

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049341.D
 Acq On : 18 Jun 2018 14:21
 Operator : MD\SY
 Sample : VN0618WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:43 PM

Quant Time: Jun 19 02:17:37 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	1674717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2540609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2286247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1082447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1150869	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.59	113	1022932	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.09	98	3880173	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	1271063	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	352391	18.281	ug/l	99
3) Chloromethane	2.06	50	447988	17.998	ug/l	95
4) Vinyl Chloride	2.18	62	496834	18.781	ug/l	100
5) Bromomethane	2.56	94	200456	14.415	ug/l	92
6) Chloroethane	2.70	64	321707	20.396	ug/l	100
7) Trichlorofluoromethane	3.01	101	652514	19.772	ug/l	98
8) Diethyl Ether	3.41	74	245161	21.278	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	416992	19.922	ug/l	94
10) Methyl Iodide	3.95	142	329010	15.099	ug/l	91
11) Tert butyl alcohol	4.80	59	155264	119.095	ug/l #	94
12) 1,1-Dichloroethene	3.73	96	387733	20.192	ug/l	89
13) Acrolein	3.61	56	106878	78.175	ug/l	99
14) Allyl chloride	4.32	41	641071	21.144	ug/l	89
15) Acrylonitrile	4.99	53	720976	110.597	ug/l	98
16) Acetone	3.82	43	592285	109.820	ug/l	92
17) Carbon Disulfide	4.05	76	1083327	17.999	ug/l	98
18) Methyl Acetate	4.33	43	370873	22.553	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	1114069	22.755	ug/l	99
20) Methylene Chloride	4.55	84	448920	19.930	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	409847	20.160	ug/l	93
22) Diisopropyl ether	5.96	45	1346873	22.245	ug/l	95
23) Vinyl Acetate	5.90	43	4396437	111.384	ug/l	96
24) 1,1-Dichloroethane	5.85	63	797937	20.591	ug/l	100
25) 2-Butanone	6.84	43	816630	112.766	ug/l	96
26) 2,2-Dichloropropane	6.83	77	654416	20.910	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	476970	21.103	ug/l	92
28) Bromochloromethane	7.20	49	358355	20.858	ug/l #	83
29) Tetrahydrofuran	7.22	42	533060	114.351	ug/l	94
30) Chloroform	7.37	83	800676	20.761	ug/l	100
31) Cyclohexane	7.65	56	680463	20.609	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	683686	20.777	ug/l	97
36) 1,1-Dichloropropene	7.79	75	592883	20.361	ug/l	98
37) Ethyl Acetate	6.93	43	365424	23.085	ug/l	96
38) Carbon Tetrachloride	7.77	117	596279	19.780	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	615720	19.699	ug/l	96
40) Benzene	8.04	78	1817748	20.362	ug/l	98
41) Methacrylonitrile	7.18	41	199096	23.265	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	567881	20.590	ug/l	96
43) Isopropyl Acetate	8.17	43	693987	22.946	ug/l	97
44) Trichloroethene	8.84	130	484136	20.537	ug/l	94
45) 1,2-Dichloropropane	9.12	63	481580	20.603	ug/l	100
46) Dibromomethane	9.21	93	280336	20.684	ug/l	92
47) Bromodichloromethane	9.40	83	608364	20.426	ug/l	95
48) Methyl methacrylate	9.20	41	323683	22.726	ug/l	88
49) 1,4-Dioxane	9.20	88	87447	444.855	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1809624	114.161	ug/l	94
52) Toluene	10.16	92	1104973	21.090	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	587767	20.629	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	699702	20.799	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	407035	20.839	ug/l	98
56) Ethyl methacrylate	10.43	69	500404	22.207	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	674513	20.846	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	676130	93.447	ug/l	94
59) 2-Hexanone	10.75	43	1166546	114.149	ug/l	94
60) Dibromochloromethane	10.90	129	452653	20.764	ug/l	98
61) 1,2-Dibromoethane	11.01	107	384795	21.194	ug/l	99
64) Tetrachloroethene	10.63	164	501398	21.402	ug/l	97
65) Chlorobenzene	11.44	112	1198796	20.355	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	450440	20.323	ug/l	99
67) Ethyl Benzene	11.51	91	2050584	20.991	ug/l	97
68) m/p-Xylenes	11.62	106	1573585	42.922	ug/l	95
69) o-Xylene	11.95	106	770690	21.826	ug/l	93
70) Styrene	11.97	104	1200028	21.541	ug/l	98
71) Bromoform	12.13	173	297016	20.703	ug/l #	100
73) Isopropylbenzene	12.25	105	2012154	21.171	ug/l	97
74) N-amyl acetate	12.07	43	515162	22.130	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	474350	23.054	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	398010m	21.550	ug/l	
77) Bromobenzene	12.53	156	527084	20.996	ug/l	87
78) n-propylbenzene	12.59	91	2237227	21.439	ug/l	98
79) 2-Chlorotoluene	12.68	91	1360550	20.576	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1609360	21.544	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	122276	20.924	ug/l	93
82) 4-Chlorotoluene	12.78	91	1337632	20.969	ug/l	97
83) tert-Butylbenzene	13.00	119	1406889	21.258	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1607131	21.657	ug/l	98
85) sec-Butylbenzene	13.17	105	1836688	20.851	ug/l	99
86) p-Isopropyltoluene	13.29	119	1549352	21.053	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	838707	20.308	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	813202	19.867	ug/l	100
89) n-Butylbenzene	13.62	91	1166828	20.299	ug/l	96
90) Hexachloroethane	13.88	117	302888	20.754	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	828143	20.445	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66749	20.173	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	305019	19.615	ug/l	99
94) Hexachlorobutadiene	15.01	225	265768	20.847	ug/l	98
95) Naphthalene	15.14	128	682238	23.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	336324	20.708	ug/l	99

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

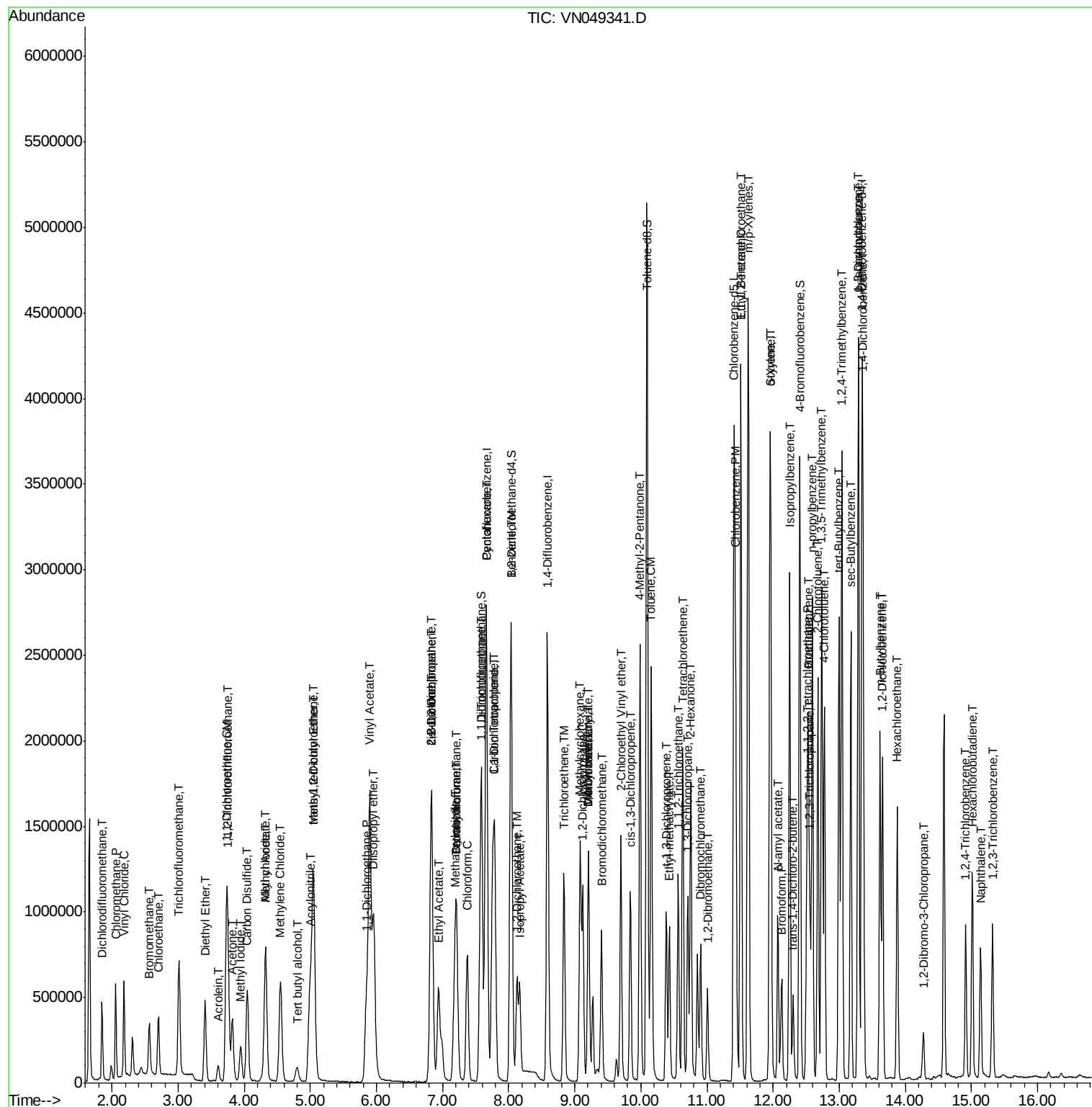
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
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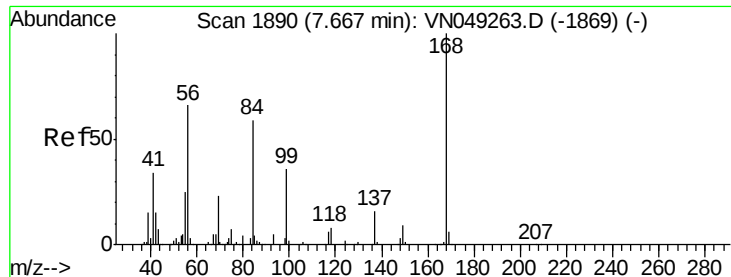
Instrument :
MSVOA_N
Client Sample ID :
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Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion:168 Resp: 1674717

Ion Ratio Lower Upper

168 100

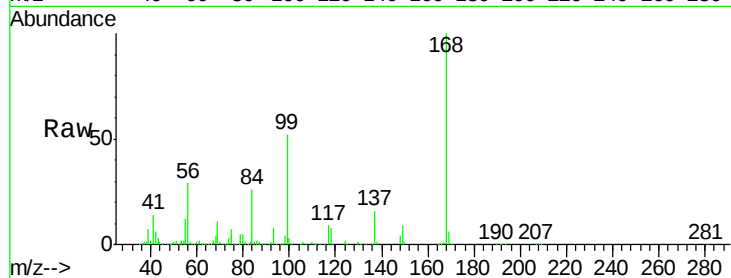
99 51.4 45.8 68.6

Manual Integrations

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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

800000

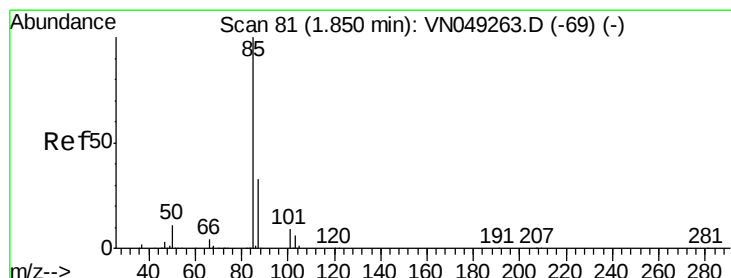
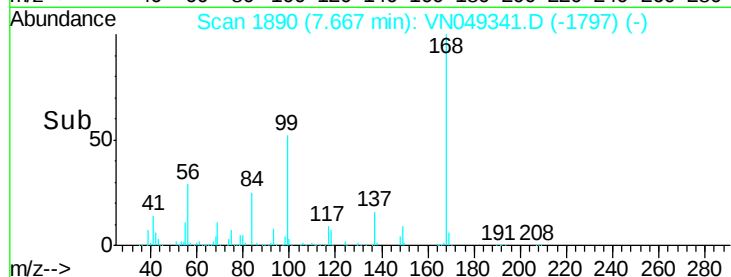
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.281 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049341.D

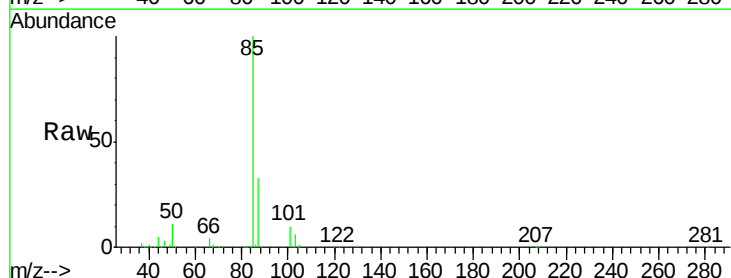
Acq: 18 Jun 2018 14:21

Tgt Ion: 85 Resp: 352391

Ion Ratio Lower Upper

85 100

87 32.7 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

300000

250000

200000

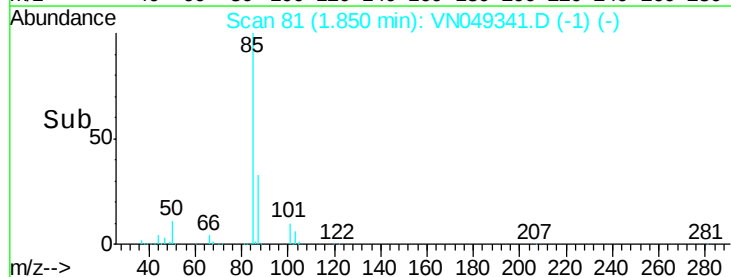
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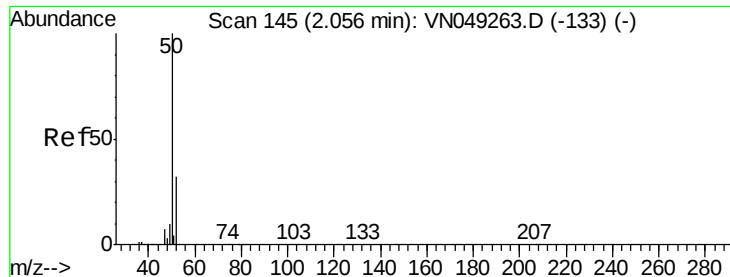
100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.998 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 50 Resp: 447988

Ion Ratio Lower Upper

50 100

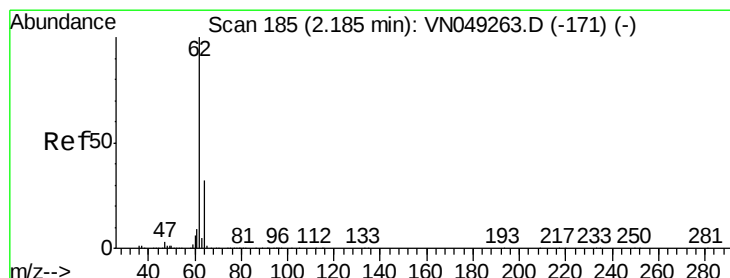
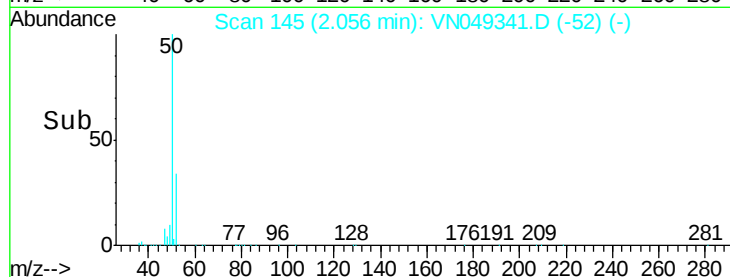
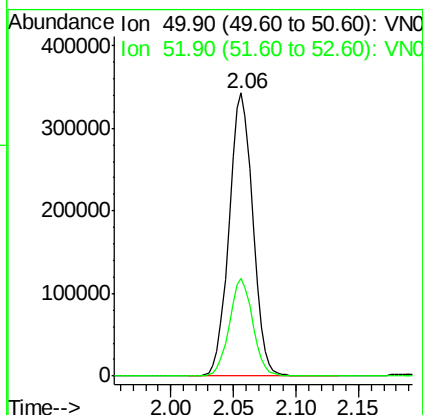
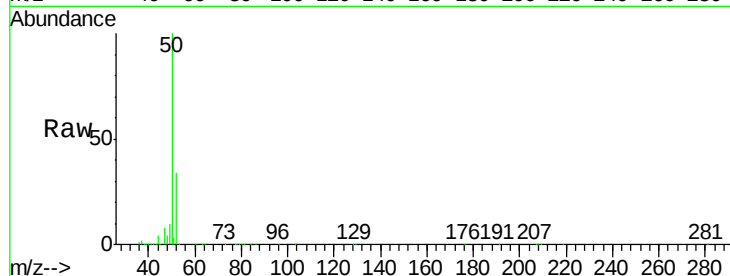
52 34.5 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.781 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049341.D

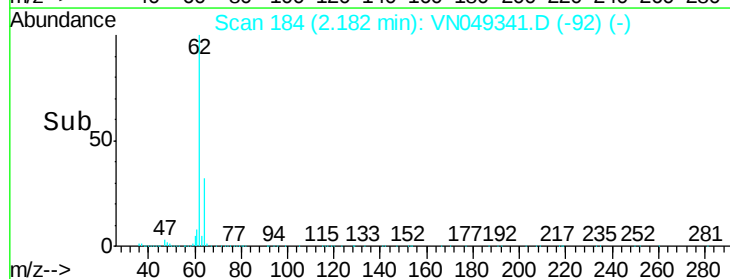
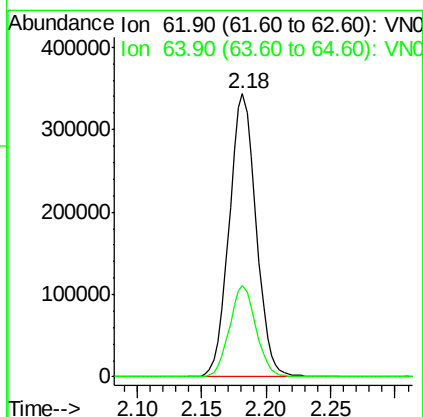
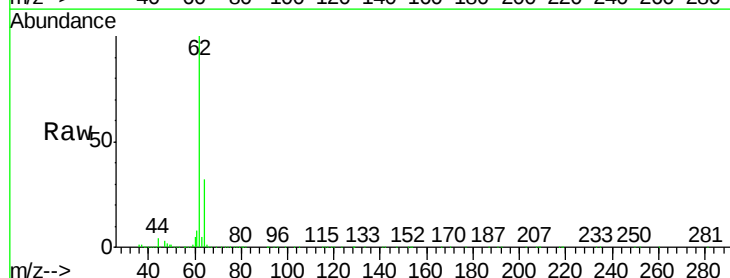
Acq: 18 Jun 2018 14:21

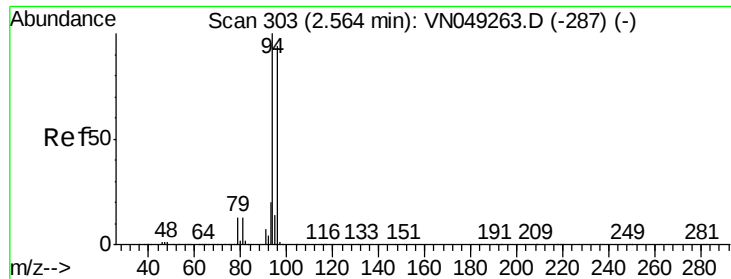
Tgt Ion: 62 Resp: 496834

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5





#5

Bromomethane

Concen: 14.415 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

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Tot Ion: 94 Resp: 200456

Ion Ratio Lower Upper

94 100

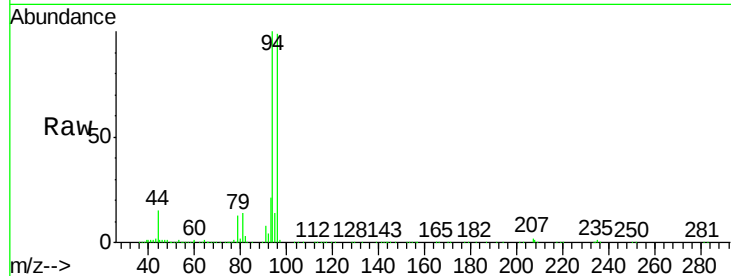
96 98.8 72.8 109.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

120000

100000

80000

60000

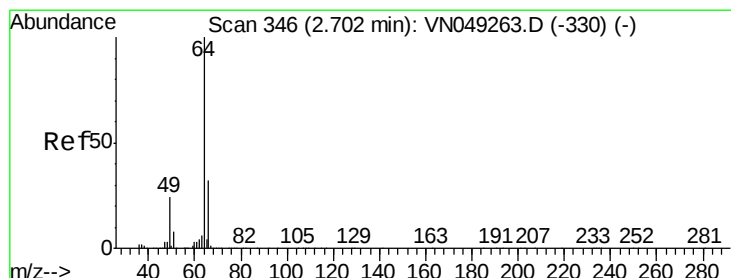
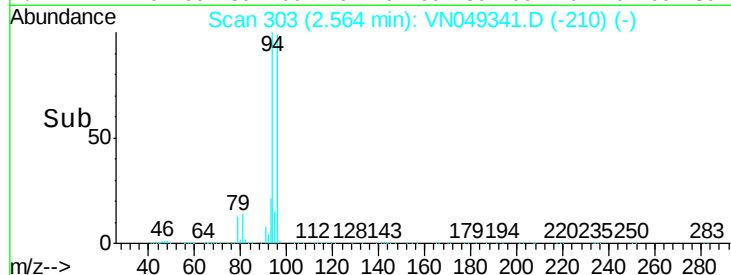
40000

20000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 20.396 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049341.D

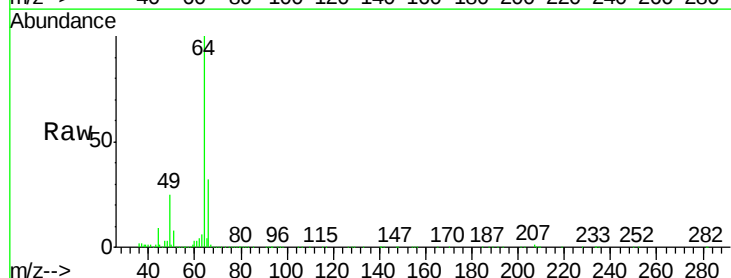
Acq: 18 Jun 2018 14:21

Tgt Ion: 64 Resp: 321707

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

200000

150000

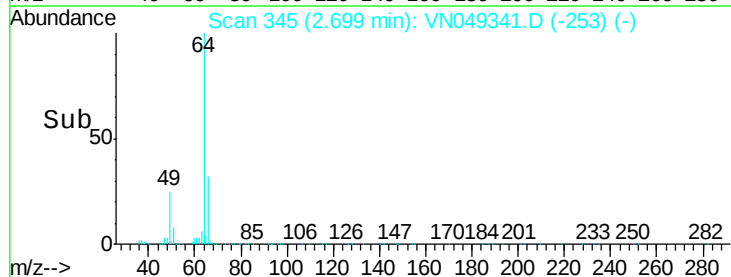
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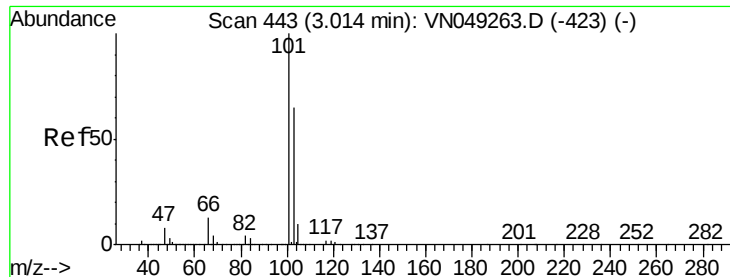
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0

2.60 2.65 2.70 2.75 2.80

Time-->





#7

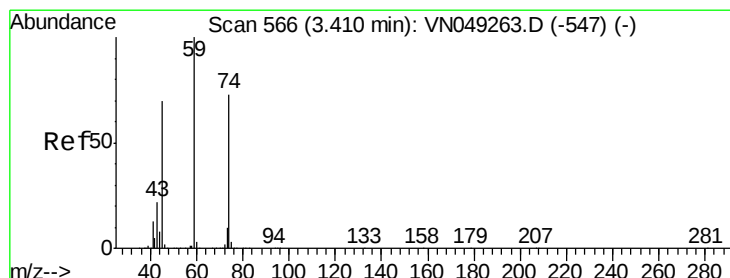
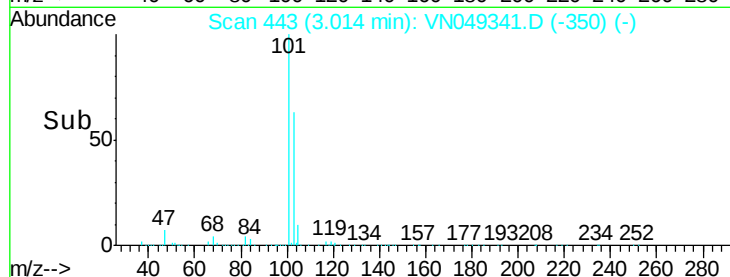
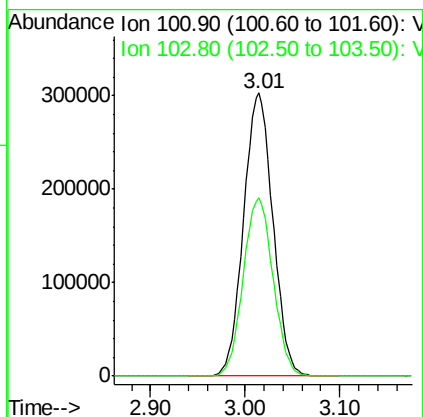
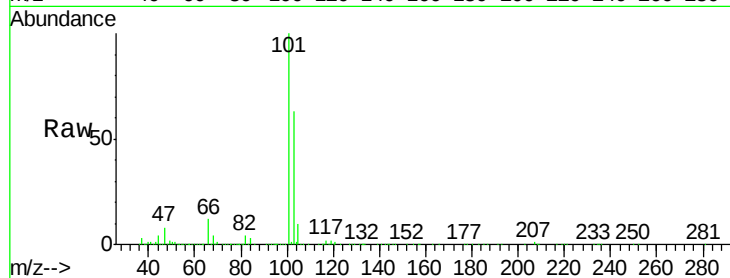
Trichlorofluoromethane
Concen: 19.772 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049341.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		652514		
103	62.8	51.7	77.5		

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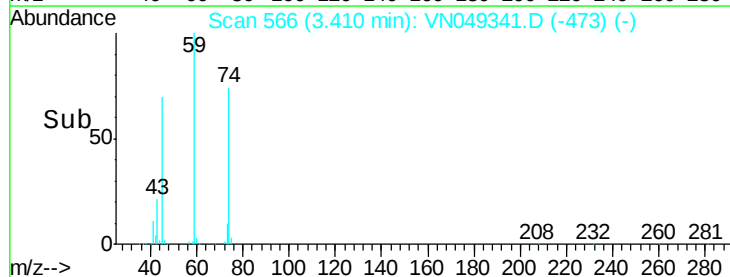
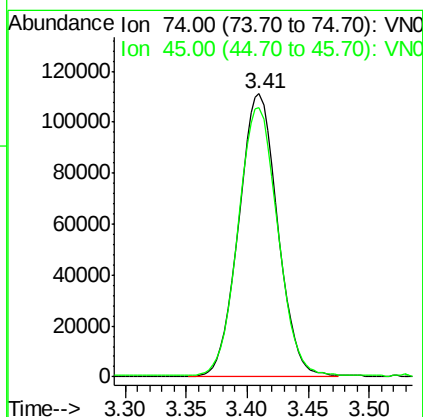
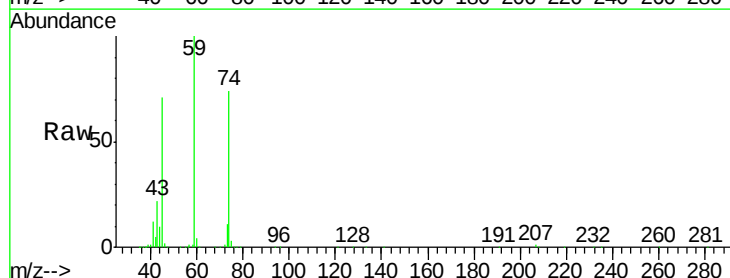
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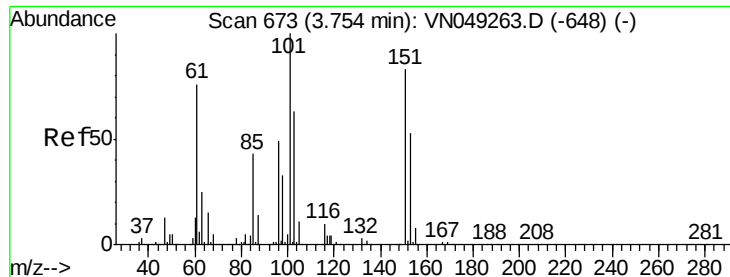


#8

Diethyl Ether
Concen: 21.278 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		245161		
45	96.2	51.9	155.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.922 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

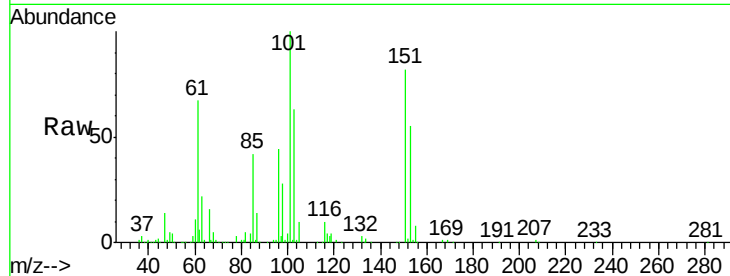
ClientSampleId :

VN0618WBS01

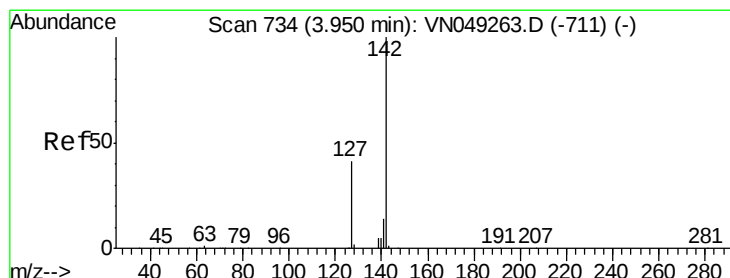
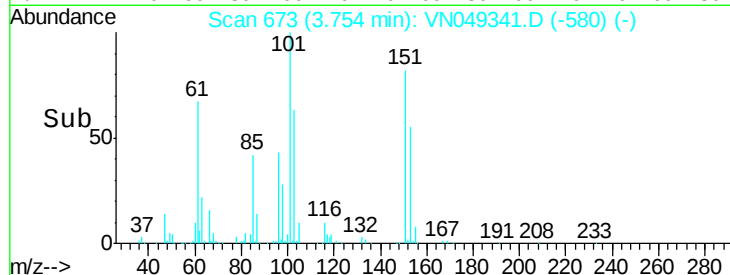
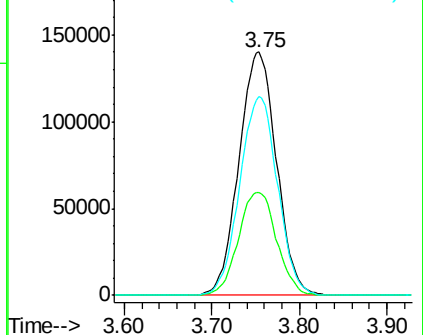
Tot Ion:	101	Resp:	416992
Ion Ratio	Lower	Upper	
101	100		
85	43.3	37.6	56.4
151	82.4	61.1	91.7

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.099 ug/l

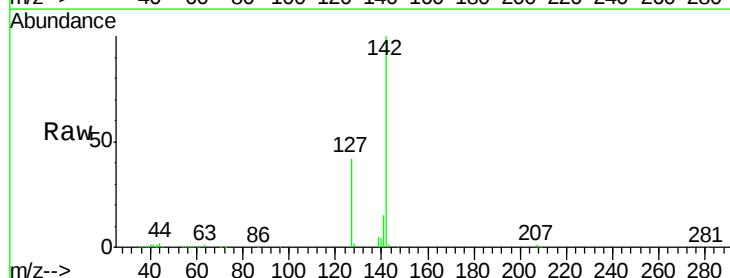
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

