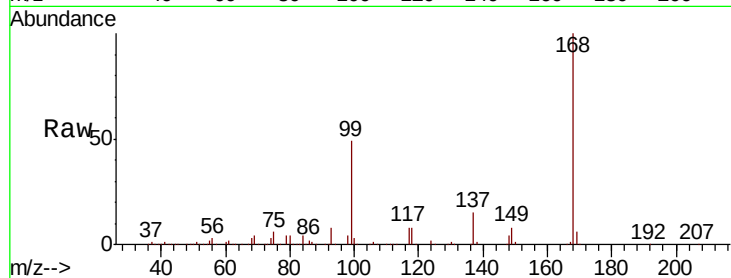
99 48.7 40.2 60.2

Manual Integrations

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#31

Cyclohexane

Concen: 0.932 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053007.D

Acq: 19 Dec 2018 13:29

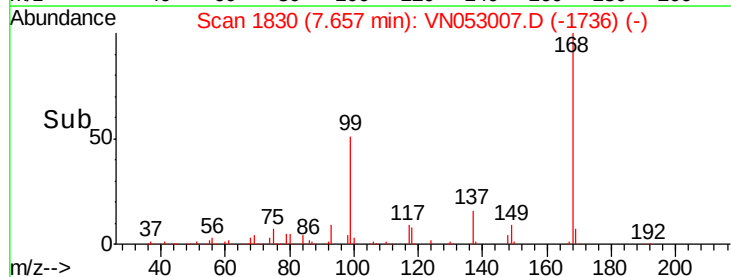
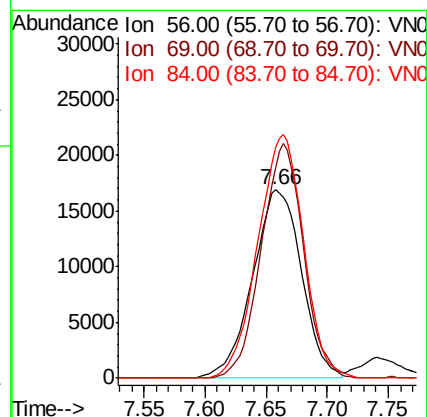
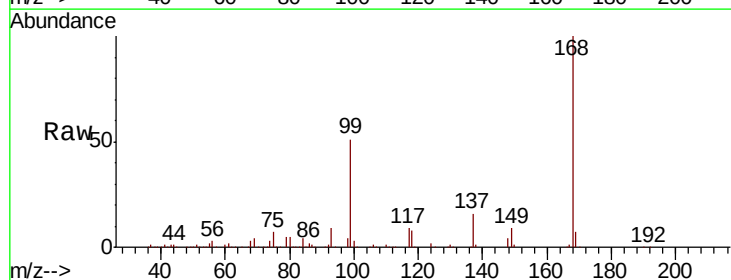
Tgt Ion: 56 Resp: 47190

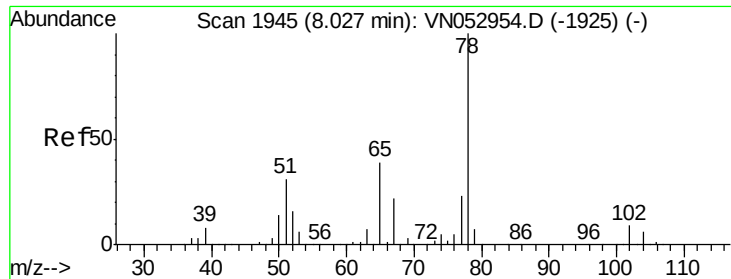
Ion Ratio Lower Upper

56 100

69 112.0 26.6 39.8#

84 122.5 68.4 102.6#





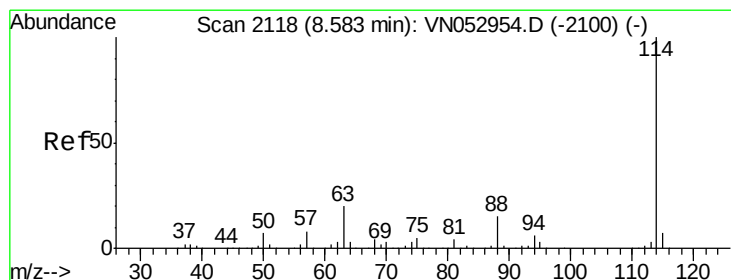
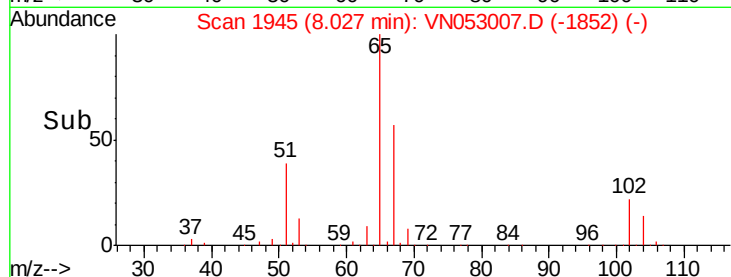
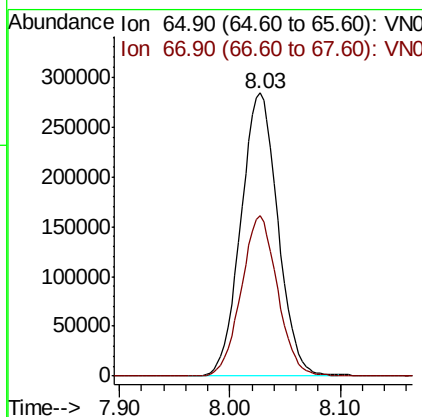
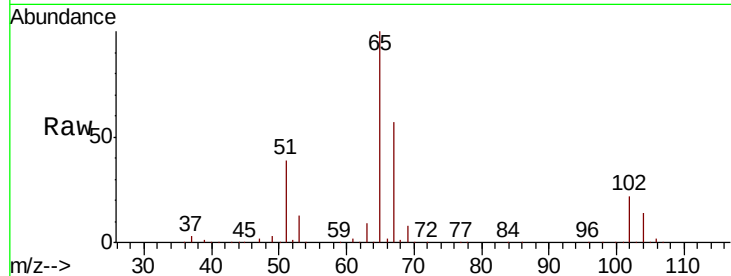
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053007.D
 Acq: 19 Dec 2018 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0006-01ME

