

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057047.D
 Acq On : 1 Aug 2019 19:04
 Operator : JC/SP
 Sample : K4114-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CS-TEST-PIT

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:18:17 AM

Quant Time: Aug 02 07:02:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	576827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	823831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	673572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198948	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	276667	46.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.72%	
35) Dibromofluoromethane	7.58	113	255455	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
50) Toluene-d8	10.08	98	966435	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	260242	39.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.50%	
Target Compounds						
16) Acetone	3.81	43	29708	13.888	ug/l	96
17) Carbon Disulfide	4.04	76	7845	0.582	ug/l #	92
25) 2-Butanone	6.83	43	13137	4.331	ug/l	98
52) Toluene	10.15	92	887637	66.169	ug/l	98
73) Isopropylbenzene	12.25	105	4912	0.286	ug/l	99
86) p-Isopropyltoluene	13.29	119	4709	0.329	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	3693	0.541	ug/l	91
88) 1,4-Dichlorobenzene	13.36	146	4899m	0.746	ug/l	
89) n-Butylbenzene	13.62	91	4373	0.397	ug/l	88
95) Naphthalene	15.12	128	15392	5.278	ug/l	96

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

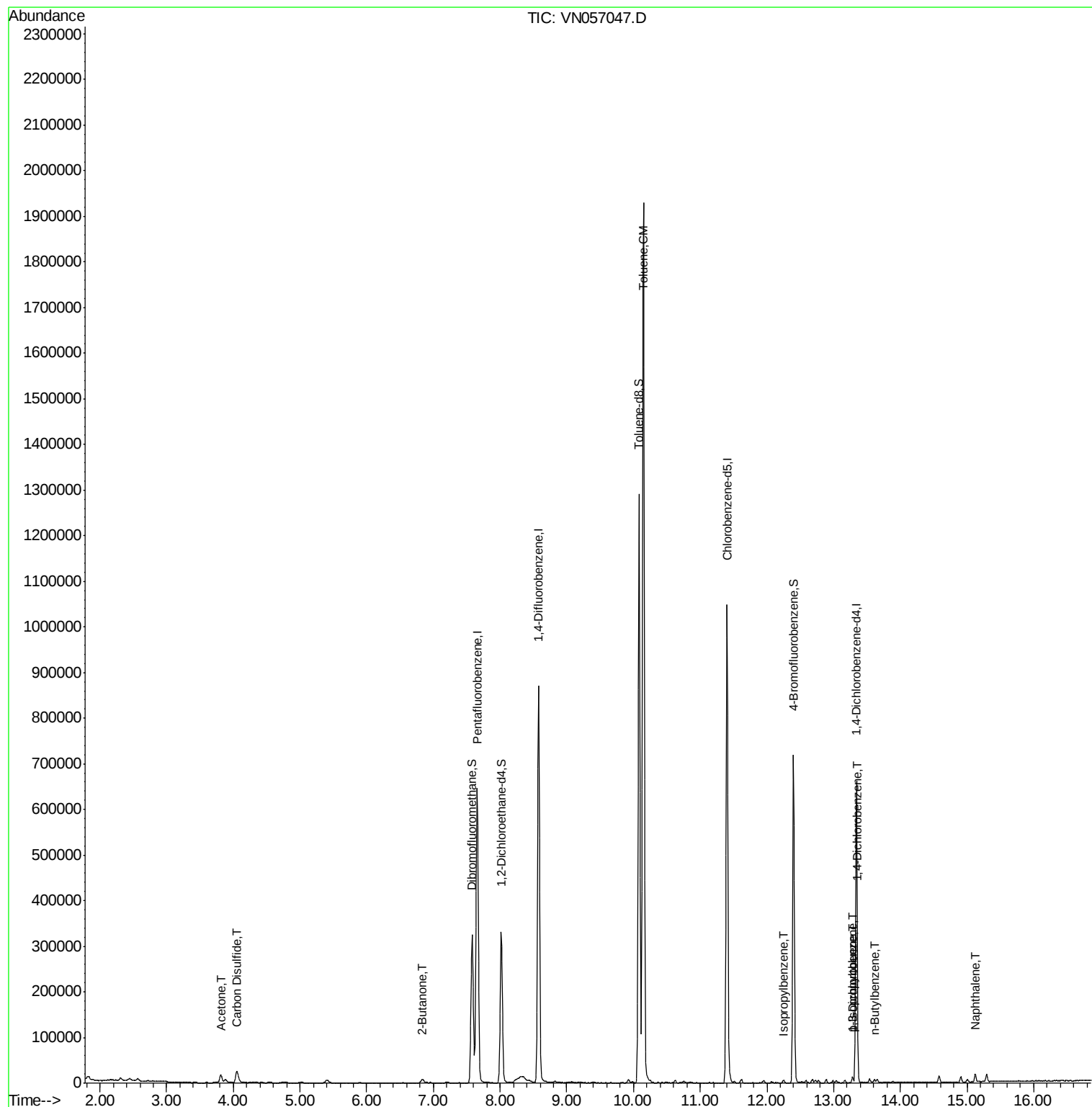
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080119\
Data File : VN057047.D
Acq On : 1 Aug 2019 19:04
Operator : JC/SP
Sample : K4114-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

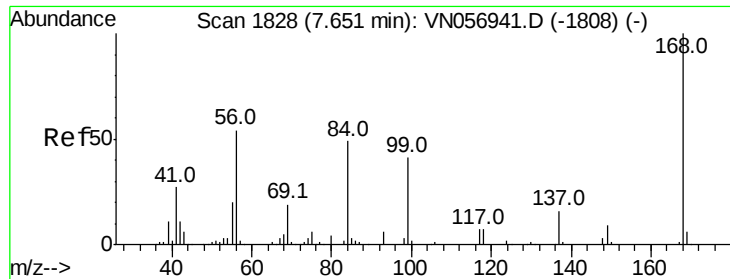
Instrument :
MSVOA_N
ClientSampleId :
CS-TEST-PIT

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8/2/2019 11:18:17 AM

Quant Time: Aug 02 07:02:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057047.D

Acq: 1 Aug 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

CS-TEST-PIT

Tot Ion:168 Resp: 576827

Ion Ratio Lower Upper

168 100

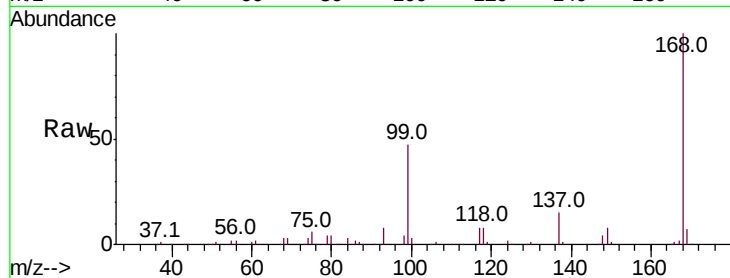
99 47.3 39.0 58.4

Manual Integrations

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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