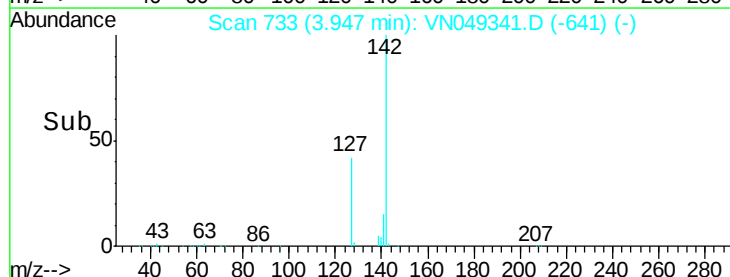
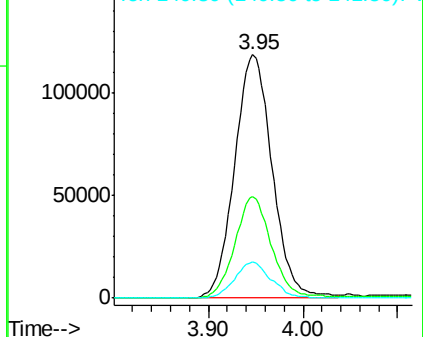
Lab File: VN049341.D

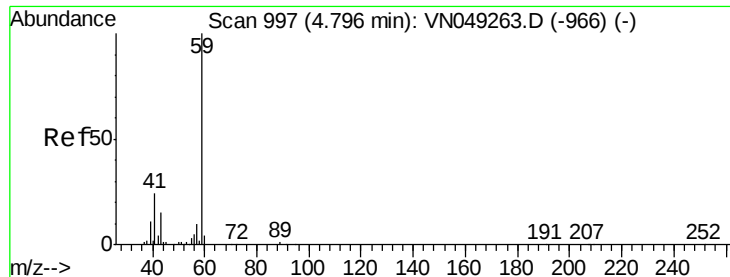
Acq: 18 Jun 2018 14:21

Tgt Ion:	142	Resp:	329010
Ion Ratio	Lower	Upper	
142	100		
127	40.2	38.2	57.4
141	14.3	11.9	17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

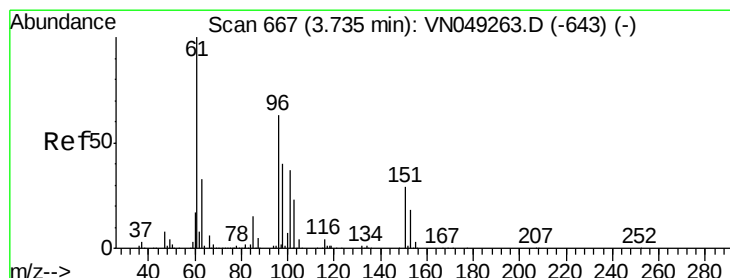
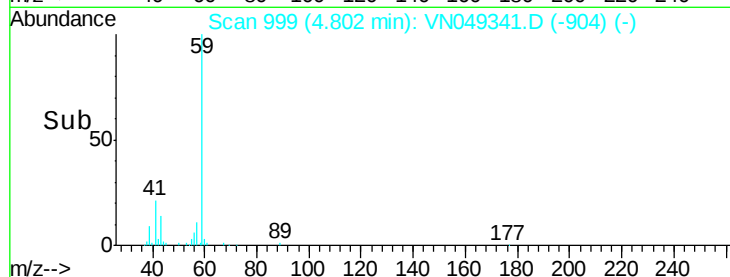
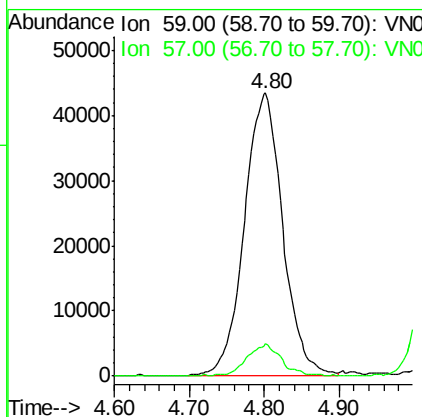
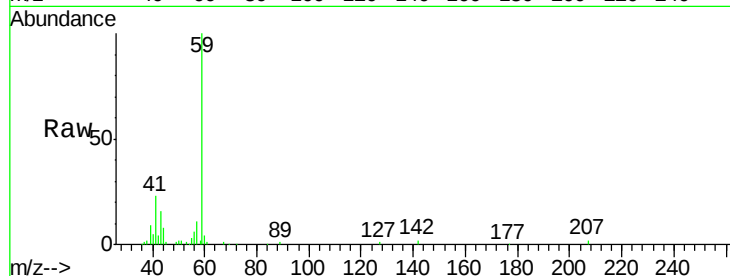
Tert butyl alcohol
 Concen: 119.095 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	9.0	13.6#

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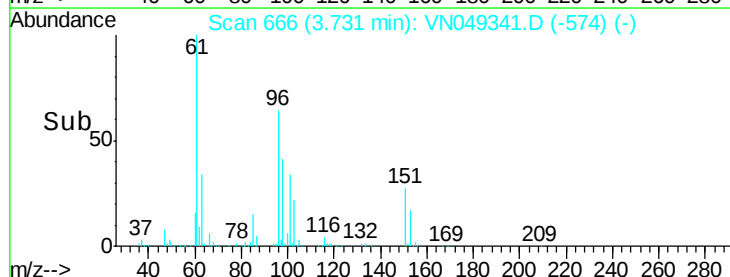
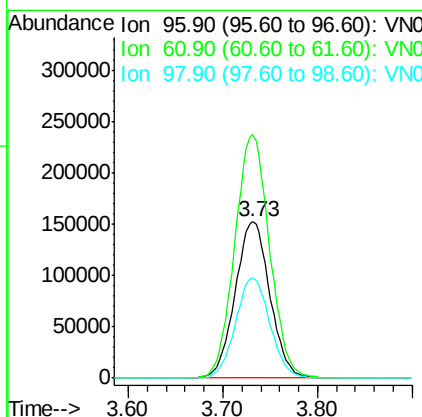
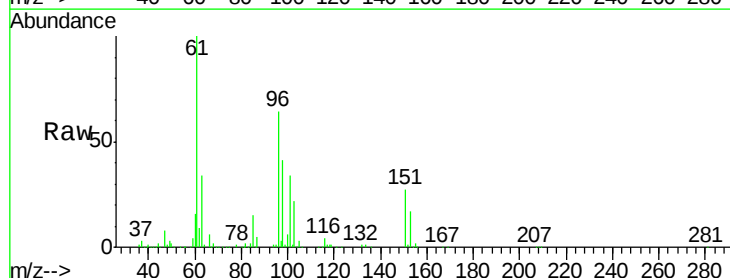
MMDadoda
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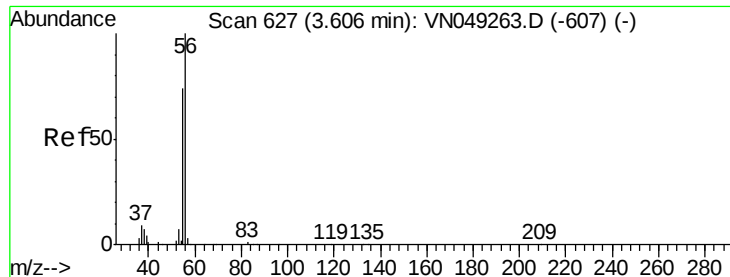


#12

1,1-Dichloroethene
 Concen: 20.192 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	141.0	211.4
98	64.3	50.4	75.6





#13

Acrolein

Concen: 78.175 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 56 Resp: 106878

Ion Ratio Lower Upper

56 100

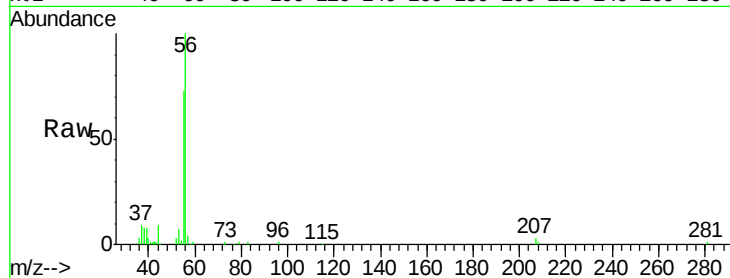
55 72.4 57.1 85.7

Manual Integrations

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6/19/2018 1:55:43 PM

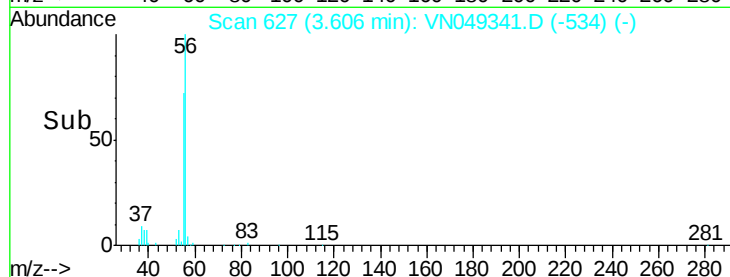


Abundance Ion 56.00 (55.70 to 56.70): VN0

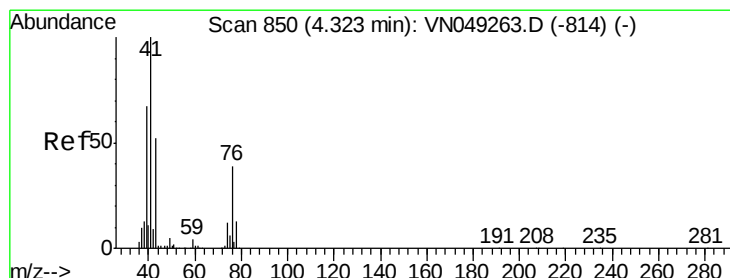
Ion 55.00 (54.70 to 55.70): VN0

3.61

Time-->



Time-->



#14

Allyl chloride

Concen: 21.144 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

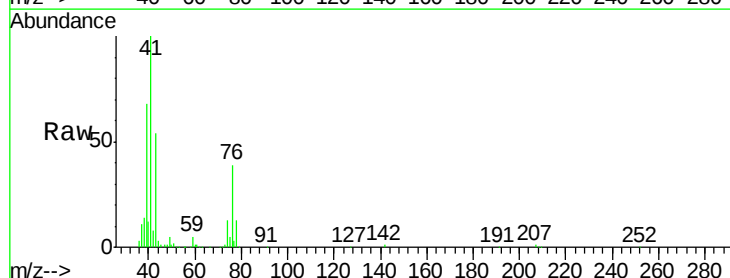
Tgt Ion: 41 Resp: 641071

Ion Ratio Lower Upper

41 100

39 66.1 62.5 93.7

76 35.9 27.1 40.7



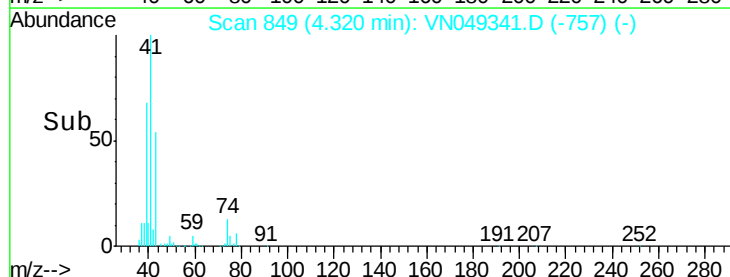
Abundance Ion 41.00 (40.70 to 41.70): VN0

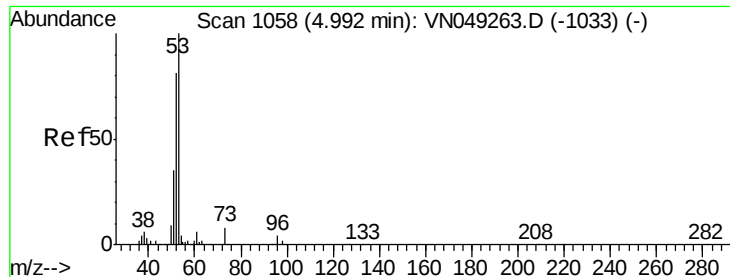
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

Time-->





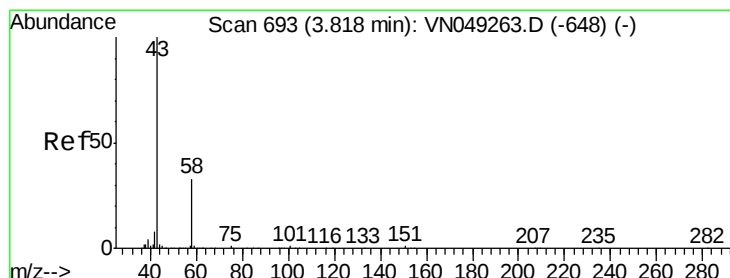
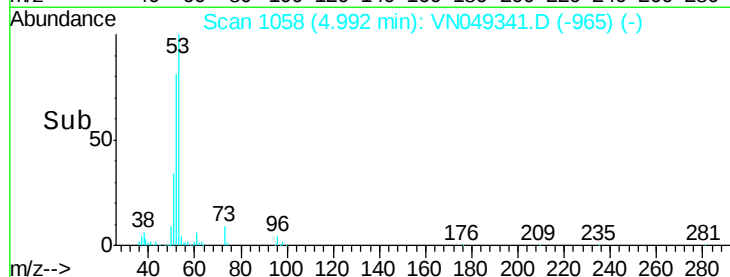
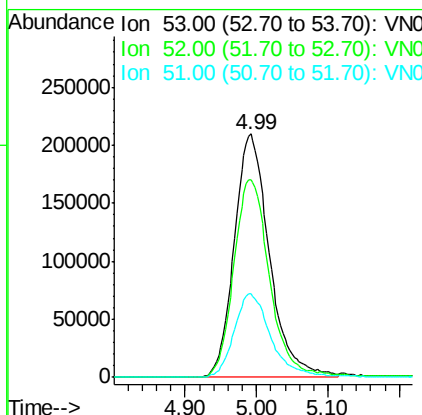
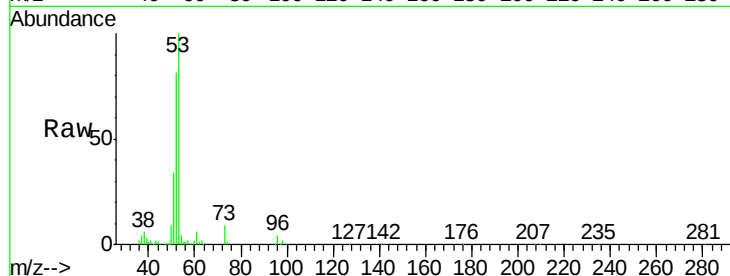
#15
 Acrylonitrile
 Concen: 110.597 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.6	100.0
51	36.0	29.8	44.8

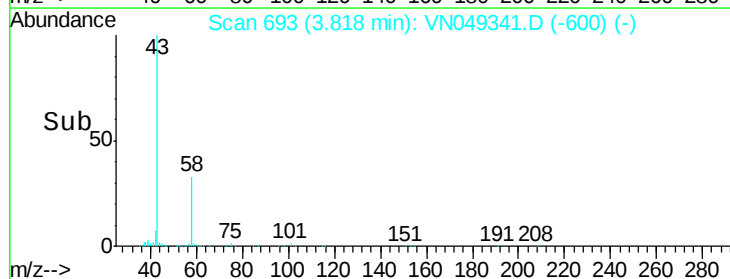
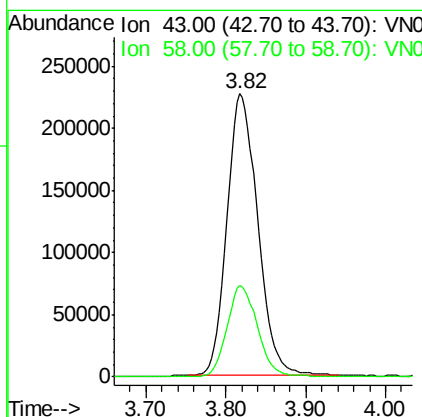
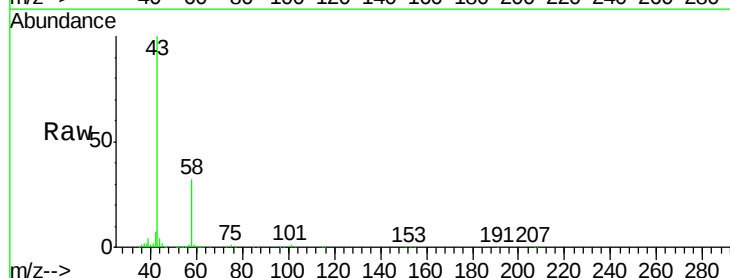
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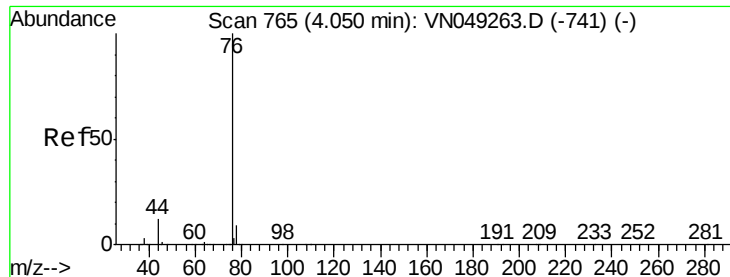
MMDadoda
 6/19/2018 1:55:43 PM



#16
 Acetone
 Concen: 109.820 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.4	22.4	33.6





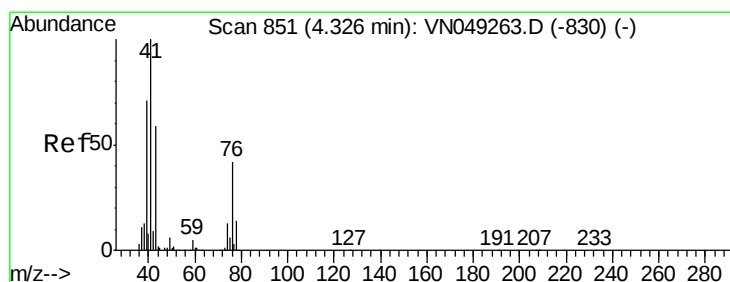
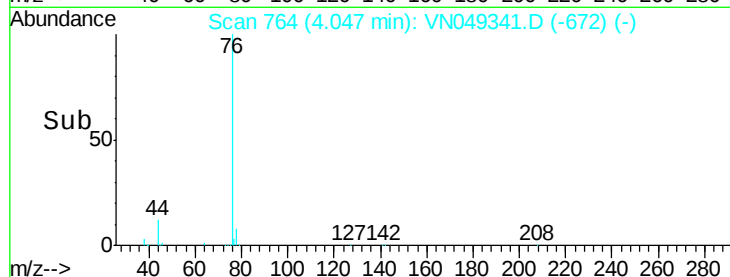
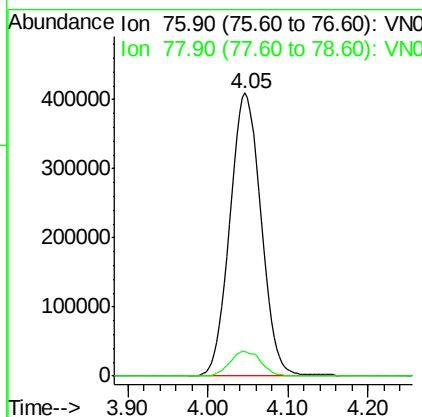
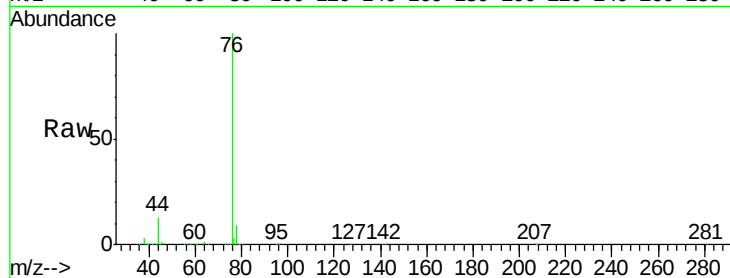
#17
Carbon Disulfide
Concen: 17.999 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion: 76 Resp: 1083327
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0

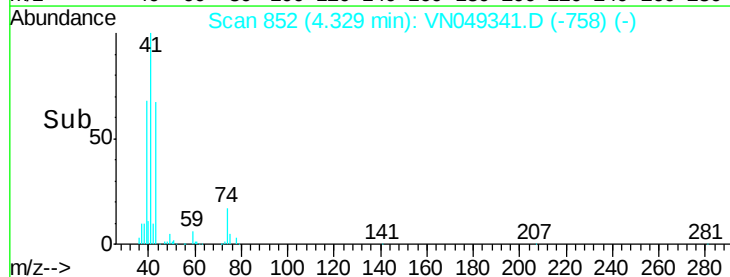
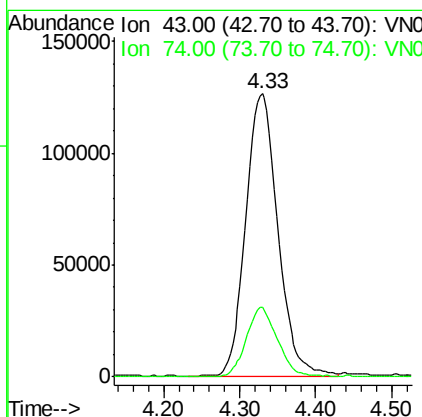
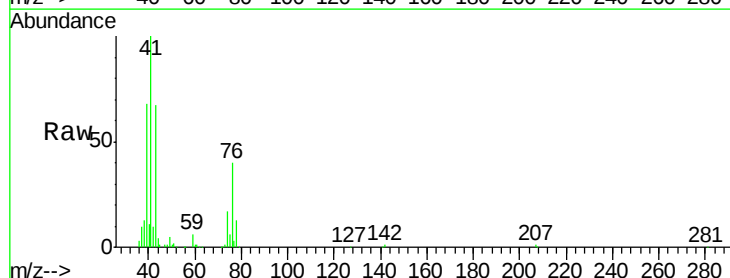
Manual Integrations
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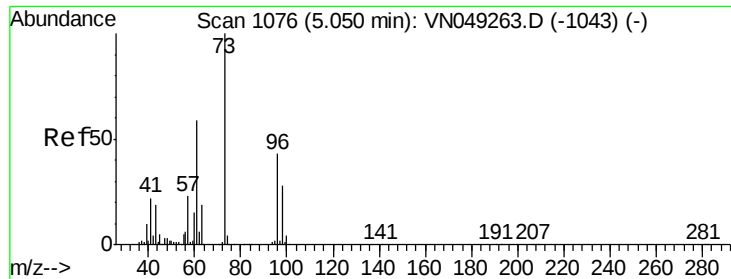
MMDadoda
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#18
Methyl Acetate
Concen: 22.553 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 43 Resp: 370873
Ion Ratio Lower Upper
43 100
74 24.1 17.4 26.0





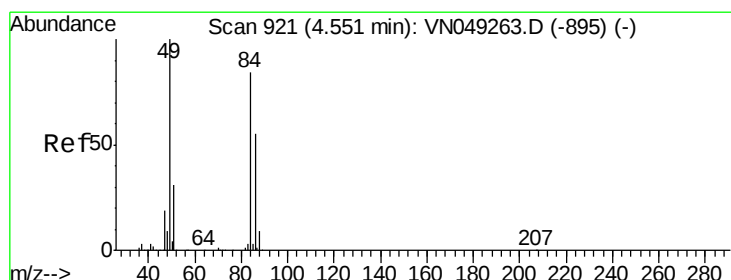
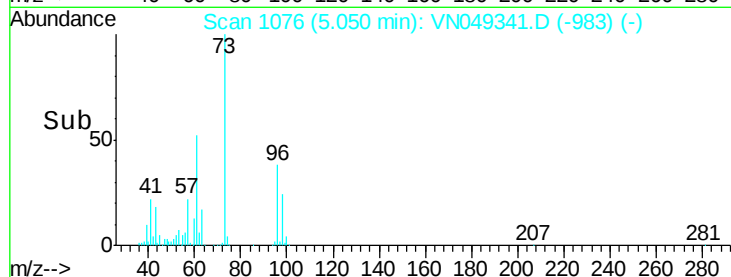
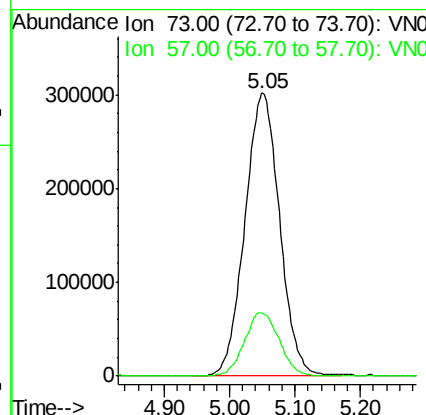
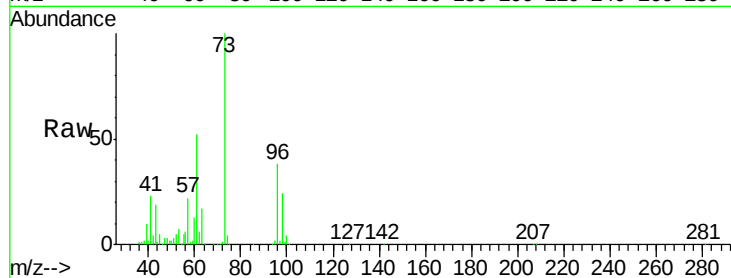
#19
Methvl tert-butvl Ether
Concen: 22.755 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion: 73 Resp: 1114069
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.4

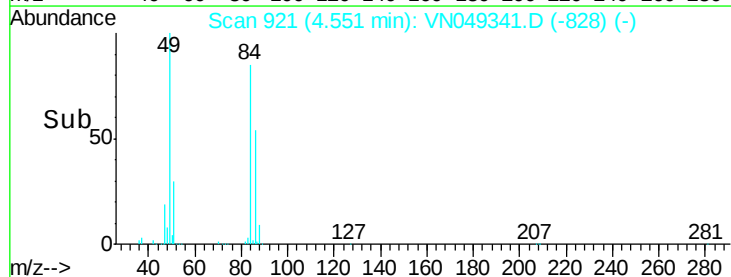
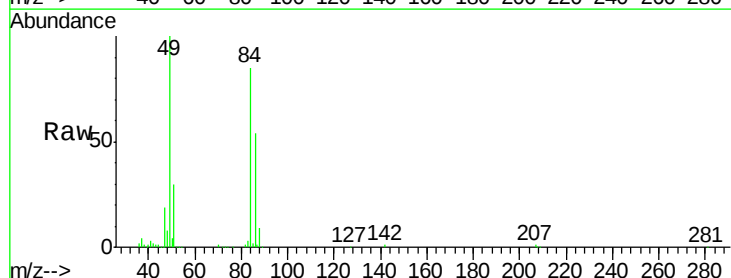
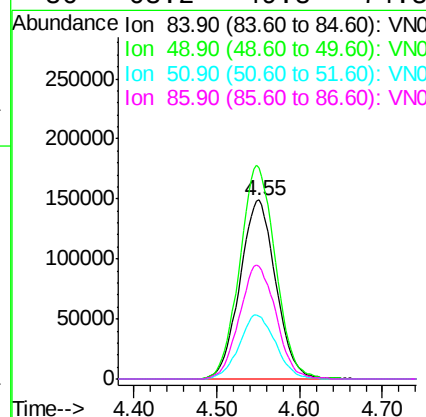
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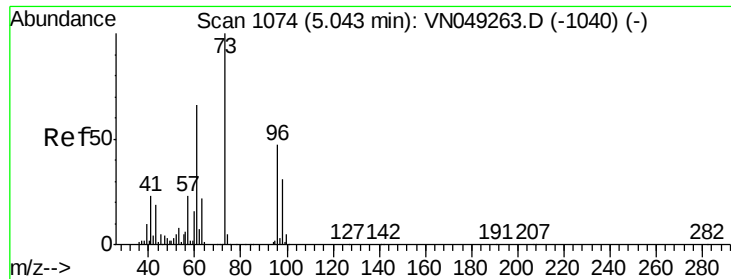
MMDadoda
6/19/2018 1:55:43 PM



#20
Methylene Chloride
Concen: 19.930 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 84 Resp: 448920
Ion Ratio Lower Upper
84 100
49 117.8 106.9 160.3
51 35.2 32.7 49.1
86 63.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.160 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

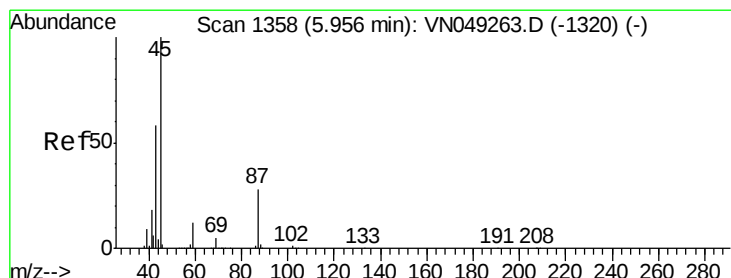
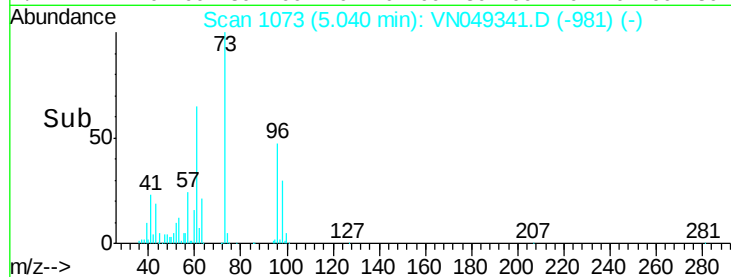
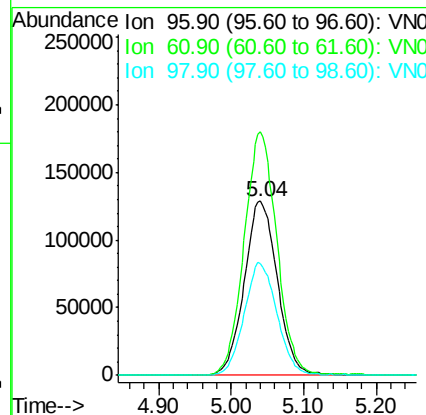
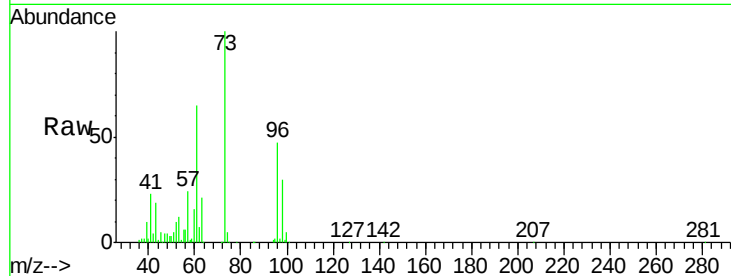
ClientSampleId :

VN0618WBS01

Tot Ion:	96	Resp:	409847
Ion	Ratio	Lower	Upper
96	100		
61	139.6	121.3	181.9
98	64.0	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.245 ug/l

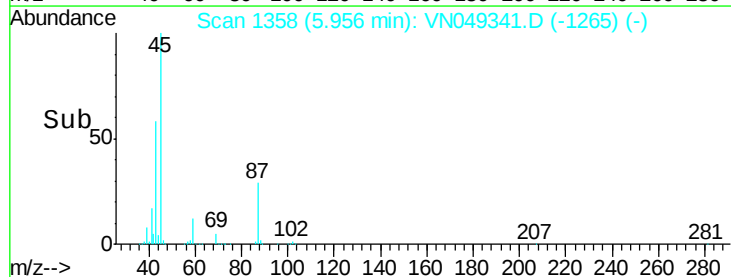
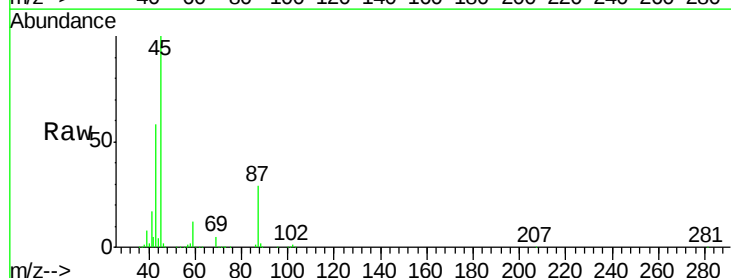
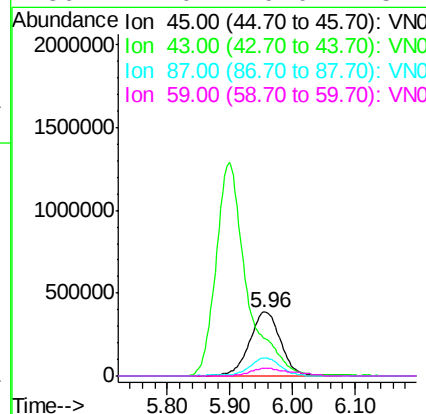
RT: 5.96 min Scan# 1358

