

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049868.D
 Acq On : 18 Jul 2018 12:26
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 4:28:56 PM

Quant Time: Jul 18 12:45:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 12:05:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	690185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1001829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	951206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	535897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1359126	147.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.02%	
35) Dibromofluoromethane	7.59	113	1218605	153.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.72%	
50) Toluene-d8	10.09	98	4699097	161.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	322.12%	
62) 4-Bromofluorobenzene	12.40	95	1702301	174.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	348.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	929527	130.77	ug/l	97
3) Chloromethane	2.06	50	1237092	135.24	ug/l	100
4) Vinyl Chloride	2.18	62	1353360	137.07	ug/l	100
5) Bromomethane	2.54	94	811161	129.92	ug/l	100
6) Chloroethane	2.69	64	857917	136.92	ug/l	100
7) Trichlorofluoromethane	3.01	101	1798950	135.50	ug/l	97
8) Diethyl Ether	3.41	74	685841	144.59	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1109590	139.27	ug/l	99
10) Methyl Iodide	3.94	142	1732085	173.76	ug/l	100
11) Tert butyl alcohol	4.81	59	525883	716.35	ug/l	99
12) 1,1-Dichloroethene	3.73	96	1045237	145.18	ug/l	98
13) Acrolein	3.61	56	367823	646.20	ug/l	98
14) Allyl chloride	4.32	41	1785104	156.17	ug/l	100
15) Acrylonitrile	4.99	53	2337814	756.99	ug/l	99
16) Acetone	3.82	43	1659728	644.62	ug/l	99
17) Carbon Disulfide	4.04	76	3070009	140.09	ug/l	100
18) Methyl Acetate	4.33	43	1149935	119.34	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	3230854	160.68	ug/l	99
20) Methylene Chloride	4.55	84	1223802	138.01	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	1144125	150.33	ug/l	99
22) Diisopropyl ether	5.96	45	3790836	165.89	ug/l	95
23) Vinyl Acetate	5.90	43	13836082	823.23	ug/l	100
24) 1,1-Dichloroethane	5.85	63	2147679	146.64	ug/l	99
25) 2-Butanone	6.84	43	2740034	720.01	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1723175	154.55	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	1326943	155.53	ug/l	99
28) Bromochloromethane	7.19	49	1026966	151.05	ug/l	100
29) Tetrahydrofuran	7.22	42	1802830	745.07	ug/l	100
30) Chloroform	7.37	83	2188361	144.75	ug/l	99
31) Cyclohexane	7.65	56	1898604	136.33	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1913862	149.03	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1686886	159.14	ug/l	100
37) Ethyl Acetate	6.93	43	1186665	150.12	ug/l	100
38) Carbon Tetrachloride	7.77	117	1707678	152.92	ug/l	100

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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	1886778	172.83	ug/l	100
40) Benzene	8.04	78	5031349	156.58	ug/l	100
41) Methacrylonitrile	7.18	41	663785	163.52	ug/l	99
42) 1,2-Dichloroethane	8.13	62	1617597	148.04	ug/l	100
43) Isopropyl Acetate	8.17	43	2125981	158.05	ug/l	95
44) Trichloroethene	8.84	130	1320076	156.16	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1323513	154.61	ug/l	100
46) Dibromomethane	9.21	93	816222	149.44	ug/l	100
47) Bromodichloromethane	9.40	83	1754456	158.06	ug/l	99
48) Methyl methacrylate	9.20	41	1117480	167.55	ug/l	97
49) 1,4-Dioxane	9.20	88	307922	3045.59	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	6193789	782.87	ug/l	99
52) Toluene	10.16	92	3182844	165.29	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1916160	176.82	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2102657	172.88	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1202398	152.17	ug/l	99
56) Ethyl methacrylate	10.43	69	1746042	182.43	ug/l	99
57) 1,3-Dichloropropane	10.71	76	2029452	158.55	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	4091009	905.57	ug/l	99
59) 2-Hexanone	10.75	43	4317441	795.93	ug/l	99
60) Dibromochloromethane	10.90	129	1409753	160.22	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1233504	159.27	ug/l	99
64) Tetrachloroethene	10.63	164	1202513	148.65	ug/l	99
65) Chlorobenzene	11.43	112	3560833	157.89	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1342511	155.06	ug/l	100
67) Ethyl Benzene	11.51	91	6269591	172.94	ug/l	99
68) m/p-Xylenes	11.62	106	4777649	347.36	ug/l	99
69) o-Xylene	11.95	106	2319936	176.88	ug/l	98
70) Styrene	11.97	104	3926667	184.69	ug/l	100
71) Bromoform	12.13	173	1058467	158.72	ug/l #	99
73) Isopropylbenzene	12.25	105	6194889	159.64	ug/l	100
74) N-amyl acetate	12.07	43	2007290	156.55	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1626292	130.67	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1409006m	134.38	ug/l	
77) Bromobenzene	12.53	156	1619582	152.25	ug/l	98
78) n-propylbenzene	12.59	91	7169811	164.19	ug/l	99
79) 2-Chlorotoluene	12.68	91	4220074	156.53	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	5105702	167.90	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	523289	163.33	ug/l	97
82) 4-Chlorotoluene	12.77	91	4398883	165.16	ug/l	100
83) tert-Butylbenzene	12.99	119	4459204	167.30	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	5251372	169.35	ug/l	100
85) sec-Butylbenzene	13.17	105	5976274	166.67	ug/l	99
86) p-Isopropyltoluene	13.29	119	5293065	174.59	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2915005	159.43	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2853517	158.89	ug/l	99
89) n-Butylbenzene	13.62	91	4600217	185.02	ug/l	99
90) Hexachloroethane	13.88	117	979270	143.81	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	2771889	149.08	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	276109	132.36	ug/l	95

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Quant Title : SW846 8260
QLast Update : Wed Jul 18 12:05:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1706650	206.14	ug/l	100
94) Hexachlorobutadiene	15.01	225	870235	149.84	ug/l	99
95) Naphthalene	15.14	128	4140233	209.51	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1635732	186.86	ug/l	100

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

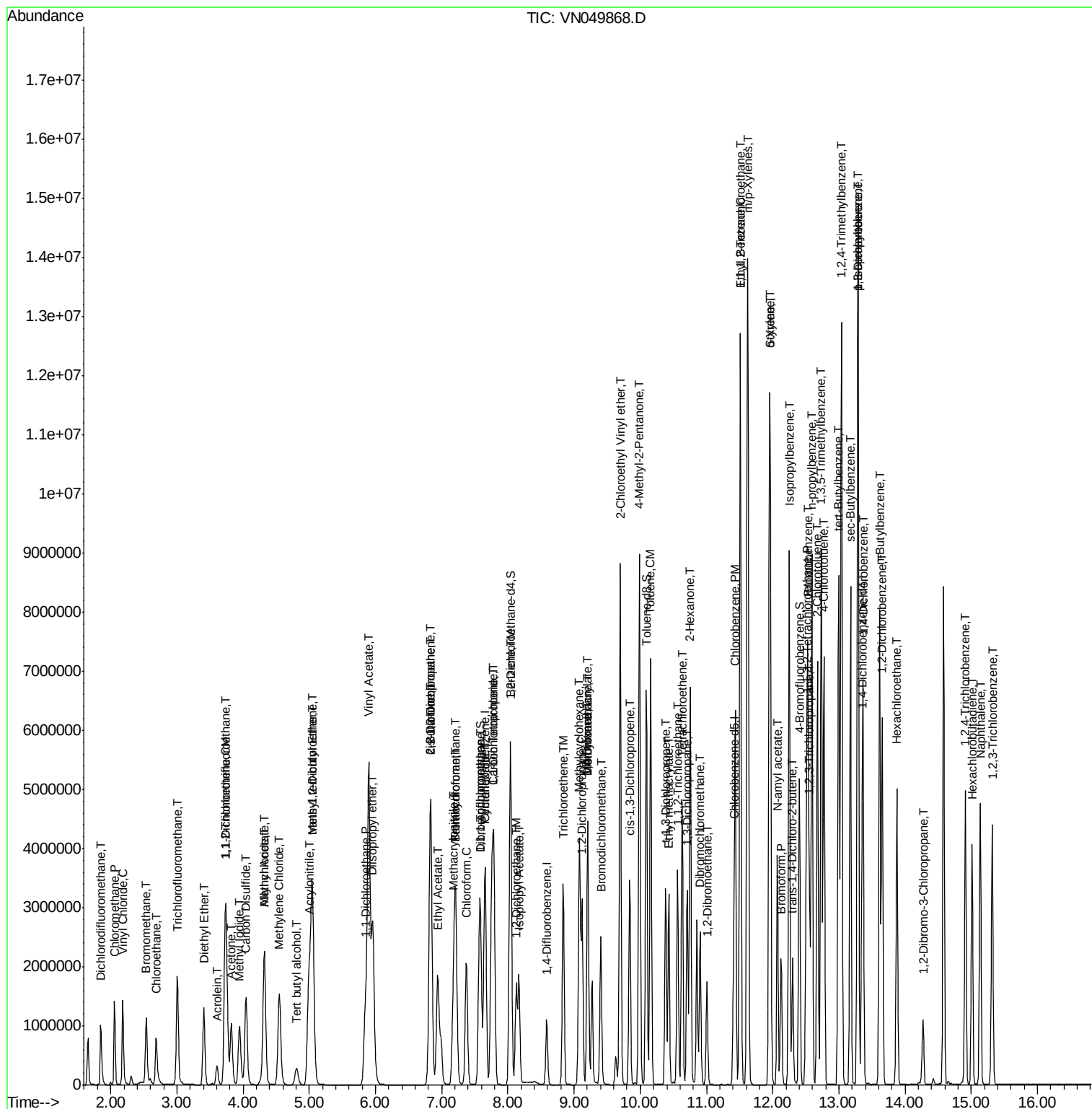
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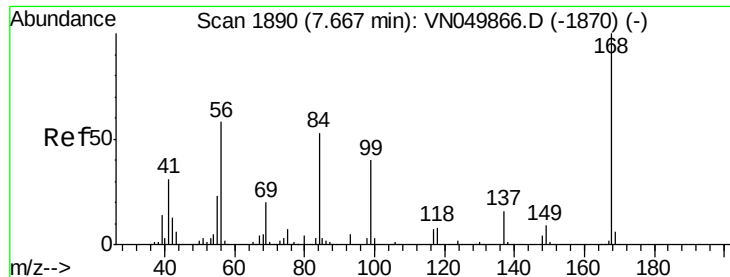
Instrument :
 MSVOA_N
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 690185

Ion Ratio Lower Upper

168 100

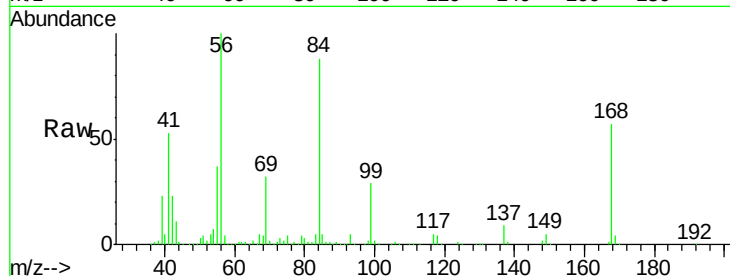
99 50.4 40.6 61.0

Manual Integrations

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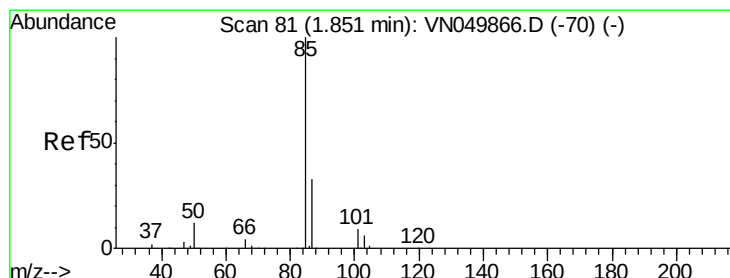
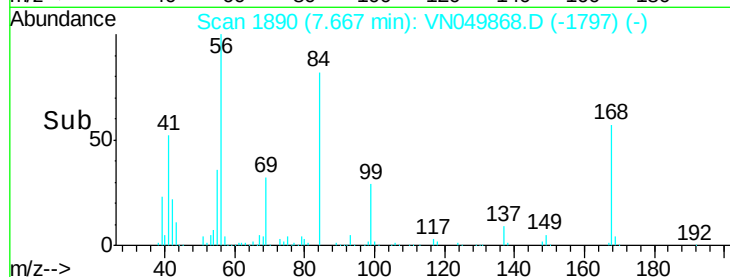
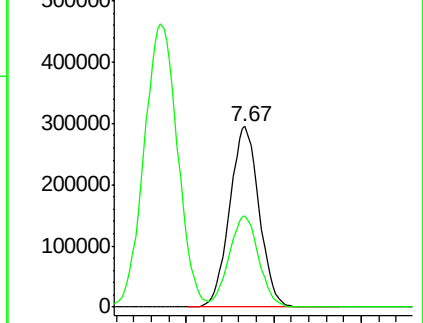
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 130.77 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049868.D

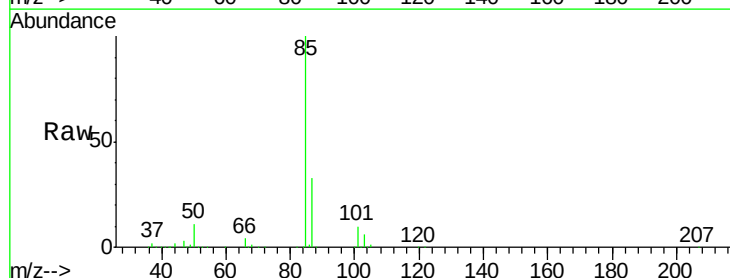
Acq: 18 Jul 2018 12:26

Tgt Ion: 85 Resp: 929527

Ion Ratio Lower Upper

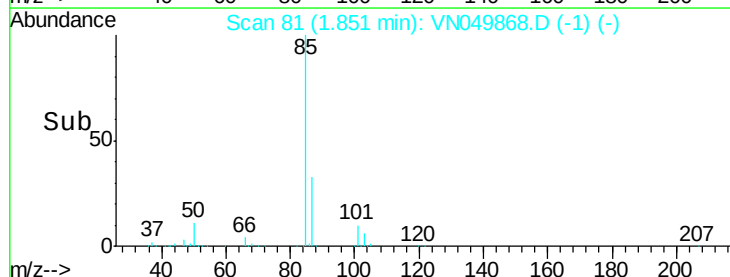
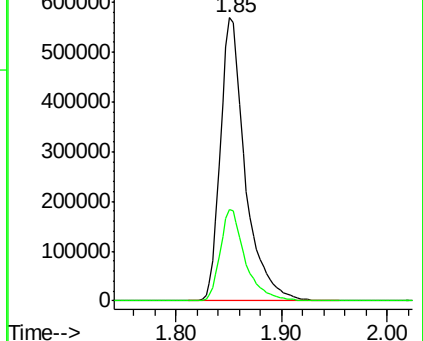
85 100

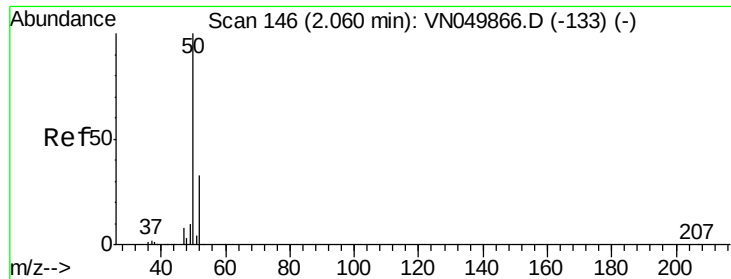
87 32.5 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 135.24 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1237092

Ion Ratio Lower Upper

50 100

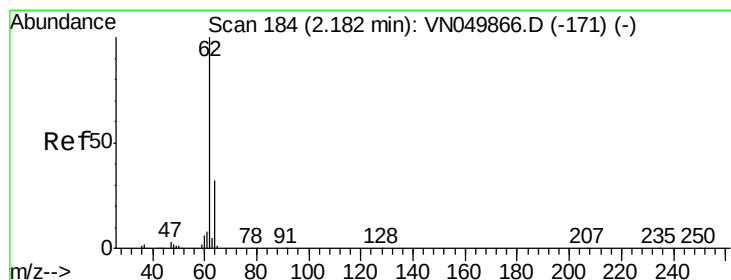
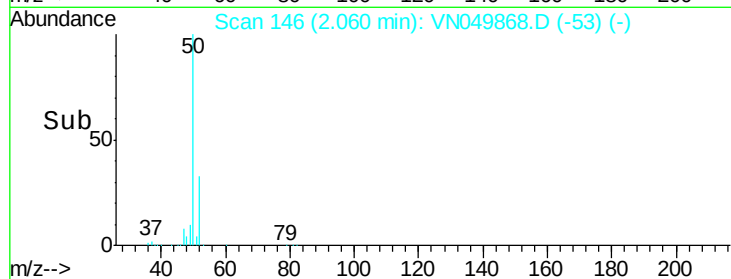
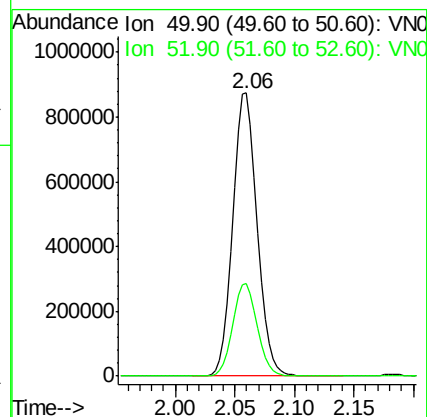
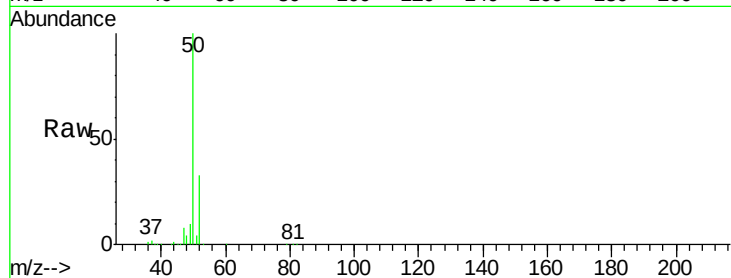
52 32.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 137.07 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049868.D

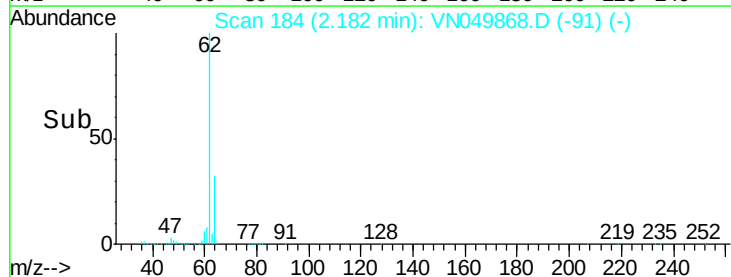
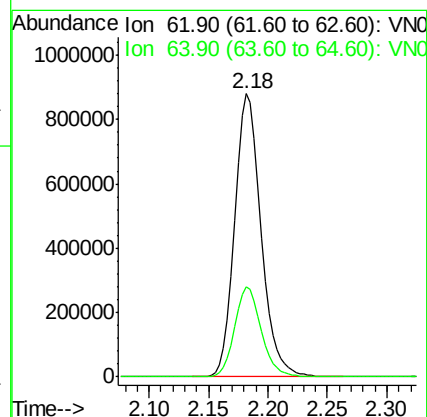
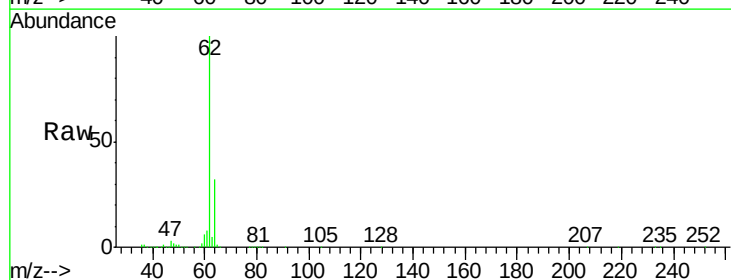
Acq: 18 Jul 2018 12:26

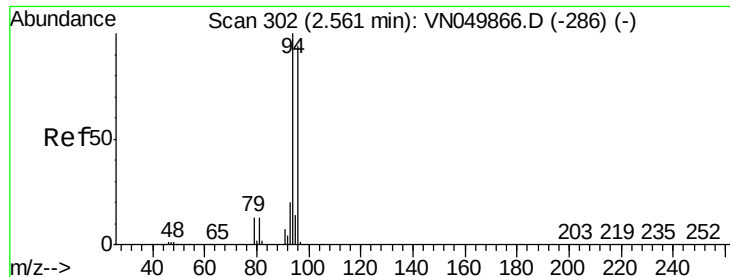
Tgt Ion: 62 Resp: 1353360

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 129.92 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.02 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

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Tot Ion: 94 Resp: 811161

Ion Ratio Lower Upper

94 100

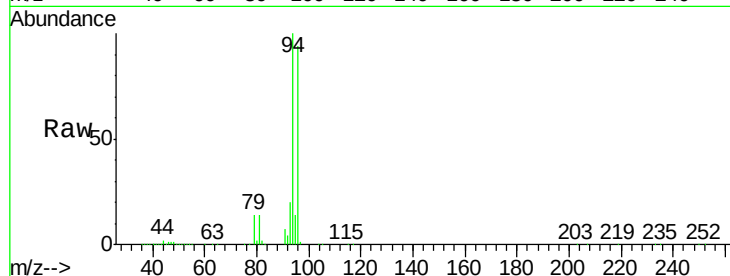
96 94.1 75.7 113.5

Manual Integrations

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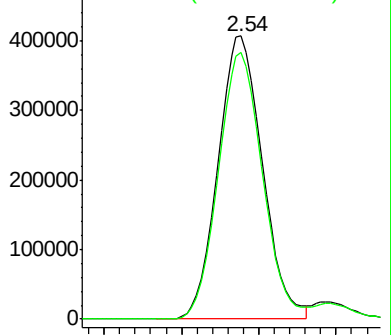
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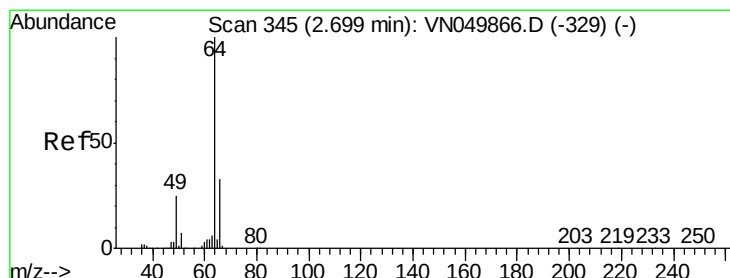
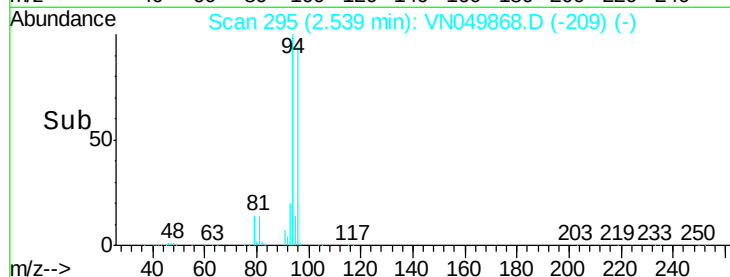


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 136.92 ug/l

RT: 2.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VN049868.D

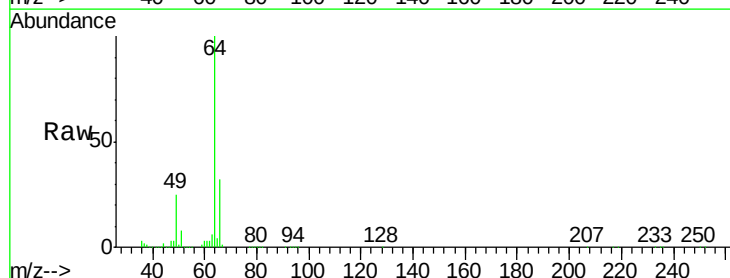
Acq: 18 Jul 2018 12:26

Tgt Ion: 64 Resp: 857917

Ion Ratio Lower Upper

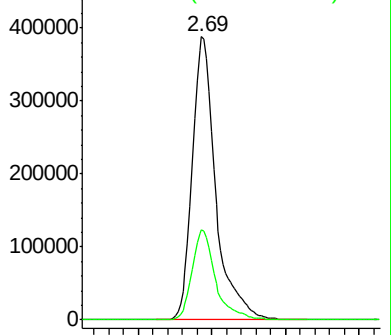
64 100

66 31.9 25.6 38.4

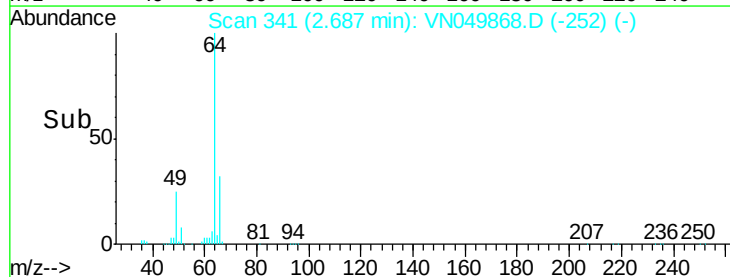


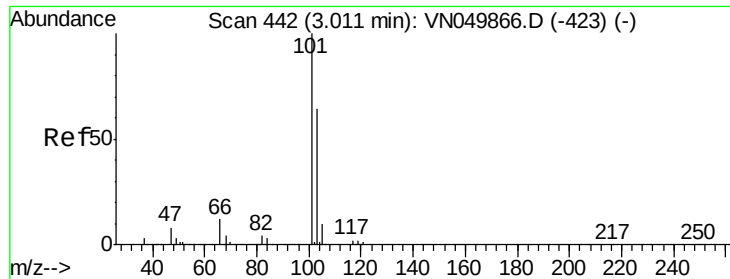
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

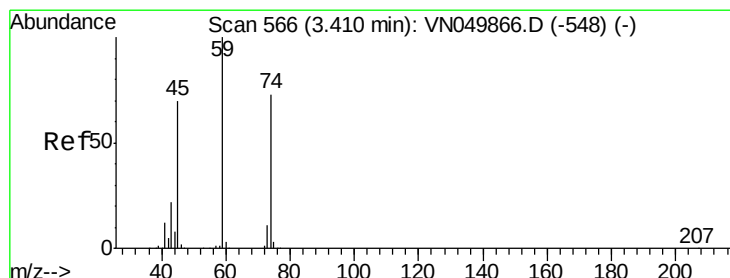
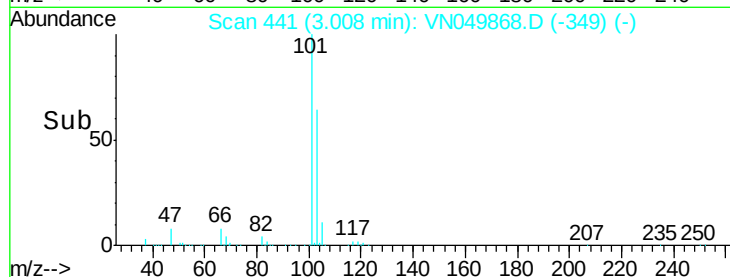
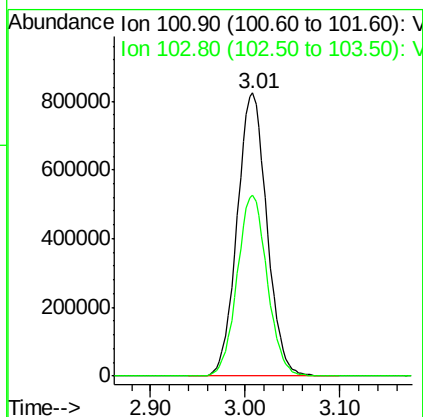
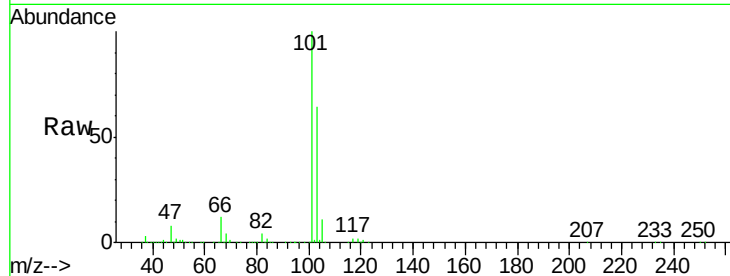
Trichlorofluoromethane
 Concen: 135.50 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1798950
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.8 79.2

