

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049336.D
 Acq On : 18 Jun 2018 12:12
 Operator : MD\SY
 Sample : VN0618MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBS01

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:41 PM

Quant Time: Jun 19 01:46:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1319607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1949287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1724384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	766842	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	742755	42.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.88%	
35) Dibromofluoromethane	7.59	113	667798	42.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.68%	
50) Toluene-d8	10.09	98	2488015	41.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.86%	
62) 4-Bromofluorobenzene	12.40	95	781135	39.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	217285	14.306	ug/l	100
3) Chloromethane	2.06	50	266735	13.600	ug/l	97
4) Vinyl Chloride	2.18	62	296503	14.225	ug/l	99
5) Bromomethane	2.57	94	121136	11.055	ug/l	97
6) Chloroethane	2.70	64	192094	15.456	ug/l	98
7) Trichlorofluoromethane	3.01	101	398342	15.319	ug/l	98
8) Diethyl Ether	3.41	74	145230	15.997	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	256365	15.544	ug/l	93
10) Methyl Iodide	3.95	142	148431	8.645	ug/l	92
11) Tert butyl alcohol	4.80	59	79604	77.491	ug/l	100
12) 1,1-Dichloroethene	3.73	96	231845	15.323	ug/l	90
13) Acrolein	3.61	56	58796	54.579	ug/l	99
14) Allyl chloride	4.32	41	367103	15.366	ug/l	89
15) Acrylonitrile	5.00	53	410452	79.906	ug/l	98
16) Acetone	3.82	43	360456	84.820	ug/l	90
17) Carbon Disulfide	4.05	76	660044	13.918	ug/l	100
18) Methyl Acetate	4.33	43	217123	16.756	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	640148	16.594	ug/l	98
20) Methylene Chloride	4.55	84	276439	15.575	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	246774	15.405	ug/l	92
22) Diisopropyl ether	5.96	45	779483	16.338	ug/l	99
23) Vinyl Acetate	5.90	43	2445537	78.631	ug/l	95
24) 1,1-Dichloroethane	5.85	63	483354	15.829	ug/l	98
25) 2-Butanone	6.84	43	464386	81.382	ug/l	94
26) 2,2-Dichloropropane	6.82	77	404596	16.407	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	280813	15.768	ug/l	92
28) Bromochloromethane	7.19	49	192516	14.221	ug/l	84
29) Tetrahydrofuran	7.21	42	290231	79.014	ug/l	92
30) Chloroform	7.37	83	480632	15.816	ug/l	99
31) Cyclohexane	7.65	56	399484	15.310	ug/l #	89
32) 1,1,1-Trichloroethane	7.57	97	409523	15.794	ug/l	97
36) 1,1-Dichloropropene	7.79	75	345300	15.456	ug/l	97
37) Ethyl Acetate	6.93	43	198536	16.347	ug/l	98
38) Carbon Tetrachloride	7.77	117	360678	15.594	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	365426	15.238	ug/l	96
40) Benzene	8.04	78	1084623	15.836	ug/l	99
41) Methacrylonitrile	7.18	41	89731	13.666	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	334196	15.793	ug/l	95
43) Isopropyl Acetate	8.17	43	380515	16.398	ug/l	96
44) Trichloroethene	8.84	130	281698	15.575	ug/l	95
45) 1,2-Dichloropropane	9.12	63	287982	16.058	ug/l	99
46) Dibromomethane	9.21	93	164208	15.791	ug/l	91
47) Bromodichloromethane	9.40	83	366143	16.023	ug/l	99
48) Methyl methacrylate	9.20	41	173247	15.854	ug/l	88
49) 1,4-Dioxane	9.20	88	48160	319.317	ug/l #	90
51) 4-Methyl-2-Pentanone	9.99	43	987662	81.208	ug/l	94
52) Toluene	10.16	92	642107	15.973	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	336373	15.387	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	398866	15.453	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	235404	15.708	ug/l	99
56) Ethyl methacrylate	10.43	69	267956	15.499	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	396432	15.968	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	293627	59.110	ug/l	96
59) 2-Hexanone	10.75	43	626219	79.865	ug/l	93
60) Dibromochloromethane	10.90	129	263309	15.742	ug/l	99
61) 1,2-Dibromoethane	11.01	107	225284	16.173	ug/l	97
64) Tetrachloroethene	10.63	164	293826	16.629	ug/l	98
65) Chlorobenzene	11.44	112	699223	15.741	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	270128	16.159	ug/l	98
67) Ethyl Benzene	11.51	91	1152982	15.648	ug/l	99
68) m/p-Xylenes	11.62	106	886941	32.075	ug/l	96
69) o-Xylene	11.95	106	433675	16.283	ug/l	94
70) Styrene	11.97	104	663755	15.797	ug/l	98
71) Bromoform	12.13	173	174019	16.082	ug/l #	99
73) Isopropylbenzene	12.25	105	1126732	16.734	ug/l	97
74) N-amyl acetate	12.07	43	255181	15.473	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	270344	18.088	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	241952m	18.492	ug/l	
77) Bromobenzene	12.53	156	286136	16.089	ug/l	90
78) n-propylbenzene	12.59	91	1228241	16.614	ug/l	99
79) 2-Chlorotoluene	12.68	91	770838	16.456	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	897154	16.952	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	67751	16.365	ug/l	90
82) 4-Chlorotoluene	12.78	91	742961	16.440	ug/l	97
83) tert-Butylbenzene	12.99	119	780410	16.645	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	889572	16.921	ug/l	98
85) sec-Butylbenzene	13.17	105	1028034	16.474	ug/l	98
86) p-Isopropyltoluene	13.29	119	850387	16.311	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	457470	15.636	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	437922	15.102	ug/l	99
89) n-Butylbenzene	13.62	91	589831	14.484	ug/l	98
90) Hexachloroethane	13.88	117	177144	16.827	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	455015	15.857	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35791	15.269	ug/l	89

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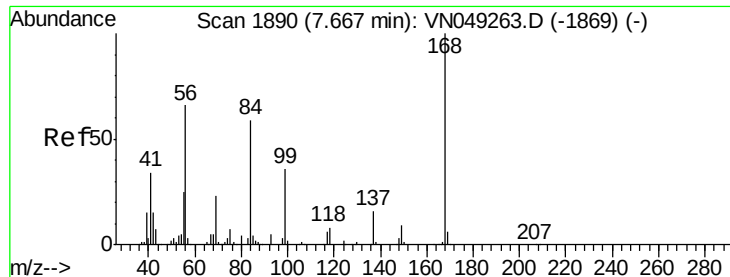
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	127714	13.533	ug/l	98
94) Hexachlorobutadiene	15.01	225	152238	16.306	ug/l	99
95) Naphthalene	15.14	128	260402	13.920	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	150732	14.371	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBS01

Tot Ion:168 Resp: 1319607

Ion Ratio Lower Upper

168 100

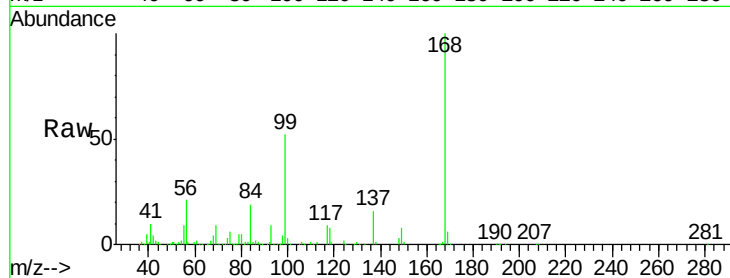
99 51.2 45.8 68.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

300000

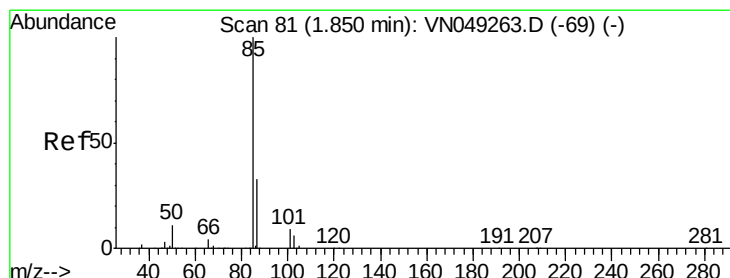
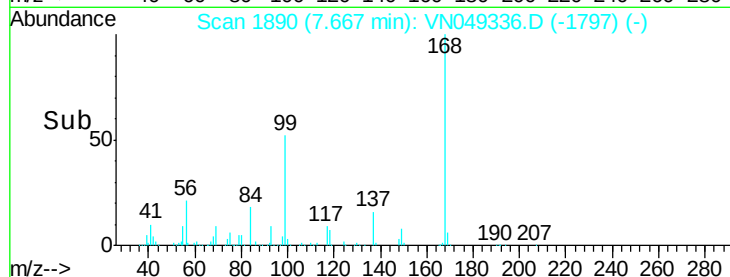
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 14.306 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049336.D

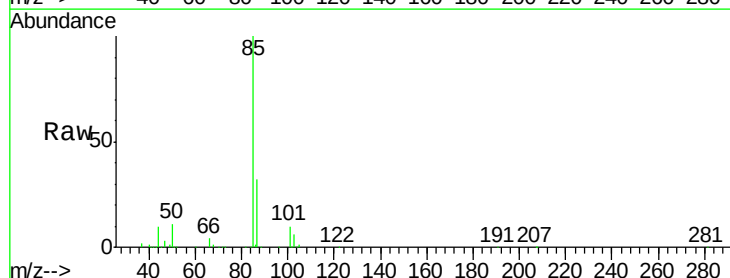
Acq: 18 Jun 2018 12:12

Tgt Ion: 85 Resp: 217285

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

150000

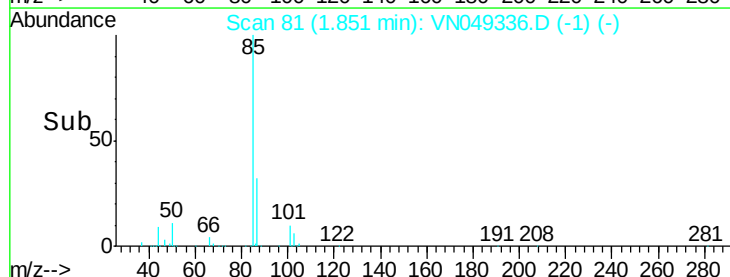
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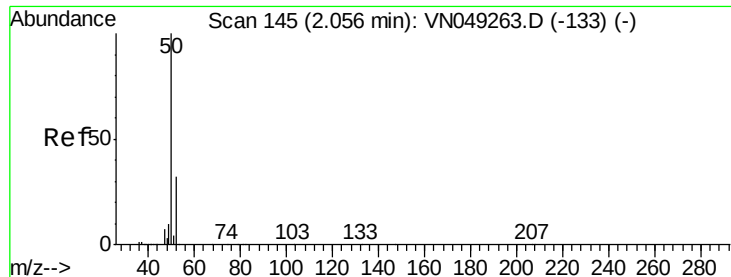
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 13.600 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBS01

Tot Ion: 50 Resp: 266735

Ion Ratio Lower Upper

50 100

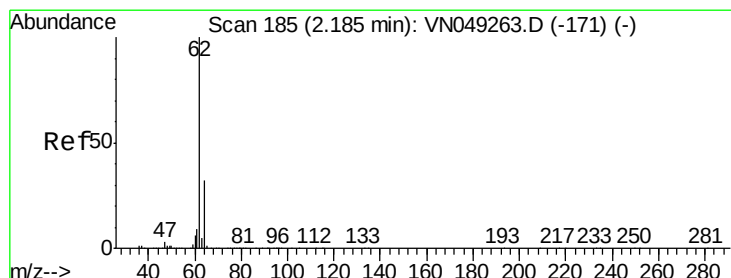
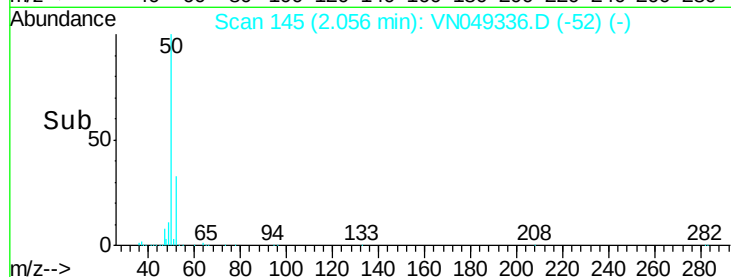
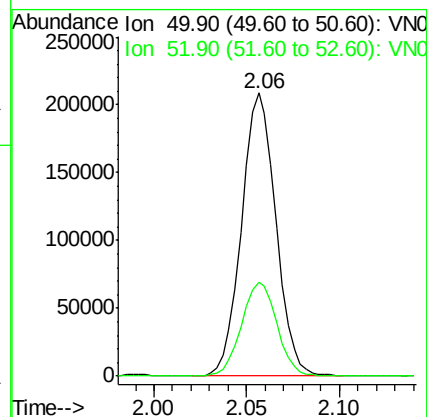
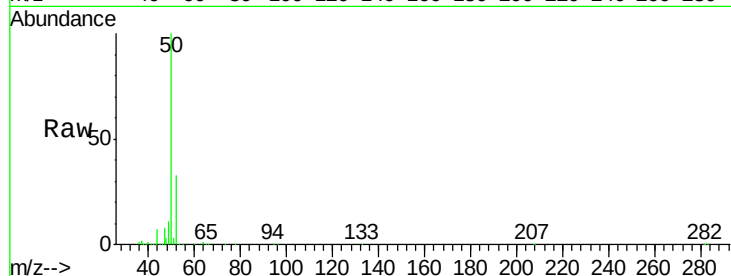
52 33.4 25.2 37.8

Manual Integrations

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6/19/2018 1:55:41 PM



#4

Vinyl Chloride

Concen: 14.225 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049336.D

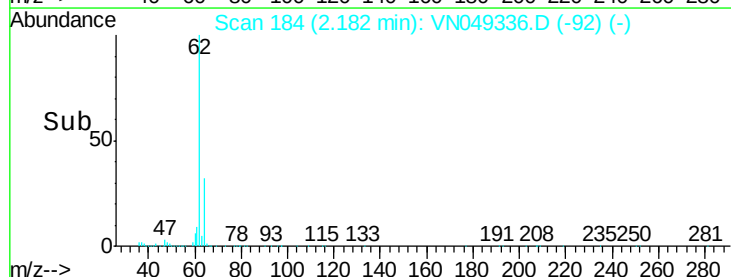
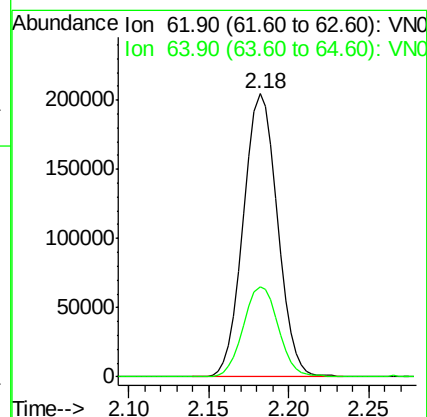
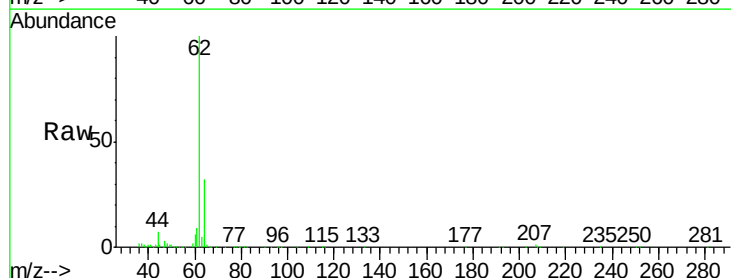
Acq: 18 Jun 2018 12:12

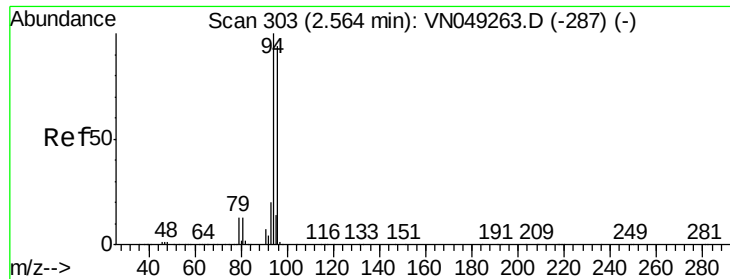
Tgt Ion: 62 Resp: 296503

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 11.055 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 121136

Ion Ratio Lower Upper

94 100

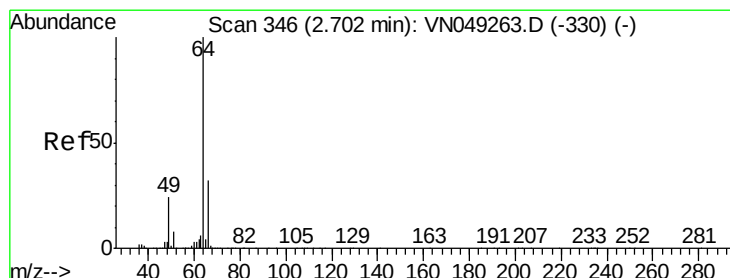
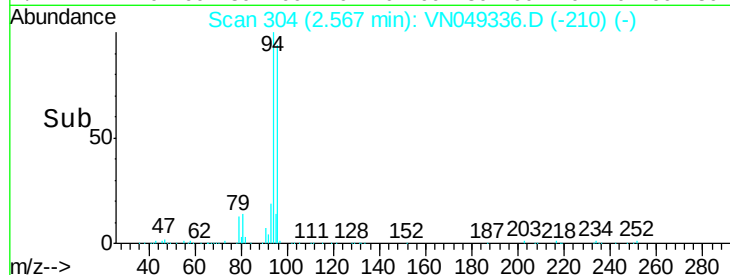
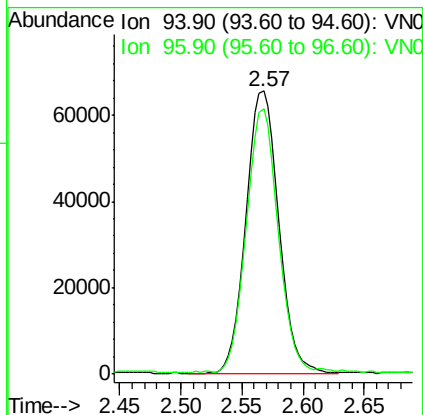
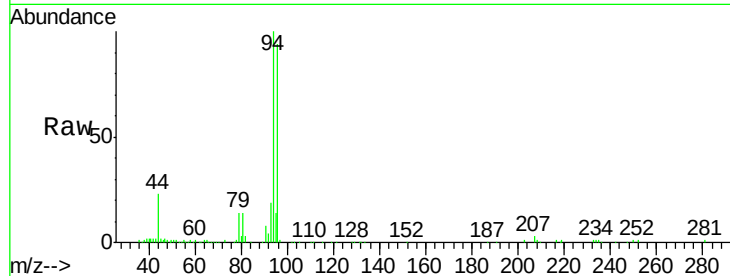
96 93.6 72.8 109.2

Manual Integrations

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6/19/2018 1:55:41 PM



#6

Chloroethane

Concen: 15.456 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049336.D

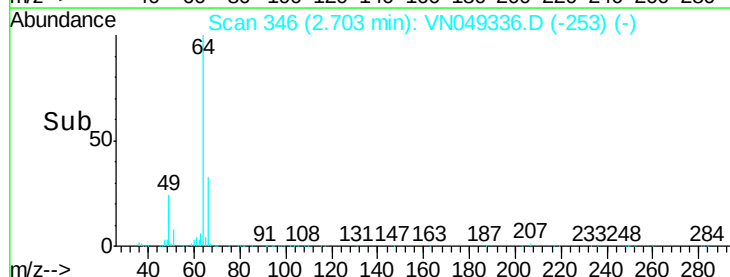
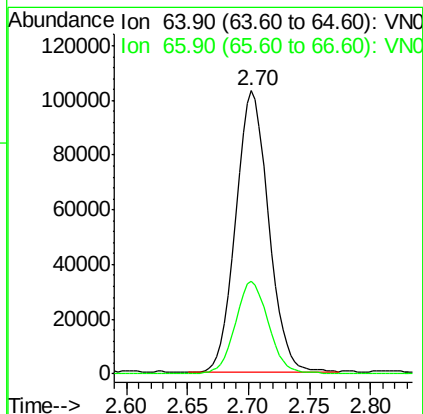
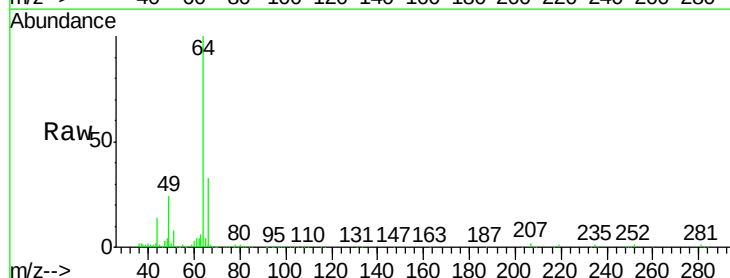
Acq: 18 Jun 2018 12:12

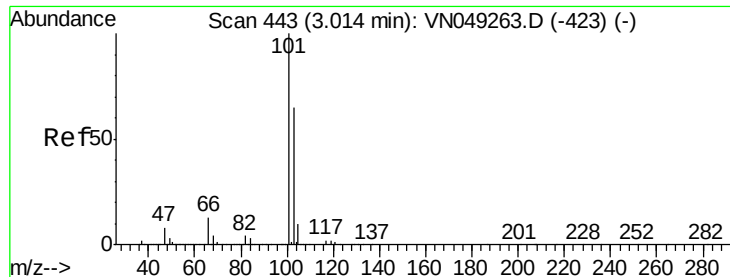
Tgt Ion: 64 Resp: 192094

Ion Ratio Lower Upper

64 100

66 32.9 25.6 38.4





#7

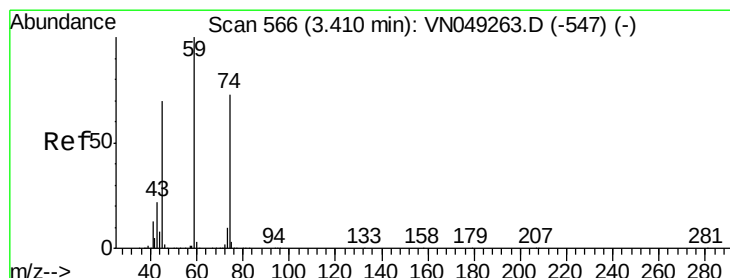
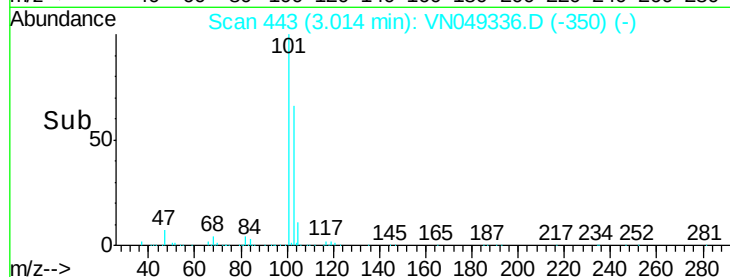
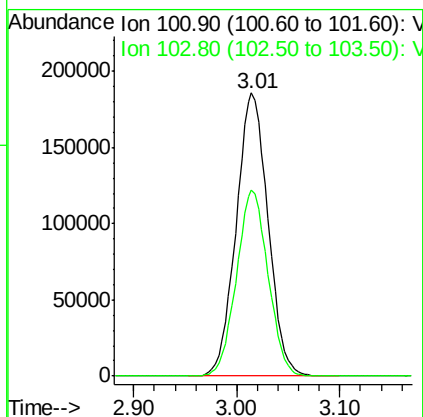
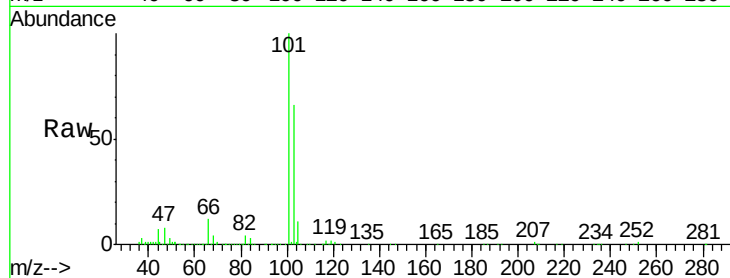
Trichlorofluoromethane
Concen: 15.319 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		398342		
103	65.8		51.7	77.5	

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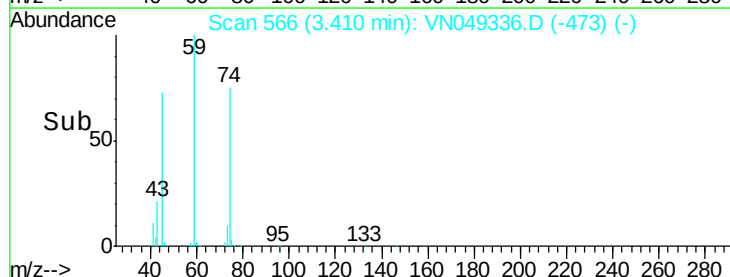
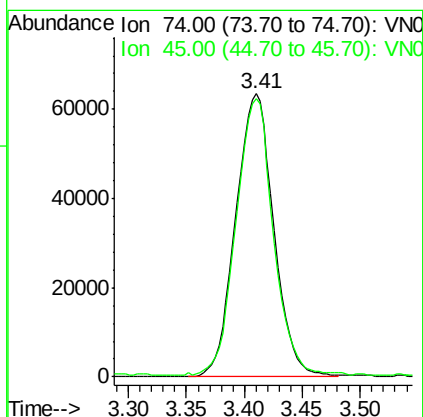
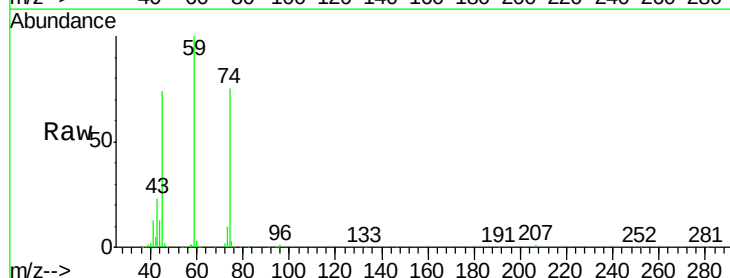
MMDadoda
6/19/2018 1:55:41 PM

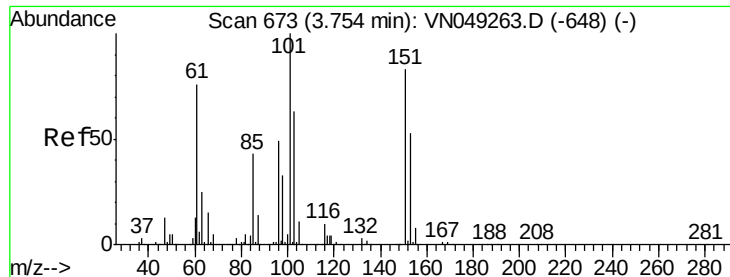


#8

Diethyl Ether
Concen: 15.997 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		145230		
45	94.7		51.9	155.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.544 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

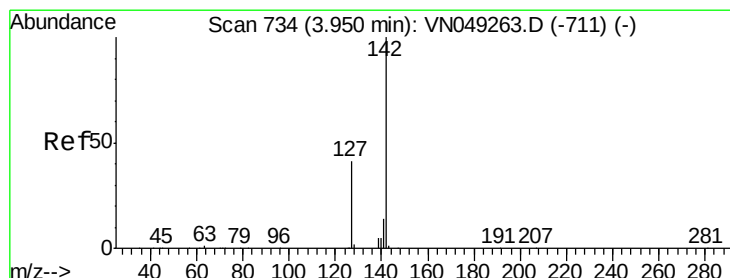
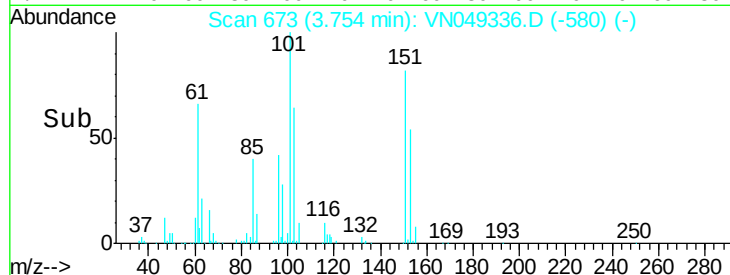
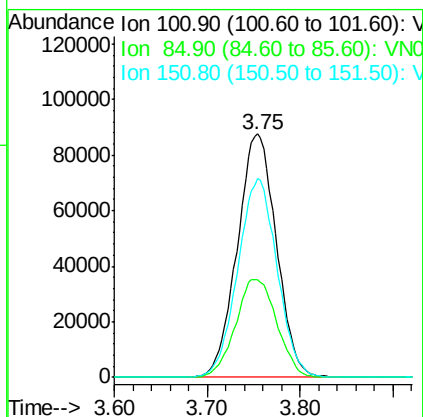
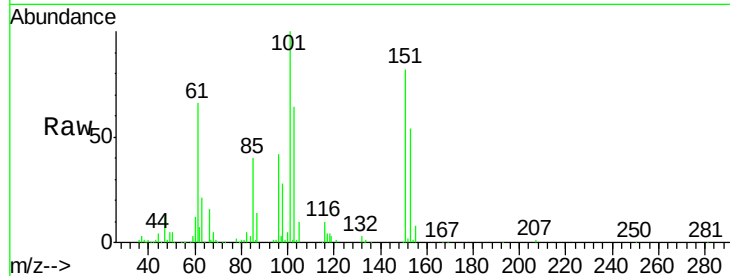
ClientSampleId :

VN0618MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		256365		
85	42.6	37.6	56.4		
151	82.2	61.1	91.7		

Manual Integrations
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#10

Methyl Iodide

Concen: 8.645 ug/l

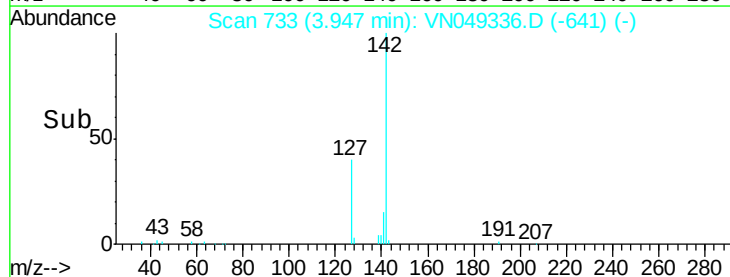
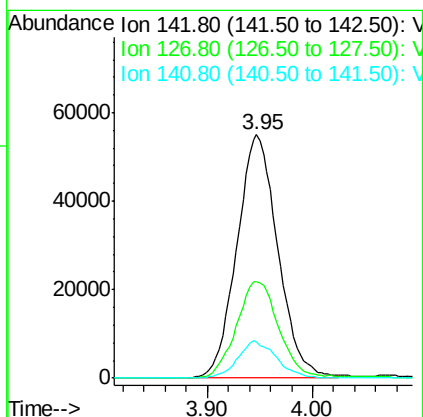
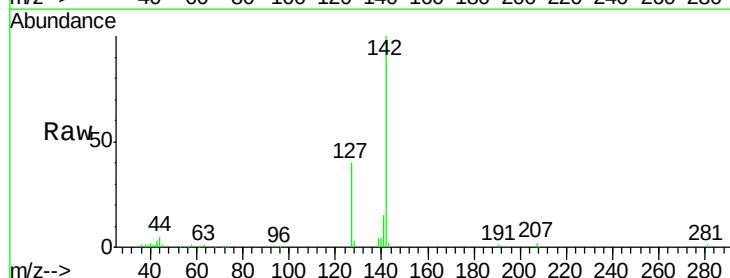
RT: 3.95 min Scan# 733

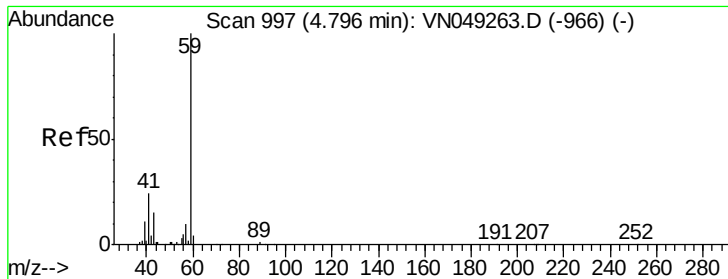
Delta R.T. -0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
142	100		148431		
127	40.9	38.2	57.4		
141	14.5	11.9	17.9		