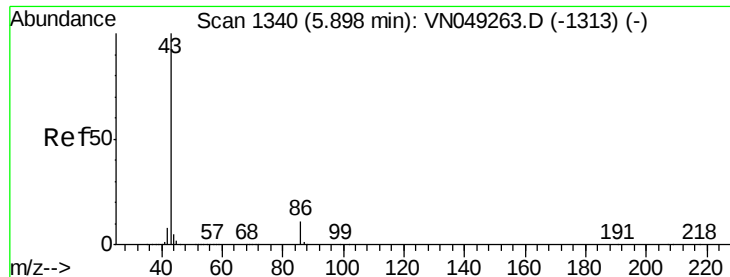
Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Tgt Ion:	45	Resp:	1346873
Ion	Ratio	Lower	Upper
45	100		
43	56.9	48.6	72.8
87	28.3	20.2	30.2
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 111.384 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 43 Resp: 4396437

Ion Ratio Lower Upper

43 100

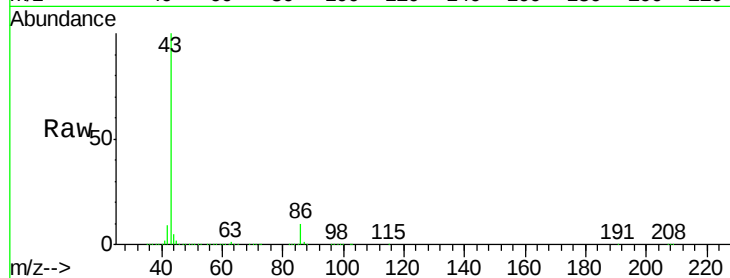
86 10.4 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

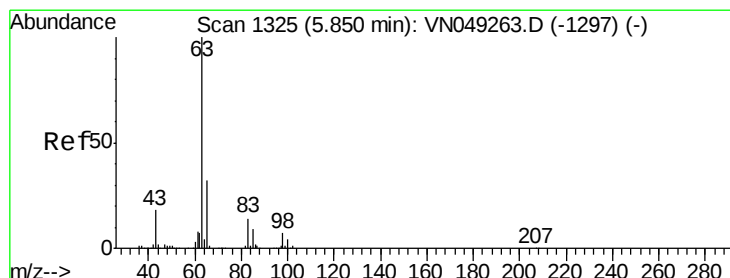
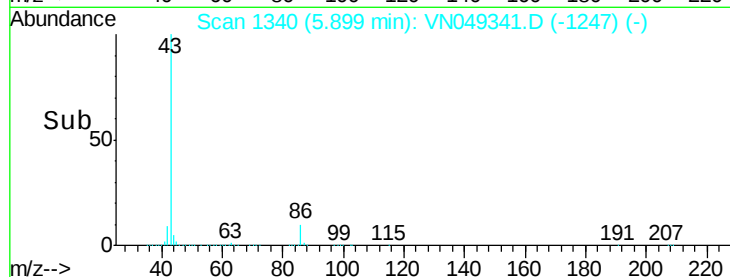
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.591 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

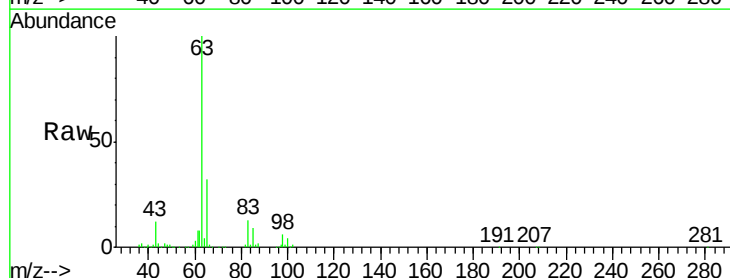
Tgt Ion: 63 Resp: 797937

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 4.2 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

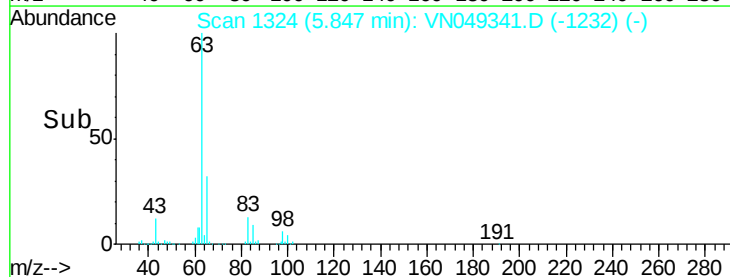
300000

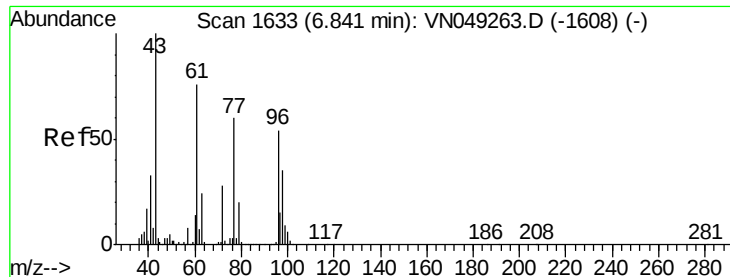
200000

100000

0

Time-->





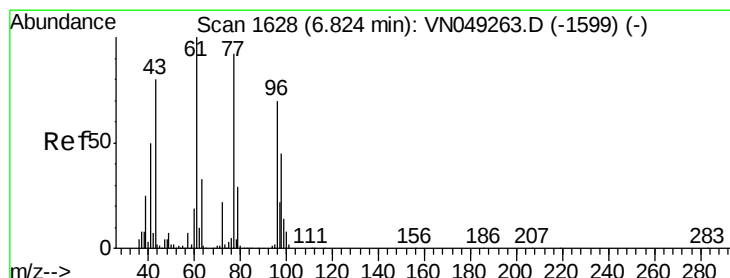
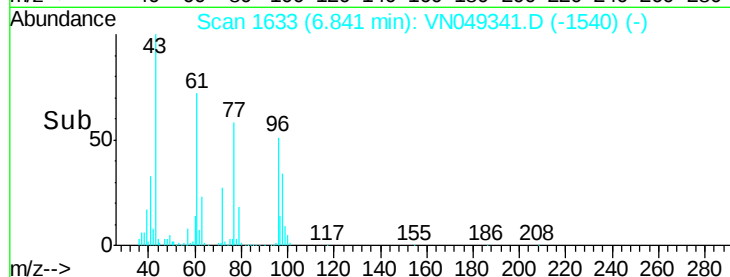
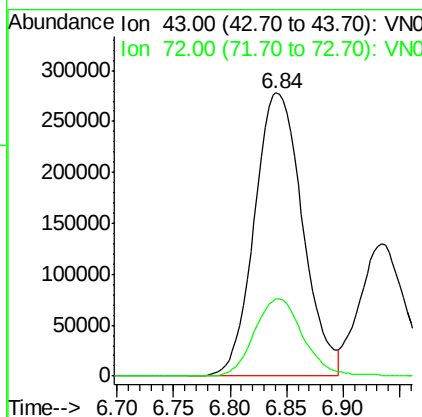
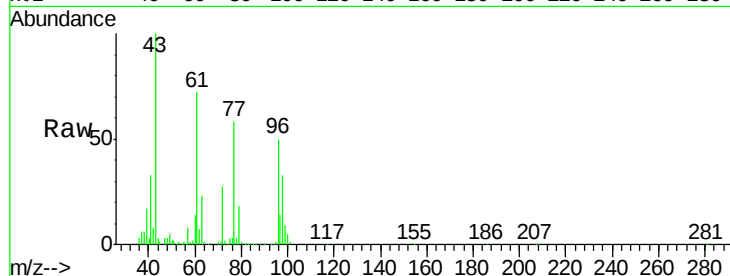
#25
2-Butanone
Concen: 112.766 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion: 43 Resp: 816630
Ion Ratio Lower Upper
43 100
72 27.2 20.2 30.2

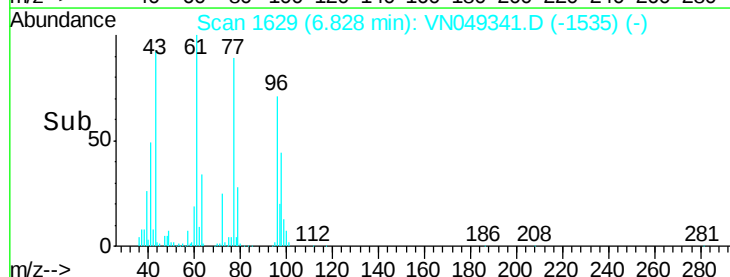
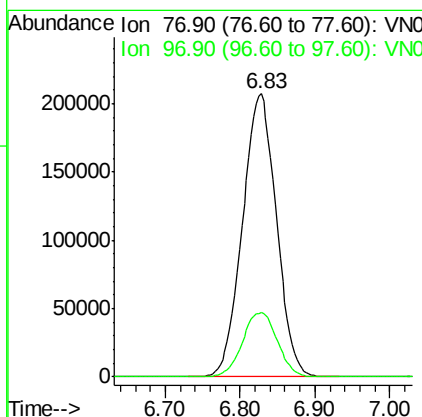
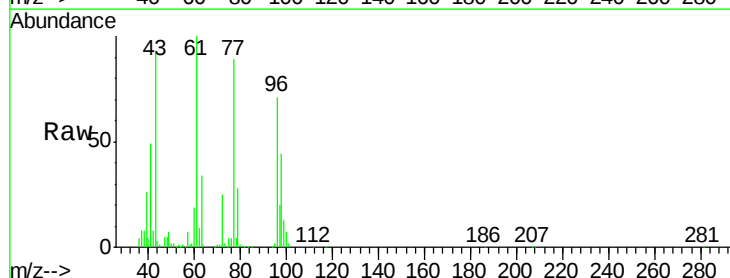
Manual Integrations
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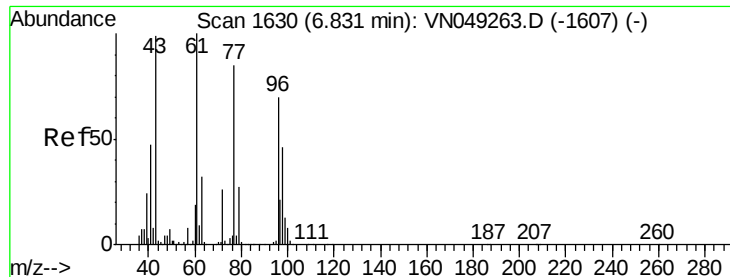
MMDadoda
6/19/2018 1:55:43 PM



#26
2,2-Dichloropropane
Concen: 20.910 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 77 Resp: 654416
Ion Ratio Lower Upper
77 100
97 23.4 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 21.103 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

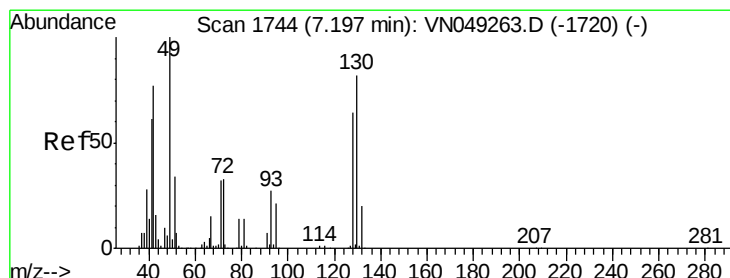
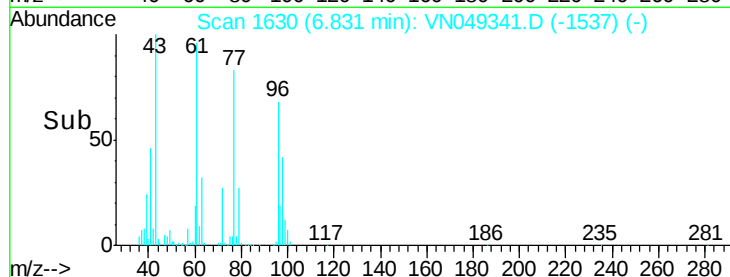
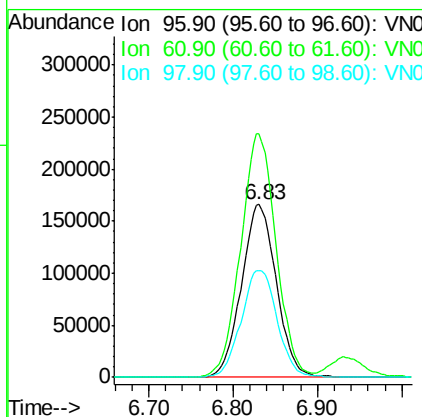
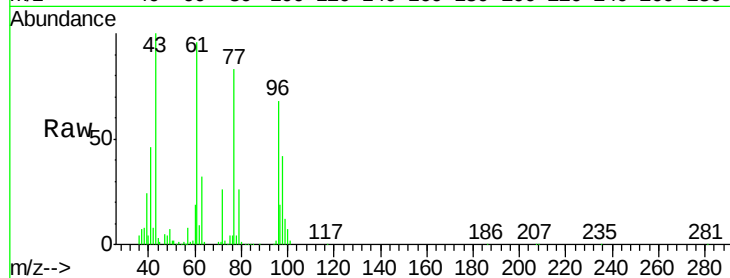
ClientSampleId :

VN0618WBS01

Tot Ion:	96	Resp:	476970
Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	316.4
98	64.0	0.0	128.4

Manual Integrations
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6/19/2018 1:55:43 PM



#28

Bromochloromethane

Concen: 20.858 ug/l

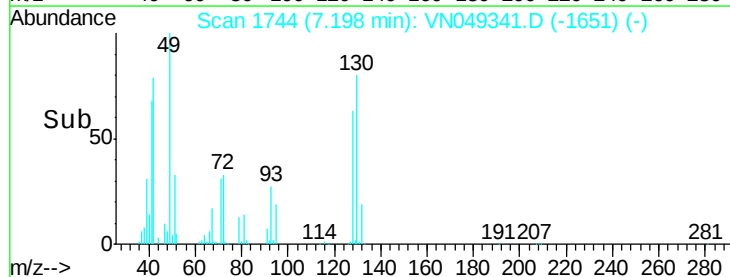
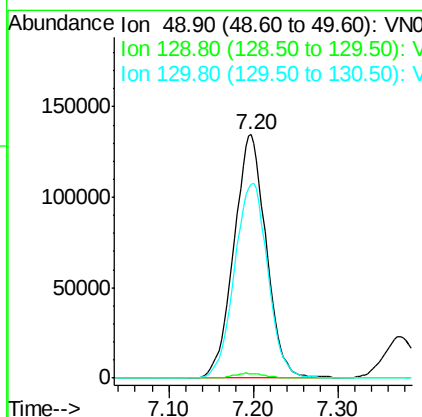
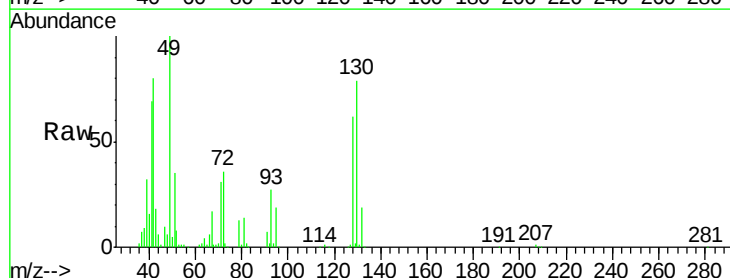
RT: 7.20 min Scan# 1744

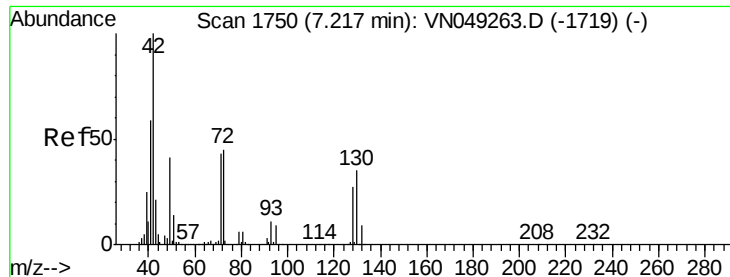
Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Tgt Ion:	49	Resp:	358355
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	82.7	54.9	82.3#





#29

Tetrahydrofuran

Concen: 114.351 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

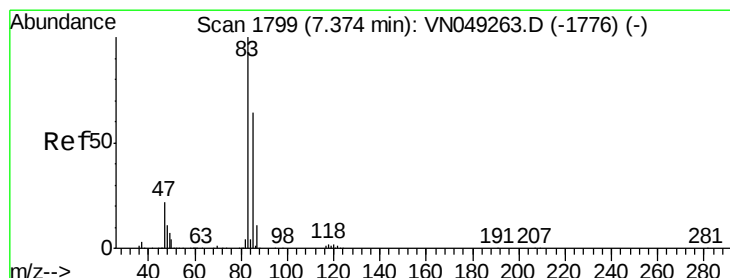
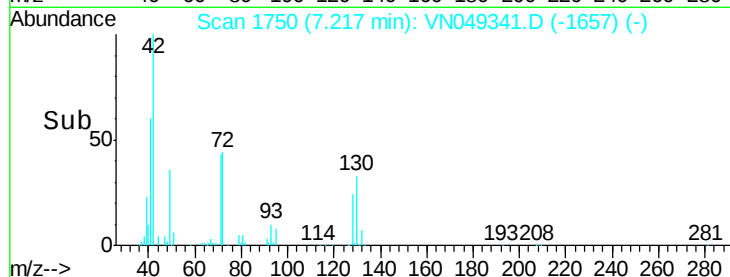
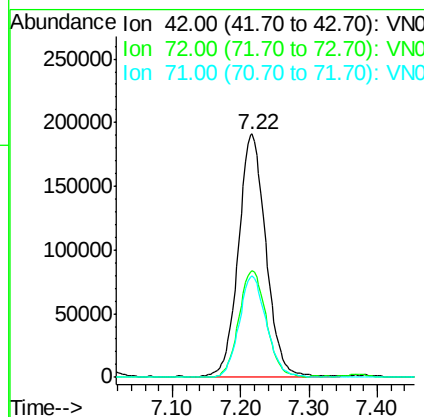
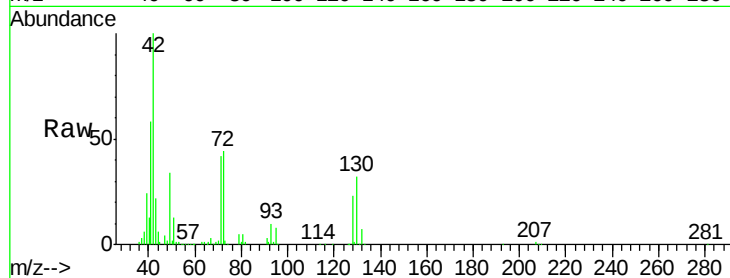
ClientSampleId :

VN0618WBS01

Tot Ion:	42	Resp:	533060
Ion Ratio		Lower	Upper
42	100		
72	43.6	32.2	48.4
71	41.6	30.5	45.7

Manual Integrations
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#30

Chloroform

Concen: 20.761 ug/l

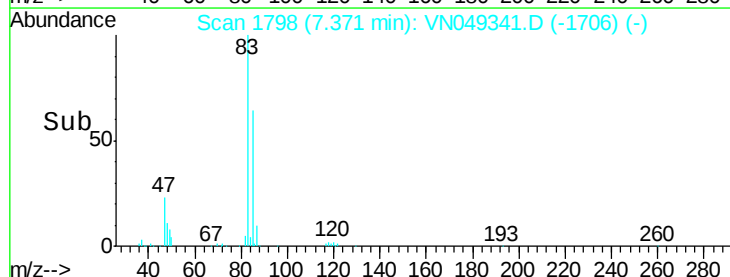
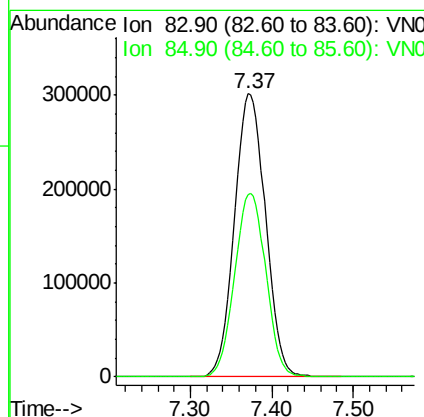
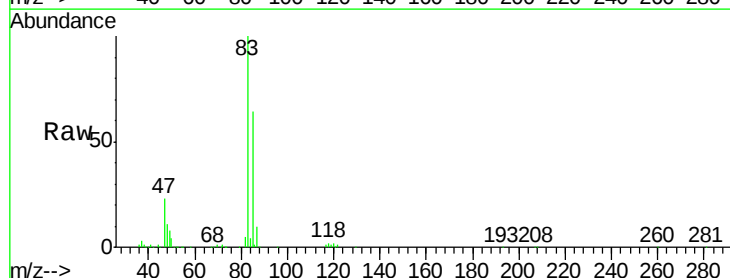
RT: 7.37 min Scan# 1798

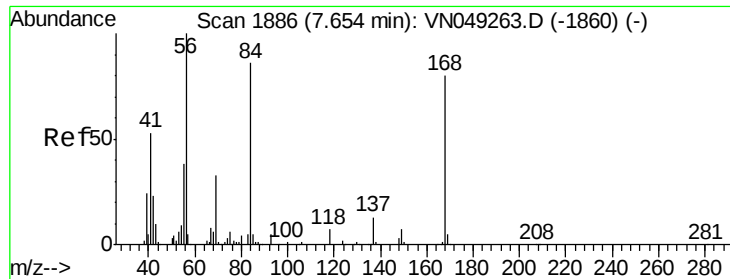
Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Tgt Ion:	83	Resp:	800676
Ion Ratio		Lower	Upper
83	100		
85	64.4	51.7	77.5





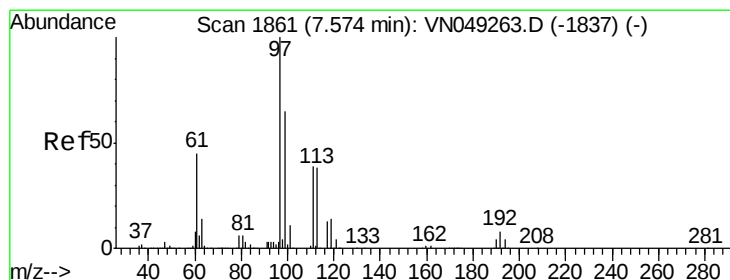
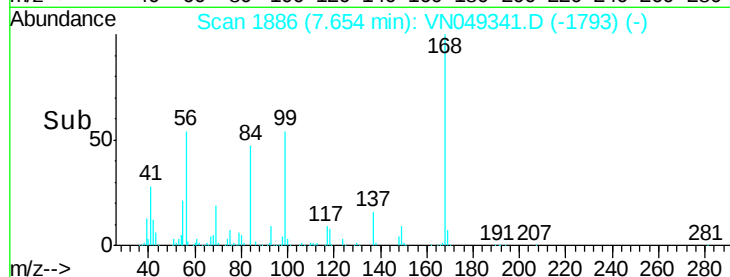
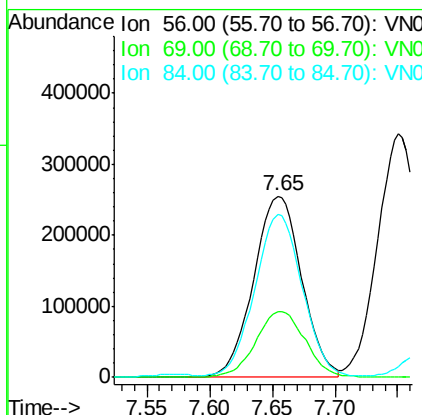
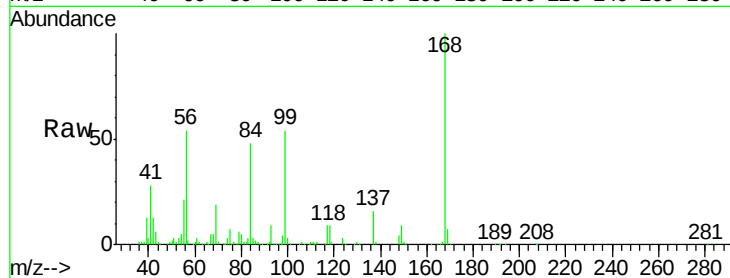
#31
Cyclohexane
Concen: 20.609 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	25.0	37.4
84	88.4	64.6	96.8

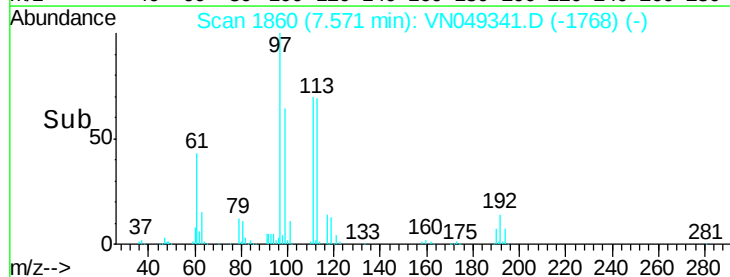
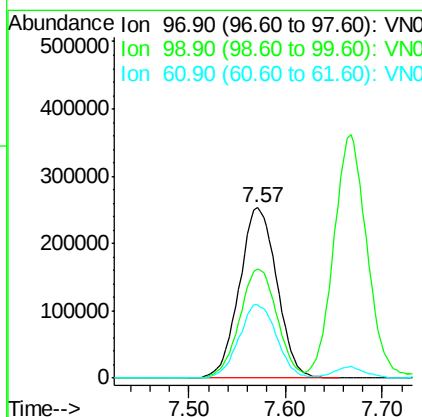
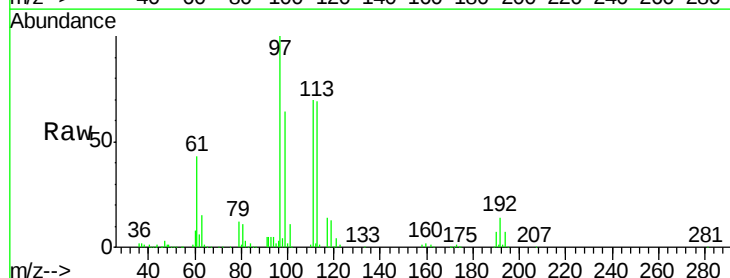
Manual Integrations
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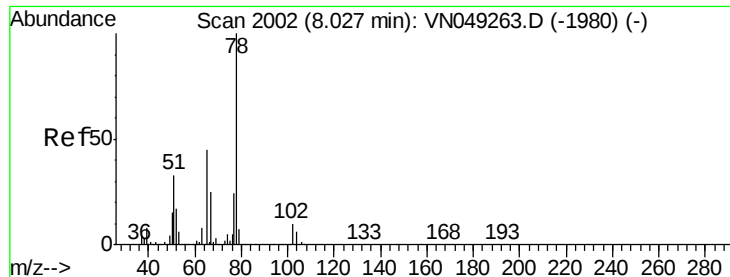
MMDadoda
6/19/2018 1:55:43 PM



#32
1,1,1-Trichloroethane
Concen: 20.777 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.5	75.7
61	43.3	37.9	56.9





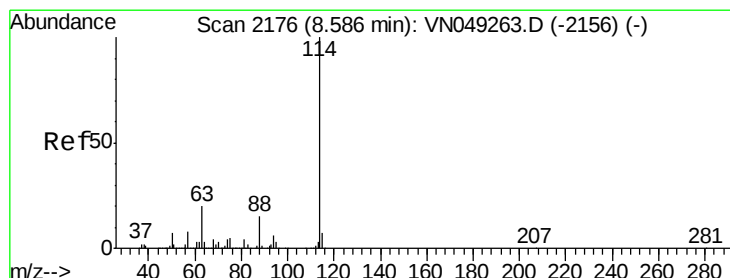
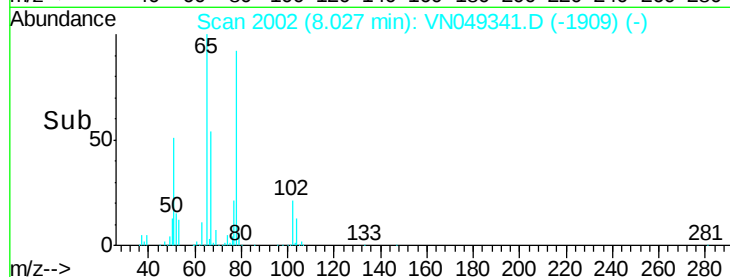
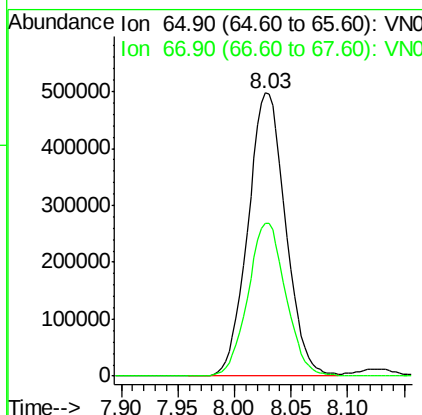
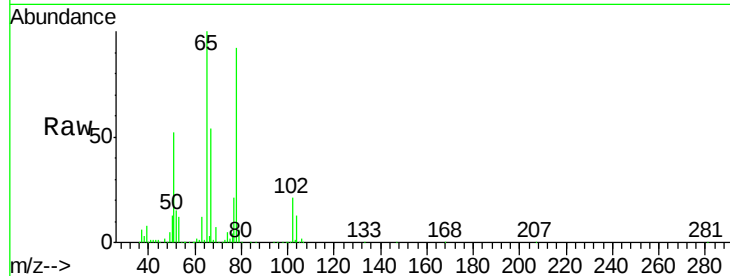
#33
 1,2-Dichloroethane-d4
 Concen: 51.812 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion: 65 Resp: 1150869
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 103.8

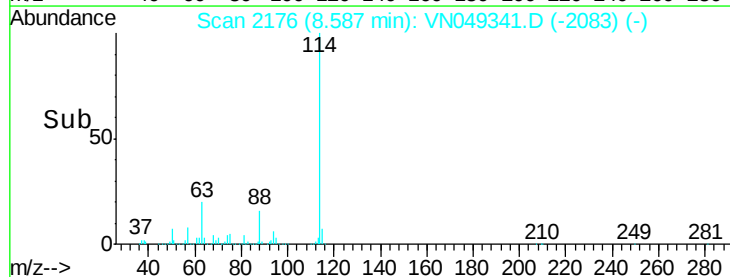
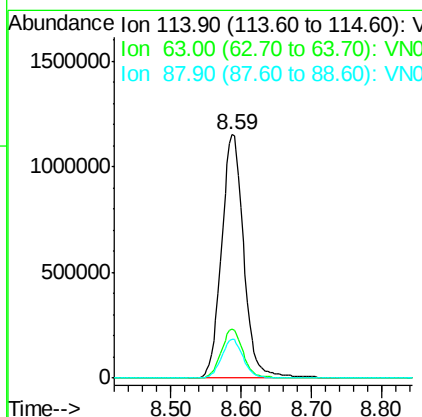
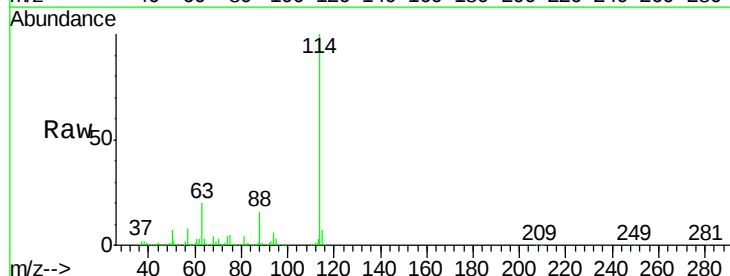
Manual Integrations
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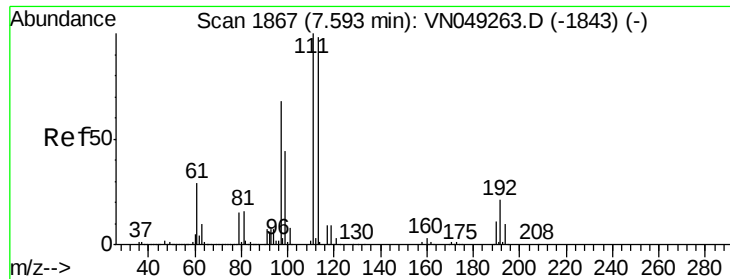
MMDadoda
 6/19/2018 1:55:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion: 114 Resp: 2540609
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 44.4
 88 16.0 0.0 31.4