250000

200000

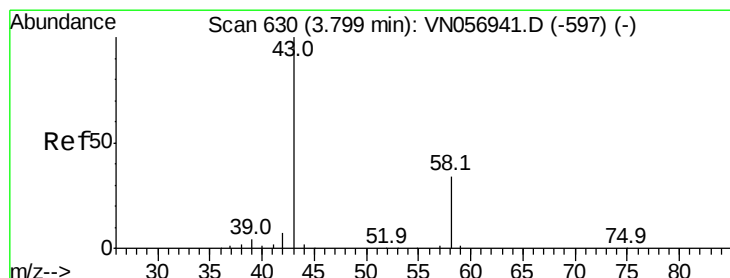
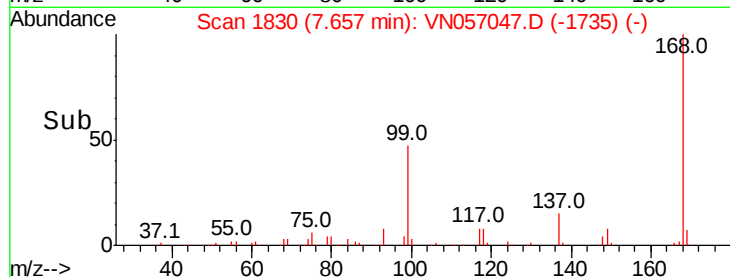
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 13.888 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN057047.D

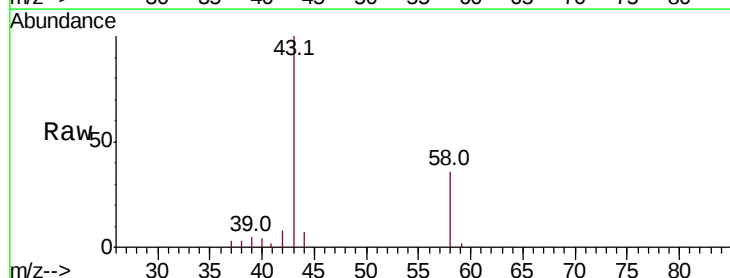
Acq: 1 Aug 2019 19:04

Tgt Ion: 43 Resp: 29708

Ion Ratio Lower Upper

43 100

58 36.3 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.81

12000

10000

8000

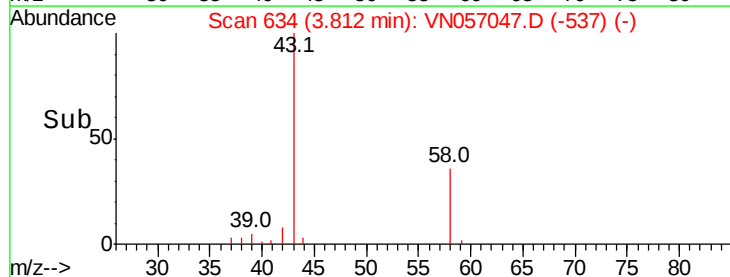
6000

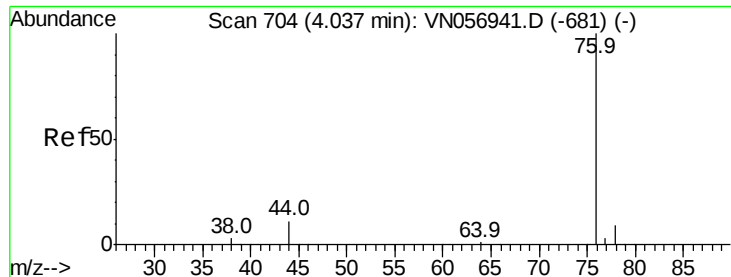
4000

2000

0

Time--> 3.70 3.75 3.80 3.85 3.90





#17

Carbon Disulfide

Concen: 0.582 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN057047.D

Acq: 1 Aug 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

CS-TEST-PIT

Tot Ion: 76 Resp: 7845

Ion Ratio Lower Upper

76 100

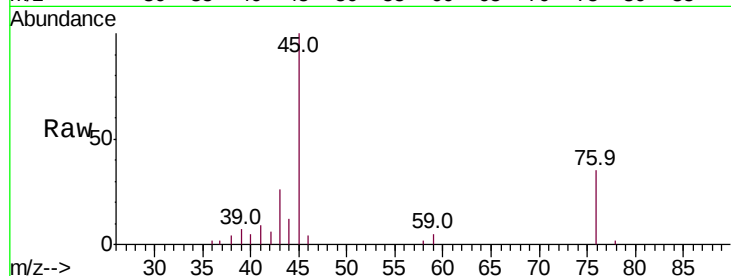
78 6.2 7.2 10.8#

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

3000

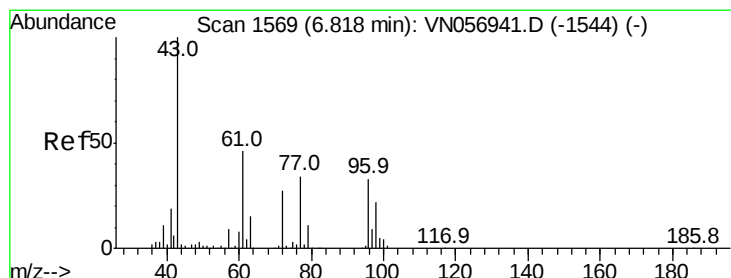
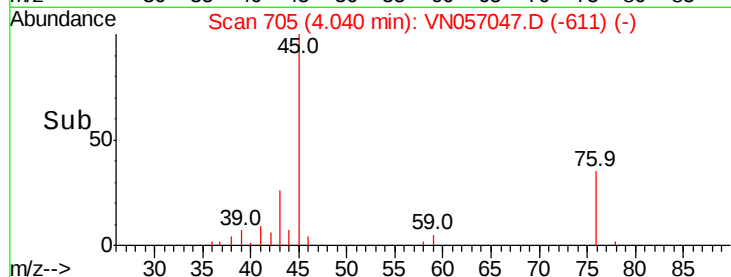
2000

