

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
 Data File : VN052421.D
 Acq On : 20 Nov 2018 21:18
 Operator : MD\SY
 Sample : J5999-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SSSI-1114-S-TCLP-3

Manual Integrations
 APPROVED

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 11/21/2018 5:12:50 PM

Quant Time: Nov 21 00:50:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	321336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	533866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	471931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177809	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	240373	52.96	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.59	113	177485	51.54	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.09	98	690160	50.95	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	214805	48.20	ug/l	0.00
Spiked Amount						

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	9844	7.88	ug/l	93
20) Methylene Chloride	4.51	84	42559473m	11353.47	ug/l	
40) Benzene	8.04	78	27638	1.81	ug/l	91
43) Isopropyl Acetate	8.17	43	16020	2.14	ug/l #	93
52) Toluene	10.16	92	239021	26.14	ug/l	99
67) Ethyl Benzene	11.51	91	91166	5.27	ug/l	98
68) m/p-Xylenes	11.62	106	113621	17.96	ug/l	97
69) o-Xylene	11.95	106	49163	8.11	ug/l	97
78) n-propylbenzene	12.59	91	23452	1.40	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	33773	2.97	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	131671	11.54	ug/l	98
95) Naphthalene	15.13	128	25361	6.42	ug/l	99

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

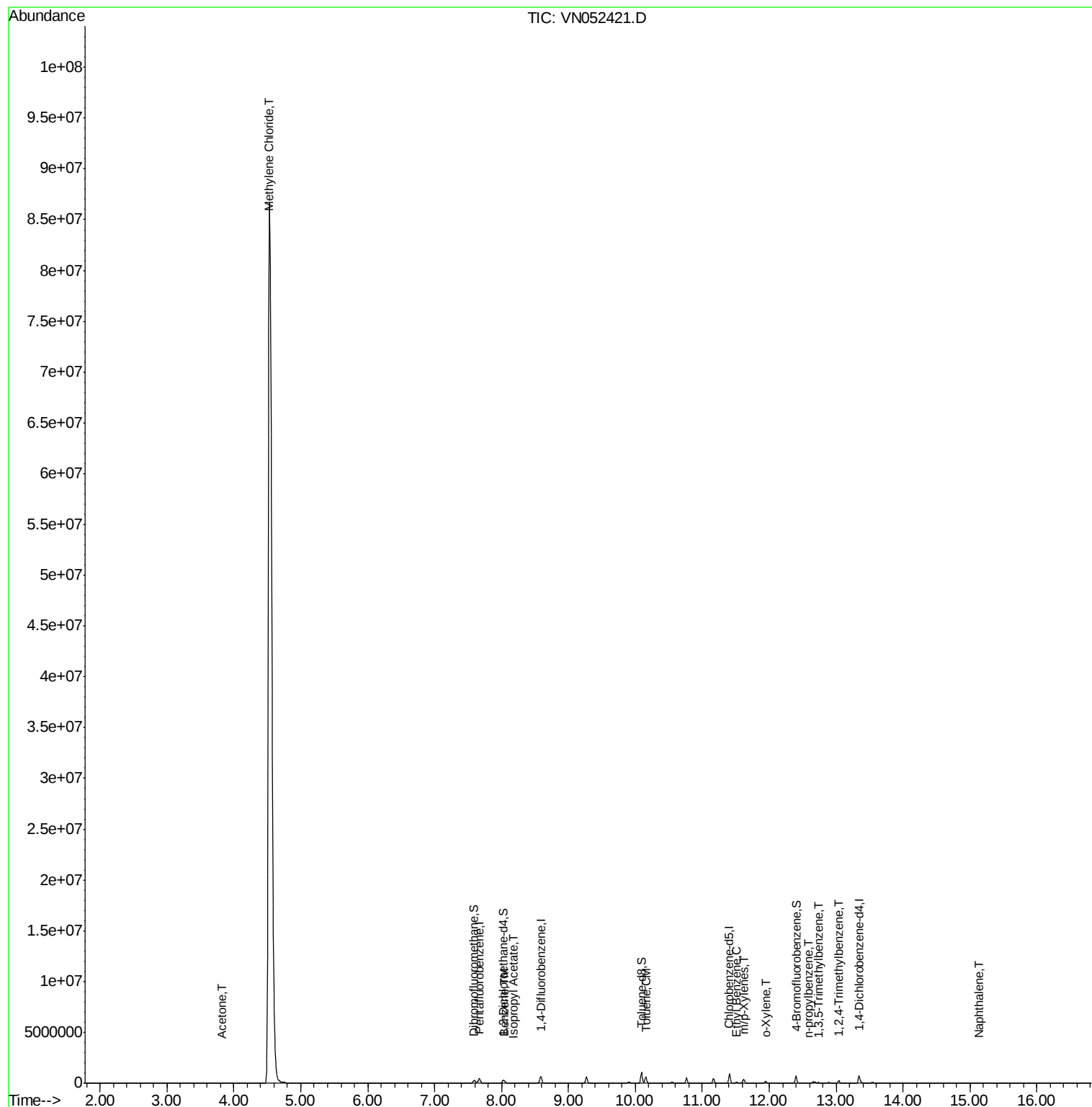
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
Data File : VN052421.D
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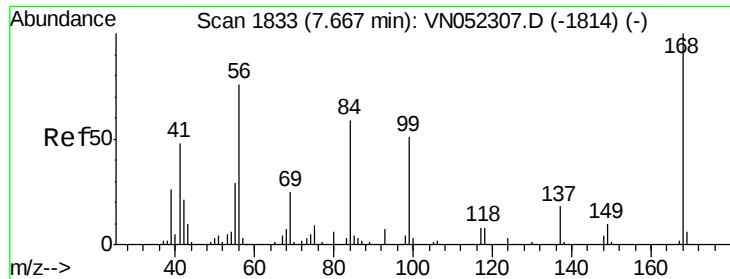
Instrument :
MSVOA_N
ClientSampleId :
SSSI-1114-S-TCLP-3

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Quant Time: Nov 21 00:50:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052421.D

Acq: 20 Nov 2018 21:18

Instrument :

MSVOA_N

ClientSampleId :

SSSI-1114-S-TCLP-3

Tgt Ion:168 Resp: 321336

Ion Ratio Lower Upper

168 100

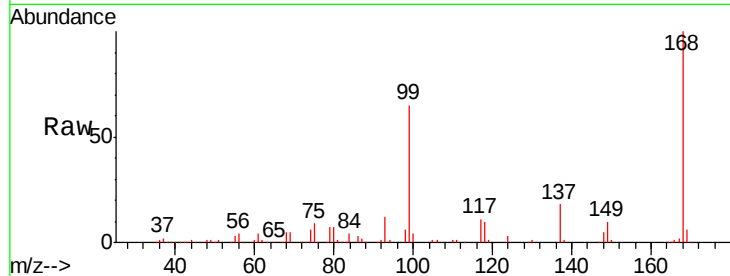
99 65.1 47.9 71.9

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Abundance Ion 167.90 (167.60 to 168.60): VN052421.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052421.D (-1740) (-)