#11

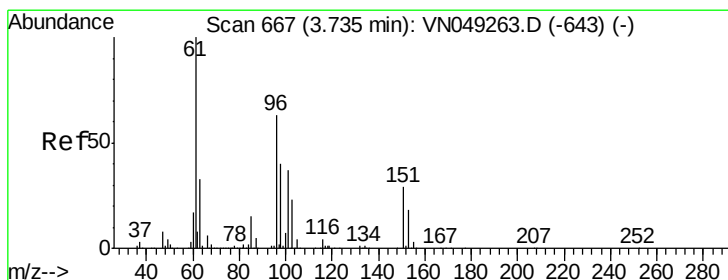
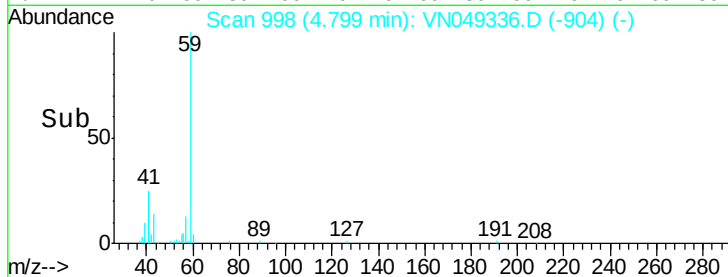
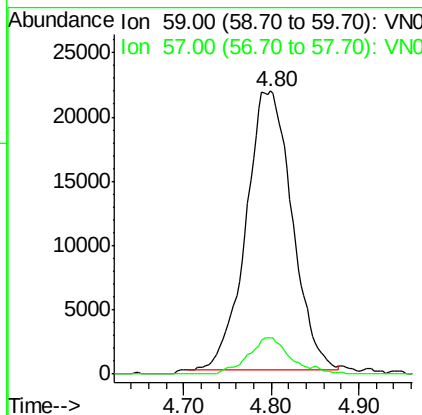
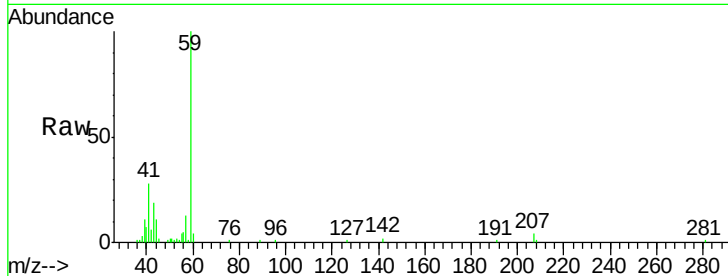
Tert butyl alcohol
Concen: 77.491 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0618MBS01

Tot Ion	59	Resp	79604
Ion Ratio	100	Lower	Upper
57	11.2	9.0	13.6

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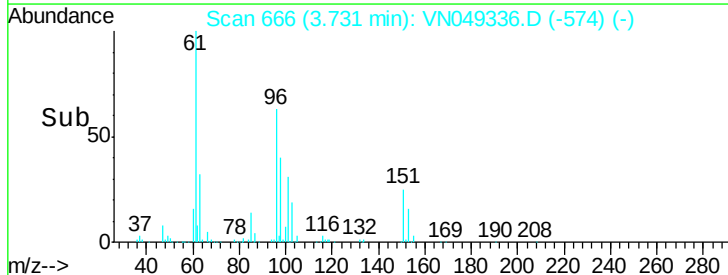
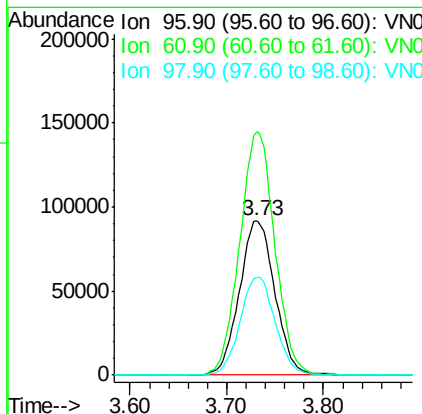
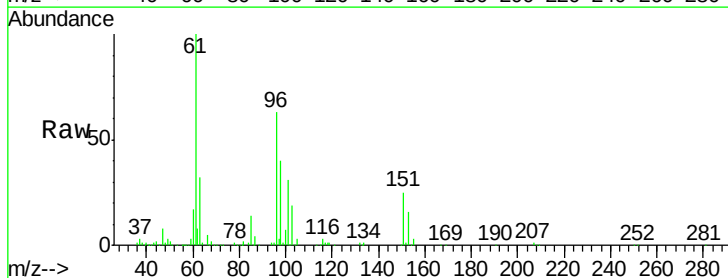
MMDadoda
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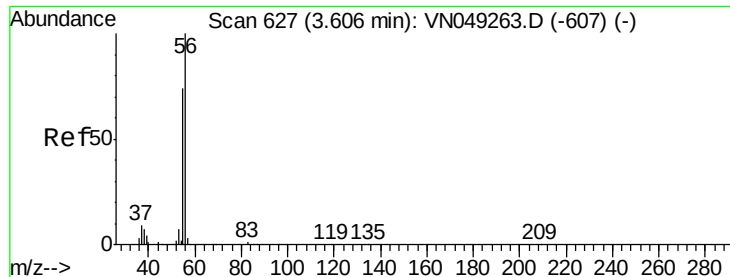


#12

1,1-Dichloroethene
Concen: 15.323 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	96	Resp	231845
Ion Ratio	100	Lower	Upper
61	158.3	141.0	211.4
98	63.9	50.4	75.6





#13

Acrolein

Concen: 54.579 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0618MBS01

Tot Ion: 56 Resp: 58796

Ion Ratio Lower Upper

56 100

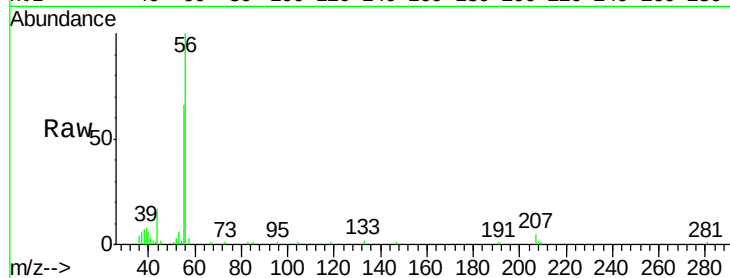
55 70.6 57.1 85.7

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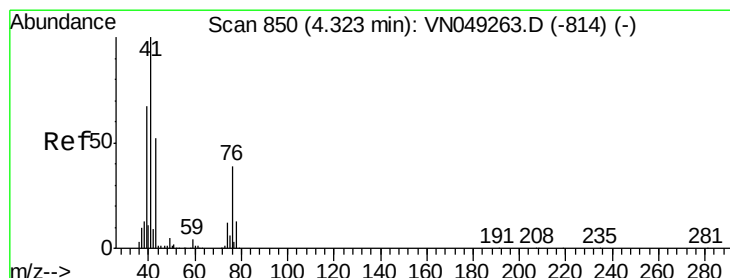
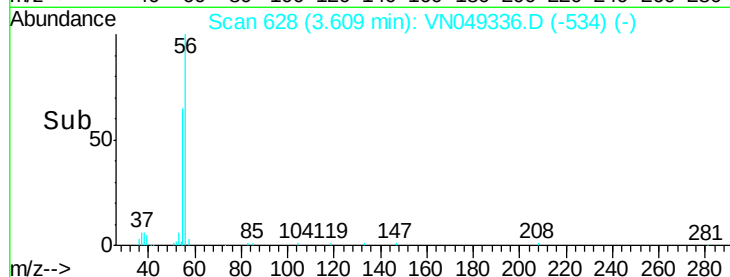
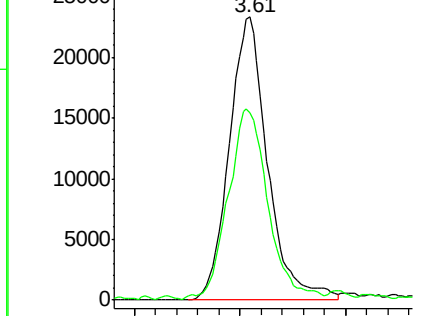
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 15.366 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

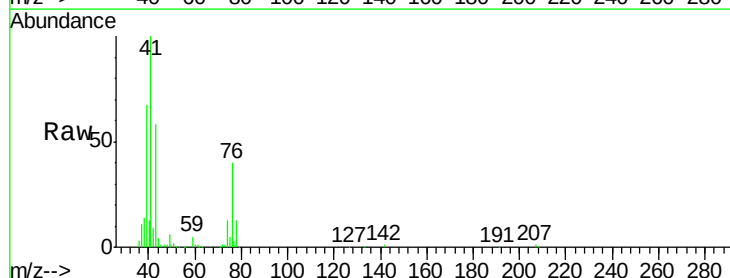
Tgt Ion: 41 Resp: 367103

Ion Ratio Lower Upper

41 100

39 66.4 62.5 93.7

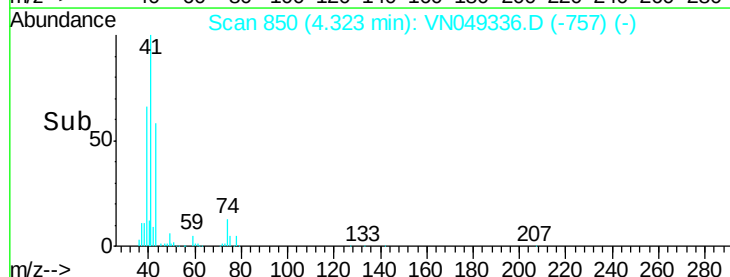
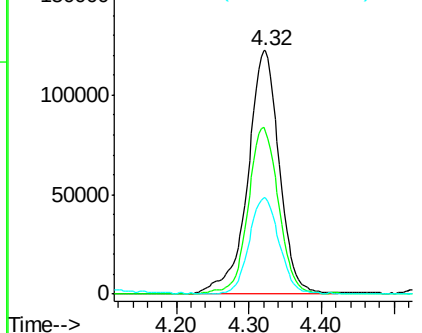
76 37.3 27.1 40.7

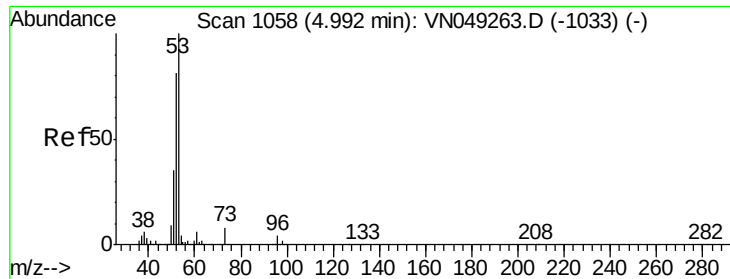


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





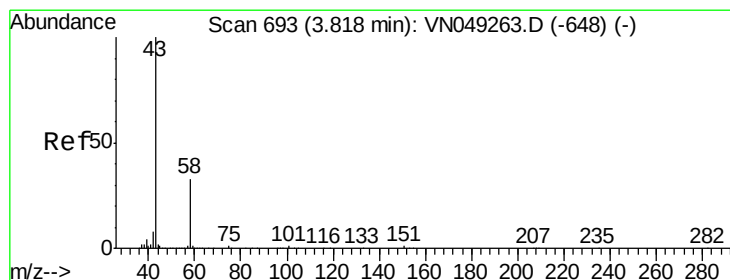
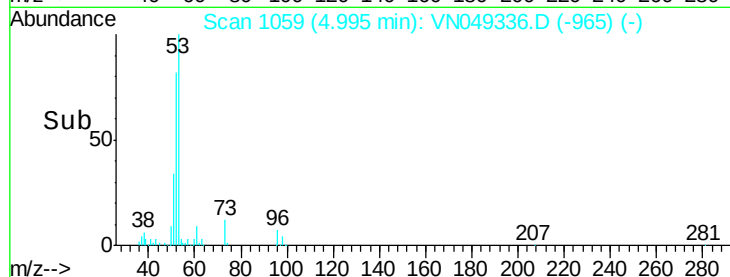
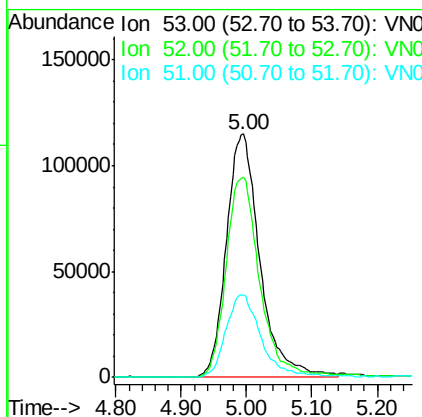
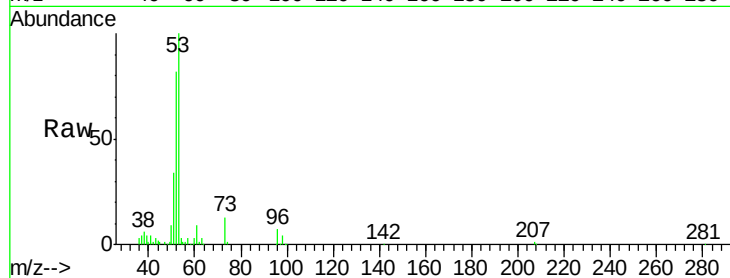
#15
 Acrylonitrile
 Concen: 79.906 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBS01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.6	66.6	100.0	
51	34.7	29.8	44.8	

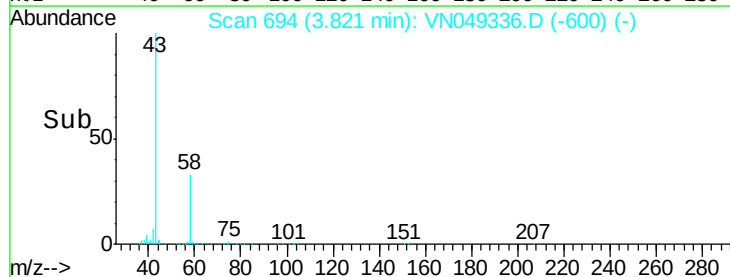
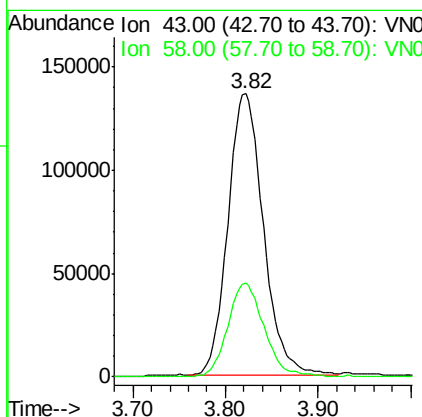
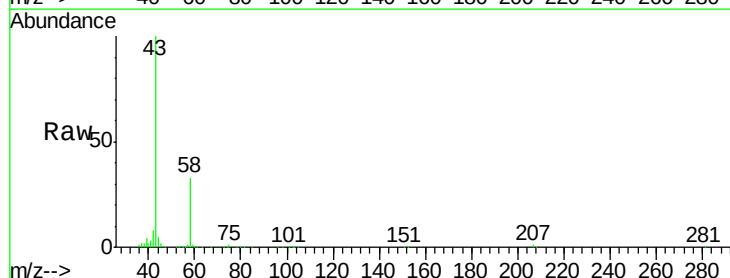
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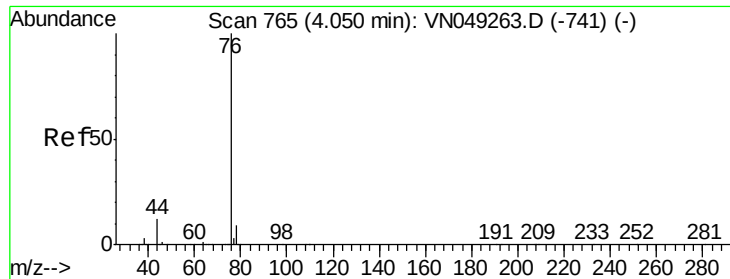
MMDadoda
 6/19/2018 1:55:41 PM



#16
 Acetone
 Concen: 84.820 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	33.5	22.4	33.6	





#17

Carbon Disulfide

Concen: 13.918 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBS01

Tot Ion: 76 Resp: 660044

Ion Ratio Lower Upper

76 100

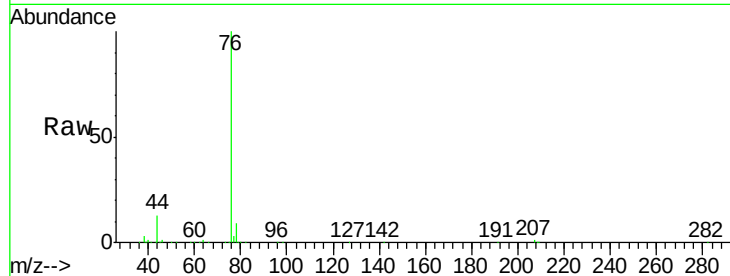
78 9.3 7.4 11.0

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

4.05

250000

200000

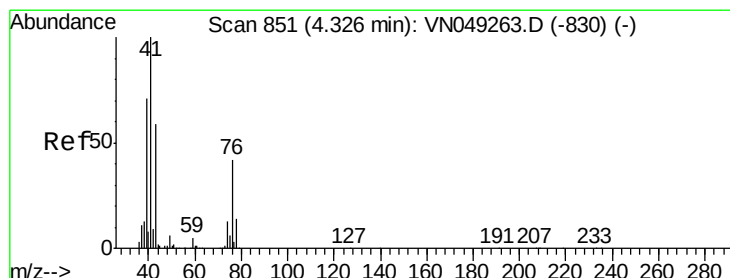
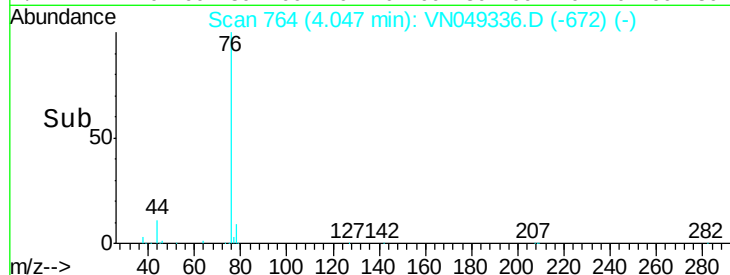
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 16.756 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049336.D

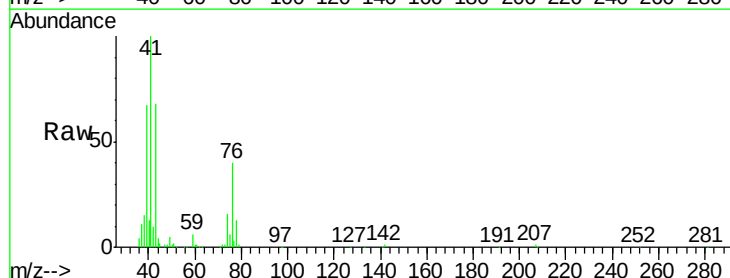
Acq: 18 Jun 2018 12:12

Tgt Ion: 43 Resp: 217123

Ion Ratio Lower Upper

43 100

74 23.3 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

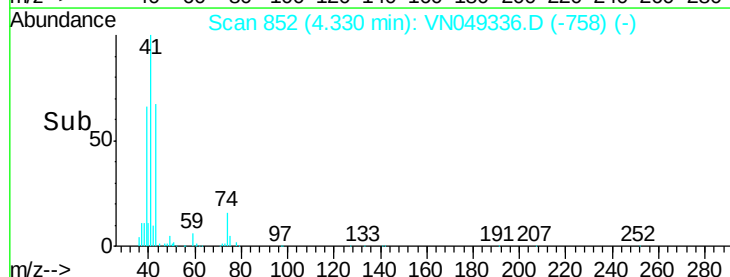
60000

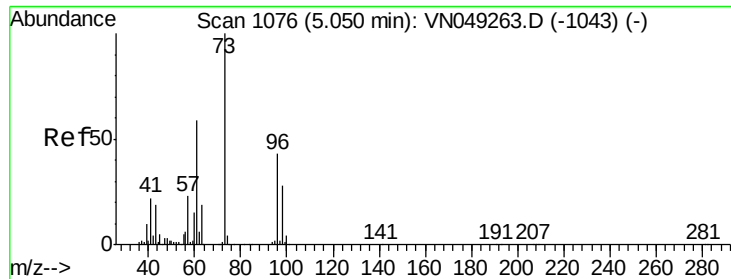
40000

20000

0

Time-->





#19

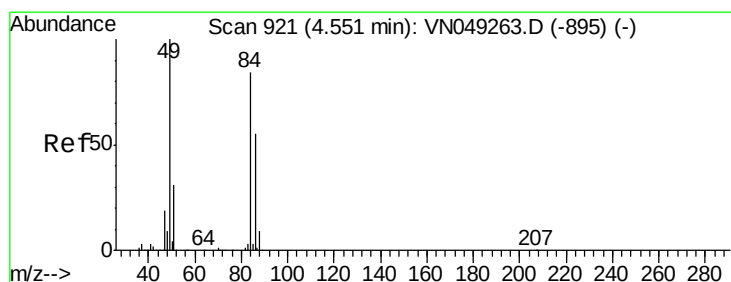
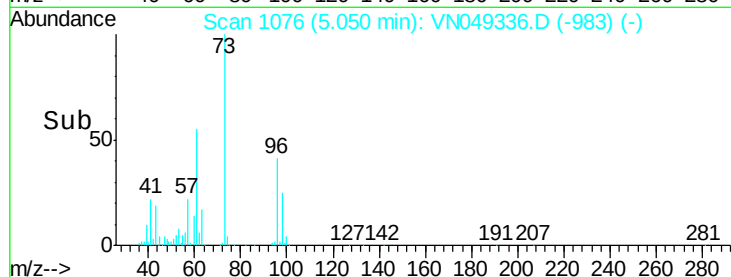
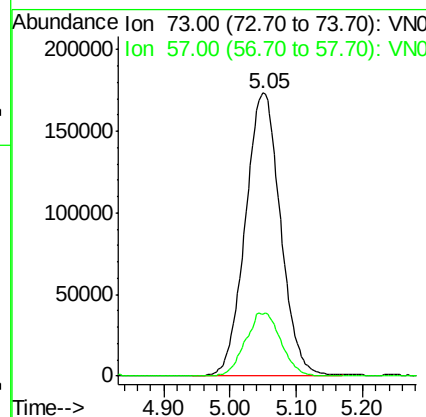
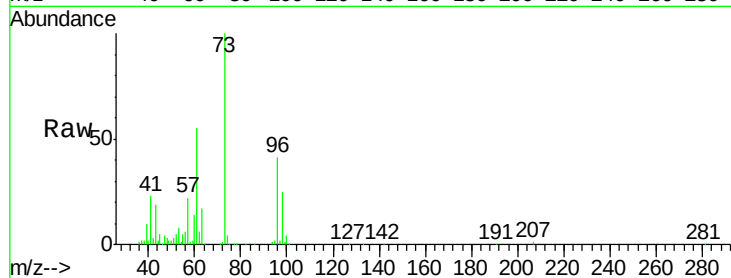
Methvl tert-butyl Ether
 Concen: 16.594 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.2	27.4

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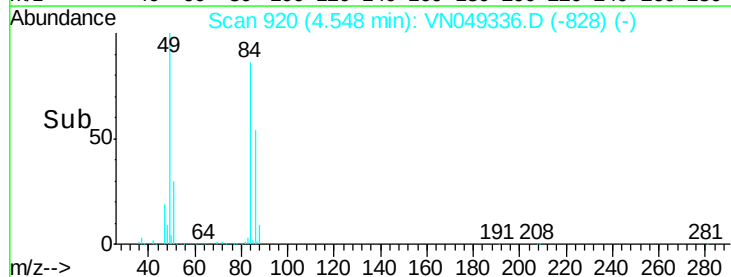
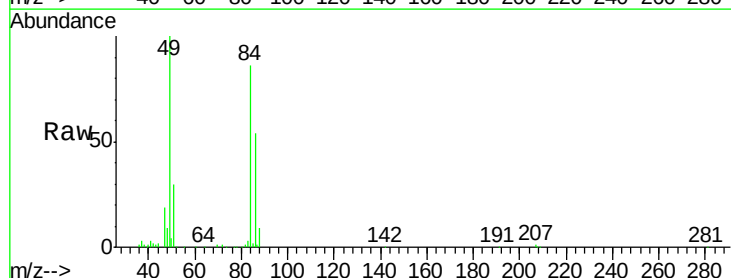
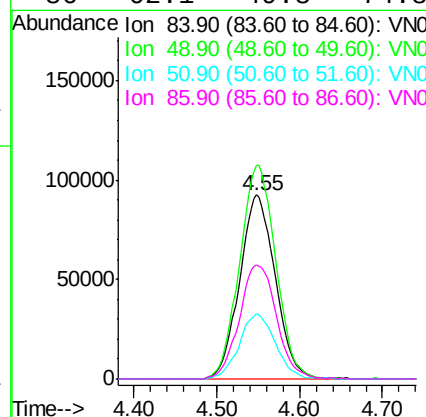
MMDadoda
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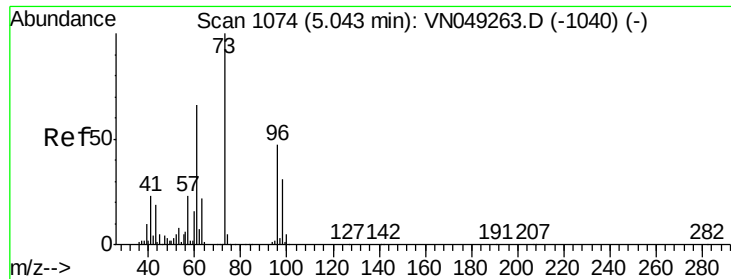


#20

Methylene Chloride
 Concen: 15.575 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.0	106.9	160.3
51	35.0	32.7	49.1
86	62.1	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 15.405 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

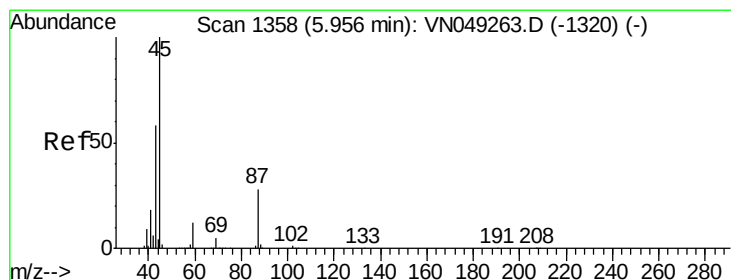
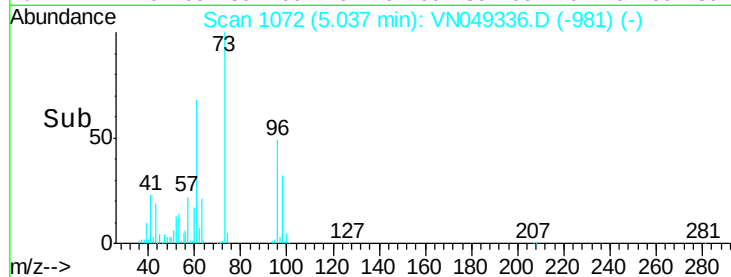
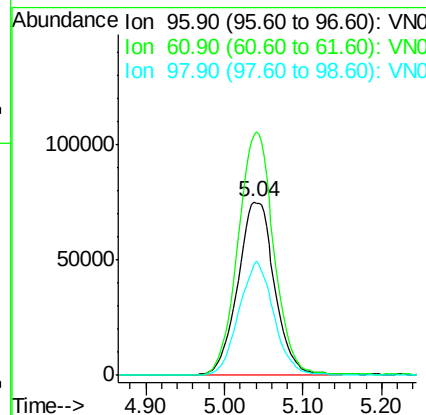
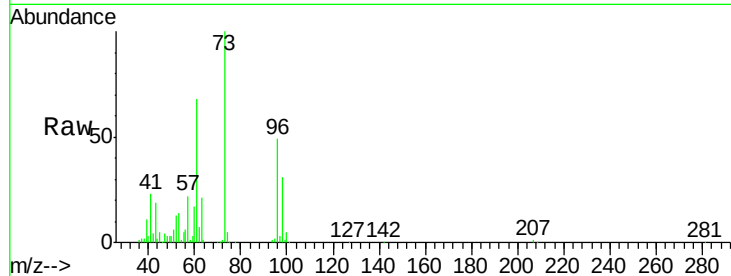
ClientSampled :

VN0618MBS01

Tot Ion:	96	Resp:	246774
Ion	Ratio	Lower	Upper
96	100		
61	138.4	121.3	181.9
98	63.9	52.0	78.0

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#22

Diisopropyl ether

Concen: 16.338 ug/l

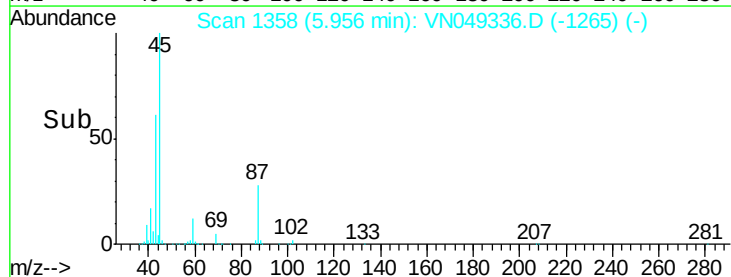
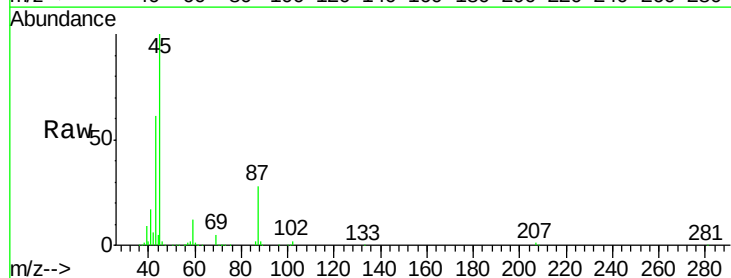
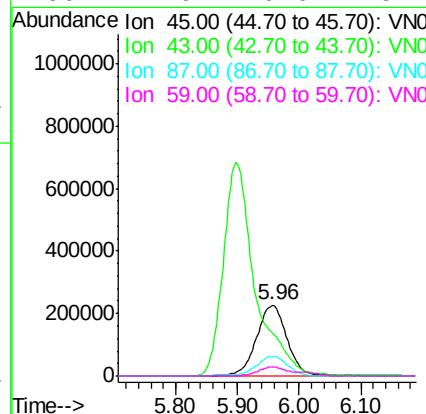
RT: 5.96 min Scan# 1358

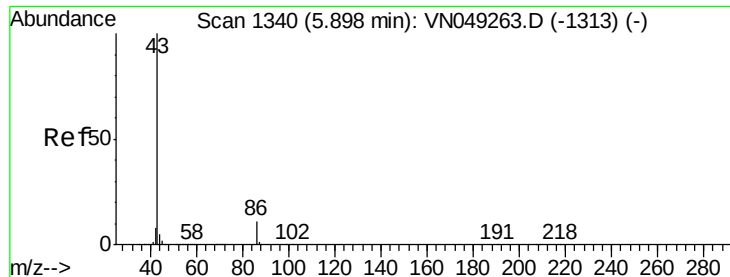
Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Tgt Ion:	45	Resp:	779483
Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.6	72.8
87	27.3	20.2	30.2
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 78.631 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBS01

Tot Ion: 43 Resp: 2445537

Ion Ratio Lower Upper

43 100

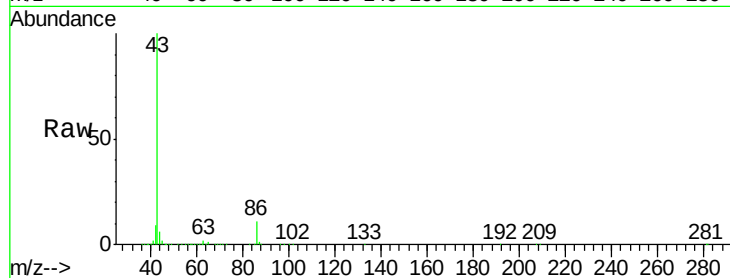
86 10.8 7.2 10.8

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6/19/2018 1:55:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