Manual Integrations
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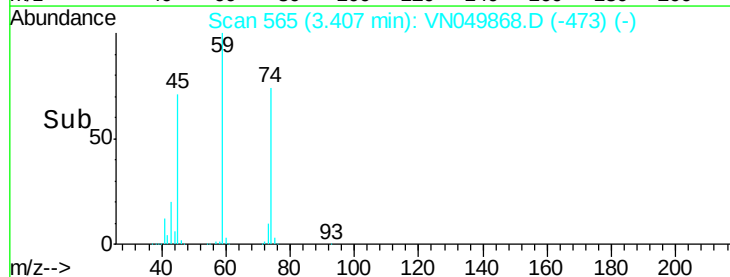
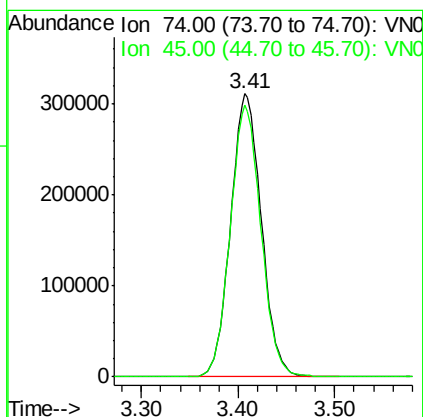
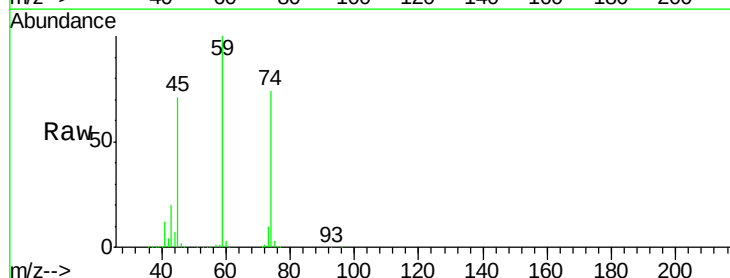
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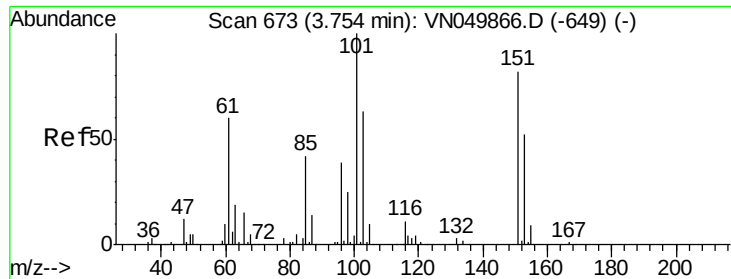


#8

Diethyl Ether
 Concen: 144.59 ug/l
 RT: 3.41 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Tgt Ion: 74 Resp: 685841
 Ion Ratio Lower Upper
 74 100
 45 95.7 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.27 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.01 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1109590

Ion Ratio Lower Upper

101 100

85 42.4 34.4 51.6

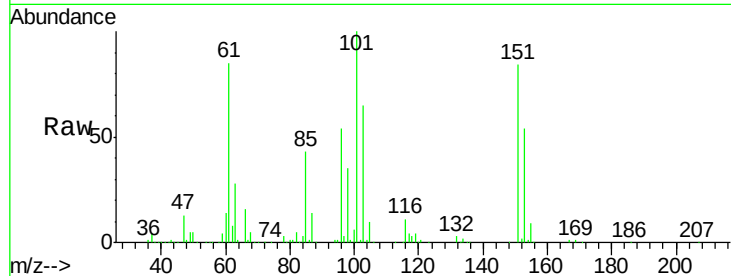
151 83.5 66.2 99.4

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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

500000

400000

300000

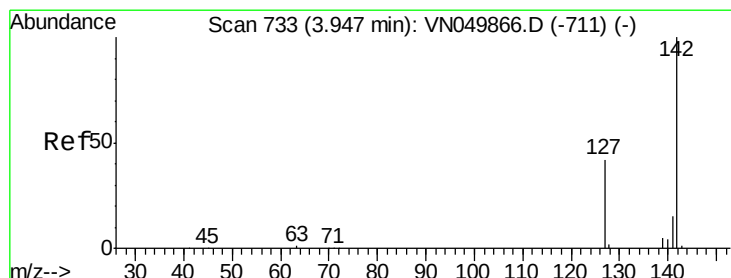
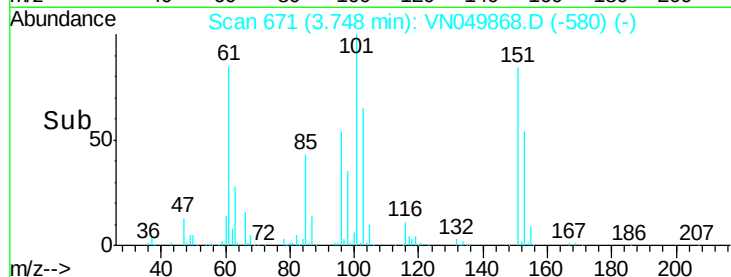
200000

100000

0

3.60 3.70 3.80

Time-->



#10

Methyl Iodide

Concen: 173.76 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

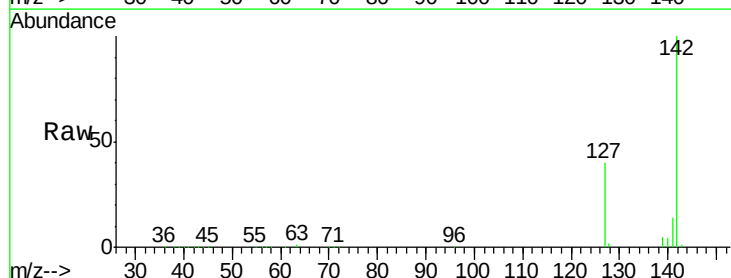
Tgt Ion:142 Resp: 1732085

Ion Ratio Lower Upper

142 100

127 40.7 32.5 48.7

141 14.1 11.1 16.7



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

800000

600000

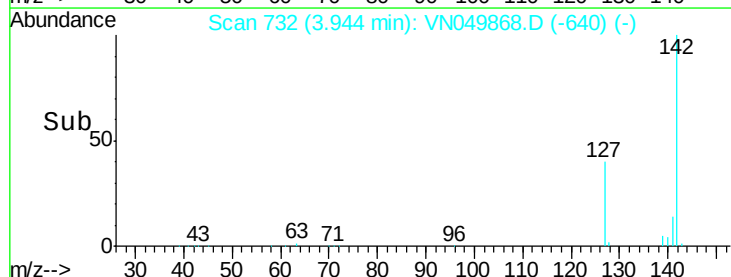
400000

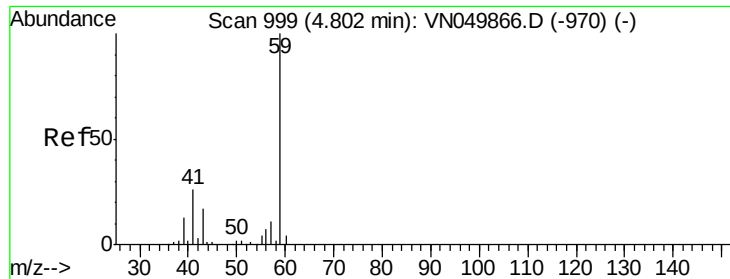
200000

0

3.80 3.90 4.00 4.10

Time-->





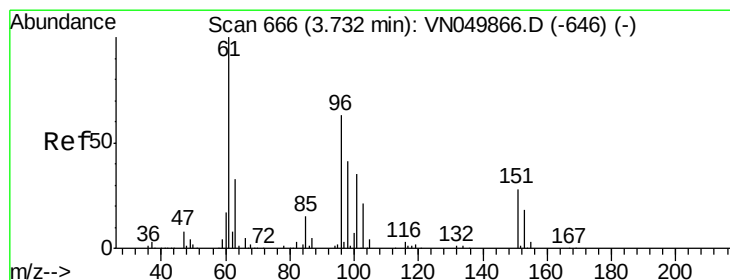
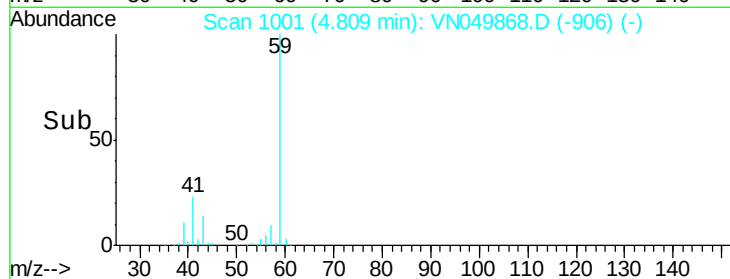
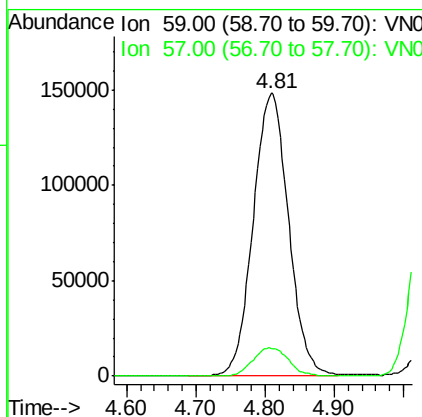
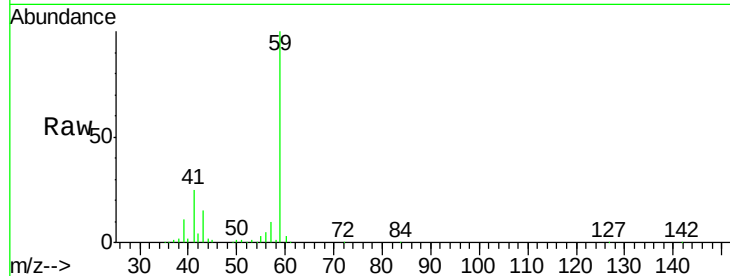
#11
Tert butyl alcohol
Concen: 716.35 ug/l
RT: 4.81 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 525883
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7

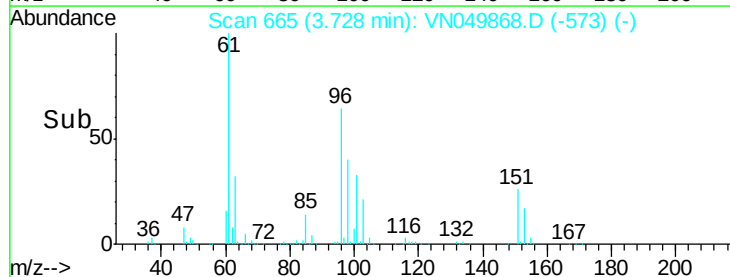
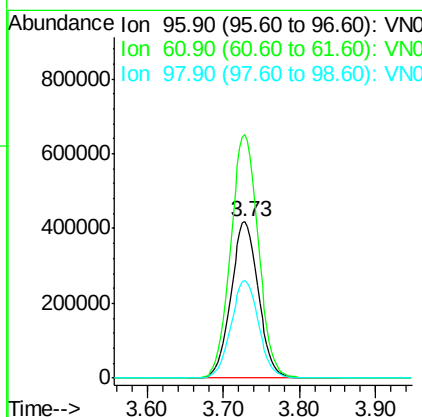
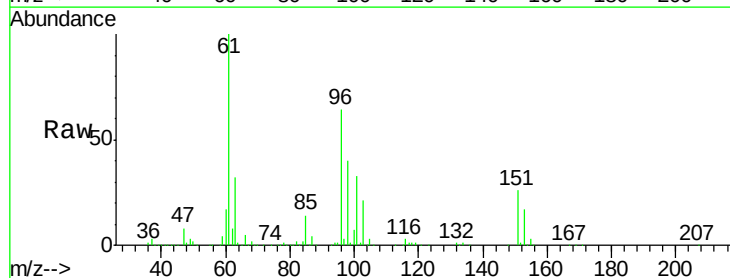
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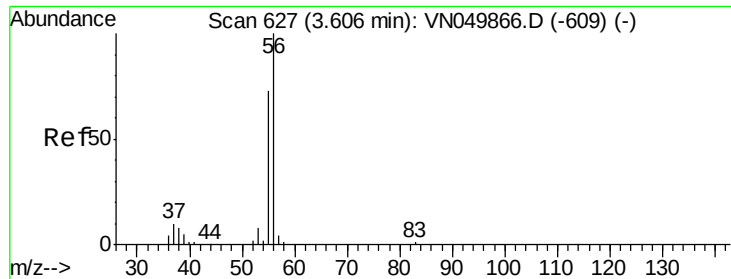
MMDadoda
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#12
1,1-Dichloroethene
Concen: 145.18 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion: 96 Resp: 1045237
Ion Ratio Lower Upper
96 100
61 155.6 126.5 189.7
98 62.7 51.0 76.6





#13

Acrolein

Concen: 646.20 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 367823

Ion Ratio Lower Upper

56 100

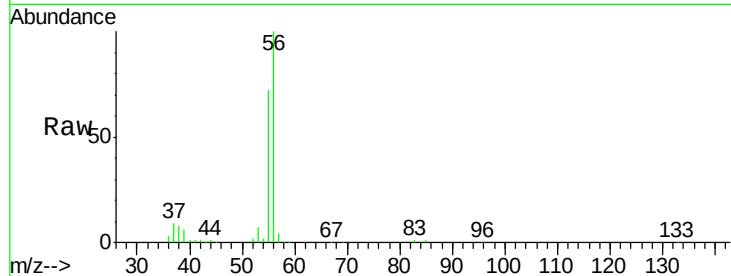
55 71.5 55.8 83.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN049866.D (-609) (-)

Ion 55.00 (54.70 to 55.70): VN049866.D (-609) (-)

3.61

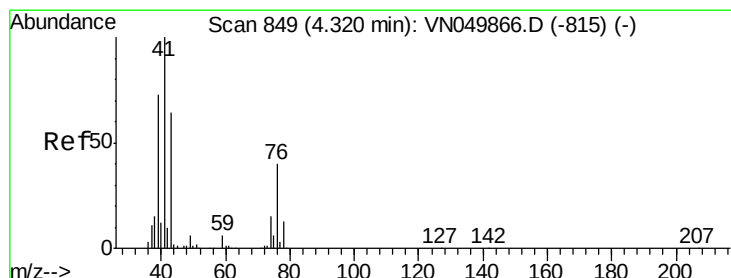
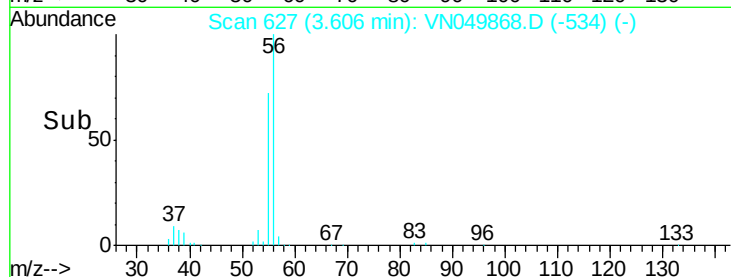
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 156.17 ug/l

RT: 4.32 min Scan# 848

Delta R.T. -0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

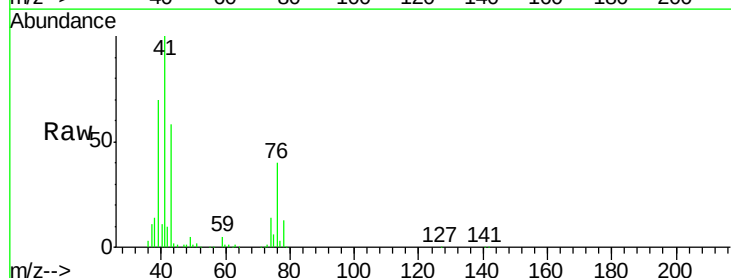
Tgt Ion: 41 Resp: 1785104

Ion Ratio Lower Upper

41 100

39 66.5 53.2 79.8

76 36.7 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VN049866.D (-815) (-)

Ion 39.00 (38.70 to 39.70): VN049866.D (-815) (-)

Ion 75.90 (75.60 to 76.60): VN049866.D (-815) (-)

4.32

800000

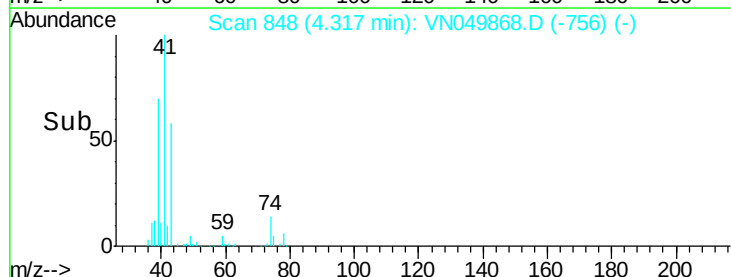
600000

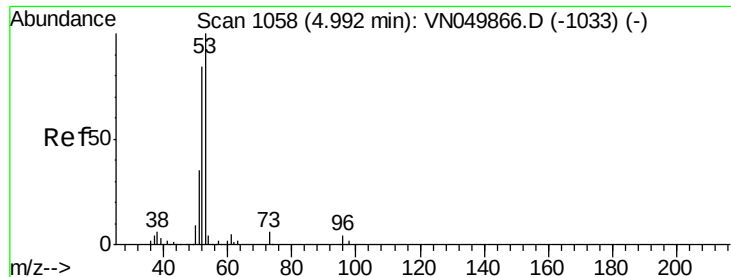
400000

200000

0

Time-->





#15

Acrylonitrile

Concen: 756.99 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2337814

Ion Ratio Lower Upper

53 100

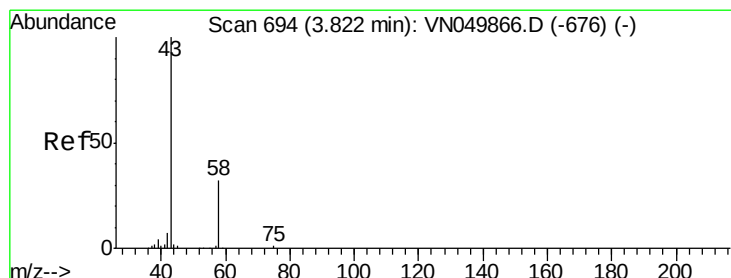
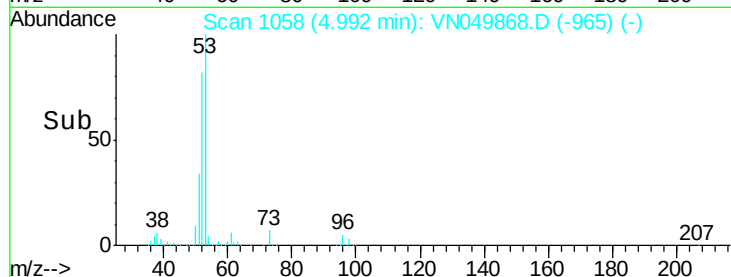
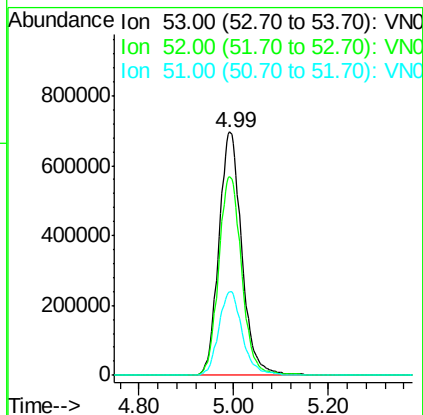
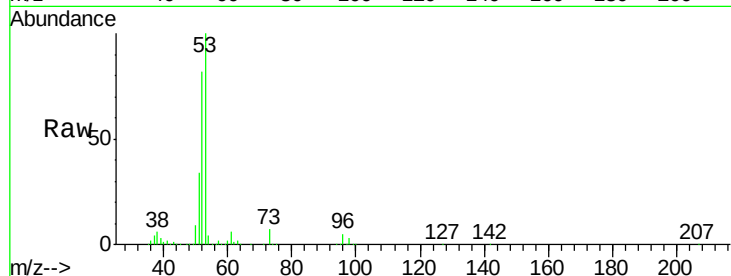
52 81.6 64.8 97.2

51 35.4 28.9 43.3

Manual Integrations
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#16

Acetone

Concen: 644.62 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049868.D

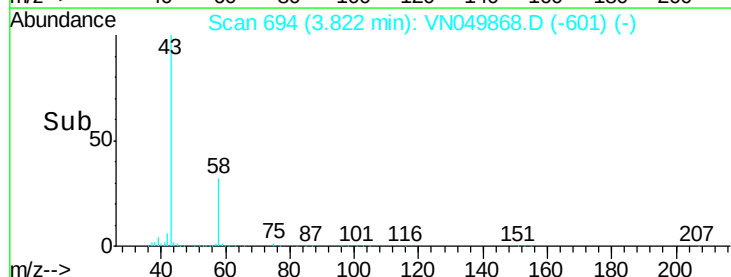
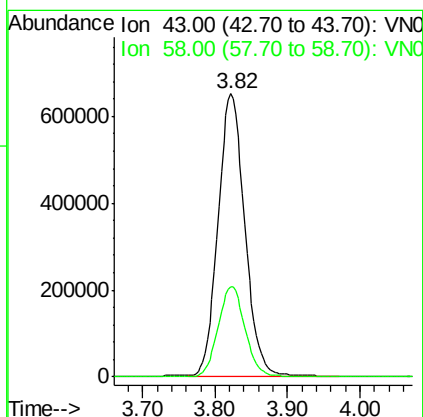
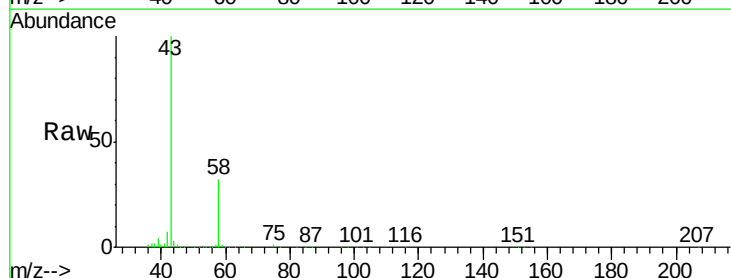
Acq: 18 Jul 2018 12:26

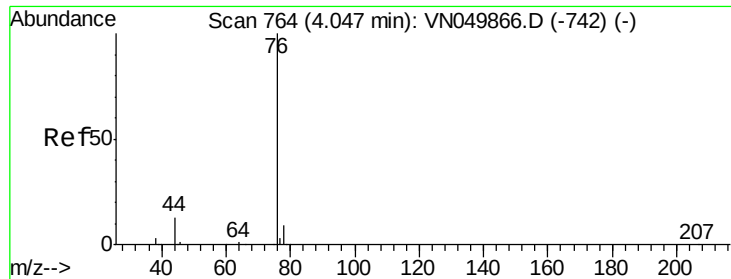
Tgt Ion: 43 Resp: 1659728

Ion Ratio Lower Upper

43 100

58 31.7 25.9 38.9





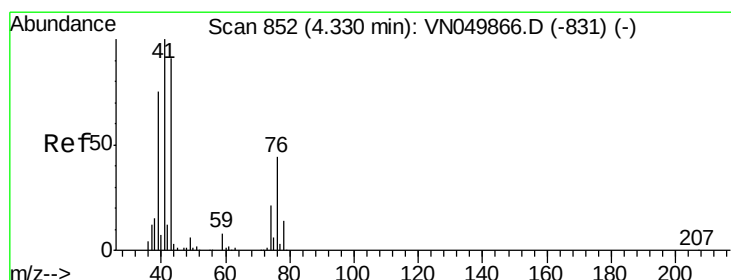
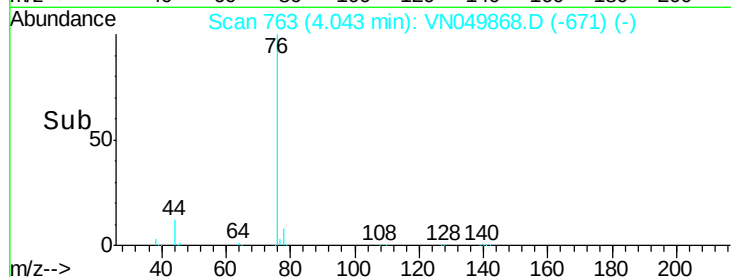
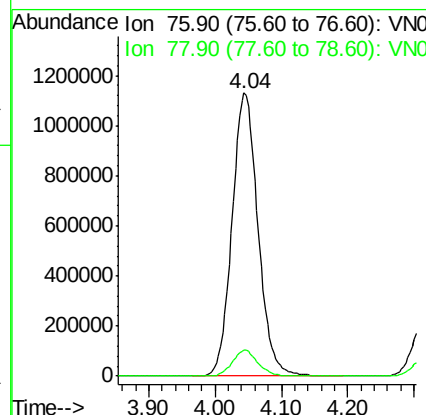
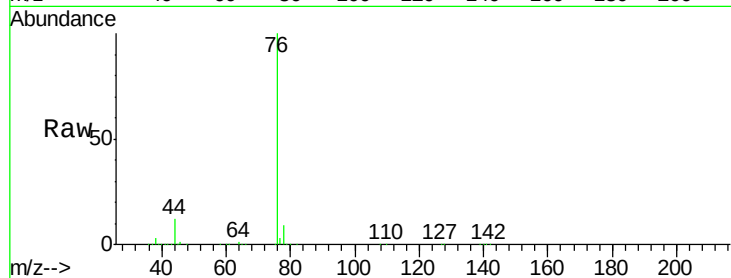
#17
Carbon Disulfide
Concen: 140.09 ug/l
RT: 4.04 min Scan# 763
Delta R.T. -0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 3070009
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

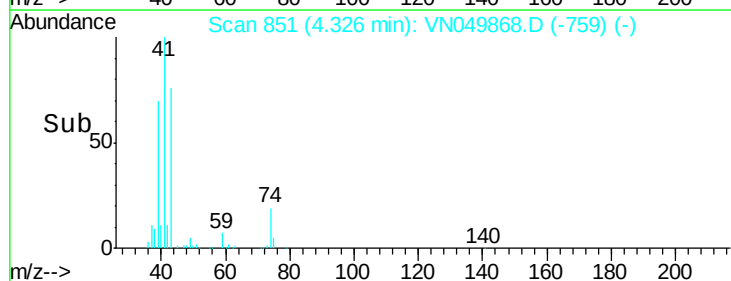
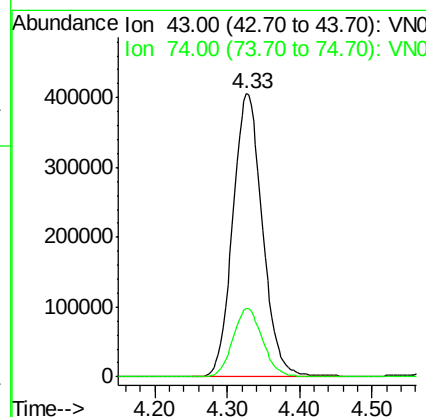
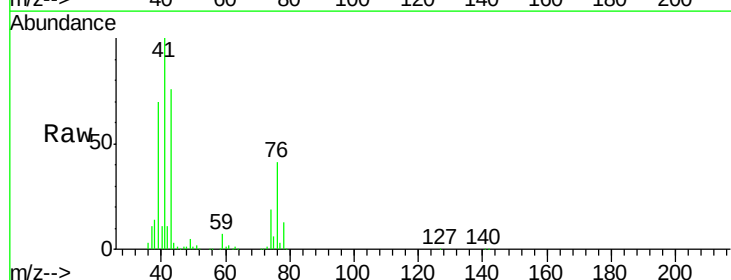
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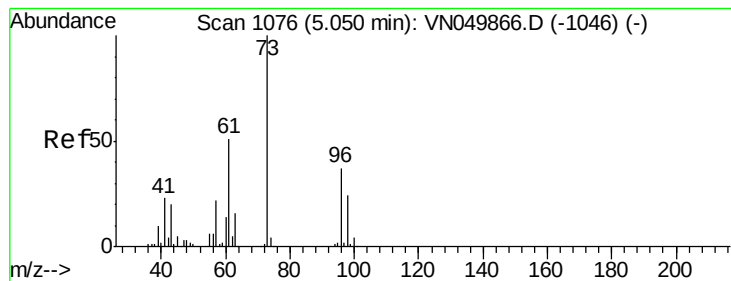
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#18
Methyl Acetate
Concen: 119.34 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion: 43 Resp: 1149935
Ion Ratio Lower Upper
43 100
74 24.3 19.8 29.8





#19

Methvl tert-butvl Ether

Concen: 160.68 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 73 Resp: 3230854

Ion Ratio Lower Upper

73 100

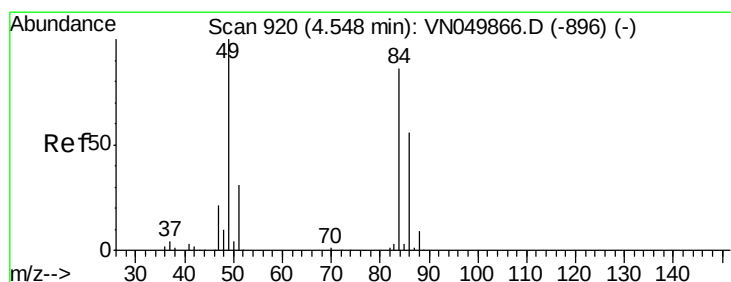
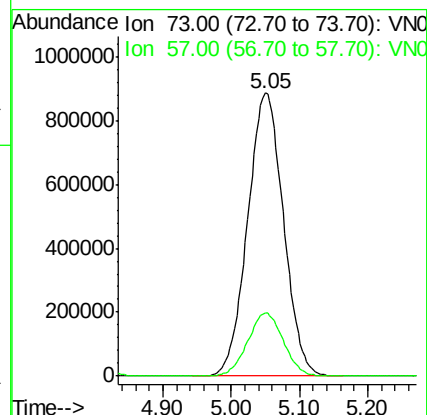
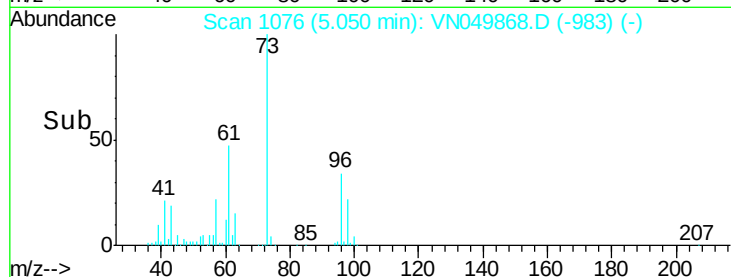
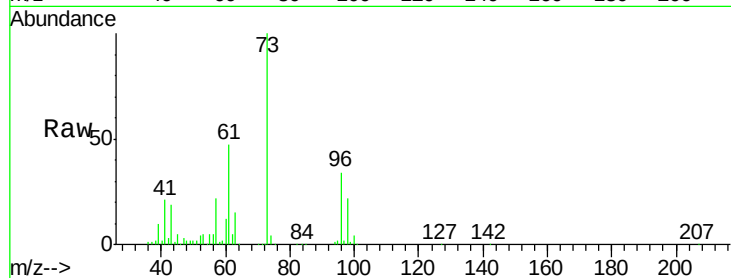
57 22.3 18.1 27.1