7.67

150000

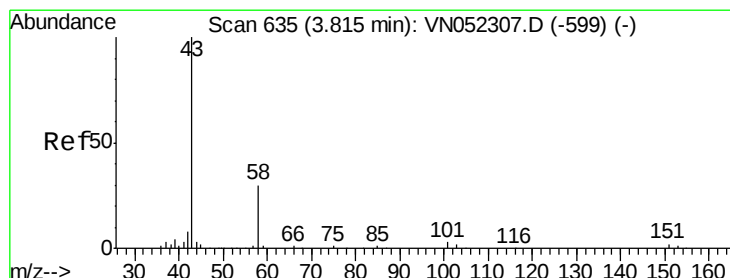
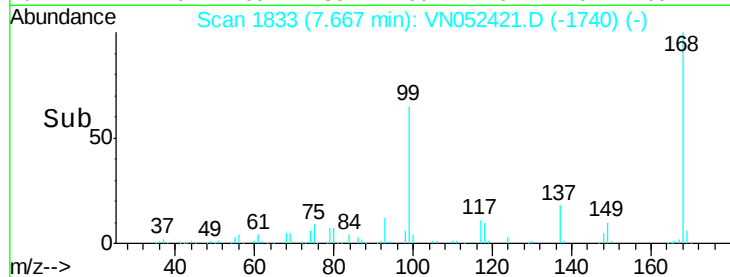
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 7.88 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052421.D

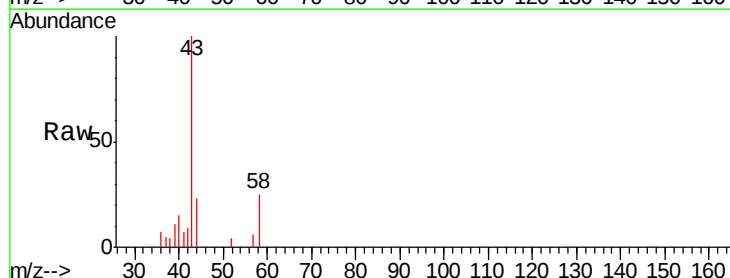
Acq: 20 Nov 2018 21:18

Tgt Ion: 43 Resp: 9844

Ion Ratio Lower Upper

43 100

58 26.4 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052421.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052421.D (-542) (-)

3.82

4000

3000

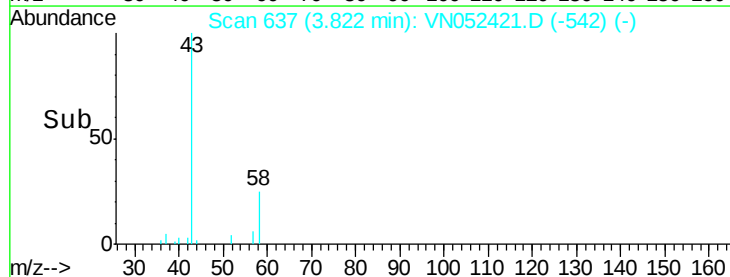
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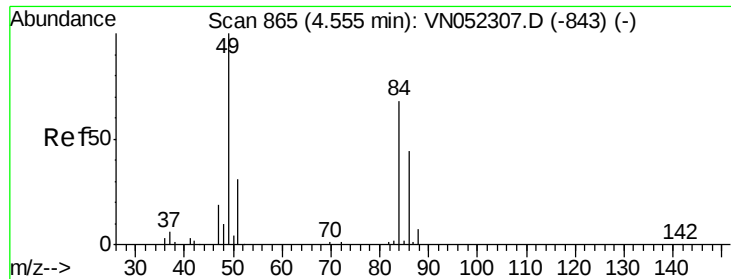
1000

0

3.75 3.80 3.85 3.90

Time-->





#20

Methylene Chloride

Concen: 11353.47 ug/l m

RT: 4.51 min Scan# 852

Delta R.T. -0.04 min

Lab File: VN052421.D

Acq: 20 Nov 2018 21:18

Instrument :

MSVOA_N

ClientSampleId :

SSSI-1114-S-TCLP-3

Tgt Ion: 84 Resp: 42559473

Ion Ratio Lower Upper

84 100

49 100.0 118.2 177.2#

51 66.6 36.1 54.1#

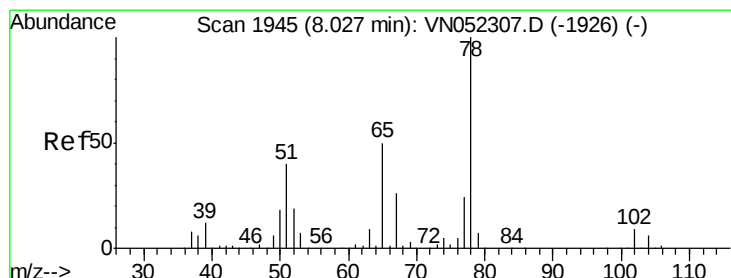
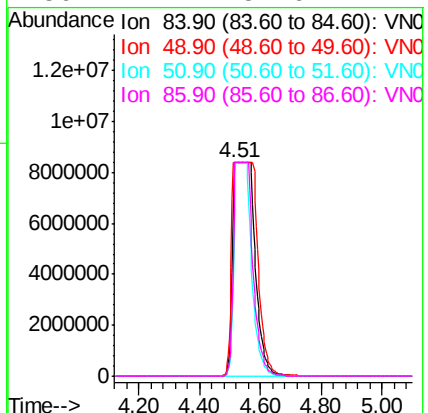
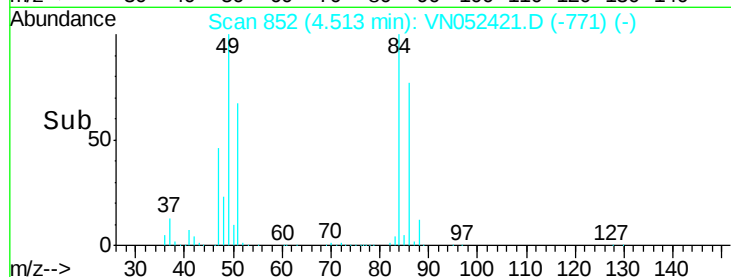
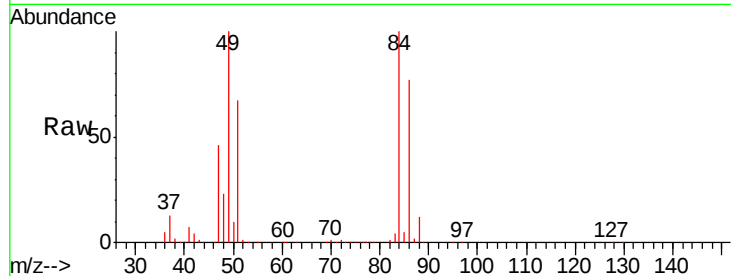
86 77.2 51.6 77.4

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#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052421.D

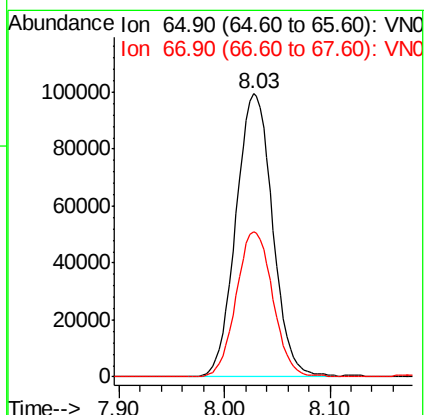
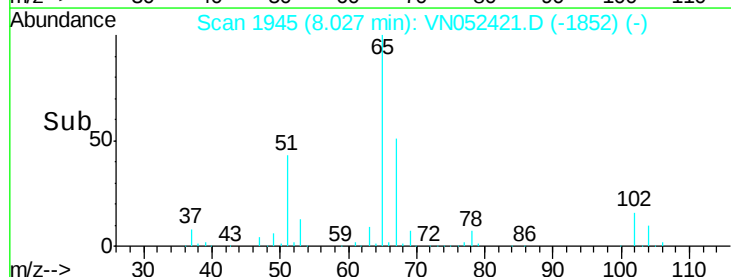
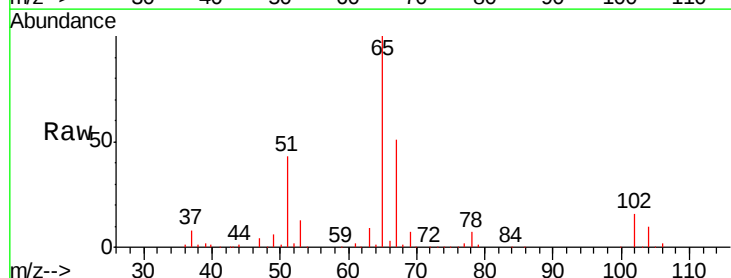
Acq: 20 Nov 2018 21:18