800000

600000

400000

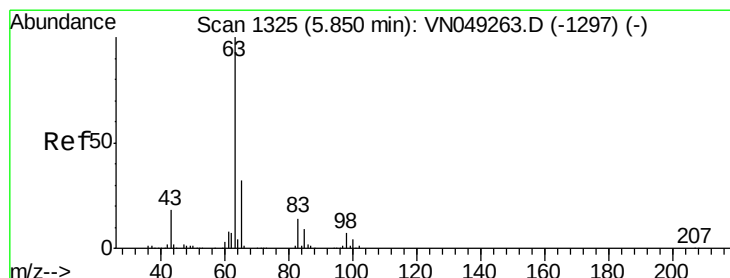
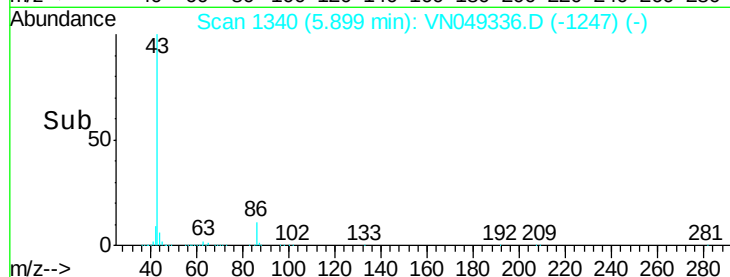
200000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 15.829 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

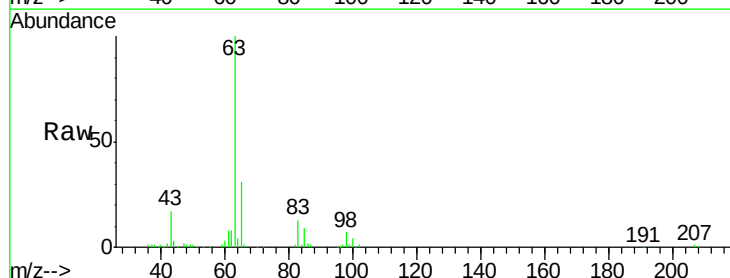
Tgt Ion: 63 Resp: 483354

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 4.0 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

150000

100000

50000

0

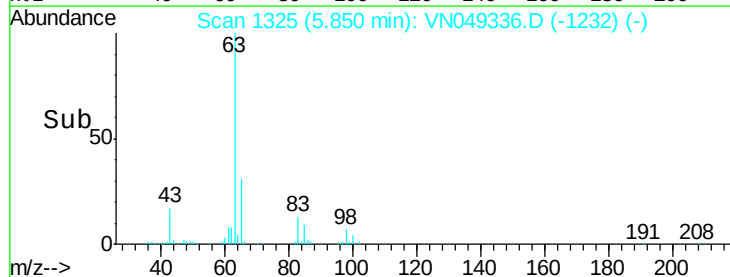
5.70

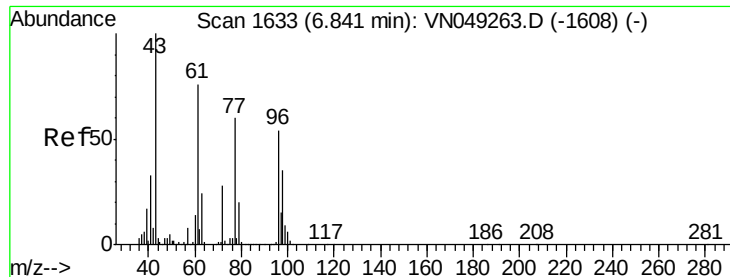
5.80

5.90

6.00

Time-->





#25

2-Butanone

Concen: 81.382 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBS01

Tot Ion: 43 Resp: 464386

Ion Ratio Lower Upper

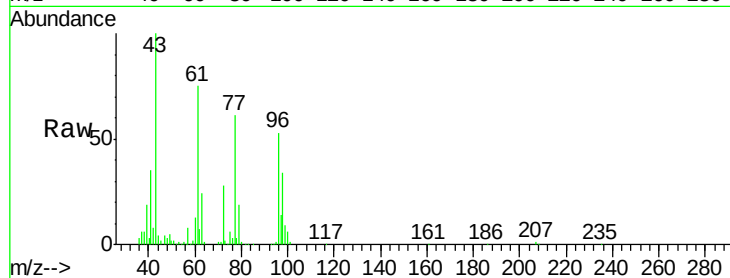
43 100

72 28.0 20.2 30.2

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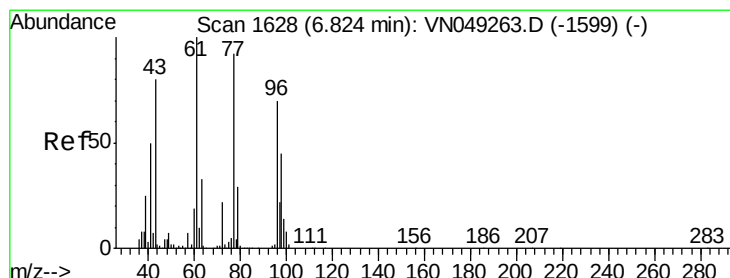
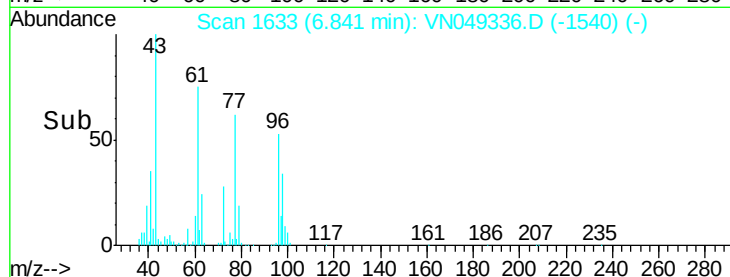
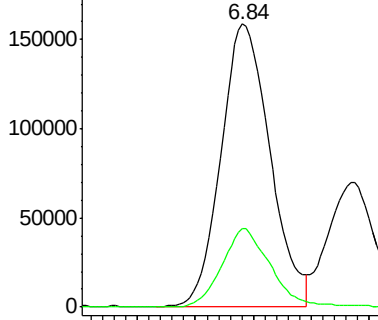
MMDadoda

6/19/2018 1:55:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 16.407 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049336.D

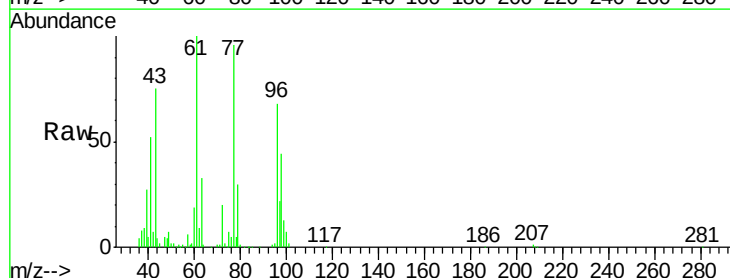
Acq: 18 Jun 2018 12:12

Tgt Ion: 77 Resp: 404596

Ion Ratio Lower Upper

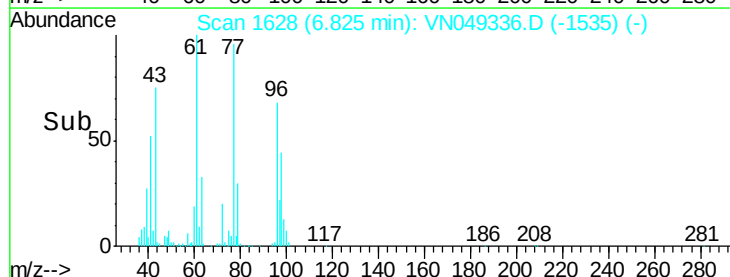
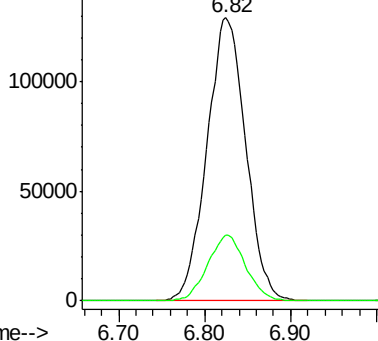
77 100

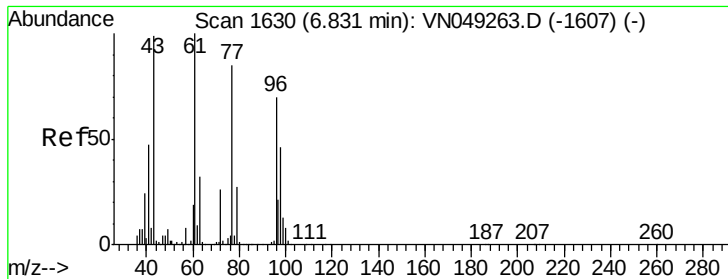
97 22.7 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 15.768 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

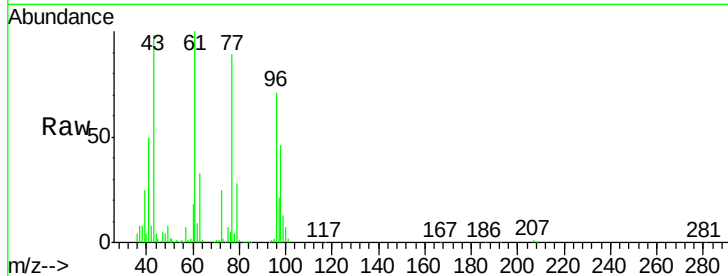
ClientSampleId :

VN0618MBS01

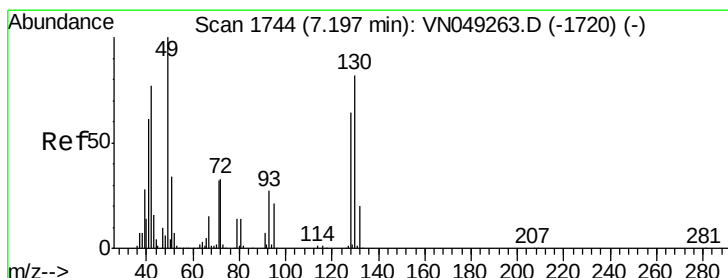
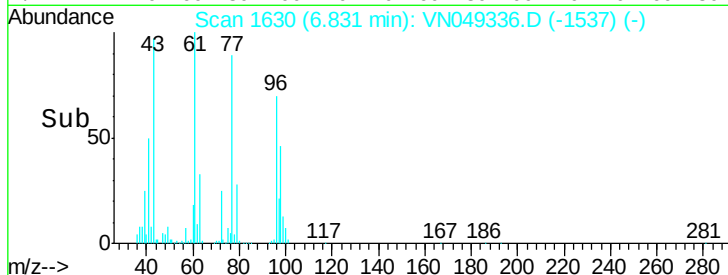
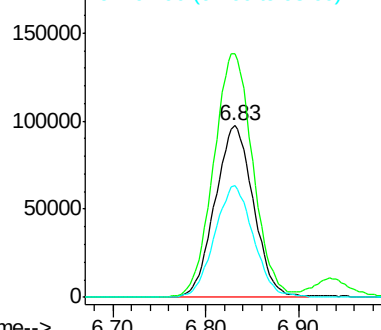
Tot Ion:	96	Resp:	280813
Ion Ratio	Lower	Upper	
96	100		
61	145.1	0.0	316.4
98	65.9	0.0	128.4

Manual Integrations
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MMDadoda
6/19/2018 1:55:41 PM



Abundance Ion 95.90 (95.60 to 96.60): VN049336.D (-1537) (-)



#28

Bromochloromethane

Concen: 14.221 ug/l

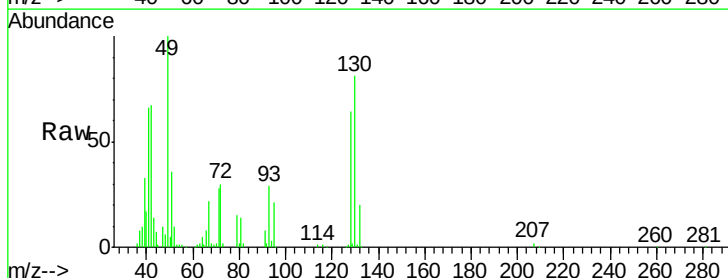
RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

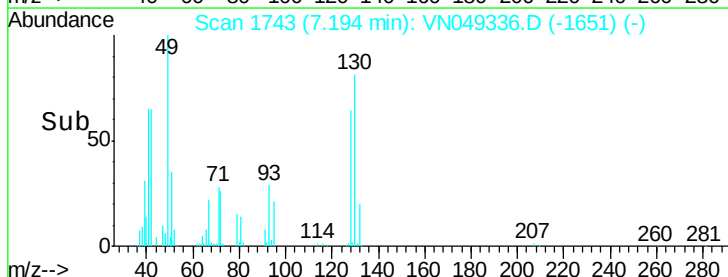
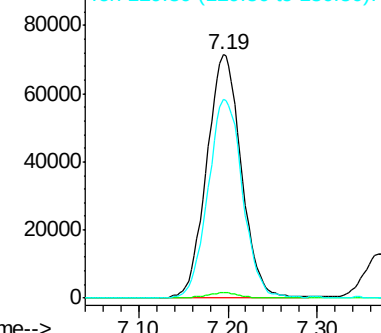
Lab File: VN049336.D

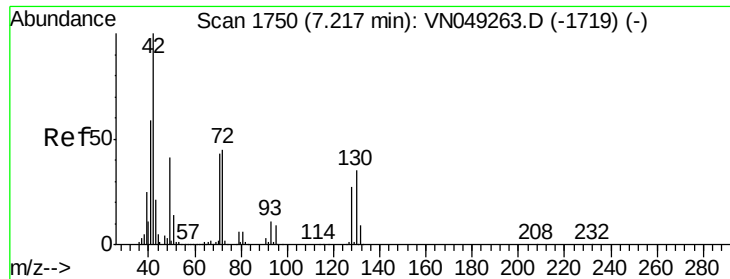
Acq: 18 Jun 2018 12:12

Tgt Ion:	49	Resp:	192516
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	81.6	54.9	82.3



Abundance Ion 48.90 (48.60 to 49.60): VN049336.D (-1651) (-)





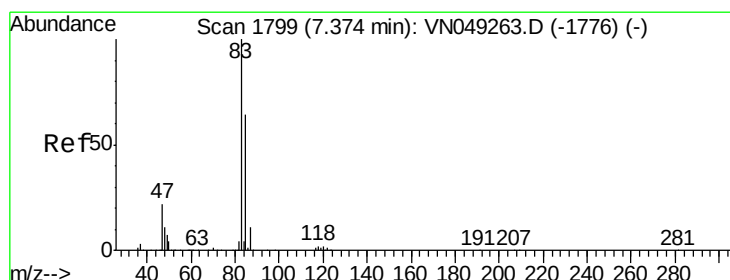
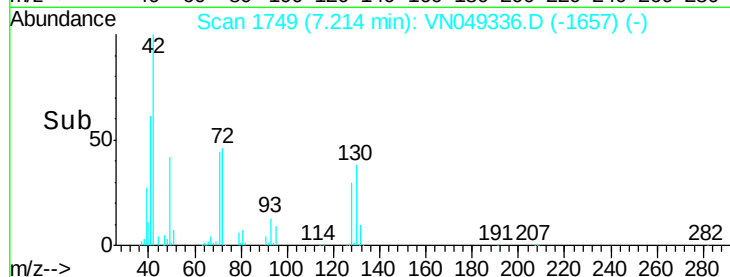
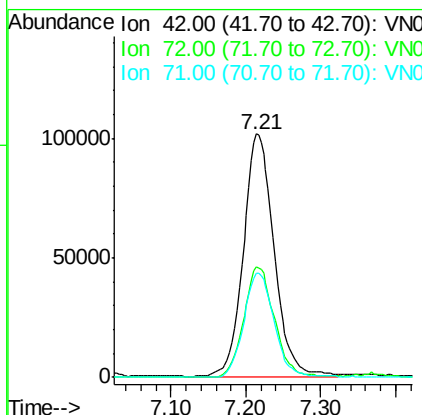
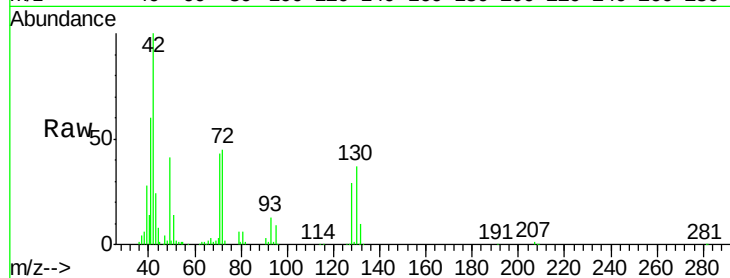
#29
Tetrahydrofuran
Concen: 79.014 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	32.2	48.4
71	42.4	30.5	45.7

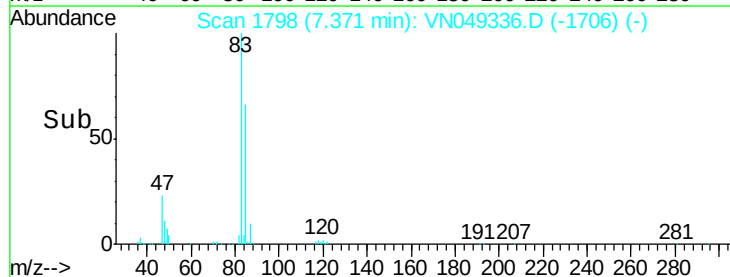
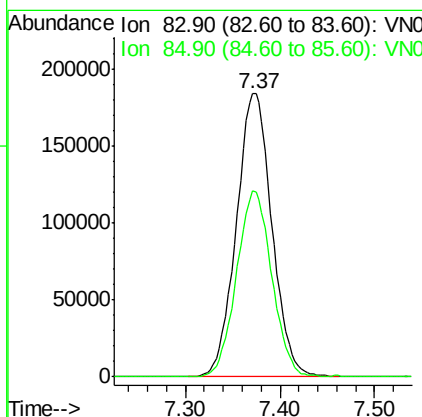
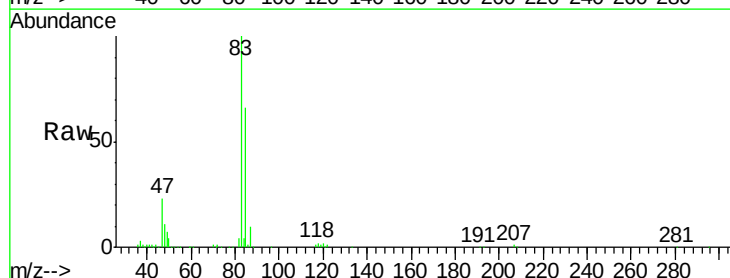
Manual Integrations
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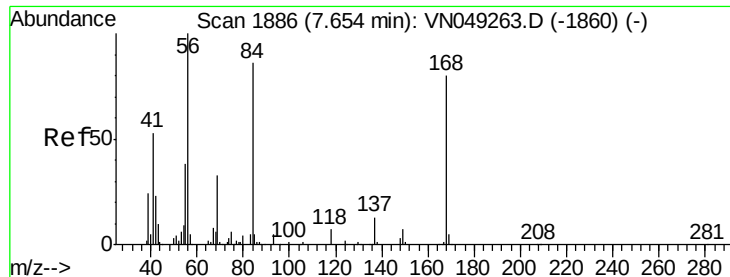
MMDadoda
6/19/2018 1:55:41 PM



#30
Chloroform
Concen: 15.816 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.7	77.5





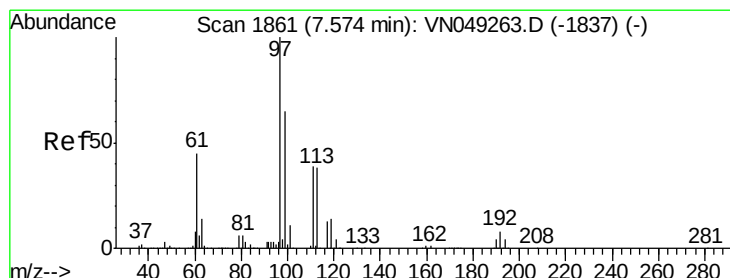
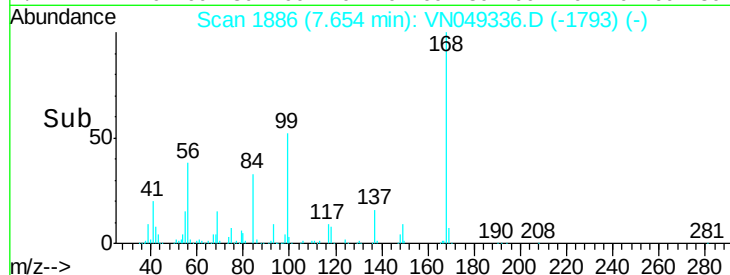
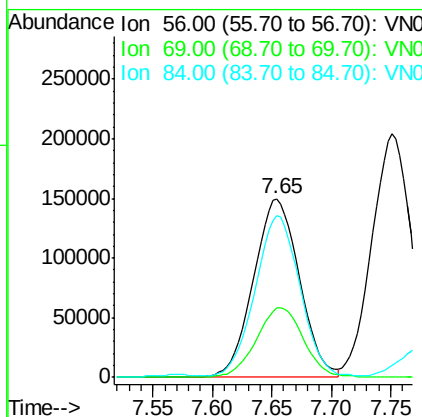
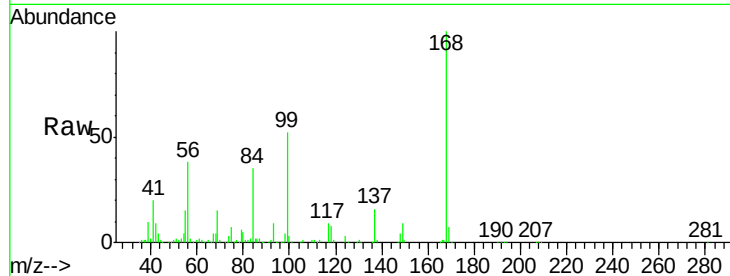
#31
Cyclohexane
Concen: 15.310 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0618MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.7	25.0	37.4#
84	89.3	64.6	96.8

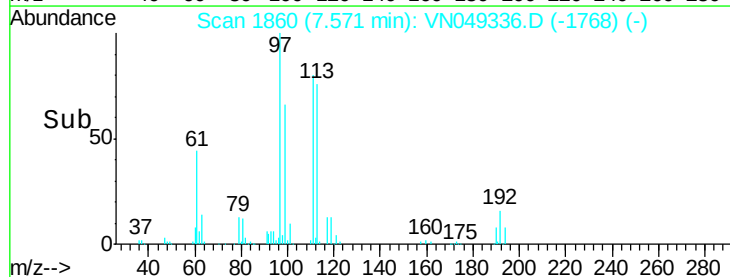
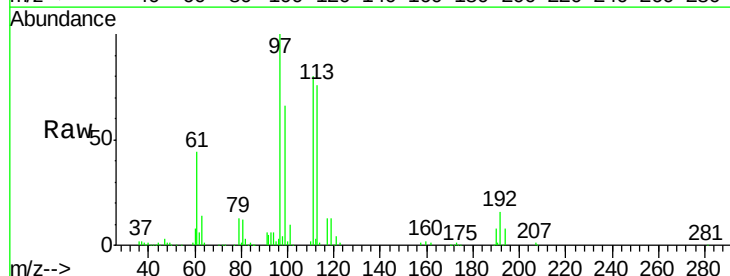
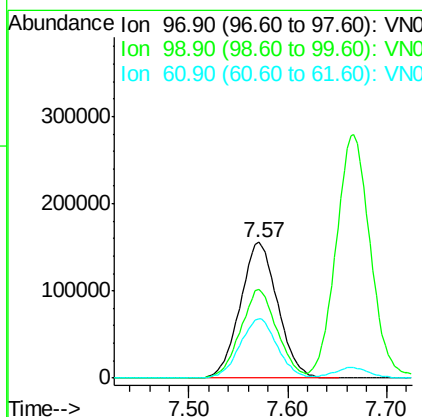
Manual Integrations
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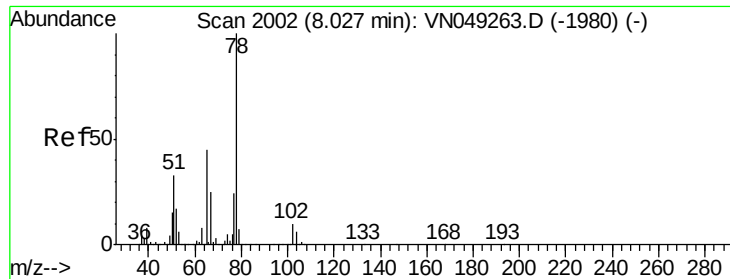
MMDadoda
6/19/2018 1:55:41 PM



#32
1,1,1-Trichloroethane
Concen: 15.794 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.5	75.7
61	43.7	37.9	56.9





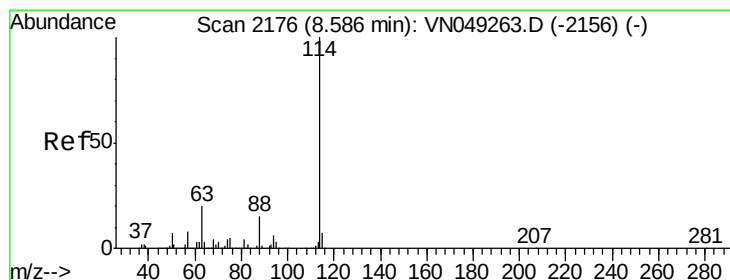
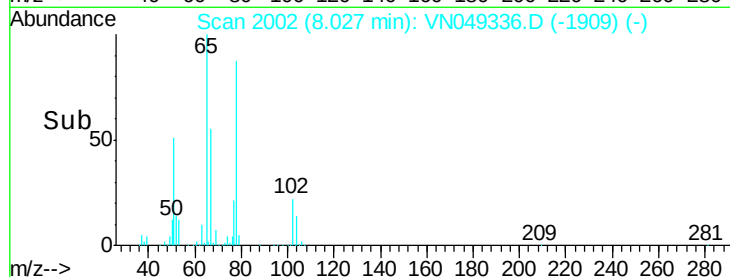
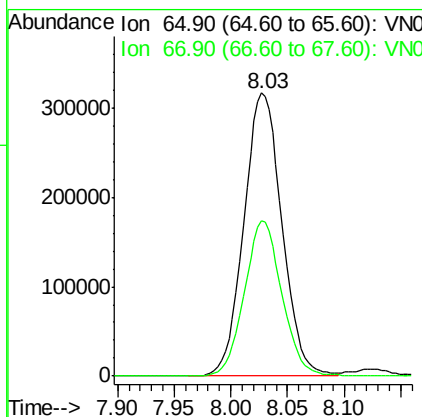
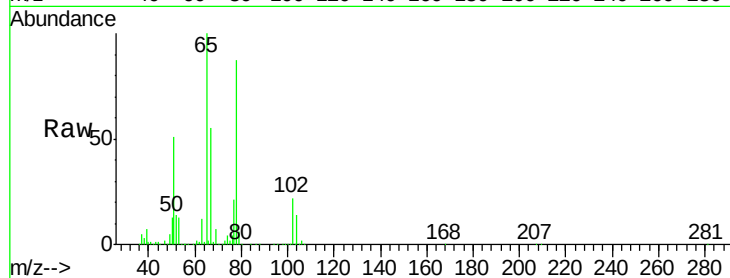
#33
 1,2-Dichloroethane-d4
 Concen: 42.437 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	103.8

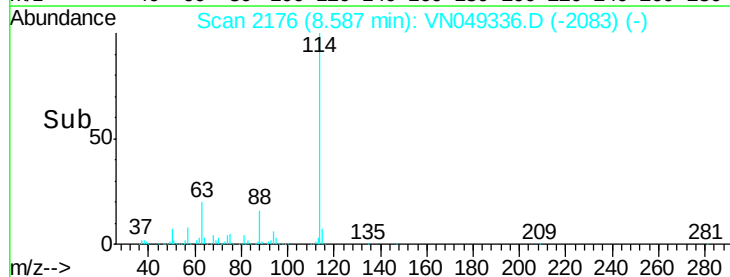
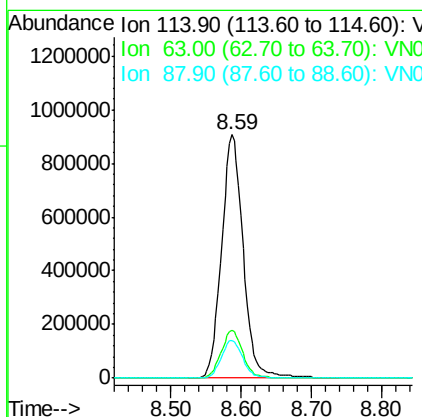
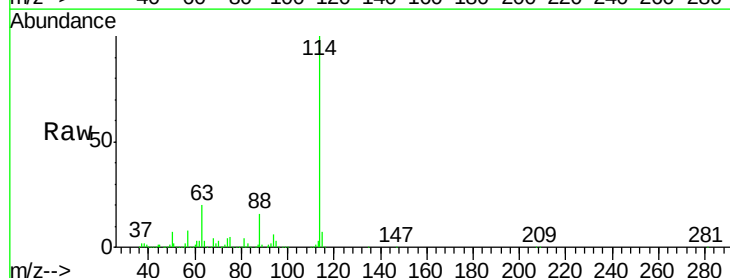
Manual Integrations
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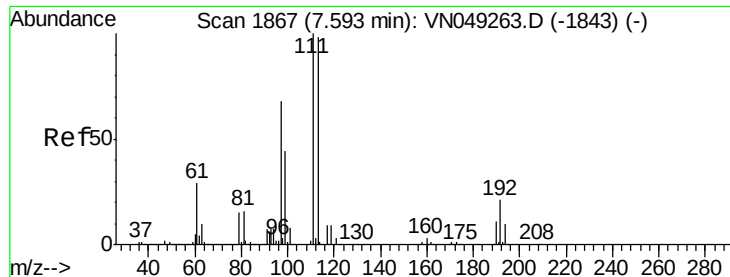
MMDadoda
 6/19/2018 1:55:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	44.4
88	15.6	0.0	31.4





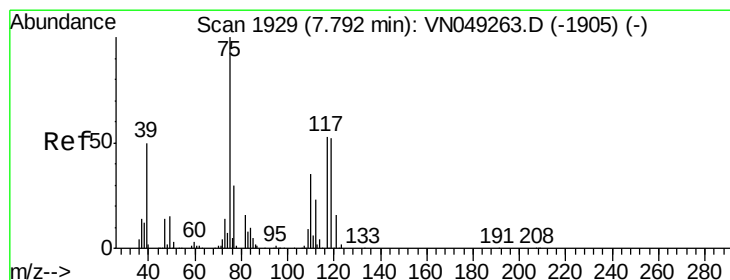
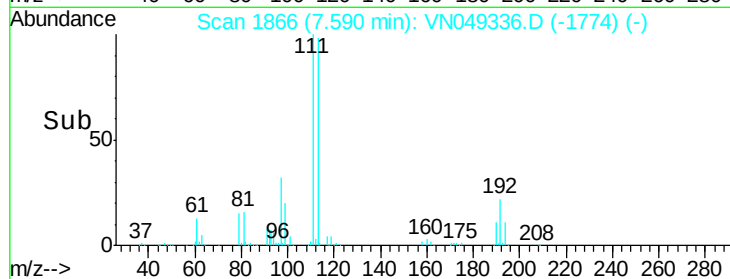
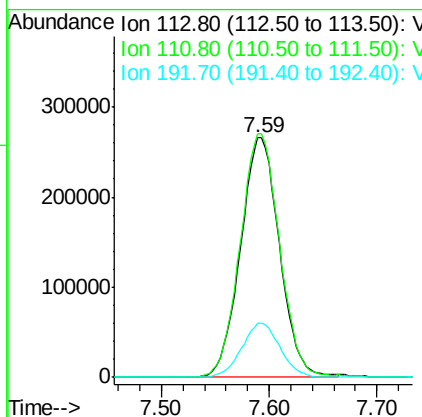
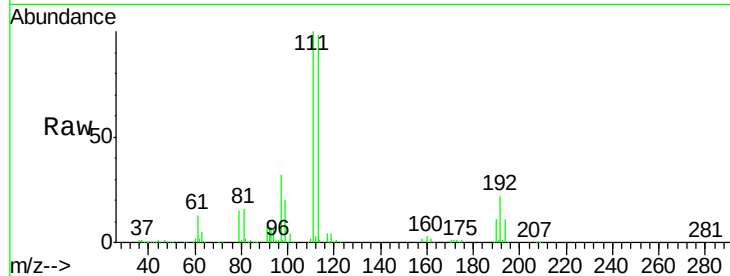
#35
 Dibromofluoromethane
 Concen: 42.345 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	667798		
111	103.0		82.4	123.6
192	22.3		15.0	22.6