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#20

Methylene Chloride

Concen: 138.01 ug/l

RT: 4.55 min Scan# 920

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Tgt Ion: 84 Resp: 1223802

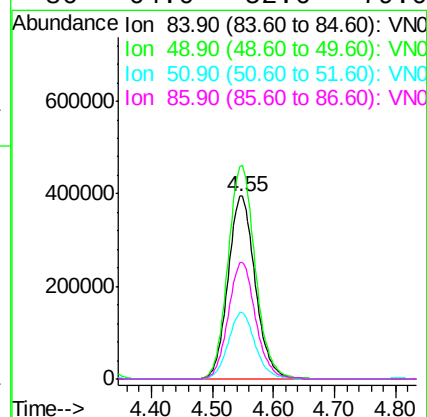
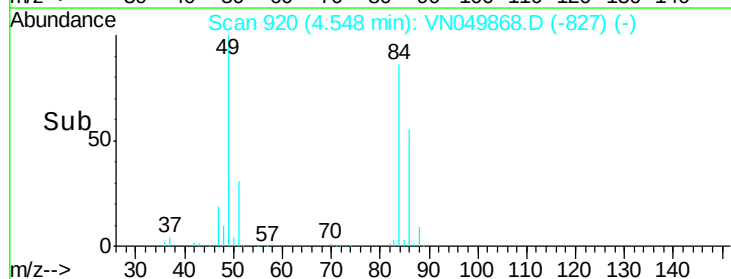
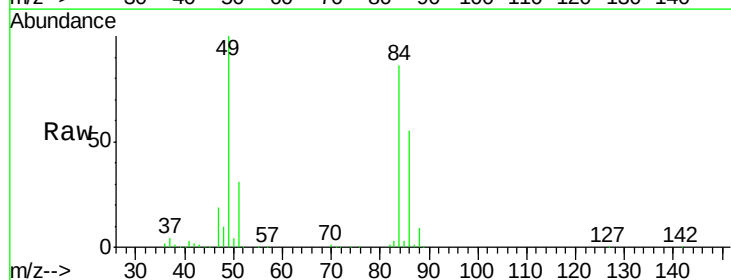
Ion Ratio Lower Upper

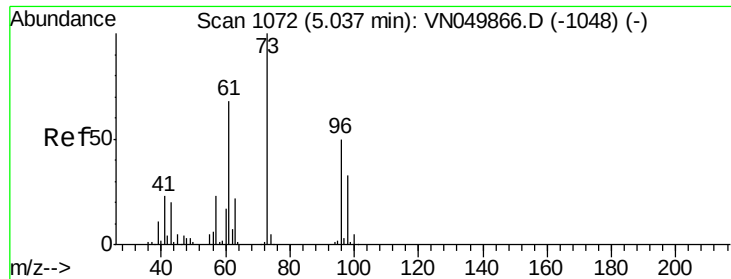
84 100

49 116.9 95.4 143.2

51 36.4 28.4 42.6

86 64.0 52.6 79.0





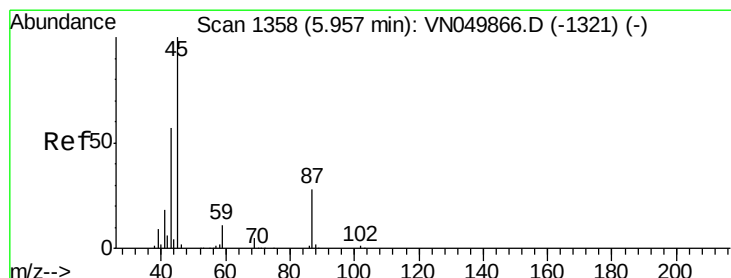
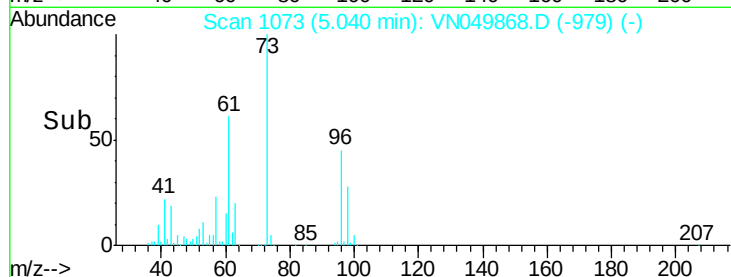
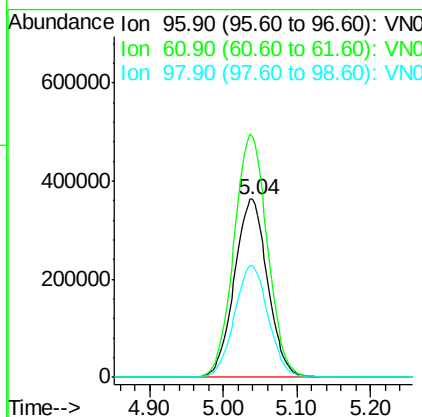
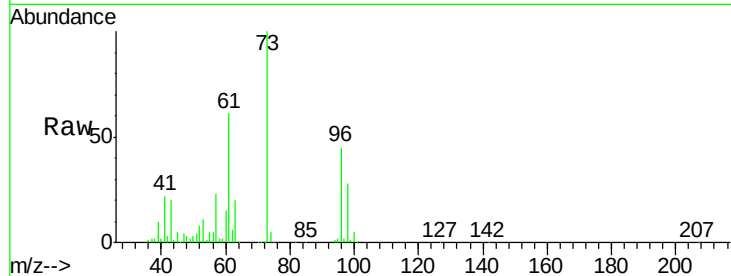
#21
trans-1,2-Dichloroethene
Concen: 150.33 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 1144125
Ion Ratio Lower Upper
96 100
61 135.3 109.0 163.6
98 62.5 51.1 76.7

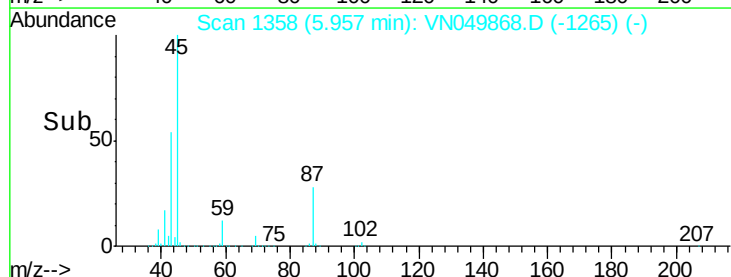
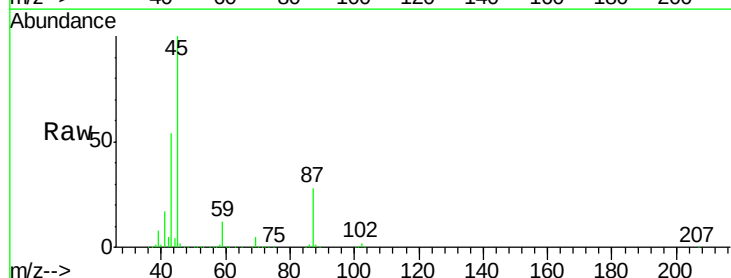
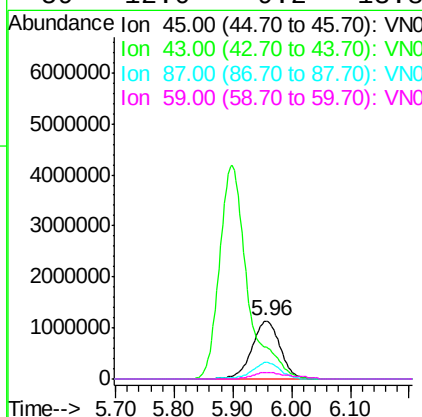
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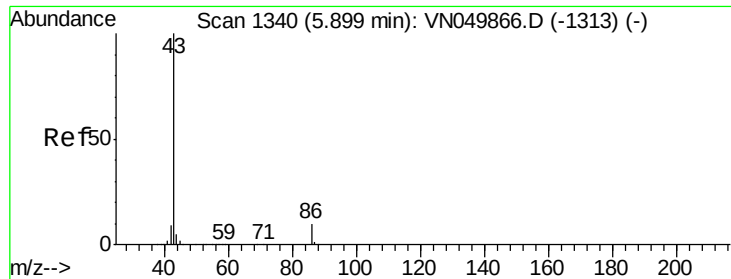
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#22
Diisopropyl ether
Concen: 165.89 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion: 45 Resp: 3790836
Ion Ratio Lower Upper
45 100
43 54.3 48.1 72.1
87 28.3 22.6 34.0
59 12.0 9.2 13.8





#23

Vinyl Acetate

Concen: 823.23 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:13836082

Ion Ratio Lower Upper

43 100

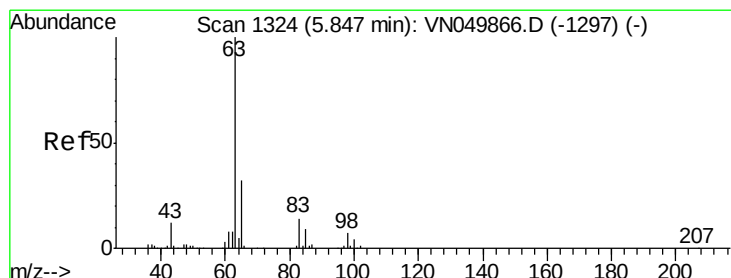
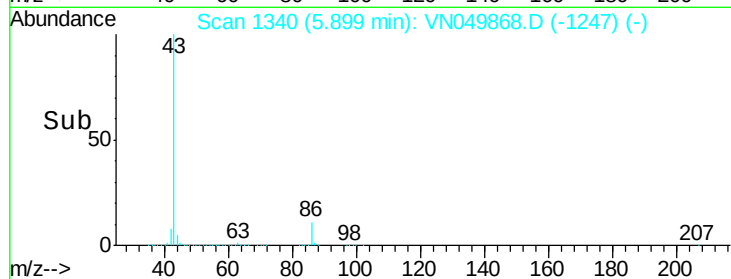
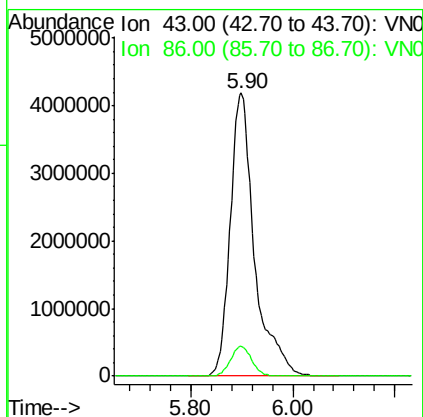
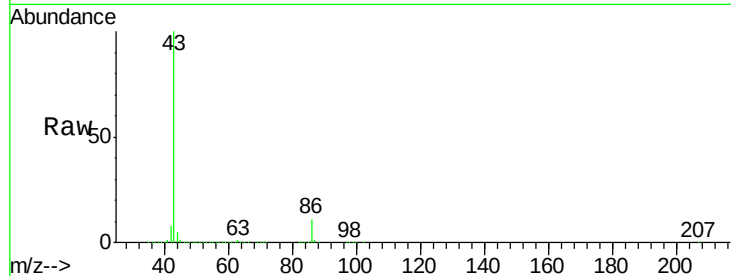
86 10.6 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 146.64 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

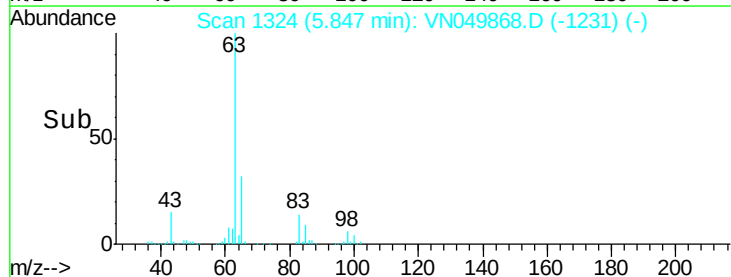
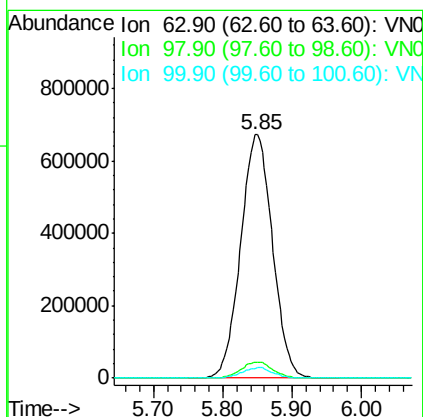
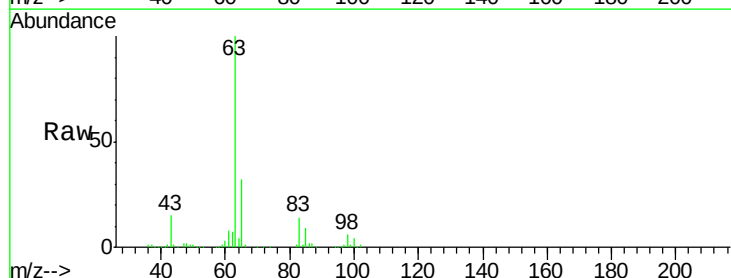
Tgt Ion: 63 Resp: 2147679

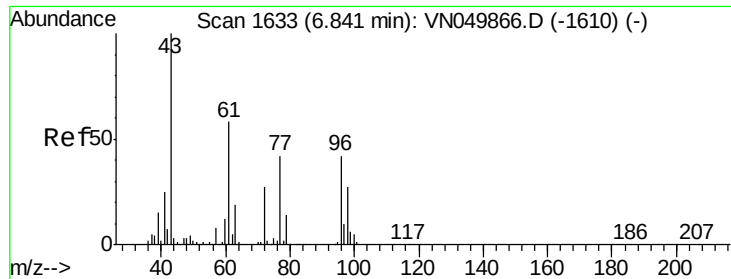
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.0 2.2 6.6





#25

2-Butanone

Concen: 720.01 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2740034

Ion Ratio Lower Upper

43 100

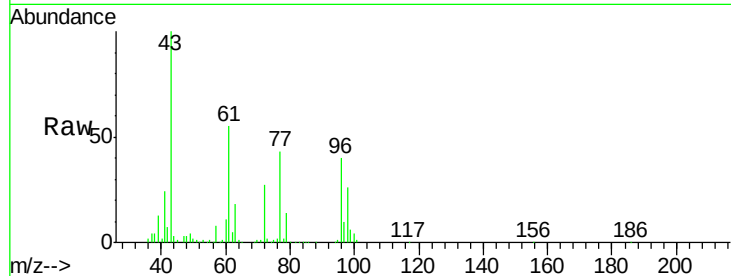
72 27.2 22.1 33.1

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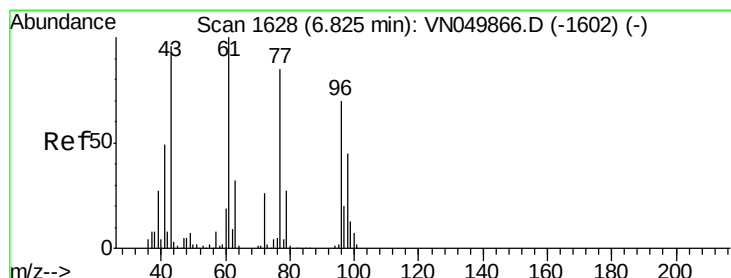
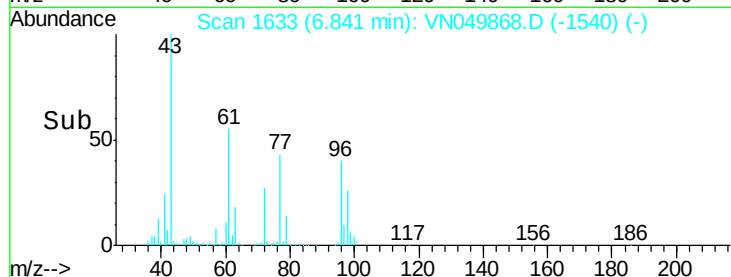
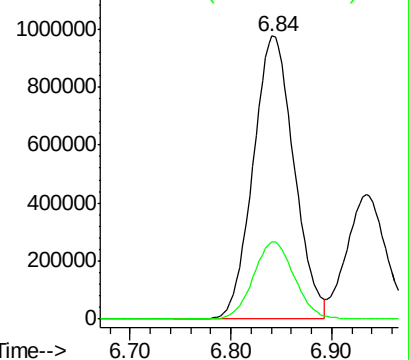
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 154.55 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049868.D

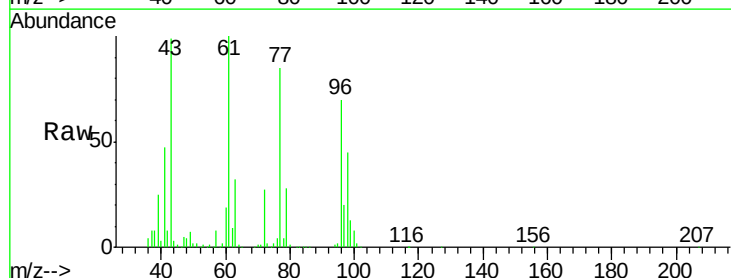
Acq: 18 Jul 2018 12:26

Tgt Ion: 77 Resp: 1723175

Ion Ratio Lower Upper

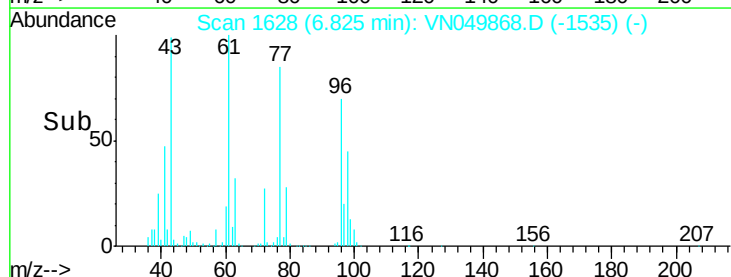
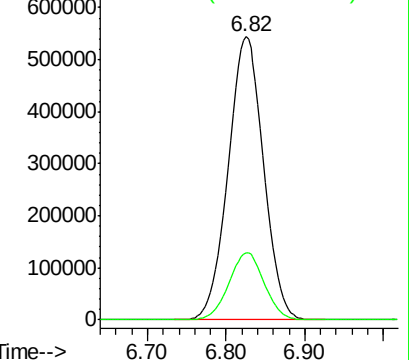
77 100

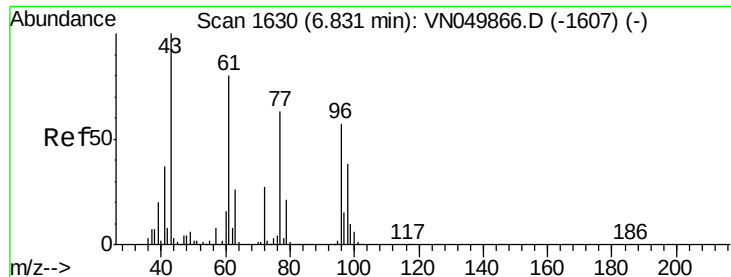
97 23.8 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 155.53 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1326943

Ion Ratio Lower Upper

96 100

61 143.1 0.0 289.0

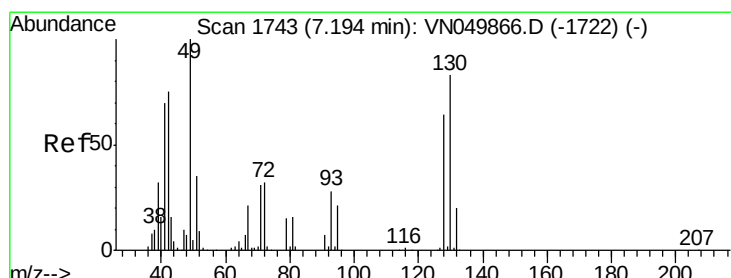
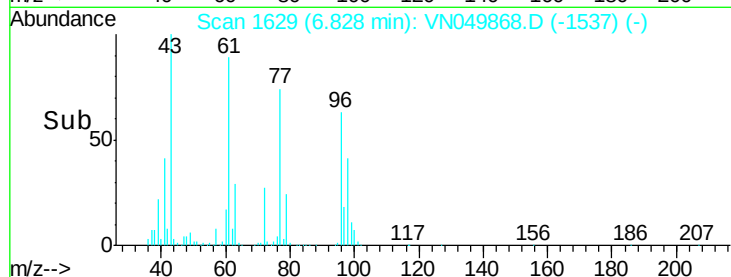
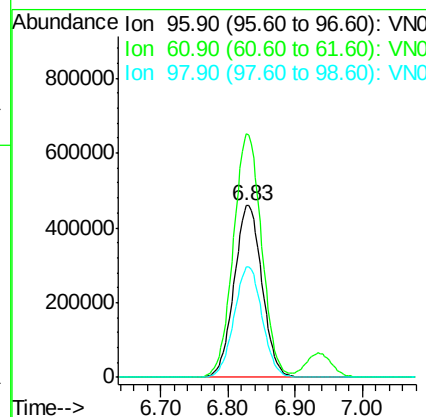
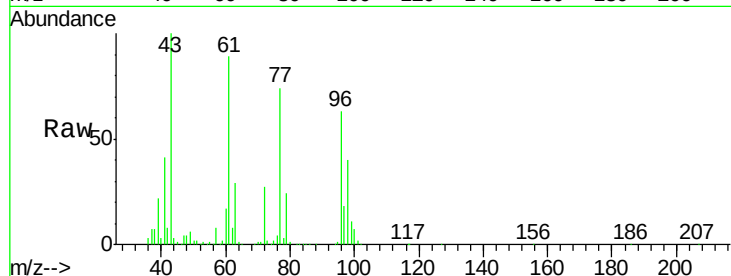
98 64.7 0.0 130.2

Manual Integrations

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#28

Bromochloromethane

Concen: 151.05 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

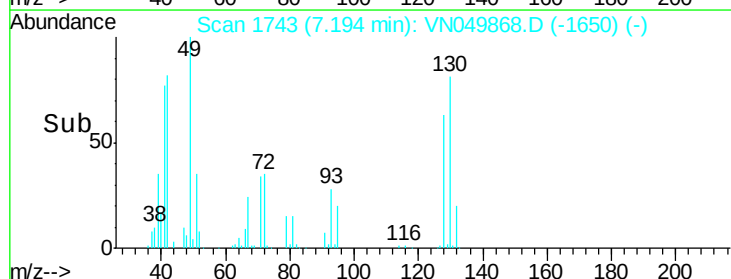
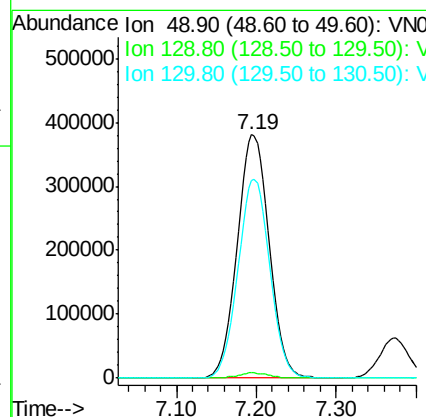
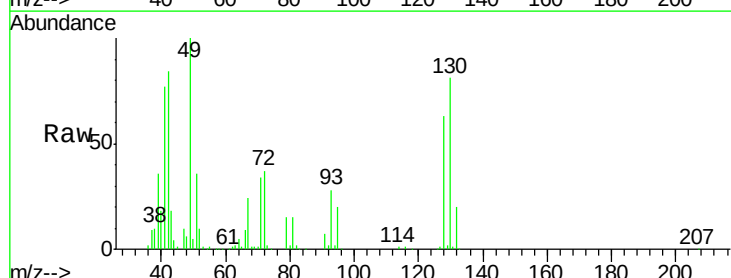
Tgt Ion: 49 Resp: 1026966

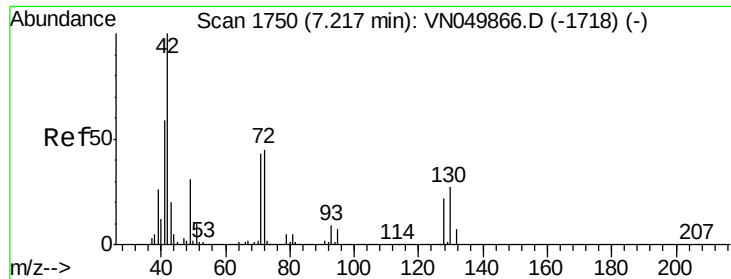
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

130 81.5 65.5 98.3





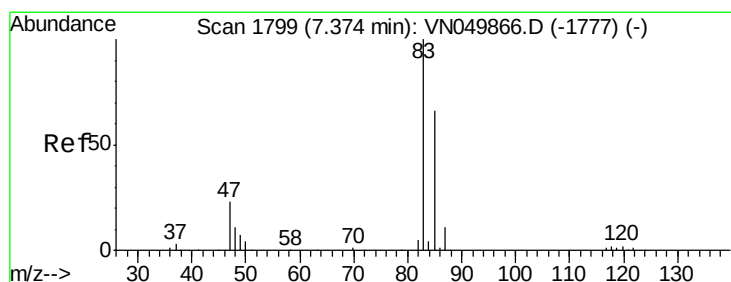
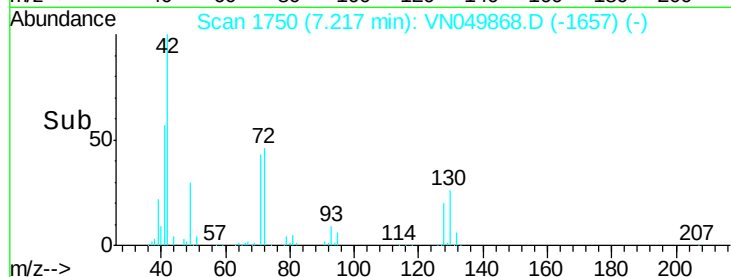
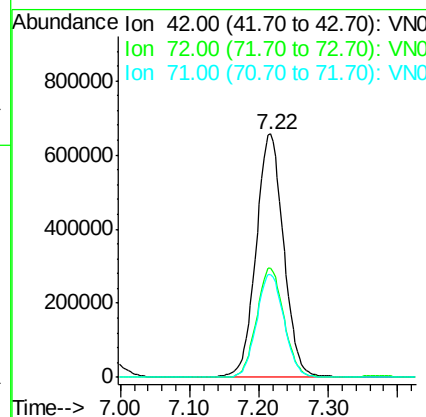
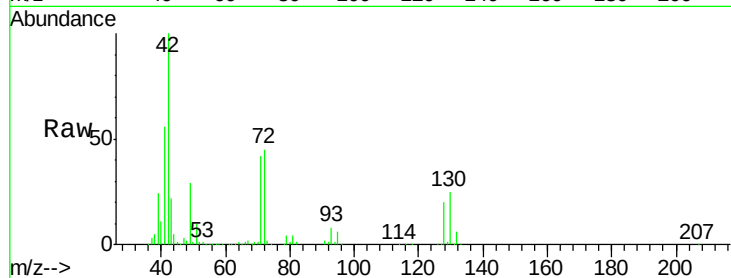
#29
Tetrahydrofuran
Concen: 745.07 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1802830
Ion Ratio Lower Upper
42 100
72 44.5 35.6 53.4
71 42.2 34.0 51.0

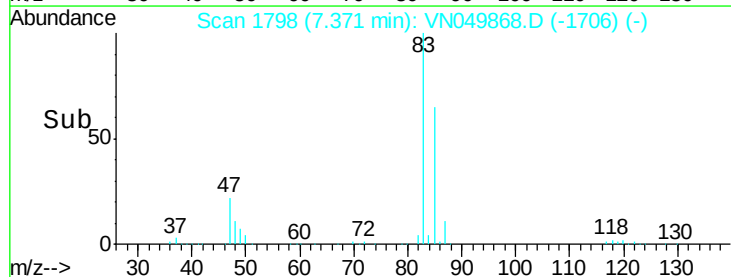
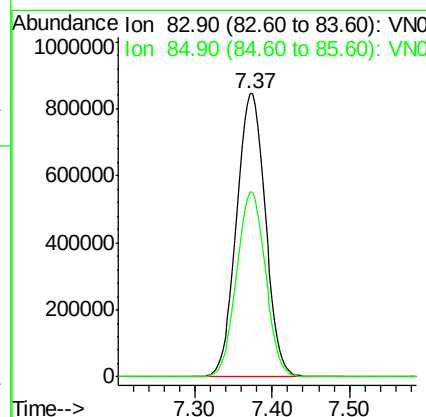
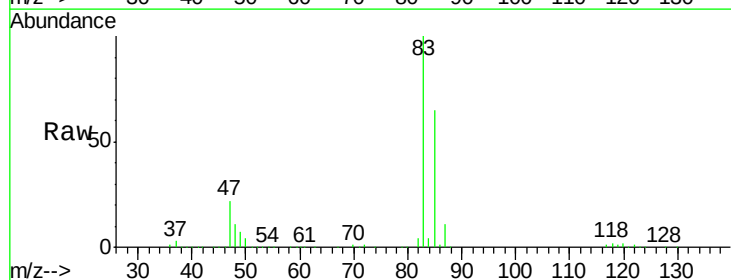
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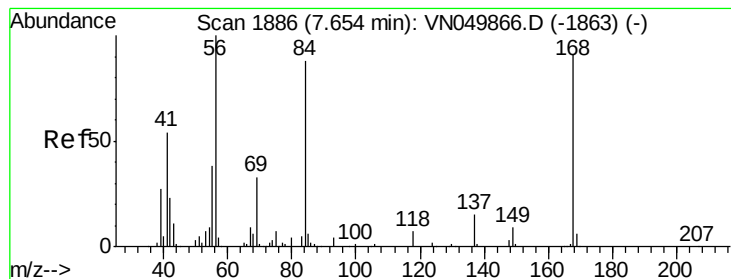
MMDadoda
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#30
Chloroform
Concen: 144.75 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion: 83 Resp: 2188361
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.2