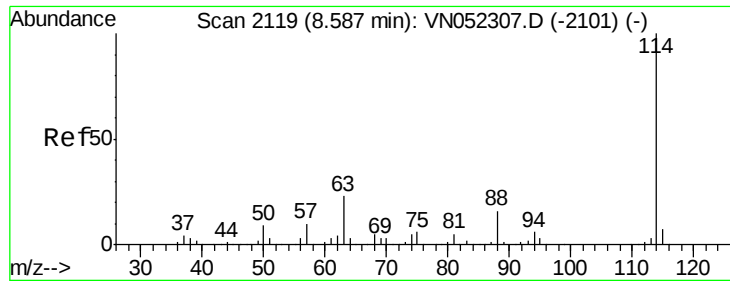
Tgt Ion: 65 Resp: 240373

Ion Ratio Lower Upper

65 100

67 51.2 0.0 105.2





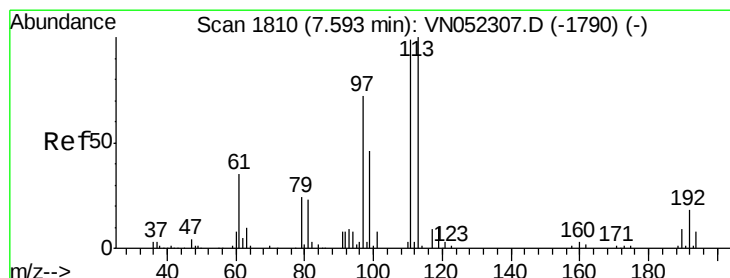
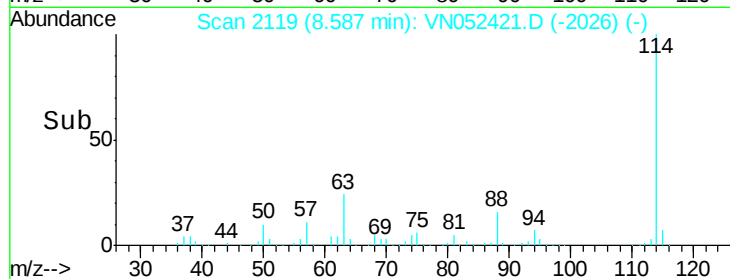
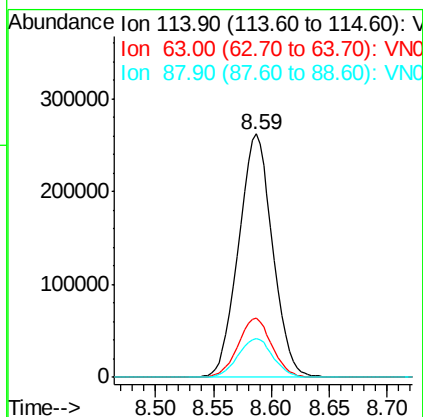
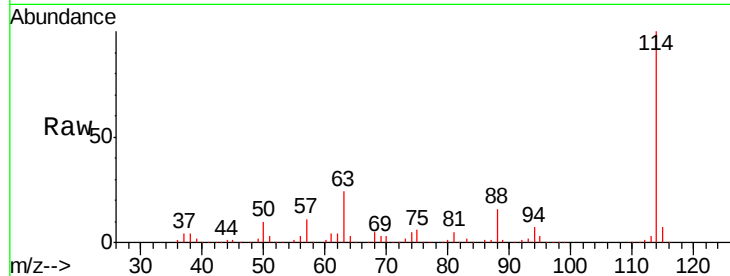
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052421.D
Acq: 20 Nov 2018 21:18

Instrument :
MSVOA_N
ClientSampleId :
SSSI-1114-S-TCLP-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	24.2	0.0	45.4
88	15.9	0.0	31.2

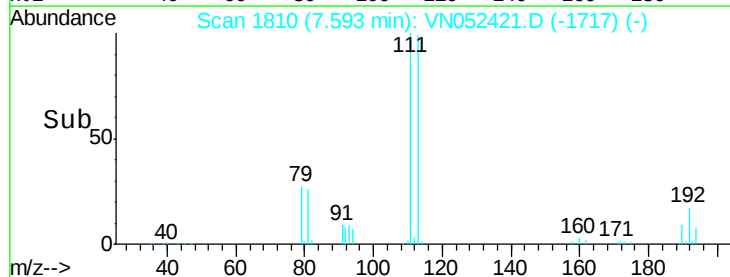
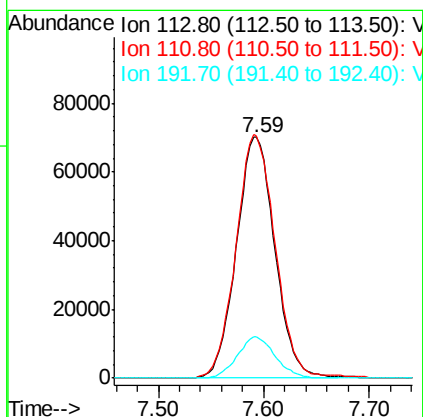
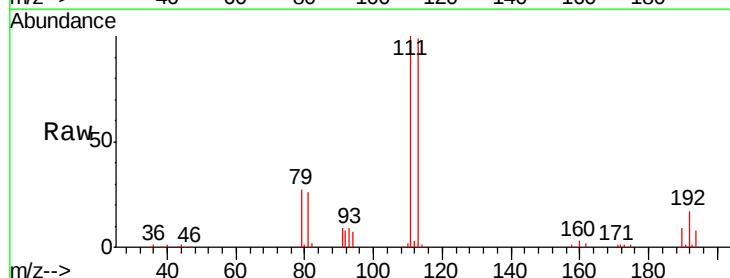
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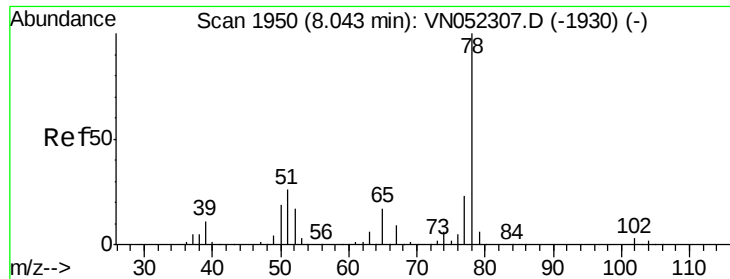
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#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052421.D
Acq: 20 Nov 2018 21:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	103.2	81.0	121.6
192	16.9	13.8	20.6





#40

Benzene

Concen: 1.81 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052421.D

Acq: 20 Nov 2018 21:18

Instrument :

MSVOA_N

ClientSampleId :