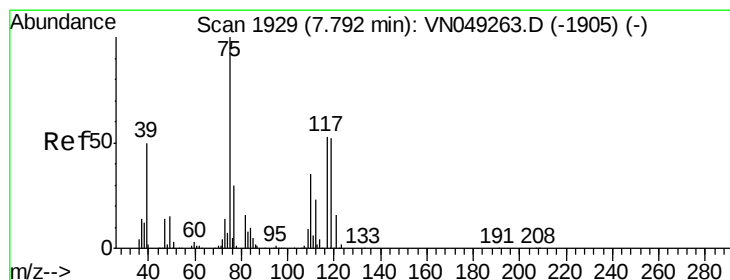
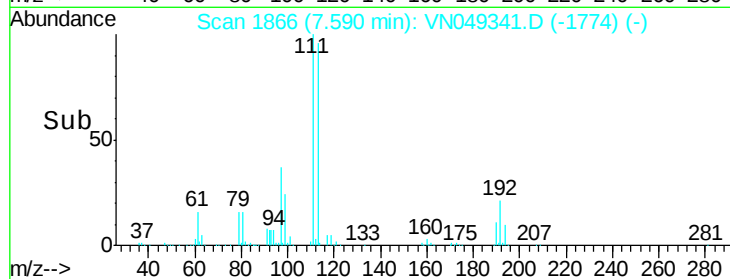
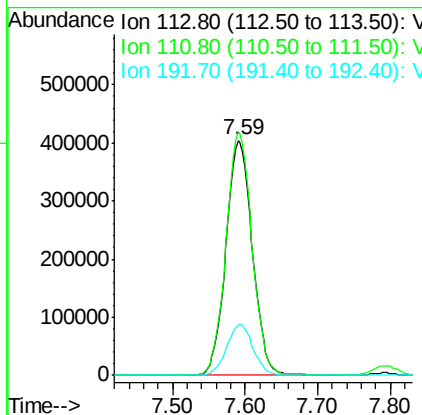
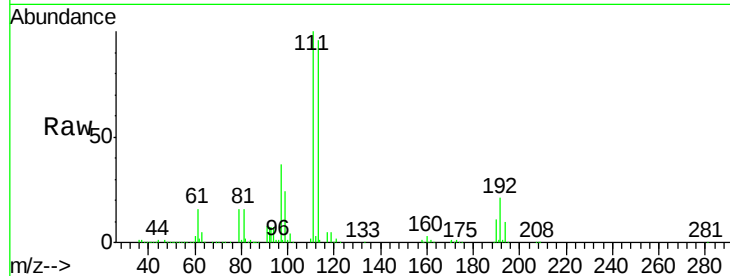
#35
 Dibromofluoromethane
 Concen: 49.767 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	21.7	15.0	22.6

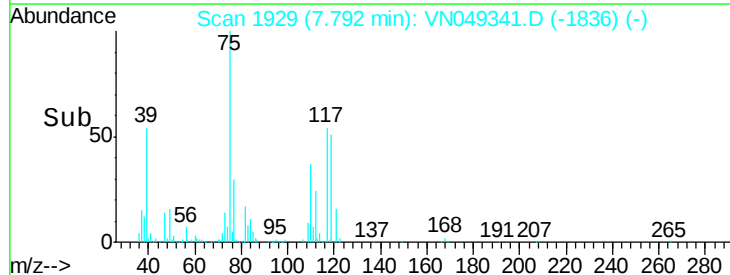
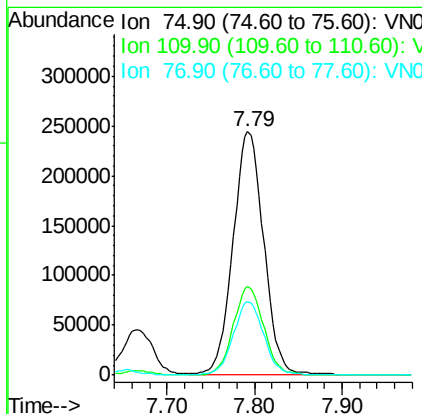
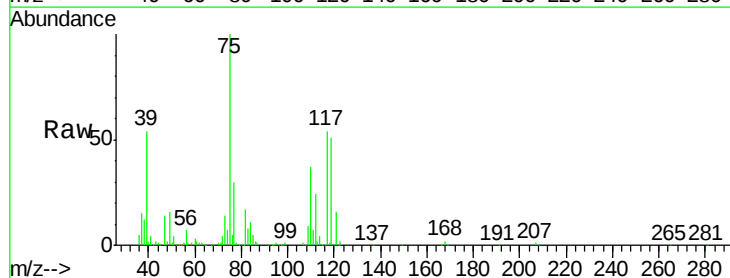
Manual Integrations
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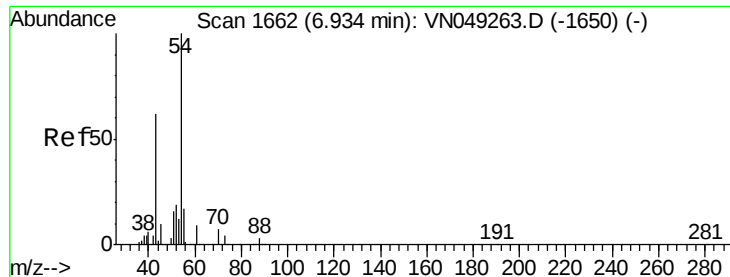
MMDadoda
 6/19/2018 1:55:43 PM



#36
 1,1-Dichloropropene
 Concen: 20.361 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.0	50.9
77	30.5	24.4	36.6





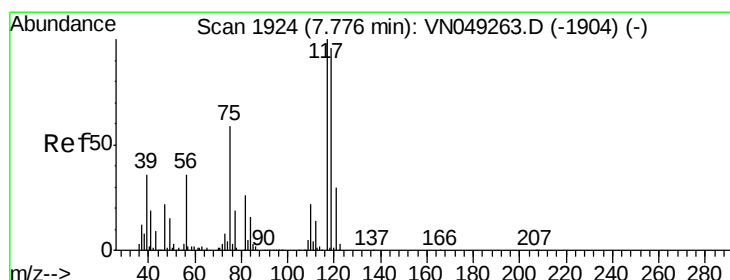
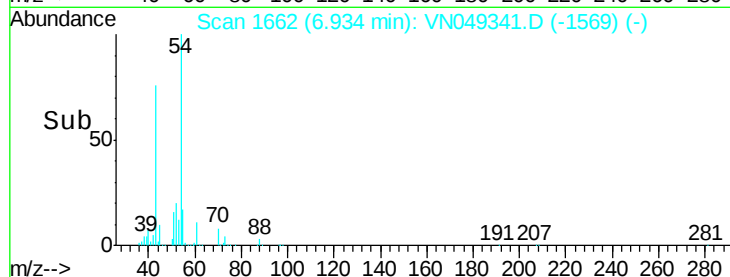
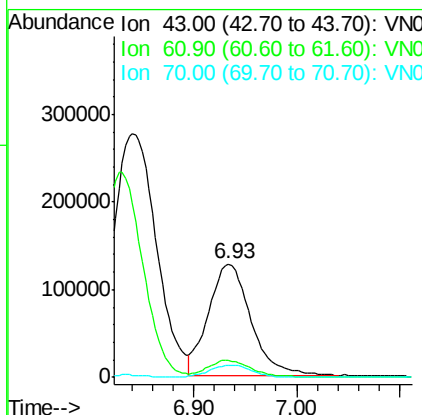
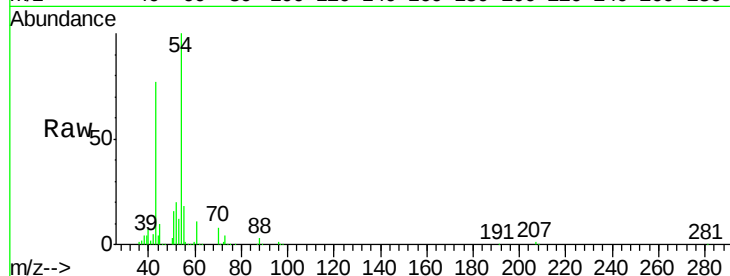
#37
Ethyl Acetate
Concen: 23.085 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.0	16.4
70	10.5	7.2	10.8

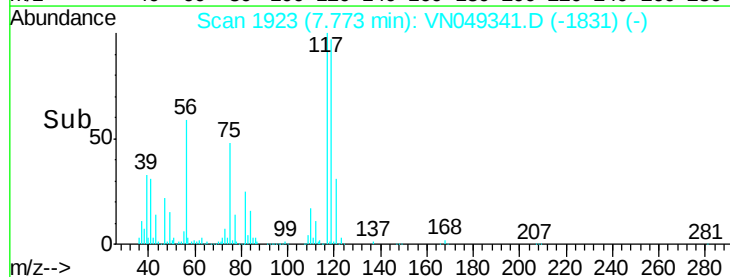
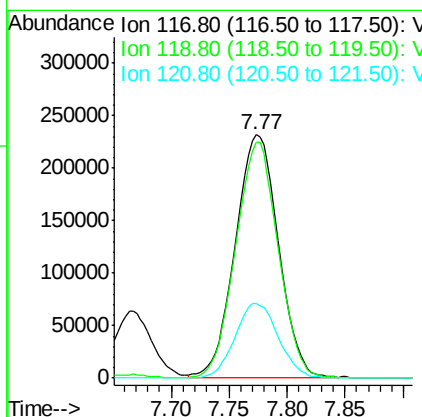
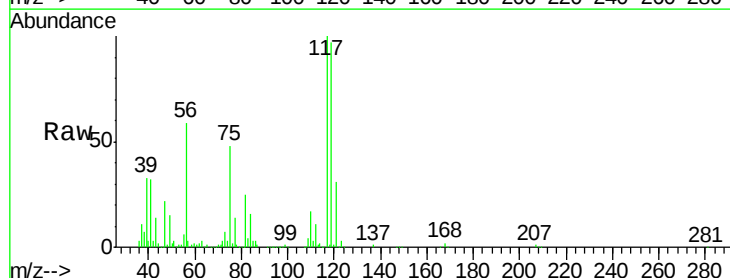
Manual Integrations
APPROVED

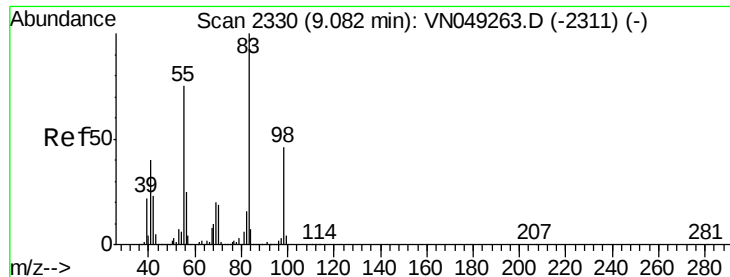
MMDadoda
6/19/2018 1:55:43 PM



#38
Carbon Tetrachloride
Concen: 19.780 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.6	113.4
121	30.7	24.7	37.1





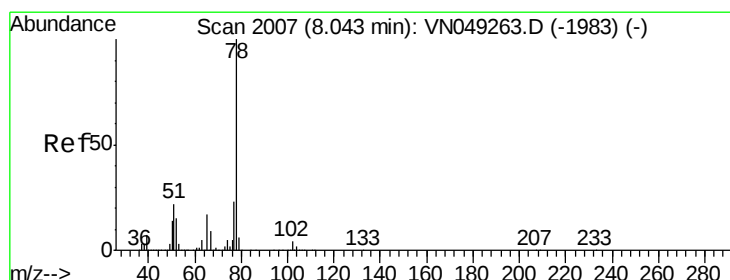
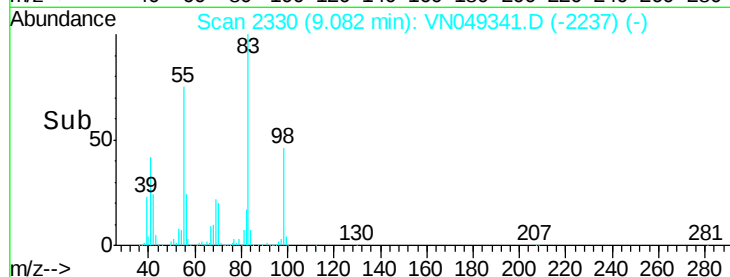
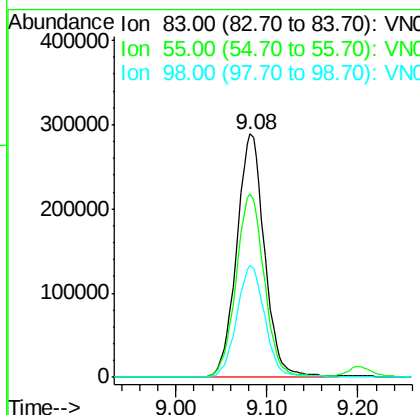
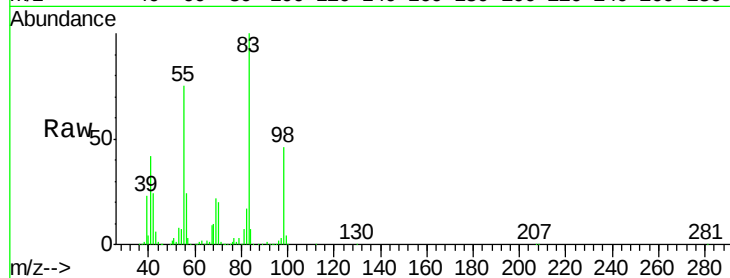
#39
Methvlcvclohexane
Concen: 19.699 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	65.1	97.7
98	45.9	36.5	54.7

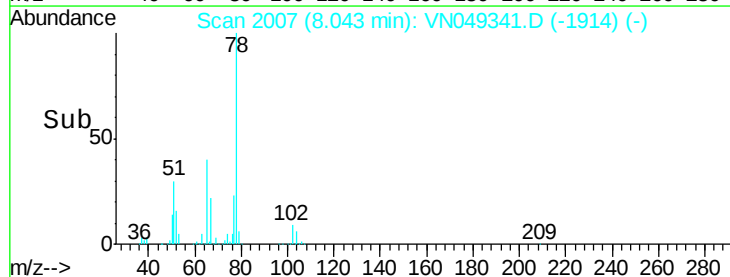
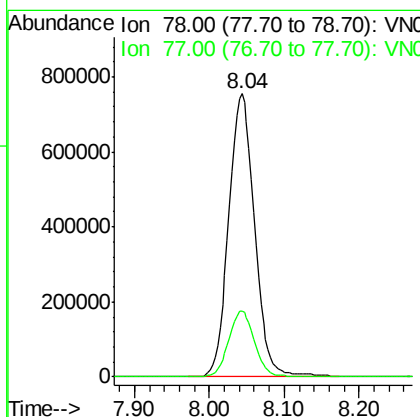
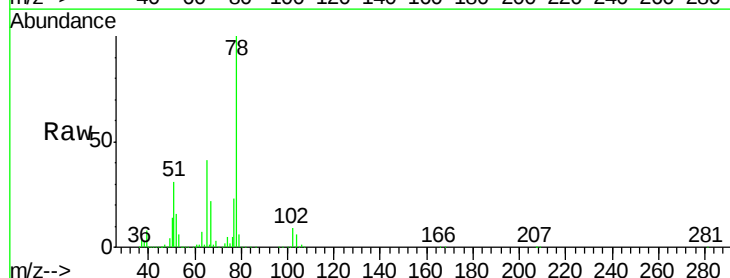
Manual Integrations
APPROVED

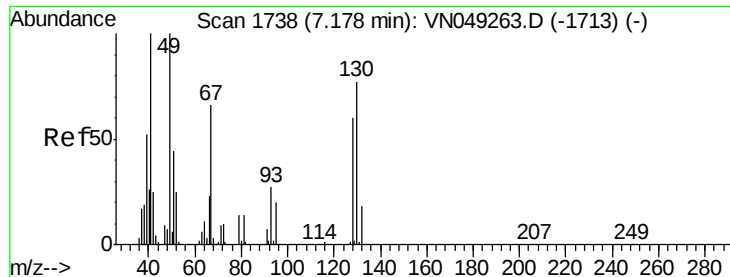
MMDadoda
6/19/2018 1:55:43 PM



#40
Benzene
Concen: 20.362 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0





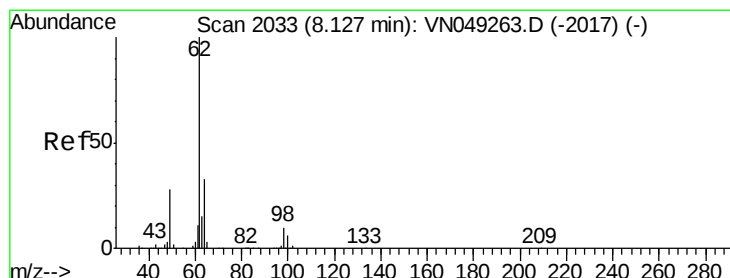
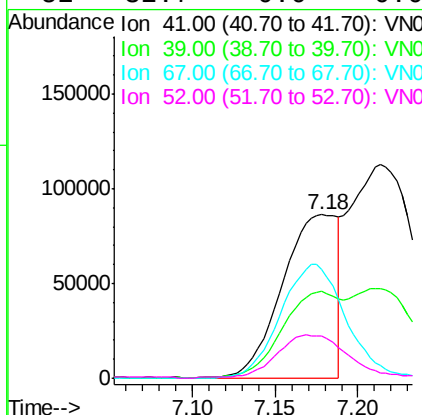
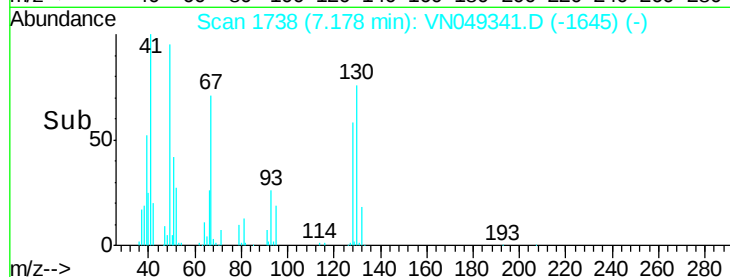
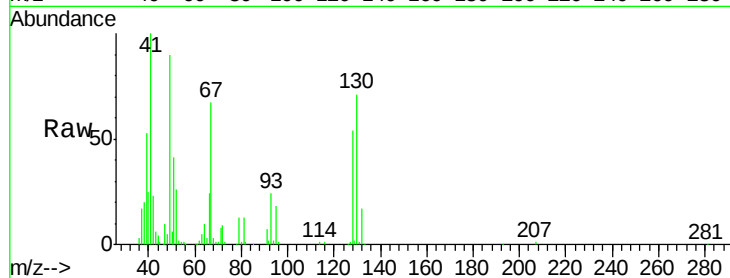
#41
Methacrylonitrile
Concen: 23.265 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	41	Resp	199096
Ion Ratio	Lower	Upper	
41	100		
39	55.6	0.0	0.0#
67	83.7	0.0	0.0#
52	32.7	0.0	0.0#

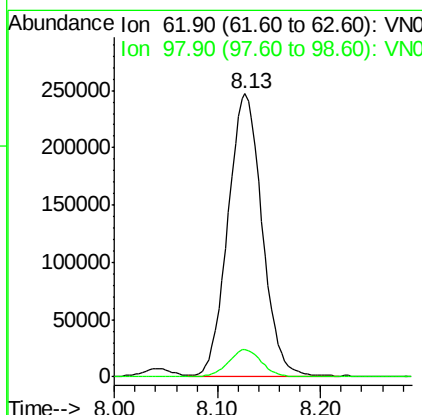
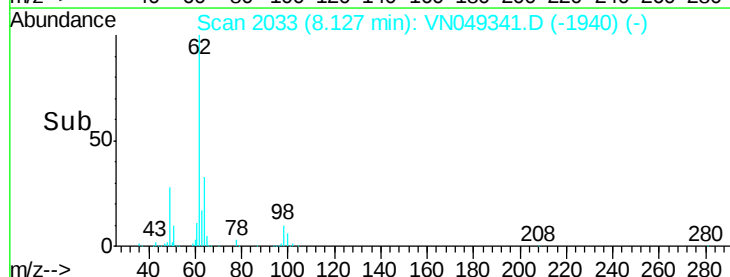
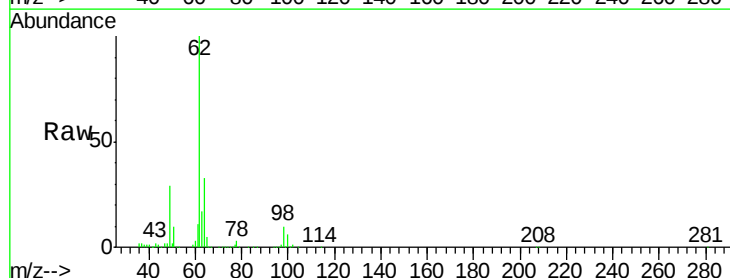
Manual Integrations
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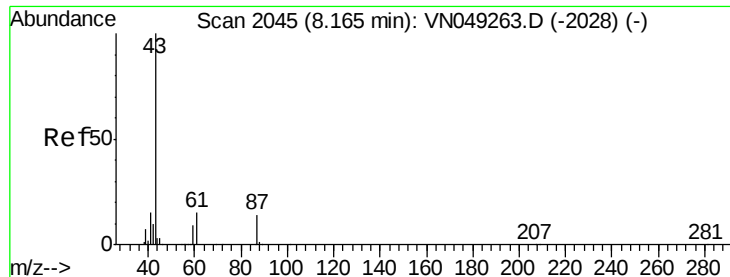
MMDadoda
6/19/2018 1:55:43 PM



#42
1,2-Dichloroethane
Concen: 20.590 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion	62	Resp	567881
Ion Ratio	Lower	Upper	
62	100		
98	9.6	0.0	16.2





#43

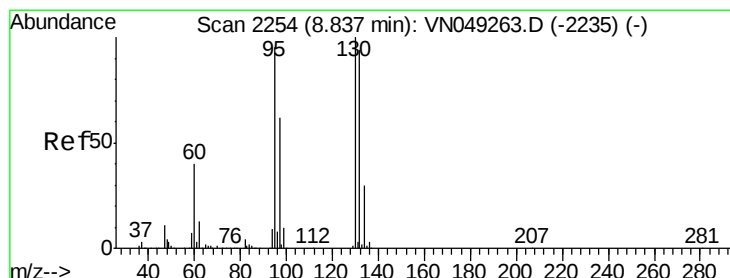
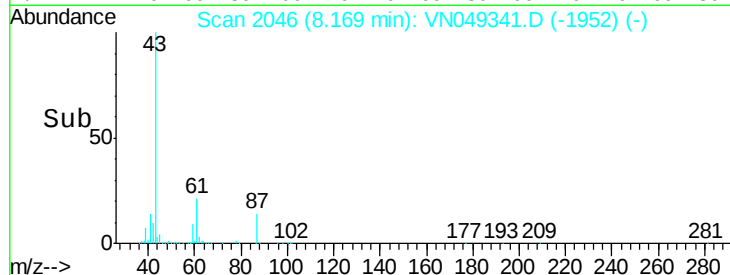
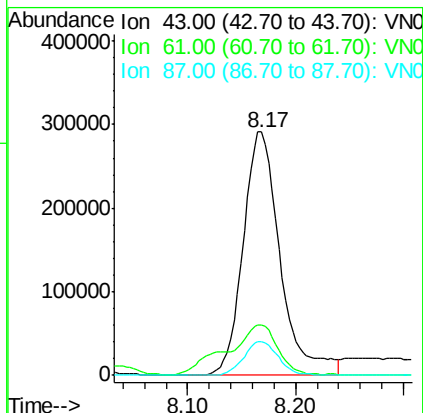
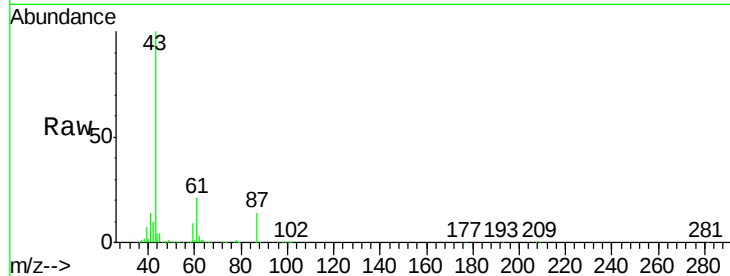
Isopropyl Acetate
 Concen: 22.946 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.2	21.4
87	13.1	9.4	14.0

Manual Integrations
 APPROVED

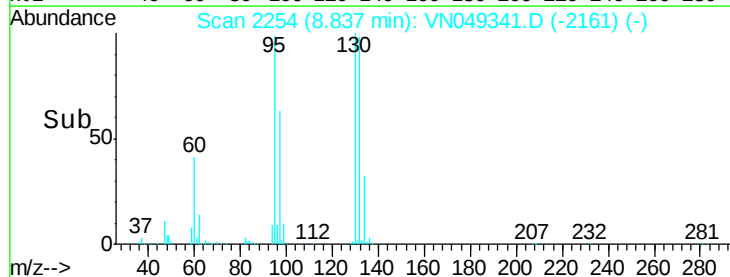
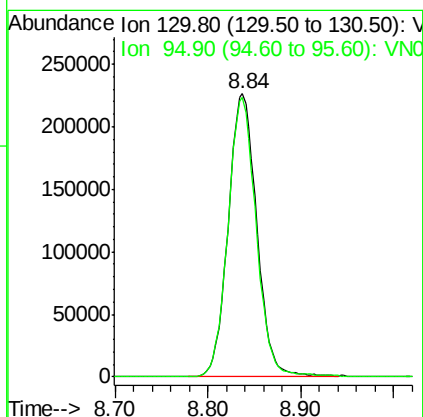
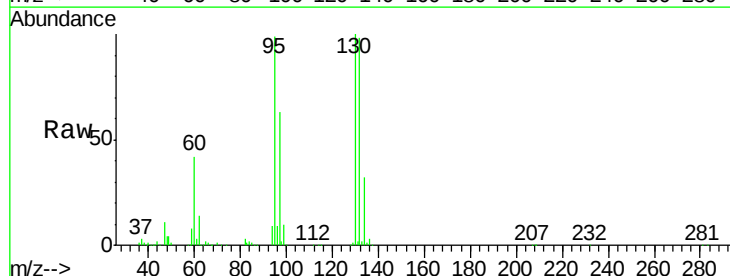
MMDadoda
 6/19/2018 1:55:43 PM

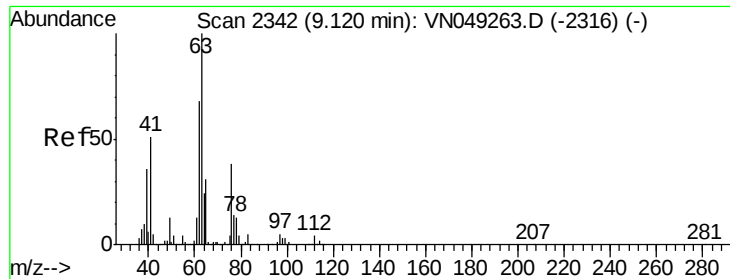


#44

Trichloroethene
 Concen: 20.537 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	208.6





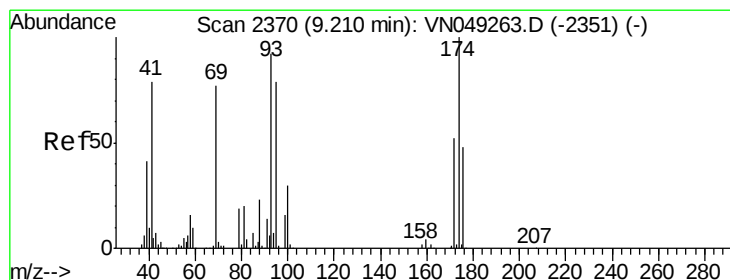
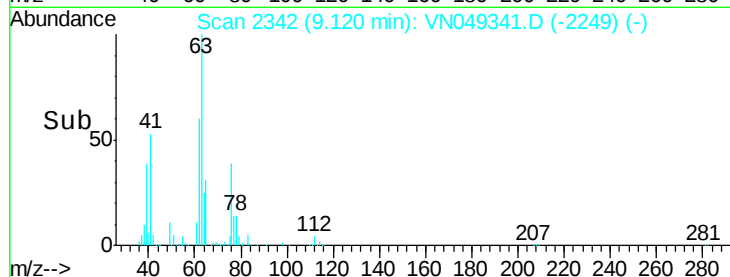
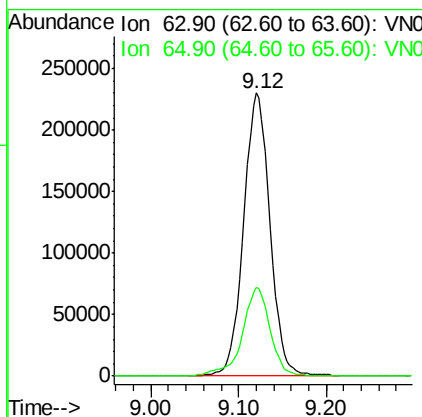
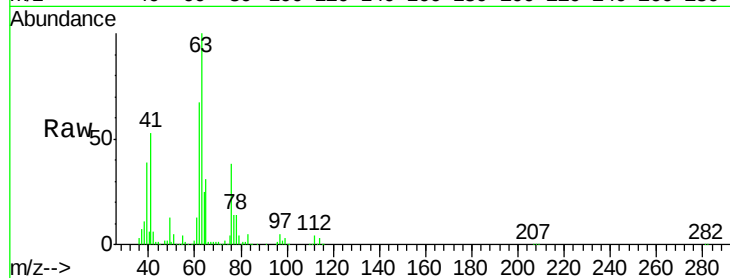
#45
 1,2-Dichloropropane
 Concen: 20.603 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion: 63 Resp: 481580
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.8 37.2

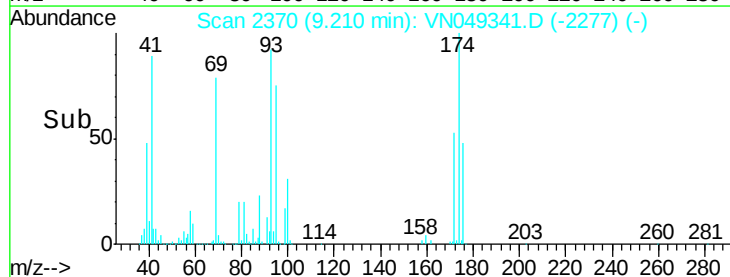
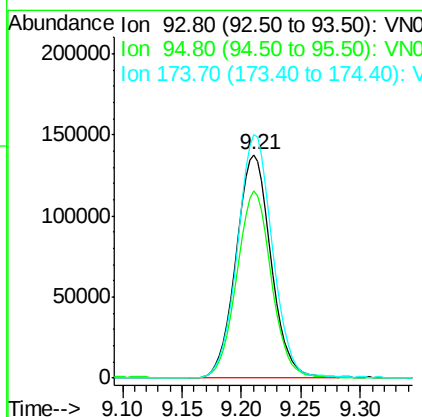
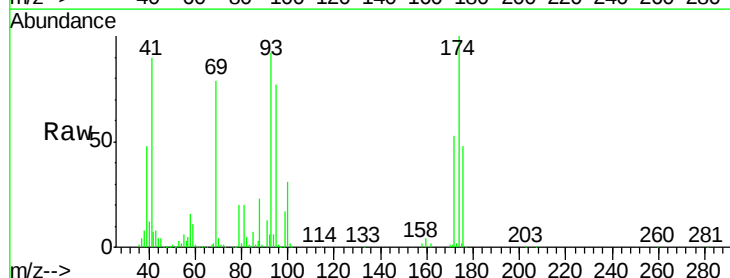
Manual Integrations
 APPROVED

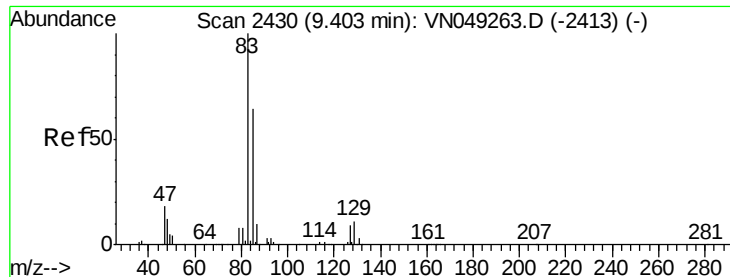
MMDadoda
 6/19/2018 1:55:43 PM



#46
 Dibromomethane
 Concen: 20.684 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion: 93 Resp: 280336
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.2 100.8
 174 108.9 75.6 113.4