1000

0

Time-->

3.95 4.00 4.05 4.10



#25

2-Butanone

Concen: 4.331 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN057047.D

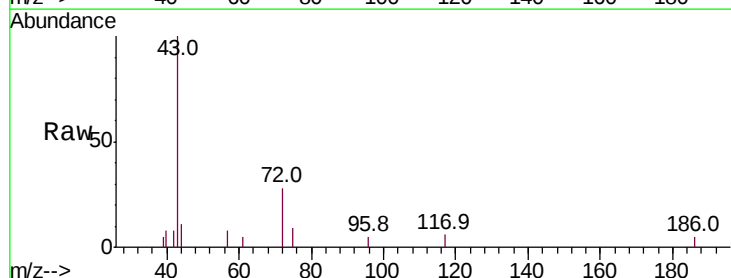
Acq: 1 Aug 2019 19:04

Tgt Ion: 43 Resp: 13137

Ion Ratio Lower Upper

43 100

72 28.0 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

4000

3000

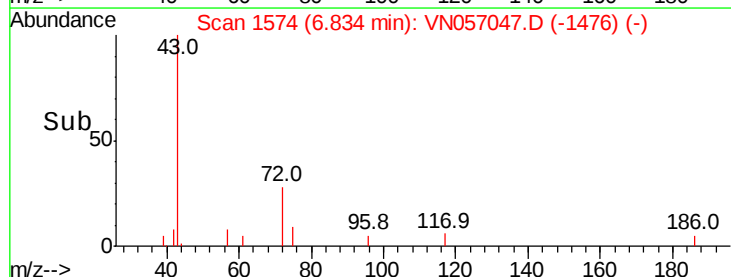
2000

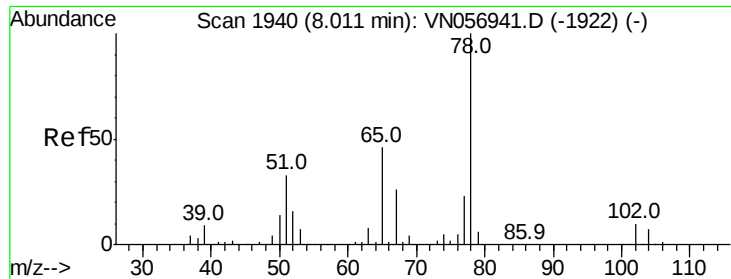
1000

0

Time-->

6.80 6.90





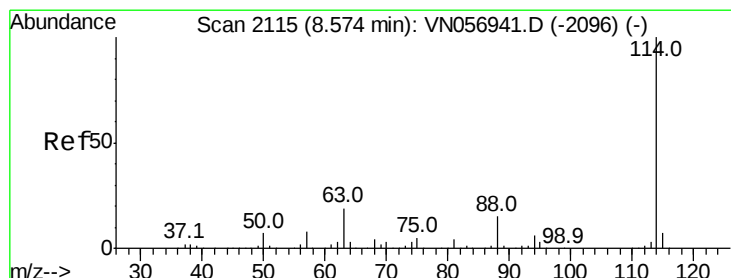
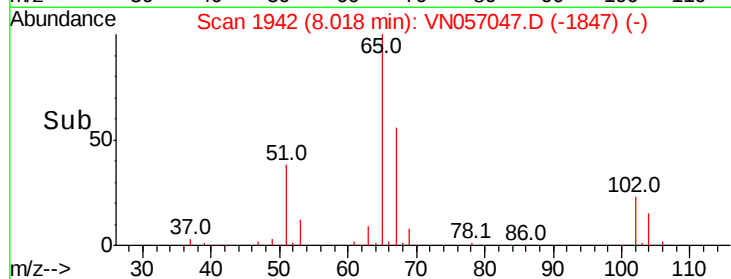
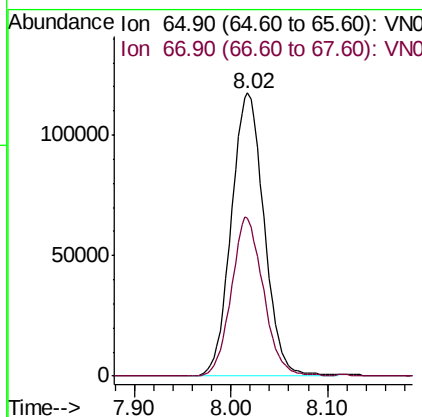
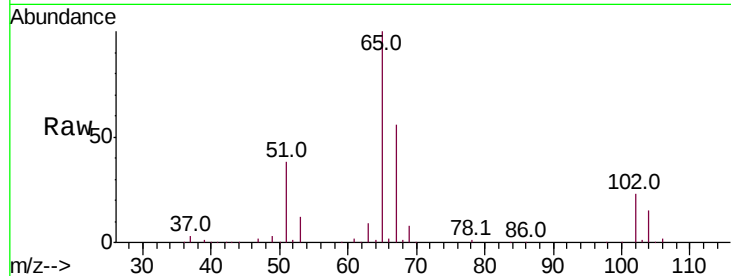
#33
 1,2-Dichloroethane-d4
 Concen: 46.856 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057047.D
 Acq: 1 Aug 2019 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 CS-TEST-PIT

Tot Ion: 65 Resp: 276667
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 112.0

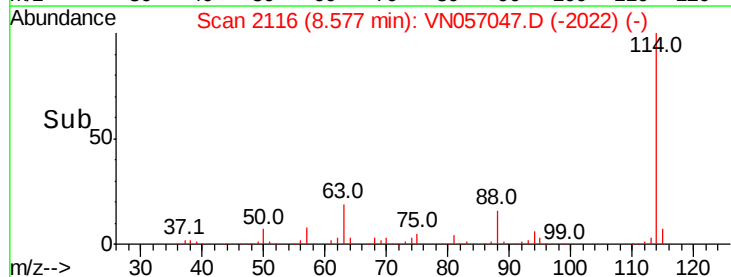
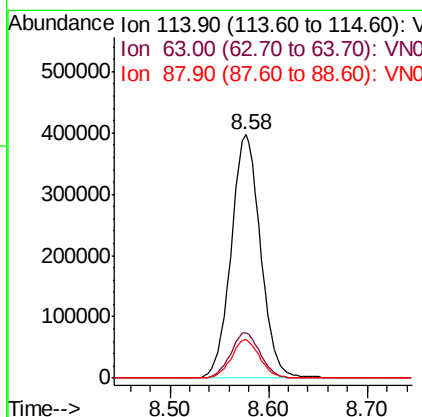
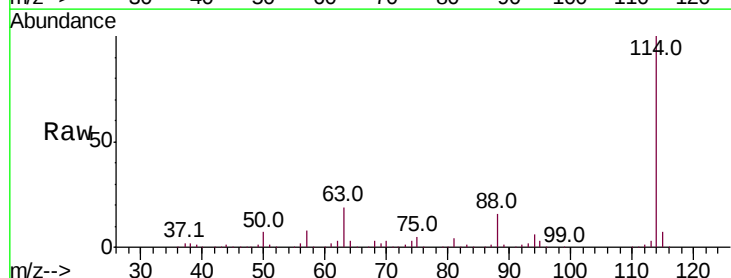
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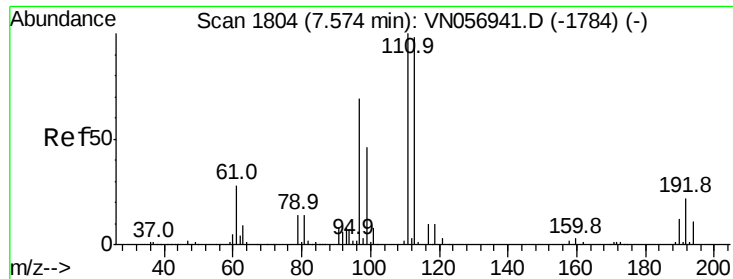
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057047.D
 Acq: 1 Aug 2019 19:04