#31

Cyclohexane

Concen: 136.33 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1898604

Ion Ratio Lower Upper

56 100

69 30.8 26.6 40.0

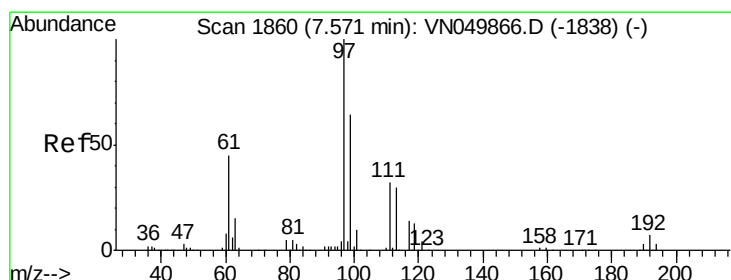
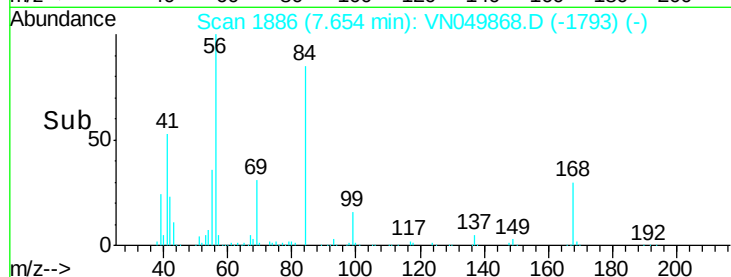
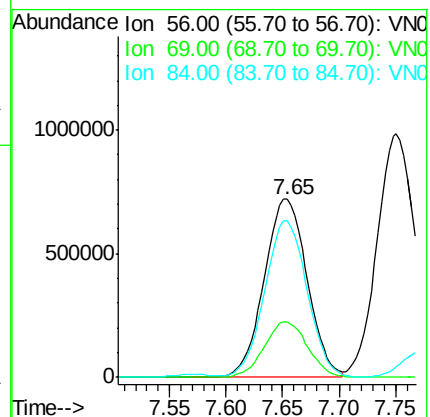
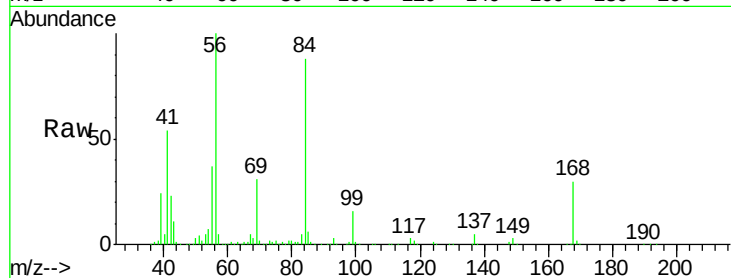
84 86.3 69.0 103.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 149.03 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

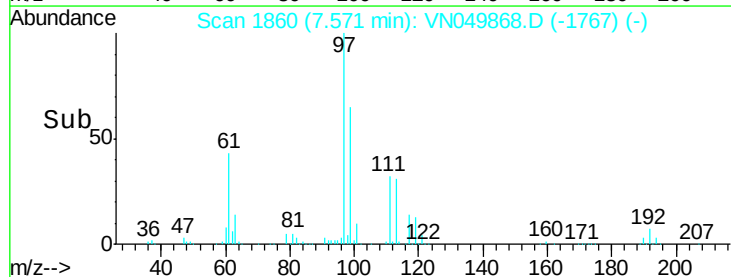
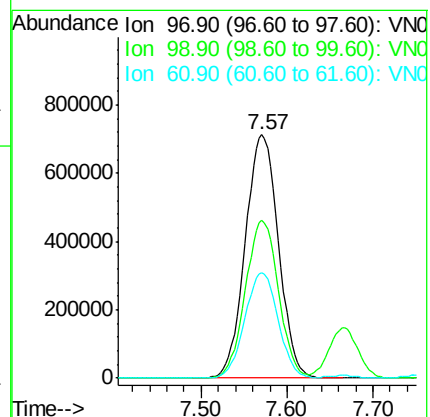
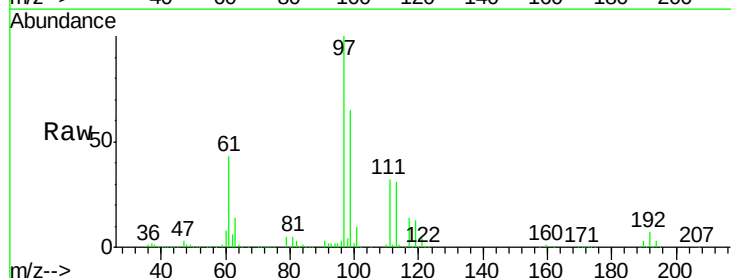
Tgt Ion: 97 Resp: 1913862

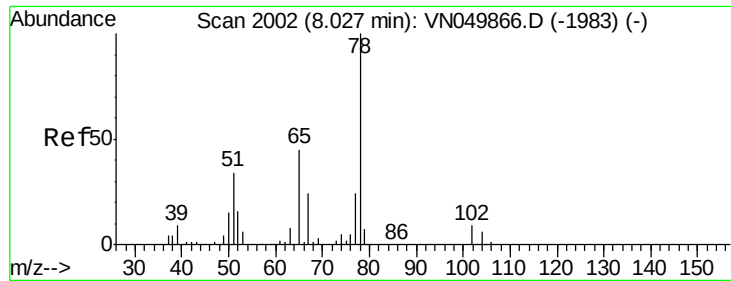
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

61 43.4 35.5 53.3





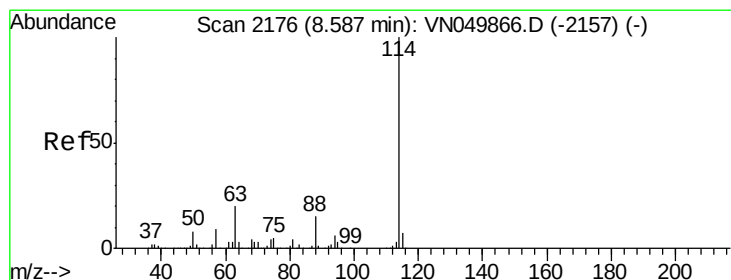
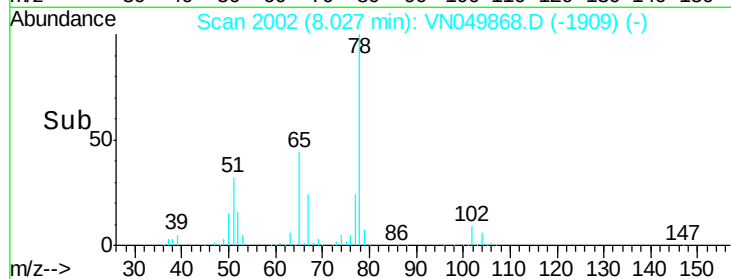
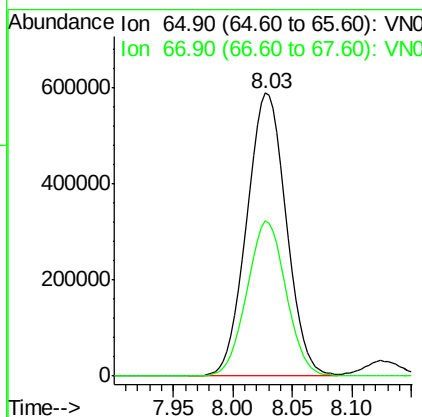
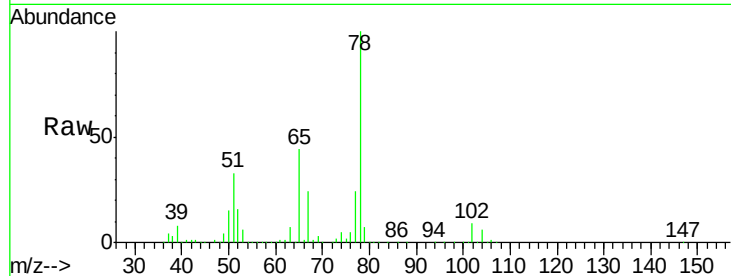
#33
 1,2-Dichloroethane-d4
 Concen: 147.01 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1359126
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.2

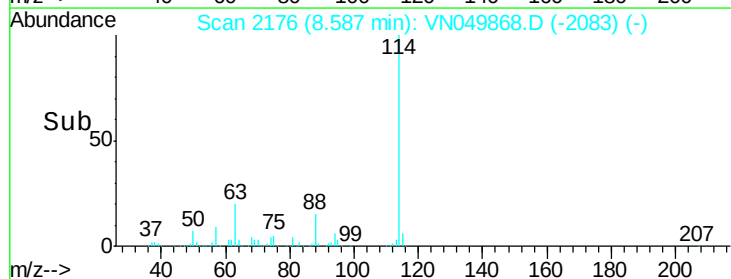
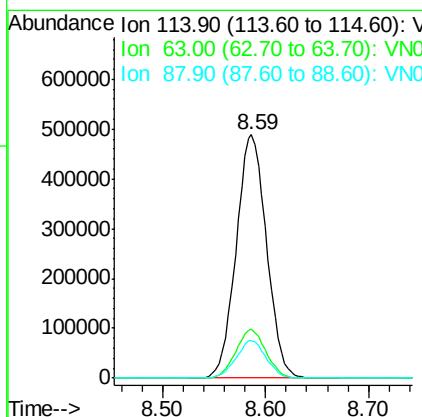
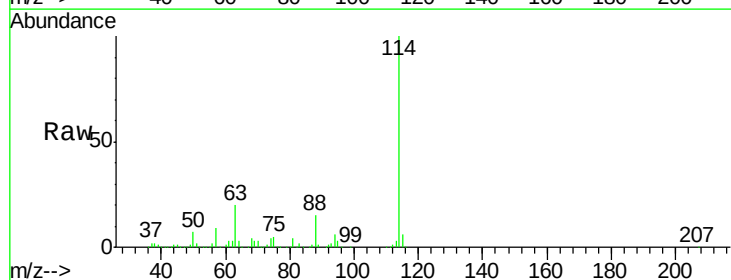
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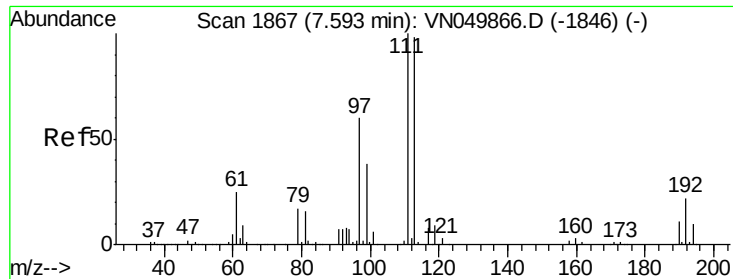
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Tgt Ion: 114 Resp: 1001829
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.5 0.0 30.6





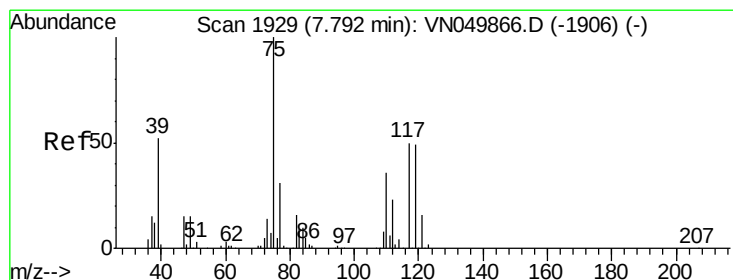
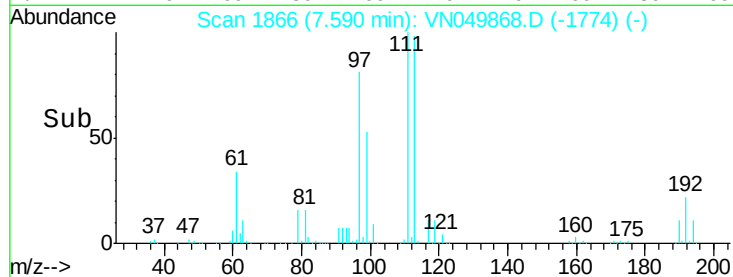
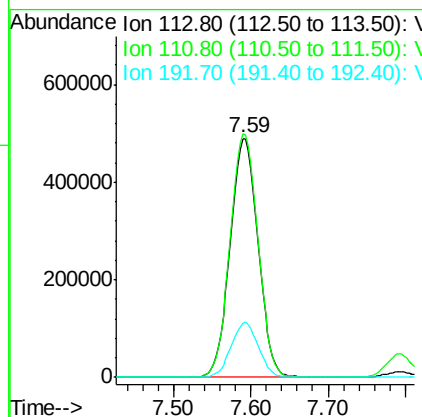
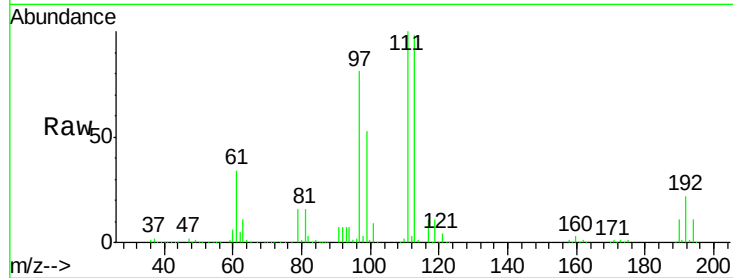
#35
 Dibromofluoromethane
 Concen: 153.36 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	22.5	17.8	26.6

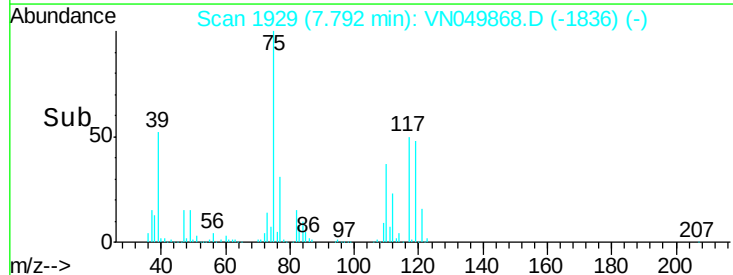
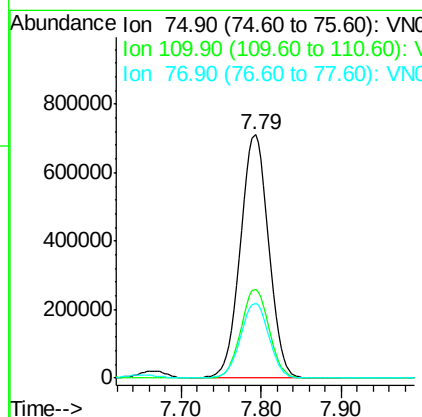
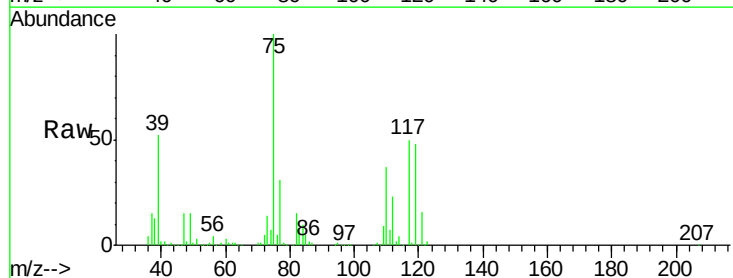
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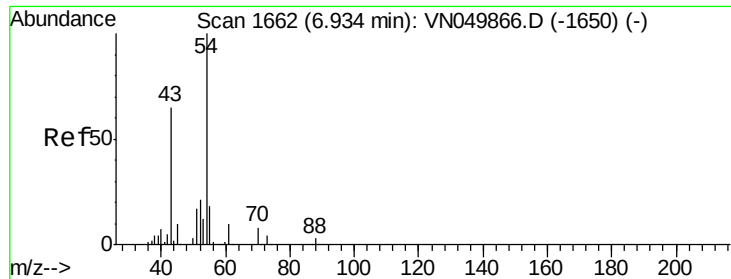
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#36
 1,1-Dichloropropene
 Concen: 159.14 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.4
77	30.9	24.9	37.3





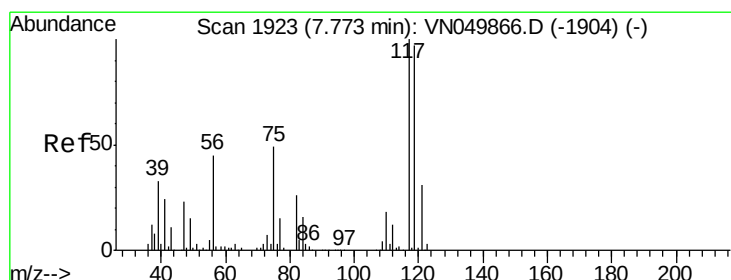
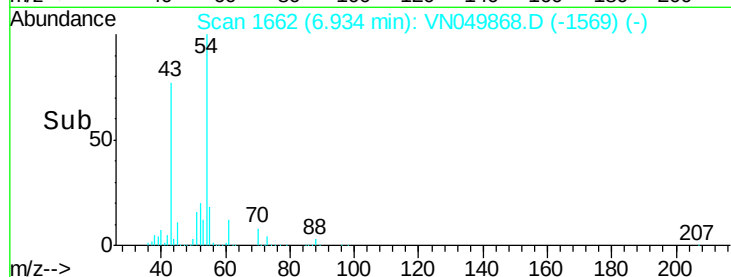
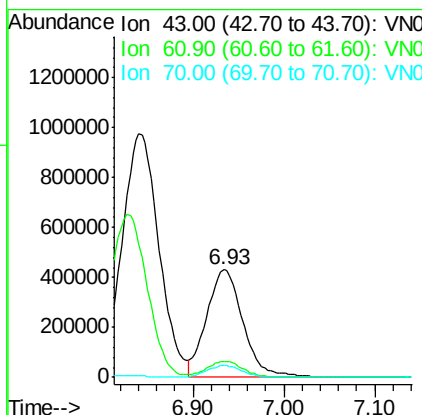
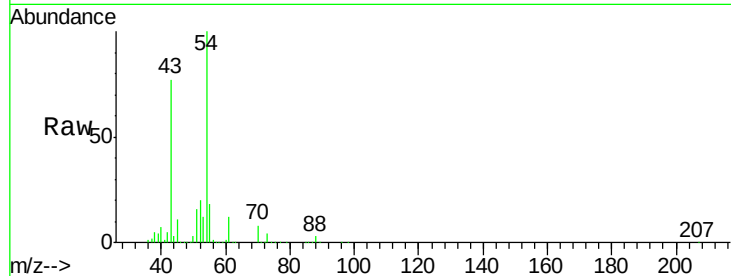
#37
Ethyl Acetate
Concen: 150.12 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	43	61	70
Resp	1186665		
Ratio	100	14.8	10.7
Lower		11.7	8.4
Upper		17.5	12.6

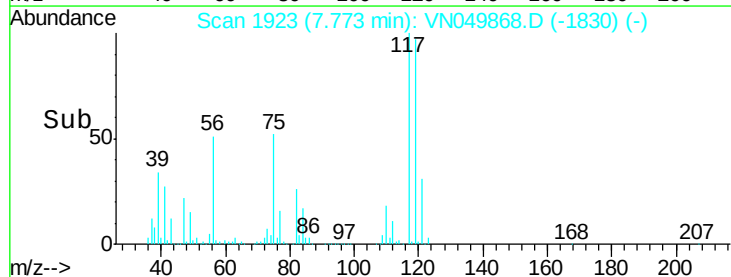
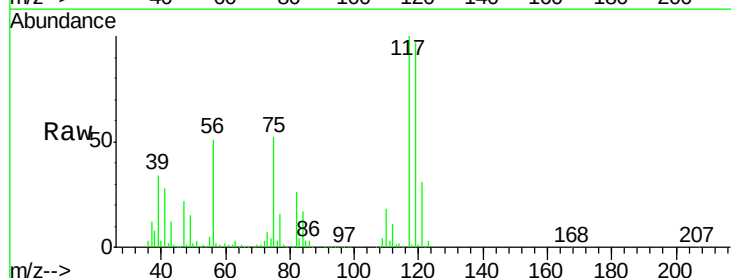
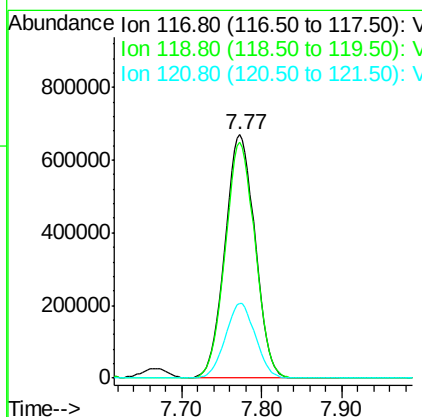
Manual Integrations
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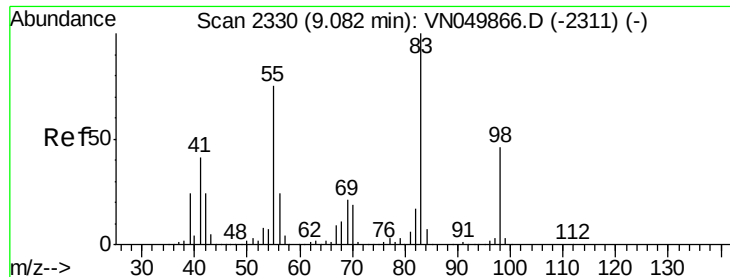
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#38
Carbon Tetrachloride
Concen: 152.92 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion	117	119	121
Resp	1707678		
Ratio	100	96.8	30.8
Lower		77.2	25.0
Upper		115.8	37.6





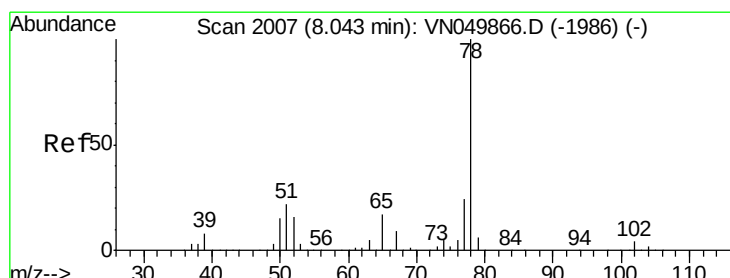
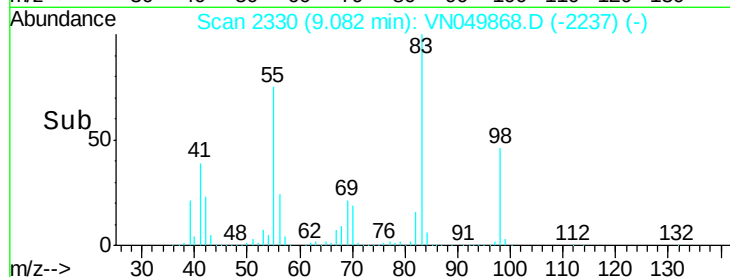
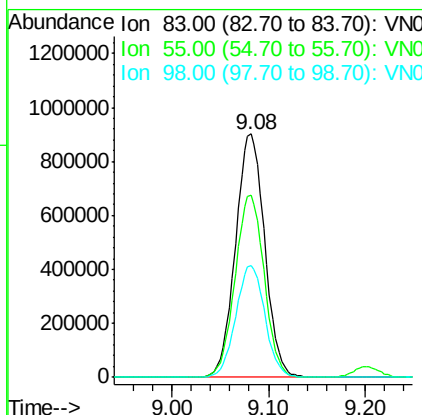
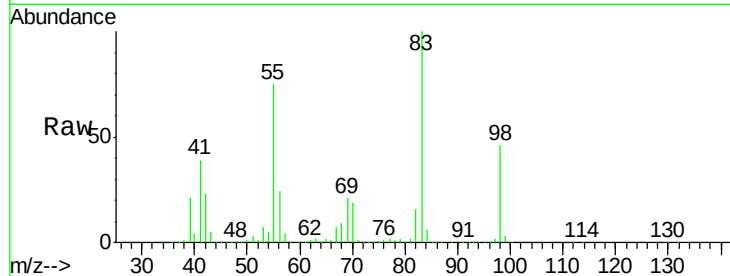
#39
Methylvlcyclohexane
Concen: 172.83 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	1886778
Ion	Ratio	Lower	Upper
83	100		
55	74.7	59.7	89.5
98	46.1	36.5	54.7

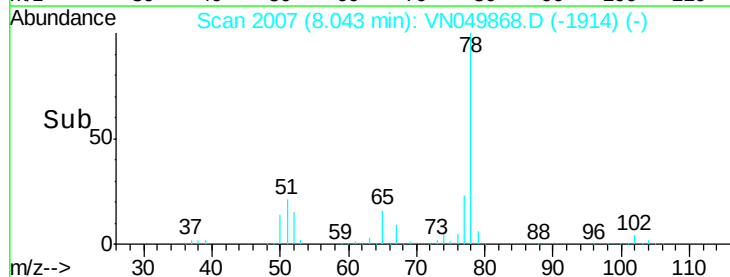
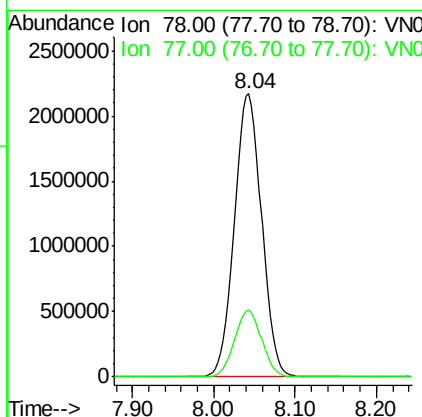
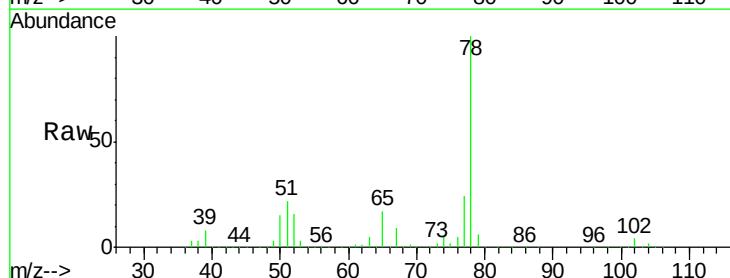
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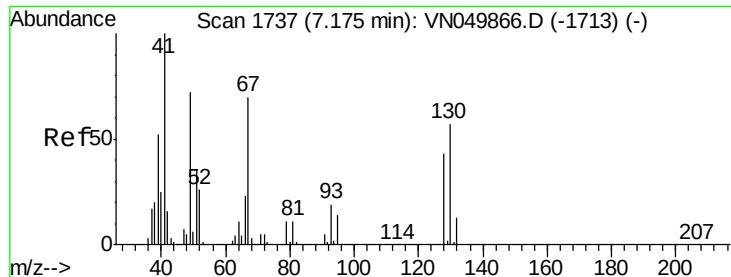
MMDadoda
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#40
Benzene
Concen: 156.58 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion	78	Resp	5031349
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





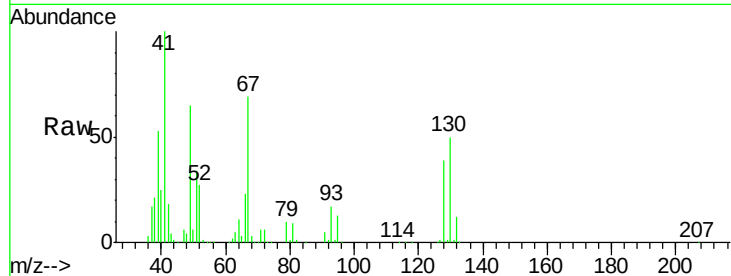
#41
Methacrylonitrile
Concen: 163.52 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.7	45.4	68.2
67	82.0	65.4	98.0
52	32.1	24.7	37.1

Manual Integrations
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MMDadoda
7/19/2018 4:28:56 PM



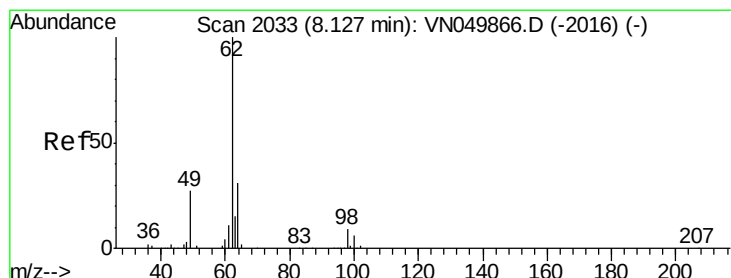
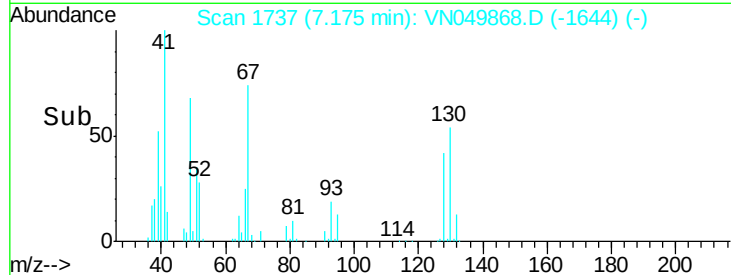
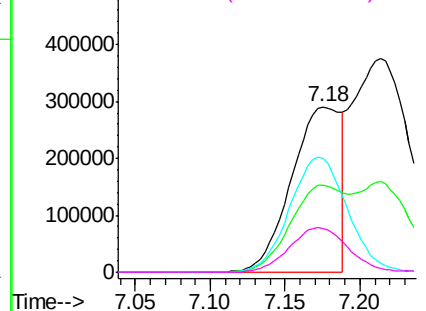
Abundance