Tot Ion	Ratio	Resp	Lower	Upper
65	100	658909		
67	55.6	0.0	110.4	

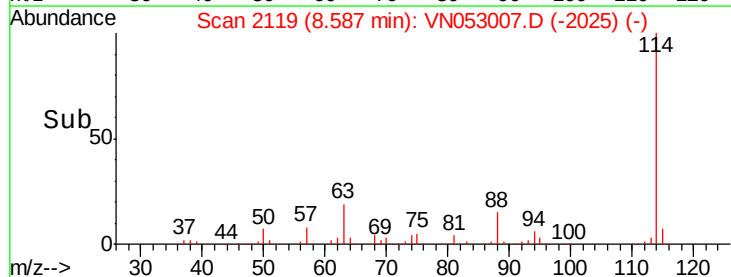
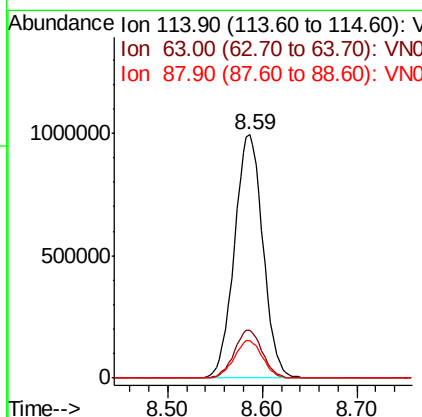
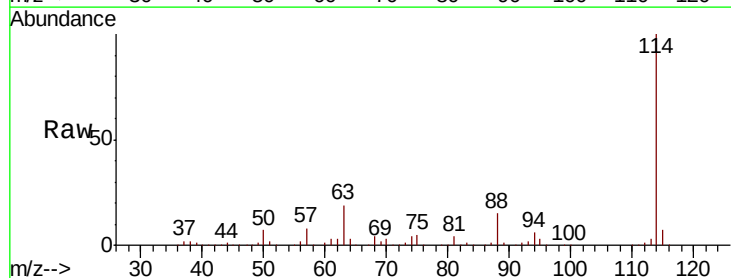
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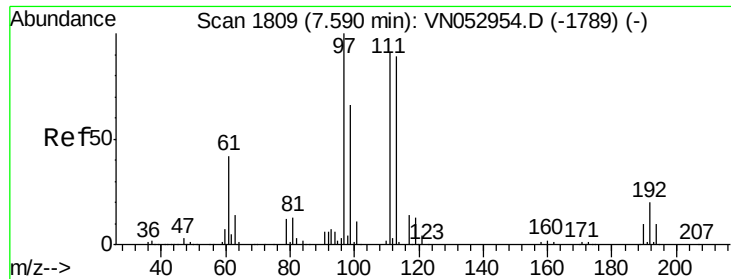
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053007.D
 Acq: 19 Dec 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2075645		
63	19.4	0.0	39.8	
88	15.3	0.0	31.0	





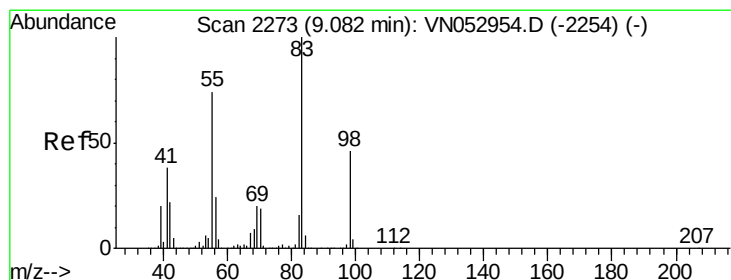
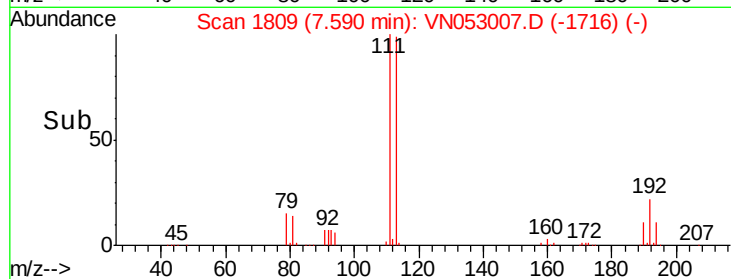
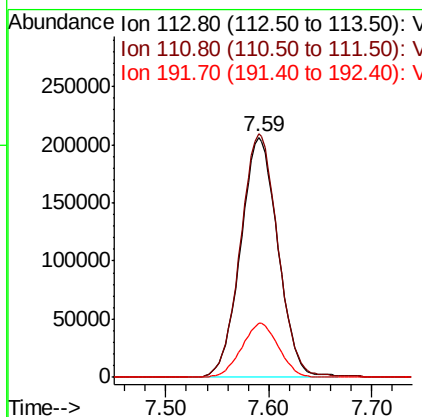
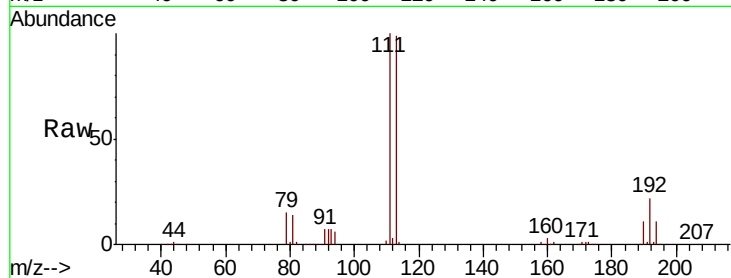
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053007.D
Acq: 19 Dec 2018 13:29

Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0006-01ME

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.4
192	22.5	17.5	26.3

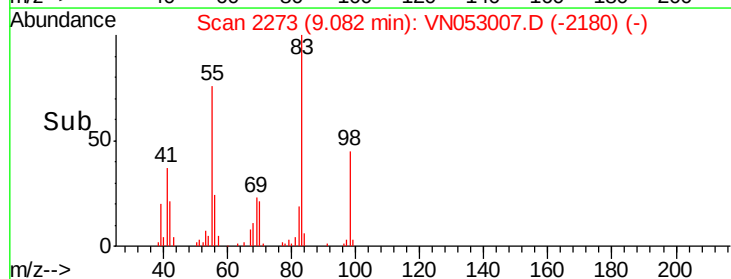
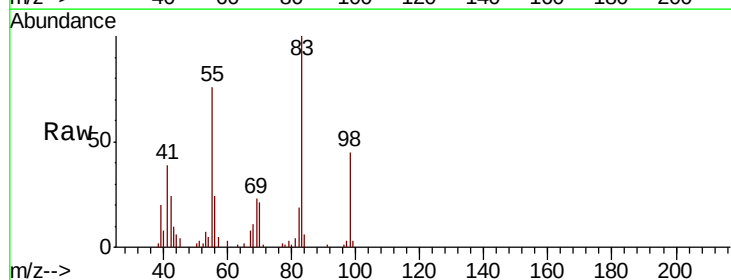
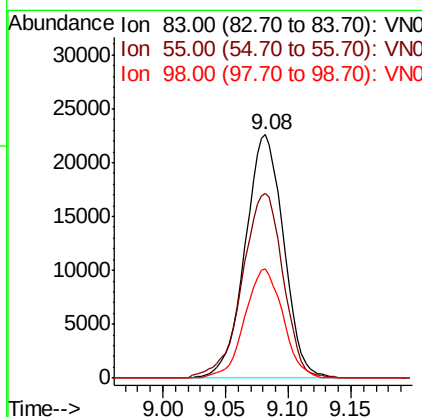
Manual Integrations
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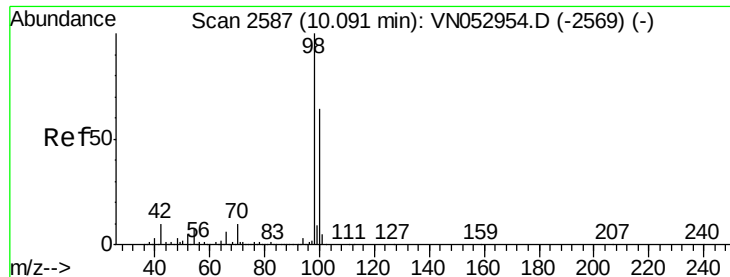
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#39
Methylcyclohexane
Concen: 1.999 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053007.D
Acq: 19 Dec 2018 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.3	91.9
98	44.8	37.0	55.4





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053007.D

Acq: 19 Dec 2018 13:29

Instrument :

MSVOA_N

ClientSampleId :

P001-SD002-0006-01ME

Tot Ion: 98 Resp: 2551712

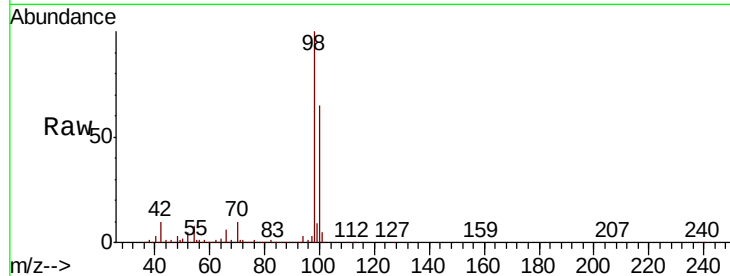
Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4

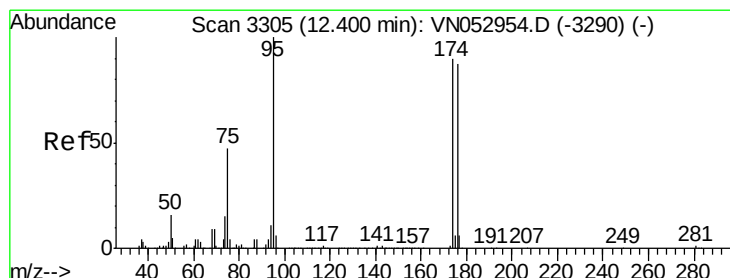
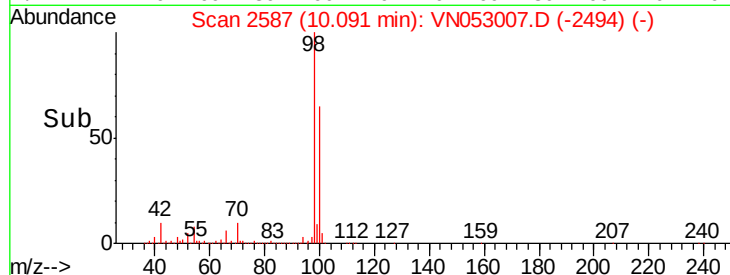
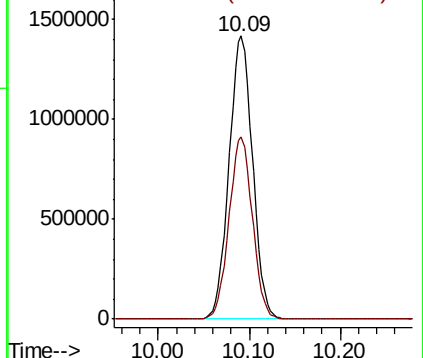
Manual Integrations
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12/20/2018 9:34:41 AM