Tgt Ion: 114 Resp: 823831
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.0
 88 15.8 0.0 30.0





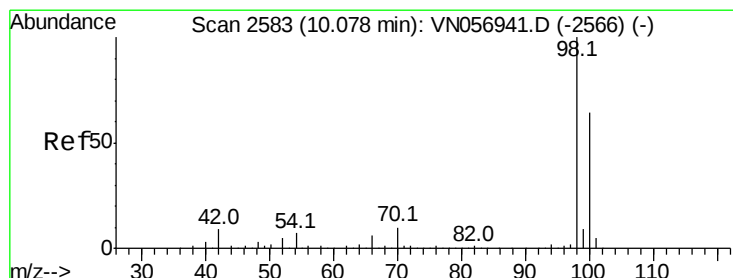
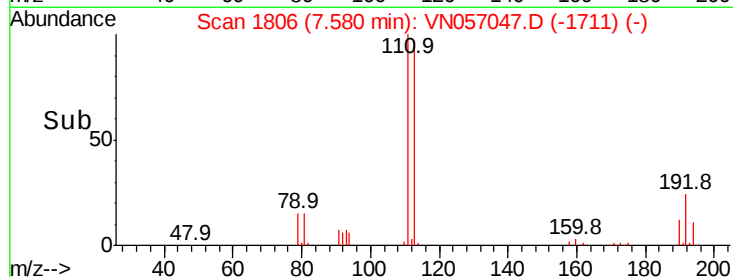
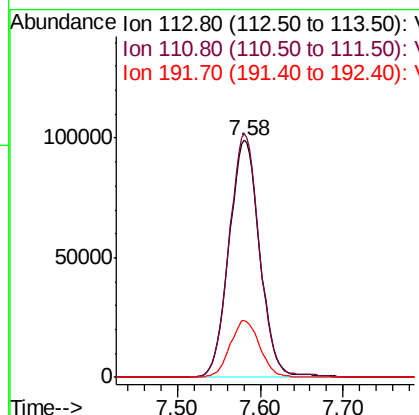
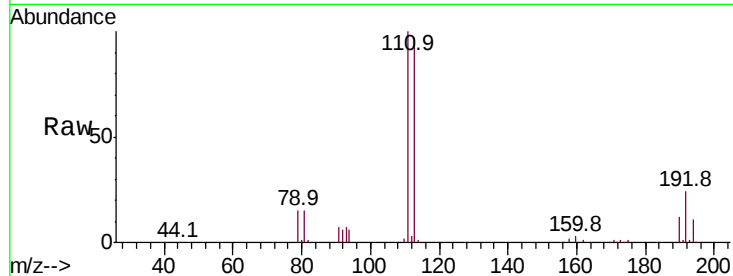
#35
 Dibromofluoromethane
 Concen: 48.438 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057047.D
 Acq: 1 Aug 2019 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 CS-TEST-PIT

Tot Ion	Ratio	Resp	Lower	Upper
113	100	255455		
111	101.8	82.0	123.0	
192	23.2	18.4	27.6	

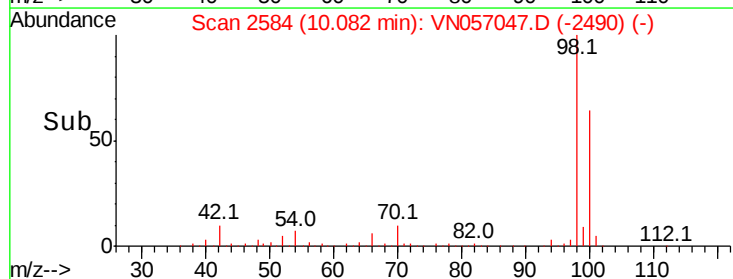
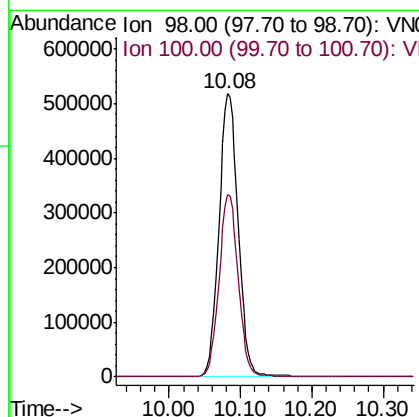
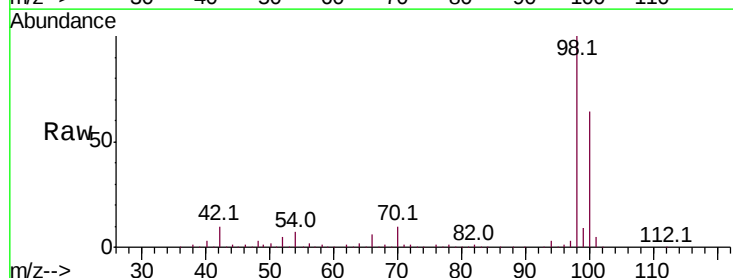
Manual Integrations
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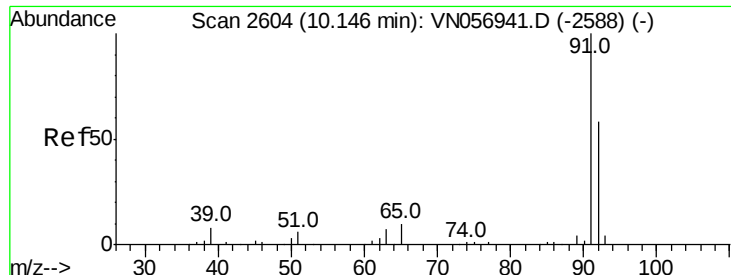
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#50
 Toluene-d8
 Concen: 48.053 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN057047.D
 Acq: 1 Aug 2019 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	966435		
100	64.2	51.3	76.9	