Ion 41.00 (40.70 to 41.70): VN049866.D (-1713) (-)

Ion 39.00 (38.70 to 39.70): VN049866.D (-1713) (-)

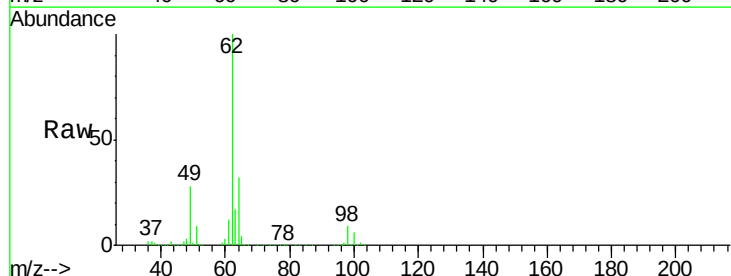
Ion 67.00 (66.70 to 67.70): VN049866.D (-1713) (-)

Ion 52.00 (51.70 to 52.70): VN049866.D (-1713) (-)



#42
1,2-Dichloroethane
Concen: 148.04 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

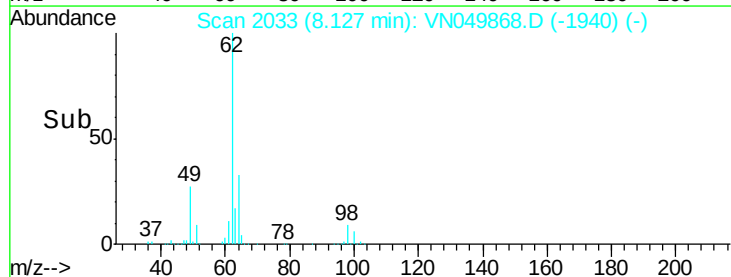
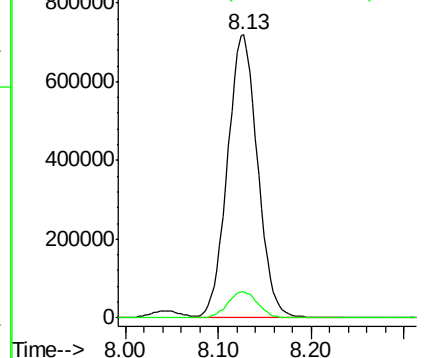
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0

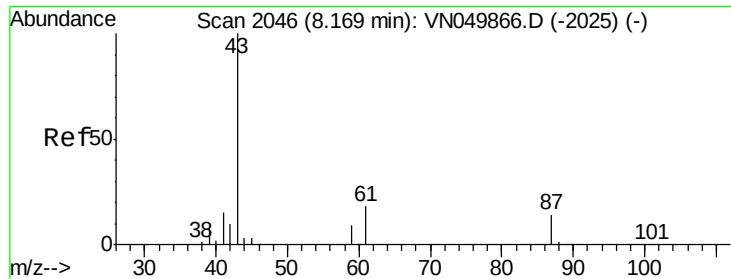


Abundance

Ion 61.90 (61.60 to 62.60): VN049866.D (-1916) (-)

Ion 97.90 (97.60 to 98.60): VN049866.D (-1916) (-)





#43

Isopropyl Acetate

Concen: 158.05 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2125981

Ion Ratio Lower Upper

43 100

61 21.1 14.9 22.3

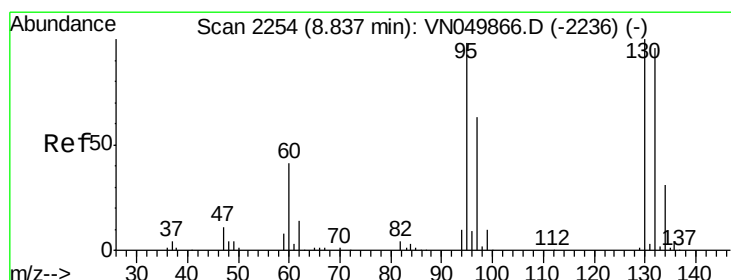
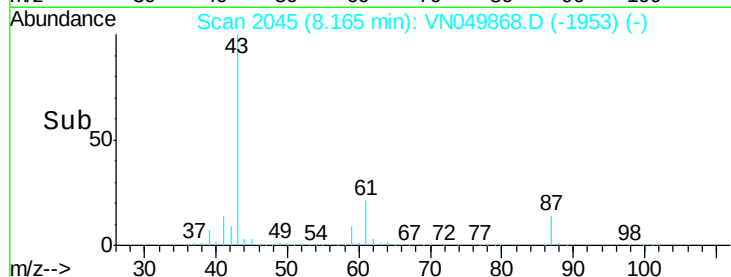
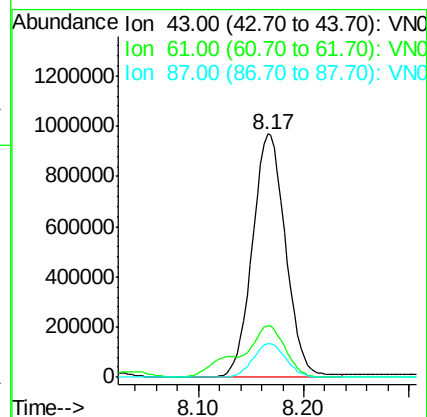
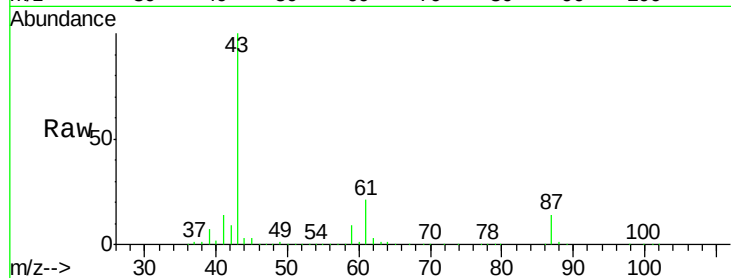
87 13.9 10.0 15.0

Manual Integrations

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MMDadoda

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#44

Trichloroethene

Concen: 156.16 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049868.D

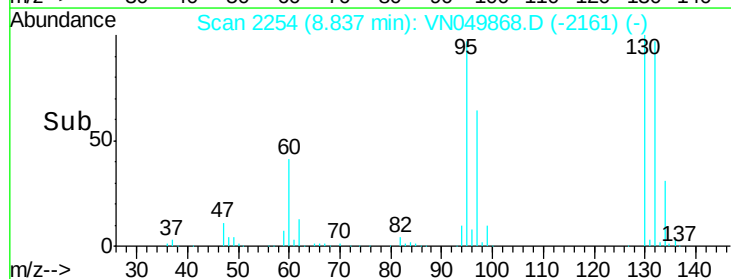
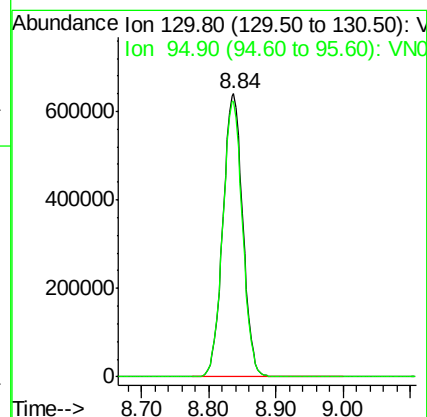
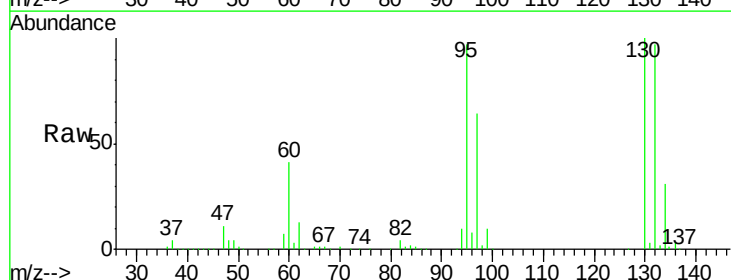
Acq: 18 Jul 2018 12:26

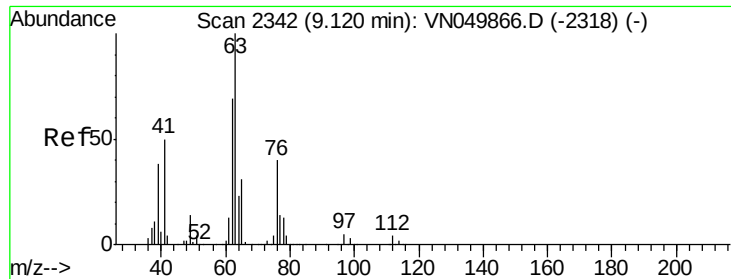
Tgt Ion:130 Resp: 1320076

Ion Ratio Lower Upper

130 100

95 97.4 0.0 192.8





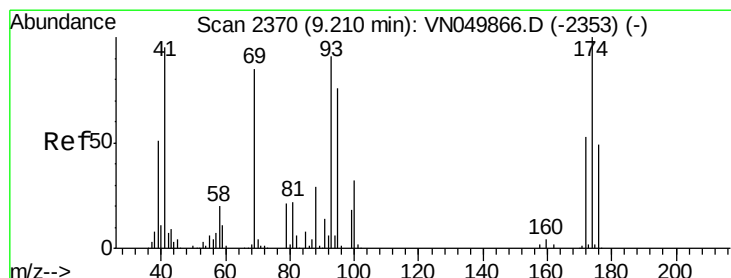
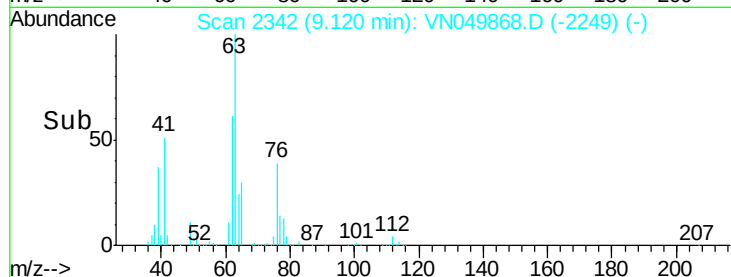
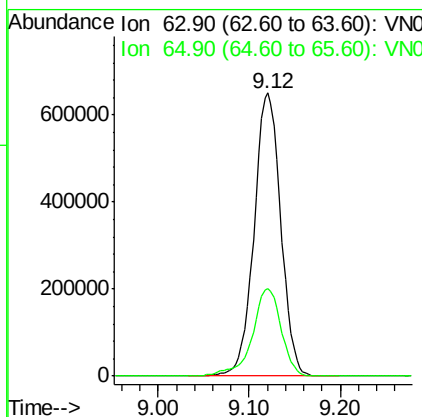
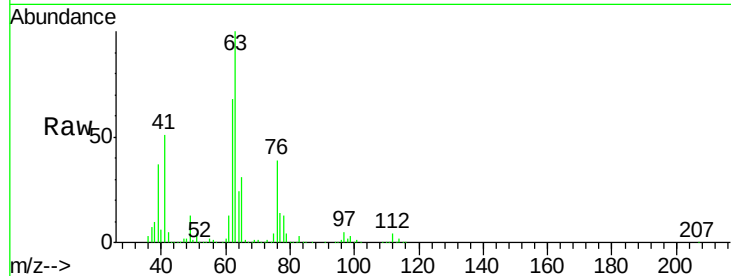
#45
 1,2-Dichloropropane
 Concen: 154.61 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1323513
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.7 37.1

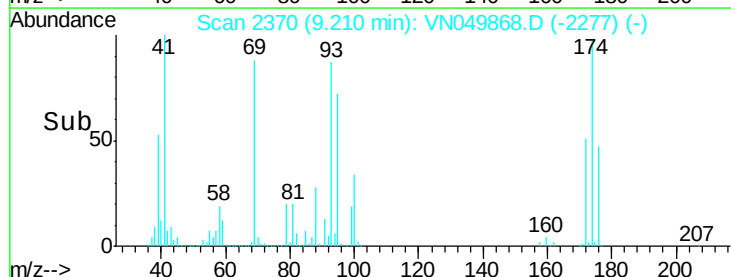
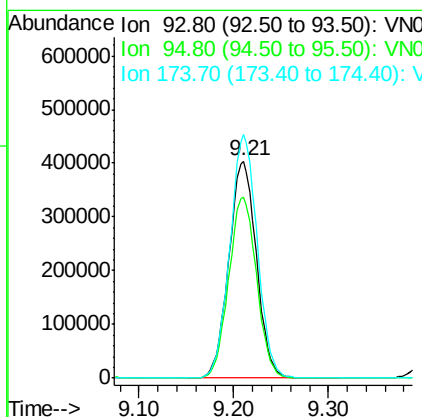
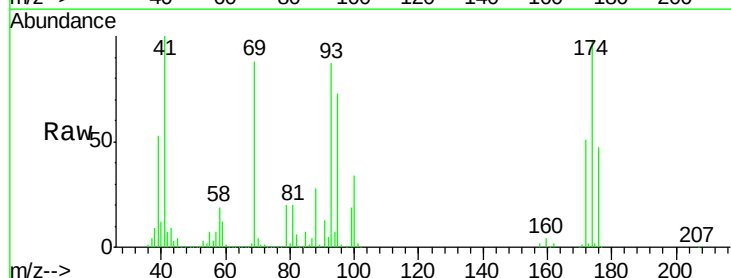
Manual Integrations
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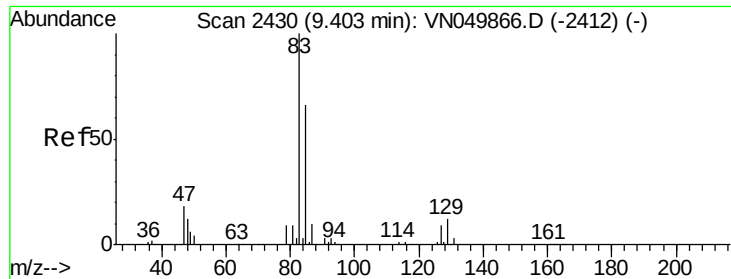
MMDadoda
 7/19/2018 4:28:56 PM



#46
 Dibromomethane
 Concen: 149.44 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Tgt Ion: 93 Resp: 816222
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.9 101.9
 174 111.9 89.4 134.0





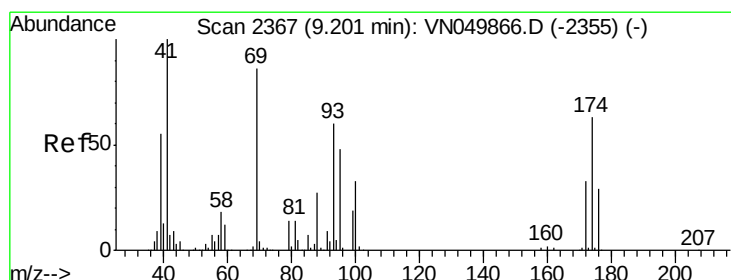
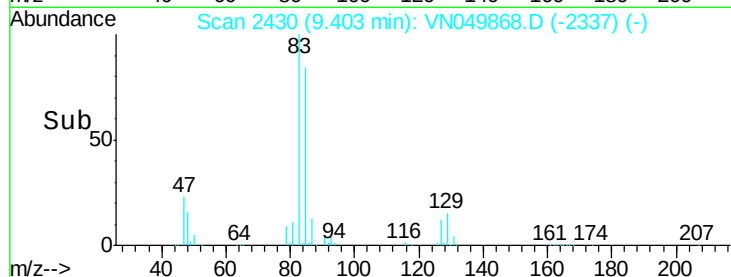
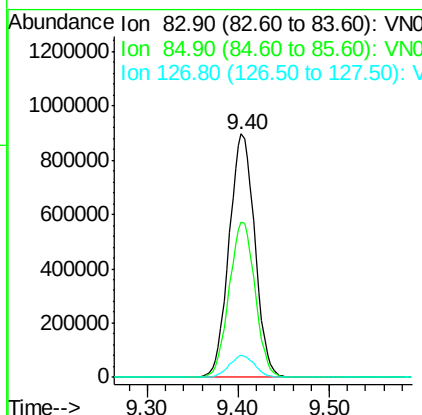
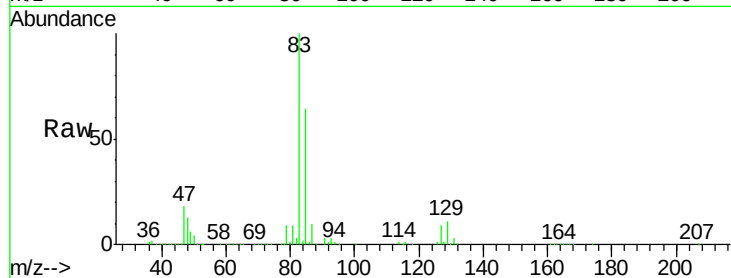
#47
Bromodichloromethane
Concen: 158.06 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1754456
Ion Ratio Lower Upper
83 100
85 63.8 50.5 75.7
127 8.9 6.8 10.2

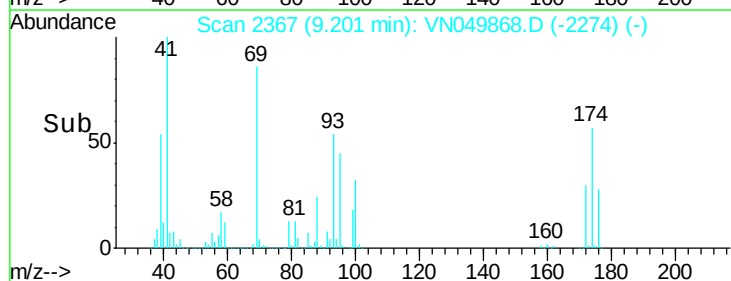
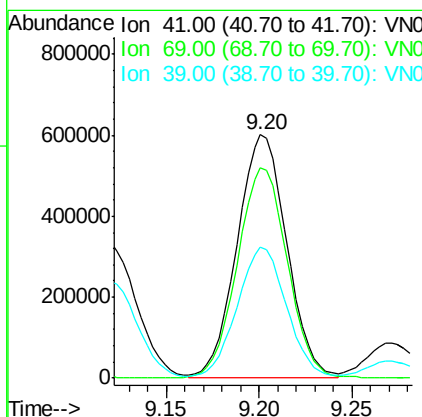
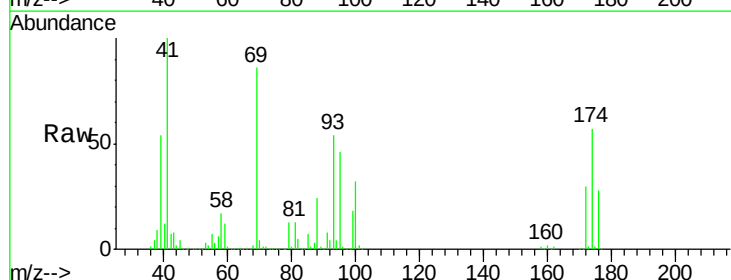
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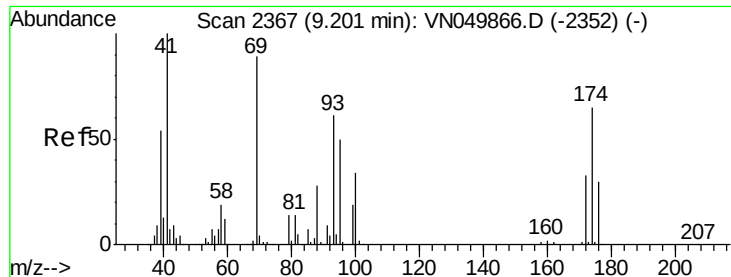
MMDadoda
7/19/2018 4:28:56 PM



#48
Methyl methacrylate
Concen: 167.55 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion: 41 Resp: 1117480
Ion Ratio Lower Upper
41 100
69 87.4 71.5 107.3
39 53.6 44.7 67.1





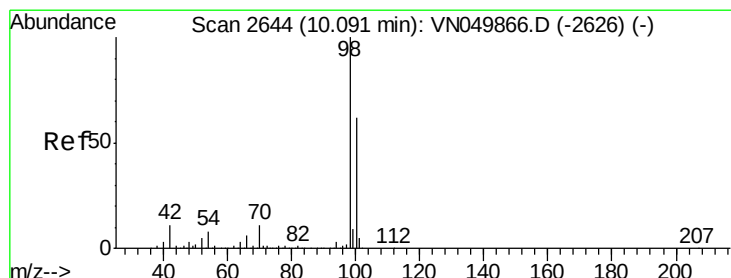
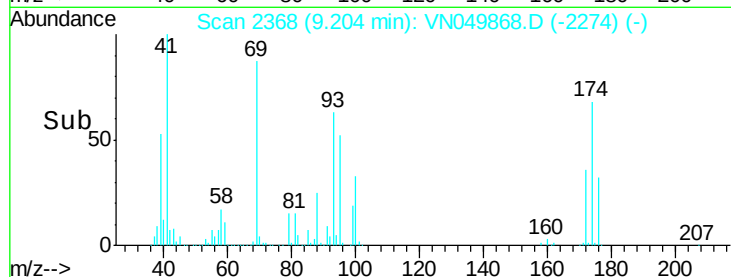
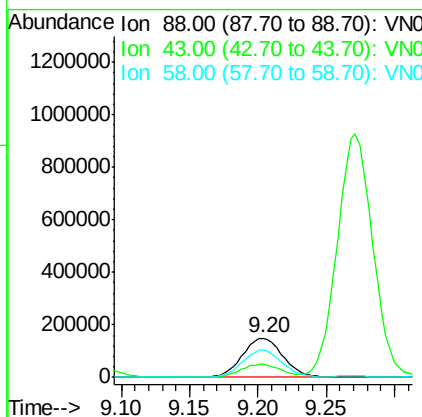
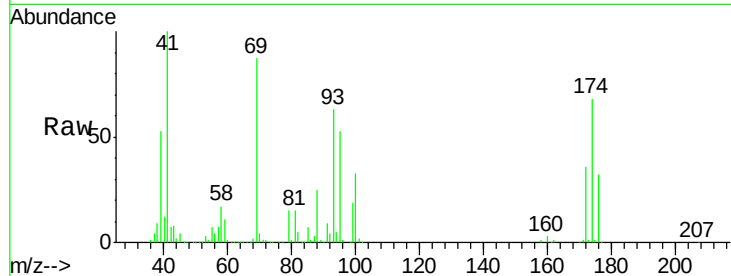
#49
1,4-Dioxane
Concen: 3045.59 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	25.1	37.7
58	68.5	52.5	78.7

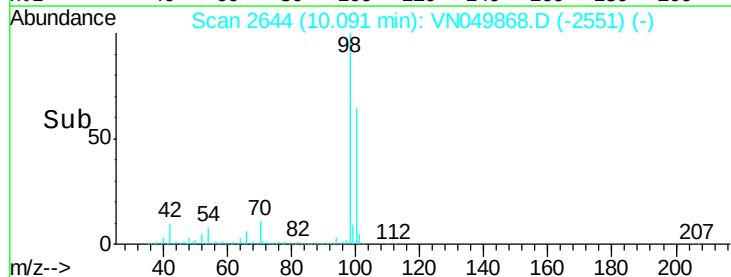
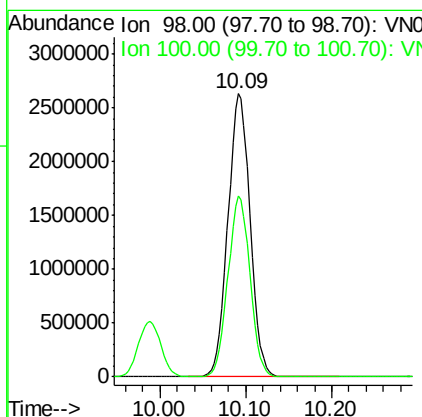
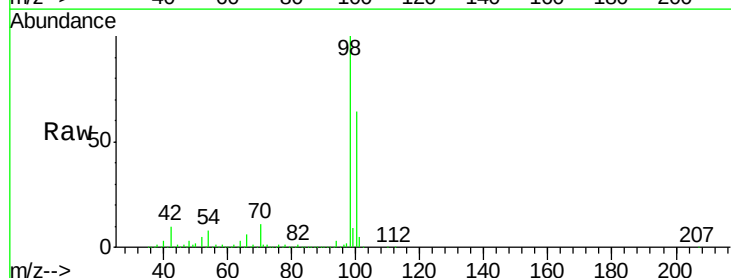
Manual Integrations
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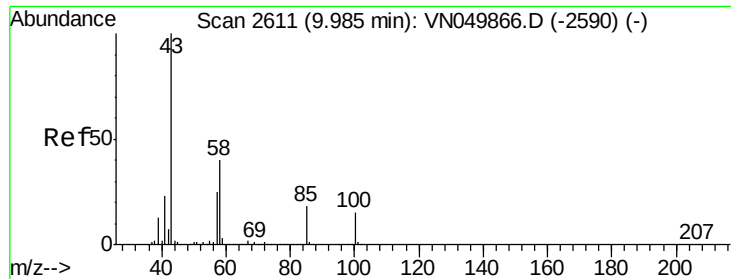
MMDadoda
7/19/2018 4:28:56 PM



#50
Toluene-d8
Concen: 161.06 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 782.87 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6193789

Ion Ratio Lower Upper

43 100

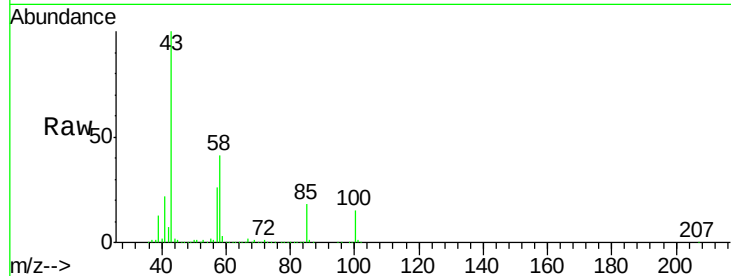
58 40.4 31.8 47.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049866.D (-2590) (-)

9.99

3000000

2000000

1000000

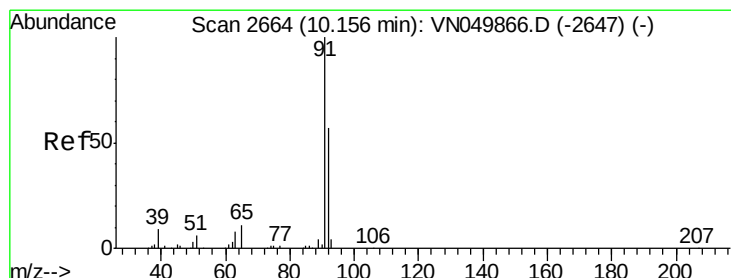
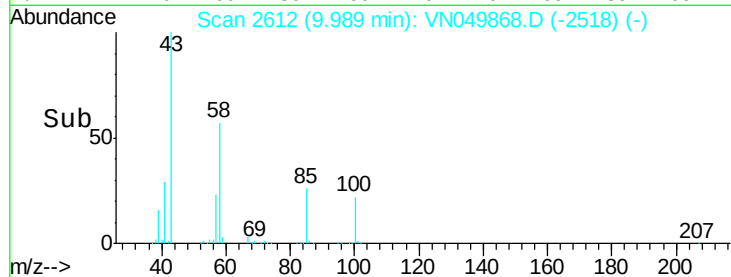
0

Time-->

9.90

10.00

10.10



#52

Toluene

Concen: 165.29 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN049868.D

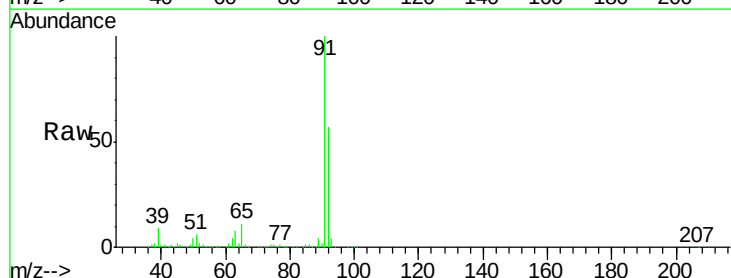
Acq: 18 Jul 2018 12:26

Tgt Ion: 92 Resp: 3182844

Ion Ratio Lower Upper

92 100

91 175.4 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN049866.D (-2647) (-)

Ion 91.00 (90.70 to 91.70): VN049866.D (-2647) (-)