SSSI-1114-S-TCLP-3

Tgt Ion: 78 Resp: 27638

Ion Ratio Lower Upper

78 100

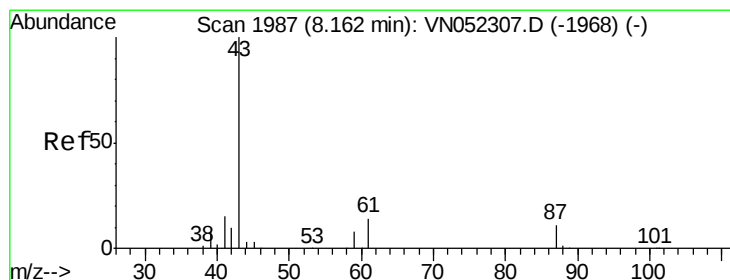
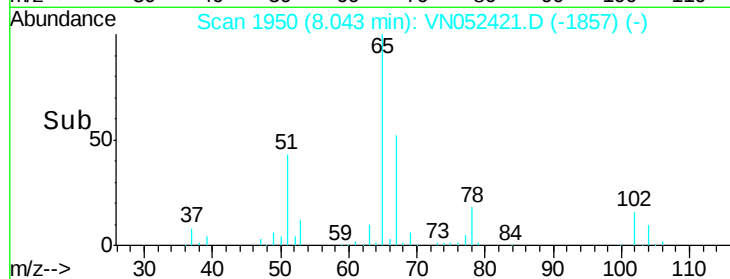
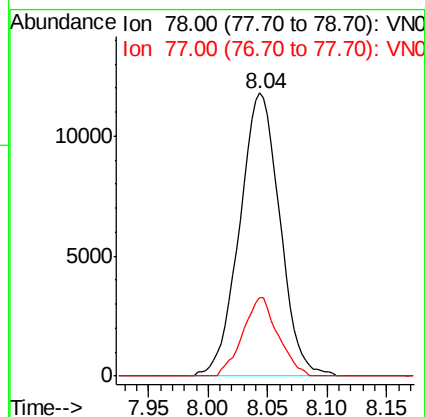
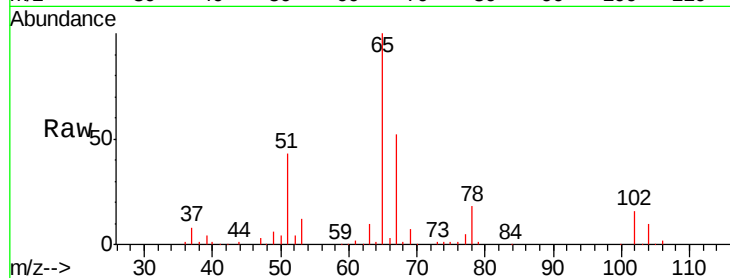
77 27.8 18.7 28.1

Manual Integrations

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#43

Isopropyl Acetate

Concen: 2.14 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052421.D

Acq: 20 Nov 2018 21:18

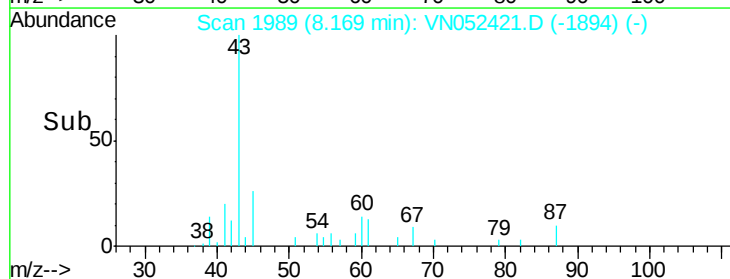
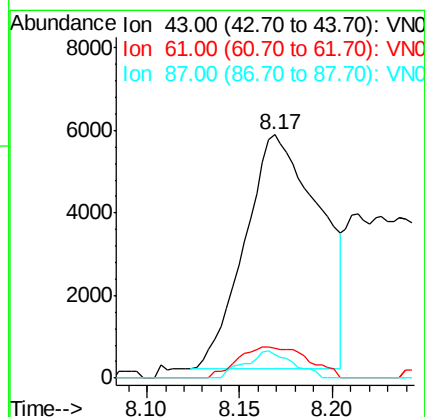
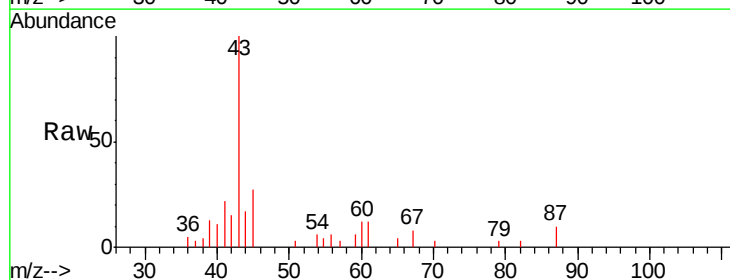
Tgt Ion: 43 Resp: 16020

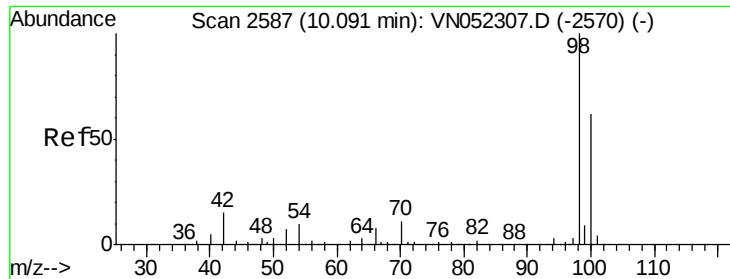
Ion Ratio Lower Upper

43 100

61 12.4 12.0 18.0

87 7.3 8.3 12.5#





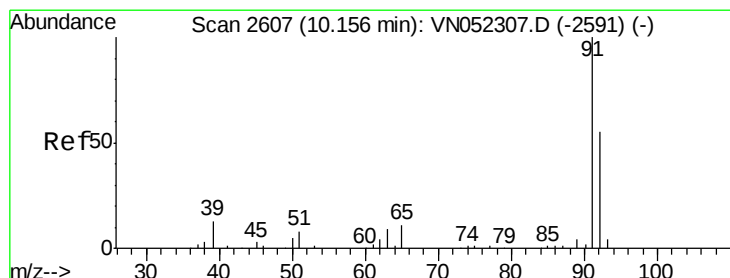
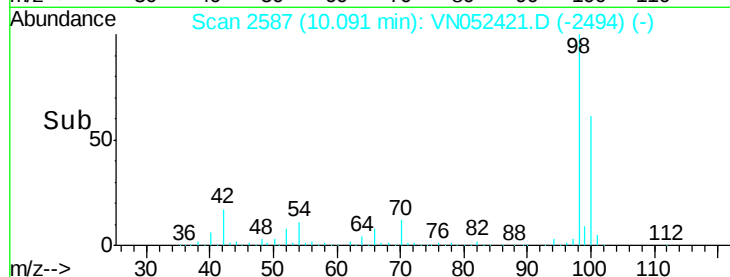
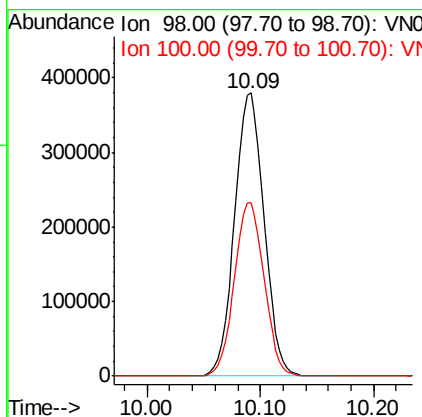
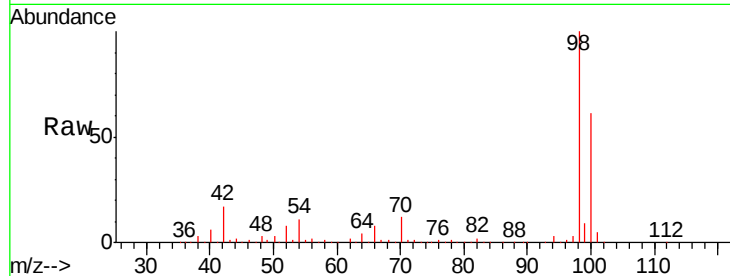
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052421.D
Acq: 20 Nov 2018 21:18