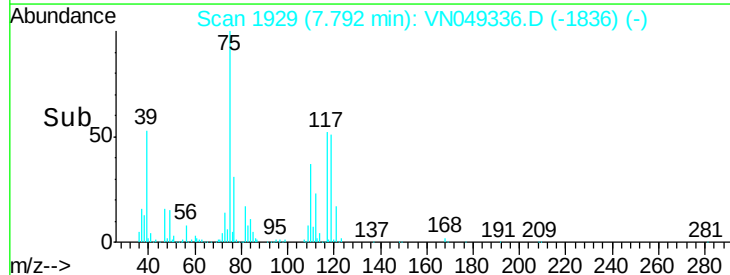
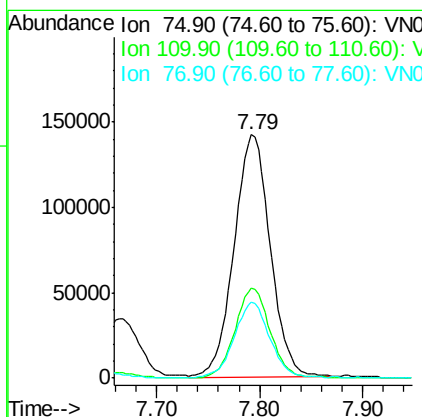
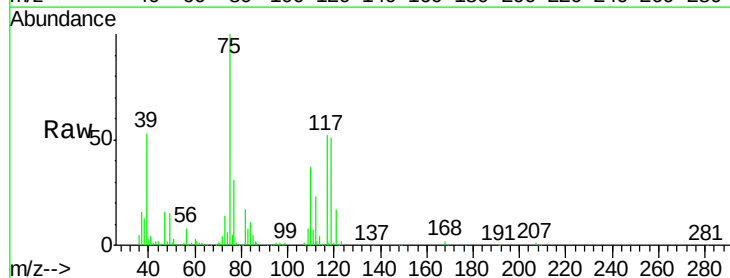
Manual Integrations
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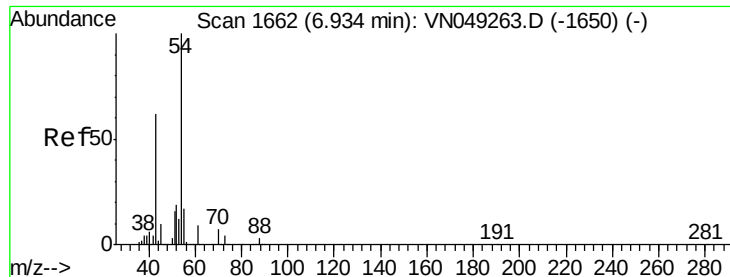
MMDadoda
 6/19/2018 1:55:41 PM



#36
 1,1-Dichloropropene
 Concen: 15.456 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	345300		
110	36.4		17.0	50.9
77	30.7		24.4	36.6





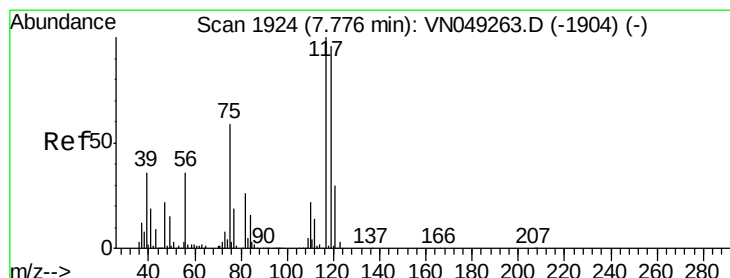
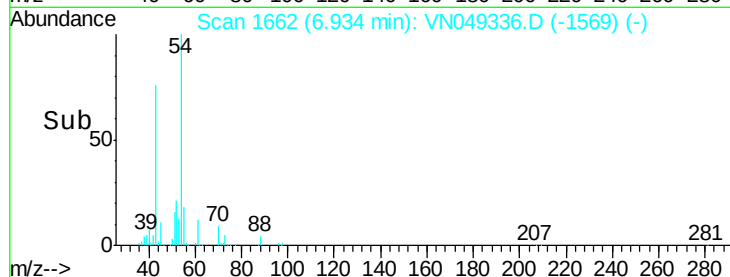
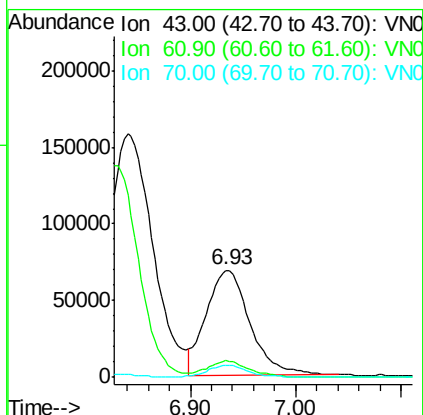
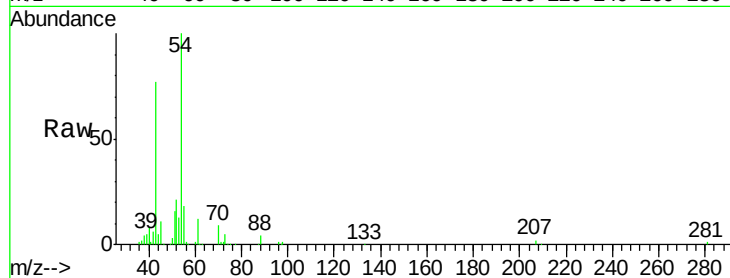
#37
Ethyl Acetate
Concen: 16.347 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.4
70	9.8	7.2	10.8

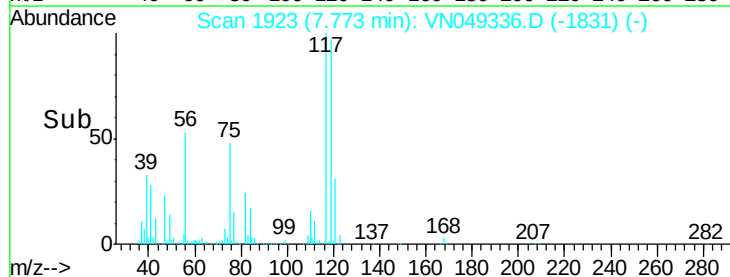
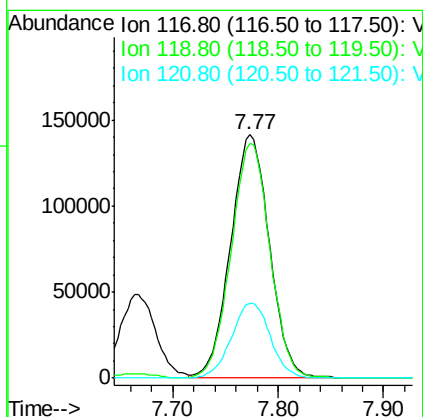
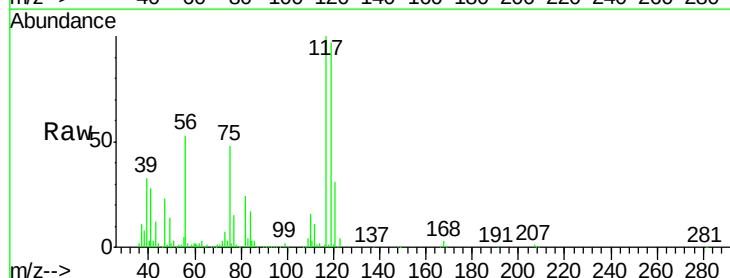
Manual Integrations
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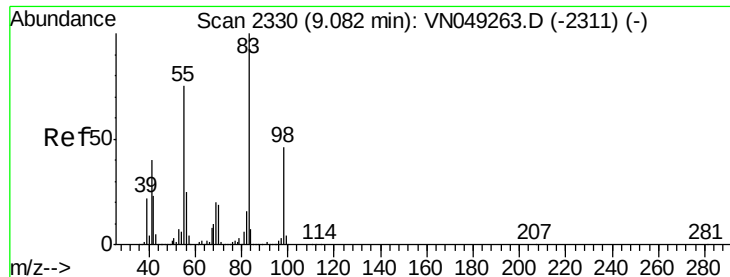
MMDadoda
6/19/2018 1:55:41 PM



#38
Carbon Tetrachloride
Concen: 15.594 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.6	113.4
121	30.8	24.7	37.1





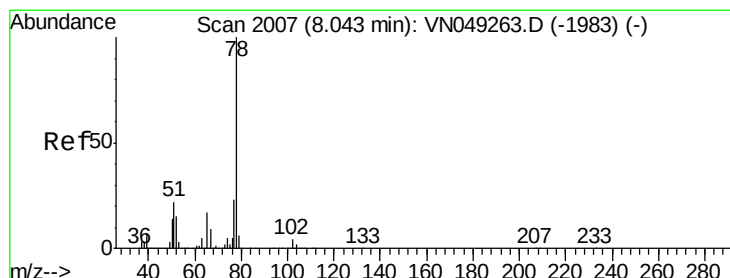
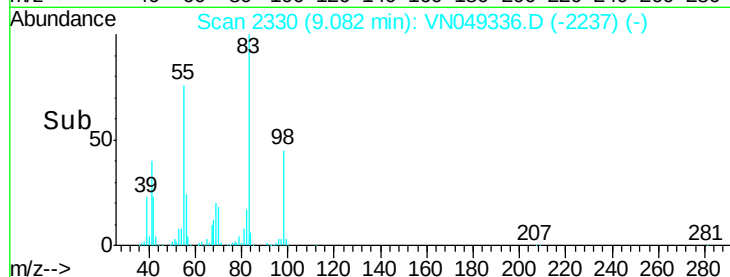
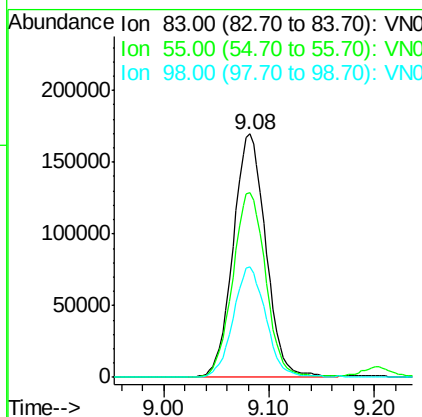
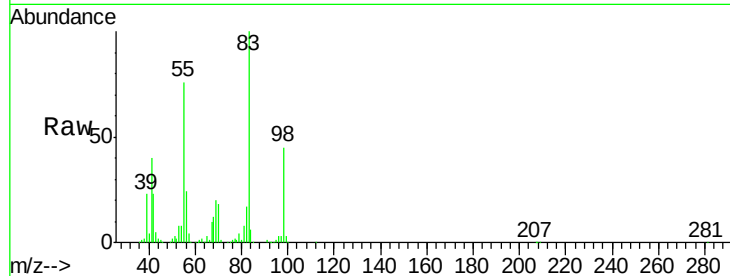
#39
Methylvlcyclohexane
Concen: 15.238 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	65.1	97.7
98	45.3	36.5	54.7

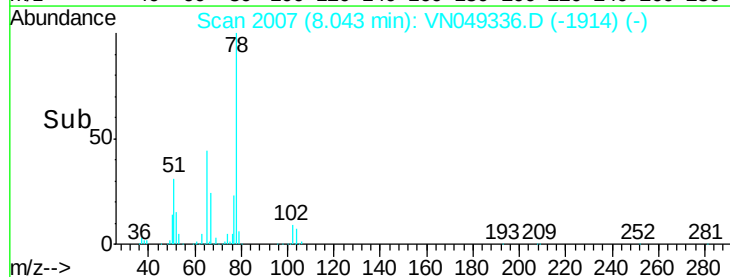
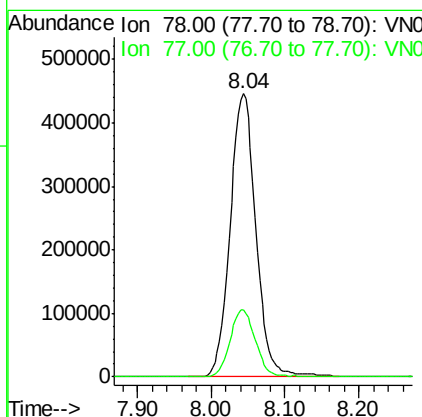
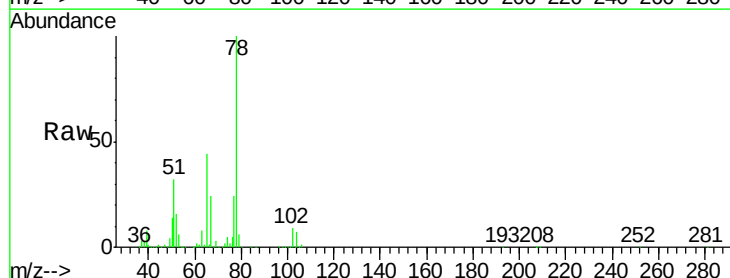
Manual Integrations
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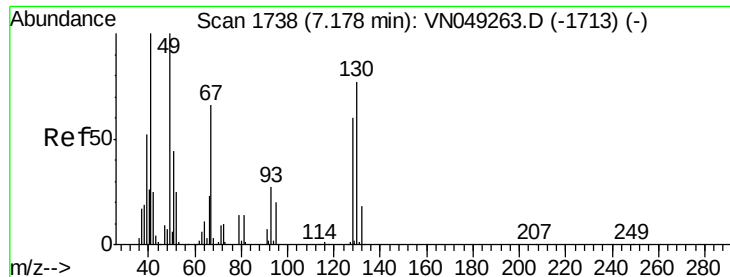
MMDadoda
6/19/2018 1:55:41 PM



#40
Benzene
Concen: 15.836 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





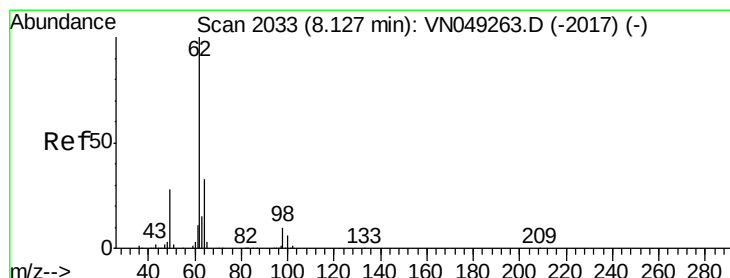
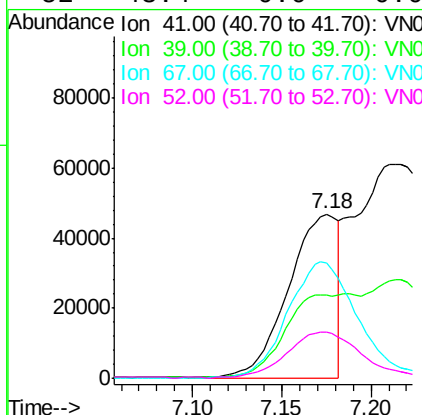
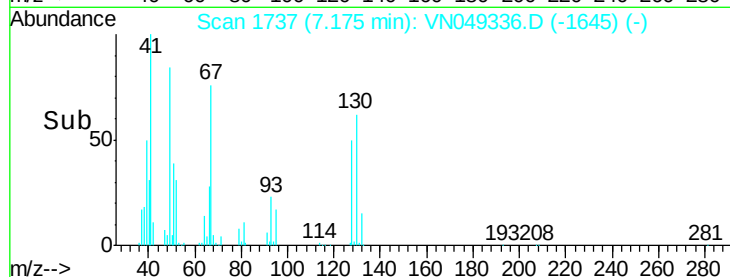
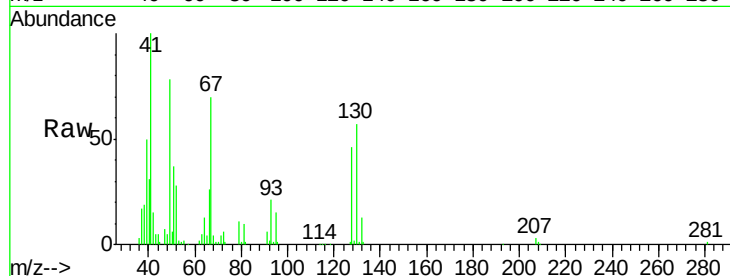
#41
Methacrylonitrile
Concen: 13.666 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.2	0.0	0.0#
67	102.2	0.0	0.0#
52	43.4	0.0	0.0#

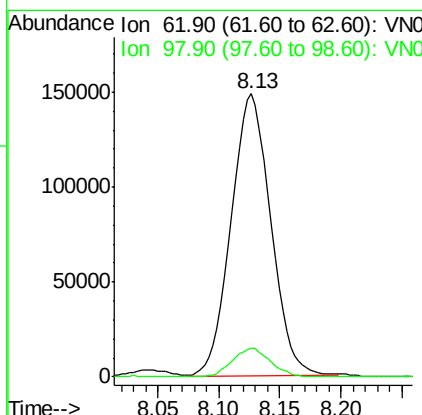
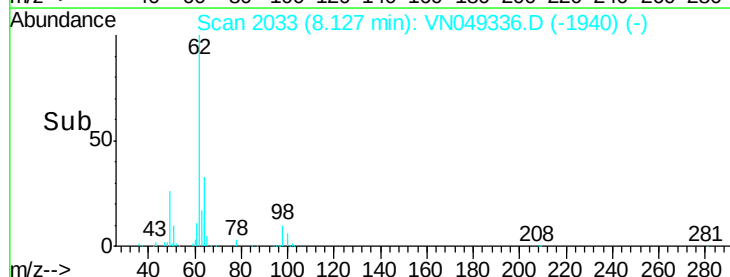
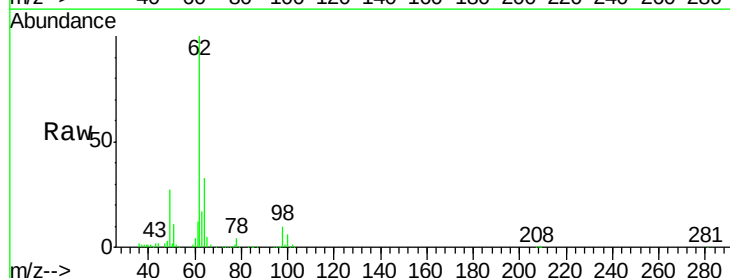
Manual Integrations
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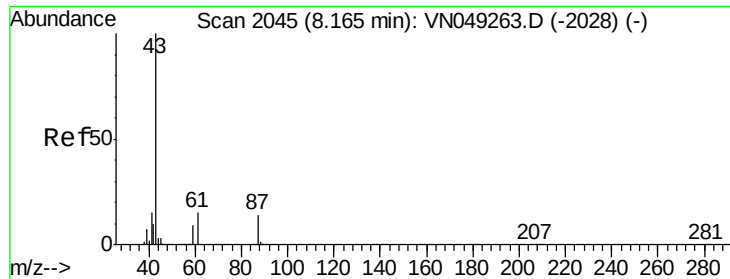
MMDadoda
6/19/2018 1:55:41 PM



#42
1,2-Dichloroethane
Concen: 15.793 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	16.2





#43

Isopropyl Acetate

Concen: 16.398 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

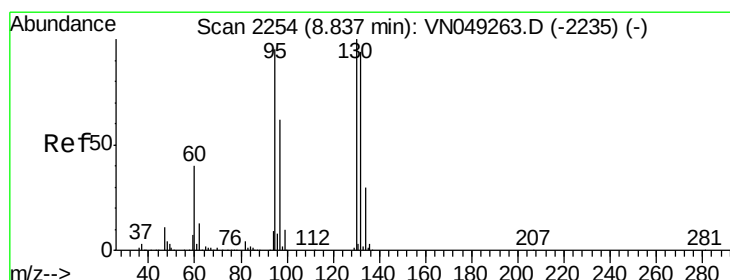
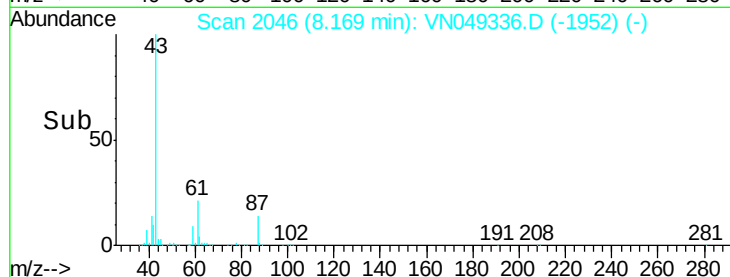
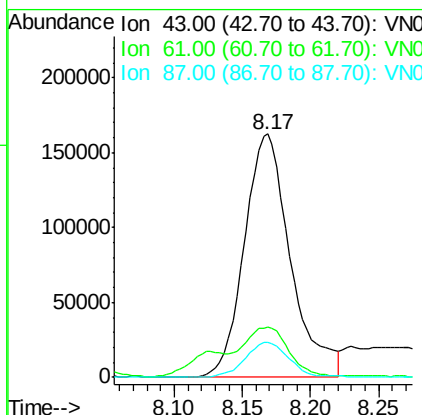
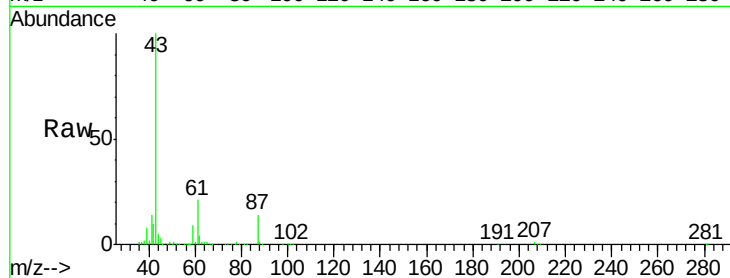
ClientSampleId :

VN0618MBS01

Tot Ion:	43	Resp:	380515
Ion	Ratio	Lower	Upper
43	100		
61	19.3	14.2	21.4
87	13.7	9.4	14.0

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:55:41 PM



#44

Trichloroethene

Concen: 15.575 ug/l

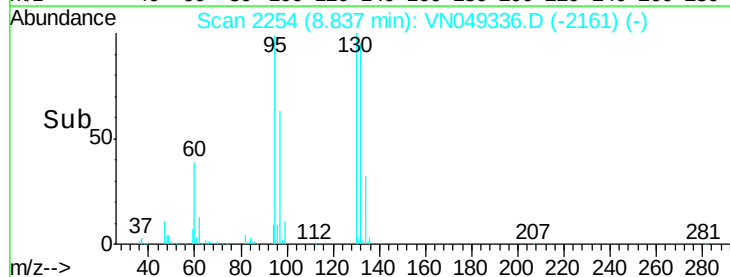
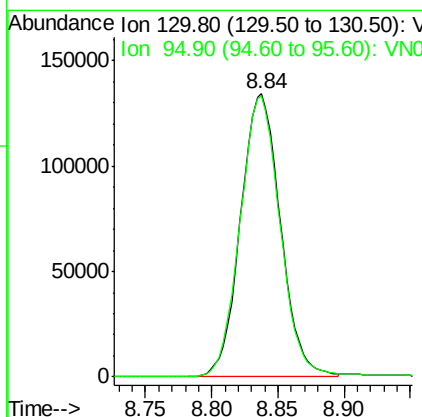
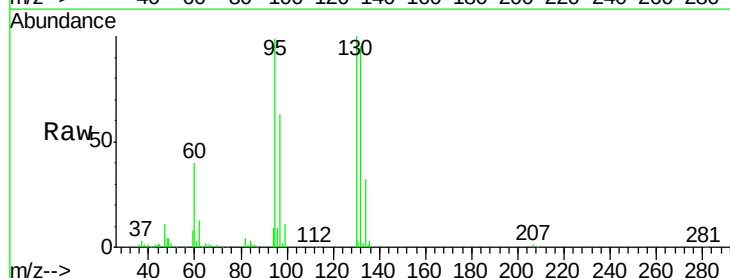
RT: 8.84 min Scan# 2254

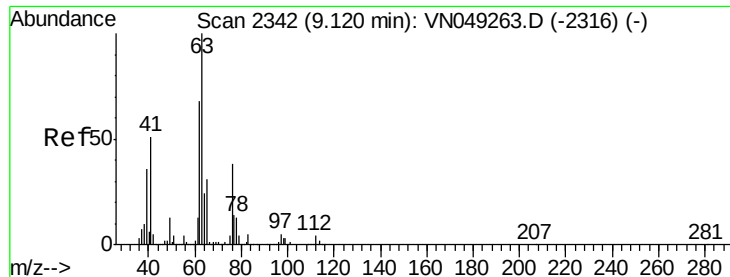
Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Tgt Ion:	130	Resp:	281698
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	208.6





#45

1,2-Dichloropropane

Concen: 16.058 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBS01

Tot Ion: 63 Resp: 287982

Ion Ratio Lower Upper

63 100

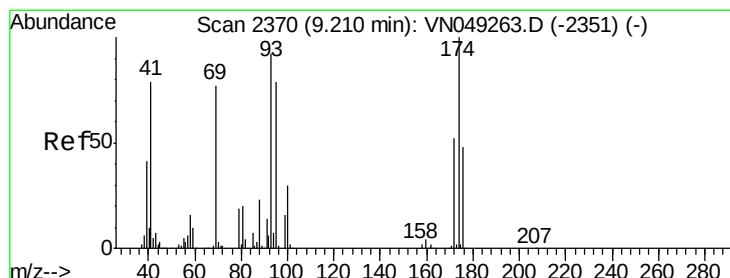
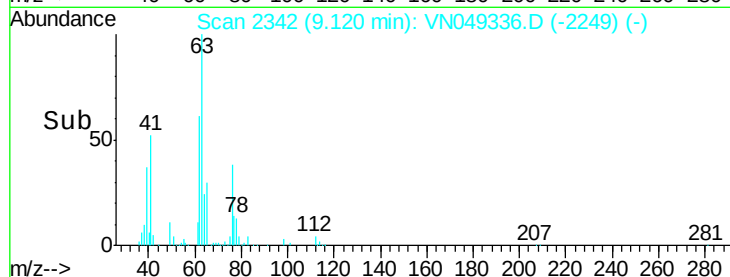
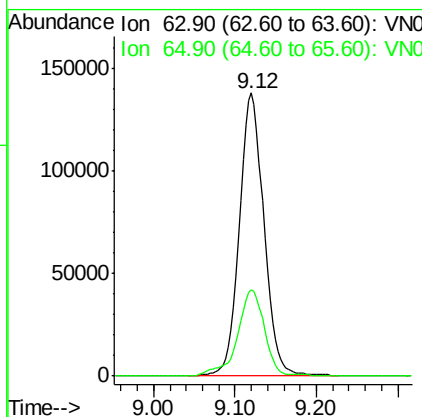
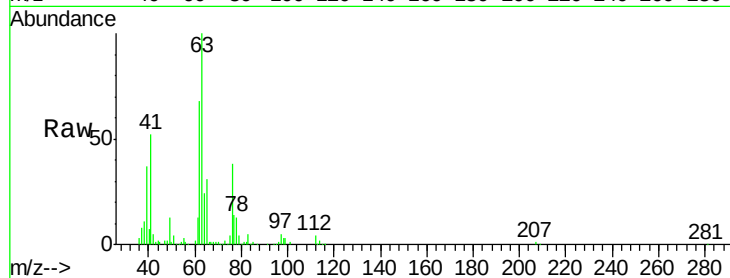
65 30.4 24.8 37.2

Manual Integrations

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MMDadoda

6/19/2018 1:55:41 PM



#46

Dibromomethane

Concen: 15.791 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

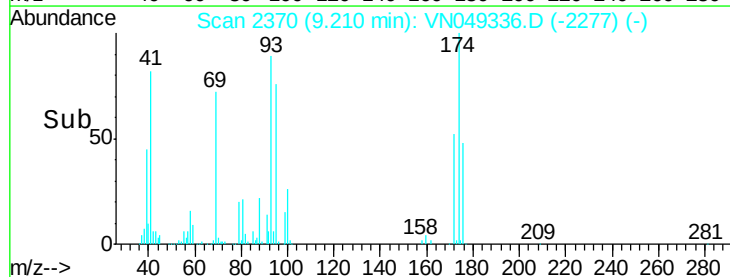
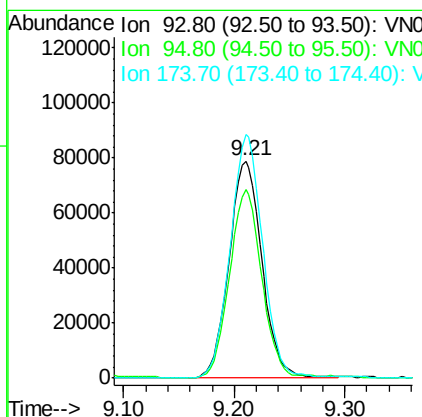
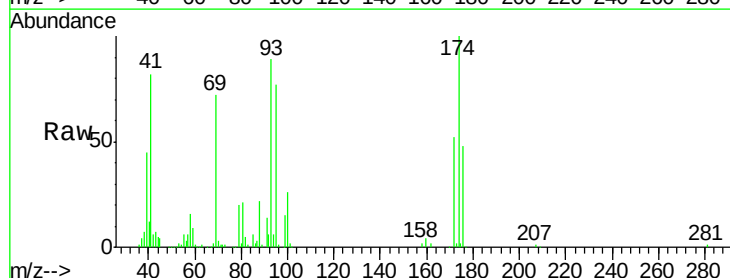
Tgt Ion: 93 Resp: 164208

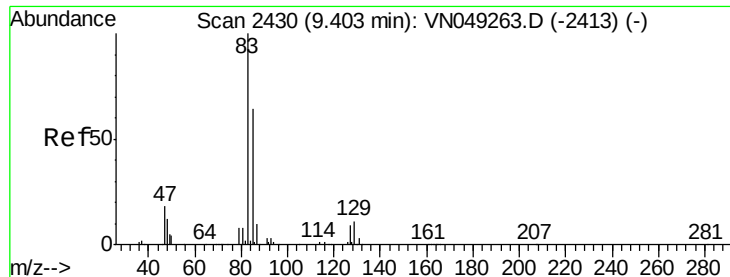
Ion Ratio Lower Upper

93 100

95 84.2 67.2 100.8

174 110.2 75.6 113.4





#47

Bromodichloromethane

Concen: 16.023 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

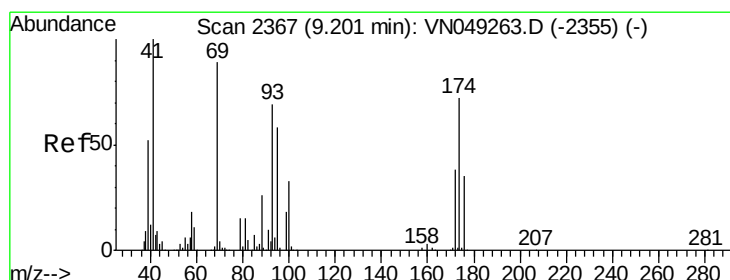
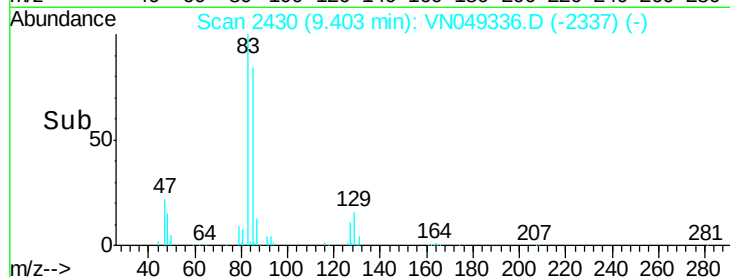
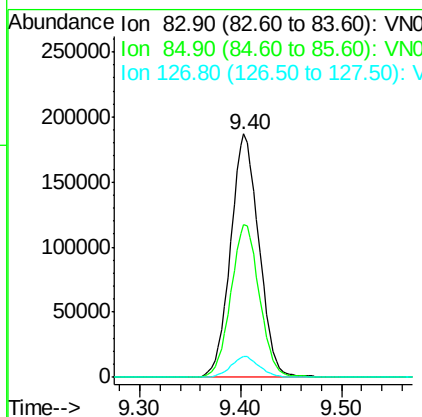
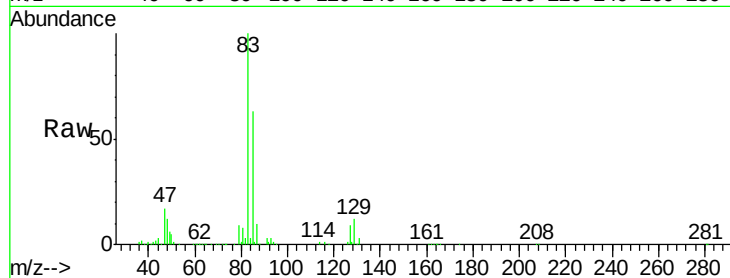
ClientSampleId :