#47

Bromodichloromethane

Concen: 20.426 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

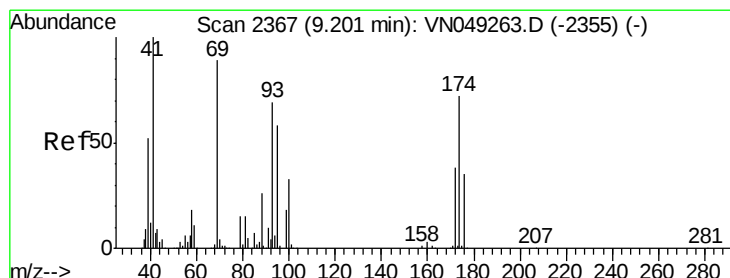
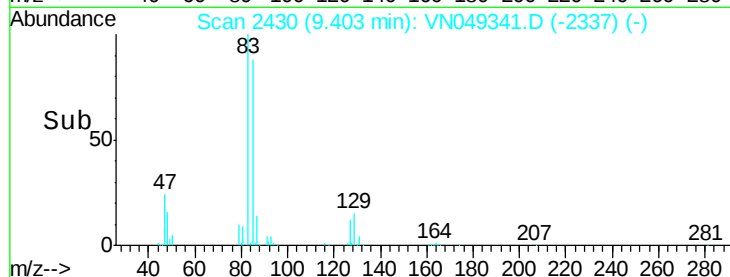
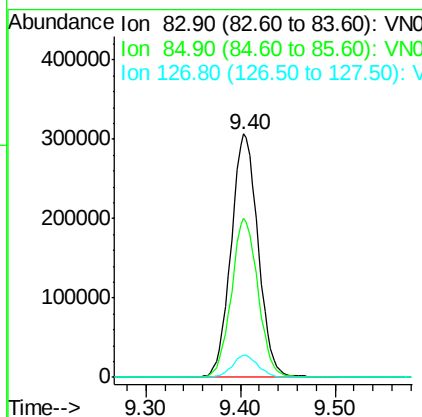
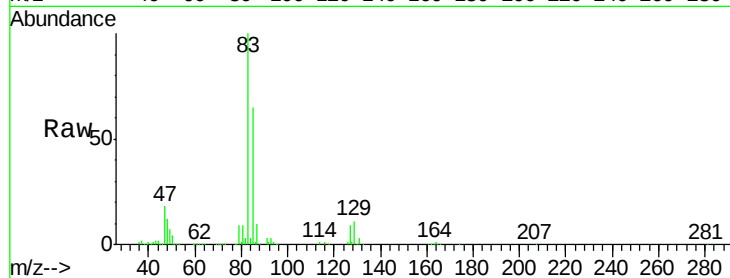
ClientSampleId :

VN0618WBS01

Tot Ion:	83	Resp:	608364
Ion Ratio	Lower	Upper	
83	100		
85	65.3	49.4	74.0
127	9.2	6.3	9.5

Manual Integrations
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6/19/2018 1:55:43 PM



#48

Methyl methacrylate

Concen: 22.726 ug/l

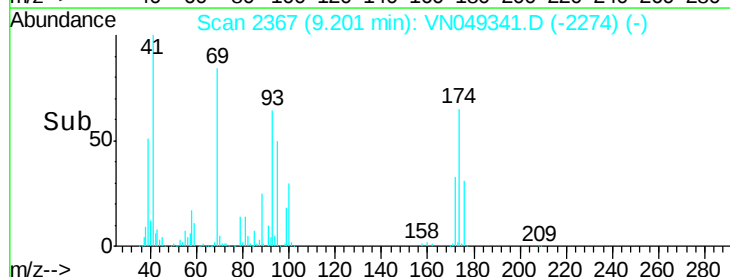
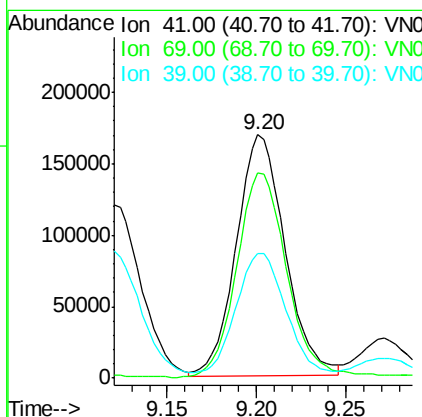
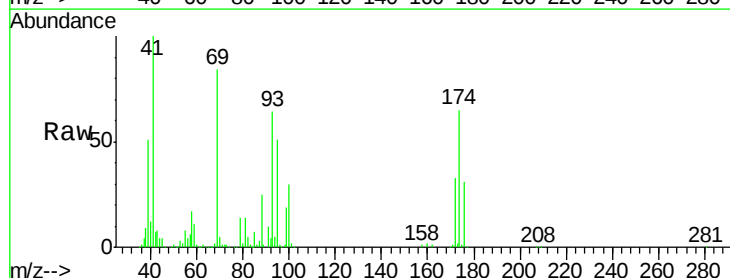
RT: 9.20 min Scan# 2367

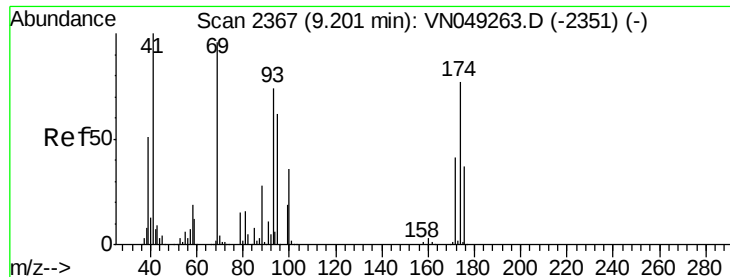
Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Tgt Ion:	41	Resp:	323683
Ion Ratio	Lower	Upper	
41	100		
69	87.2	62.0	93.0
39	53.5	50.6	75.8





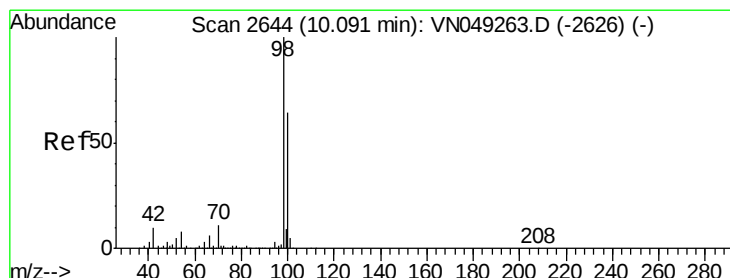
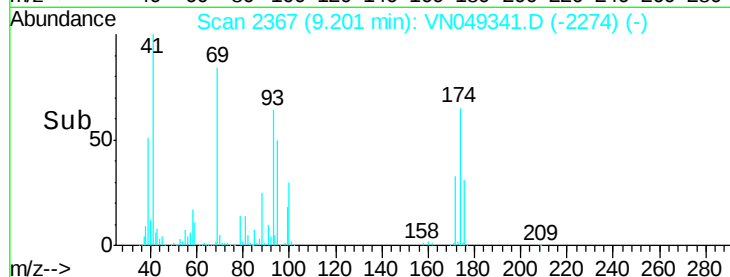
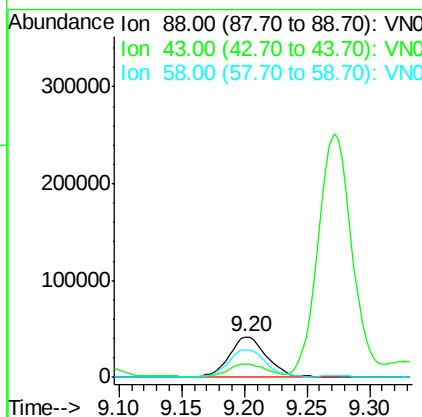
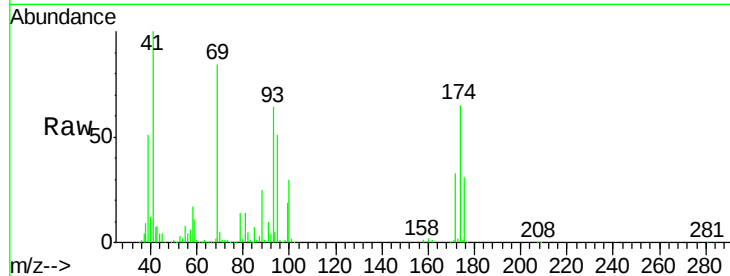
#49
1,4-Dioxane
Concen: 444.855 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	88	Resp	87447
Ion Ratio	Lower	Upper	
88	100		
43	31.6	30.9	46.3
58	69.2	58.9	88.3

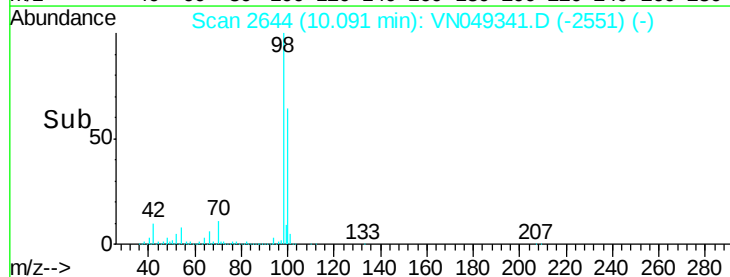
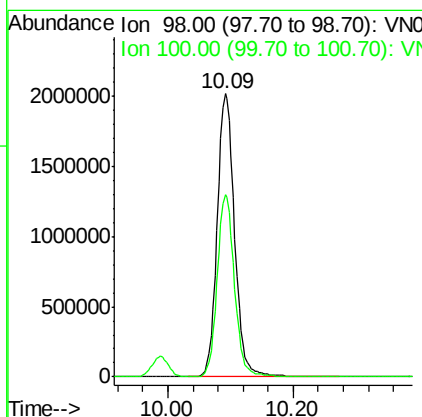
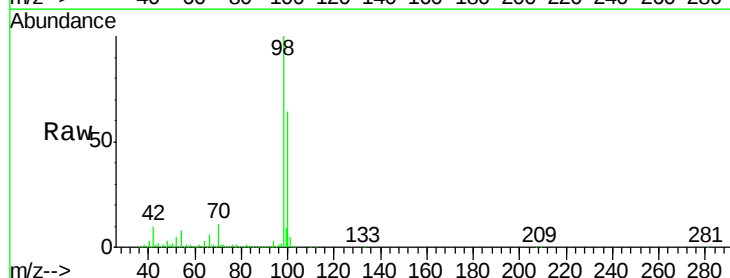
Manual Integrations
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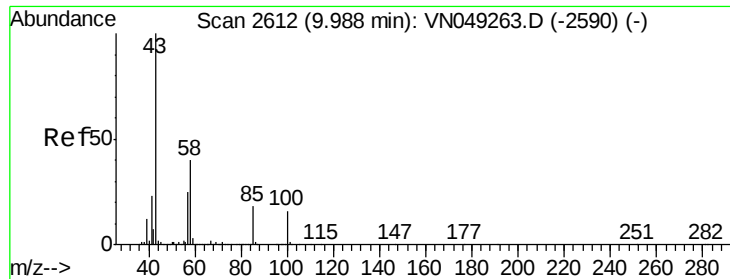
MMDadoda
6/19/2018 1:55:43 PM



#50
Toluene-d8
Concen: 49.577 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion	98	Resp	3880173
Ion Ratio	Lower	Upper	
98	100		
100	64.1	49.8	74.8





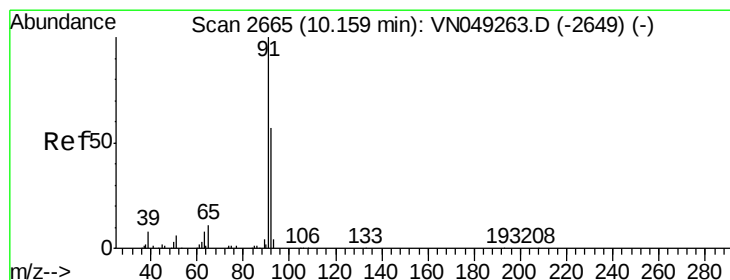
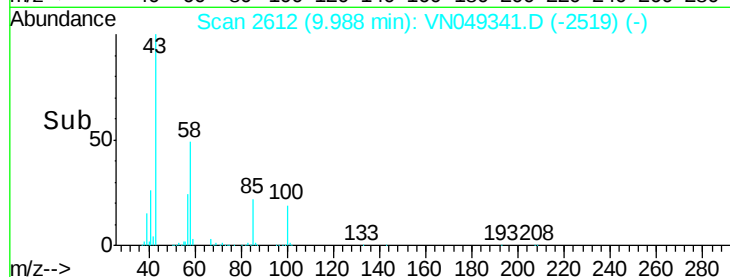
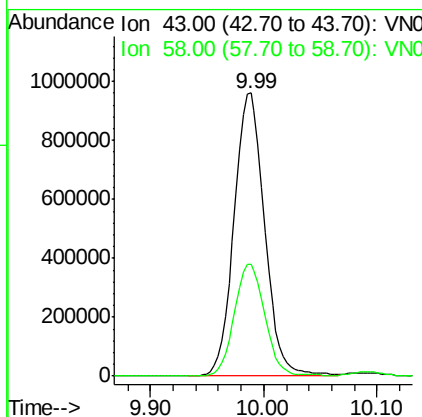
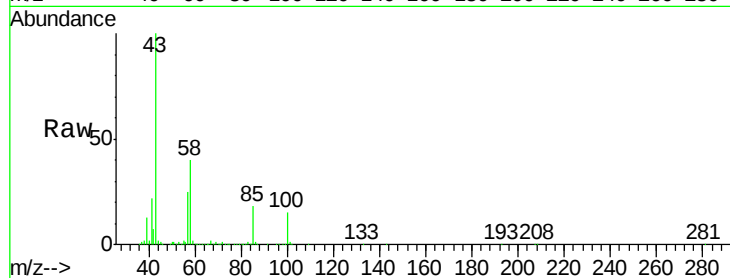
#51
4-Methyl-2-Pentanone
Concen: 114.161 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion: 43 Resp: 1809624
Ion Ratio Lower Upper
43 100
58 39.7 29.0 43.6

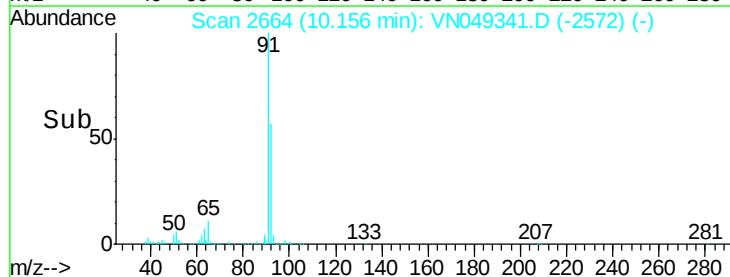
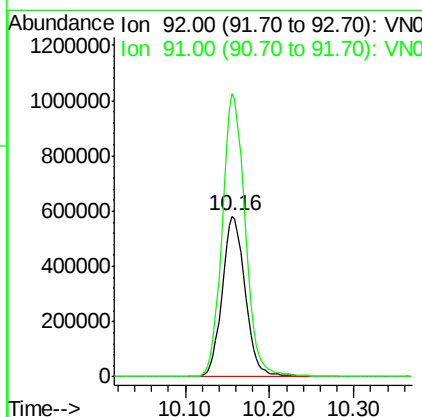
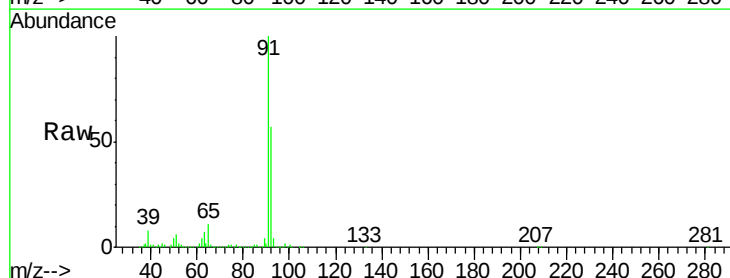
Manual Integrations
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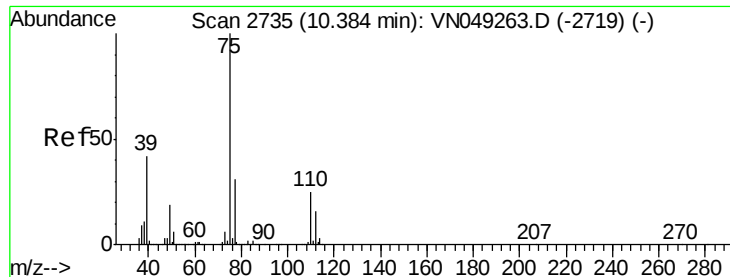
MMDadoda
6/19/2018 1:55:43 PM



#52
Toluene
Concen: 21.090 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 92 Resp: 1104973
Ion Ratio Lower Upper
92 100
91 176.7 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 20.629 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 75 Resp: 587767

Ion Ratio Lower Upper

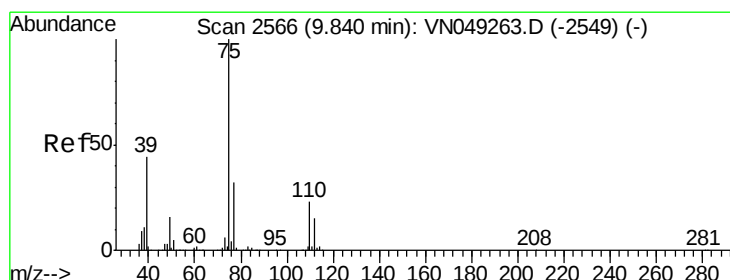
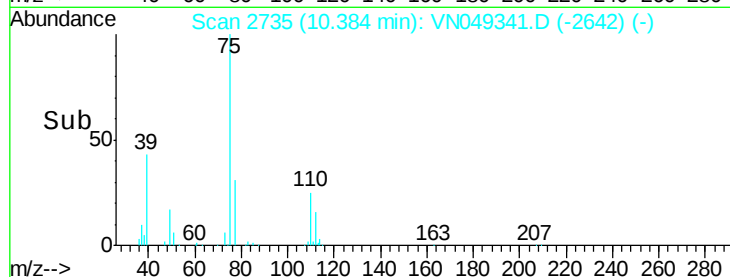
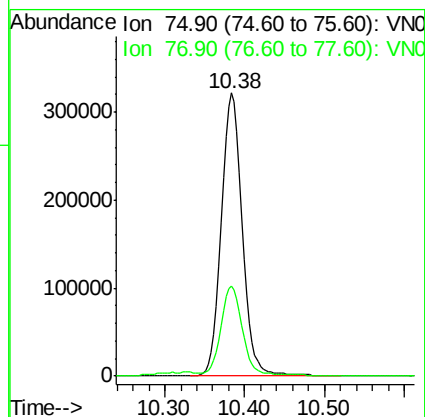
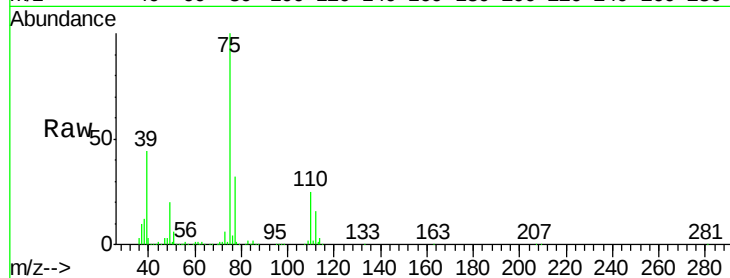
75 100

77 31.6 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.799 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

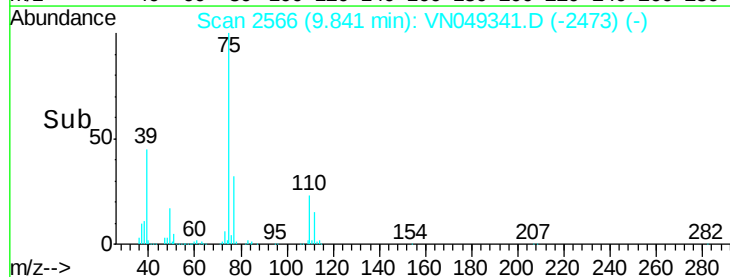
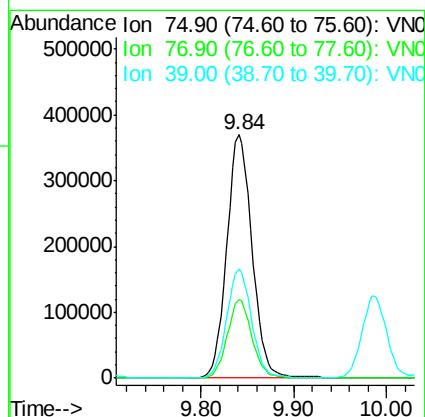
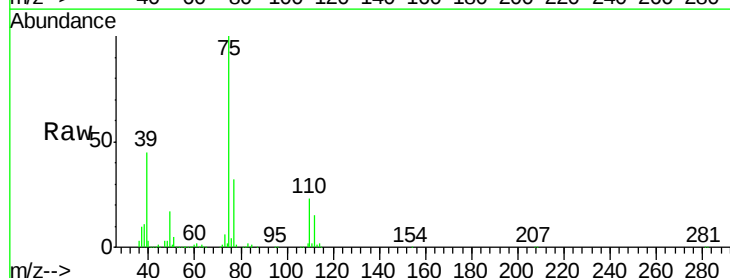
Tgt Ion: 75 Resp: 699702

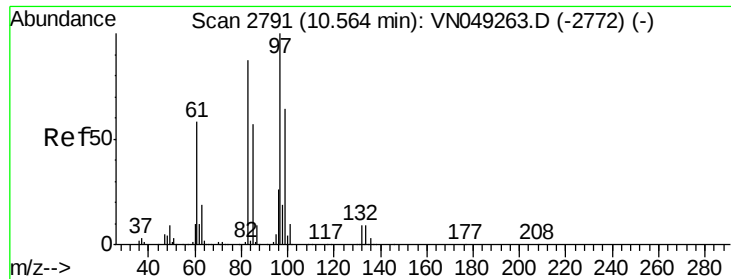
Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

39 44.6 45.1 67.7#





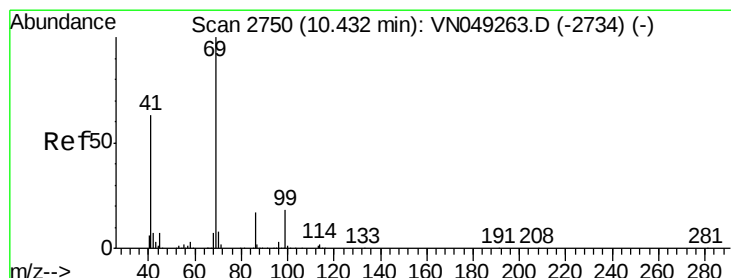
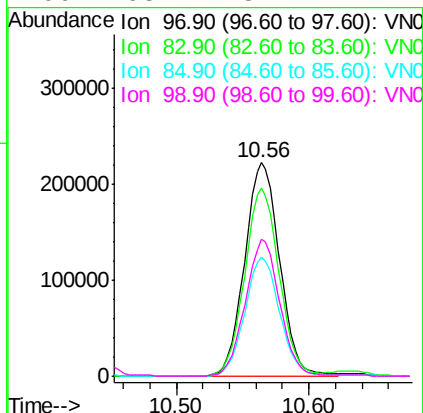
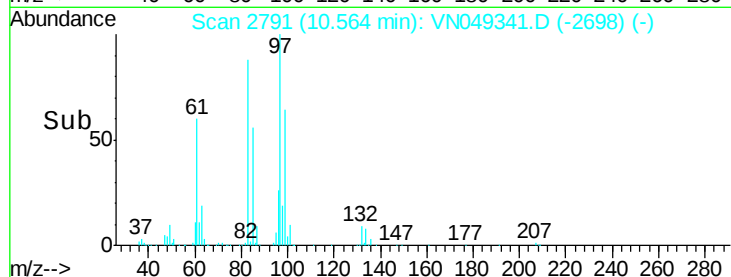
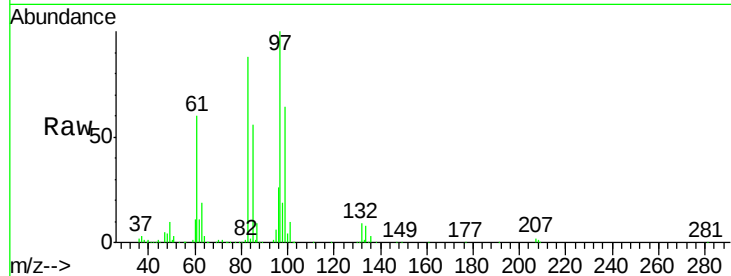
#55
 1,1,2-Trichloroethane
 Concen: 20.839 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.5	107.3
85	55.7	47.0	70.4
99	63.7	51.4	77.2

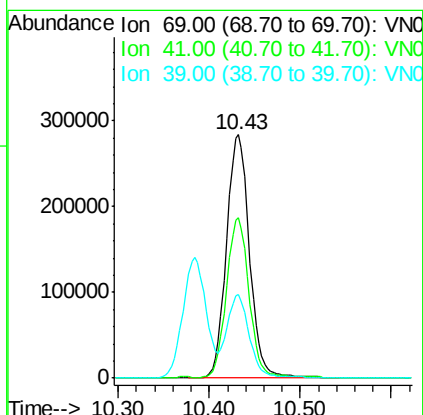
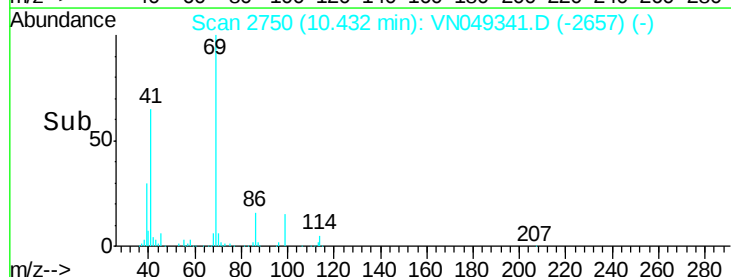
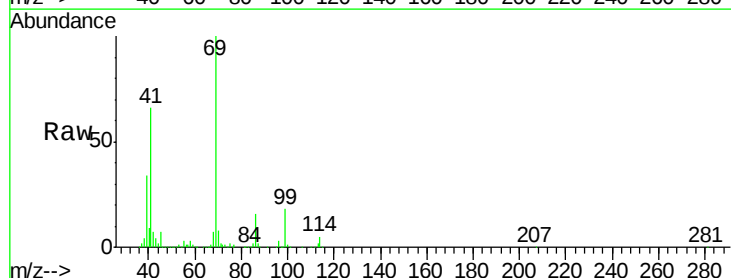
Manual Integrations
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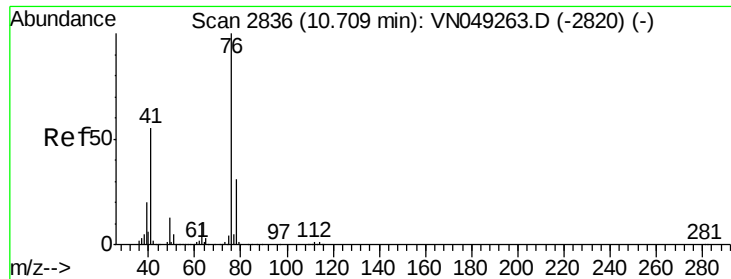
MMDadoda
 6/19/2018 1:55:43 PM



#56
 Ethyl methacrylate
 Concen: 22.207 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.2	58.4	87.6
39	33.4	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 20.846 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 76 Resp: 674513

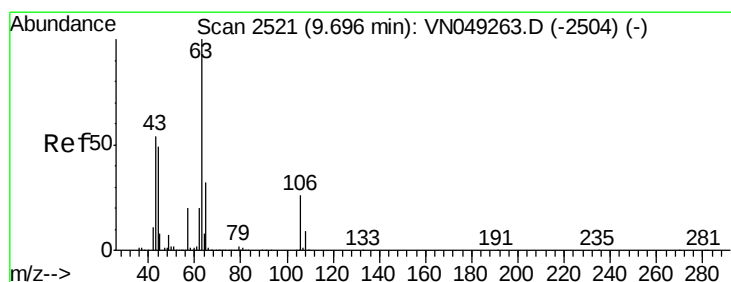
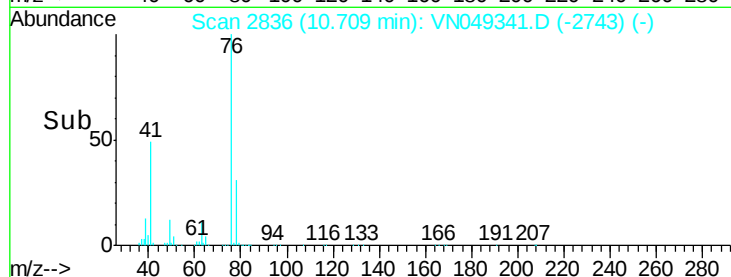
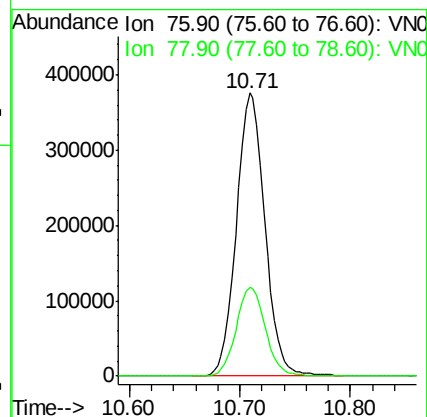
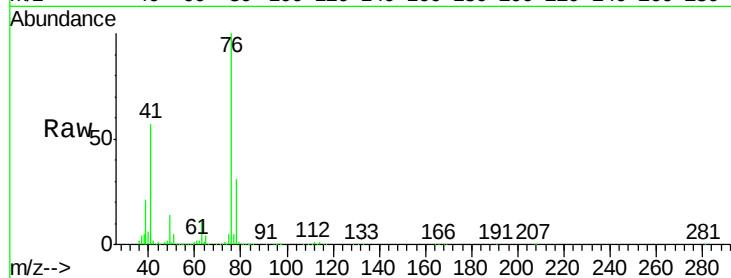
Ion Ratio Lower Upper

76 100

78 32.2 26.3 39.5

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:55:43 PM



#58

2-Chloroethyl Vinyl ether

Concen: 93.447 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049341.D

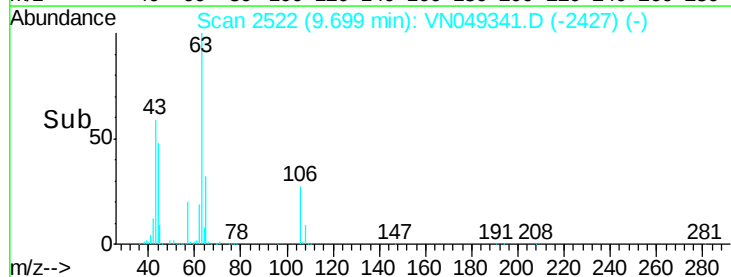
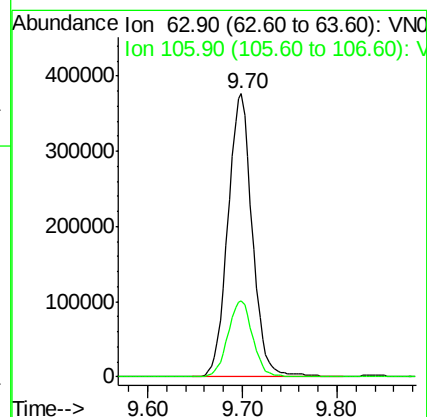
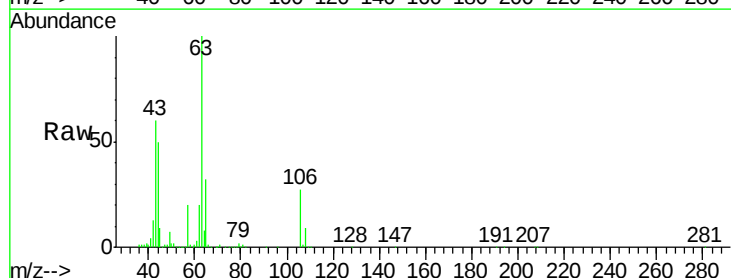
Acq: 18 Jun 2018 14:21