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053007.D

Acq: 19 Dec 2018 13:29

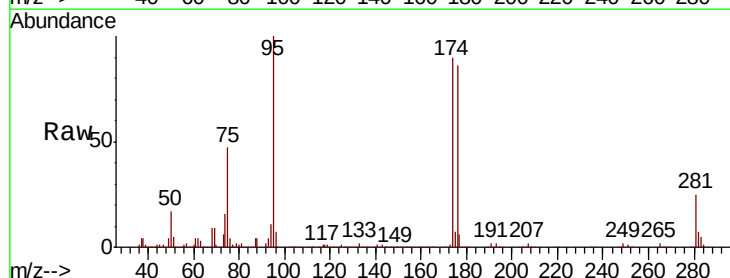
Tgt Ion: 95 Resp: 884667

Ion Ratio Lower Upper

95 100

174 91.2 0.0 178.8

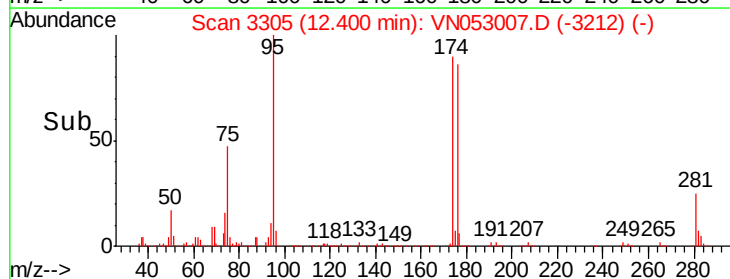
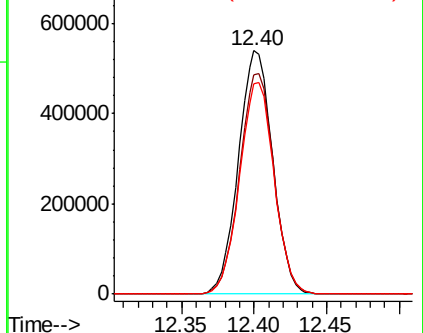
176 87.8 0.0 173.8

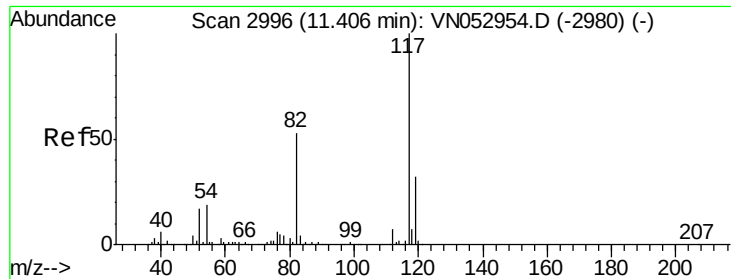


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





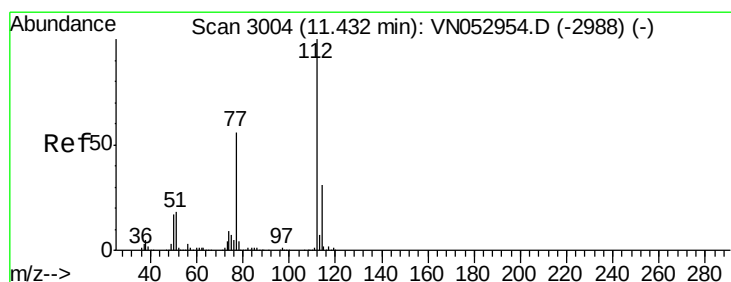
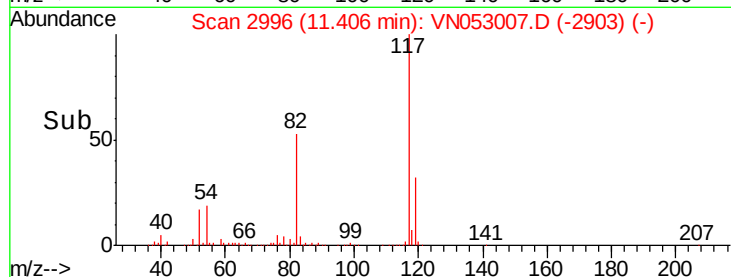
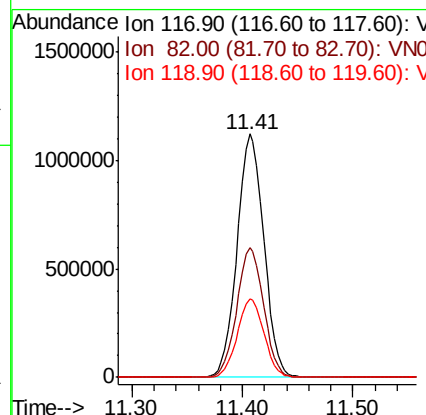
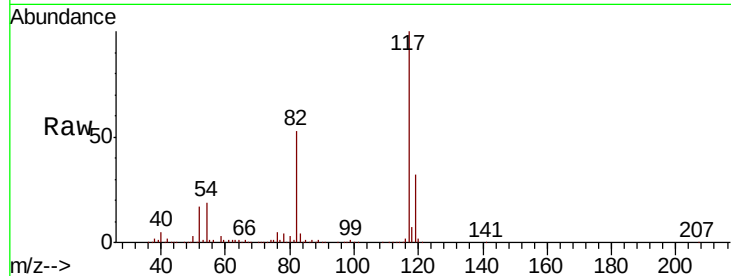
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053007.D
Acq: 19 Dec 2018 13:29

Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0006-01ME

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.8	64.2
119	32.2	25.5	38.3

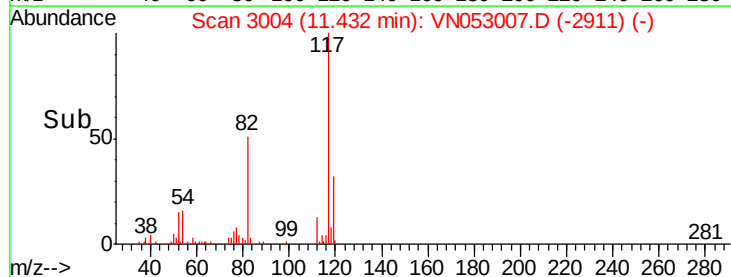
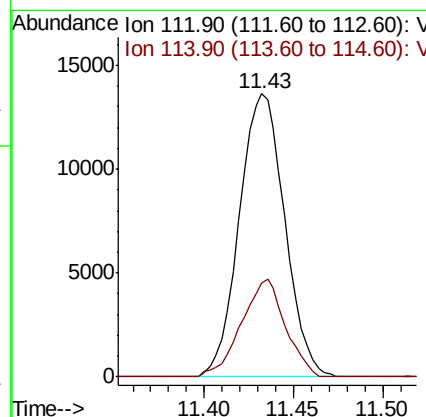
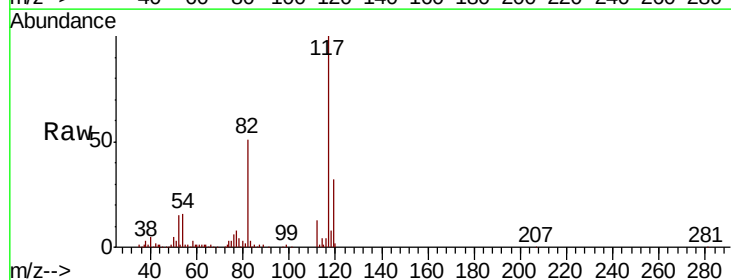
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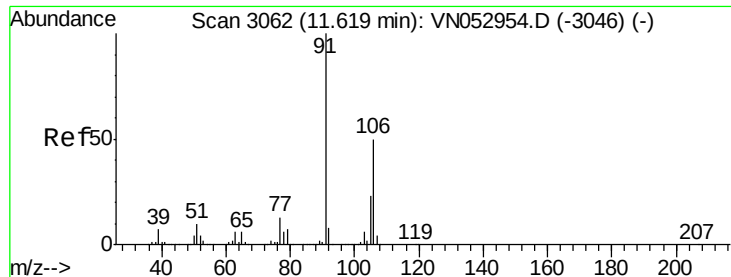
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12/20/2018 9:34:41 AM



#65
Chlorobenzene
Concen: 0.578 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053007.D
Acq: 19 Dec 2018 13:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.5	38.3





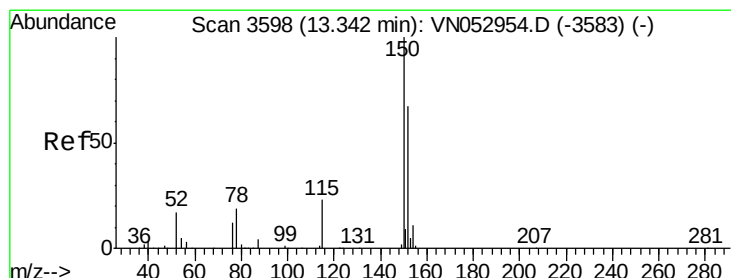
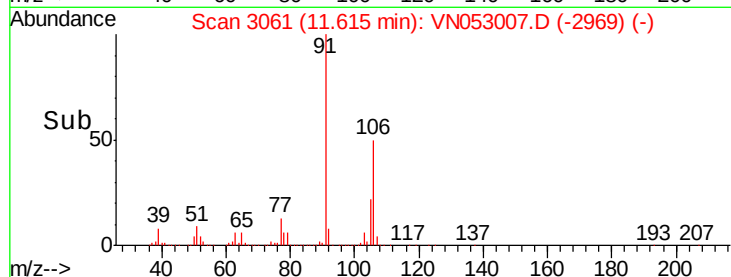
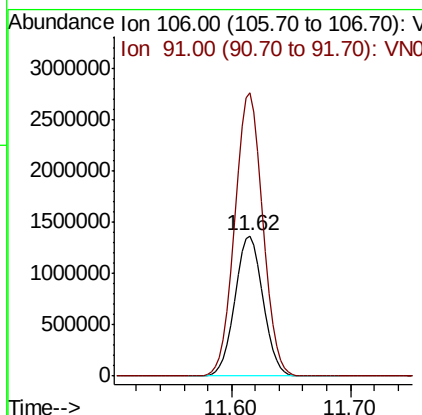
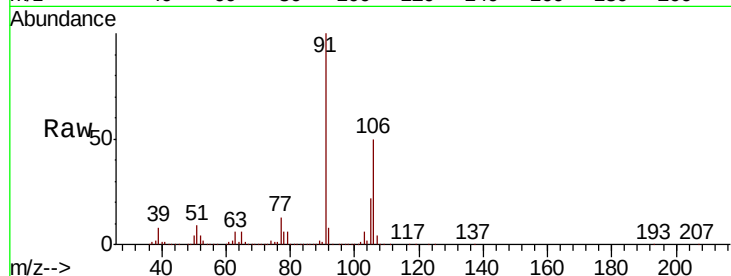
#68
m/p-Xylenes
Concen: 81.791 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN053007.D
Acq: 19 Dec 2018 13:29

Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0006-01ME

Tot Ion:106 Resp: 2239393
Ion Ratio Lower Upper
106 100
91 201.4 162.2 243.4

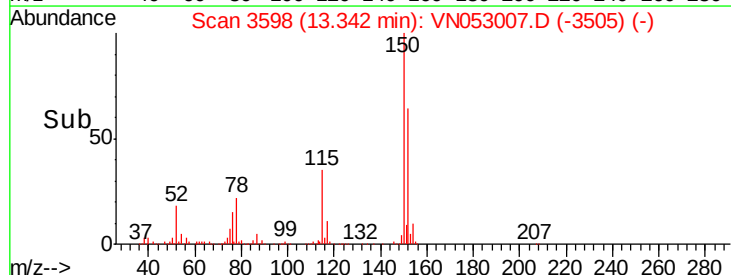
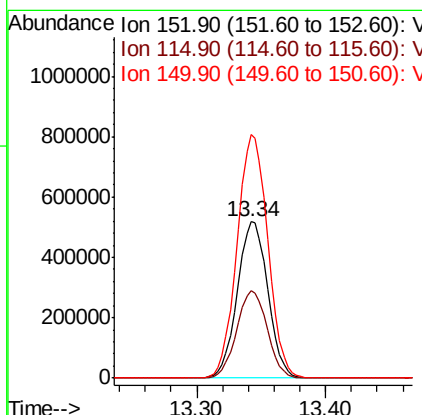
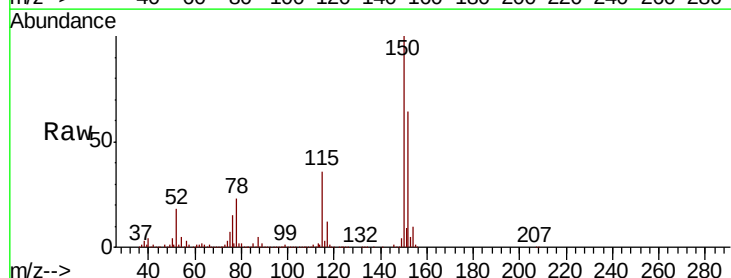
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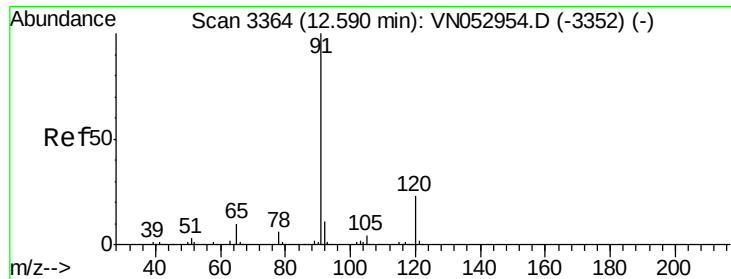
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12/20/2018 9:34:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053007.D
Acq: 19 Dec 2018 13:29

Tgt Ion:152 Resp: 849820
Ion Ratio Lower Upper
152 100
115 56.0 28.3 85.0
150 156.6 0.0 347.8





#78

n-propylbenzene

Concen: 0.482 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053007.D

Acq: 19 Dec 2018 13:29

Instrument :

MSVOA_N

ClientSampleId :

P001-SD002-0006-01ME

Tot Ion: 91 Resp: 36529

Ion Ratio Lower Upper

91 100

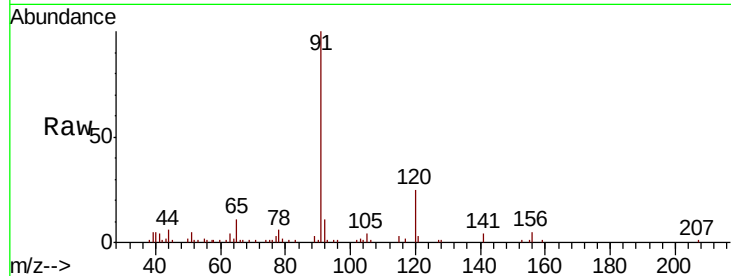
120 23.5 11.5 34.5

Manual Integrations

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12/20/2018 9:34:41 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3352) (-)

25000

20000

15000

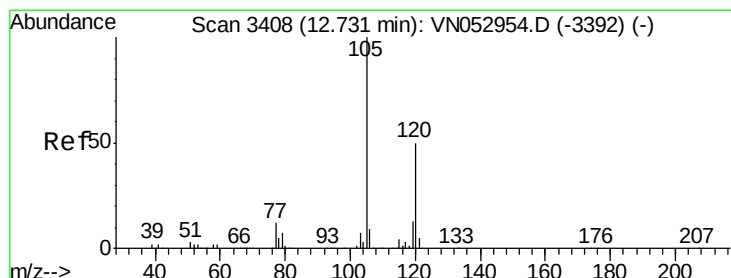
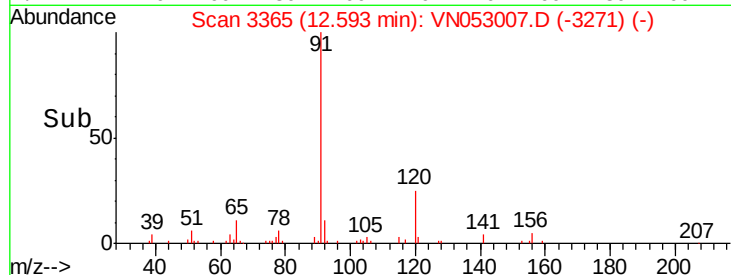
10000