VN0618MBS01

Tot Ion:	83	Resp:	366143
Ion Ratio	Lower	Upper	
83	100		
85	62.8	49.4	74.0
127	8.5	6.3	9.5

Manual Integrations
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MMDadoda
6/19/2018 1:55:41 PM



#48

Methyl methacrylate

Concen: 15.854 ug/l

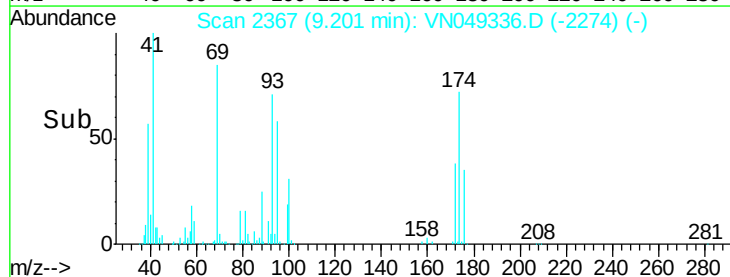
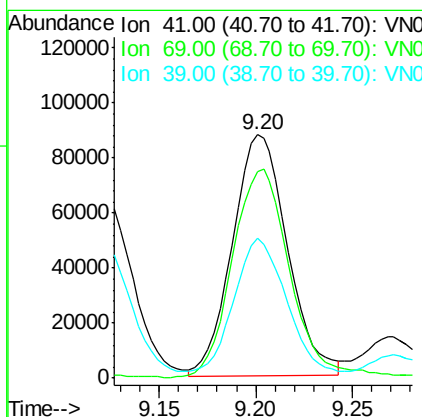
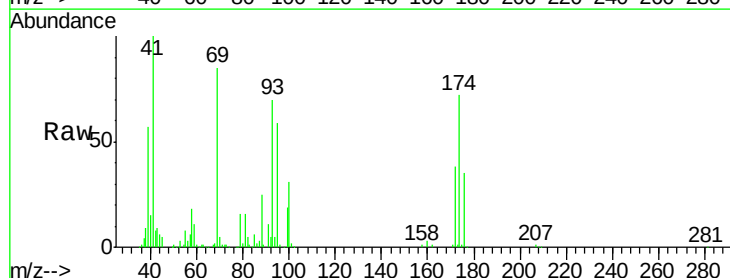
RT: 9.20 min Scan# 2367

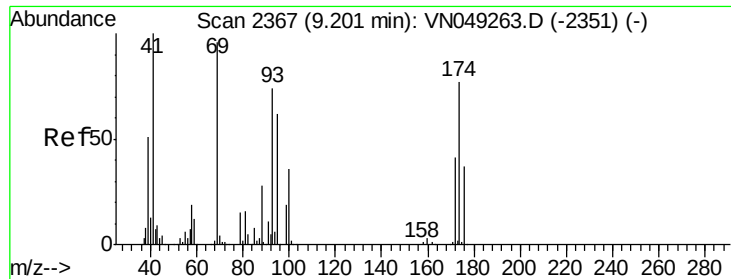
Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Tgt Ion:	41	Resp:	173247
Ion Ratio	Lower	Upper	
41	100		
69	90.2	62.0	93.0
39	56.8	50.6	75.8





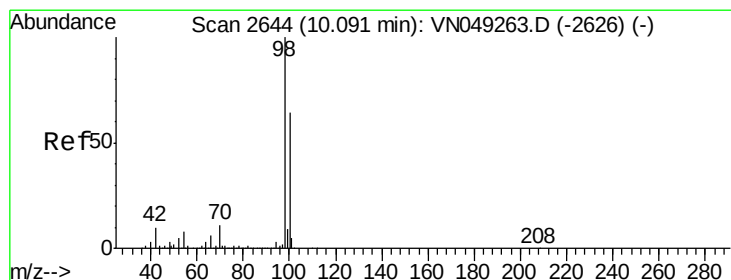
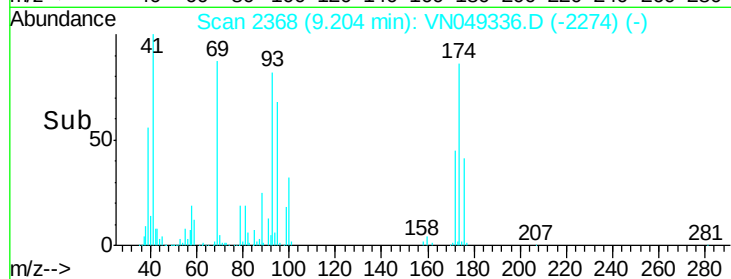
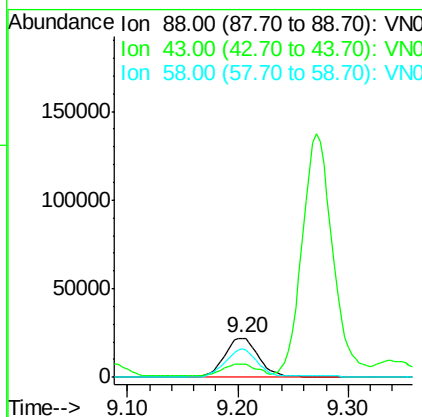
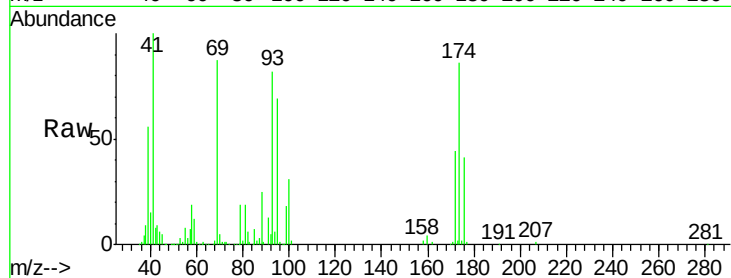
#49
1,4-Dioxane
Concen: 319.317 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBS01

Tot Ion	88	Resp	48160
Ion Ratio	Lower	Upper	
88	100		
43	30.0	30.9	46.3#
58	67.7	58.9	88.3

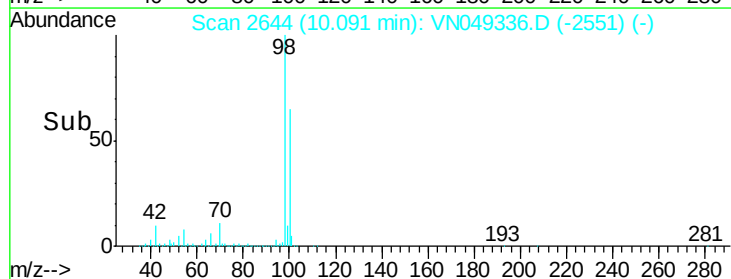
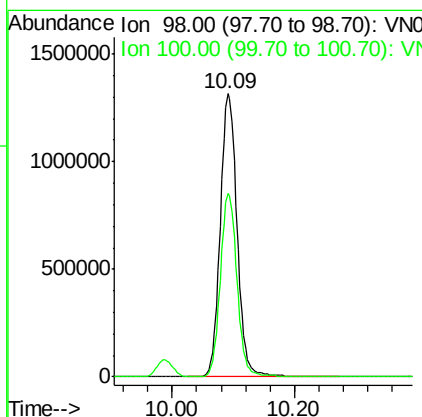
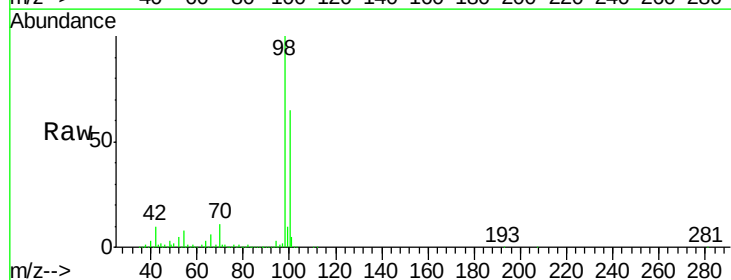
Manual Integrations
APPROVED

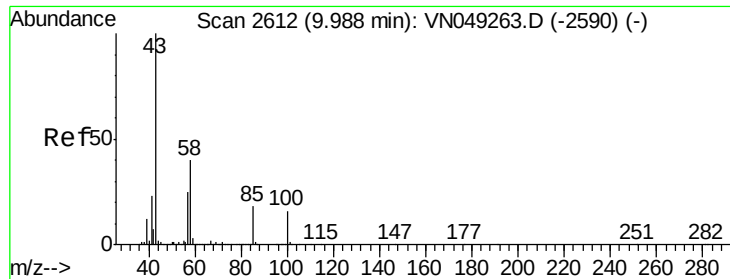
MMDadoda
6/19/2018 1:55:41 PM



#50
Toluene-d8
Concen: 41.433 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	98	Resp	2488015
Ion Ratio	Lower	Upper	
98	100		
100	63.8	49.8	74.8





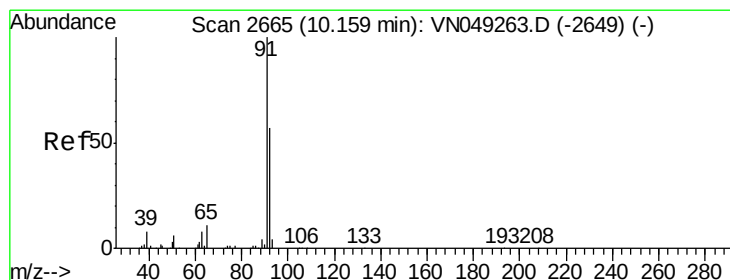
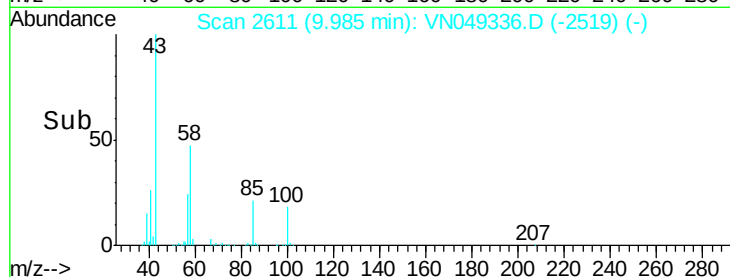
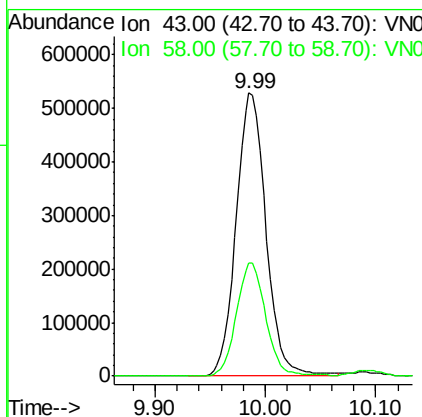
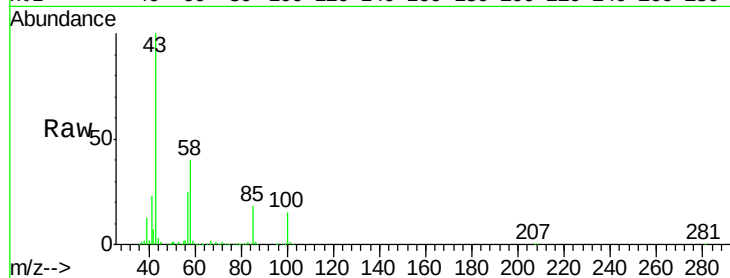
#51
4-Methyl-2-Pentanone
Concen: 81.208 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	29.0	43.6

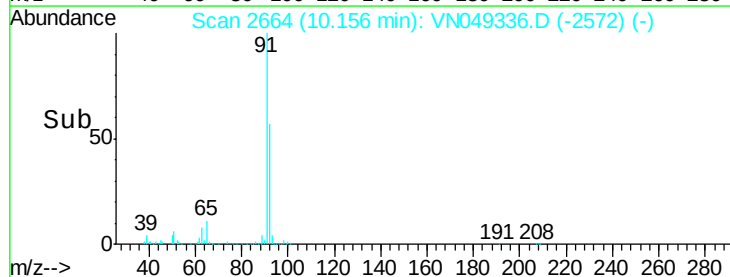
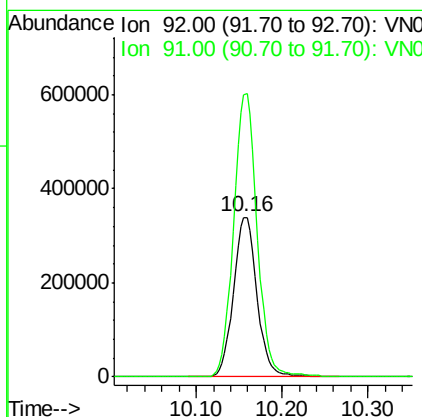
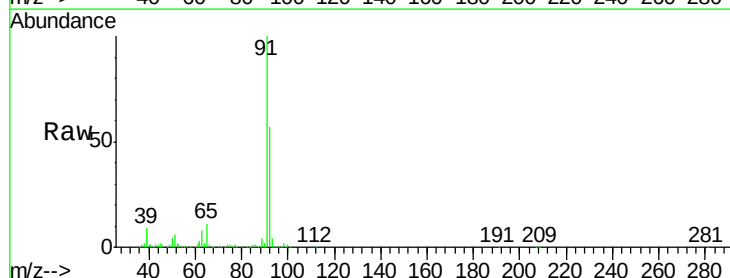
Manual Integrations
APPROVED

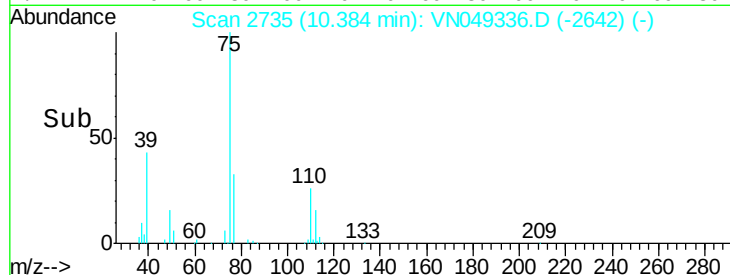
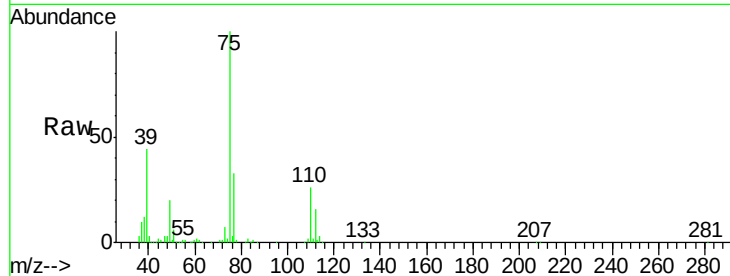
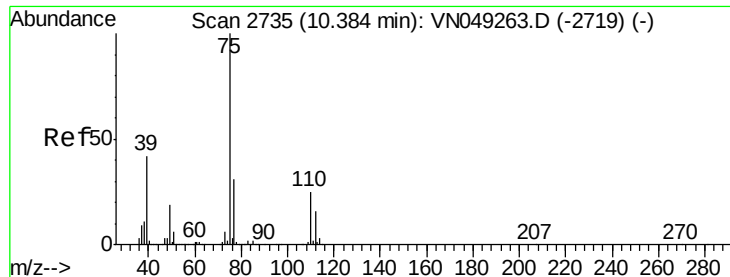
MMDadoda
6/19/2018 1:55:41 PM



#52
Toluene
Concen: 15.973 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.5	143.4	215.2





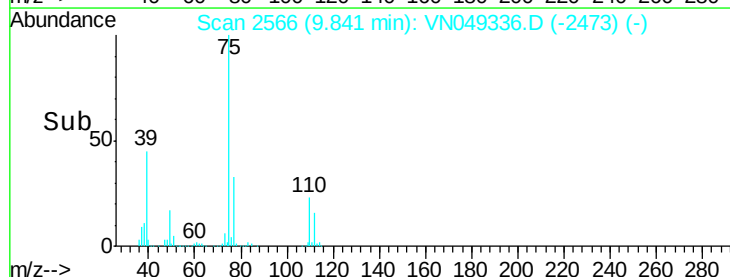
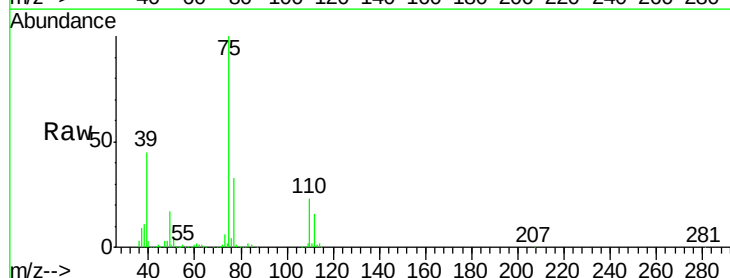
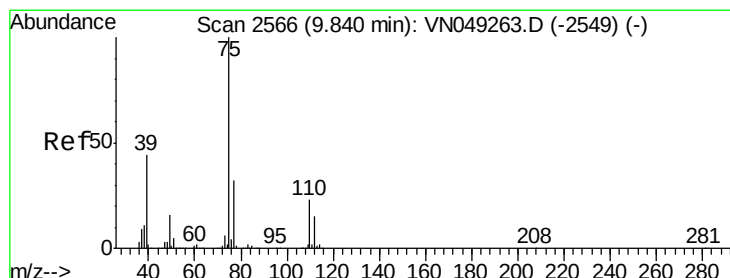
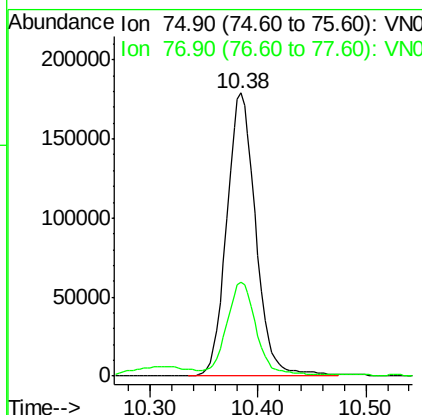
#53
t-1,3-Dichloropropene
Concen: 15.387 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.2	37.8

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBS01

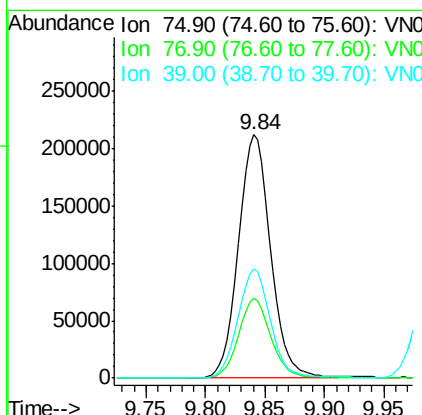
Manual Integrations
APPROVED

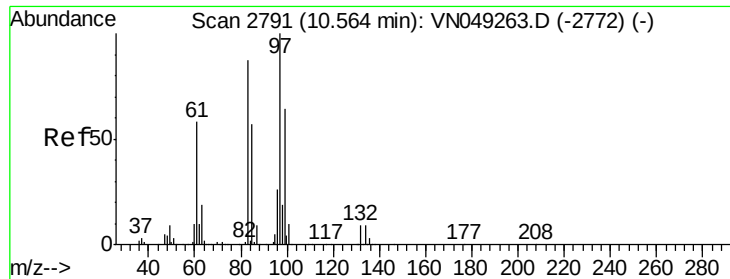
MMDadoda
6/19/2018 1:55:41 PM



#54
cis-1,3-Dichloropropene
Concen: 15.453 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.8	37.2
39	44.9	45.1	67.7#





#55

1,1,2-Trichloroethane

Concen: 15.708 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

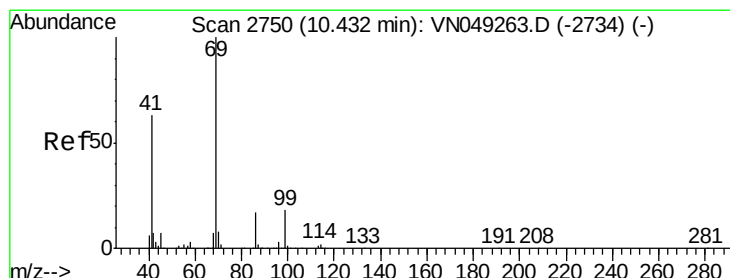
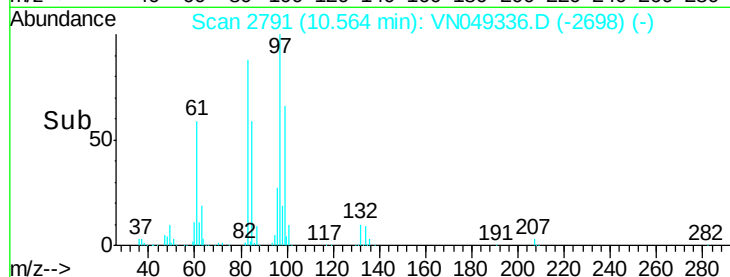
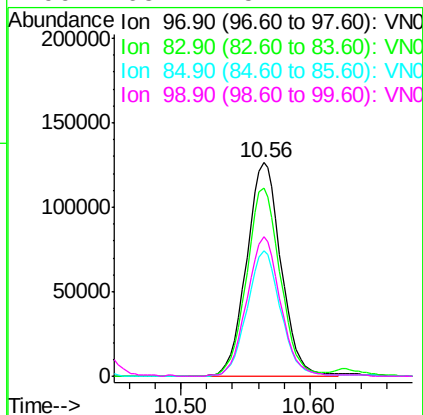
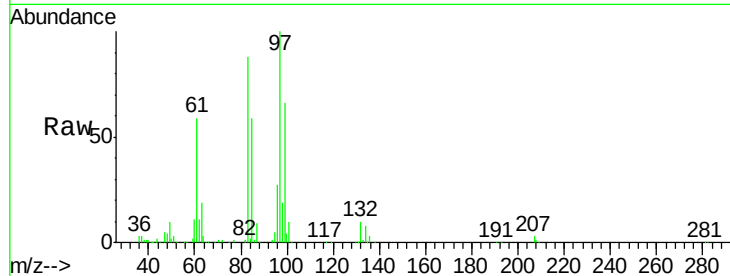
ClientSampleId :

VN0618MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		235404		
83	88.4	71.5	107.3		
85	58.7	47.0	70.4		
99	65.4	51.4	77.2		

Manual Integrations
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6/19/2018 1:55:41 PM



#56

Ethyl methacrylate

Concen: 15.499 ug/l

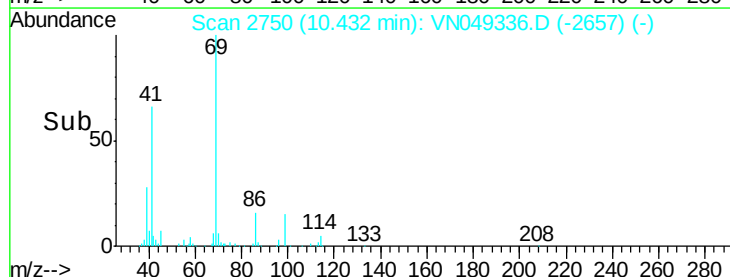
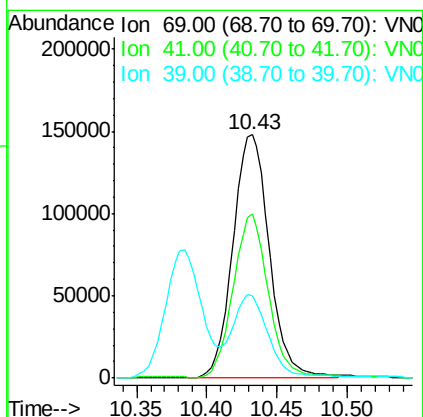
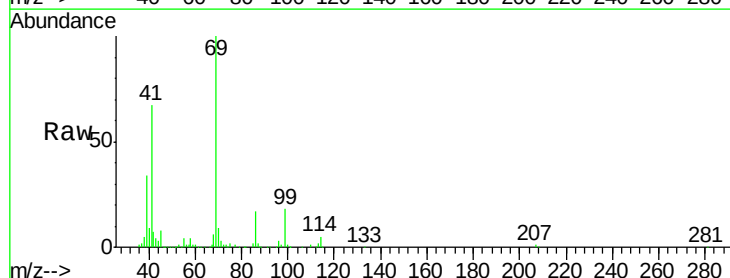
RT: 10.43 min Scan# 2750

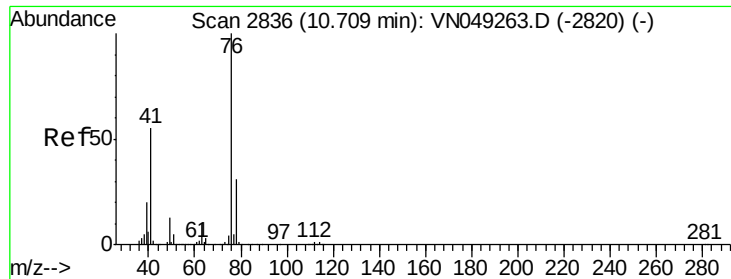
Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		267956		
41	64.5	58.4	87.6		
39	32.3	35.5	53.3#		





#57

1,3-Dichloropropane

Concen: 15.968 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBS01

Tot Ion: 76 Resp: 396432

Ion Ratio Lower Upper

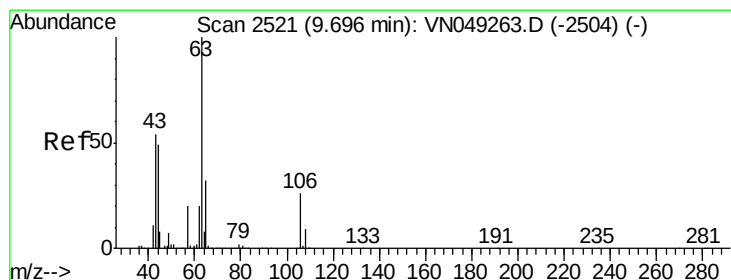
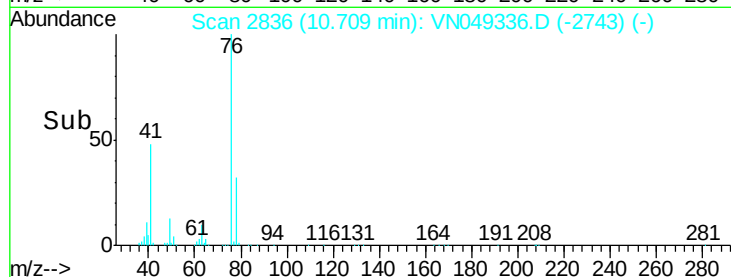
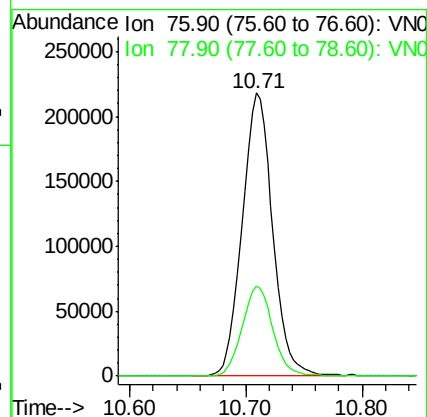
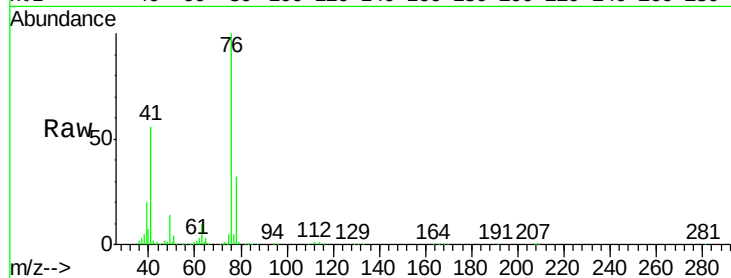
76 100

78 32.3 26.3 39.5

Manual Integrations
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6/19/2018 1:55:41 PM



#58

2-Chloroethyl Vinyl ether

Concen: 59.110 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049336.D

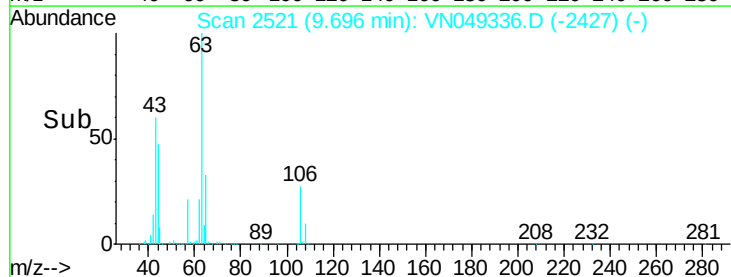
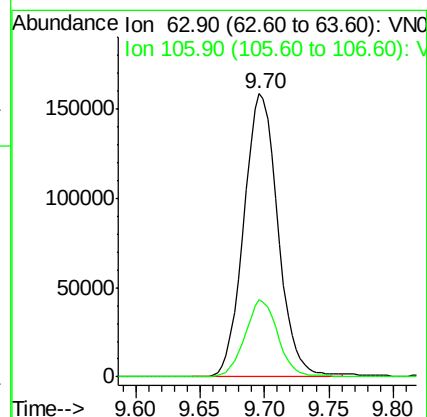
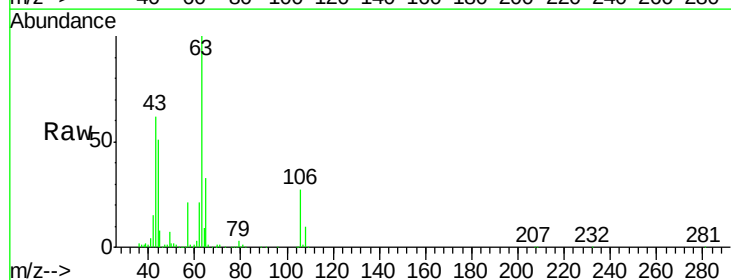
Acq: 18 Jun 2018 12:12

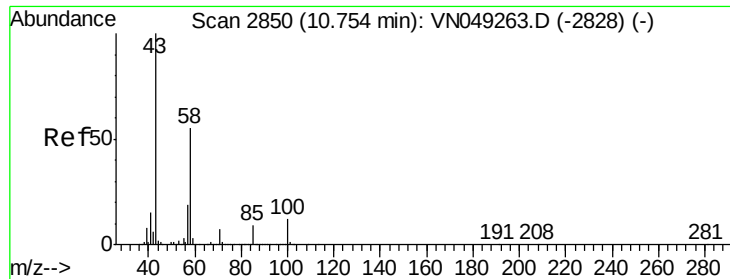
Tgt Ion: 63 Resp: 293627

Ion Ratio Lower Upper

63 100

106 26.5 19.4 29.2





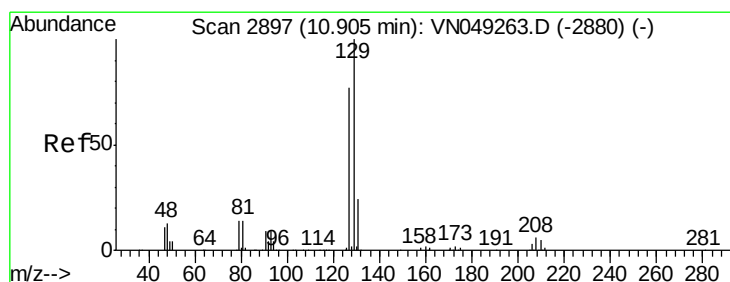
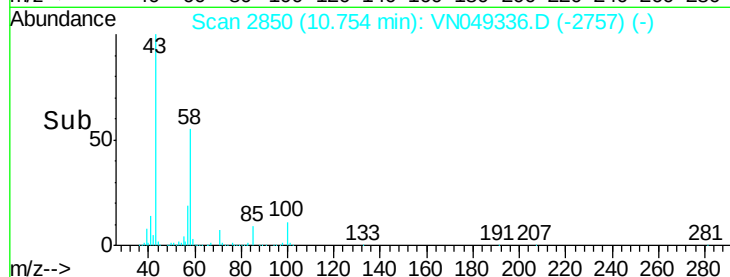
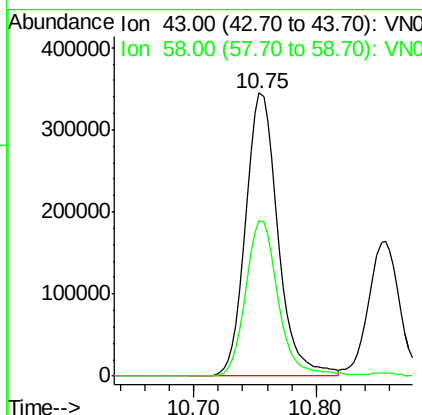
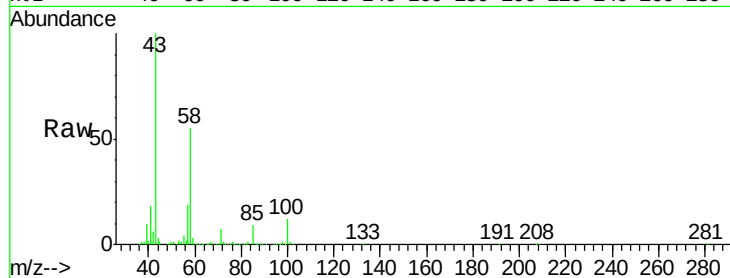
#59
2-Hexanone
Concen: 79.865 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	25.2	75.6