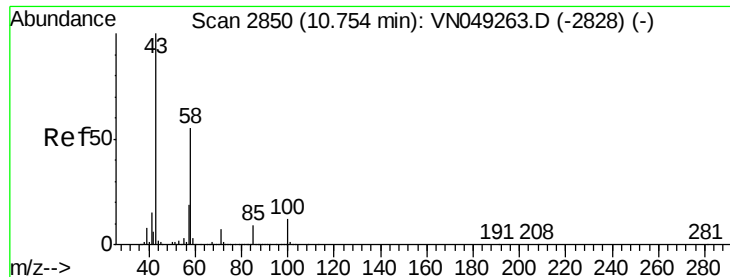
Tgt Ion: 63 Resp: 676130

Ion Ratio Lower Upper

63 100

106 27.2 19.4 29.2





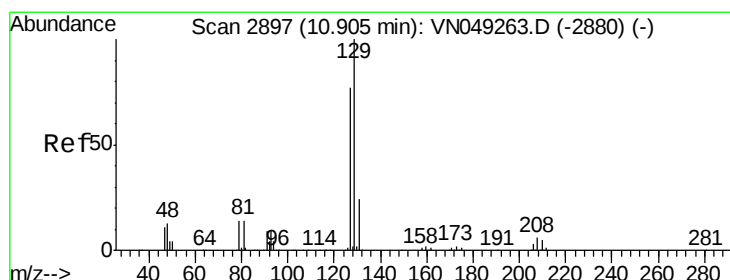
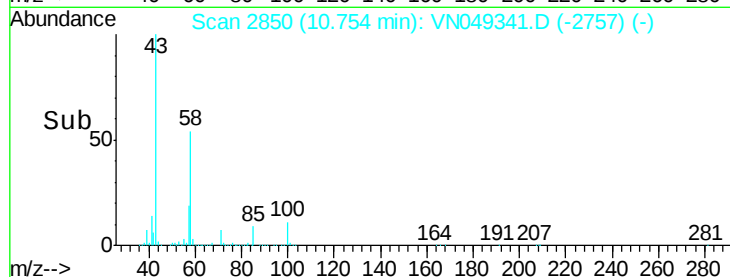
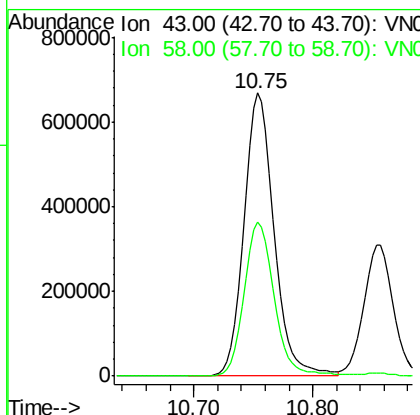
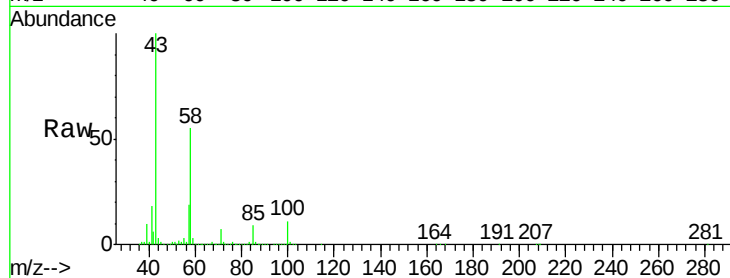
#59
2-Hexanone
Concen: 114.149 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion: 43 Resp: 1166546
Ion Ratio Lower Upper
43 100
58 54.5 25.2 75.6

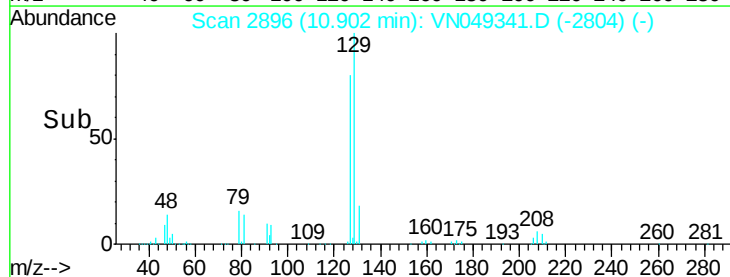
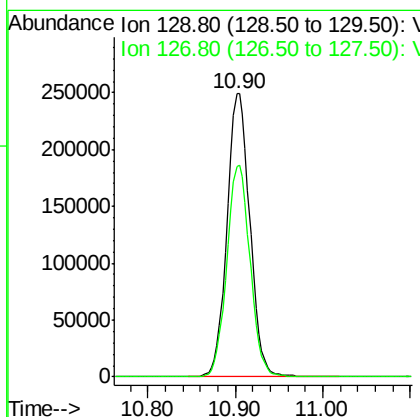
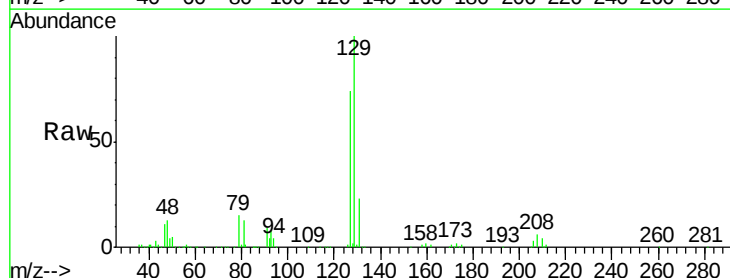
Manual Integrations
APPROVED

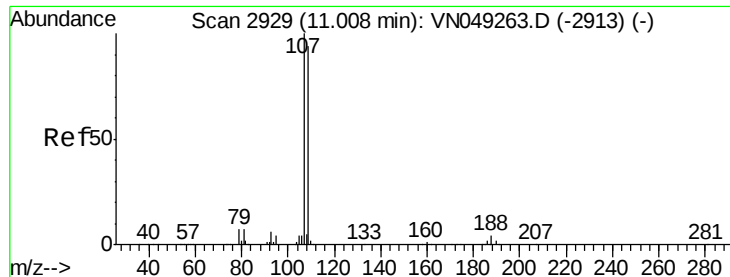
MMDadoda
6/19/2018 1:55:43 PM



#60
Dibromochloromethane
Concen: 20.764 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 129 Resp: 452653
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.194 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 107 Resp: 384795

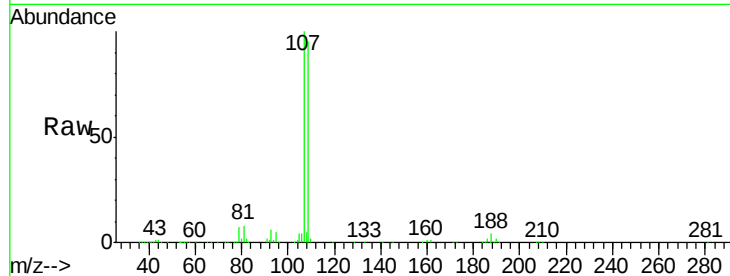
Ion Ratio Lower Upper

107 100

109 95.5 75.4 113.2

Manual Integrations
APPROVED

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6/19/2018 1:55:43 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

250000

200000

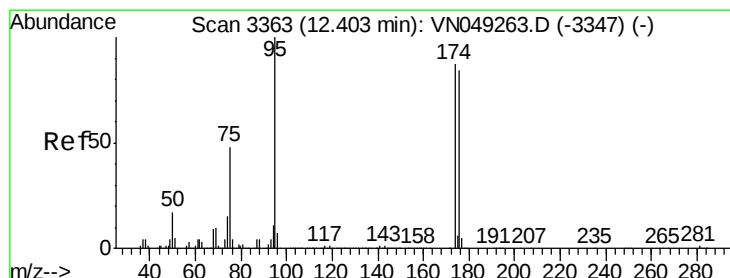
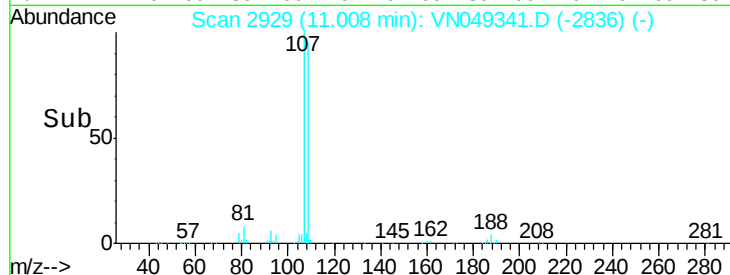
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.117 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

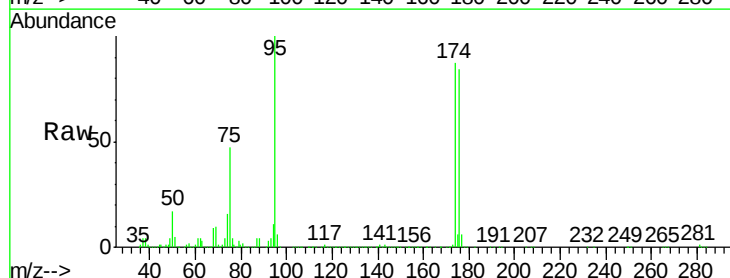
Tgt Ion: 95 Resp: 1271063

Ion Ratio Lower Upper

95 100

174 88.2 0.0 165.6

176 85.0 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

1000000

800000

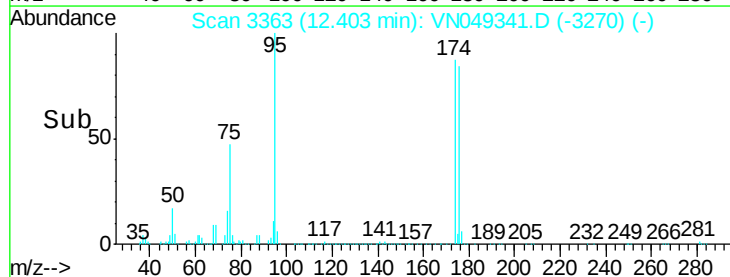
600000

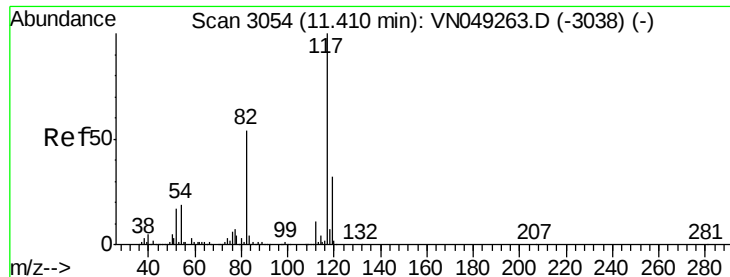
400000

200000

0

Time--> 12.30 12.40 12.50





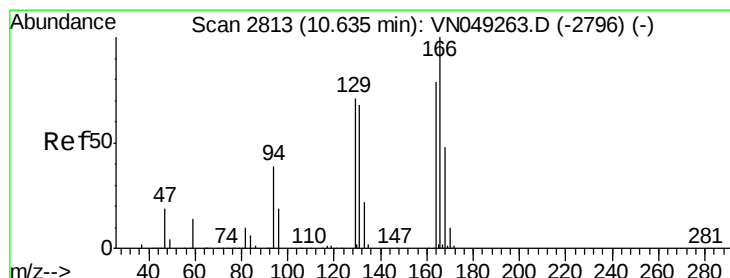
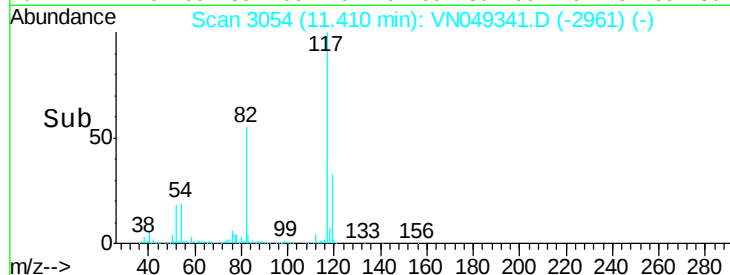
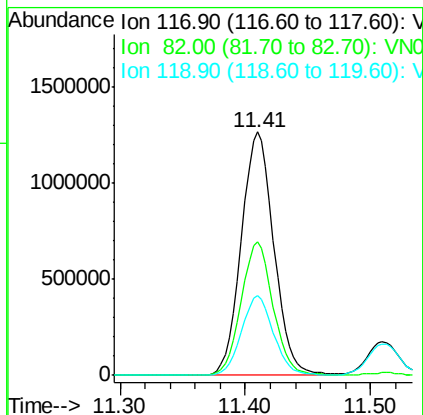
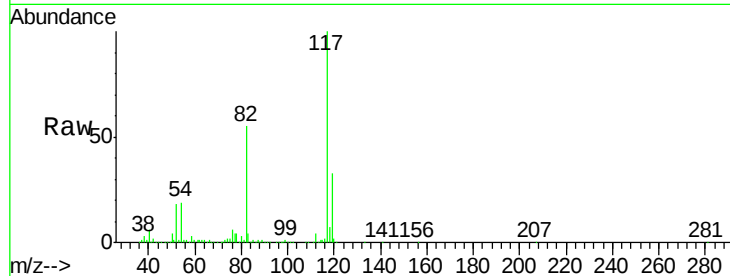
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.9	68.9
119	32.7	25.5	38.3

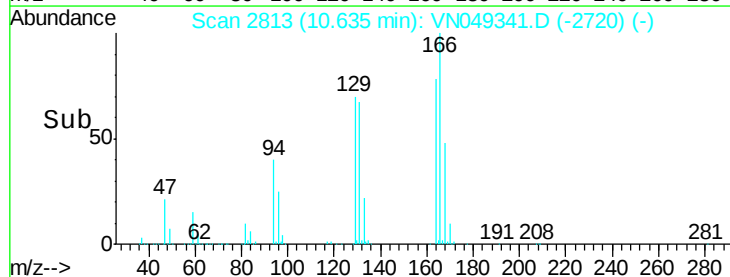
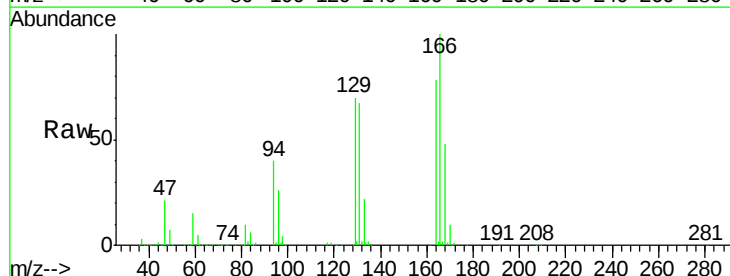
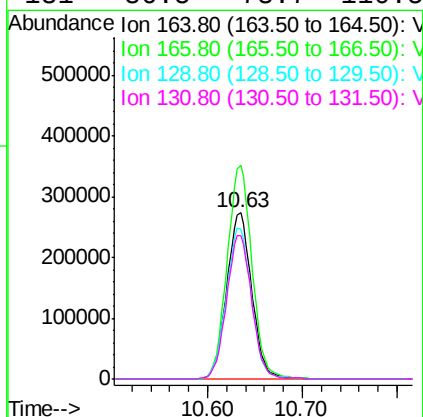
Manual Integrations
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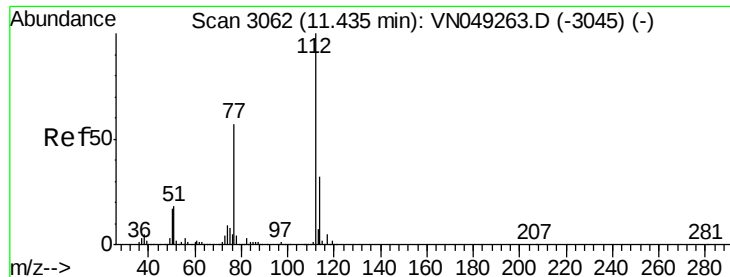
MMDadoda
6/19/2018 1:55:43 PM



#64
Tetrachloroethene
Concen: 21.402 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.4	152.2
129	90.5	74.1	111.1
131	86.5	73.7	110.5





#65

Chlorobenzene

Concen: 20.355 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion:112 Resp: 1198796

Ion Ratio Lower Upper

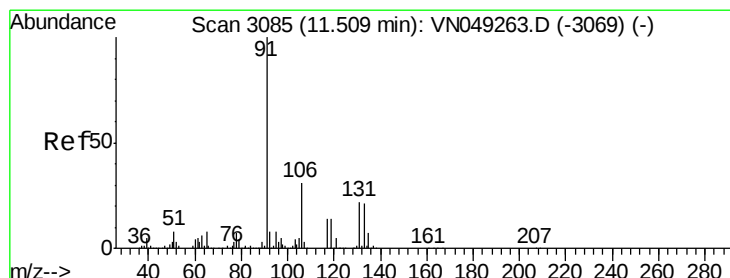
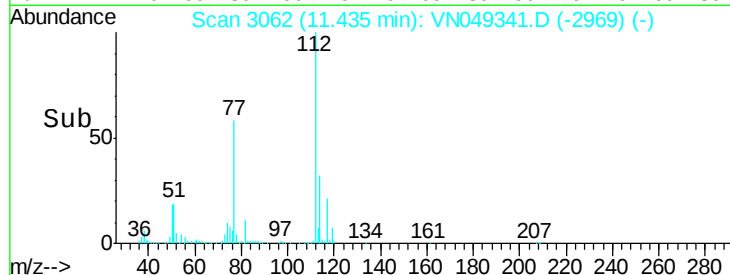
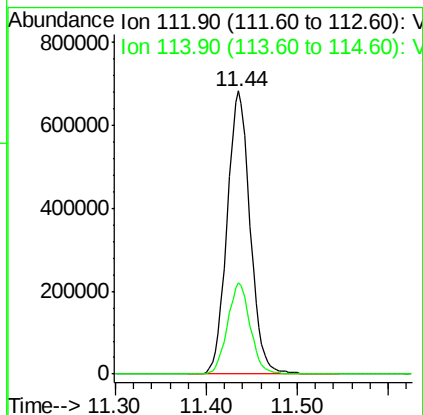
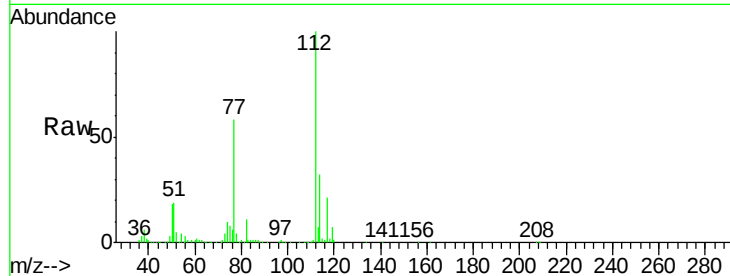
112 100

114 32.4 26.2 39.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.323 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

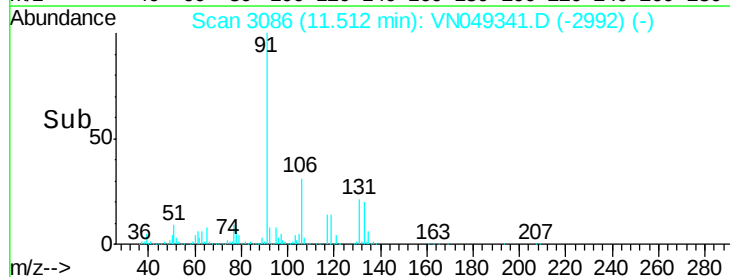
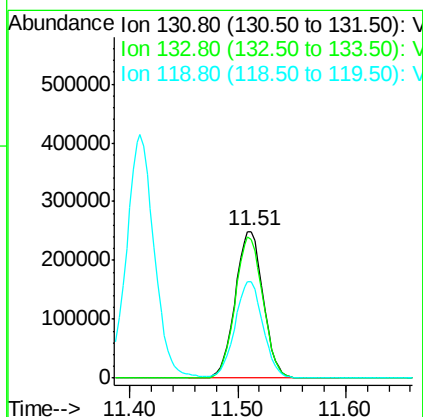
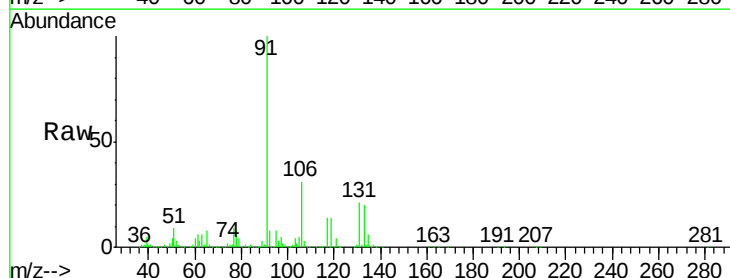
Tgt Ion:131 Resp: 450440

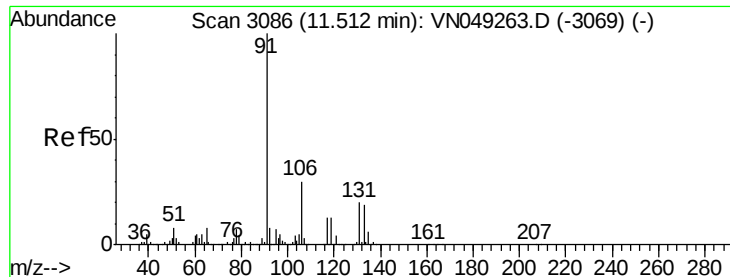
Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.2

119 65.9 33.6 100.8





#67

Ethyl Benzene

Concen: 20.991 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 91 Resp: 2050584

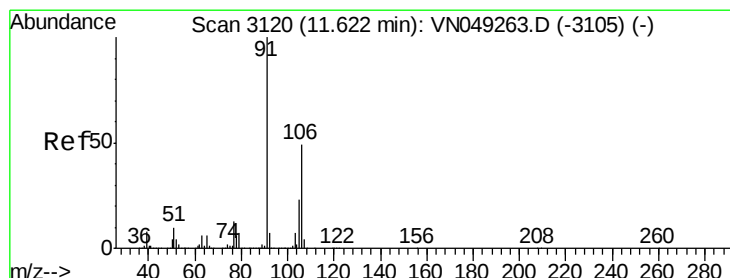
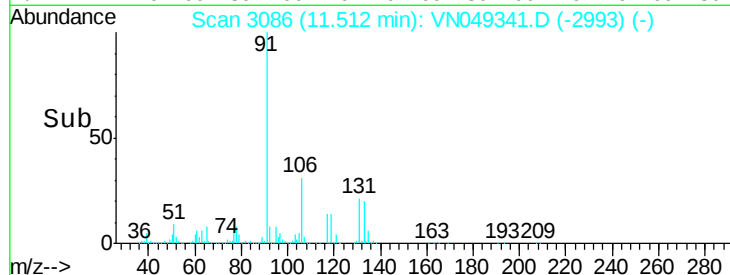
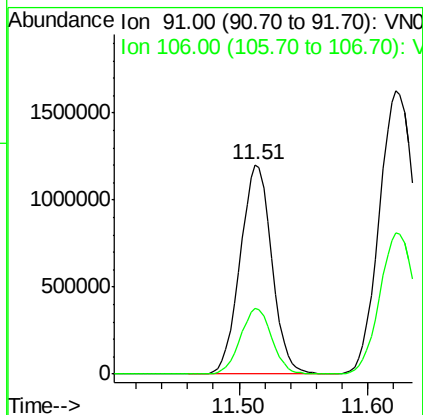
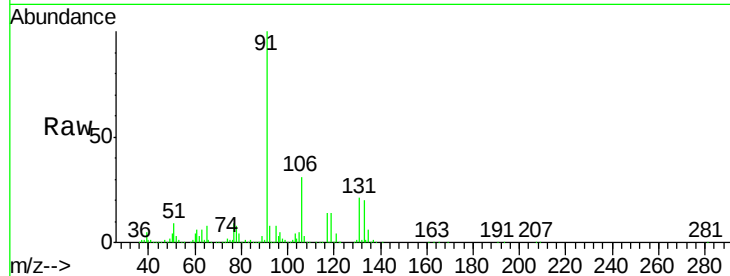
Ion Ratio Lower Upper

91 100

106 31.3 23.9 35.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 42.922 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049341.D

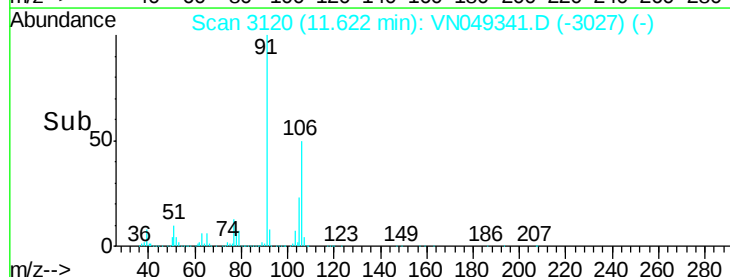
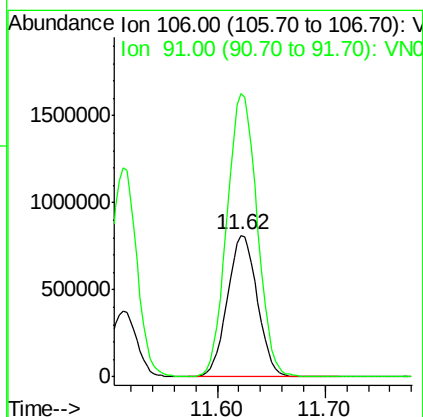
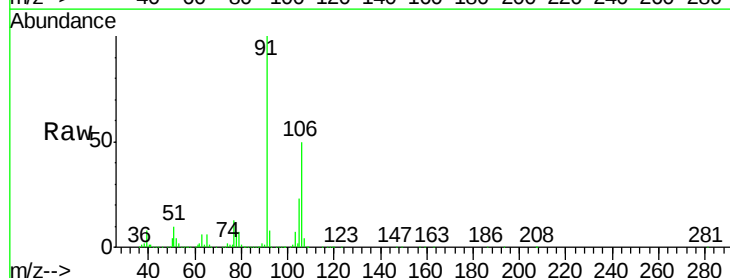
Acq: 18 Jun 2018 14:21

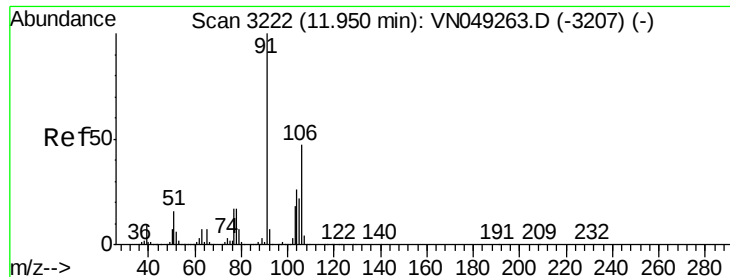
Tgt Ion: 106 Resp: 1573585

Ion Ratio Lower Upper

106 100

91 201.9 167.3 250.9





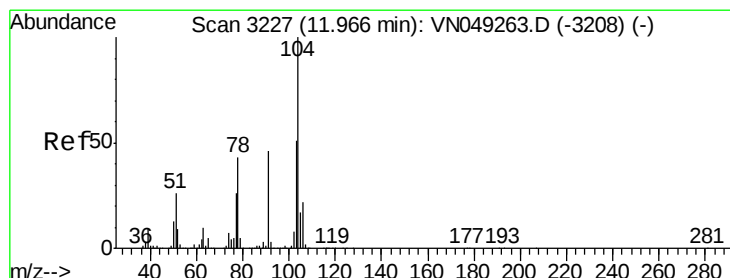
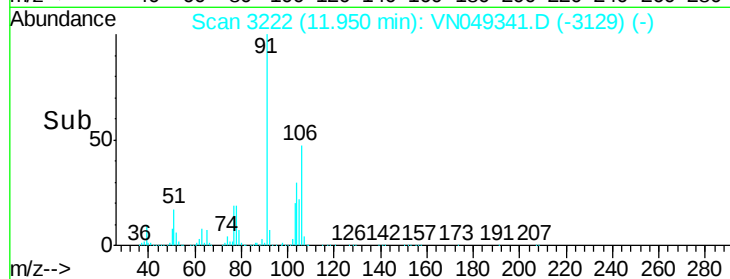
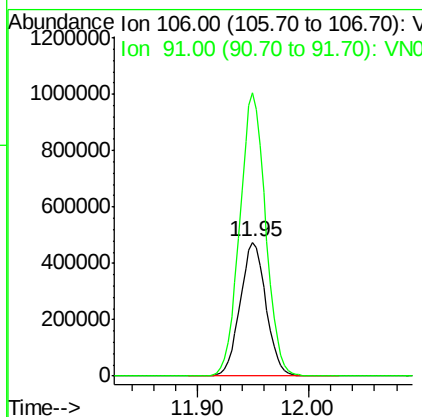
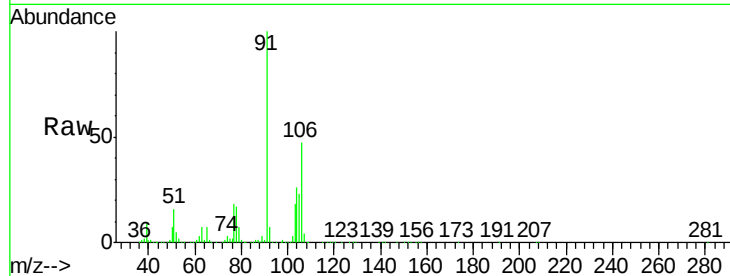
#69
o-Xylene
Concen: 21.826 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion:106 Resp: 770690
Ion Ratio Lower Upper
106 100
91 211.2 111.0 333.0

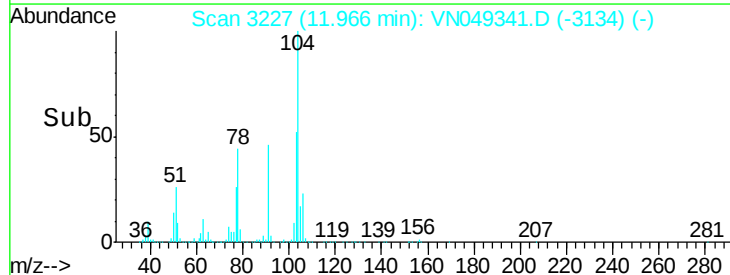
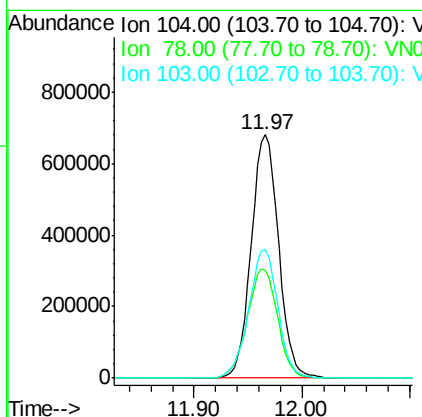
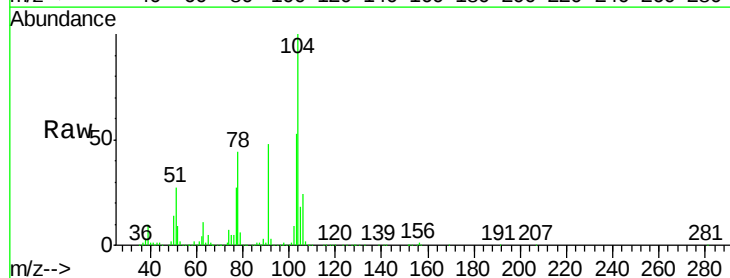
Manual Integrations
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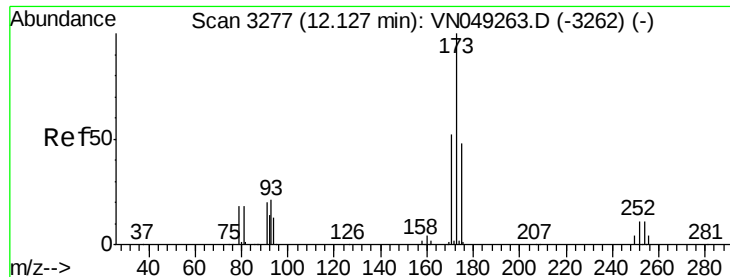
MMDadoda
6/19/2018 1:55:43 PM



#70
Styrene
Concen: 21.541 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion:104 Resp: 1200028
Ion Ratio Lower Upper
104 100
78 49.6 41.6 62.4
103 56.4 45.4 68.2