10.16

3000000

2000000

1000000

0

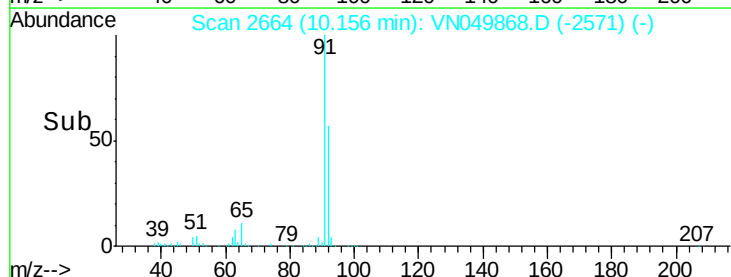
Time-->

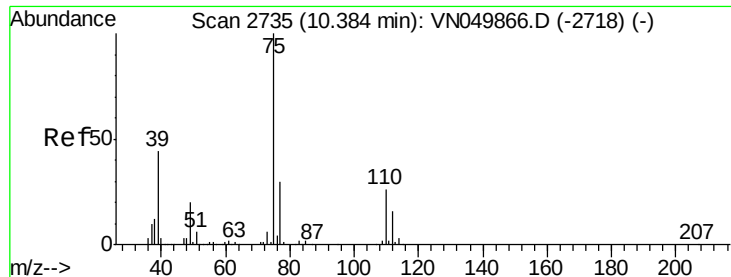
10.00

10.10

10.20

10.30





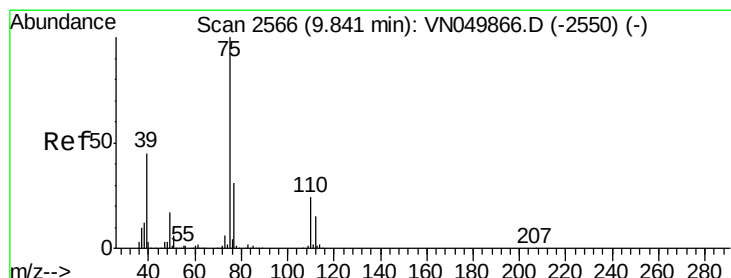
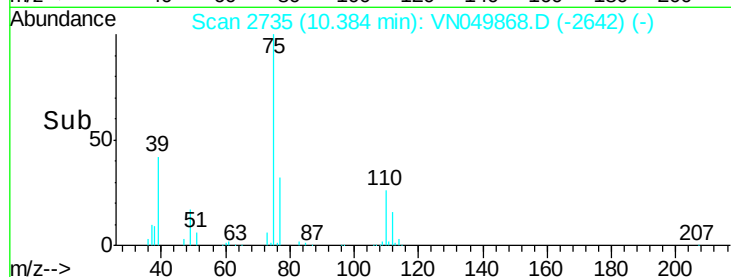
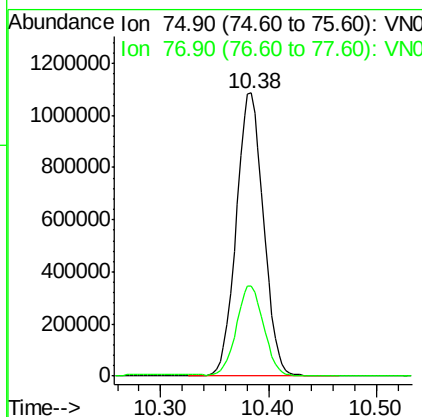
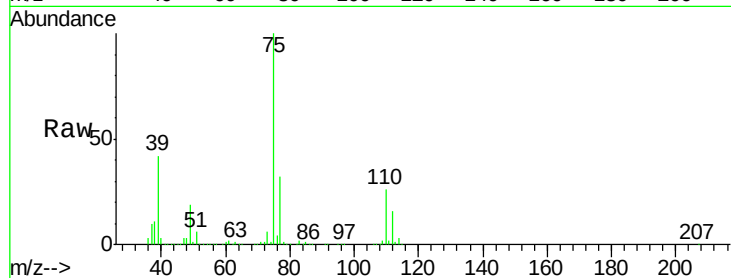
#53
t-1,3-Dichloropropene
Concen: 176.82 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1916160
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

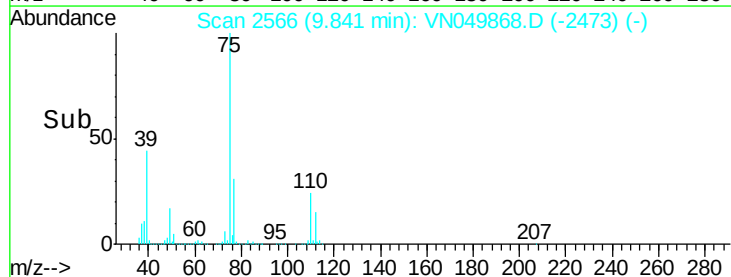
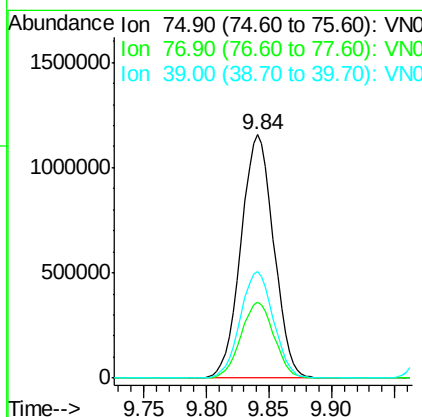
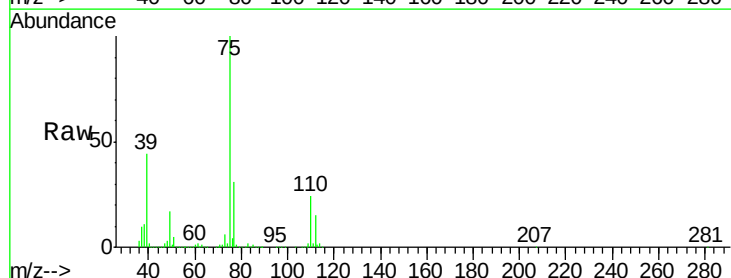
Manual Integrations
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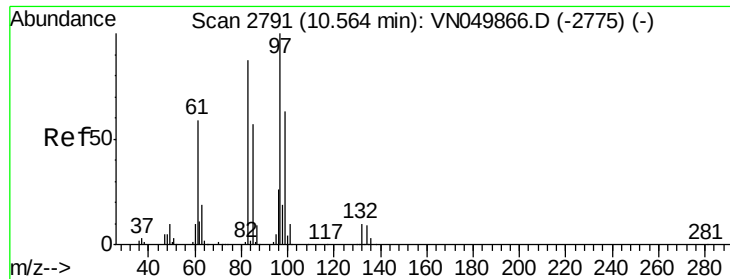
MMDadoda
7/19/2018 4:28:56 PM



#54
cis-1,3-Dichloropropene
Concen: 172.88 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion: 75 Resp: 2102657
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9
39 43.7 35.5 53.3





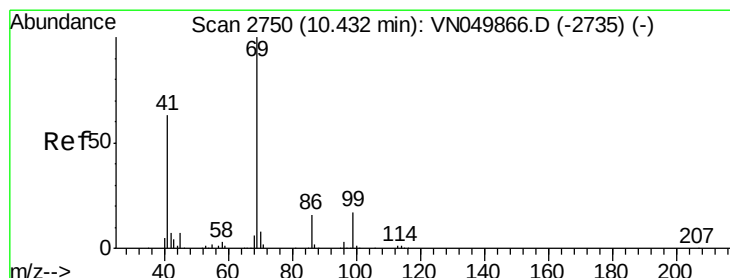
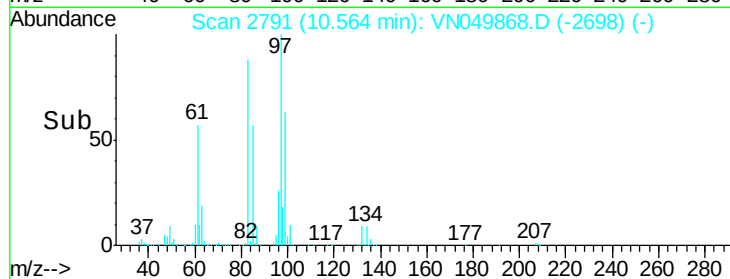
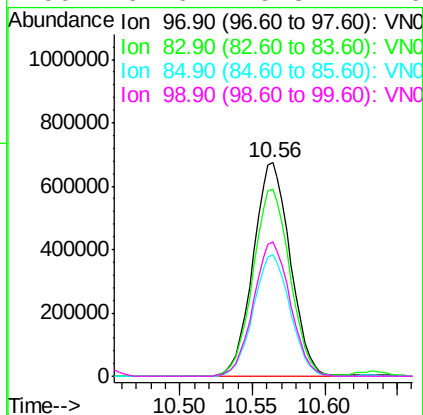
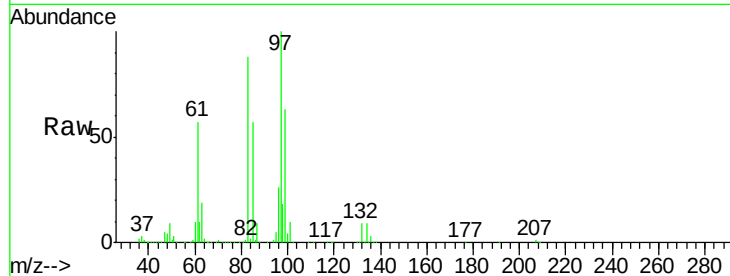
#55
 1,1,2-Trichloroethane
 Concen: 152.17 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.7	69.0	103.6	
85	56.8	44.9	67.3	
99	62.6	49.8	74.6	

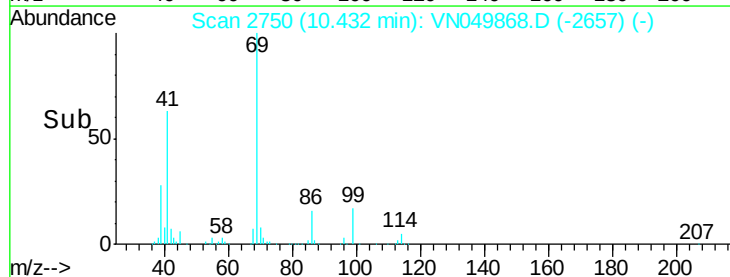
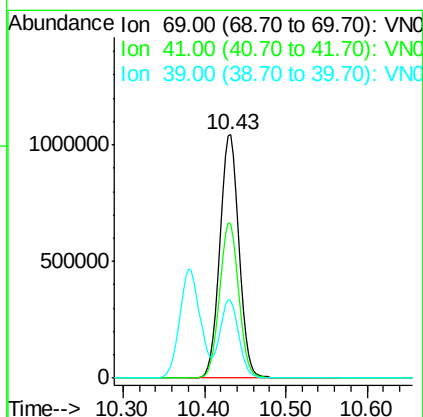
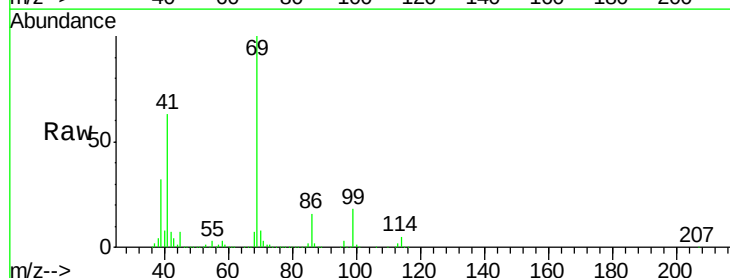
Manual Integrations
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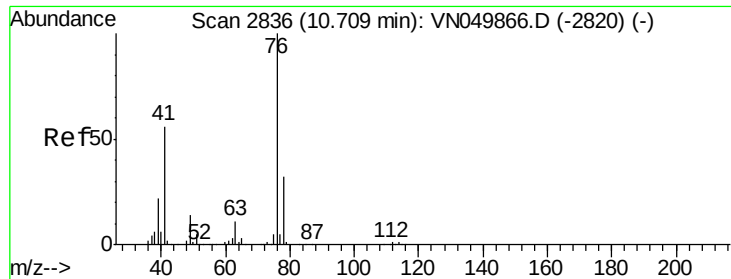
MMDadoda
 7/19/2018 4:28:56 PM



#56
 Ethyl methacrylate
 Concen: 182.43 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	63.2	51.6	77.4	
39	32.2	25.8	38.8	





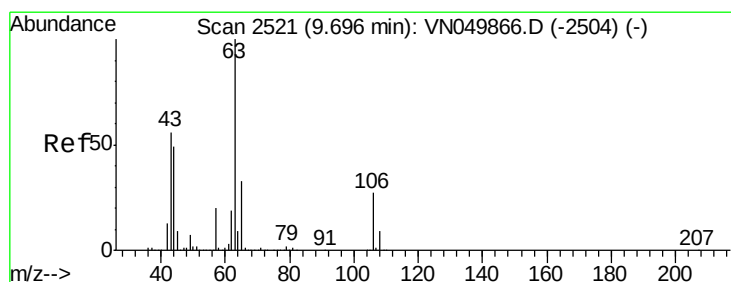
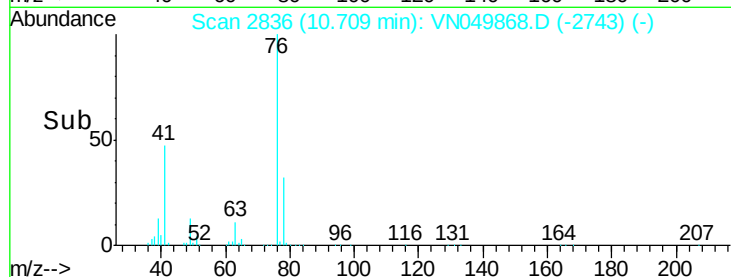
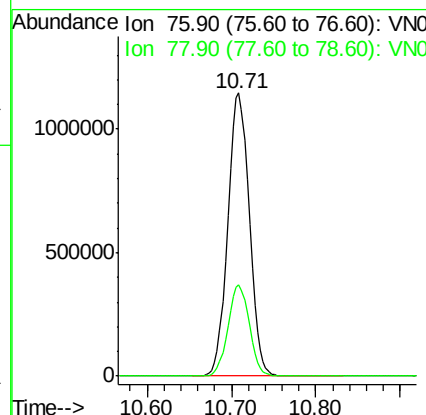
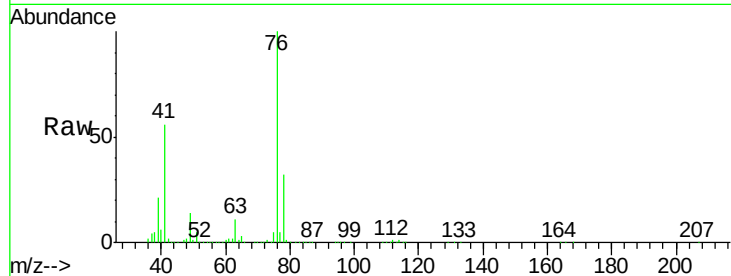
#57
 1,3-Dichloropropane
 Concen: 158.55 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 2029452
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

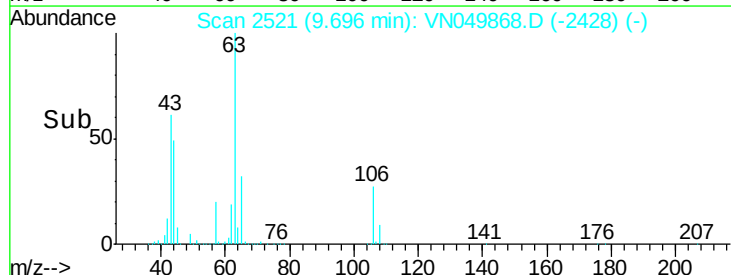
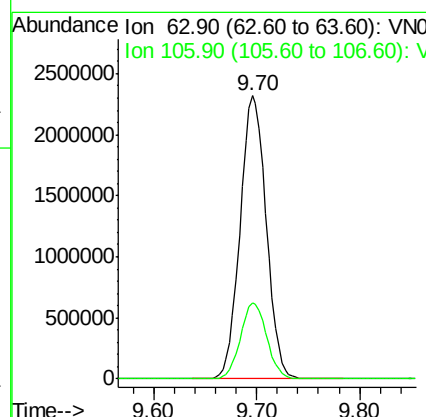
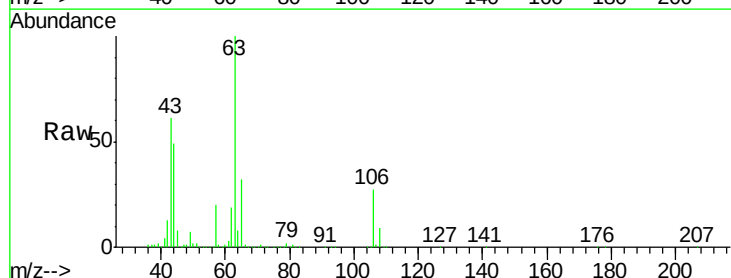
Manual Integrations
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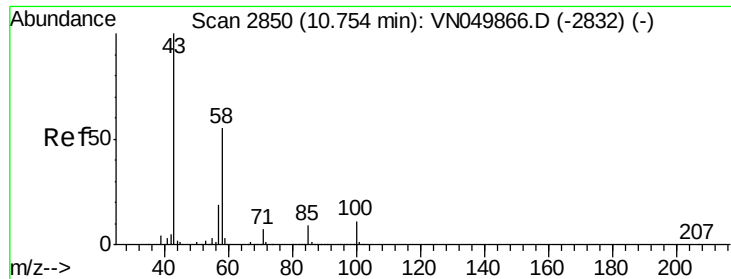
MMDadoda
 7/19/2018 4:28:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 905.57 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Tgt Ion: 63 Resp: 4091009
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.8 32.8





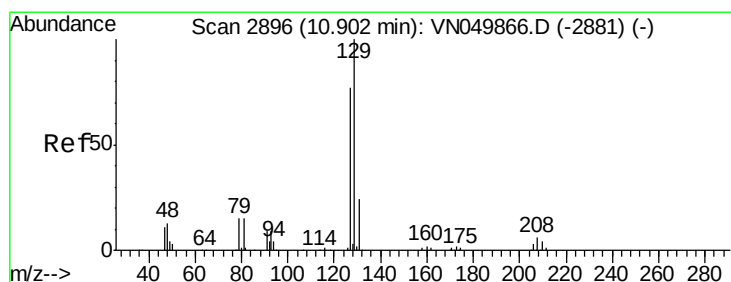
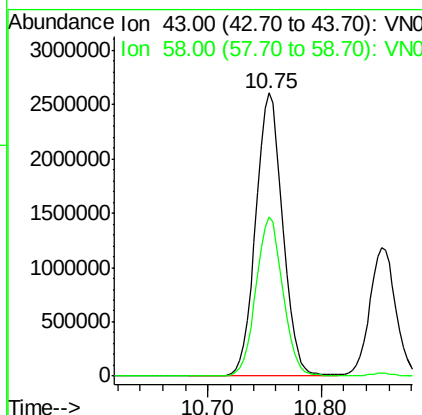
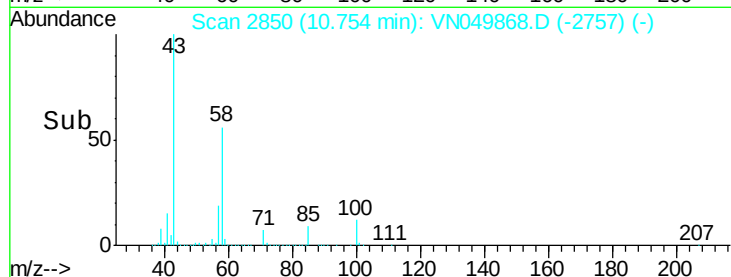
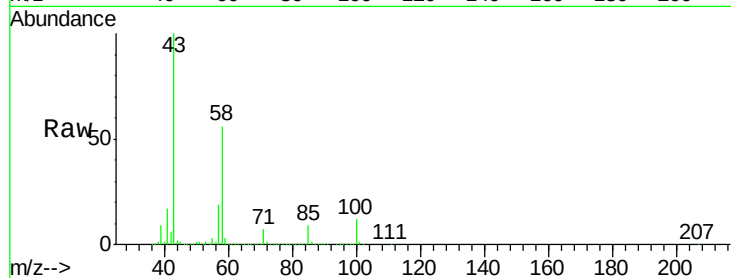
#59
2-Hexanone
Concen: 795.93 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4317441
Ion Ratio Lower Upper
43 100
58 56.0 27.8 83.4

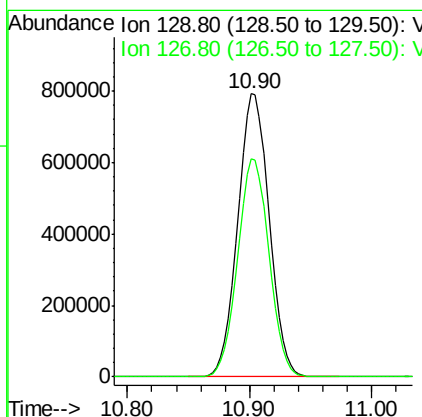
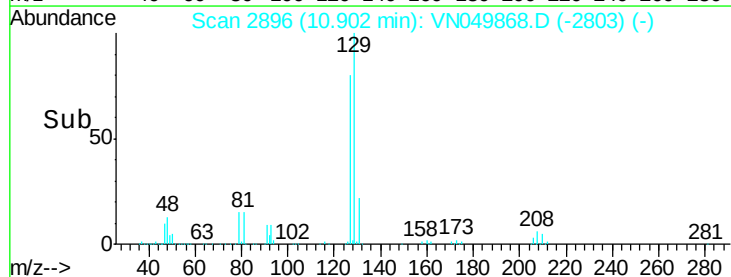
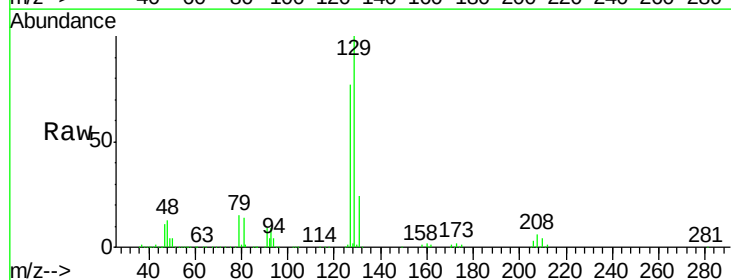
Manual Integrations
APPROVED

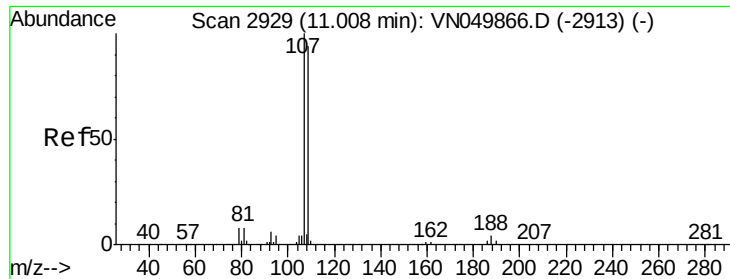
MMDadoda
7/19/2018 4:28:56 PM



#60
Dibromochloromethane
Concen: 160.22 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion: 129 Resp: 1409753
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.9





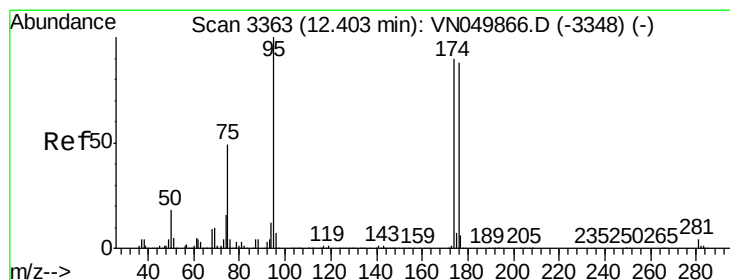
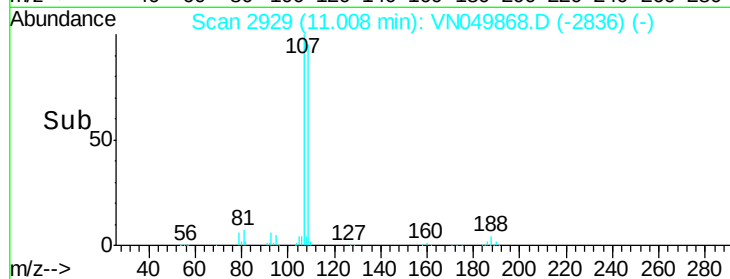
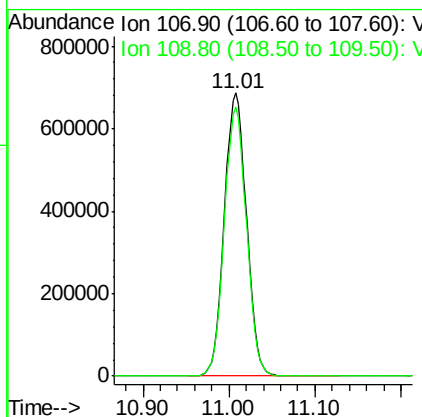
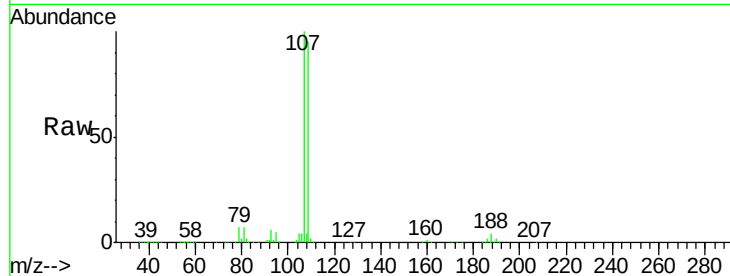
#61
 1,2-Dibromoethane
 Concen: 159.27 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:107 Resp: 1233504
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.0 112.6

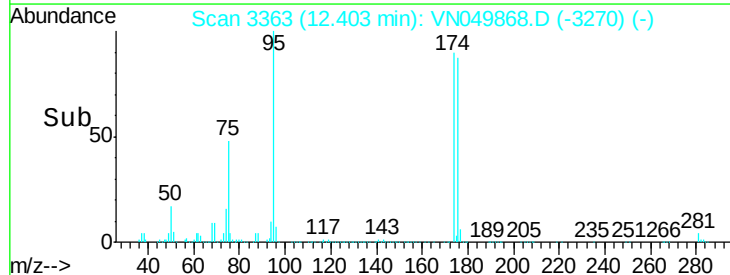
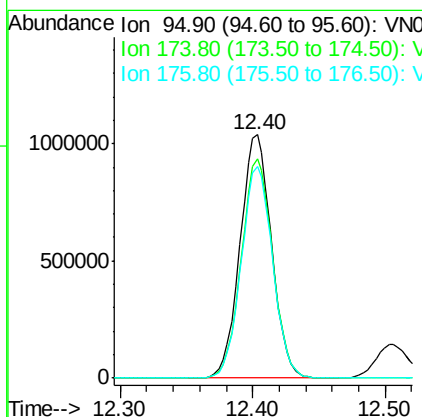
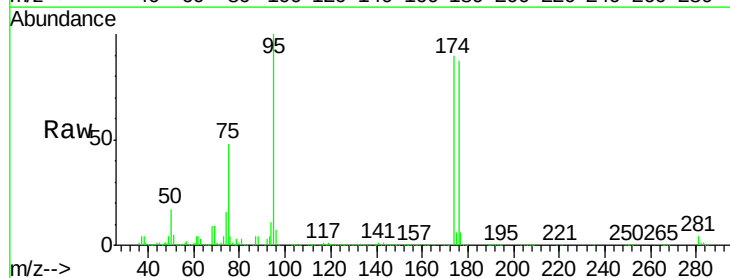
Manual Integrations
 APPROVED

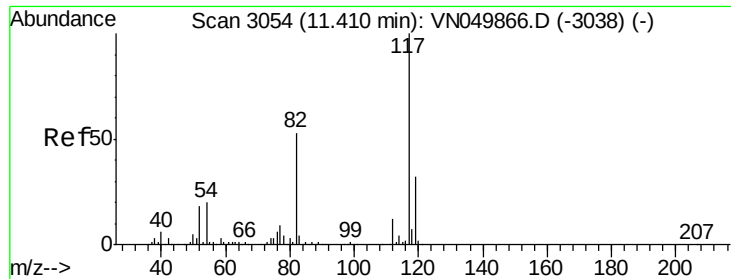
MMDadoda
 7/19/2018 4:28:56 PM



#62
 4-Bromofluorobenzene
 Concen: 174.23 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Tgt Ion: 95 Resp: 1702301
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 179.6
 176 87.1 0.0 174.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

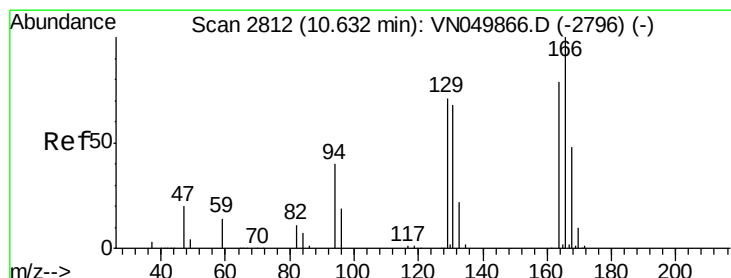
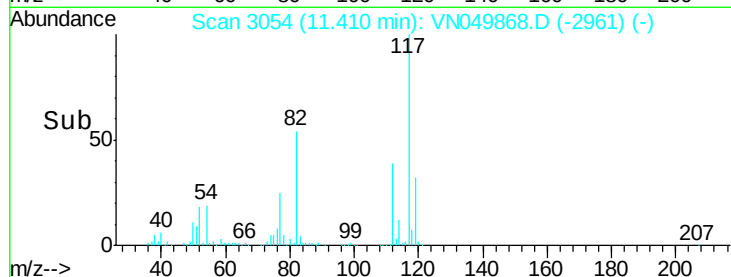
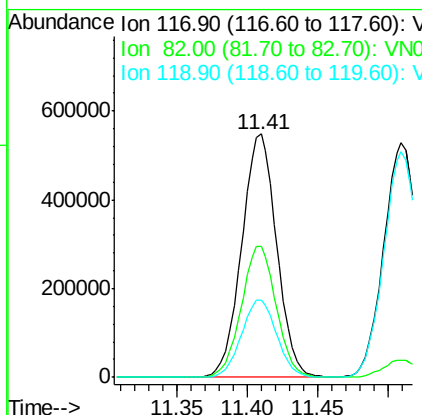
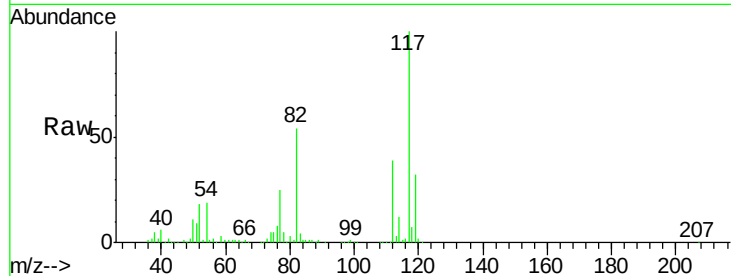
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	41.9	62.9
119	31.8	25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 148.65 ug/l