Instrument :
MSVOA_N
ClientSampleId :
SSSI-1114-S-TCLP-3

Tgt Ion: 98 Resp: 690160
Ion Ratio Lower Upper
98 100
100 61.8 49.5 74.3

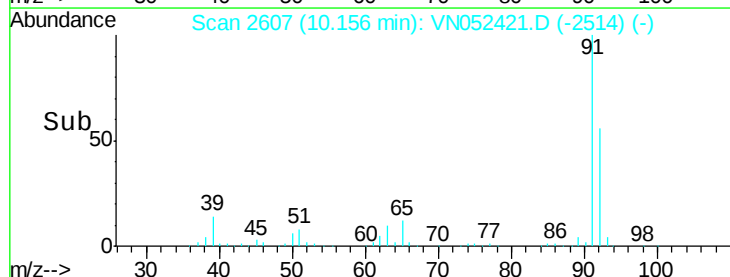
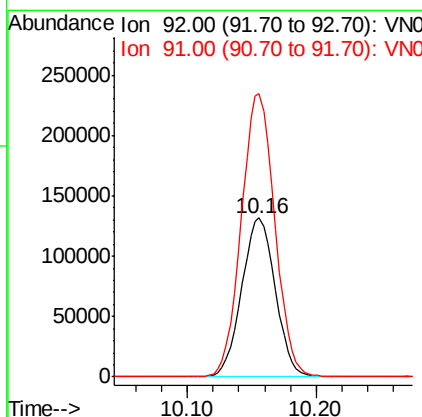
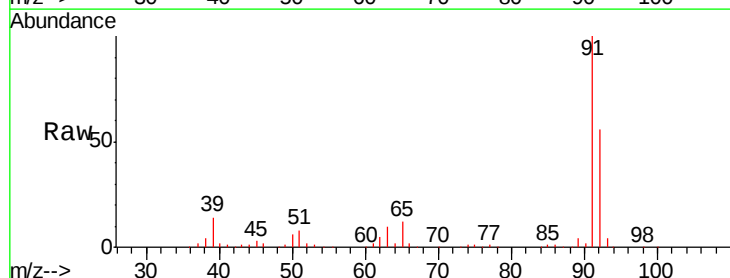
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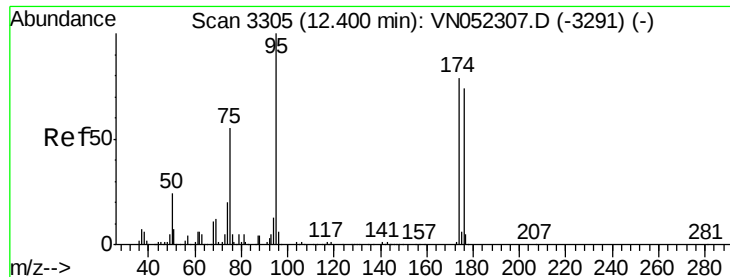
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#52
Toluene
Concen: 26.14 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052421.D
Acq: 20 Nov 2018 21:18

Tgt Ion: 92 Resp: 239021
Ion Ratio Lower Upper
92 100
91 177.8 143.6 215.4





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052421.D

Acq: 20 Nov 2018 21:18

Instrument :

MSVOA_N

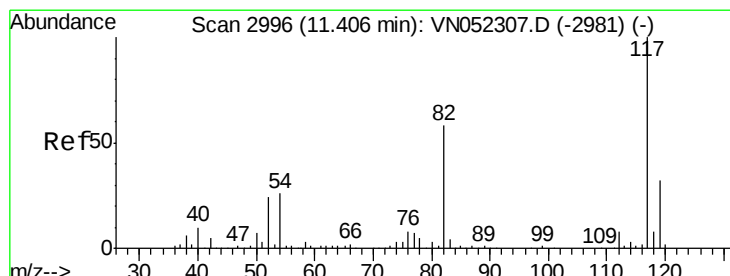
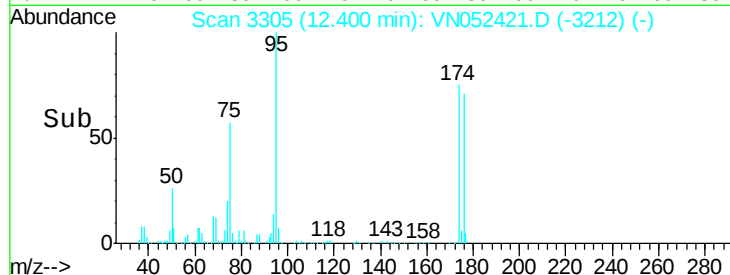
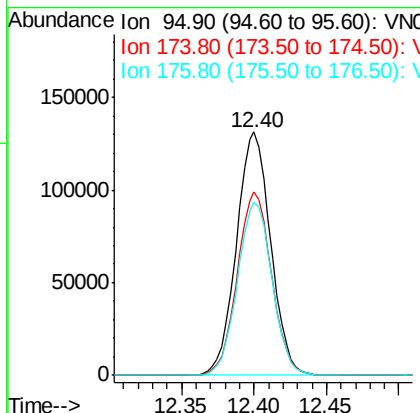
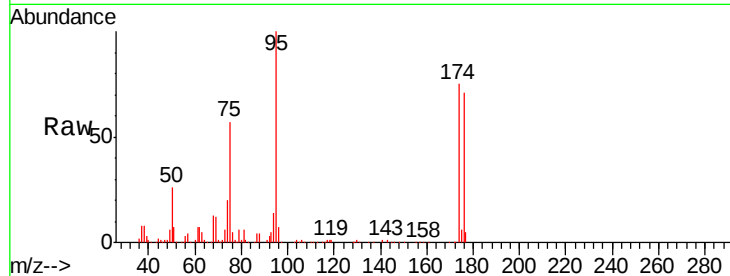
ClientSampleId :

SSSI-1114-S-TCLP-3

Tgt Ion:	95	Resp:	214805
Ion Ratio	Lower	Upper	
95	100		
174	75.7	0.0	156.0
176	72.0	0.0	148.4