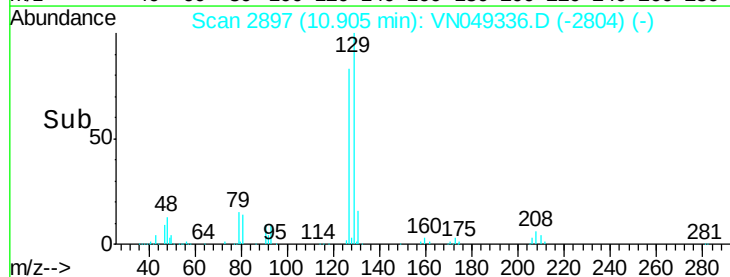
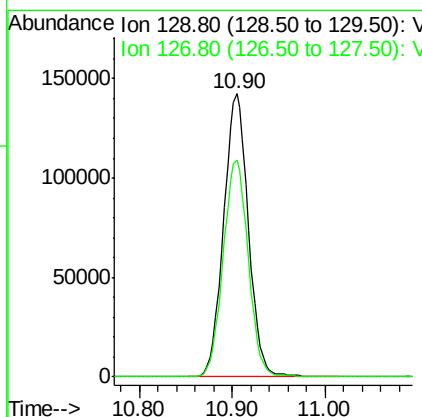
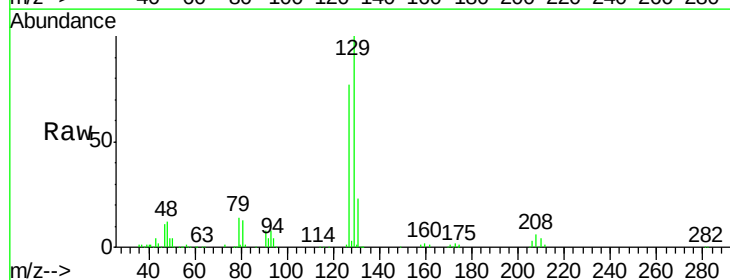
Manual Integrations
APPROVED

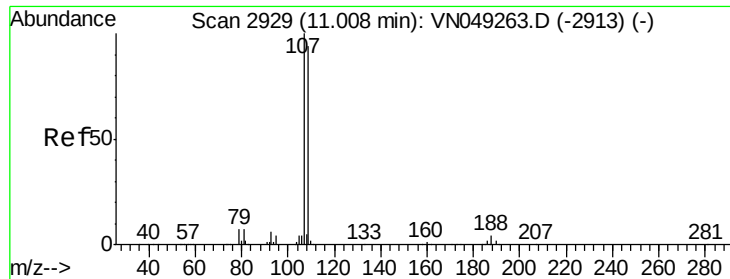
MMDadoda
6/19/2018 1:55:41 PM



#60
Dibromochloromethane
Concen: 15.742 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2





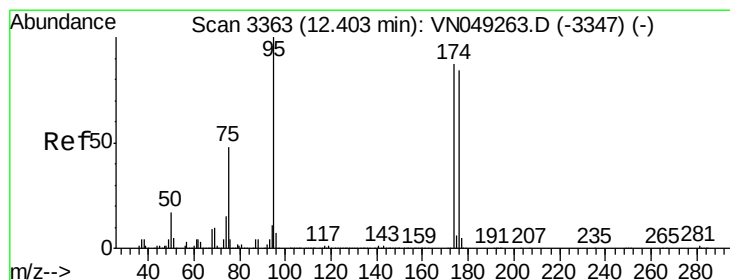
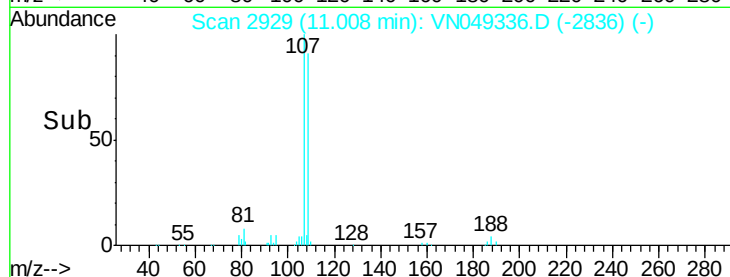
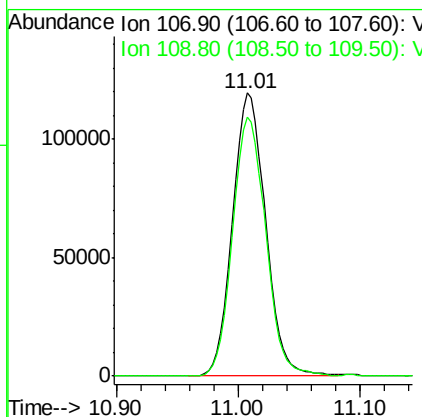
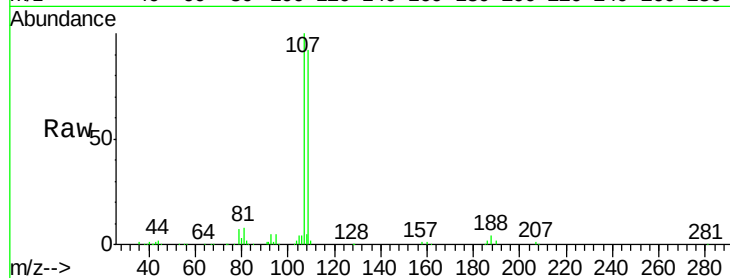
#61
 1,2-Dibromoethane
 Concen: 16.173 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.4	113.2

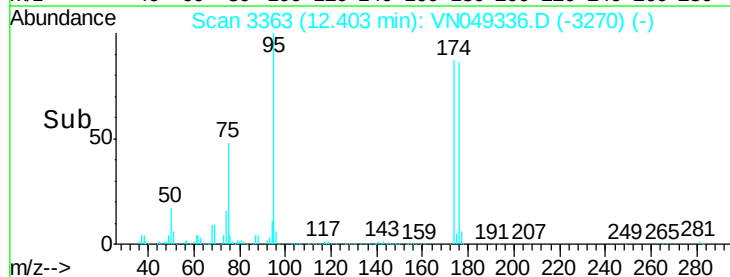
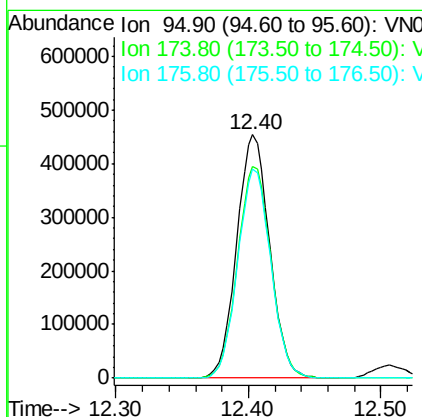
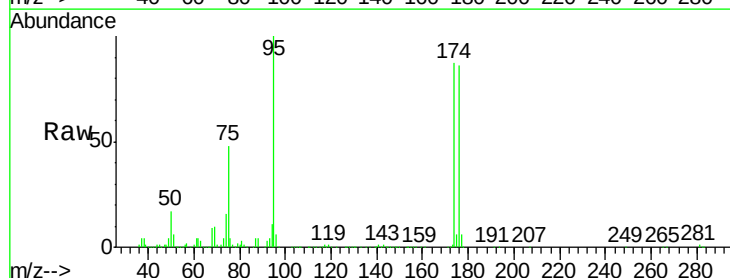
Manual Integrations
 APPROVED

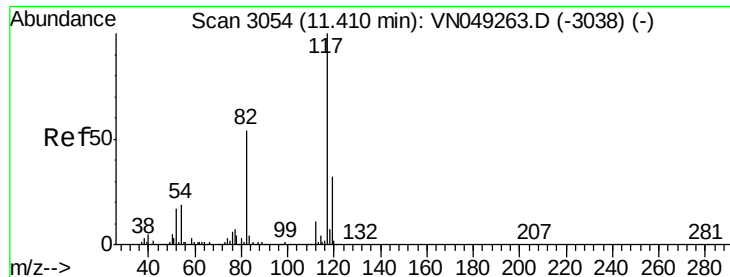
MMDadoda
 6/19/2018 1:55:41 PM



#62
 4-Bromofluorobenzene
 Concen: 39.341 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	165.6
176	86.3	0.0	157.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBS01

Tot Ion:117 Resp: 1724384

Ion Ratio Lower Upper

117 100

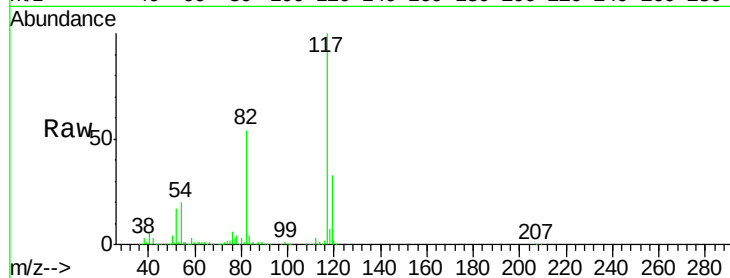
82 54.1 45.9 68.9

119 32.8 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

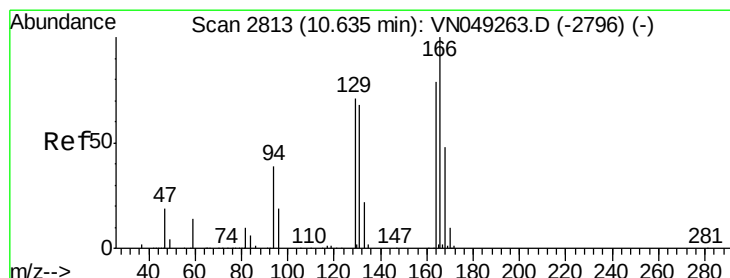
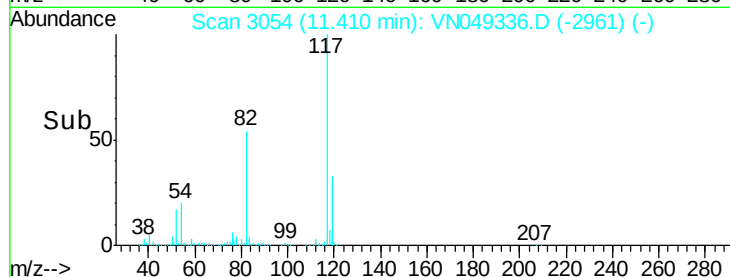
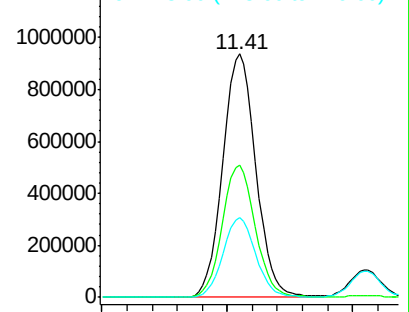
6/19/2018 1:55:41 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 16.629 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Tgt Ion:164 Resp: 293826

Ion Ratio Lower Upper

164 100

166 130.2 101.4 152.2

129 93.3 74.1 111.1

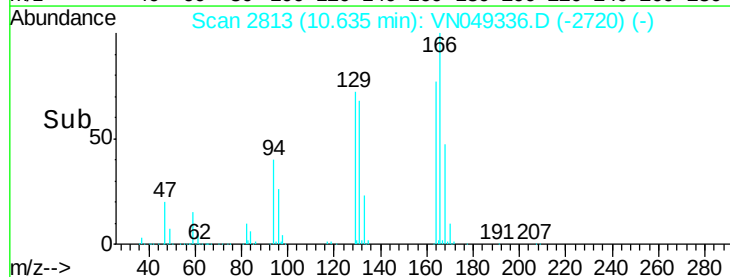
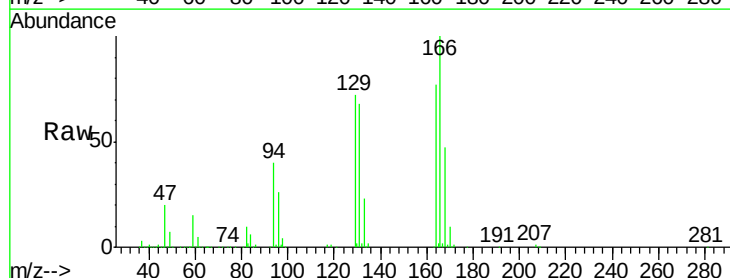
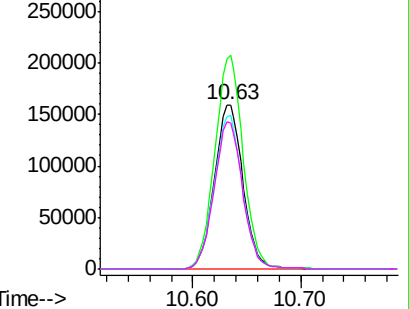
131 88.8 73.7 110.5

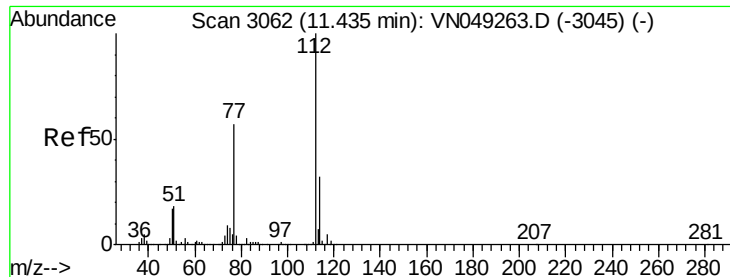
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 15.741 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBS01

Tot Ion:112 Resp: 699223

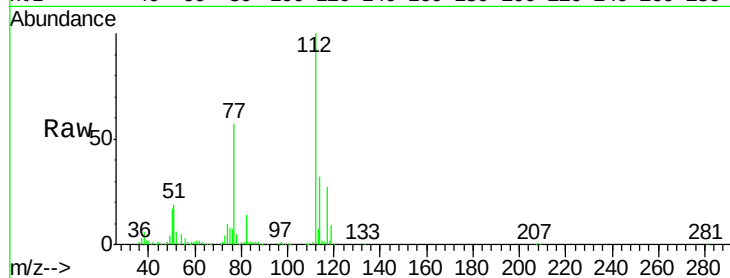
Ion Ratio Lower Upper

112 100

114 31.7 26.2 39.4

Manual Integrations
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6/19/2018 1:55:41 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

400000

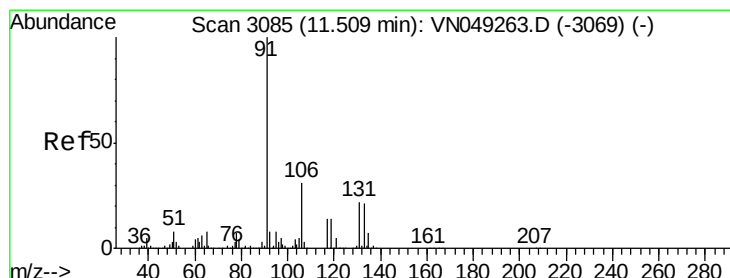
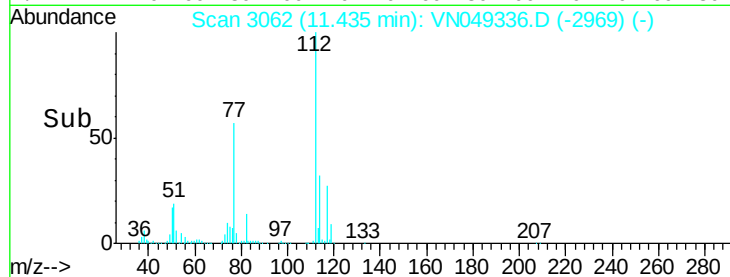
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 16.159 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

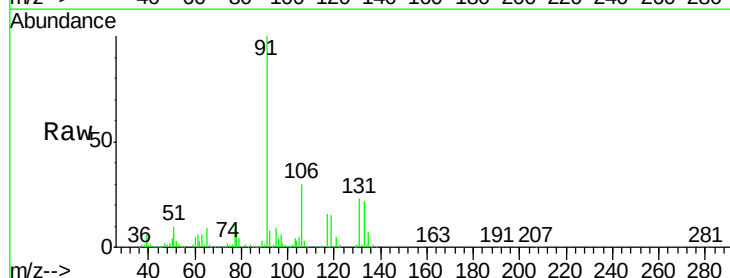
Tgt Ion:131 Resp: 270128

Ion Ratio Lower Upper

131 100

133 95.5 48.0 144.2

119 64.7 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

400000

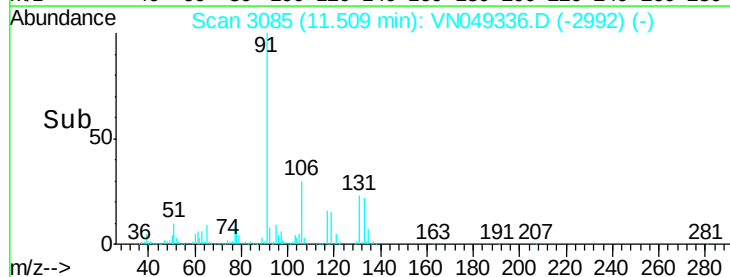
300000

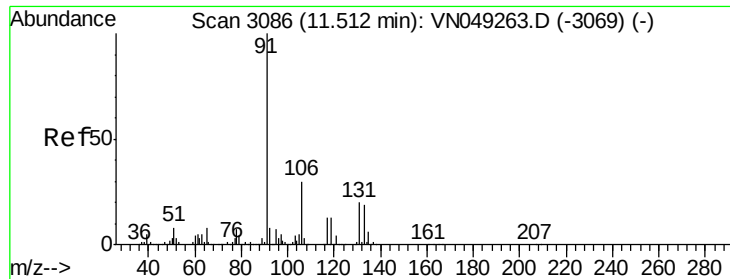
200000

100000

0

Time-->





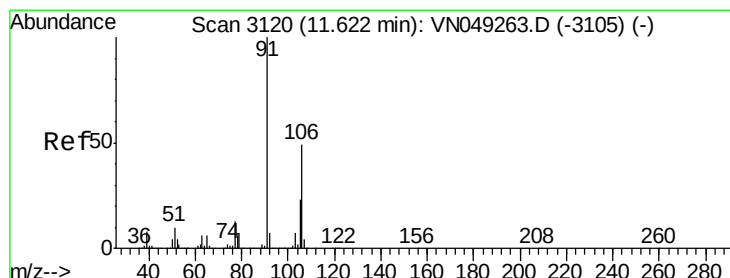
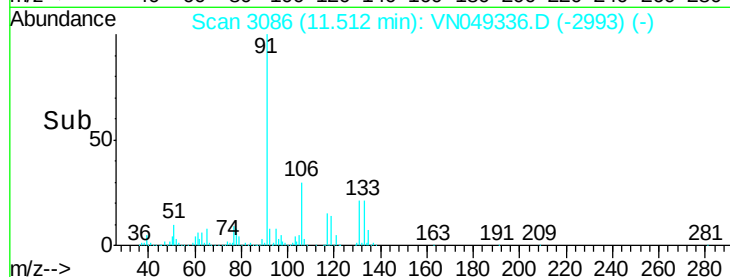
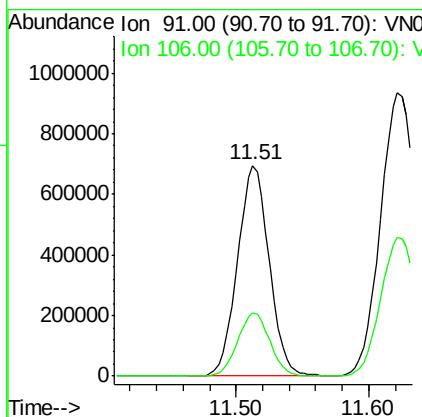
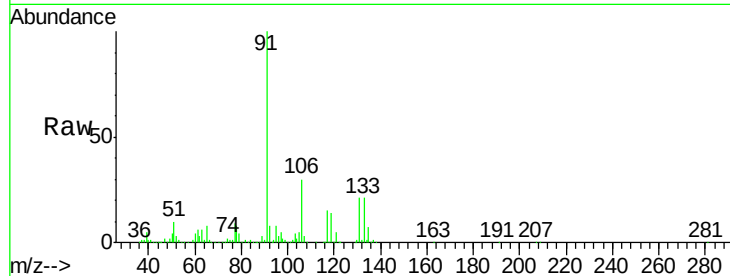
#67
Ethyl Benzene
Concen: 15.648 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0618MBS01

Tot Ion: 91 Resp: 1152982
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9

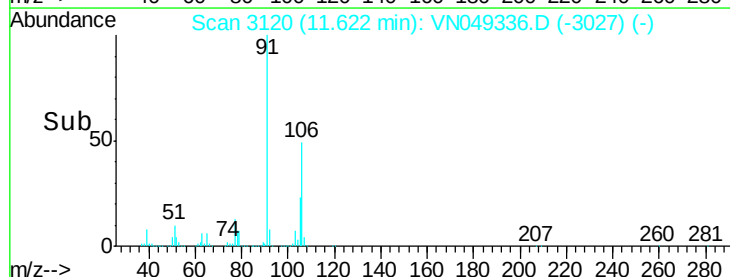
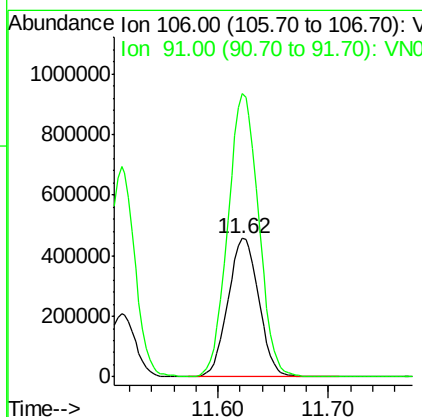
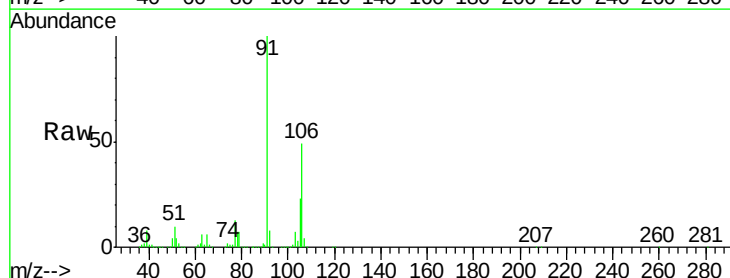
Manual Integrations
APPROVED

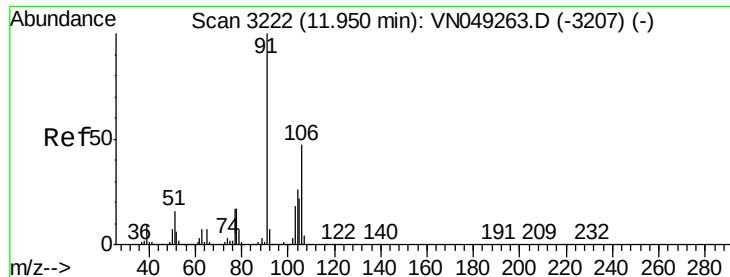
MMDadoda
6/19/2018 1:55:41 PM



#68
m/p-Xylenes
Concen: 32.075 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion: 106 Resp: 886941
Ion Ratio Lower Upper
106 100
91 203.2 167.3 250.9





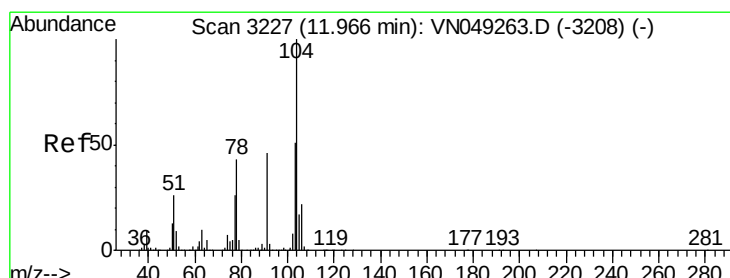
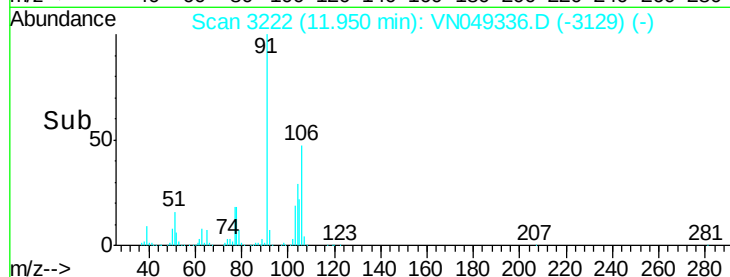
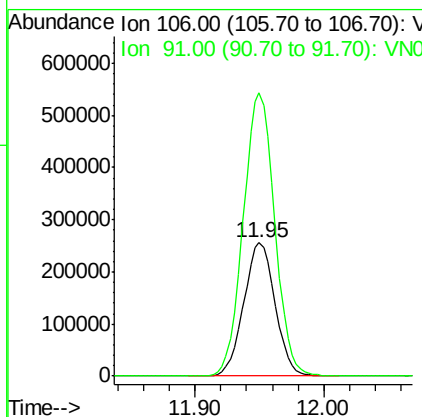
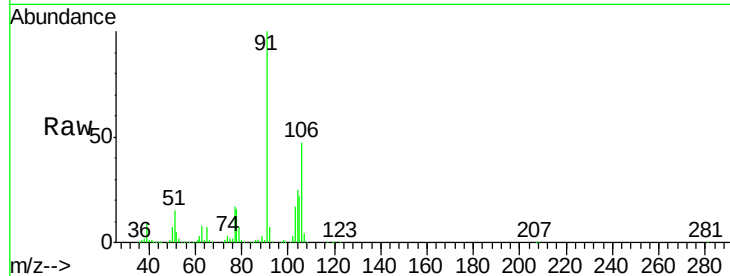
#69
o-Xylene
Concen: 16.283 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
433675	106	100			
	91	212.2	111.0	333.0	

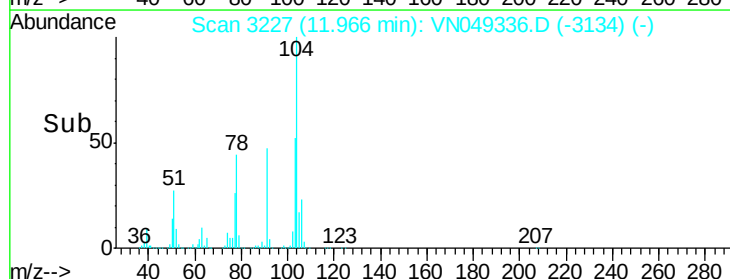
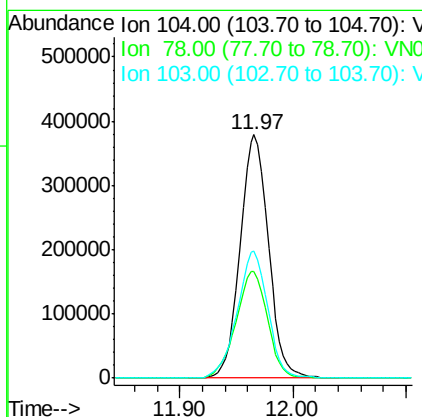
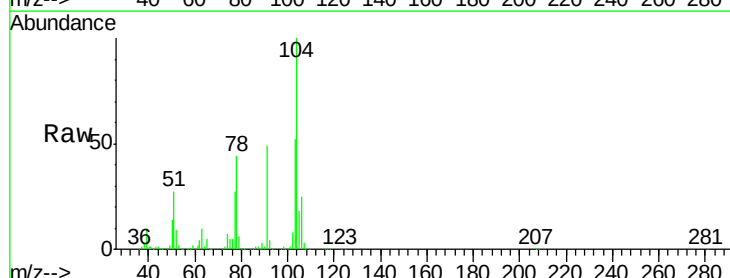
Manual Integrations
APPROVED

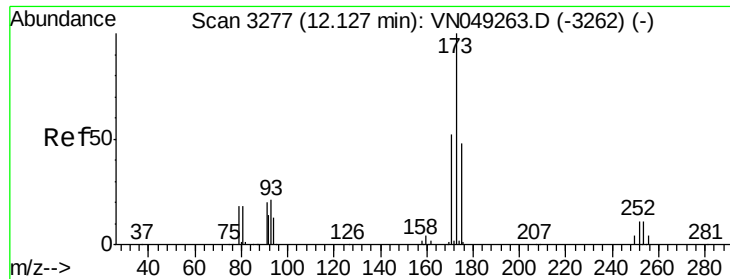
MMDadoda
6/19/2018 1:55:41 PM



#70
Styrene
Concen: 15.797 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
663755	104	100			
	78	48.9	41.6	62.4	
	103	56.3	45.4	68.2	





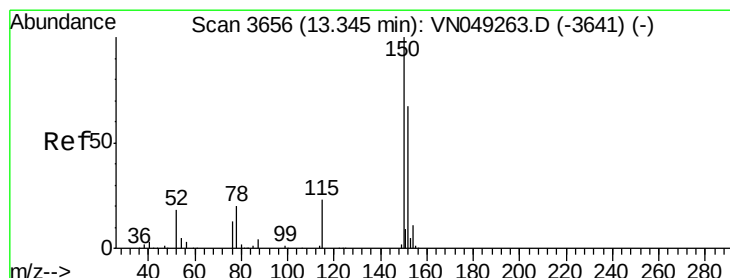
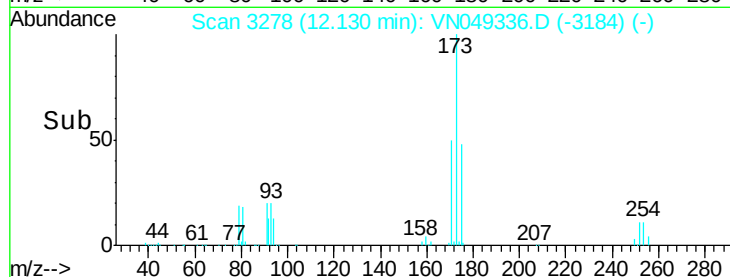
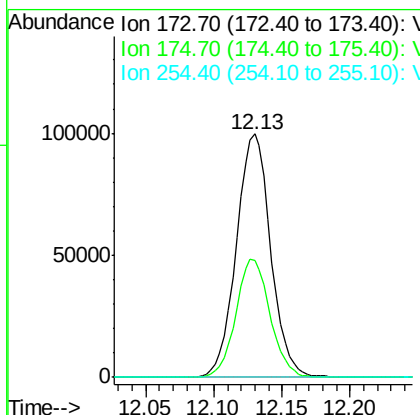
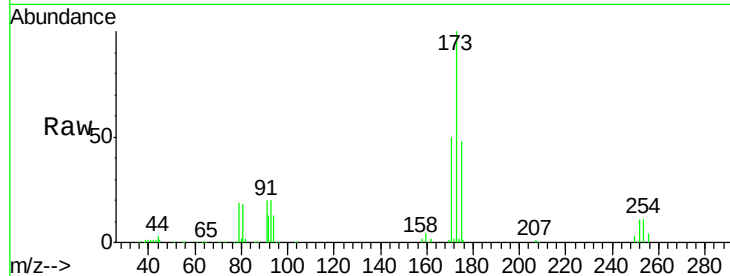
#71
Bromoform
Concen: 16.082 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBS01

Tot Ion	Ratio	Resp	Lower	Upper
173	100	174019		
175	48.3	24.5	73.5	
254	0.0	0.1	0.1#	