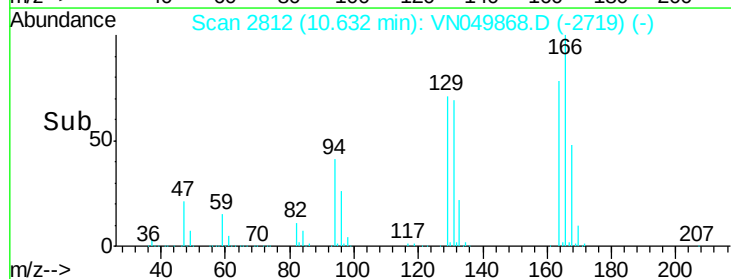
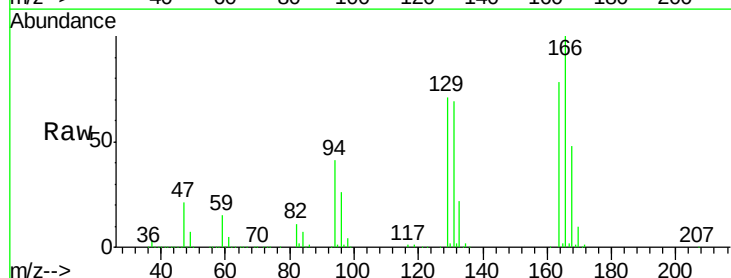
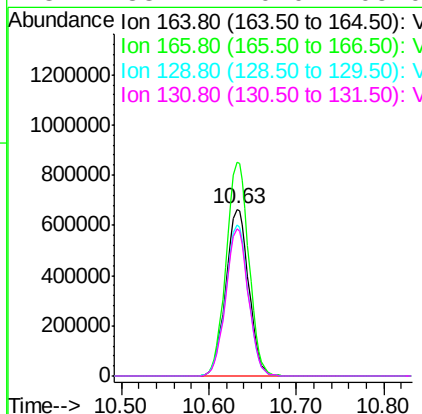
RT: 10.63 min Scan# 2812

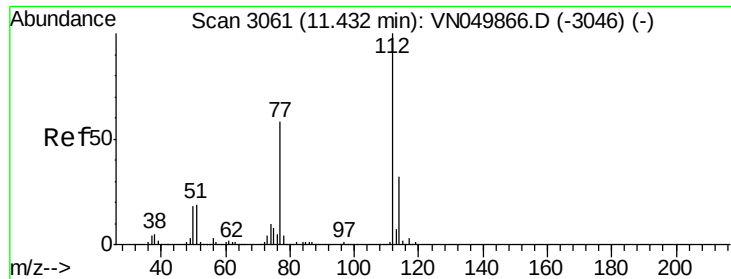
Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.8	152.6
129	90.7	72.8	109.2
131	88.1	70.0	105.0





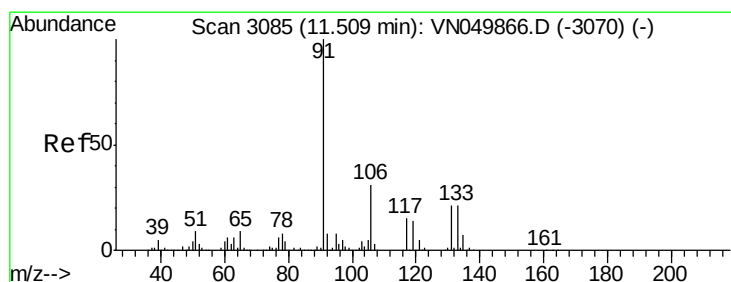
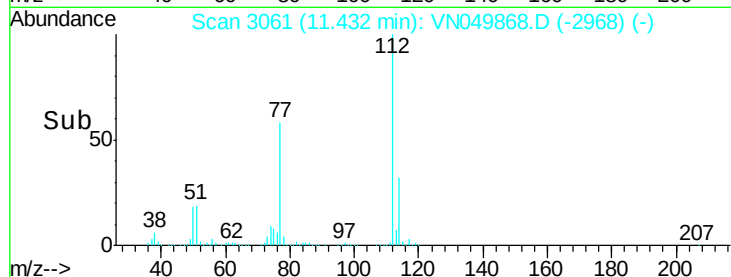
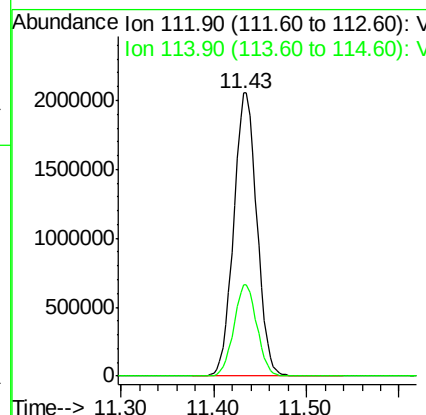
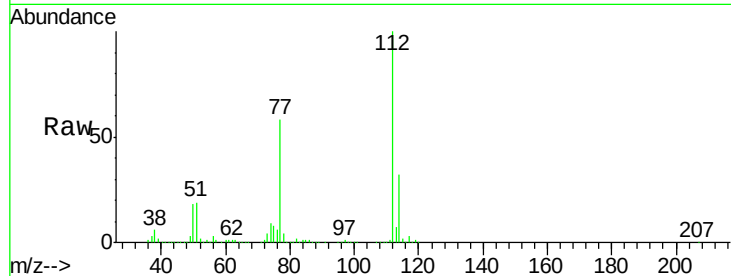
#65
Chlorobenzene
Concen: 157.89 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 3560833
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0

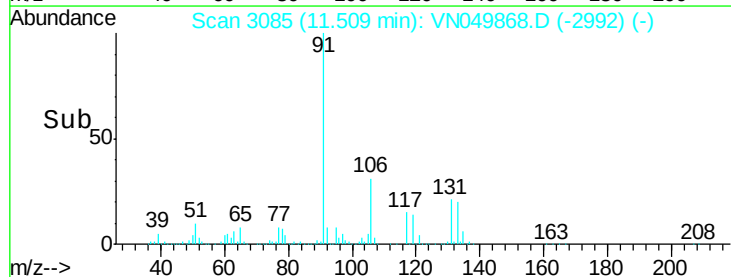
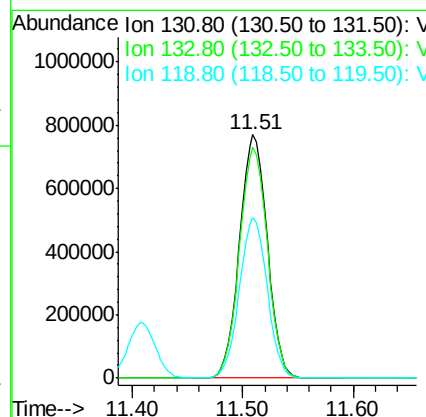
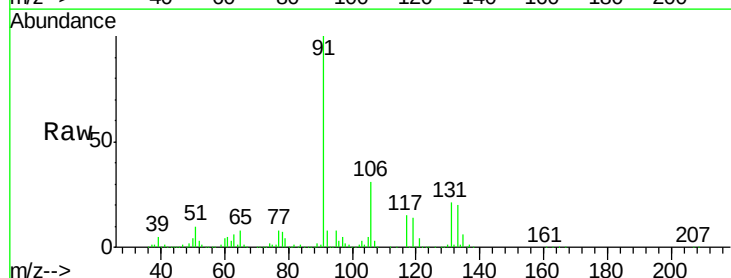
Manual Integrations
APPROVED

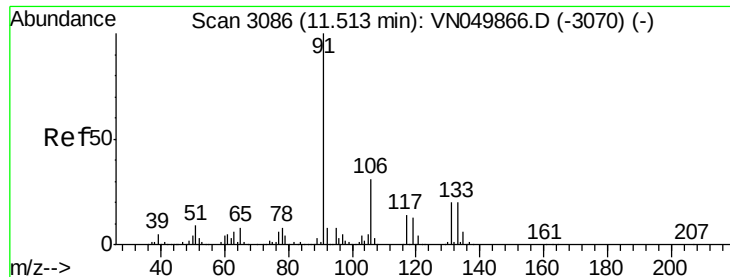
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#66
1,1,1,2-Tetrachloroethane
Concen: 155.06 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion:131 Resp: 1342511
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.6
119 66.0 33.1 99.3





#67

Ethyl Benzene

Concen: 172.94 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 6269591

Ion Ratio Lower Upper

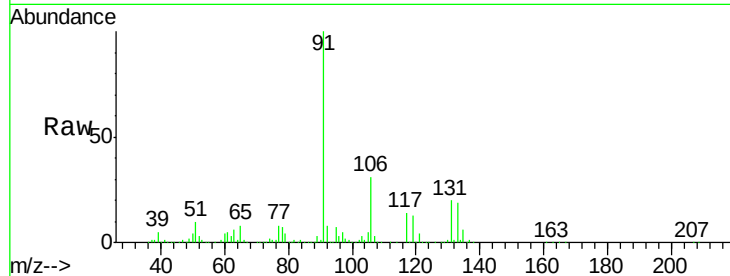
91 100

106 31.4 24.8 37.2

Manual Integrations
APPROVED

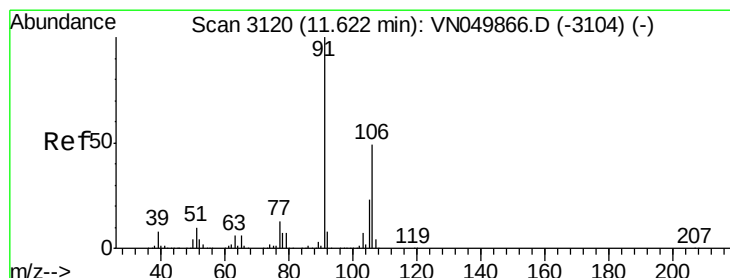
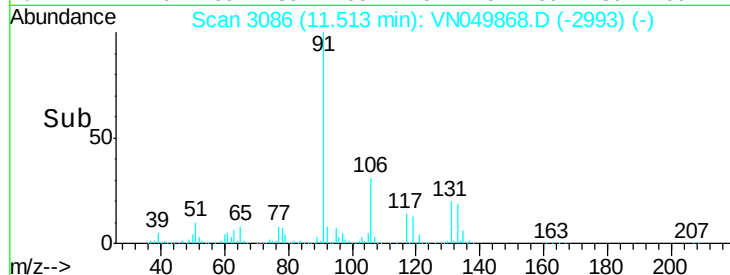
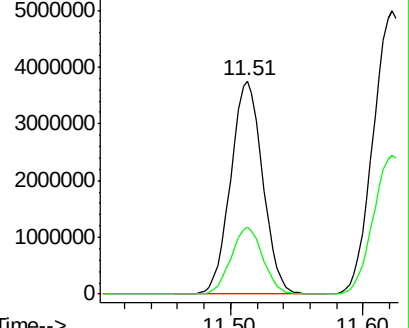
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3070) (-)

Ion 106.00 (105.70 to 106.70): VN049866.D (-3070) (-)



#68

m/p-Xylenes

Concen: 347.36 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049868.D

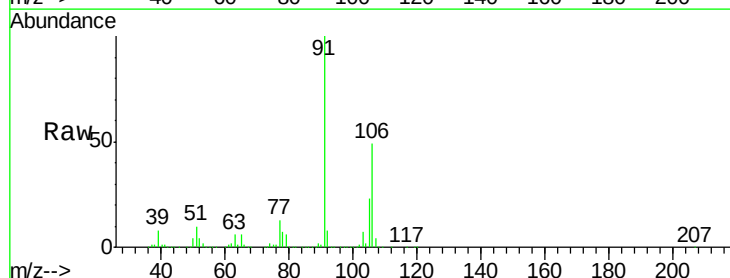
Acq: 18 Jul 2018 12:26

Tgt Ion: 106 Resp: 4777649

Ion Ratio Lower Upper

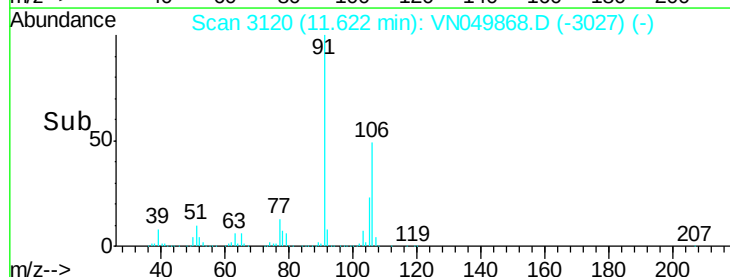
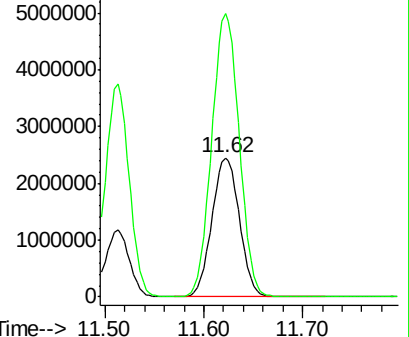
106 100

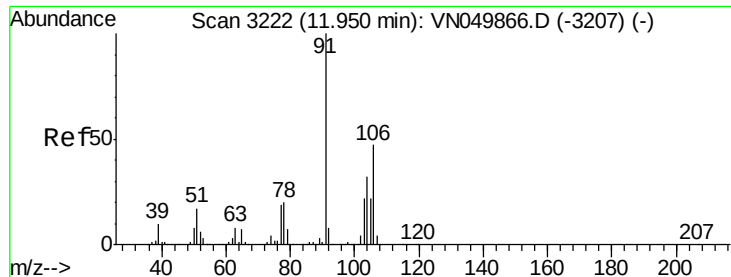
91 203.2 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN049866.D (-3104) (-)

Ion 91.00 (90.70 to 91.70): VN049866.D (-3104) (-)





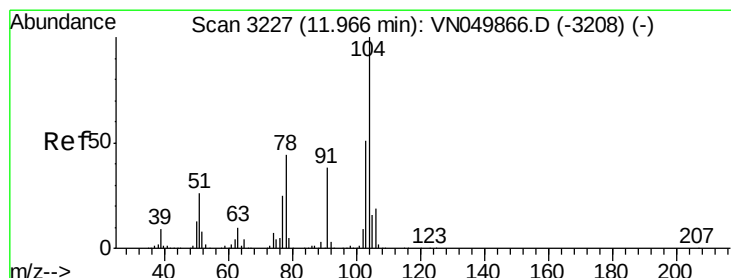
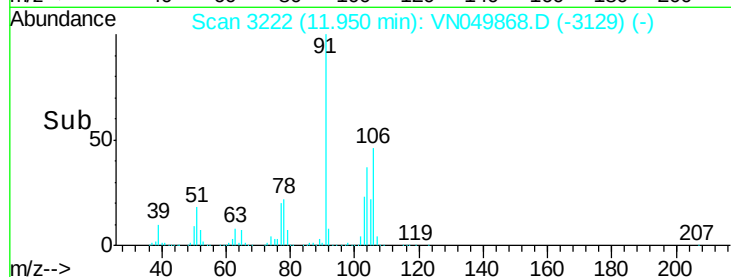
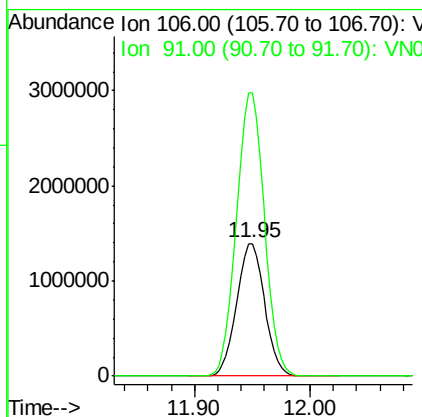
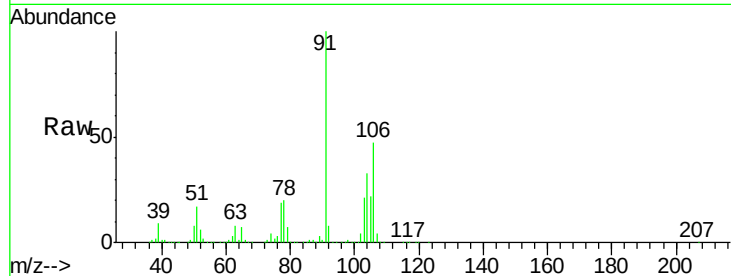
#69
o-Xylene
Concen: 176.88 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2319936
Ion Ratio Lower Upper
106 100
91 213.9 108.7 326.1

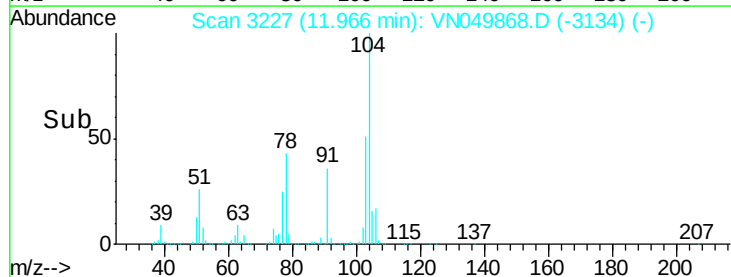
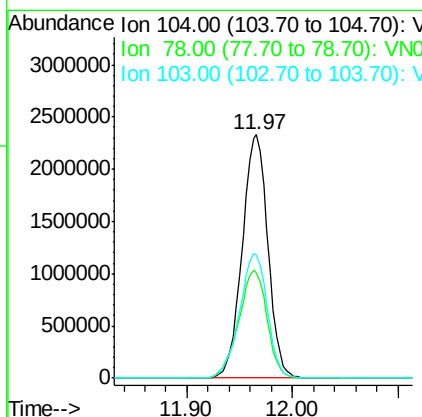
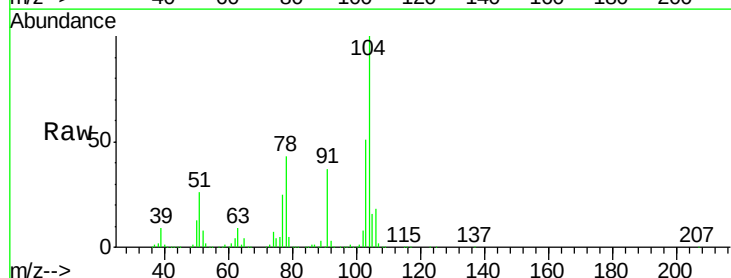
Manual Integrations
APPROVED

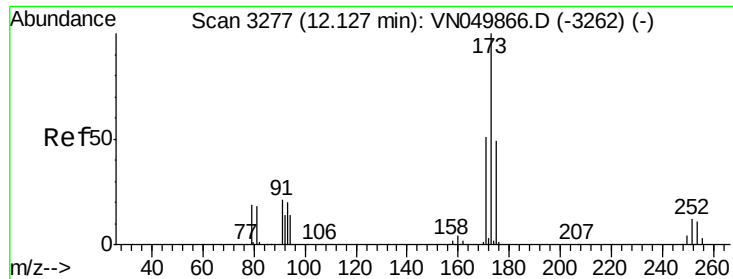
MMDadoda
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#70
Styrene
Concen: 184.69 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion:104 Resp: 3926667
Ion Ratio Lower Upper
104 100
78 48.8 39.2 58.8
103 55.5 44.6 67.0





#71

Bromoform

Concen: 158.72 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 1058467

Ion Ratio Lower Upper

173 100

175 48.8 24.6 73.8

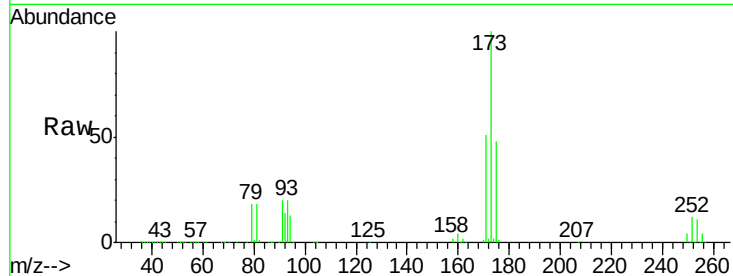
254 0.2 0.2 0.2#

Manual Integrations

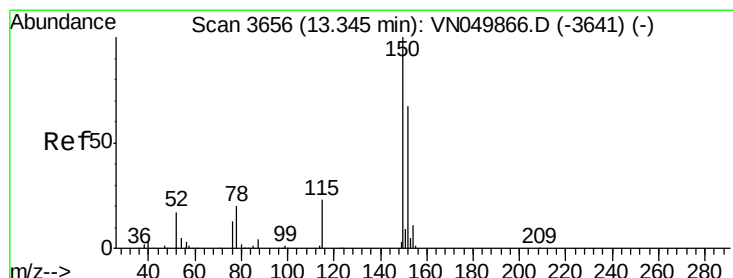
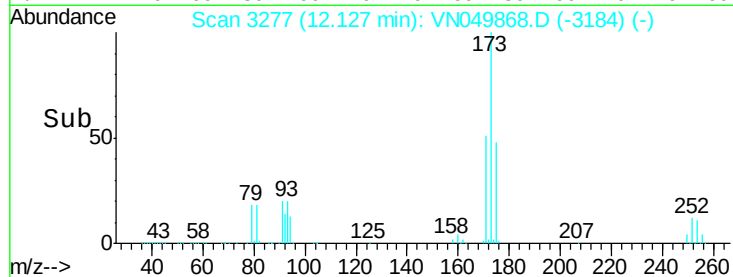
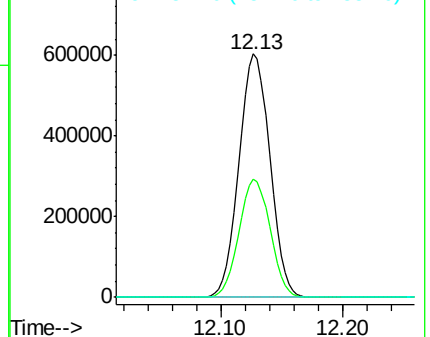
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

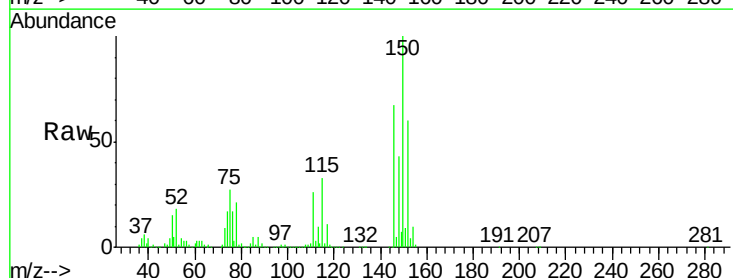
Tgt Ion:152 Resp: 535897

Ion Ratio Lower Upper

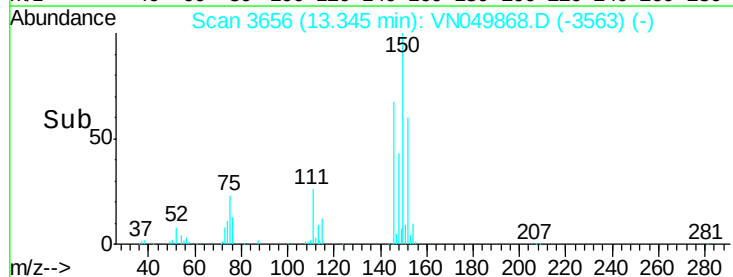
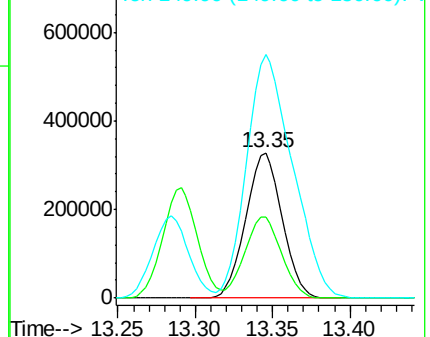
152 100

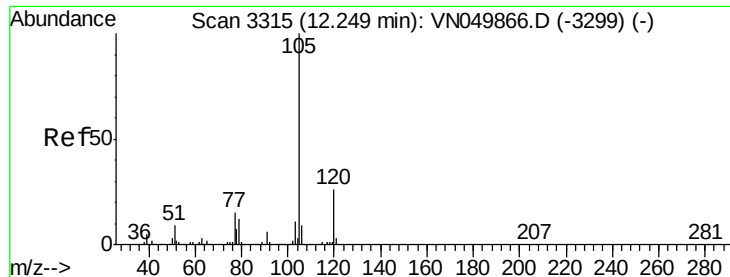
115 56.7 28.1 84.2

150 211.6 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 159.64 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6194889

Ion Ratio Lower Upper

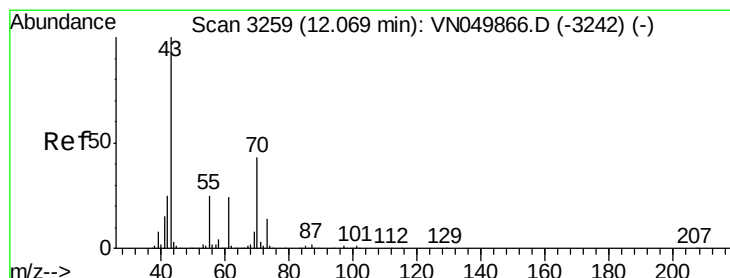
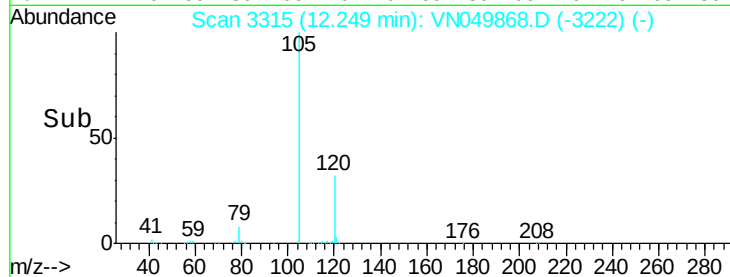
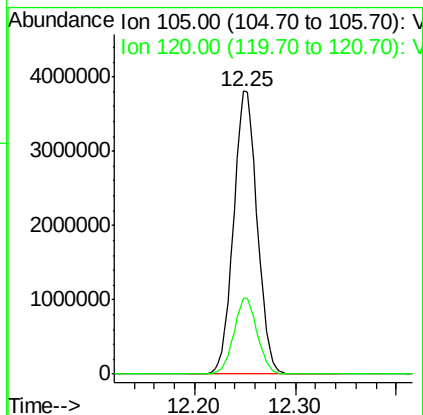
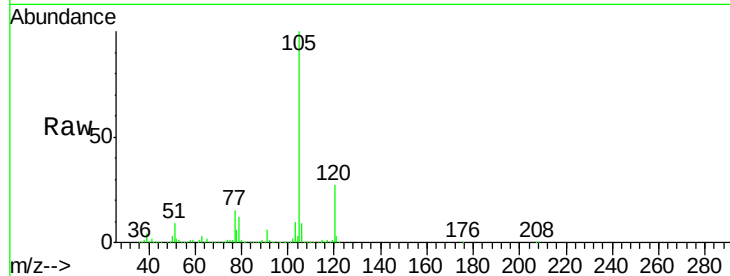
105 100

120 26.6 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 156.55 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Tgt Ion: 43 Resp: 2007290

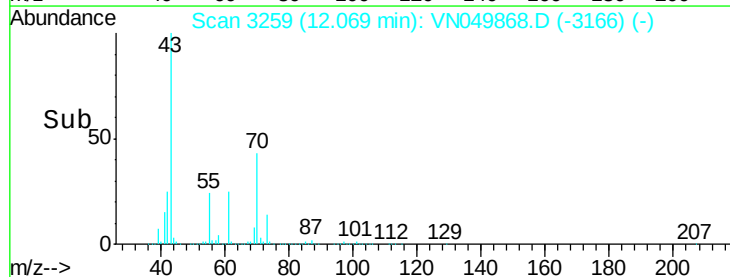
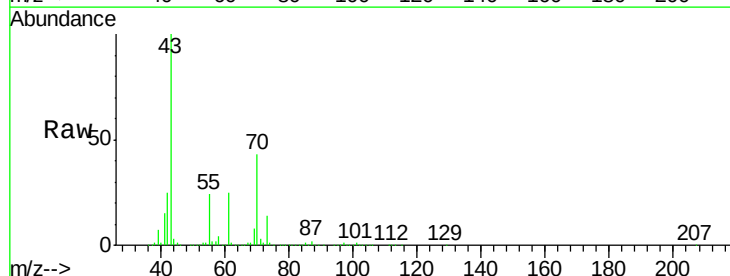
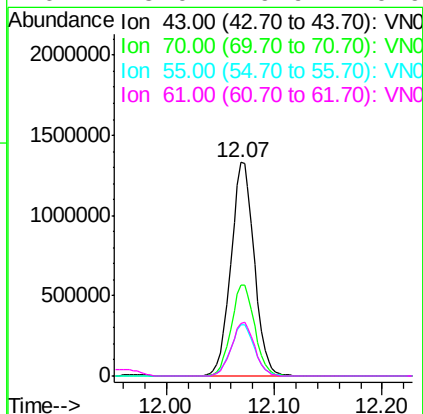
Ion Ratio Lower Upper

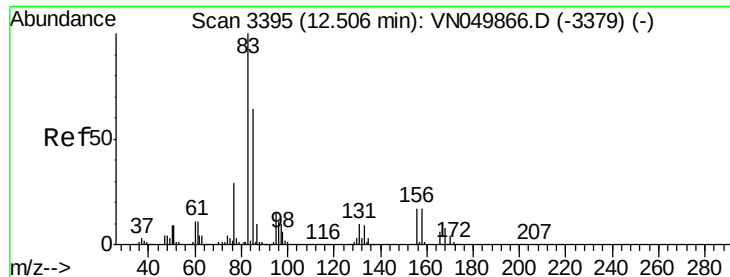
43 100

70 43.2 34.8 52.2

55 24.7 20.9 31.3

61 25.0 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 130.67 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1626292