5000

0

Time-->

12.50 12.55 12.60 12.65



#80

1,3,5-Trimethylbenzene

Concen: 0.945 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053007.D

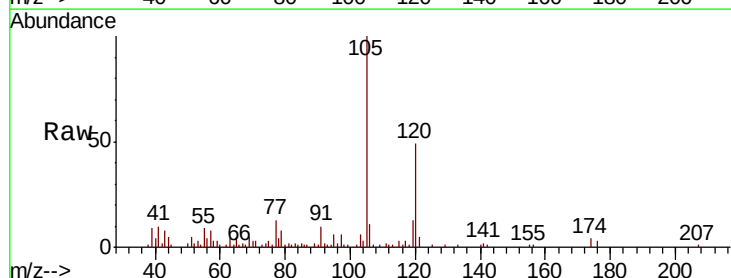
Acq: 19 Dec 2018 13:29

Tgt Ion: 105 Resp: 51205

Ion Ratio Lower Upper

105 100

120 47.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)

60000

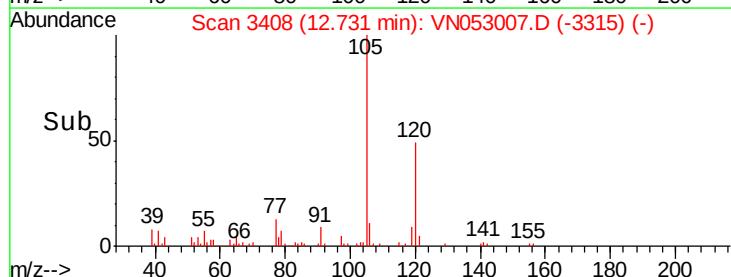
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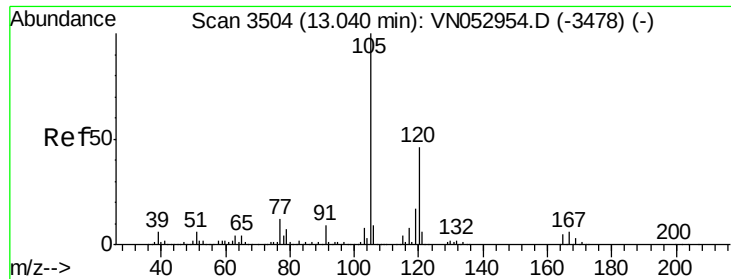
20000

0

Time-->

12.70 12.75 12.80





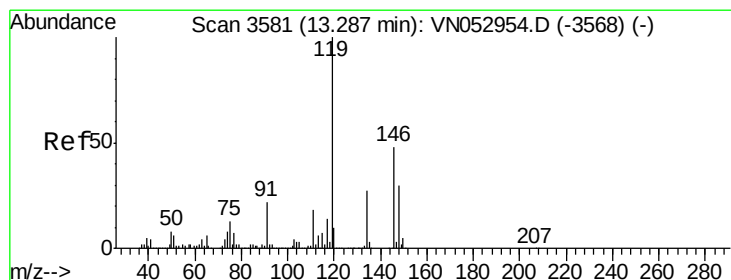
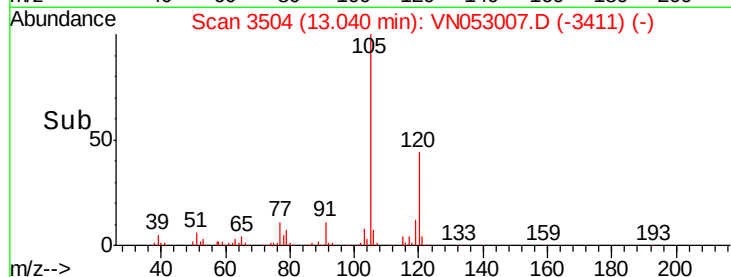
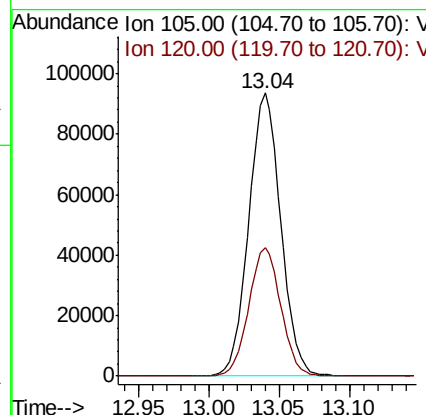
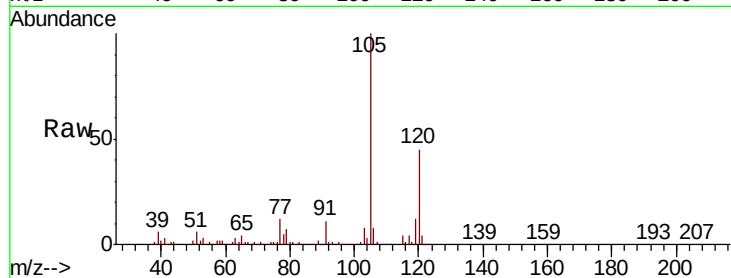
#84
 1,2,4-Trimethylbenzene
 Concen: 2.736 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053007.D
 Acq: 19 Dec 2018 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0006-01ME