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

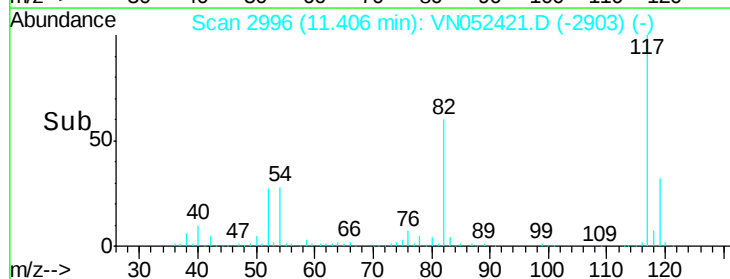
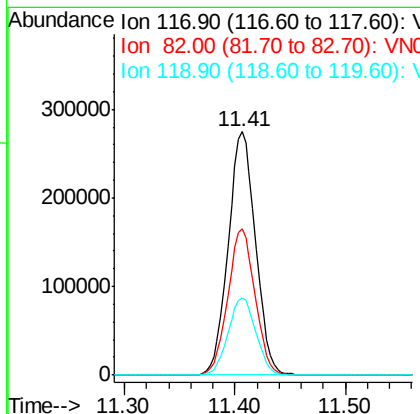
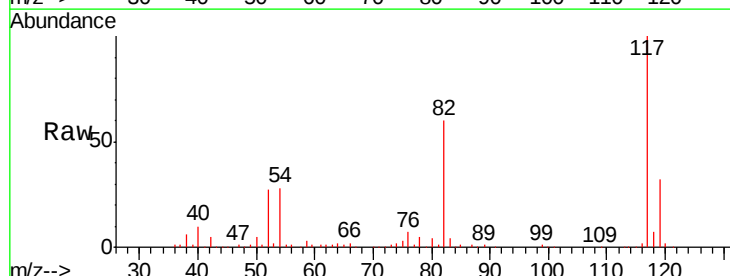
RT: 11.41 min Scan# 2996

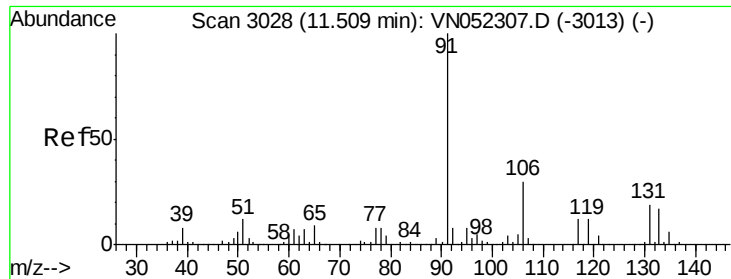
Delta R.T. 0.00 min

Lab File: VN052421.D

Acq: 20 Nov 2018 21:18

Tgt Ion:	117	Resp:	471931
Ion Ratio	Lower	Upper	
117	100		
82	59.9	46.5	69.7
119	31.9	25.7	38.5





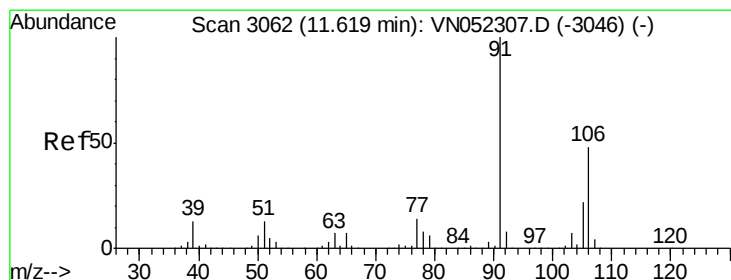
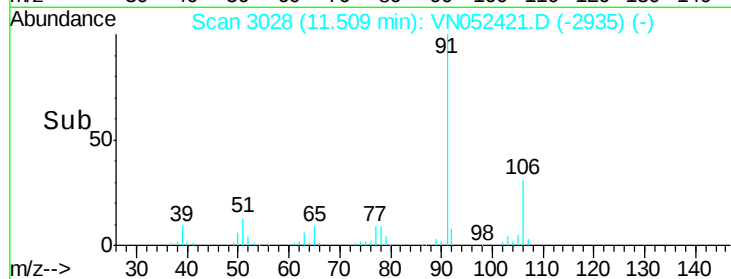
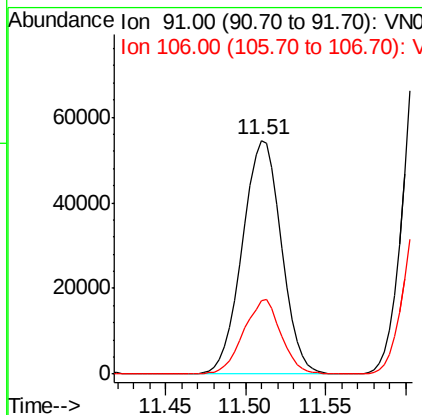
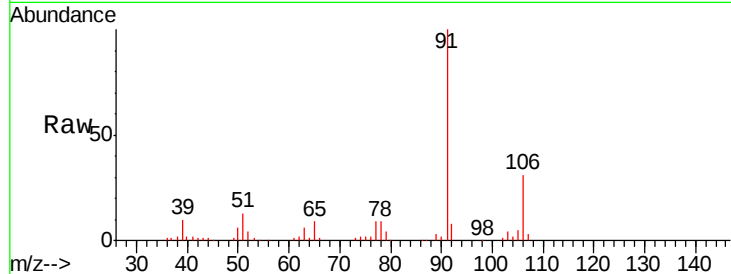
#67
Ethyl Benzene
Concen: 5.27 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052421.D
Acq: 20 Nov 2018 21:18

Instrument :
MSVOA_N
ClientSampleId :
SSSI-1114-S-TCLP-3

Tgt Ion: 91 Resp: 91166
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.2

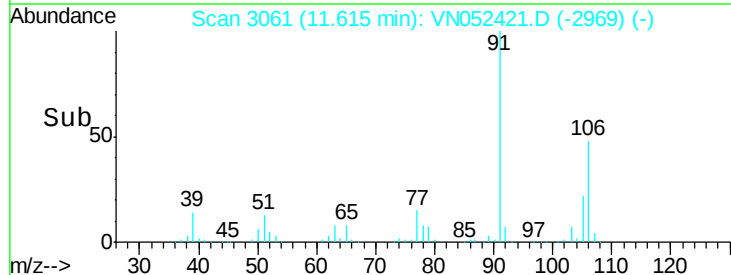
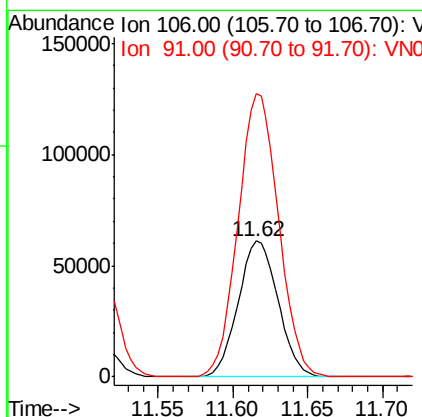
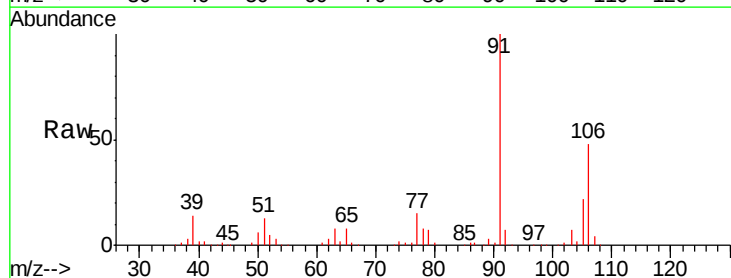
Manual Integrations
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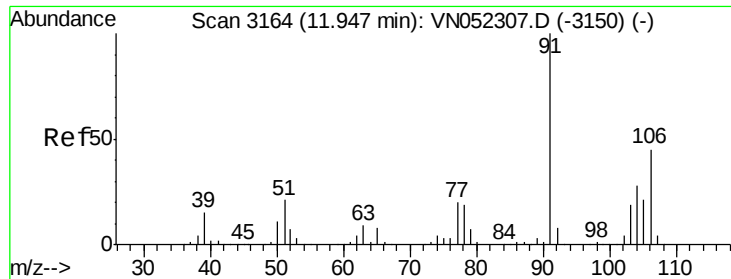
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#68
m/p-Xylenes
Concen: 17.96 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN052421.D
Acq: 20 Nov 2018 21:18