#52

Toluene

Concen: 66.169 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057047.D

Acq: 1 Aug 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

CS-TEST-PIT

Tot Ion: 92 Resp: 887637

Ion Ratio Lower Upper

92 100

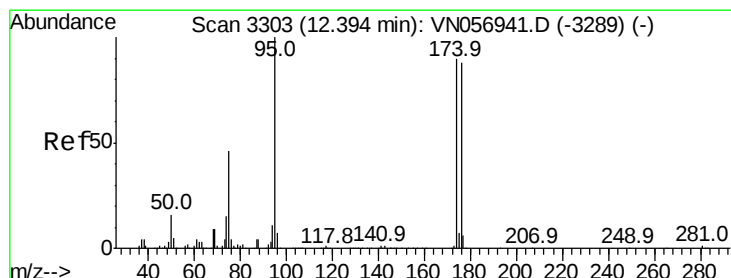
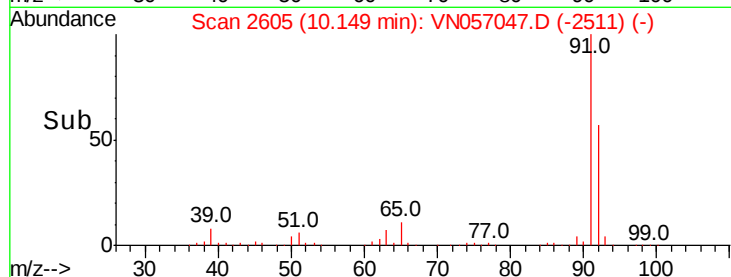
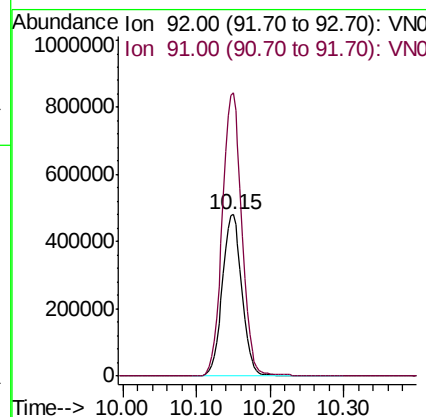
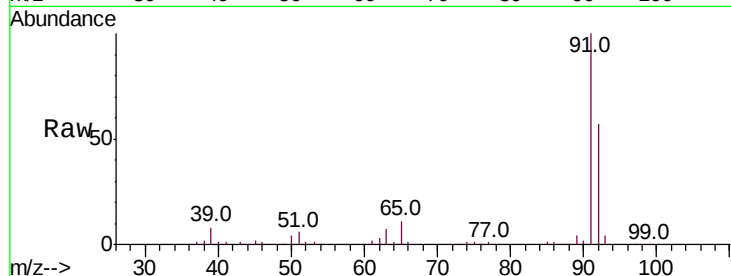
91 175.0 138.0 207.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 39.748 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057047.D

Acq: 1 Aug 2019 19:04

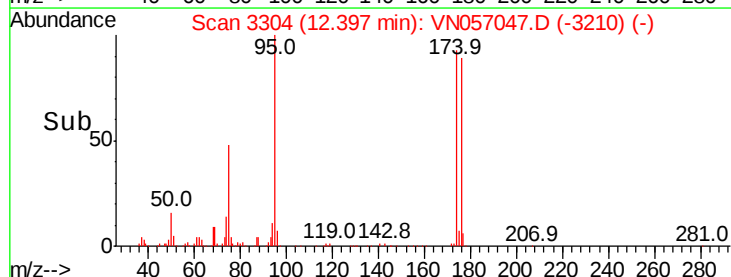
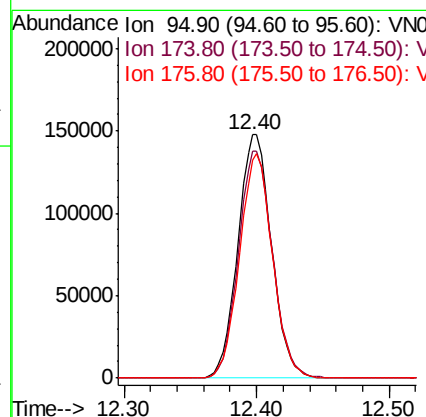
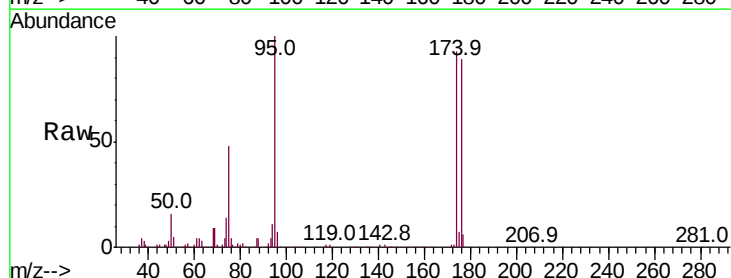
Tgt Ion: 95 Resp: 260242