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.8

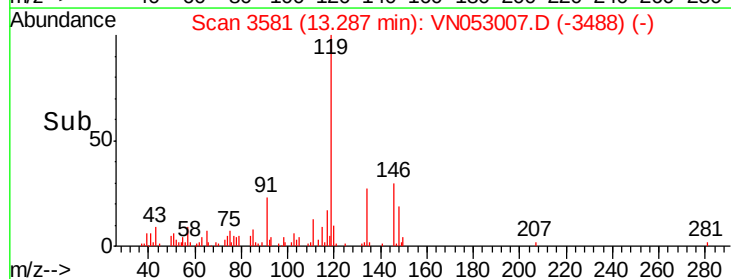
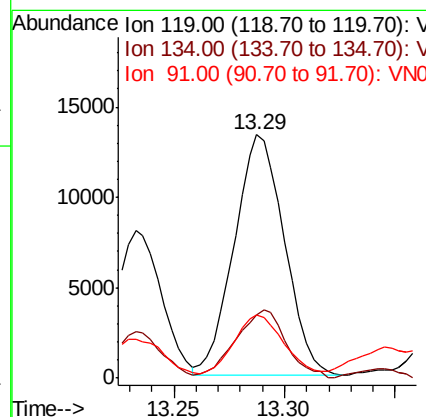
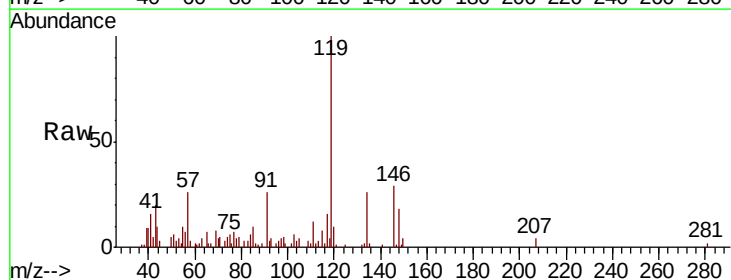
Manual Integrations
 APPROVED

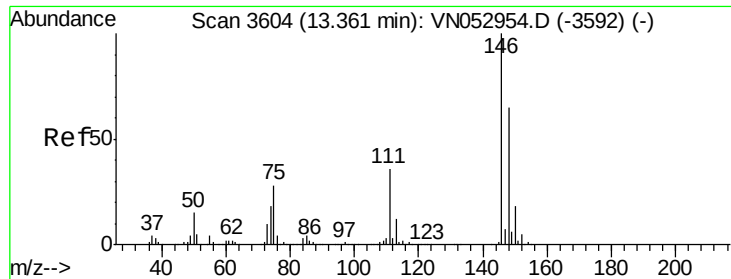
MMDadoda
 12/20/2018 9:34:41 AM



#86
 p-Isopropyltoluene
 Concen: 0.375 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053007.D
 Acq: 19 Dec 2018 13:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.5	13.4	40.2
91	25.4	11.1	33.3





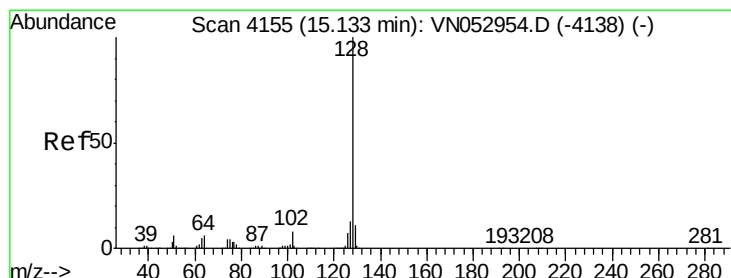
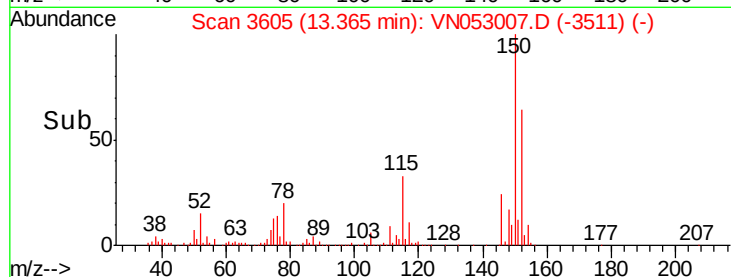
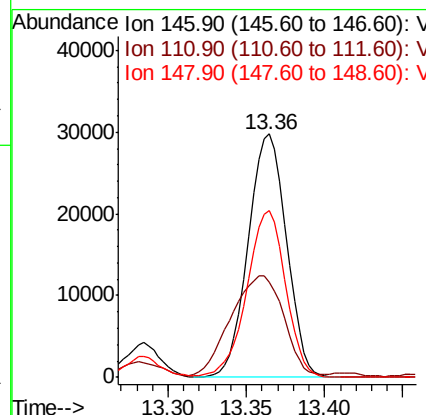
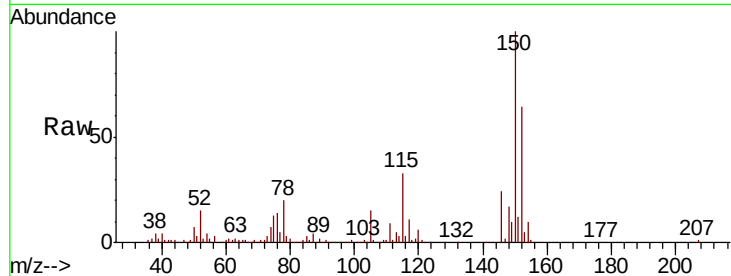
#88
 1,4-Dichlorobenzene
 Concen: 1.620 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053007.D
 Acq: 19 Dec 2018 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0006-01ME

Tot Ion	Ratio	Lower	Upper
146	100		
111	6.3	18.6	55.8#
148	8.3	32.1	96.5#

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 9:34:41 AM



#95
 Naphthalene
 Concen: 2.309 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN053007.D
 Acq: 19 Dec 2018 13:29

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.9	8.6	13.0