Tgt Ion: 106 Resp: 113621
Ion Ratio Lower Upper
106 100
91 211.3 165.5 248.3





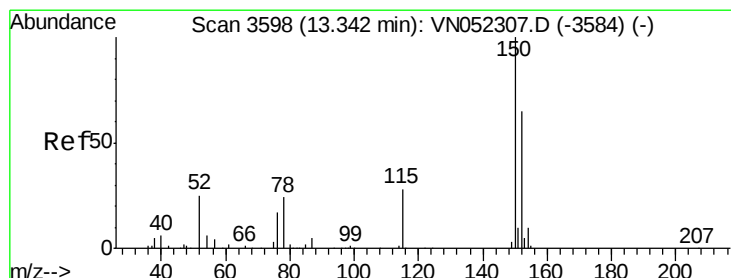
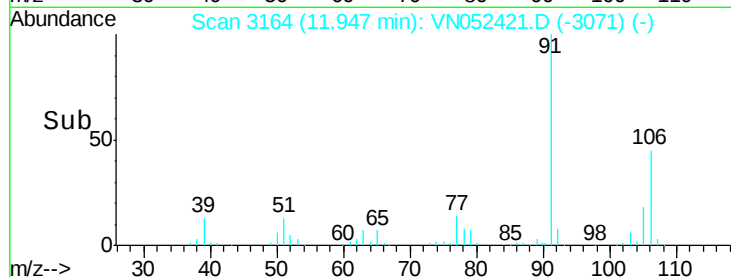
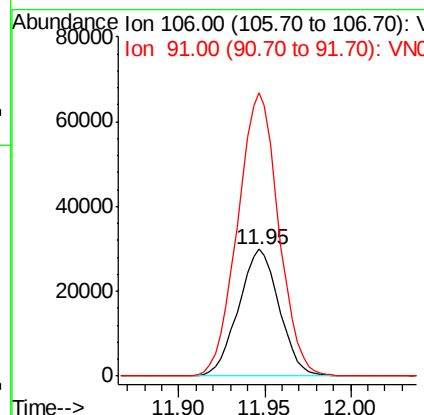
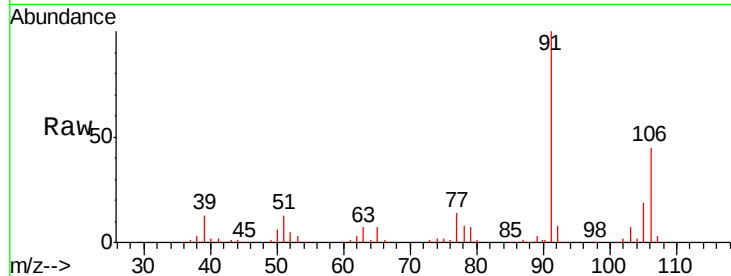
#69
o-Xylene
Concen: 8.11 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052421.D
Acq: 20 Nov 2018 21:18

Instrument :
MSVOA_N
ClientSampleId :
SSSI-1114-S-TCLP-3

Tgt Ion:106 Resp: 49163
Ion Ratio Lower Upper
106 100
91 224.1 110.0 330.0

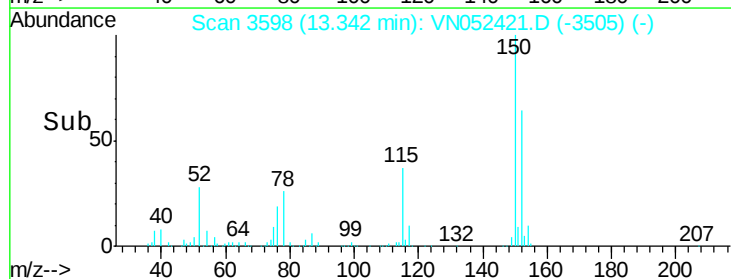
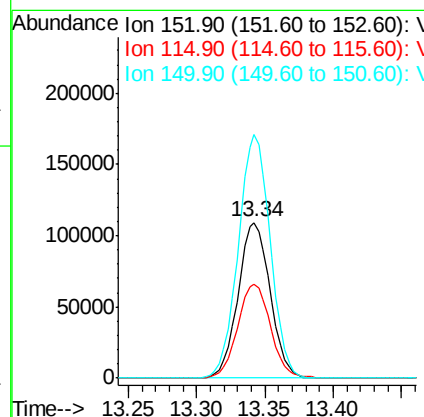
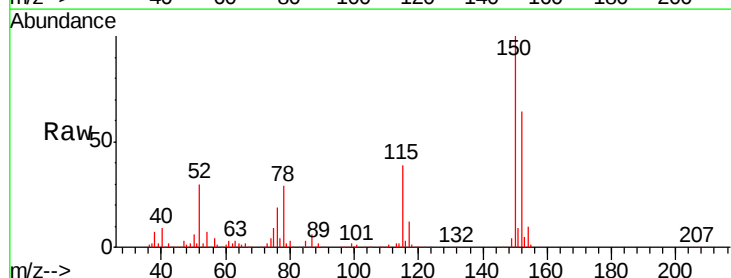
Manual Integrations
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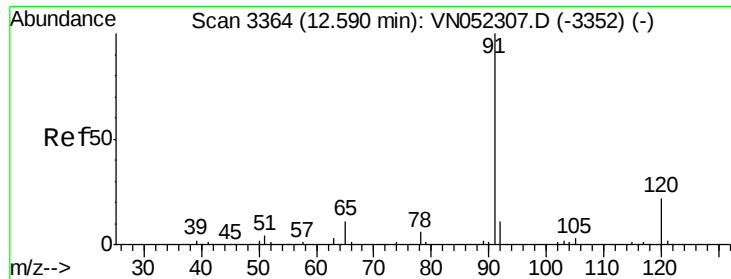
MMDadoda
11/21/2018 5:12:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052421.D
Acq: 20 Nov 2018 21:18

Tgt Ion:152 Resp: 177809
Ion Ratio Lower Upper
152 100
115 62.3 30.3 91.0
150 156.1 0.0 348.2





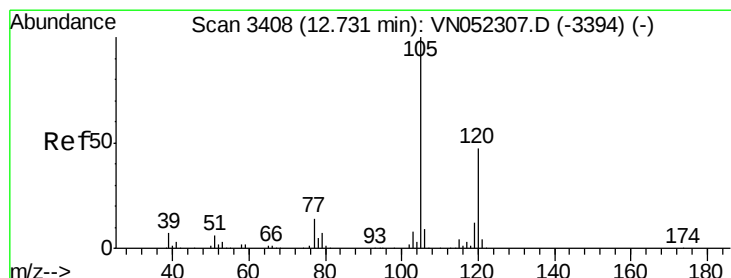
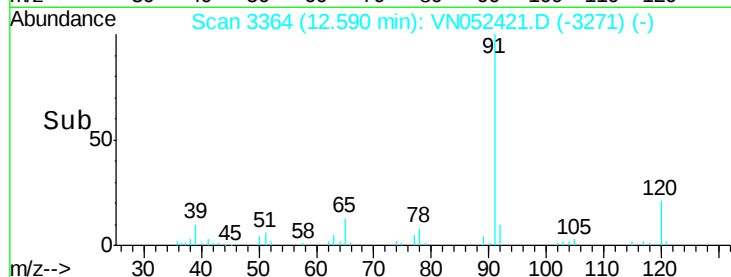
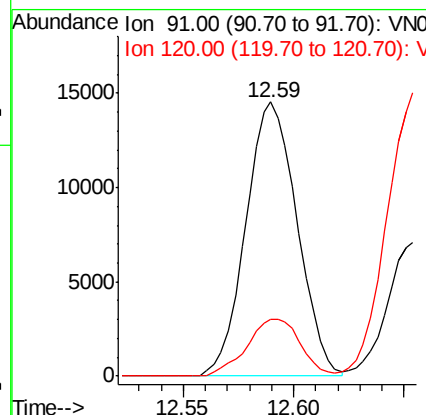
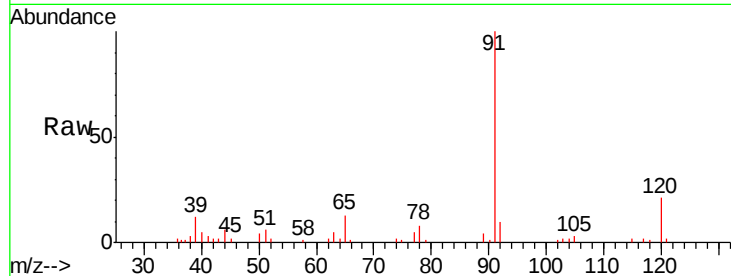
#78
n-propylbenzene
Concen: 1.40 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN052421.D
Acq: 20 Nov 2018 21:18