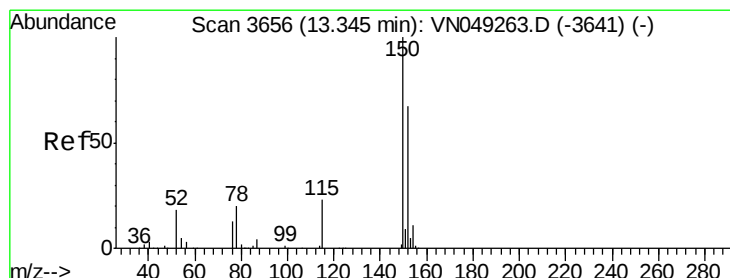
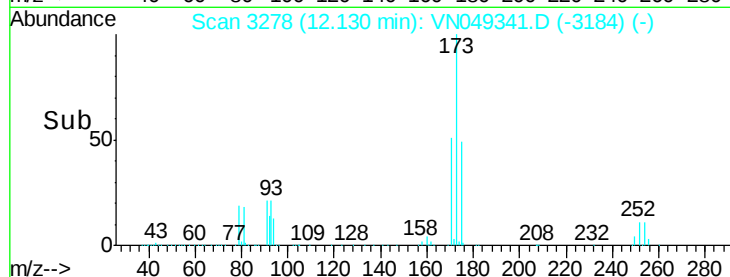
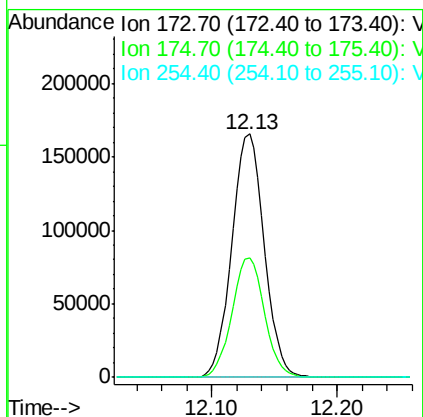
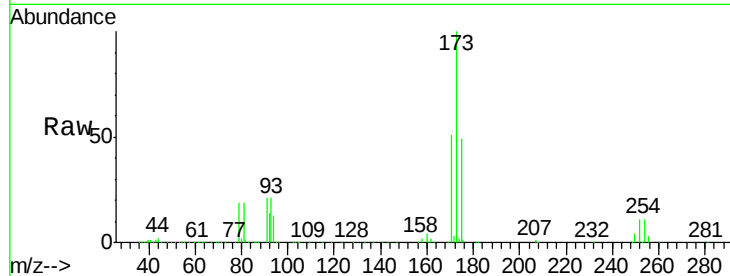
#71
Bromoform
Concen: 20.703 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.5	73.5
254	0.0	0.1	0.1#

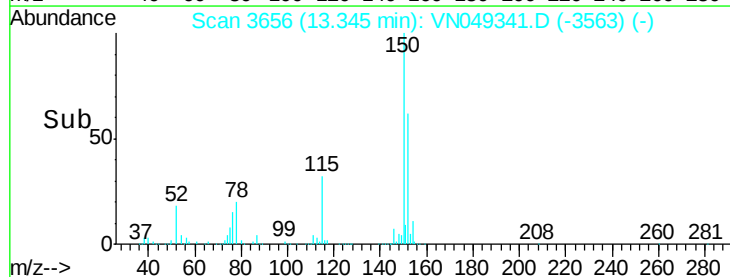
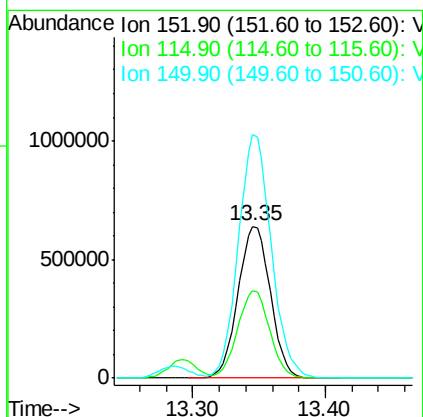
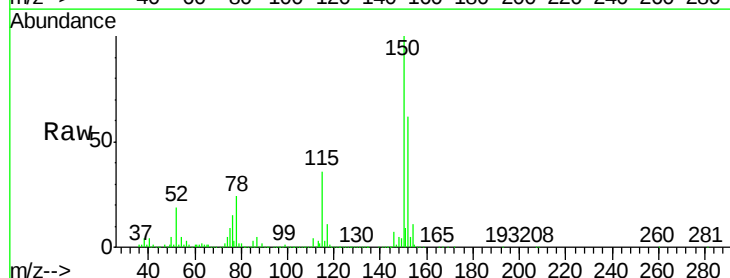
Manual Integrations
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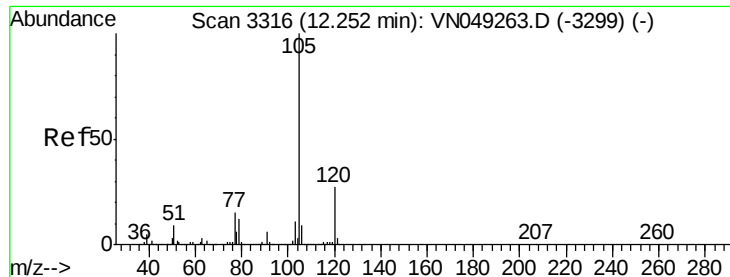
MMDadoda
6/19/2018 1:55:43 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.7	86.1
150	163.7	0.0	351.0





#73

Isopropylbenzene

Concen: 21.171 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 105 Resp: 2012154

Ion Ratio Lower Upper

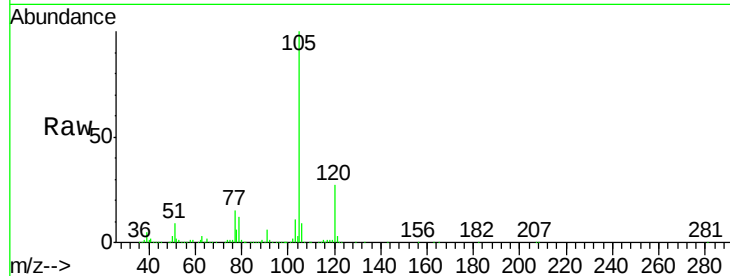
105 100

120 26.9 12.8 38.3

Manual Integrations
APPROVED

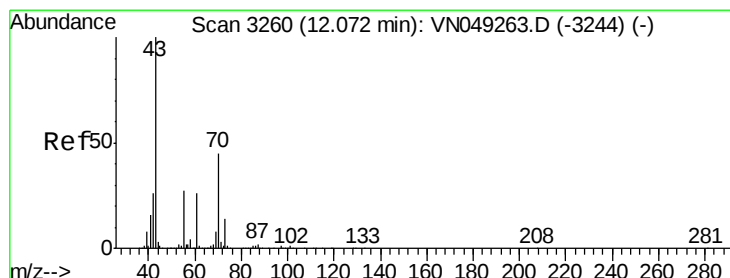
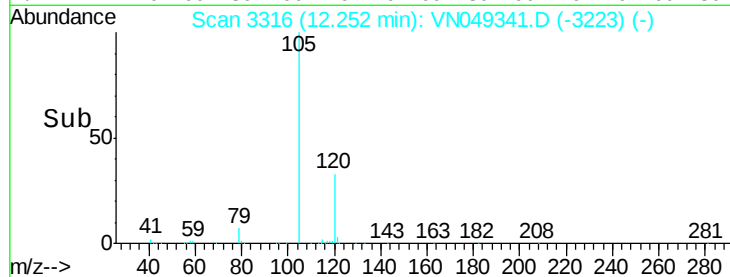
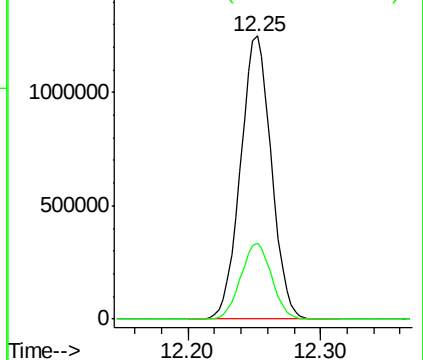
MMDadoda

6/19/2018 1:55:43 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.130 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Tgt Ion: 43 Resp: 515162

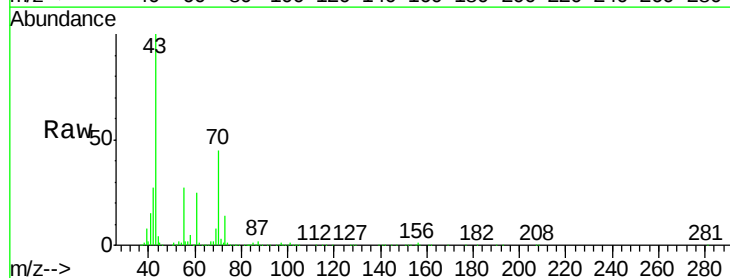
Ion Ratio Lower Upper

43 100

70 44.4 30.3 45.5

55 27.3 19.4 29.2

61 25.0 17.8 26.6

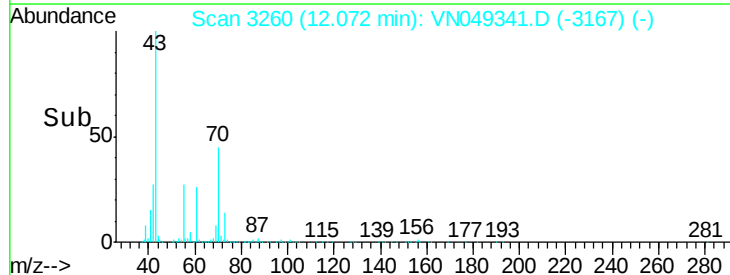
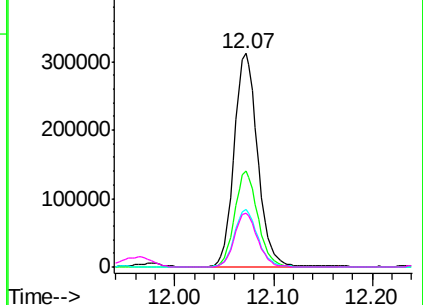


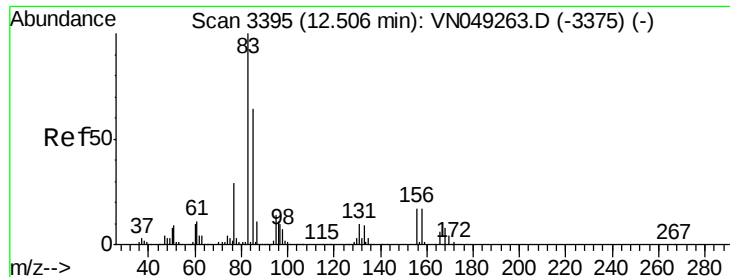
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.054 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 83 Resp: 474350

Ion Ratio Lower Upper

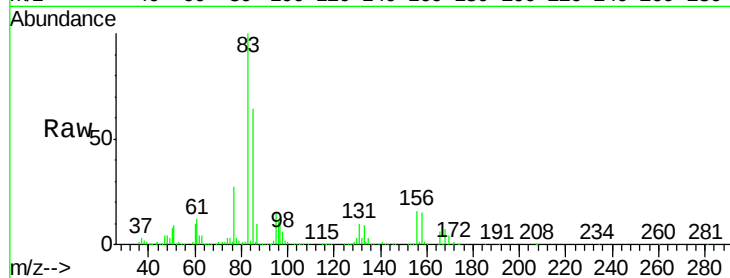
83 100

131 10.6 5.0 15.0

85 63.6 32.0 96.0

Manual Integrations
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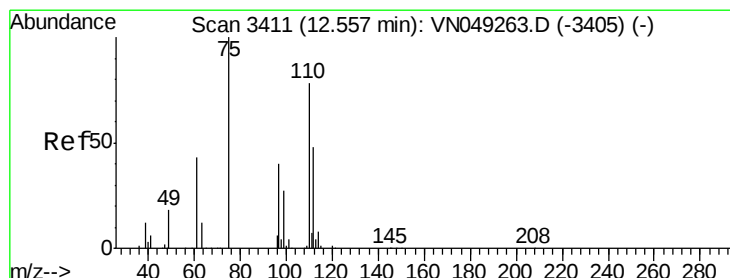
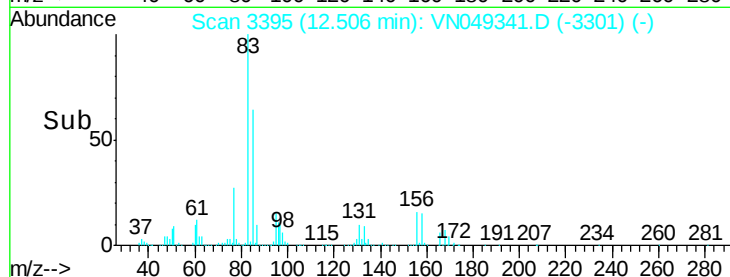
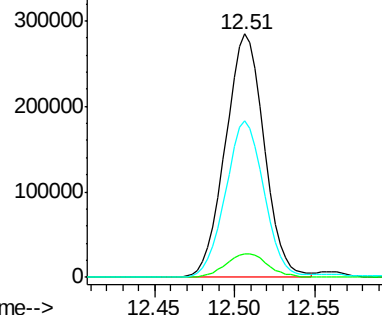
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 21.550 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049341.D

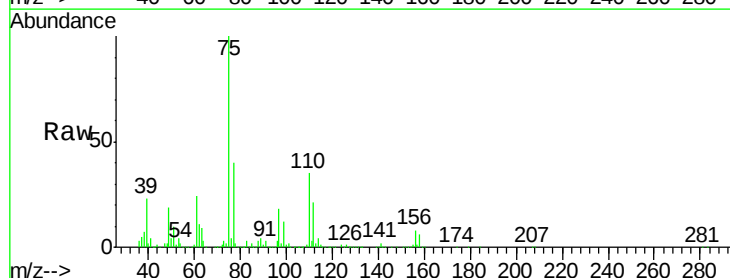
Acq: 18 Jun 2018 14:21

Tgt Ion: 75 Resp: 398010

Ion Ratio Lower Upper

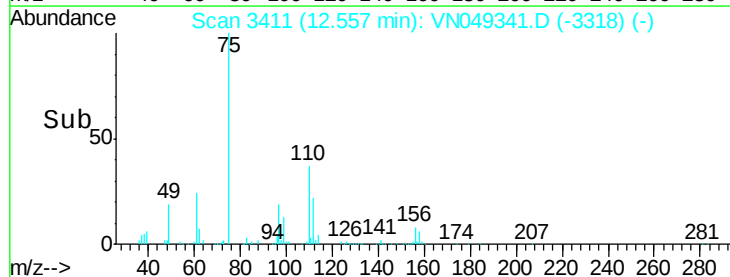
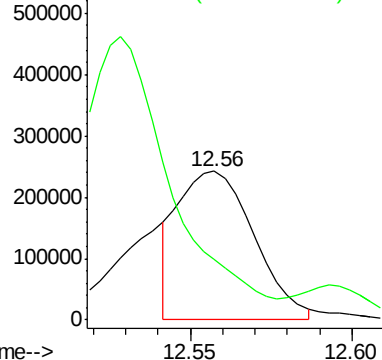
75 100

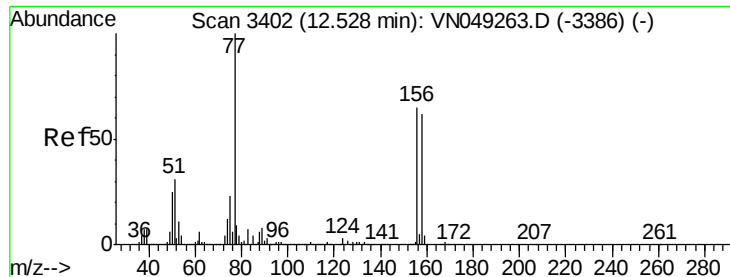
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.996 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

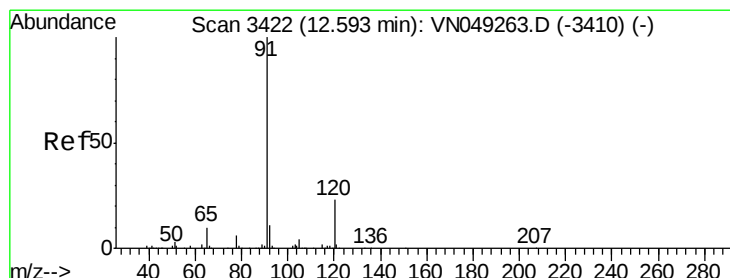
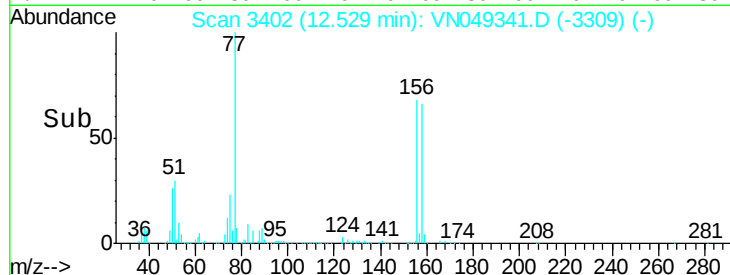
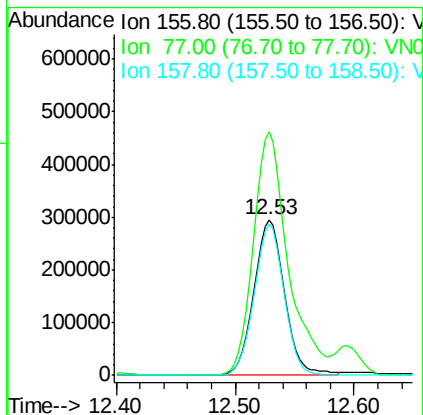
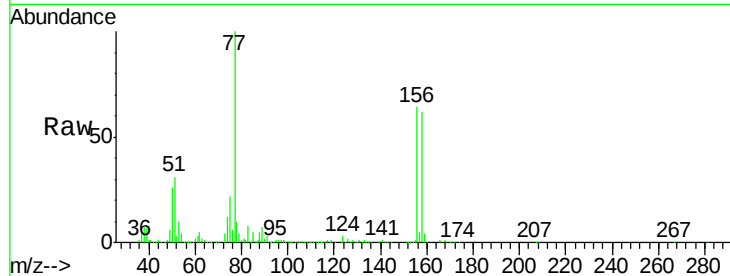
ClientSampled :

VN0618WBS01

Tot Ion:	156	Resp:	527084
Ion Ratio	Lower	Upper	
156	100		
77	176.6	100.8	302.4
158	93.7	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 21.439 ug/l

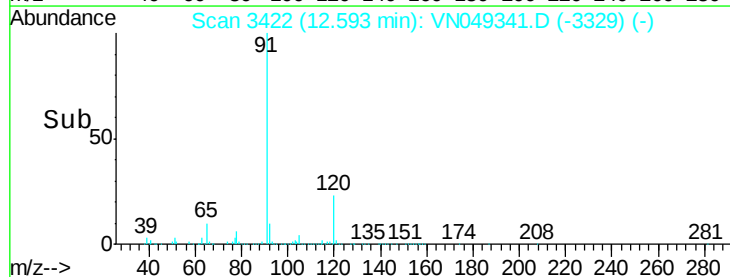
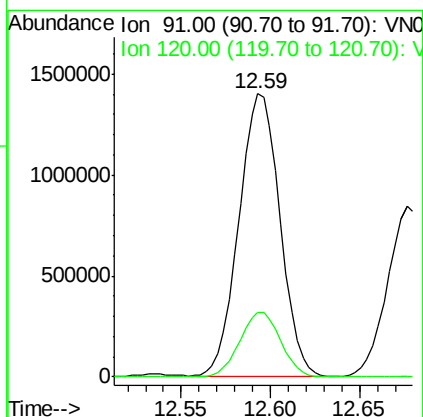
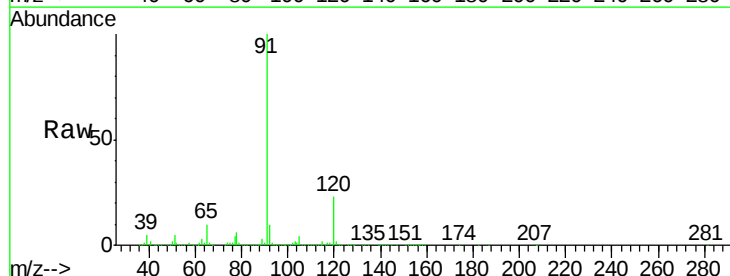
RT: 12.59 min Scan# 3422

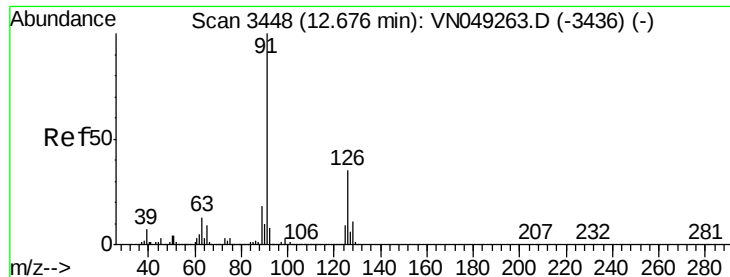
Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Tgt Ion:	91	Resp:	2237227
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 20.576 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 91 Resp: 1360550

Ion Ratio Lower Upper

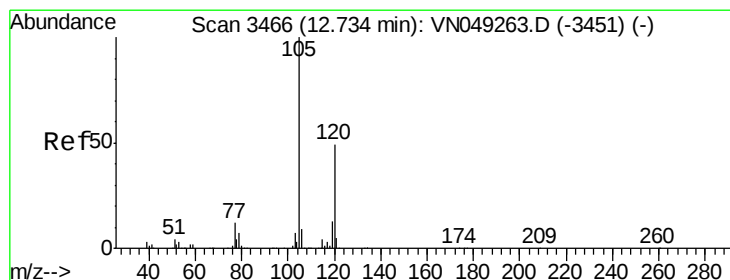
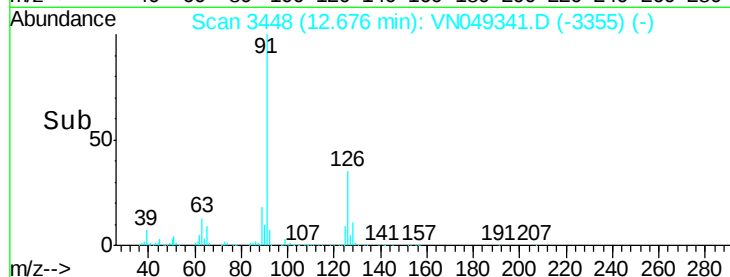
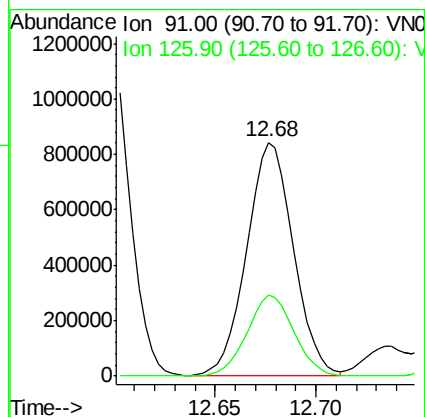
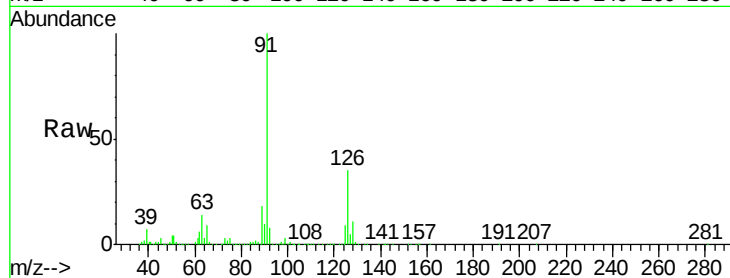
91 100

126 35.0 16.6 49.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.544 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049341.D

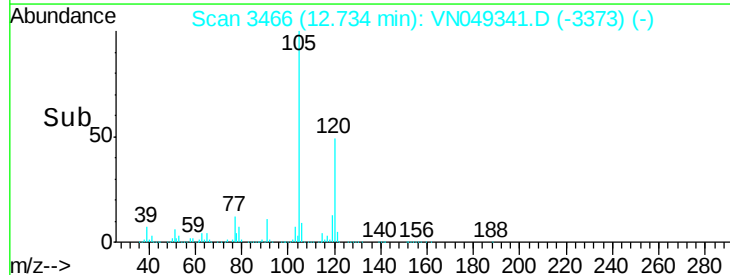
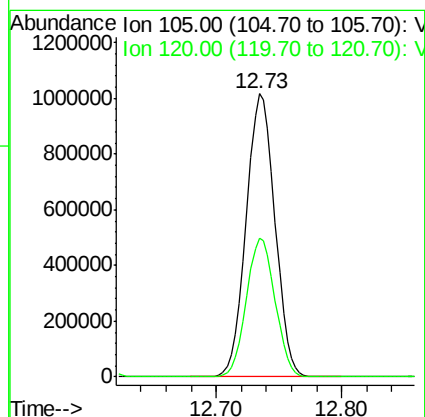
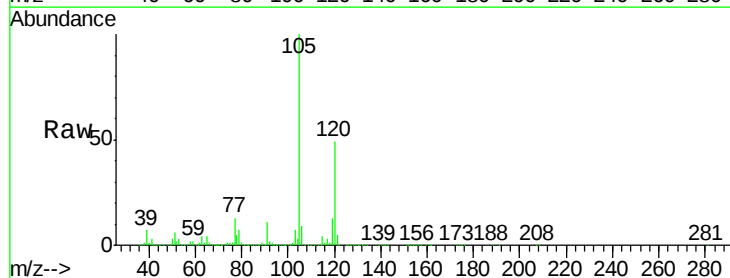
Acq: 18 Jun 2018 14:21

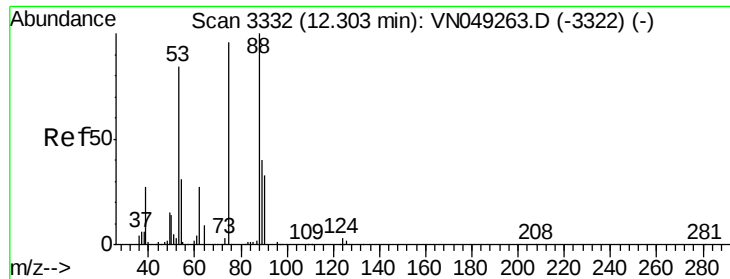
Tgt Ion: 105 Resp: 1609360

Ion Ratio Lower Upper

105 100

120 48.9 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.924 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

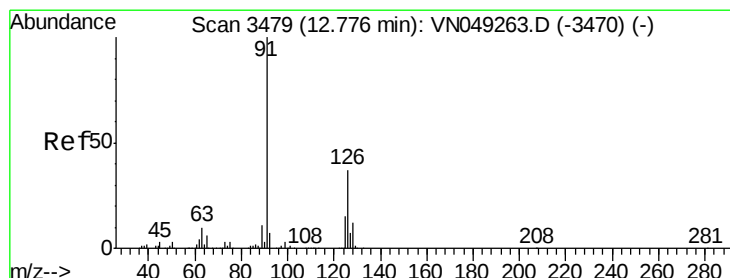
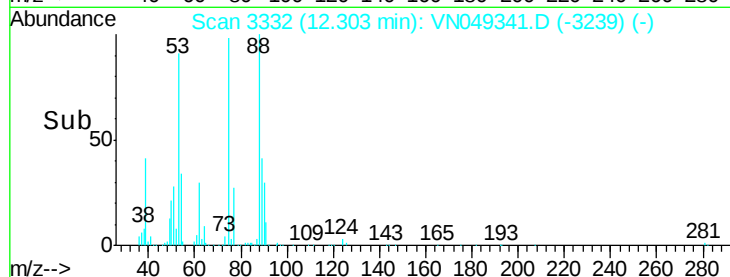
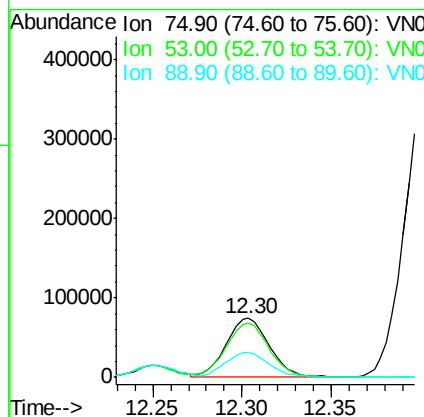
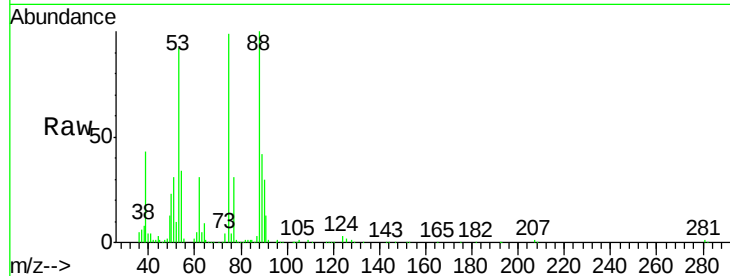
ClientSampleId :

VN0618WBS01

Tot Ion:	75	Resp:	122276
Ion	Ratio	Lower	Upper
75	100		
53	94.4	82.7	124.1
89	43.9	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.969 ug/l

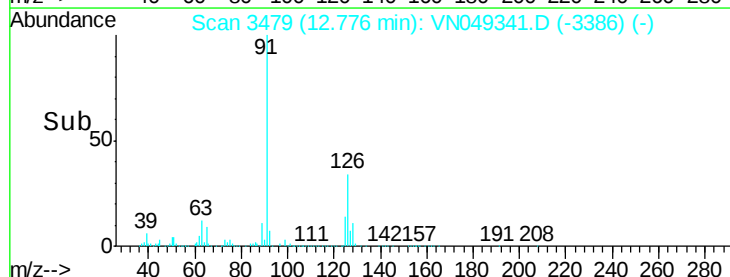
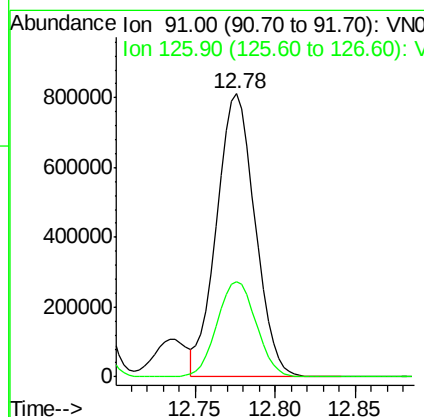
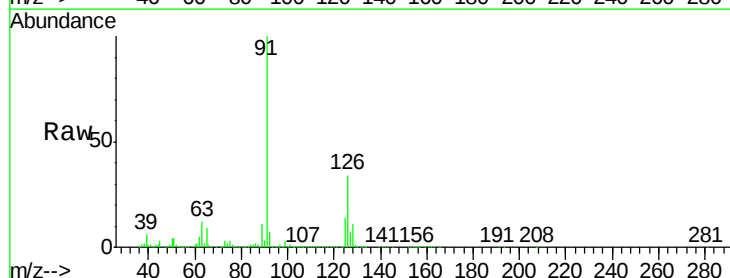
RT: 12.78 min Scan# 3479

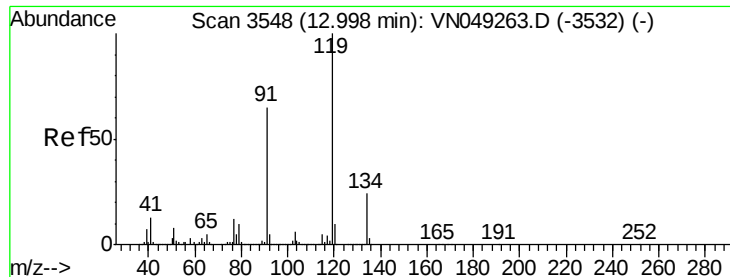
Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Tgt Ion:	91	Resp:	1337632
Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.4	49.1





#83

tert-Butylbenzene

Concen: 21.258 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion:119 Resp: 1406889

Ion Ratio Lower Upper

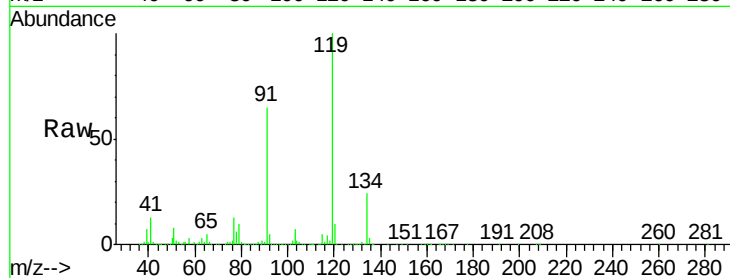
119 100

91 63.0 33.7 101.0

134 25.7 12.9 38.6

Manual Integrations
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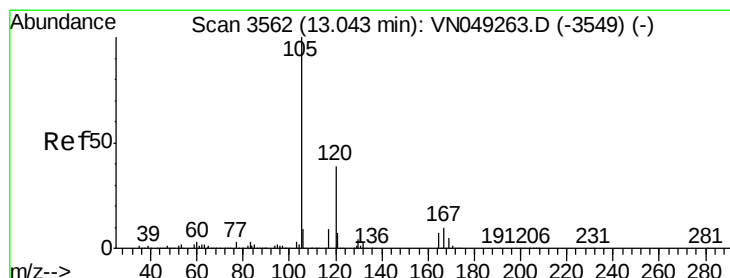
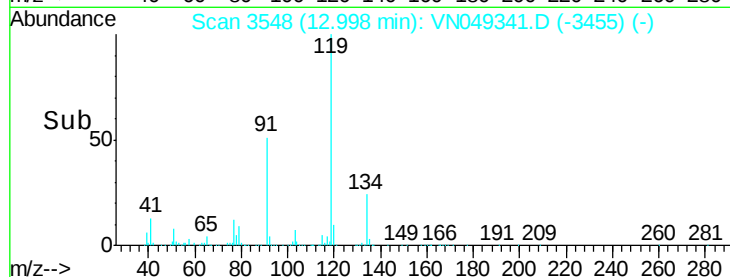
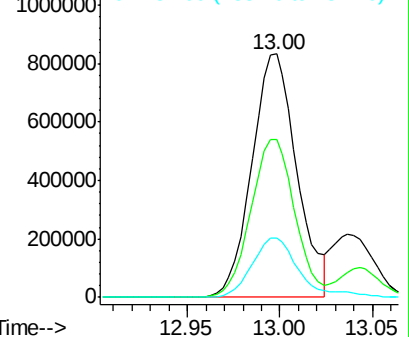
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.657 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049341.D