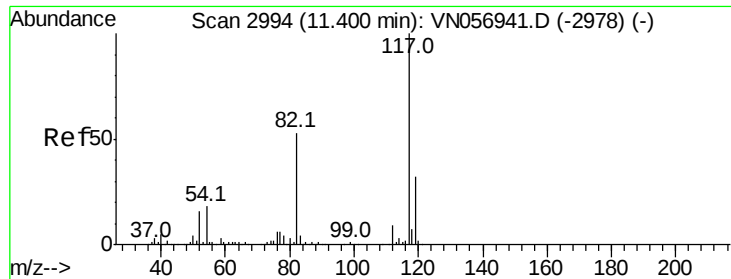
Ion Ratio Lower Upper

95 100

174 94.3 0.0 182.2

176 90.3 0.0 179.4





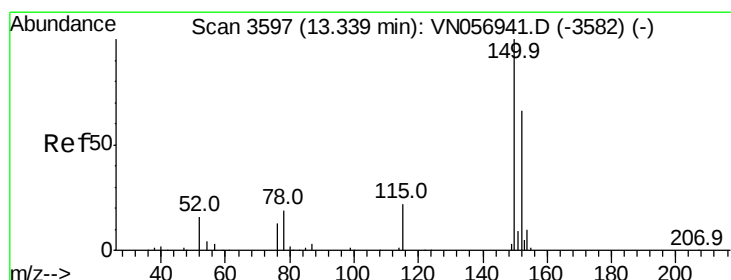
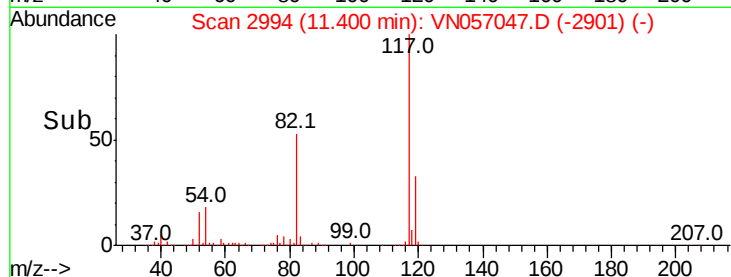
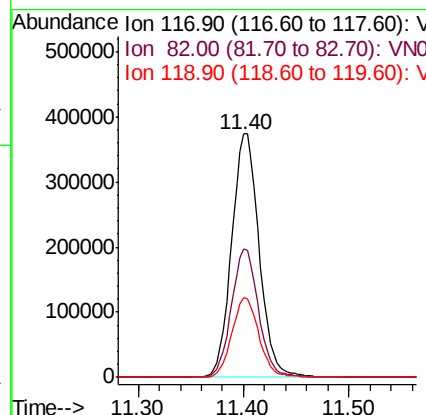
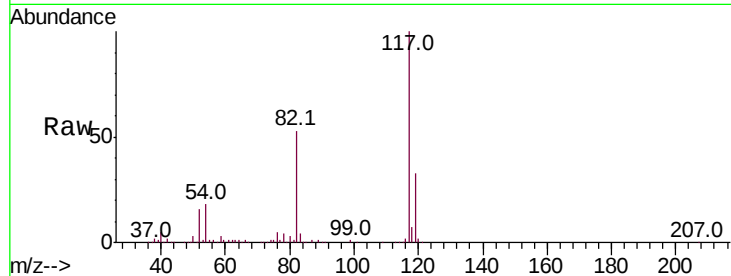
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057047.D
Acq: 1 Aug 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
CS-TEST-PIT

Tot Ion	Ratio	Resp	Lower	Upper
117	100	673572		
82	52.6		42.2	63.4
119	32.6		25.8	38.6

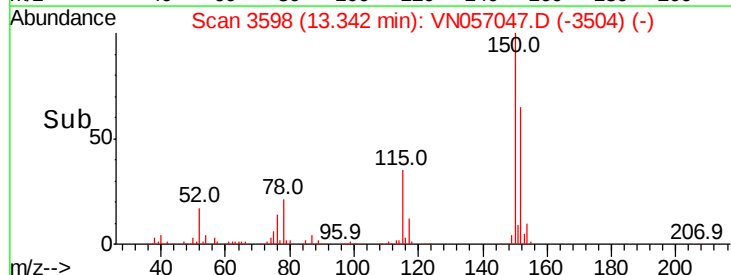
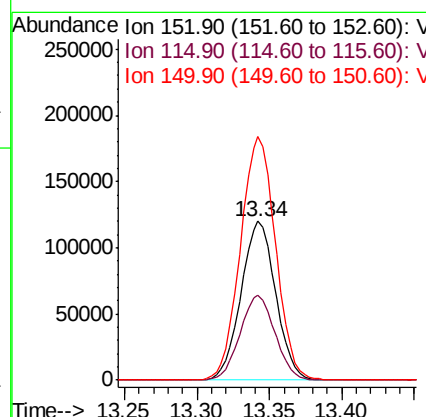
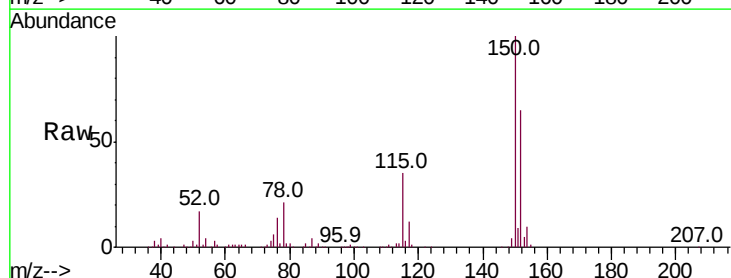
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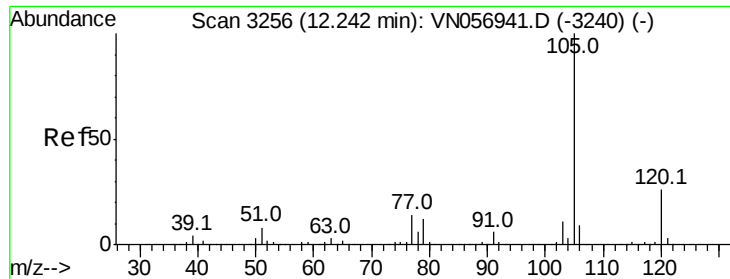
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN057047.D
Acq: 1 Aug 2019 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	198948		
115	53.9		28.2	84.6
150	155.6		0.0	349.4