Instrument :
MSVOA_N
ClientSampleId :
SSSI-1114-S-TCLP-3

Tgt Ion: 91 Resp: 23452
Ion Ratio Lower Upper
91 100
120 21.7 11.1 33.1

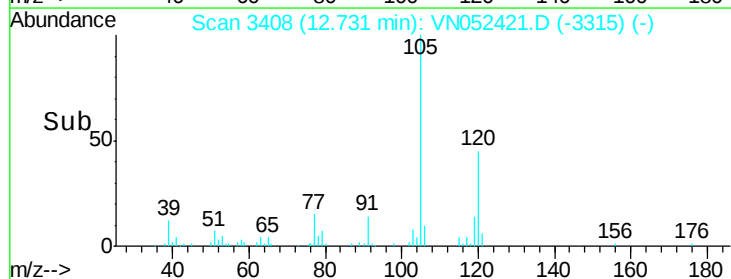
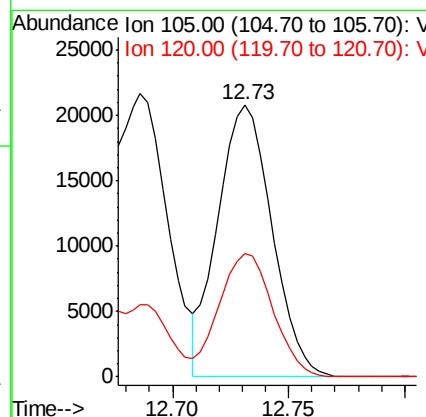
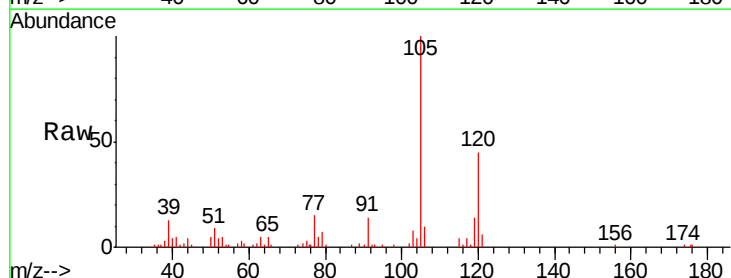
Manual Integrations
APPROVED

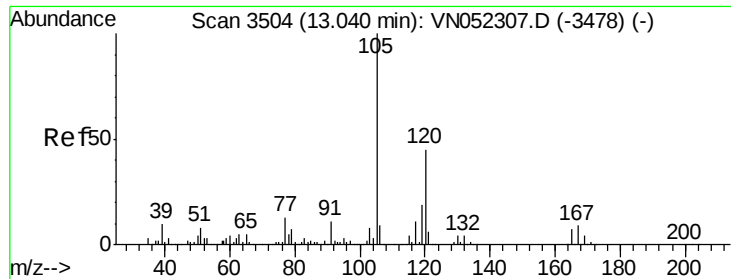
MMDadoda
11/21/2018 5:12:50 PM



#80
1,3,5-Trimethylbenzene
Concen: 2.97 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN052421.D
Acq: 20 Nov 2018 21:18

Tgt Ion: 105 Resp: 33773
Ion Ratio Lower Upper
105 100
120 45.0 23.7 71.1





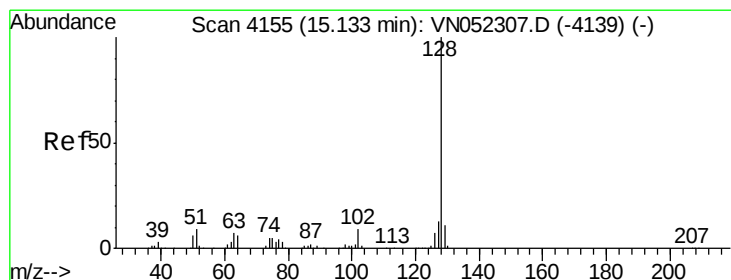
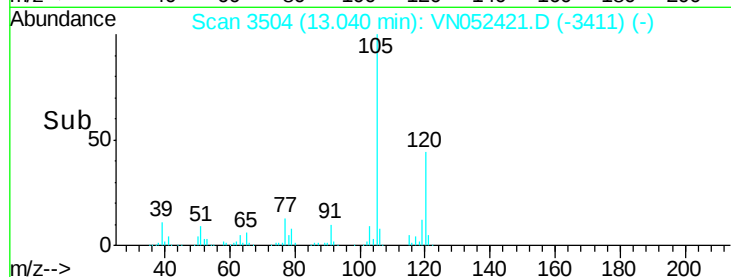
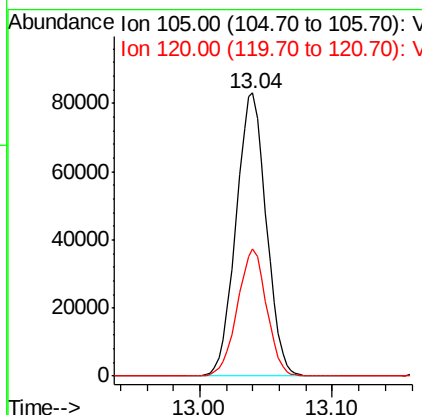
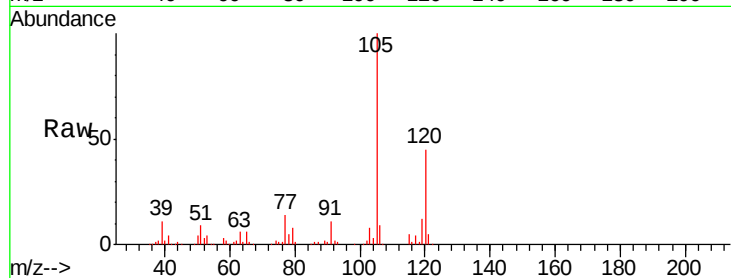
#84
 1,2,4-Trimethylbenzene
 Concen: 11.54 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052421.D
 Acq: 20 Nov 2018 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 SSSI-1114-S-TCLP-3

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.5	67.5

Manual Integrations
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 11/21/2018 5:12:50 PM



#95
 Naphthalene
 Concen: 6.42 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN052421.D
 Acq: 20 Nov 2018 21:18

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.3	8.6	13.0