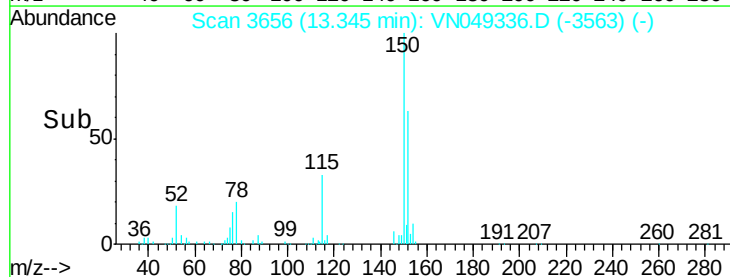
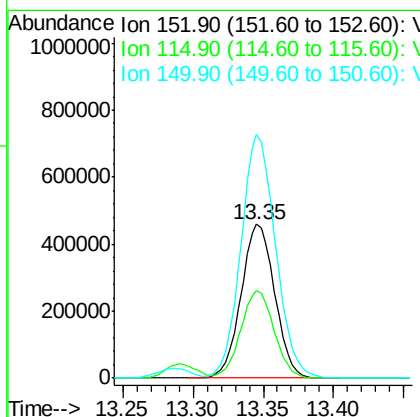
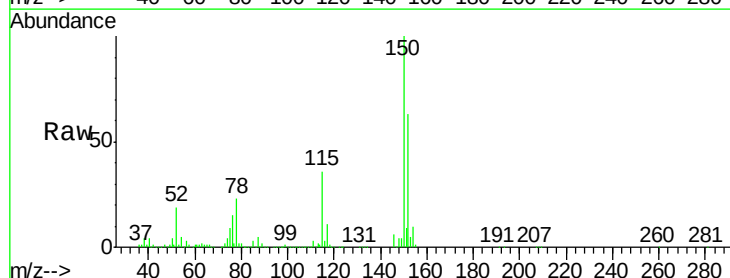
Manual Integrations
APPROVED

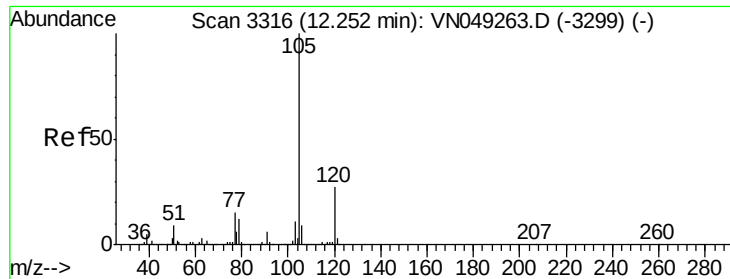
MMDadoda
6/19/2018 1:55:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	766842		
115	56.2	28.7	86.1	
150	163.3	0.0	351.0	





#73

Isopropylbenzene

Concen: 16.734 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBS01

Tot Ion:105 Resp: 1126732

Ion Ratio Lower Upper

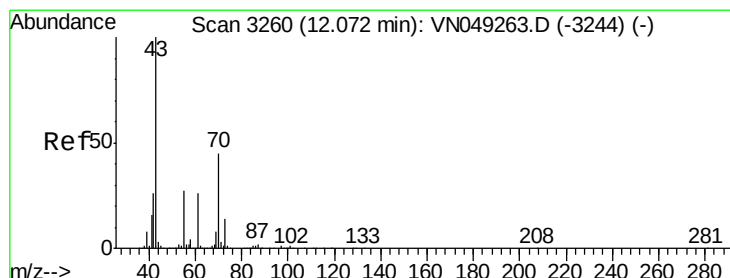
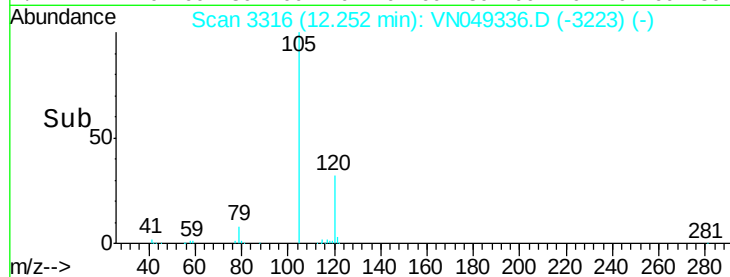
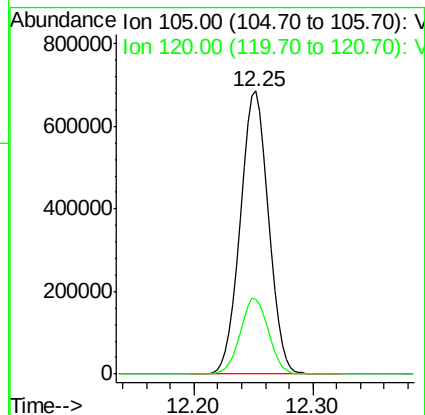
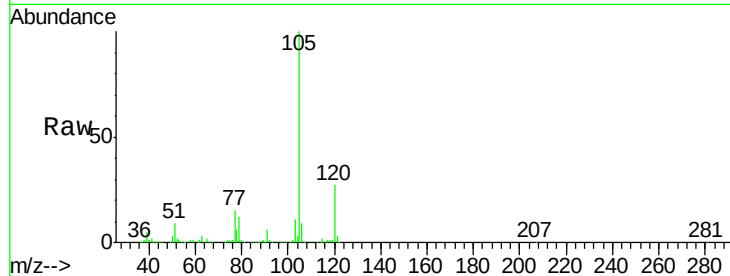
105 100

120 26.8 12.8 38.3

Manual Integrations
APPROVED

MMDadoda

6/19/2018 1:55:41 PM



#74

N-ethyl acetate

Concen: 15.473 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Tgt Ion: 43 Resp: 255181

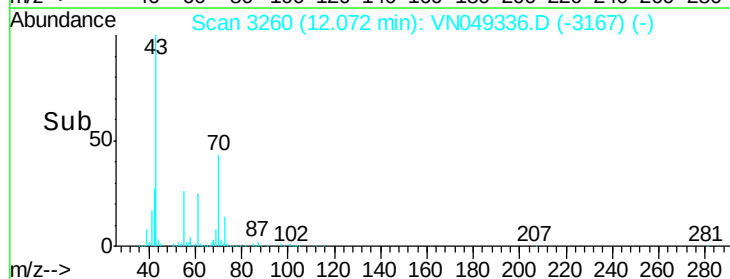
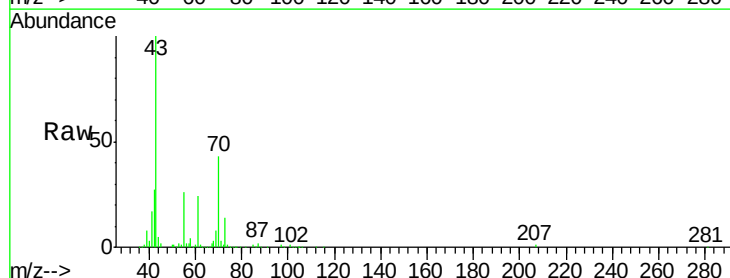
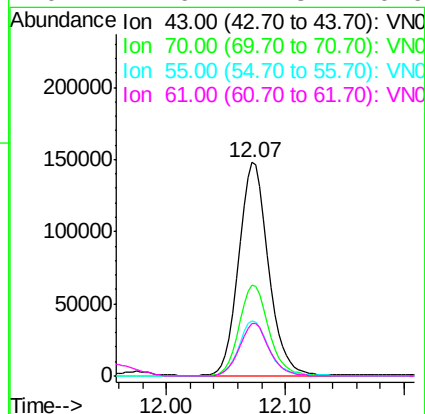
Ion Ratio Lower Upper

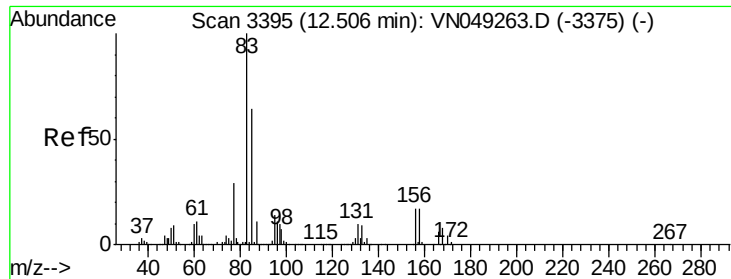
43 100

70 42.6 30.3 45.5

55 26.1 19.4 29.2

61 24.6 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.088 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

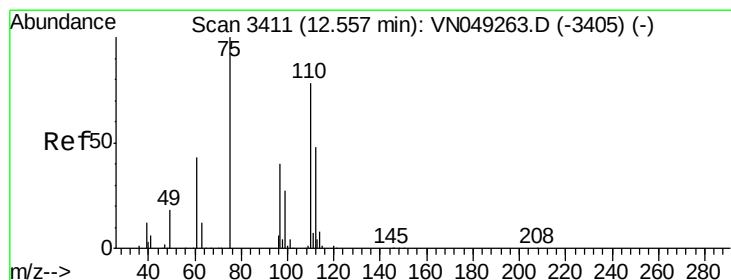
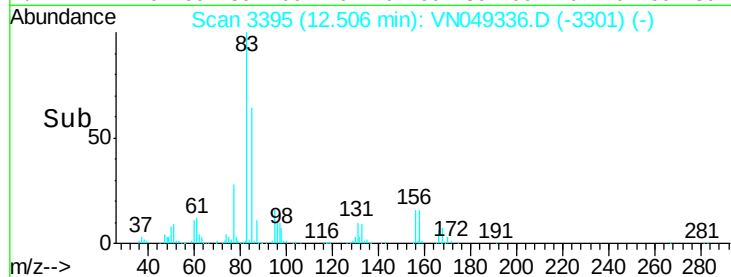
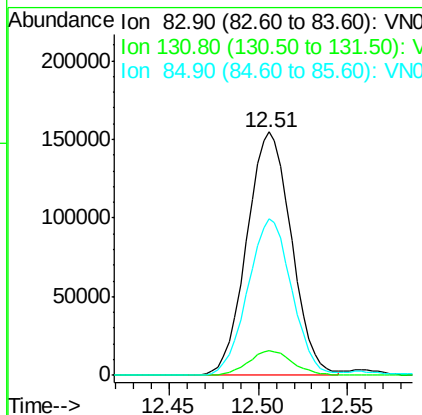
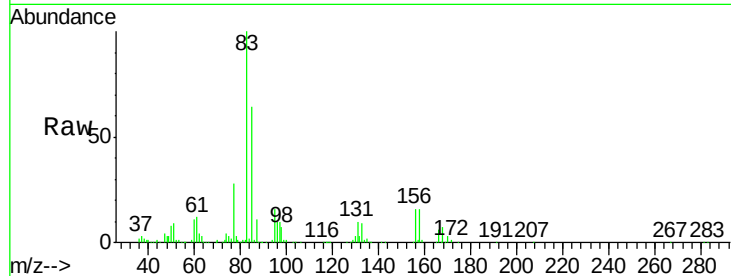
ClientSampleId :

VN0618MBS01

Tot Ion:	83	Resp:	270344
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	63.4	32.0	96.0

Manual Integrations
APPROVED

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6/19/2018 1:55:41 PM



#76

1,2,3-Trichloropropane

Concen: 18.492 ug/l m

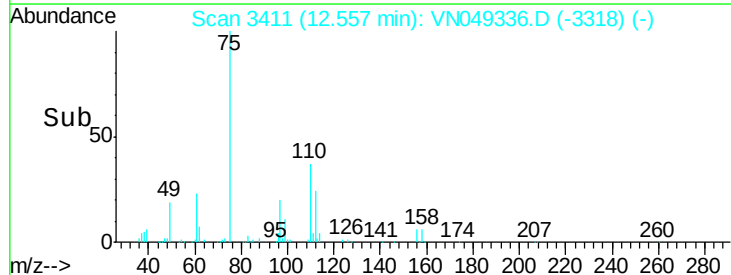
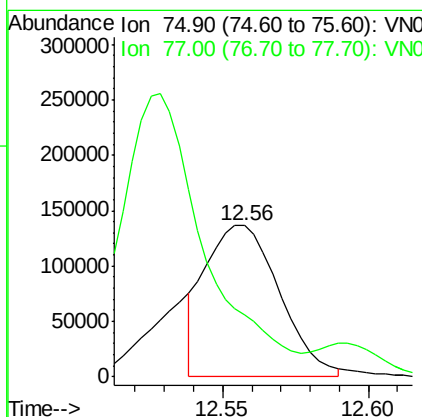
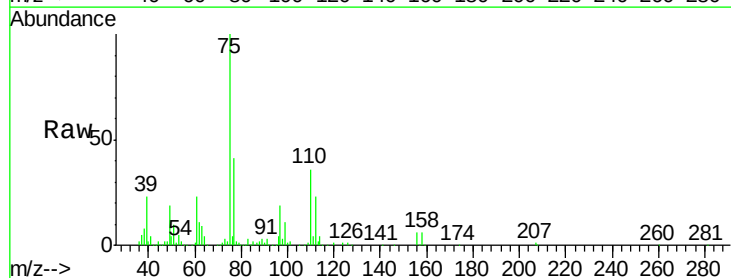
RT: 12.56 min Scan# 3411

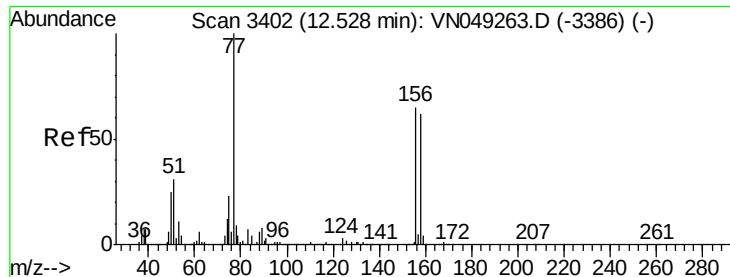
Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Tgt Ion:	75	Resp:	241952
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 16.089 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

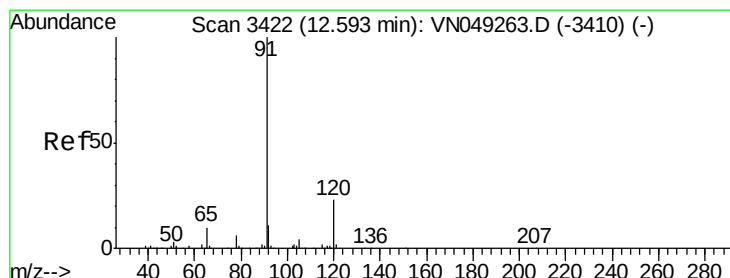
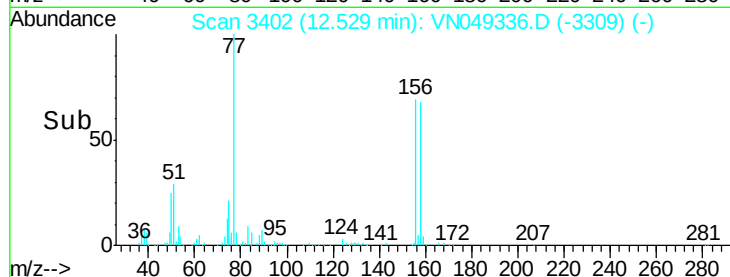
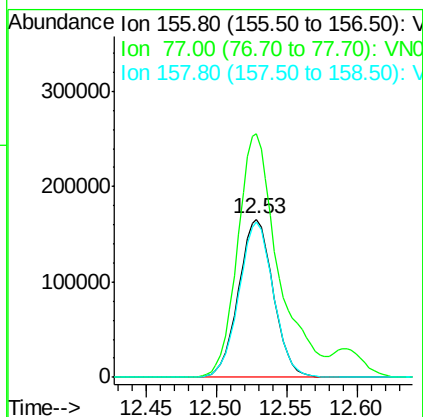
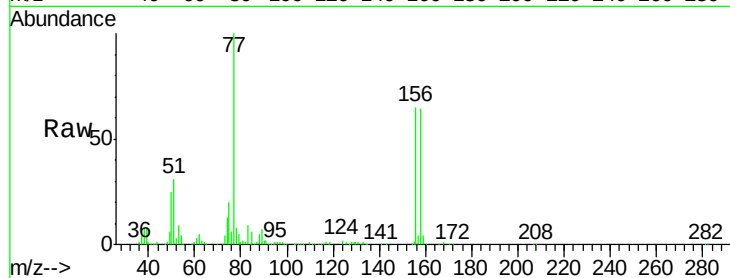
ClientSampleId :

VN0618MBS01

Tot Ion:	156	Resp:	286136
Ion Ratio	Lower	Upper	
156	100		
77	180.5	100.8	302.4
158	97.6	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 16.614 ug/l

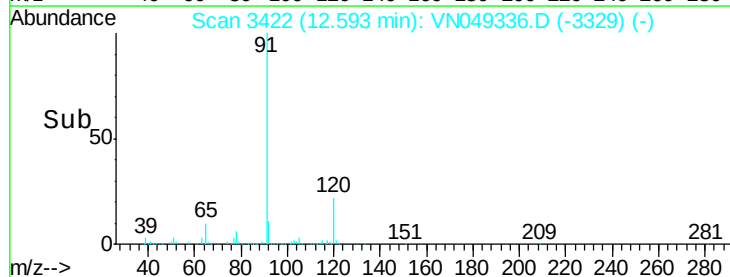
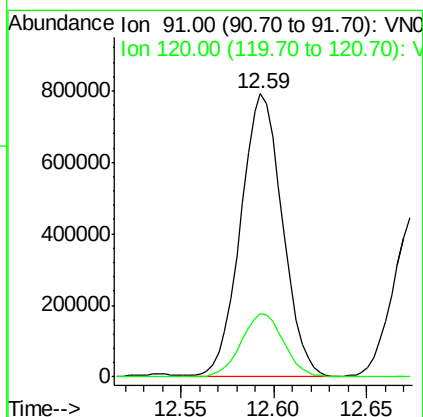
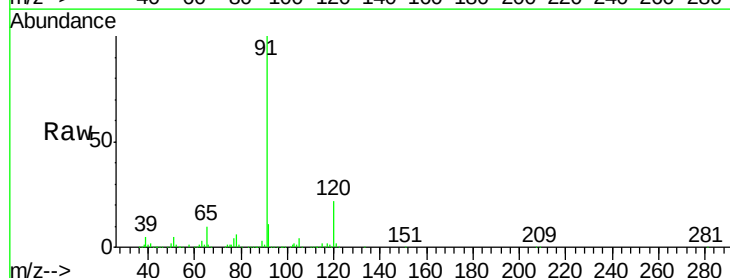
RT: 12.59 min Scan# 3422

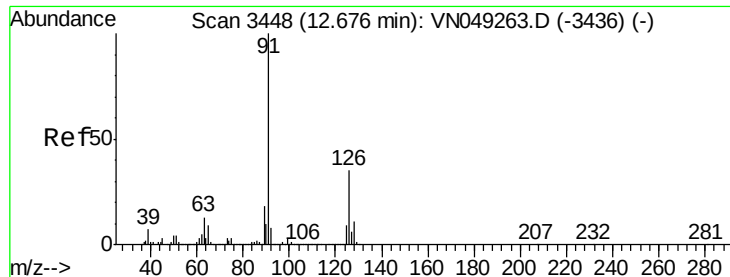
Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Tgt Ion:	91	Resp:	1228241
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.2	33.5





#79

2-Chlorotoluene

Concen: 16.456 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBS01

Tot Ion: 91 Resp: 770838

Ion Ratio Lower Upper

91 100

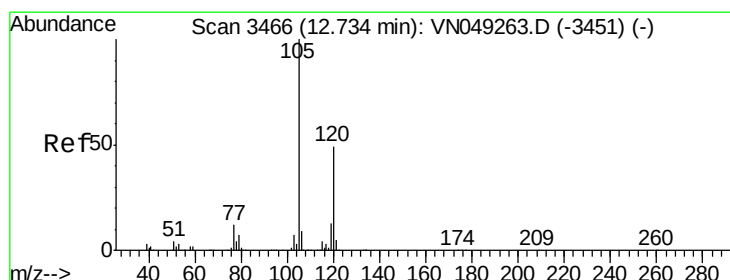
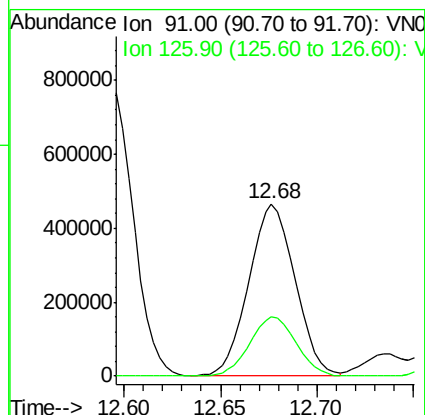
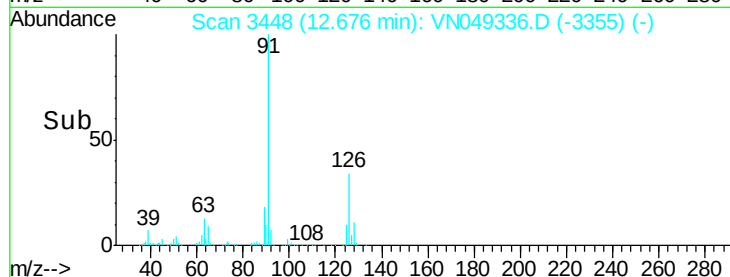
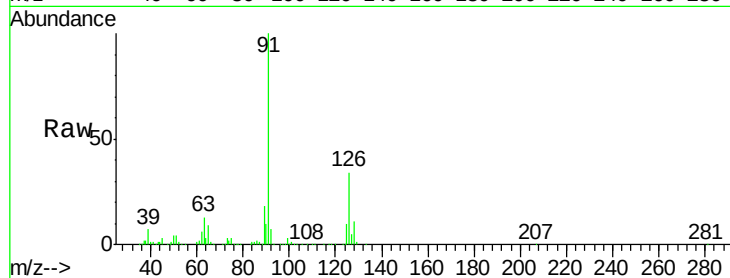
126 34.9 16.6 49.8

Manual Integrations

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6/19/2018 1:55:41 PM



#80

1,3,5-Trimethylbenzene

Concen: 16.952 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049336.D

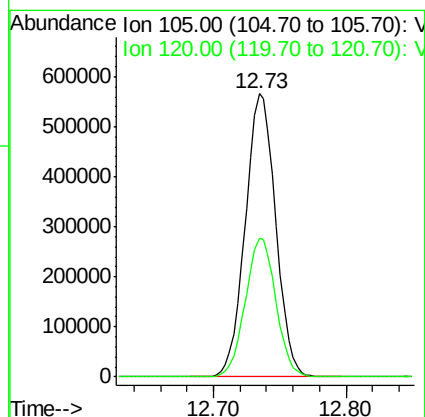
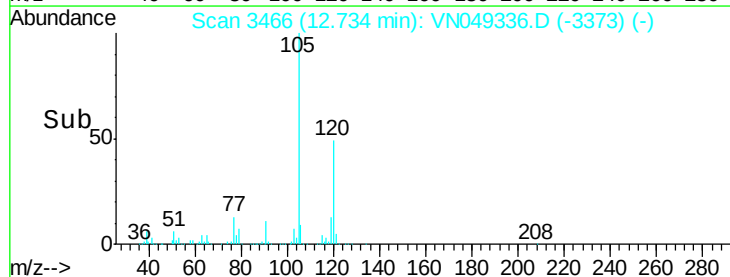
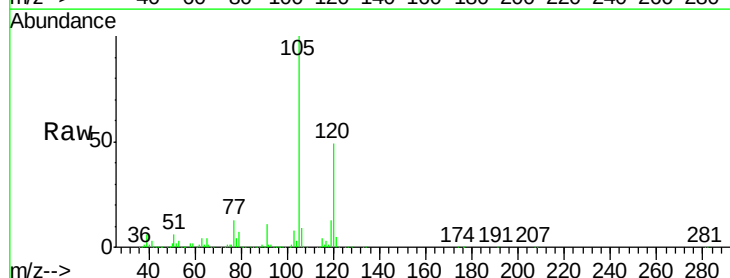
Acq: 18 Jun 2018 12:12

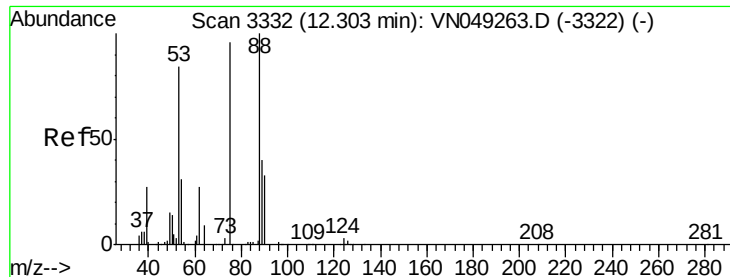
Tgt Ion: 105 Resp: 897154

Ion Ratio Lower Upper

105 100

120 49.1 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 16.365 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

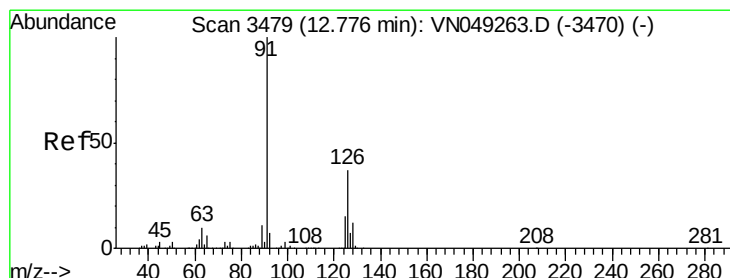
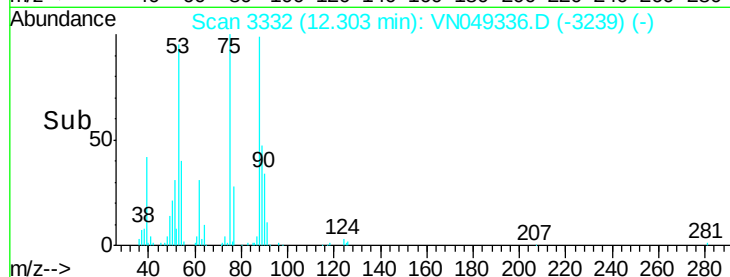
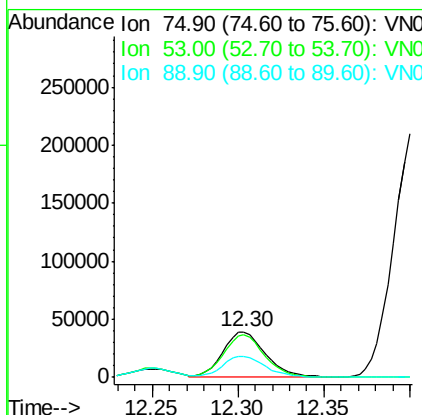
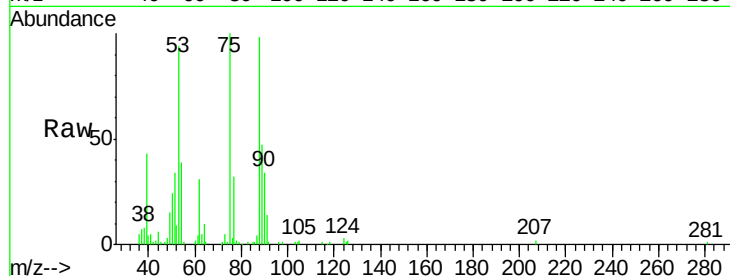
ClientSampleId :

VN0618MBS01

Tot Ion:	75	Resp:	67751
Ion	Ratio	Lower	Upper
75	100		
53	90.0	82.7	124.1
89	46.8	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 16.440 ug/l

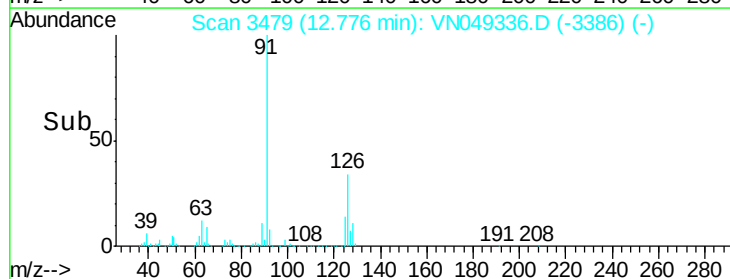
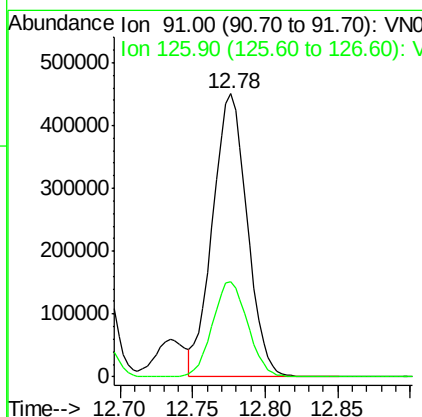
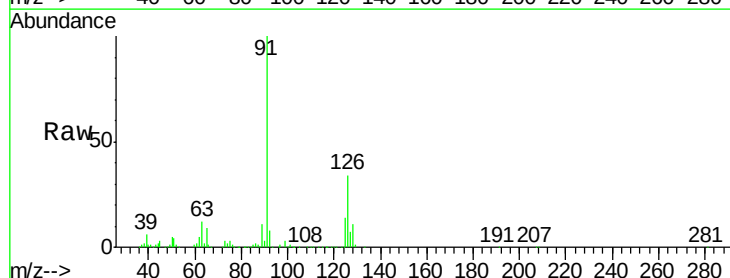
RT: 12.78 min Scan# 3479

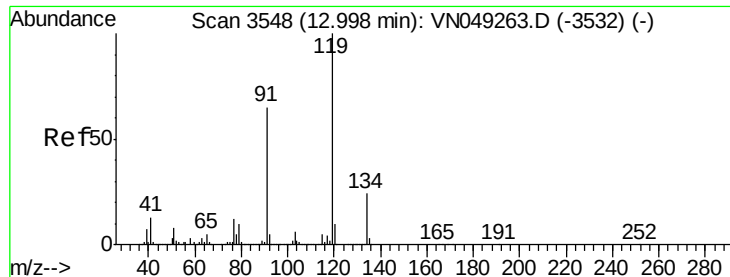
Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Tgt Ion:	91	Resp:	742961
Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.4	49.1





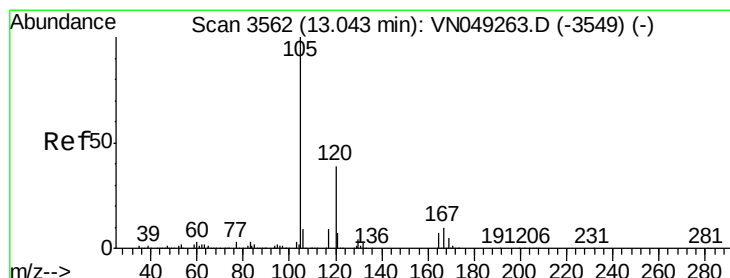
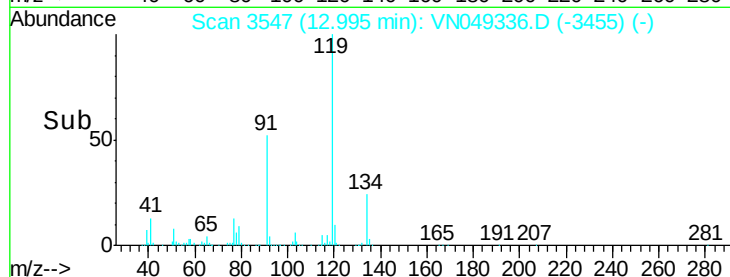
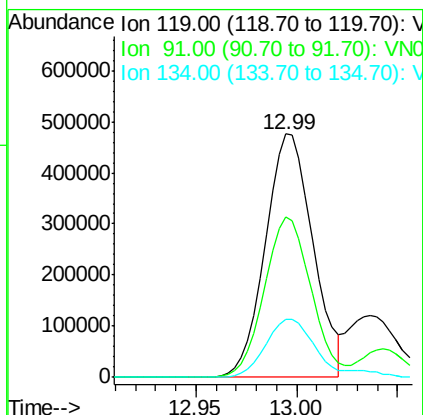
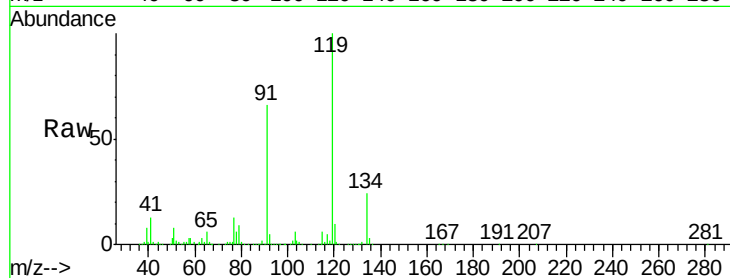
#83
 tert-Butylbenzene
 Concen: 16.645 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	33.7	101.0
134	26.2	12.9	38.6