#73

Isopropylbenzene

Concen: 0.286 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057047.D

Acq: 1 Aug 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

CS-TEST-PIT

Tot Ion:105 Resp: 4912

Ion Ratio Lower Upper

105 100

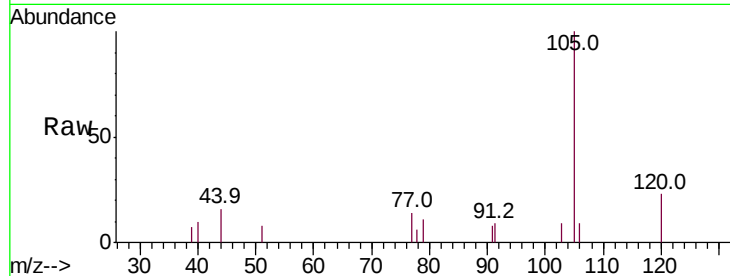
120 27.4 13.5 40.5

Manual Integrations

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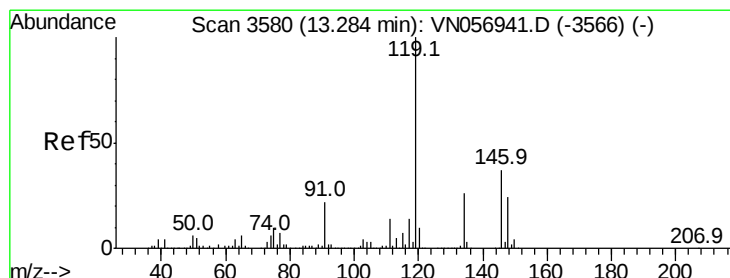
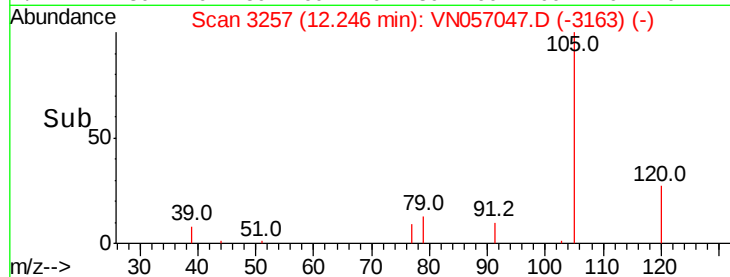
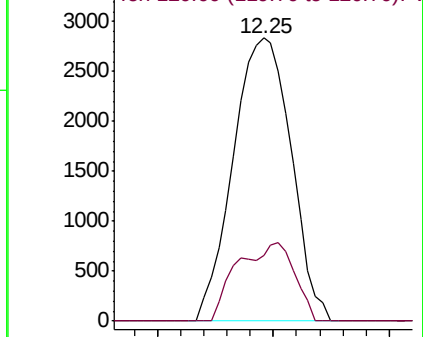
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 0.329 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057047.D

Acq: 1 Aug 2019 19:04

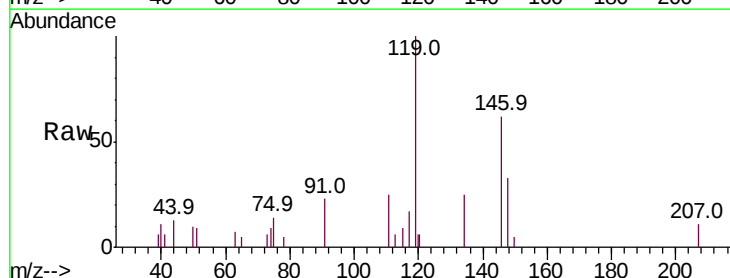
Tgt Ion:119 Resp: 4709

Ion Ratio Lower Upper

119 100

134 28.5 13.4 40.1

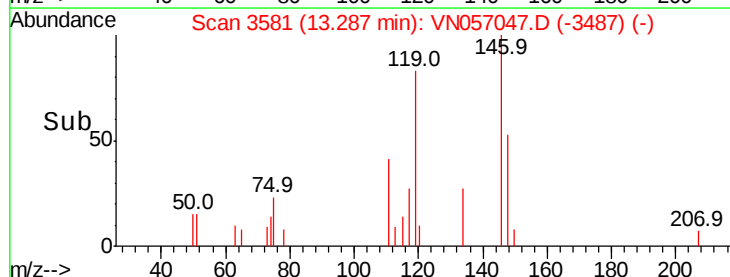
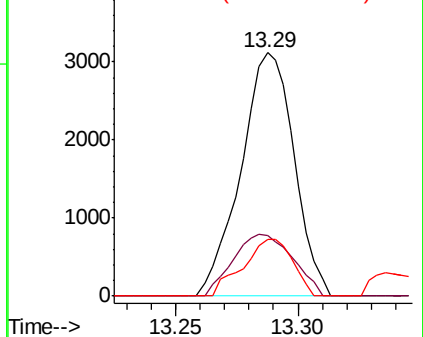
91 21.7 11.0 33.0

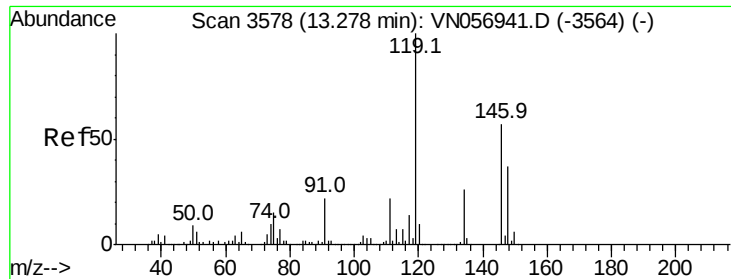


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 0.541 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN057047.D

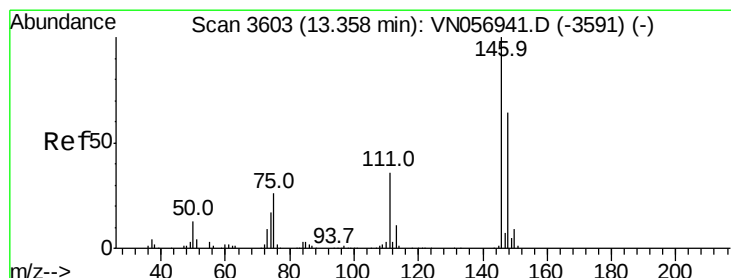
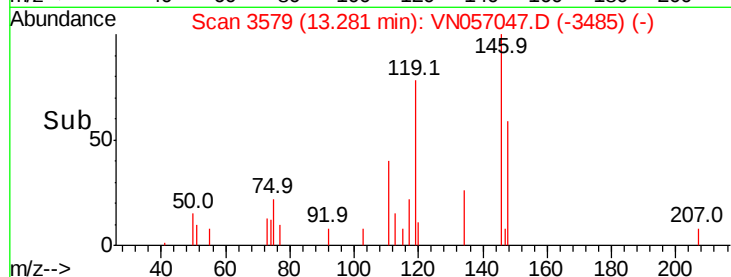
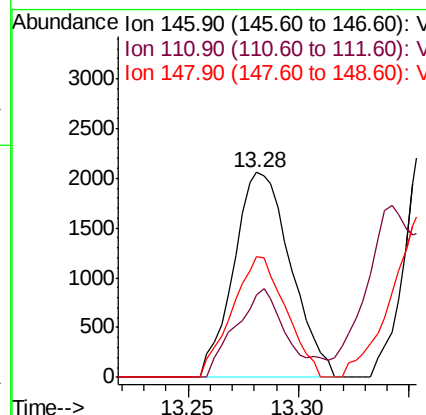
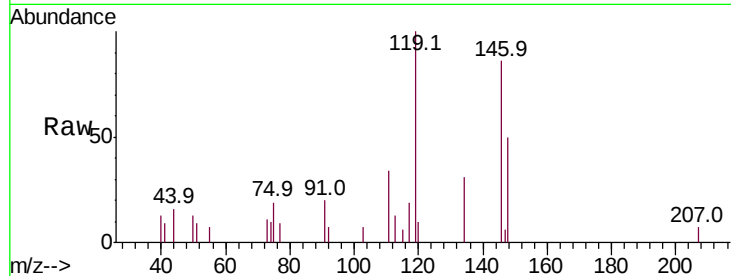
Acq: 1 Aug 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
CS-TEST-PIT