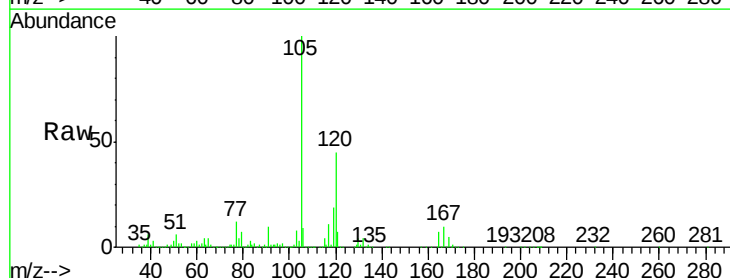
Acq: 18 Jun 2018 14:21

Tgt Ion:105 Resp: 1607131

Ion Ratio Lower Upper

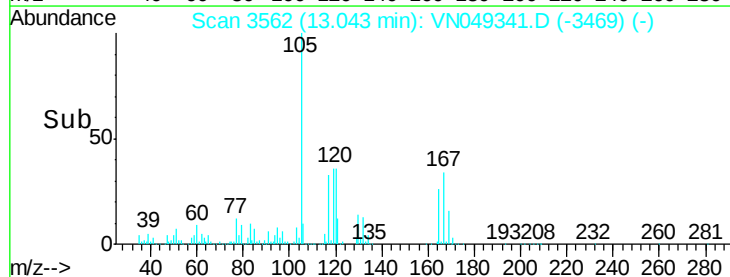
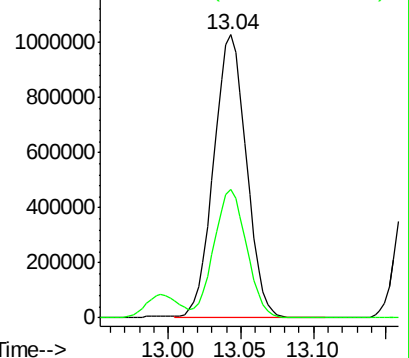
105 100

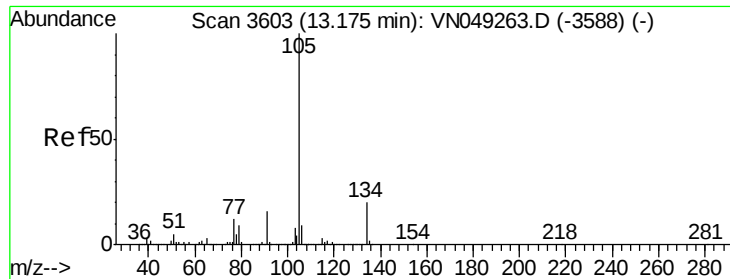
120 45.5 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.851 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion:105 Resp: 1836688

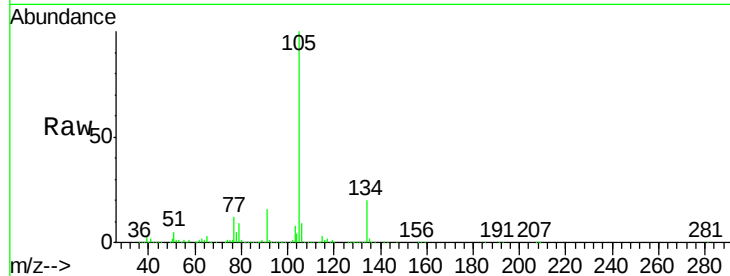
Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.3

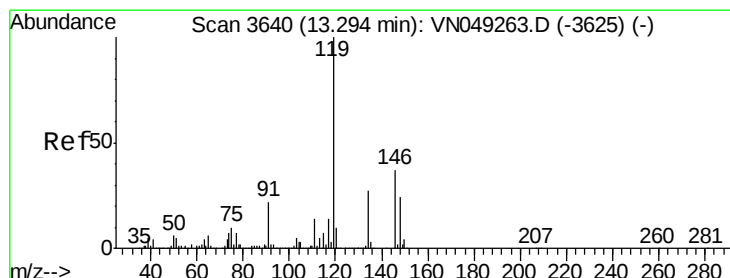
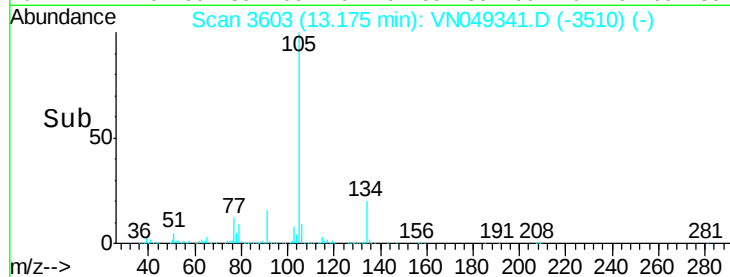
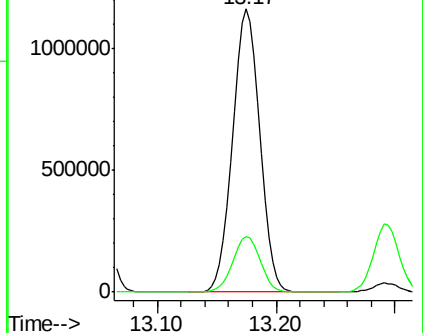
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.053 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

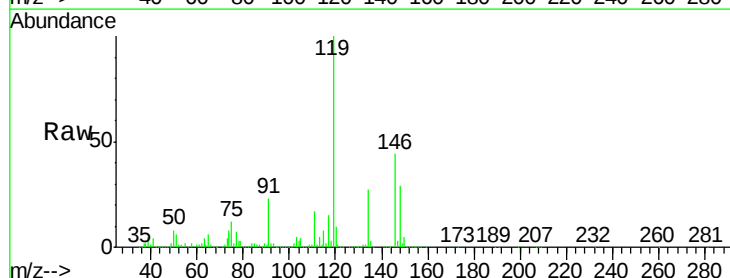
Tgt Ion:119 Resp: 1549352

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

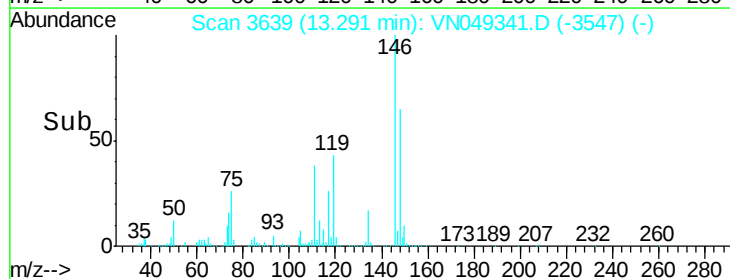
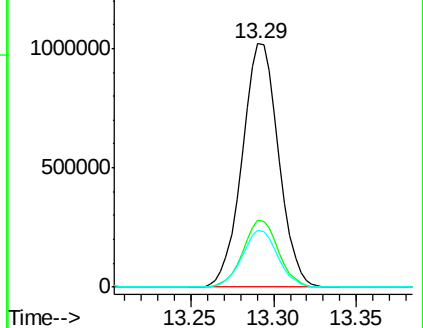
91 23.0 12.1 36.3

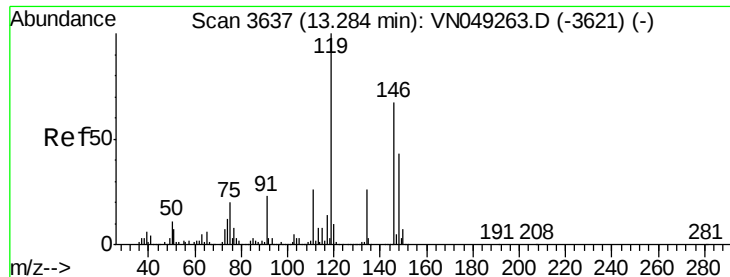


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





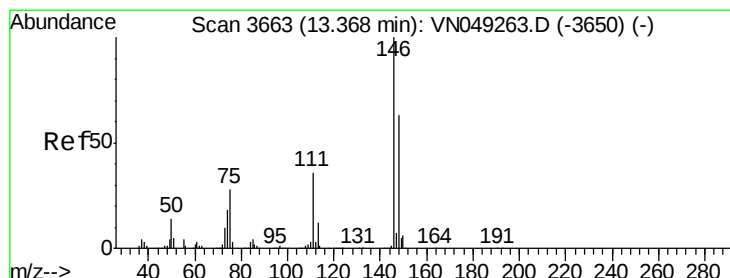
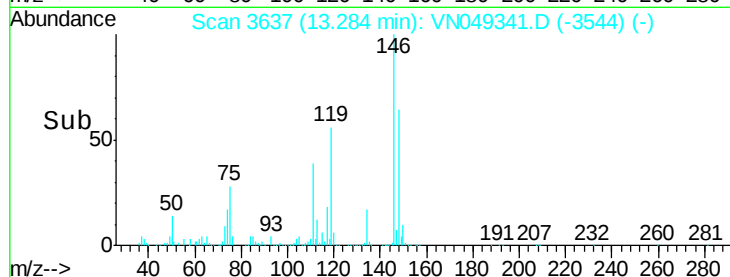
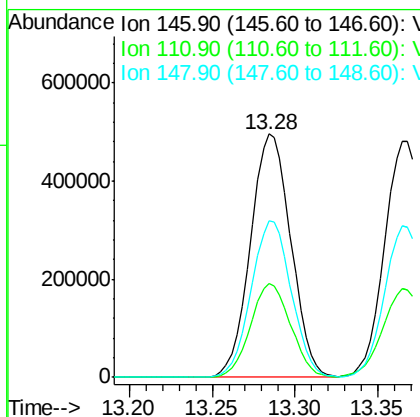
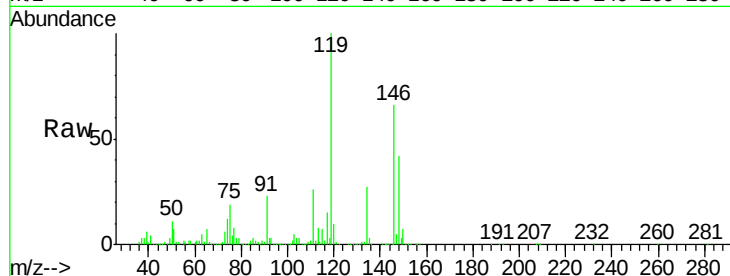
#87
 1,3-Dichlorobenzene
 Concen: 20.308 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.9	59.6
148	64.0	32.1	96.5

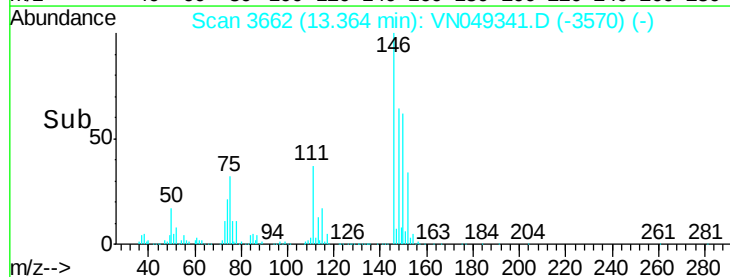
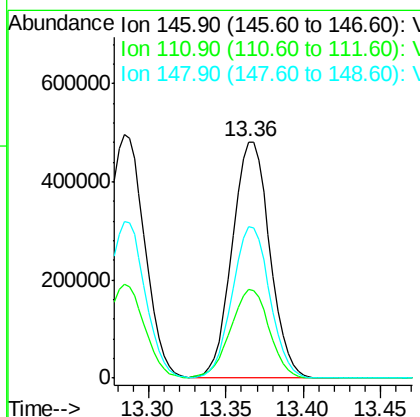
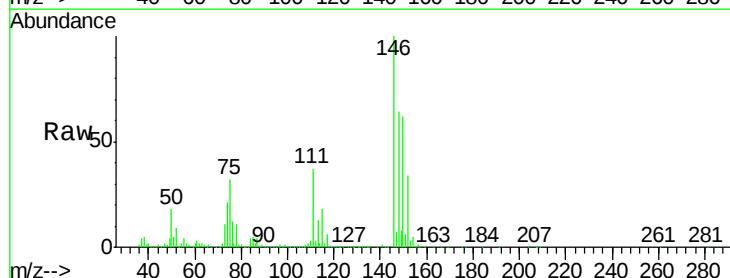
Manual Integrations
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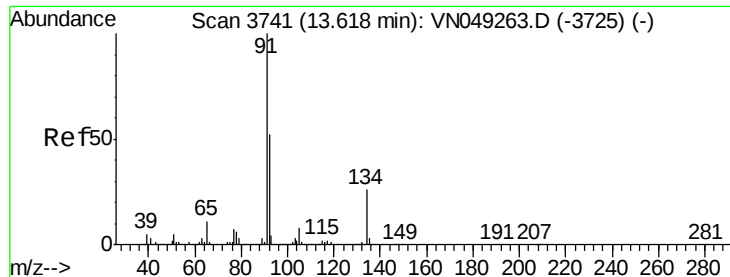
MMDadoda
 6/19/2018 1:55:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.867 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.1
148	64.1	32.0	96.2





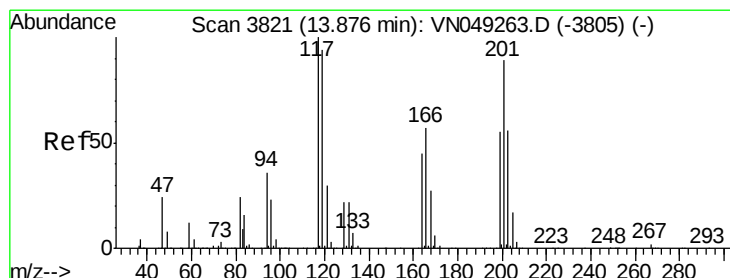
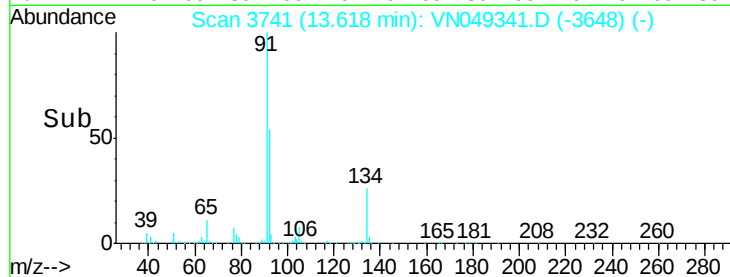
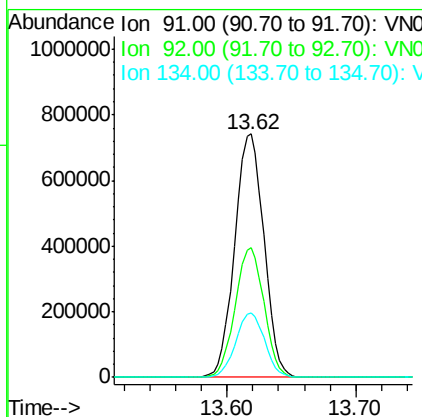
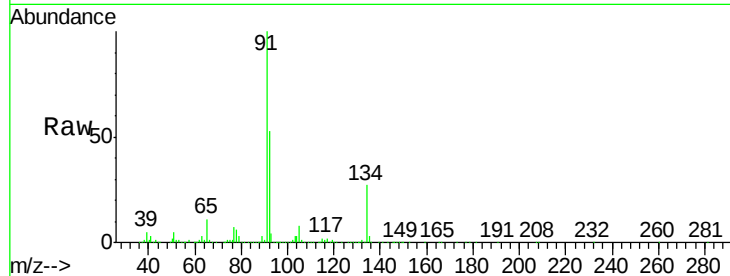
#89
n-Butylbenzene
Concen: 20.299 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.1	75.4
134	26.3	12.0	36.0

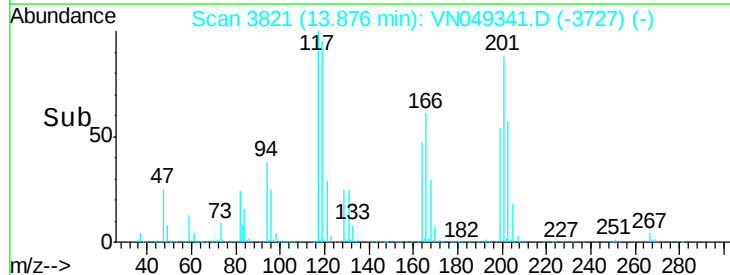
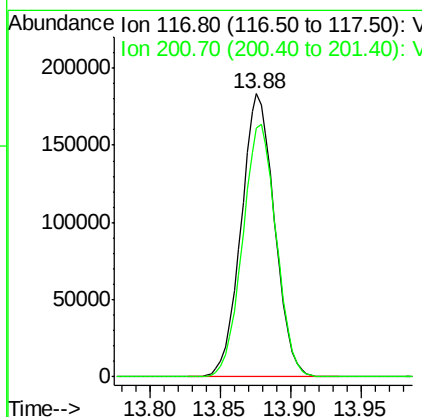
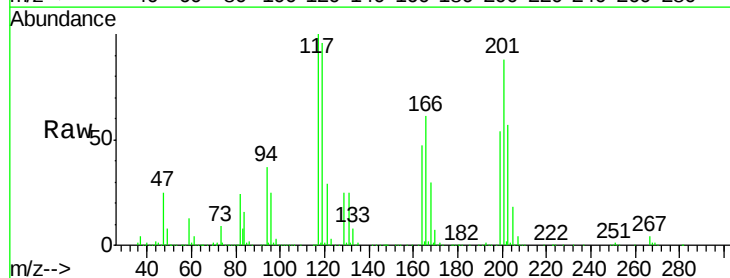
Manual Integrations
APPROVED

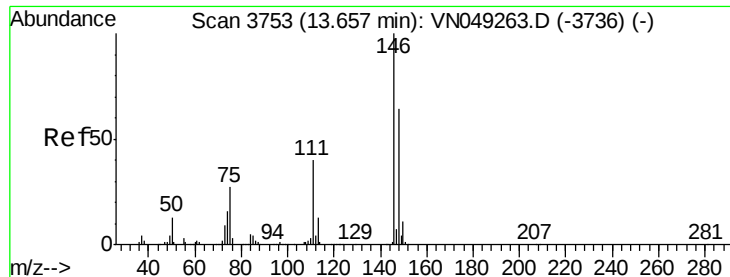
MMDadoda
6/19/2018 1:55:43 PM



#90
Hexachloroethane
Concen: 20.754 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	40.1	120.2





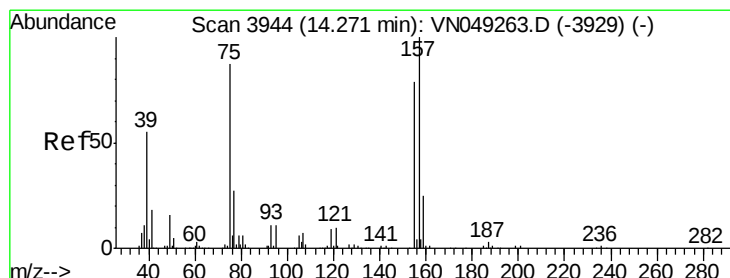
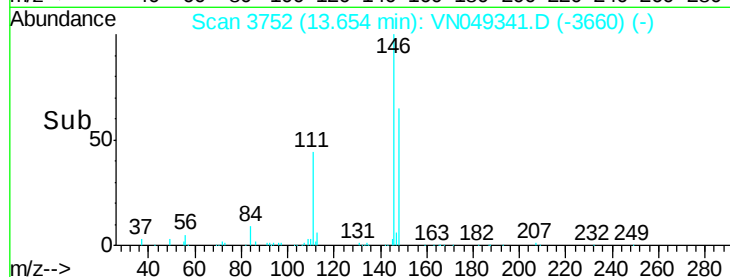
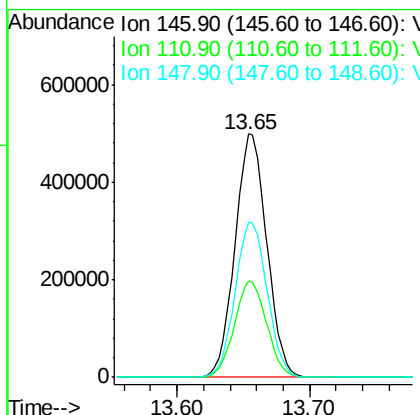
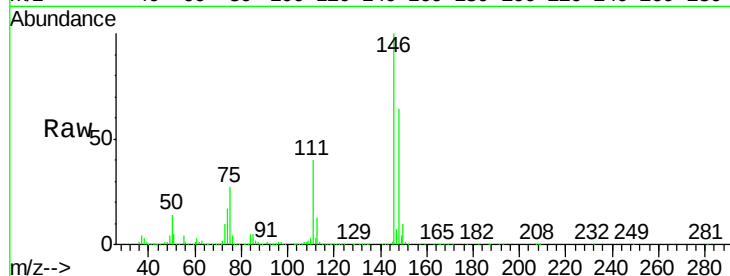
#91
 1,2-Dichlorobenzene
 Concen: 20.445 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.8	62.2
148	64.5	32.0	96.2

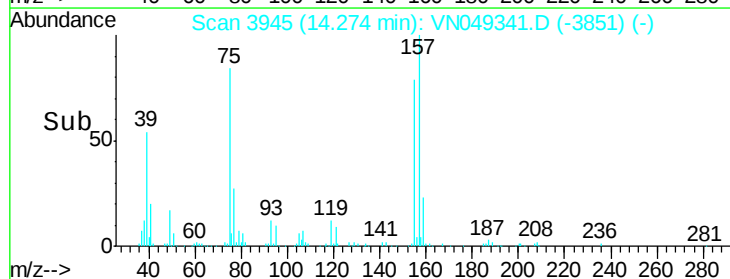
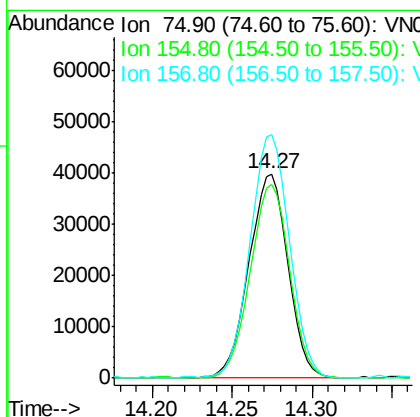
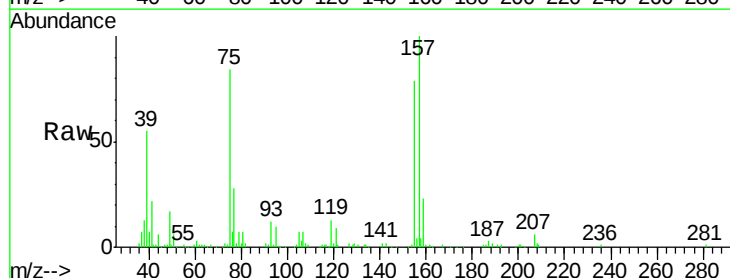
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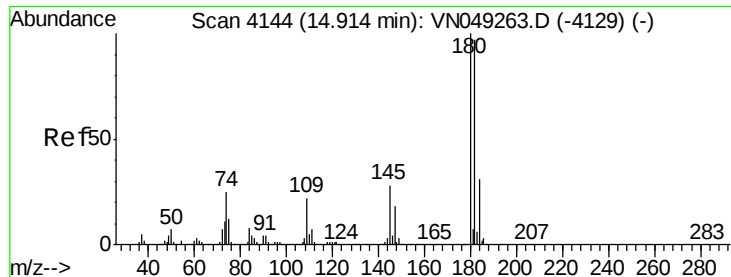
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.173 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	38.8	116.3
157	120.4	51.0	153.1





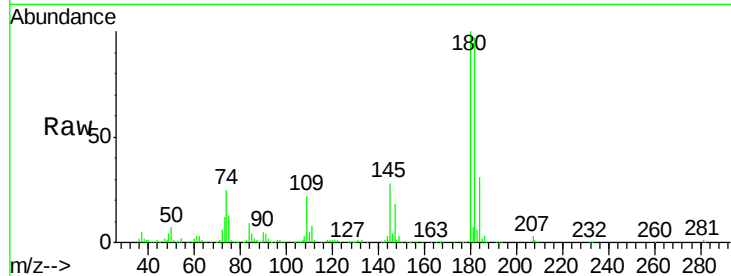
#93
1,2,4-Trichlorobenzene
Concen: 19.615 ug/l
RT: 14.91 min Scan# 4144
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

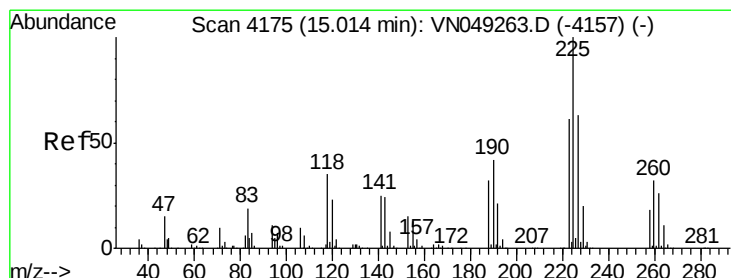
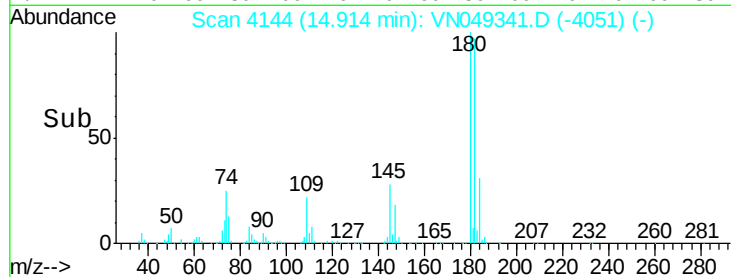
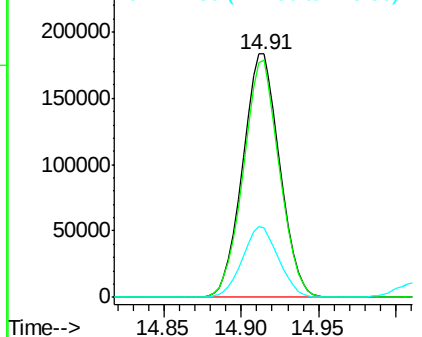
Tot Ion	Ratio	Resp	Lower	Upper
180	100	305019		
182	94.9	46.9	140.8	
145	28.2	14.7	44.1	

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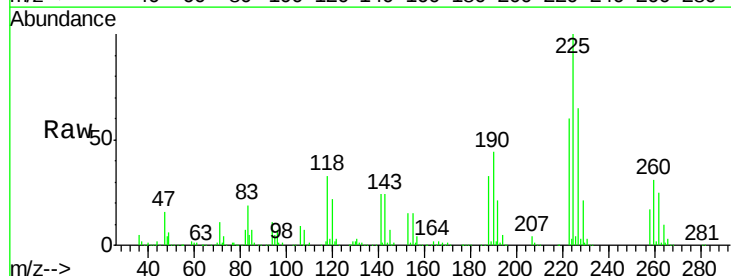


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

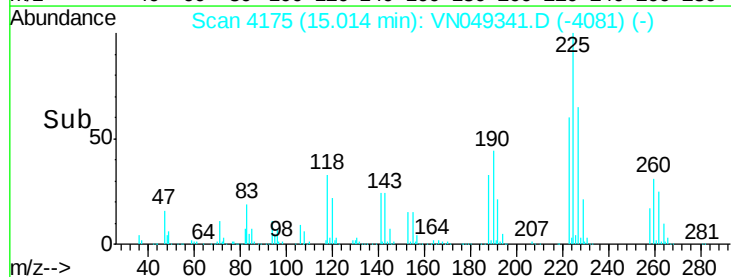
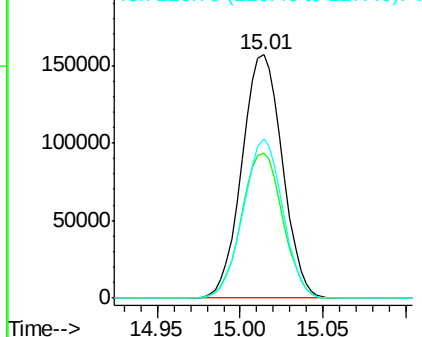


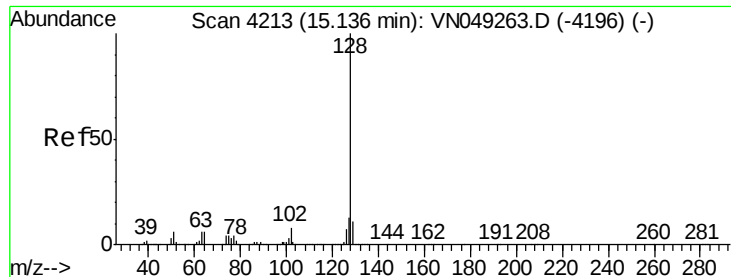
#94
Hexachlorobutadiene
Concen: 20.847 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	265768		
223	60.9	32.1	96.3	
227	63.8	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





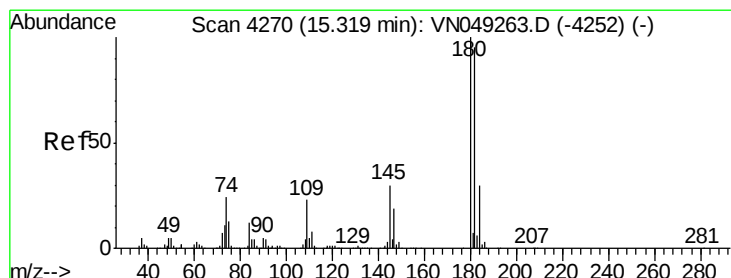
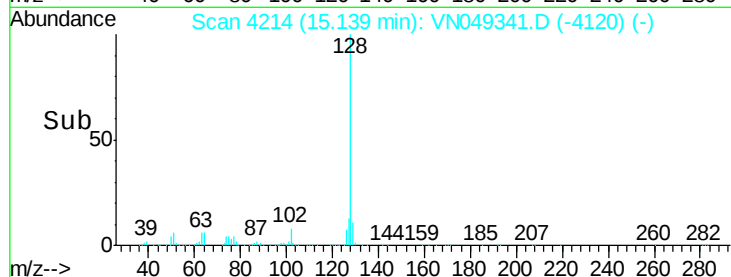
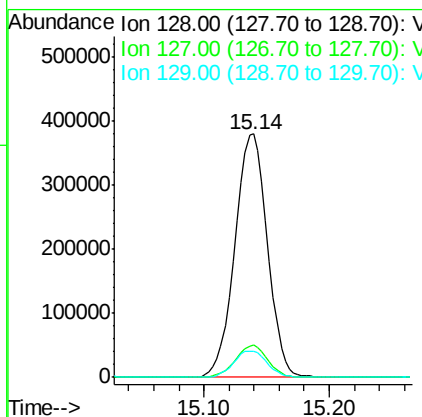
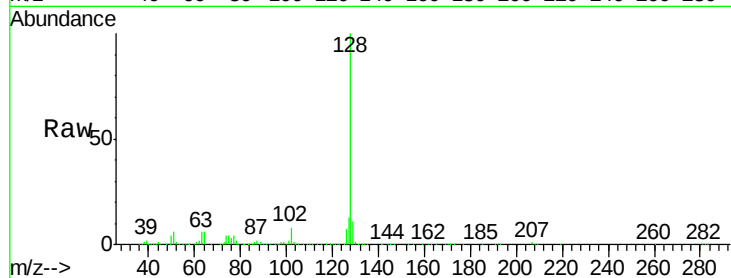
#95
Naphthalene
Concen: 23.454 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	682238		
127	13.1	10.6	16.0	
129	11.1	8.5	12.7	

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#96
1,2,3-Trichlorobenzene
Concen: 20.708 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	336324		
182	95.2	47.3	141.8	
145	29.3	15.6	46.7	