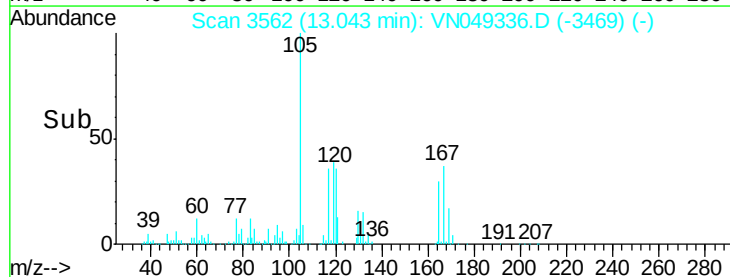
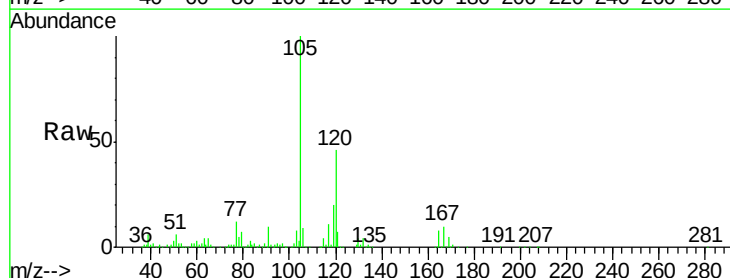
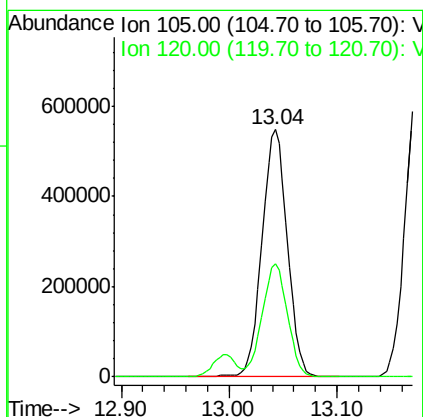
Manual Integrations
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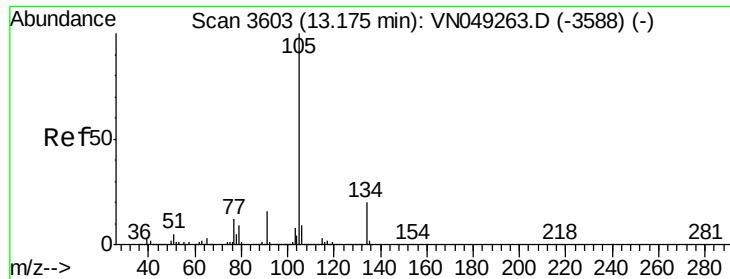
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 16.921 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.2	66.6





#85

sec-Butylbenzene

Concen: 16.474 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBS01

Tot Ion:105 Resp: 1028034

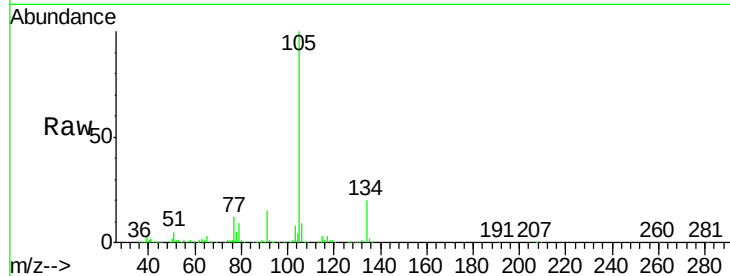
Ion Ratio Lower Upper

105 100

134 20.4 9.8 29.3

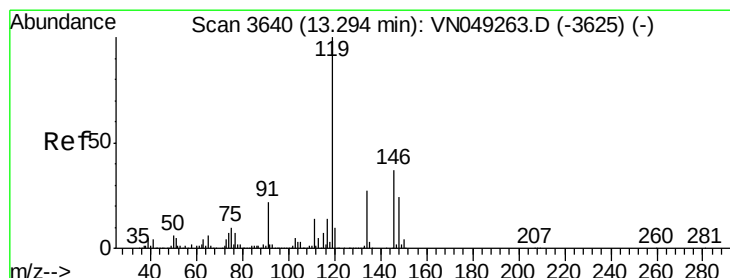
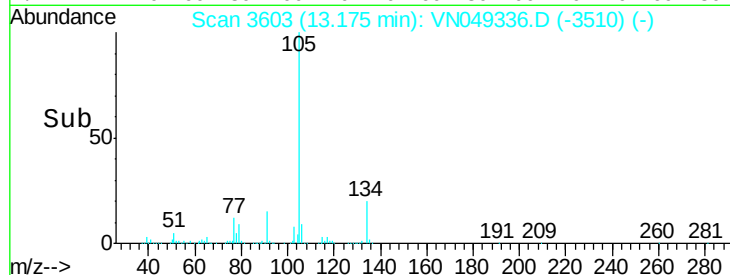
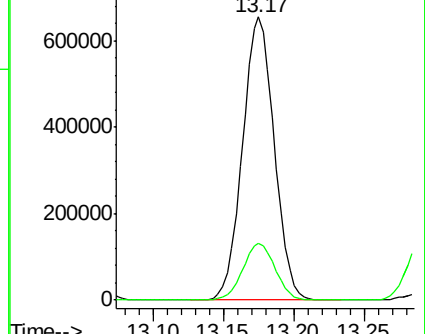
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.311 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

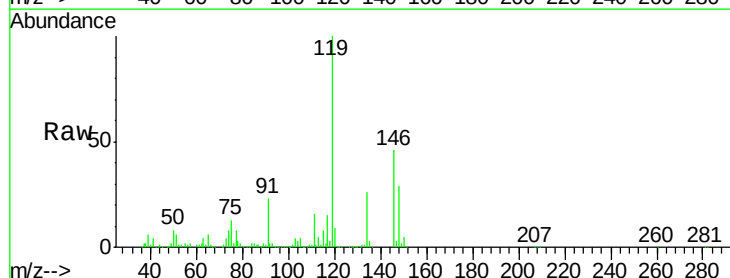
Tgt Ion:119 Resp: 850387

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

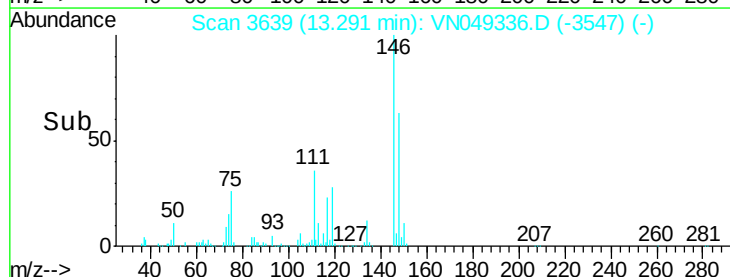
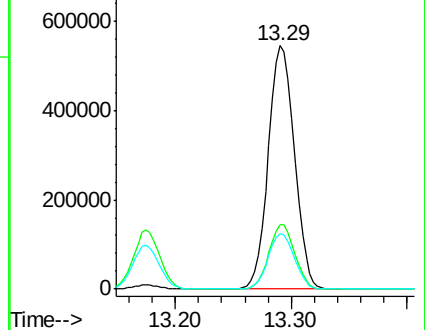
91 22.9 12.1 36.3

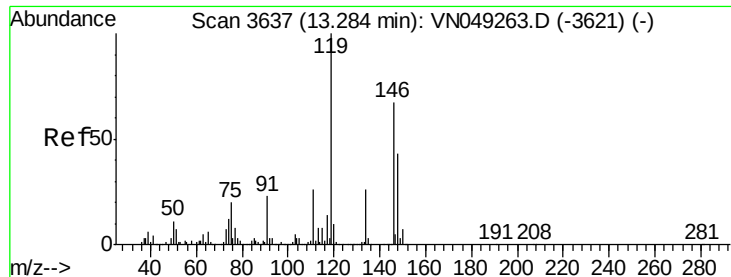


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





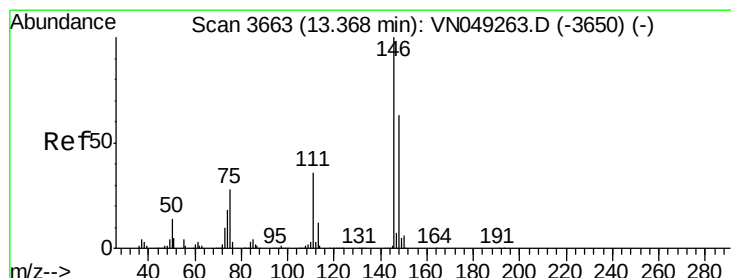
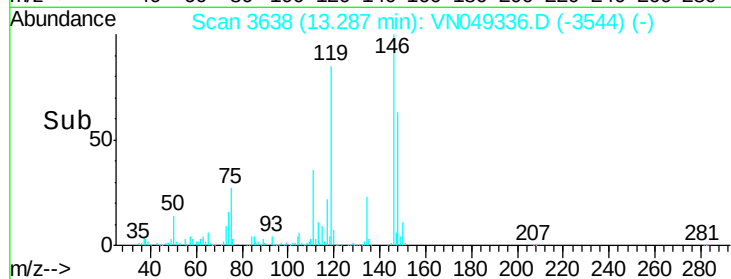
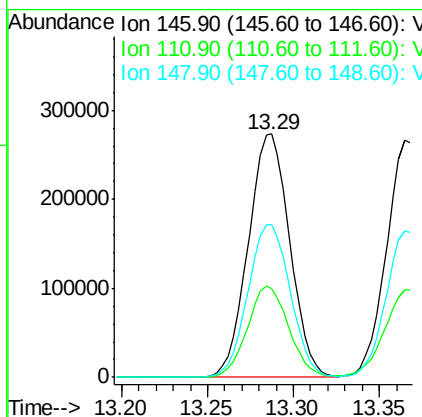
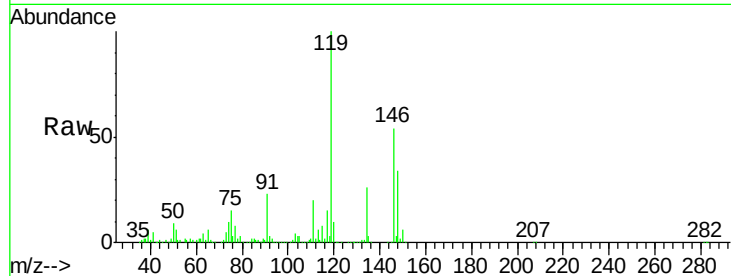
#87
 1,3-Dichlorobenzene
 Concen: 15.636 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.9	59.6
148	64.2	32.1	96.5

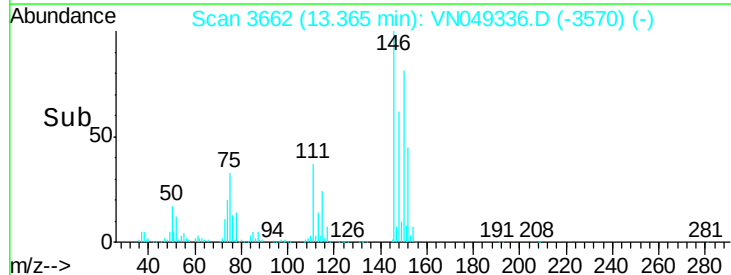
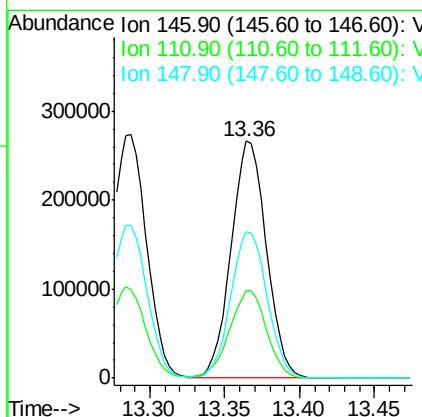
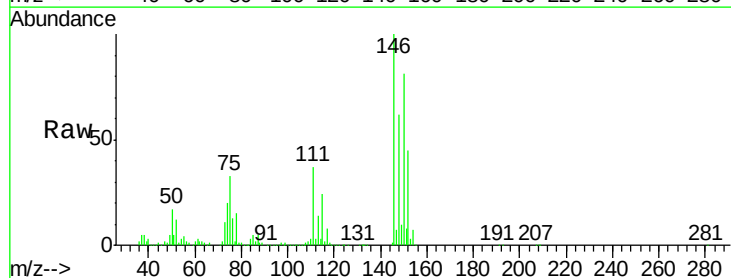
Manual Integrations
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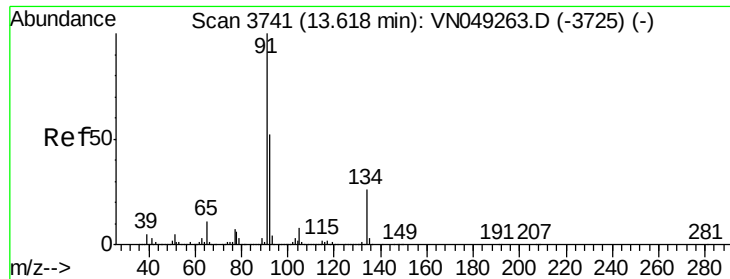
MMDadoda
 6/19/2018 1:55:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 15.102 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	63.6	32.0	96.2





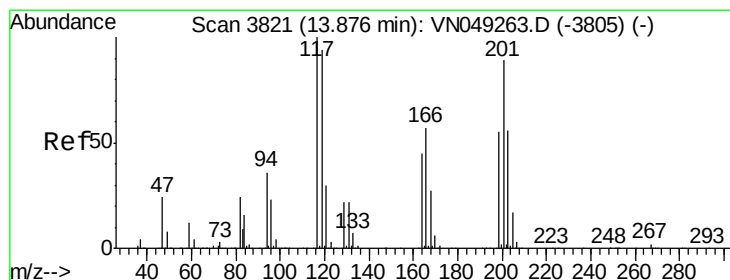
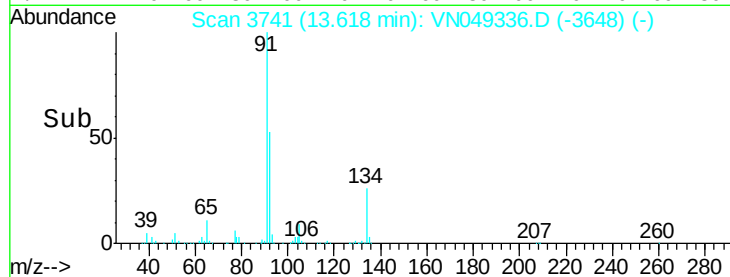
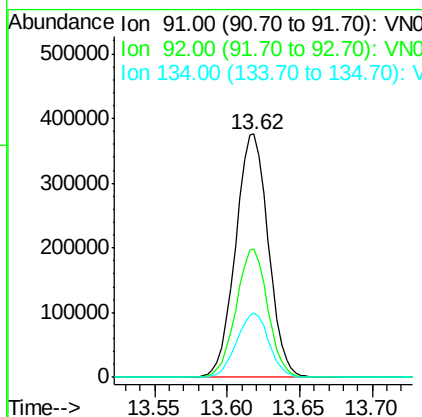
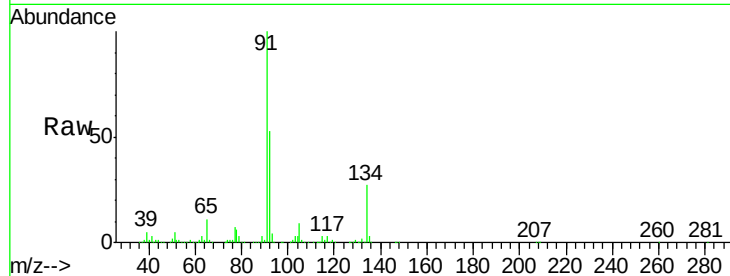
#89
n-Butylbenzene
Concen: 14.484 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		589831		
92	51.0	25.1	75.4		
134	26.1	12.0	36.0		

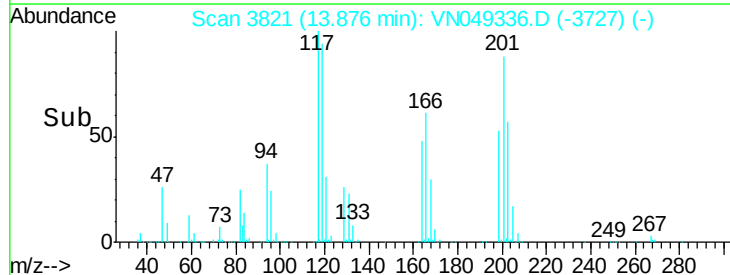
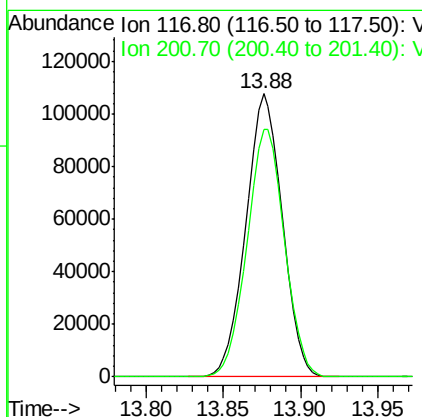
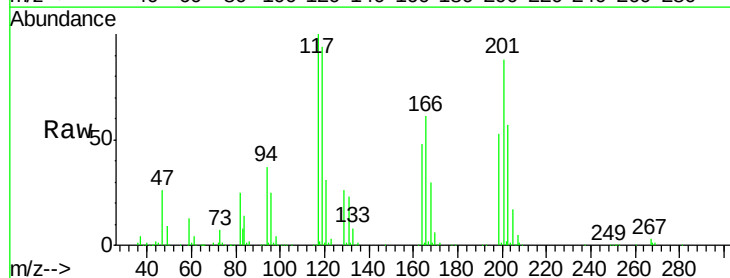
Manual Integrations
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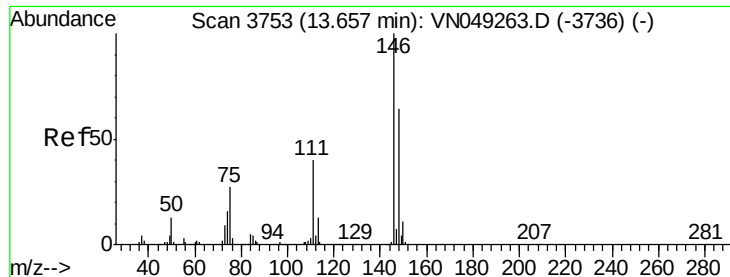
MMDadoda
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#90
Hexachloroethane
Concen: 16.827 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049336.D
Acq: 18 Jun 2018 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		177144		
201	89.8	40.1	120.2		





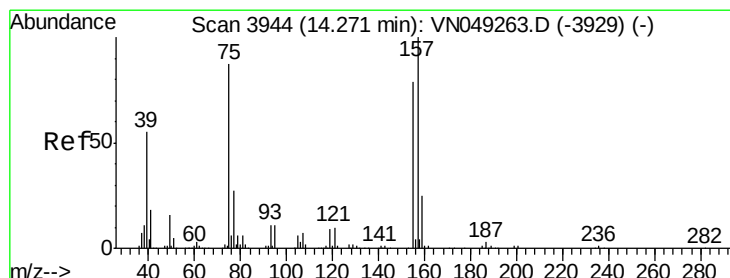
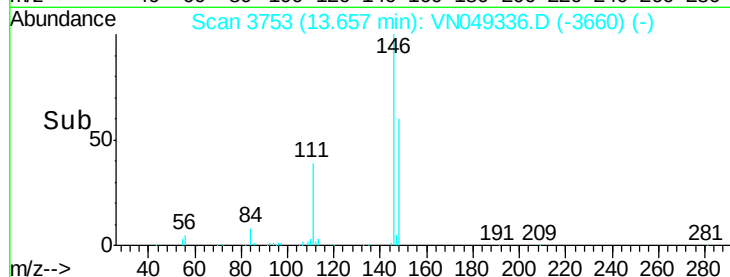
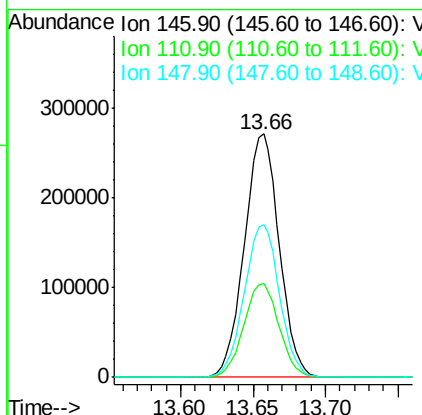
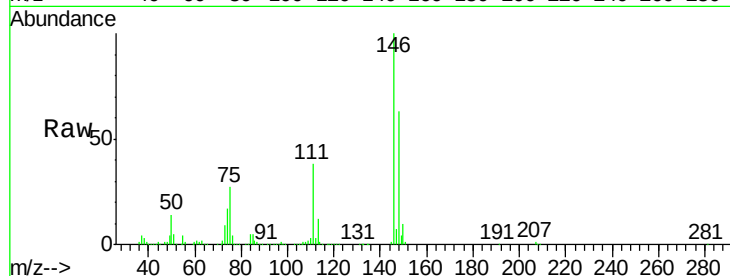
#91
 1,2-Dichlorobenzene
 Concen: 15.857 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	455015		
111	39.0		20.8	62.2
148	63.3		32.0	96.2

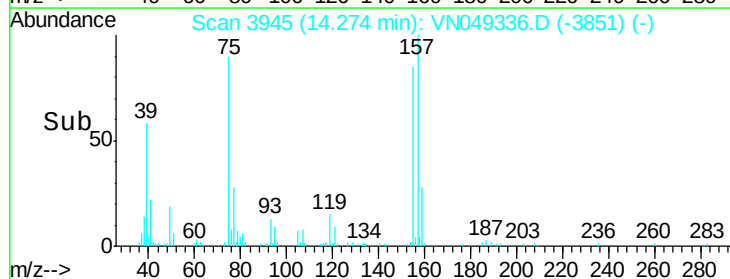
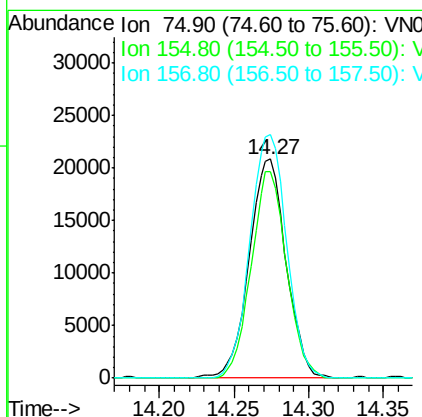
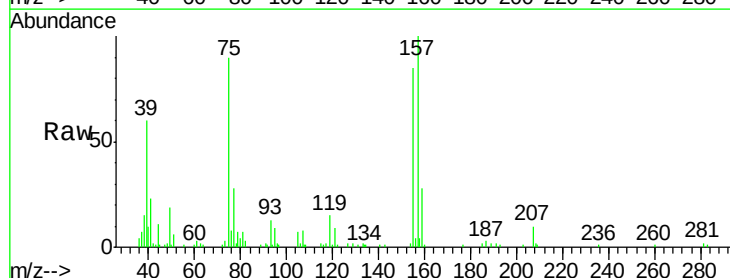
Manual Integrations
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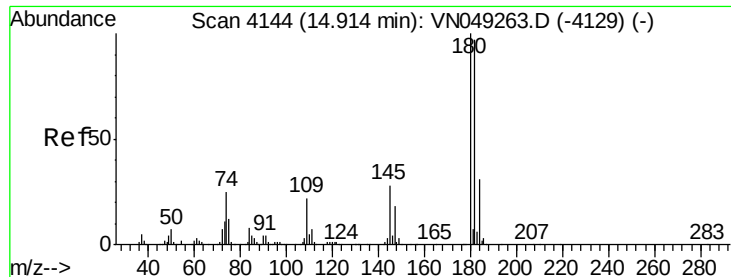
MMDadoda
 6/19/2018 1:55:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.269 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35791		
155	90.2		38.8	116.3
157	110.5		51.0	153.1





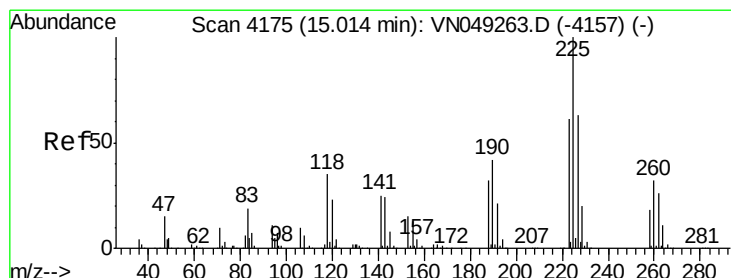
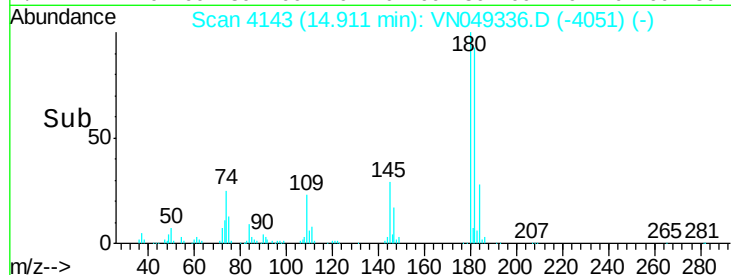
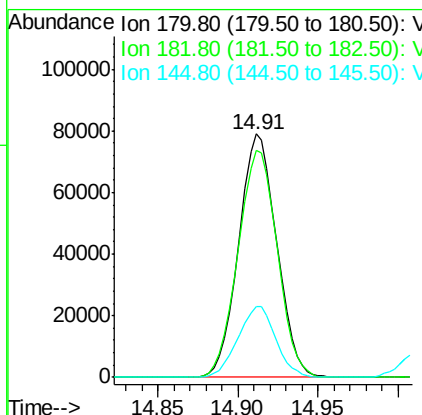
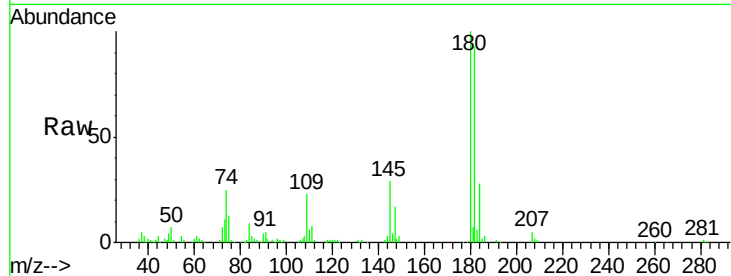
#93
 1,2,4-Trichlorobenzene
 Concen: 13.533 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	127714		
182	96.2	46.9	140.8	
145	29.1	14.7	44.1	

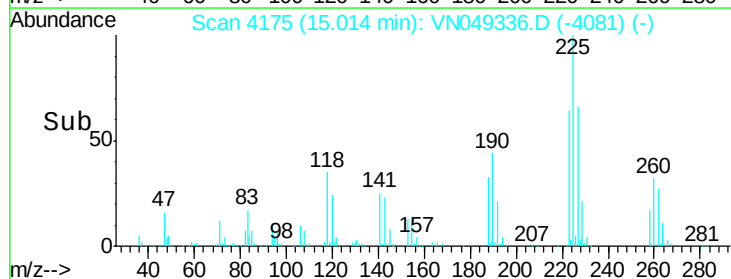
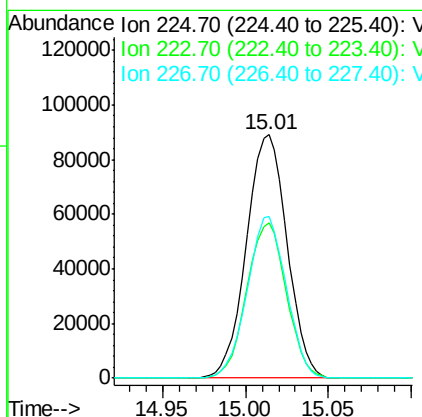
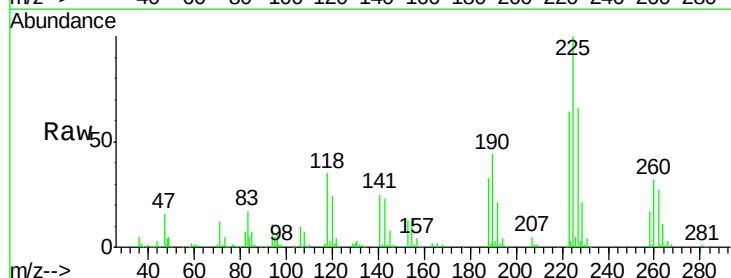
Manual Integrations
 APPROVED

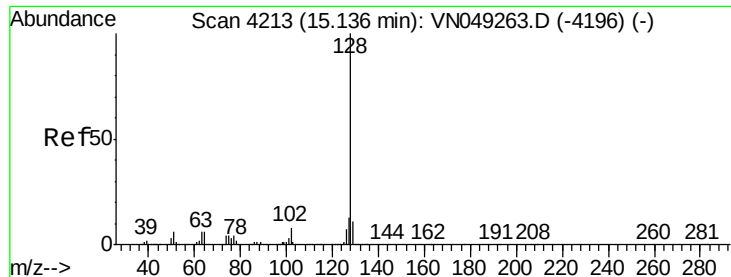
MMDadoda
 6/19/2018 1:55:41 PM



#94
 Hexachlorobutadiene
 Concen: 16.306 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049336.D
 Acq: 18 Jun 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	152238		
223	62.1	32.1	96.3	
227	63.4	31.8	95.3	





#95

Naphthalene

Concen: 13.920 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Instrument :

MSVOA_N

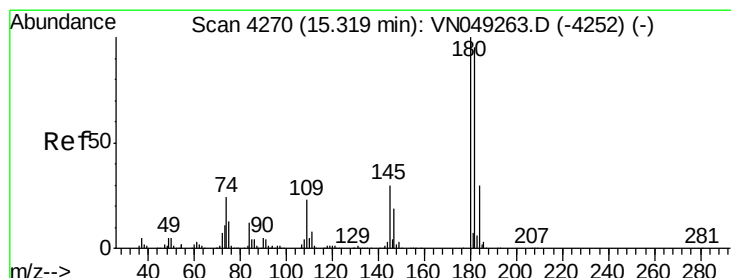
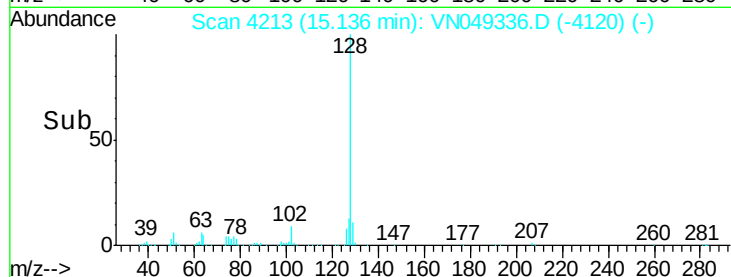
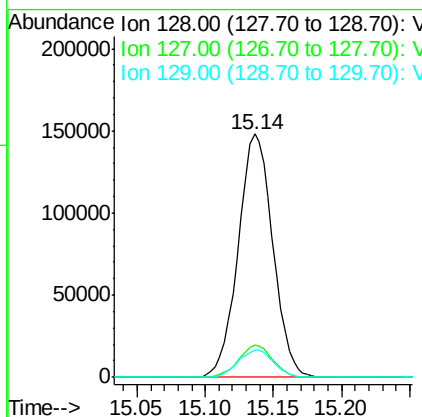
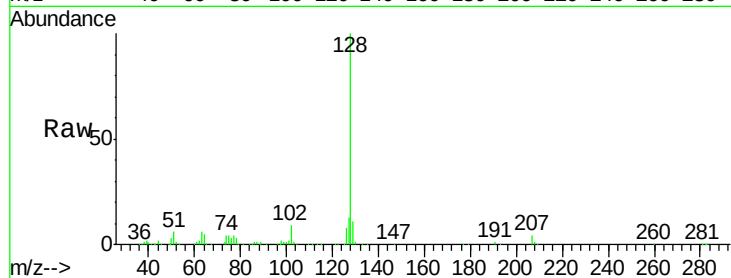
ClientSampleId :

VN0618MBS01

Tot Ion:	128	Resp:	260402
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.4	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:55:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 14.371 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049336.D

Acq: 18 Jun 2018 12:12

Tgt Ion:	180	Resp:	150732
Ion Ratio		Lower	Upper
180	100		
182	95.6	47.3	141.8
145	30.1	15.6	46.7