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.6	55.8
148	55.3	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
8/2/2019 11:18:17 AM



#88

1,4-Dichlorobenzene

Concen: 0.746 ug/l m

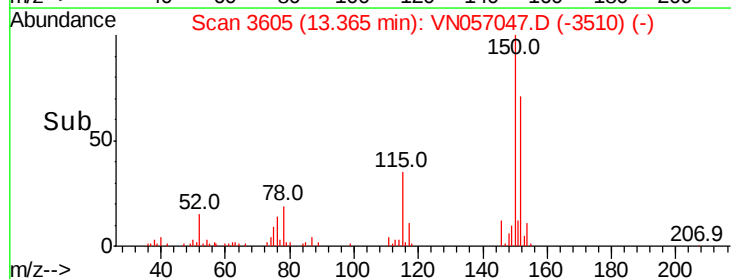
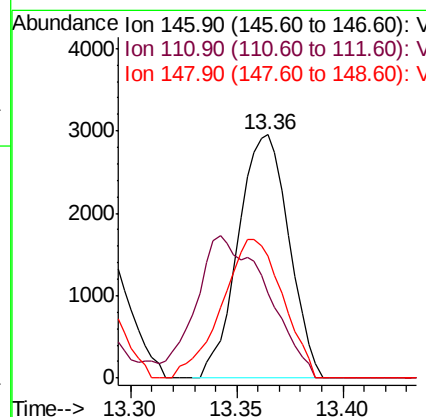
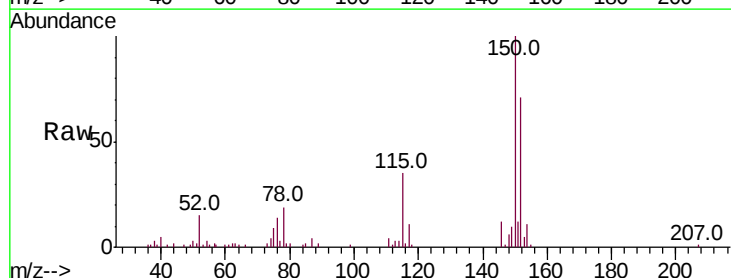
RT: 13.36 min Scan# 3605

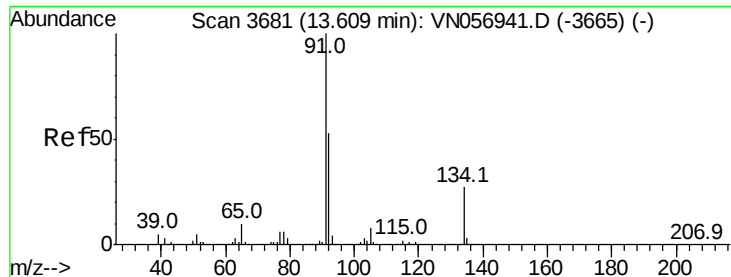
Delta R.T. 0.01 min

Lab File: VN057047.D

Acq: 1 Aug 2019 19:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	30.1	18.4	55.2
148	41.7	32.3	96.9





#89

n-Butylbenzene

Concen: 0.397 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.01 min

Lab File: VN057047.D

Acq: 1 Aug 2019 19:04

Instrument :

MSVOA_N

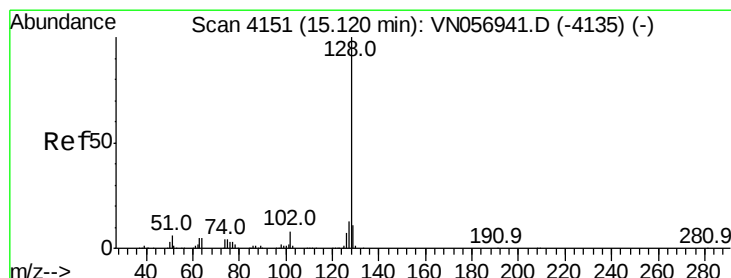
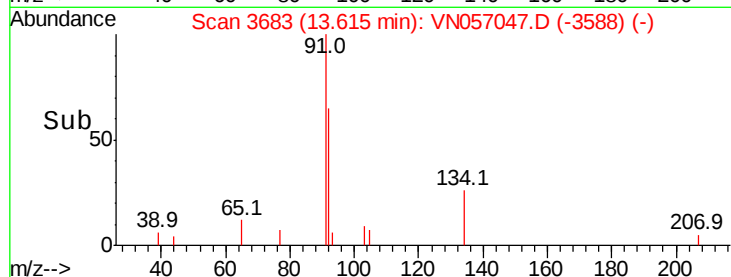
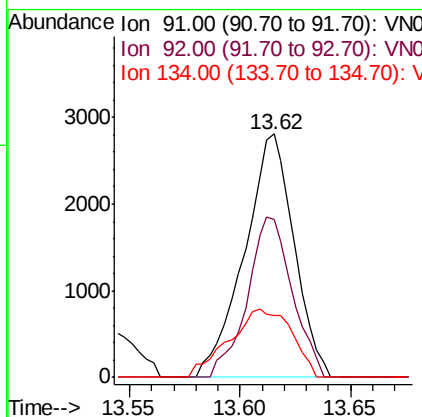
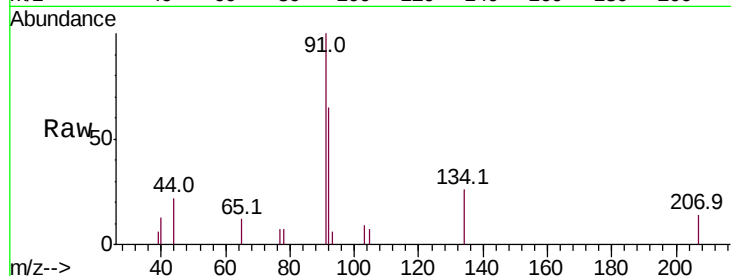
ClientSampleId :

CS-TEST-PIT

Tot Ion:	91	Resp:	4373
Ion	Ratio	Lower	Upper
91	100		
92	59.5	26.2	78.5
134	35.4	13.5	40.4

Manual Integrations
APPROVED

MMDadoda
8/2/2019 11:18:17 AM



#95

Naphthalene

Concen: 5.278 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057047.D

Acq: 1 Aug 2019 19:04

Tgt Ion:	128	Resp:	15392
Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.0	15.0
129	10.0	8.7	13.1