Ion Ratio Lower Upper

83 100

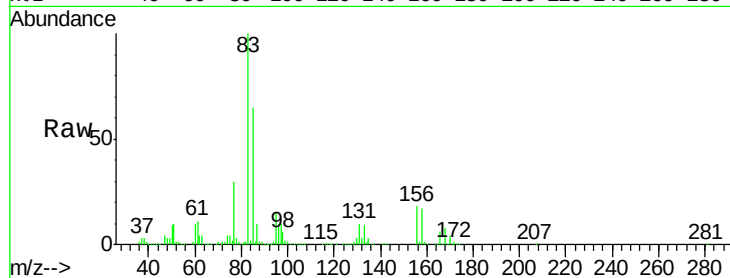
131 10.3 5.2 15.6

85 64.7 32.5 97.4

Manual Integrations
APPROVED

MMDadoda

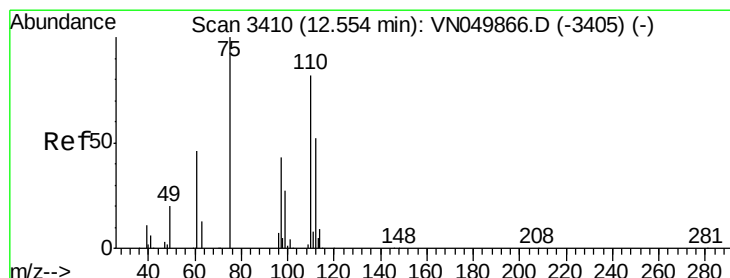
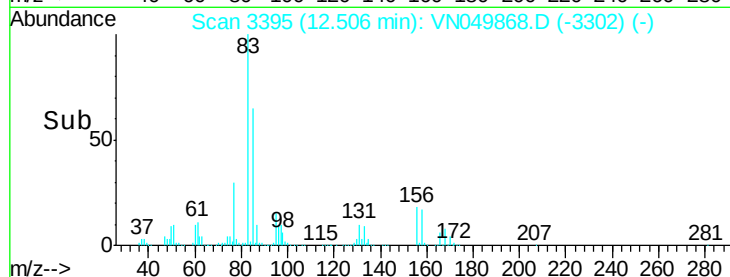
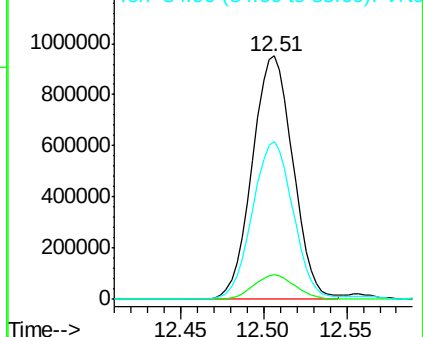
7/19/2018 4:28:56 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049866.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN049866.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN049866.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 134.38 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049868.D

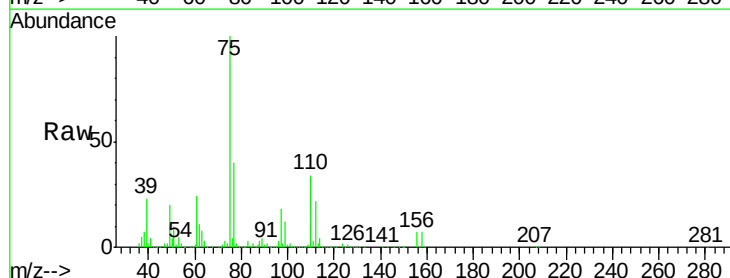
Acq: 18 Jul 2018 12:26

Tgt Ion: 75 Resp: 1409006

Ion Ratio Lower Upper

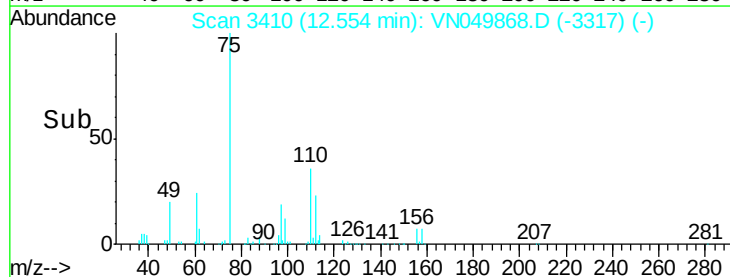
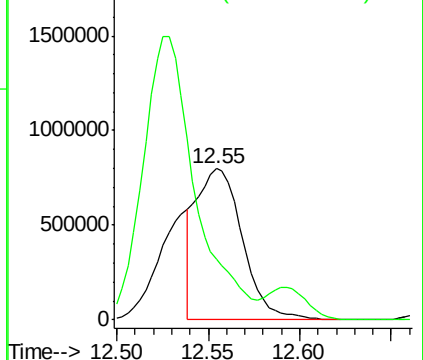
75 100

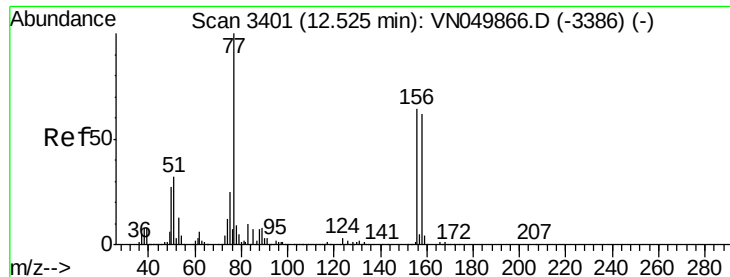
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049866.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049866.D (-3405) (-)





#77

Bromobenzene

Concen: 152.25 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1619582

Ion Ratio Lower Upper

156 100

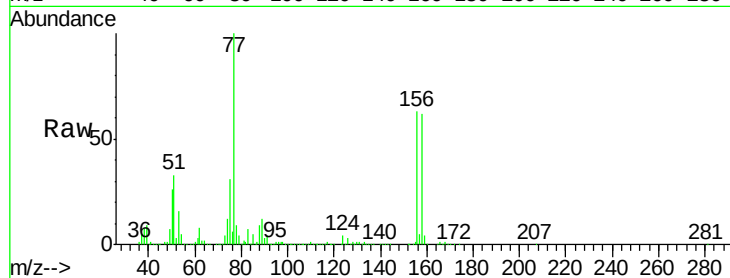
77 184.5 90.2 270.6

158 97.4 49.1 147.3

Manual Integrations
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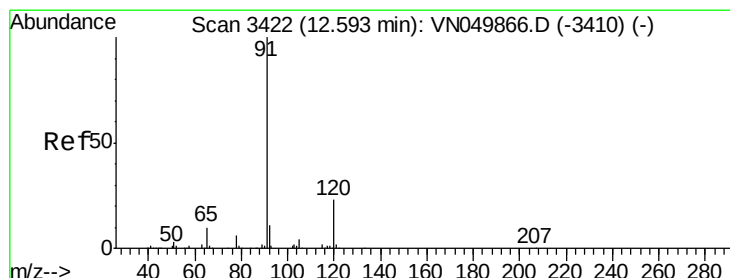
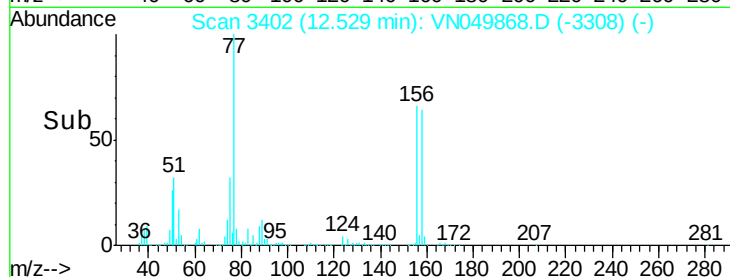
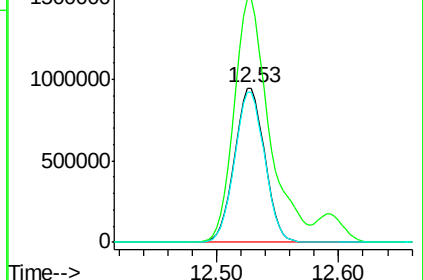
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 164.19 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049868.D

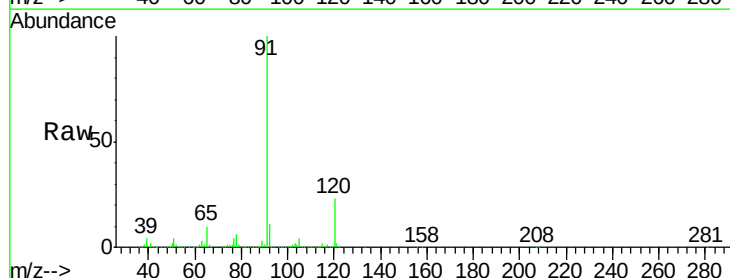
Acq: 18 Jul 2018 12:26

Tgt Ion: 91 Resp: 7169811

Ion Ratio Lower Upper

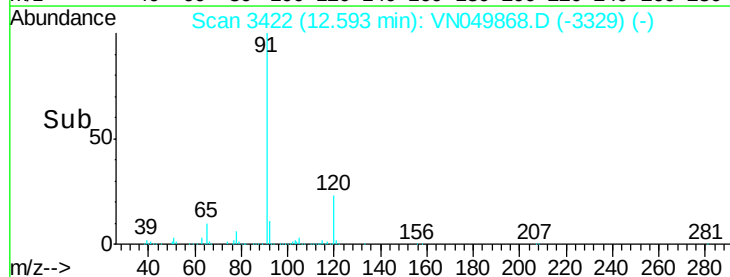
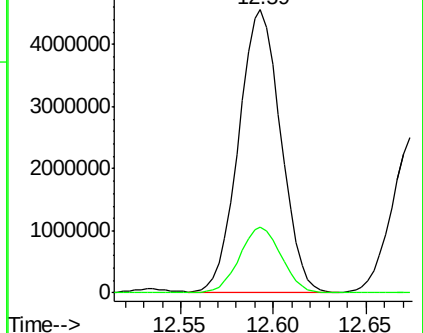
91 100

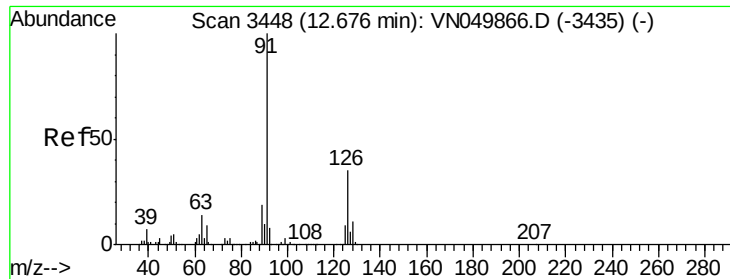
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 156.53 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 4220074

Ion Ratio Lower Upper

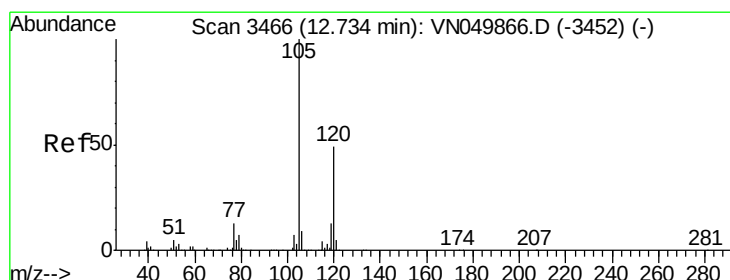
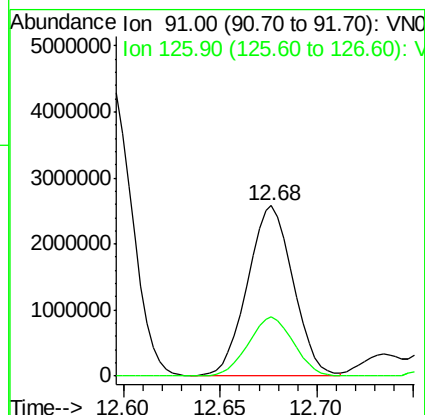
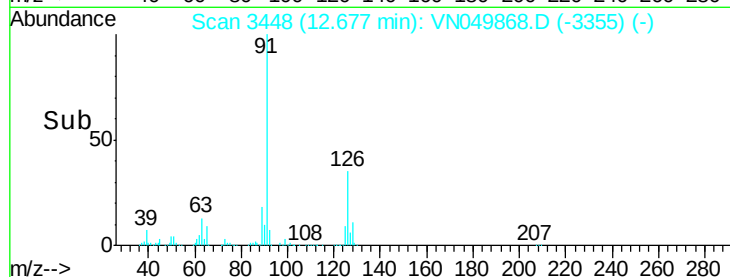
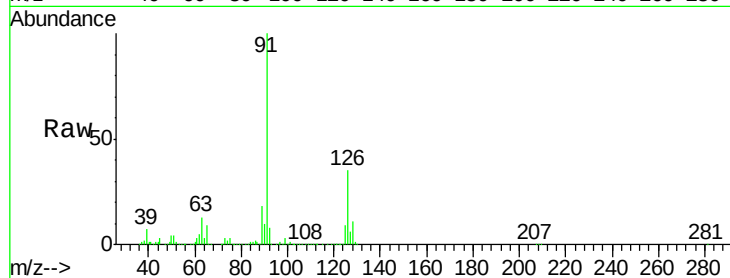
91 100

126 34.7 17.5 52.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 167.90 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049868.D

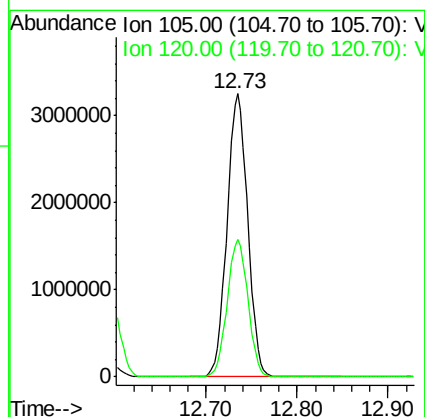
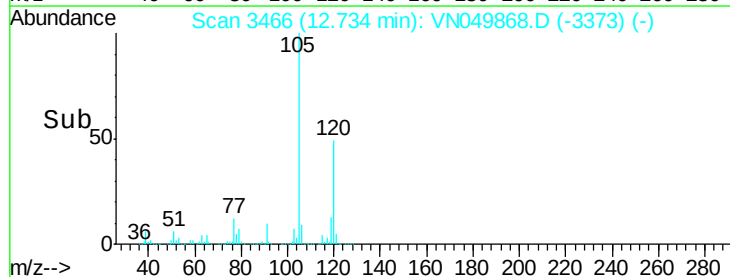
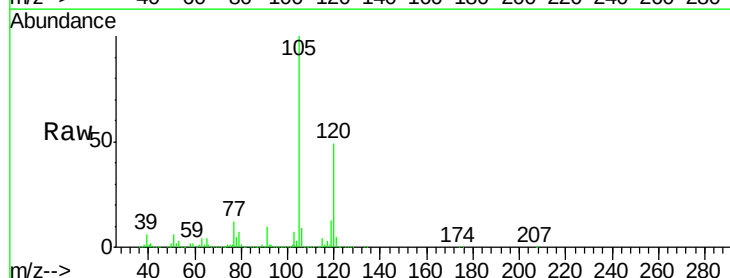
Acq: 18 Jul 2018 12:26

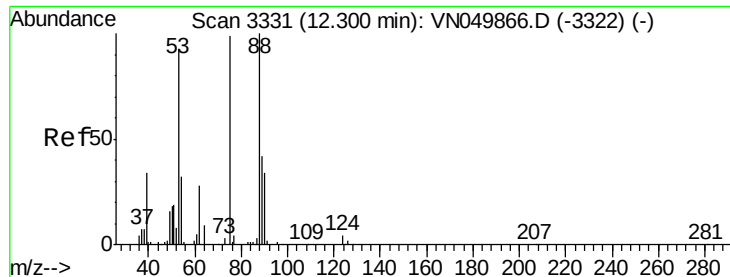
Tgt Ion: 105 Resp: 5105702

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8





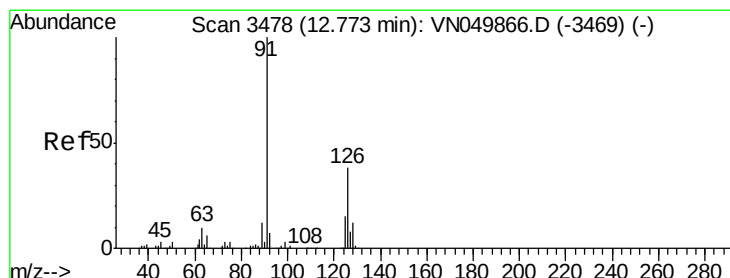
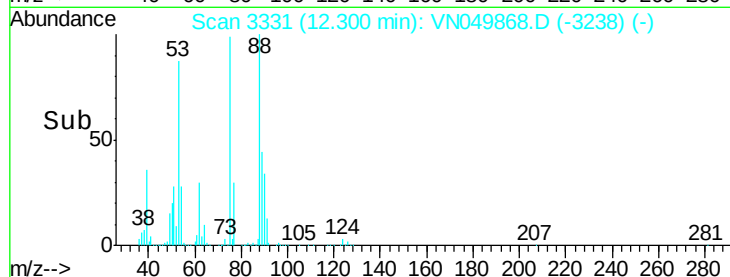
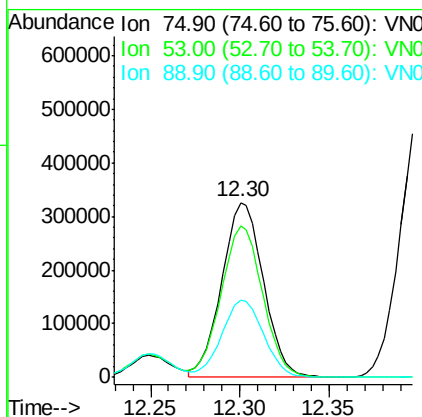
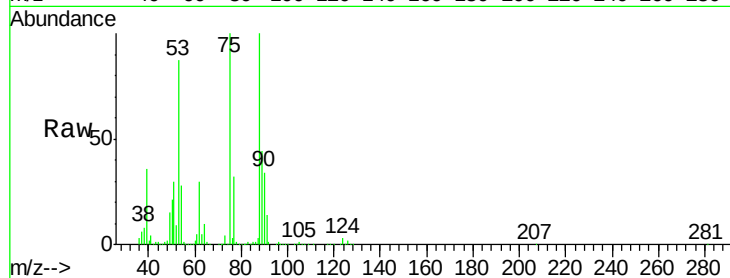
#81
trans-1,4-Dichloro-2-butene
Concen: 163.33 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.6	73.9	110.9
89	45.1	35.9	53.9

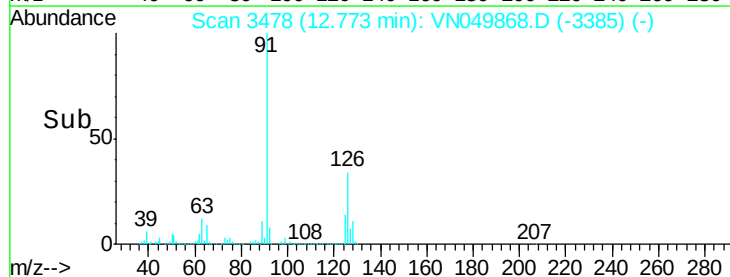
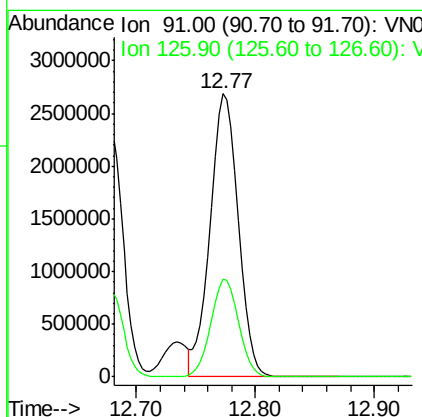
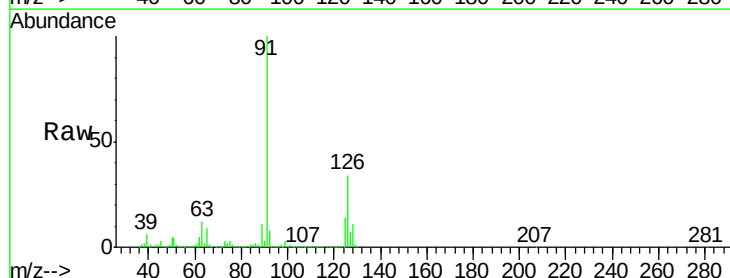
Manual Integrations
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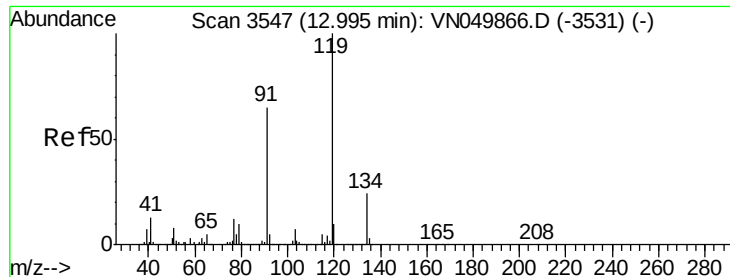
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#82
4-Chlorotoluene
Concen: 165.16 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.2	51.6





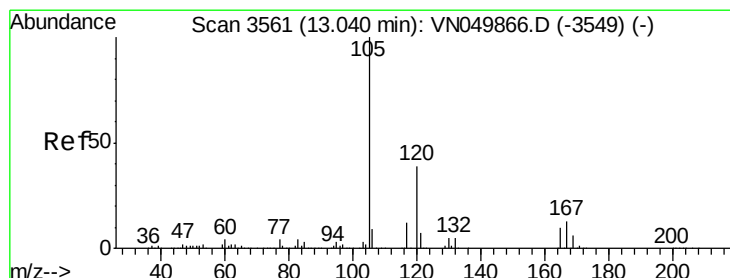
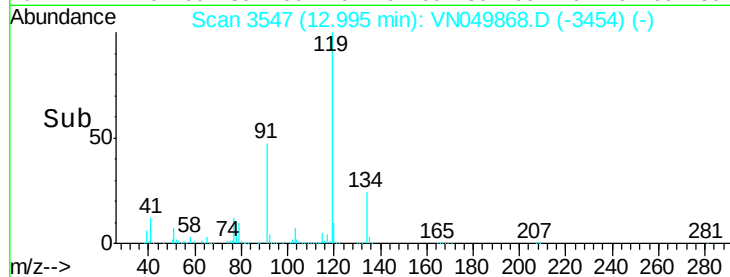
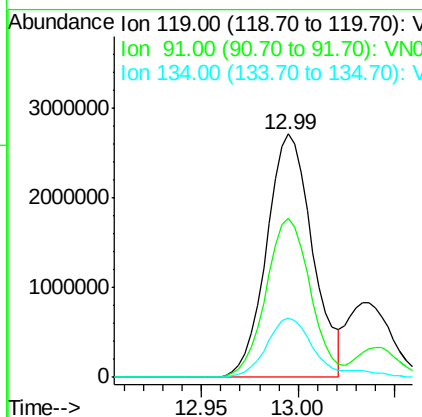
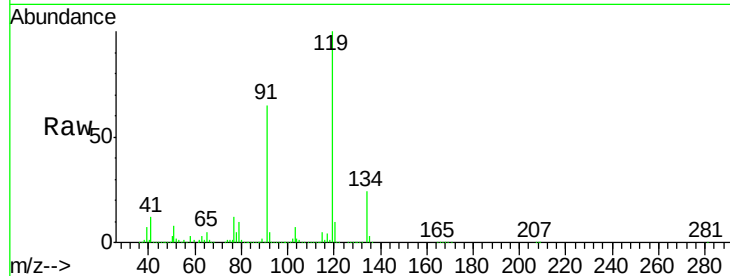
#83
 tert-Butylbenzene
 Concen: 167.30 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 4459204
 Ion Ratio Lower Upper
 119 100
 91 63.5 32.0 96.2
 134 26.1 12.8 38.4

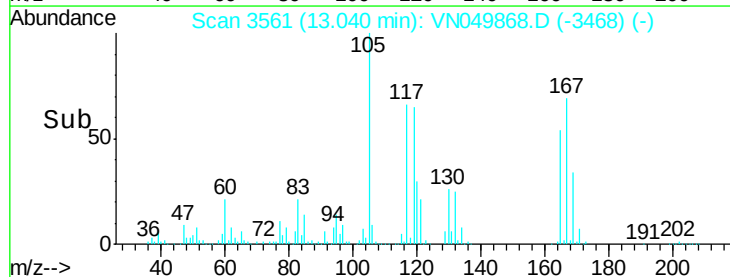
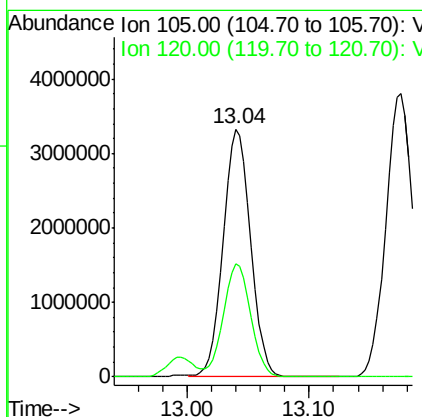
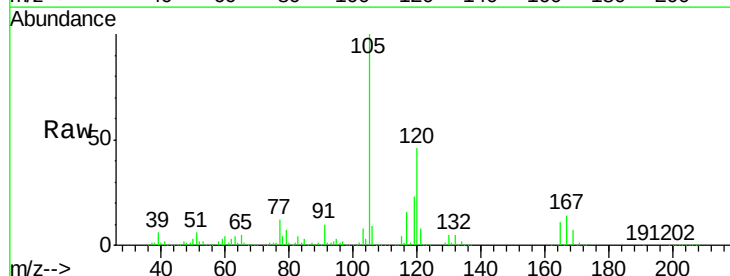
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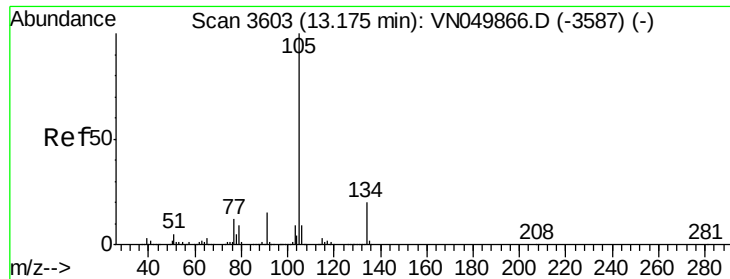
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#84
 1,2,4-Trimethylbenzene
 Concen: 169.35 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Tgt Ion:105 Resp: 5251372
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.7 68.1





#85

sec-Butylbenzene

Concen: 166.67 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 5976274

Ion Ratio Lower Upper

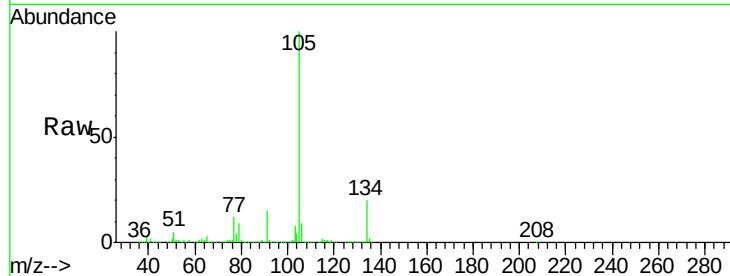
105 100

134 20.3 10.1 30.1

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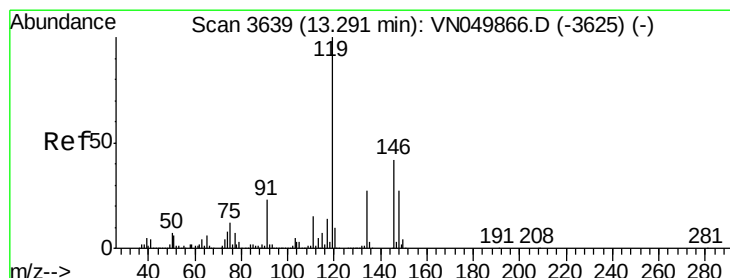
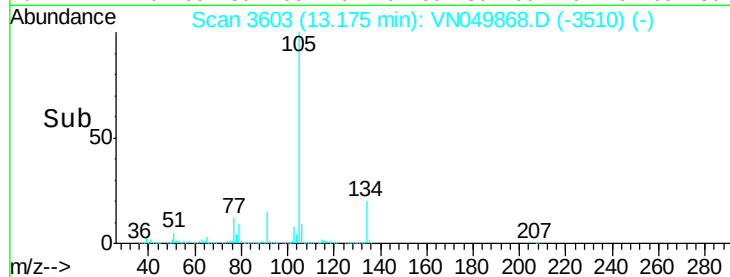
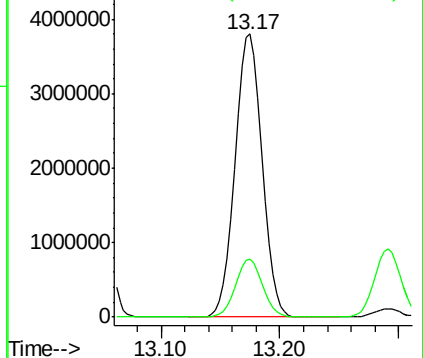
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 174.59 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

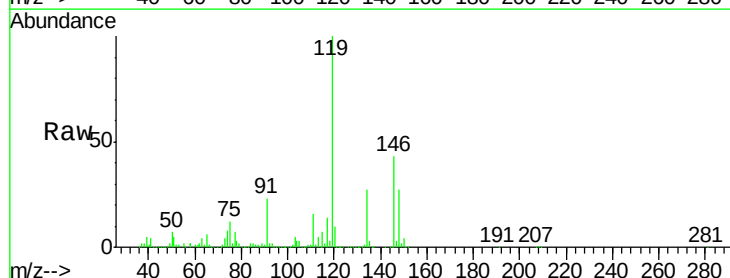
Tgt Ion:119 Resp: 5293065

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

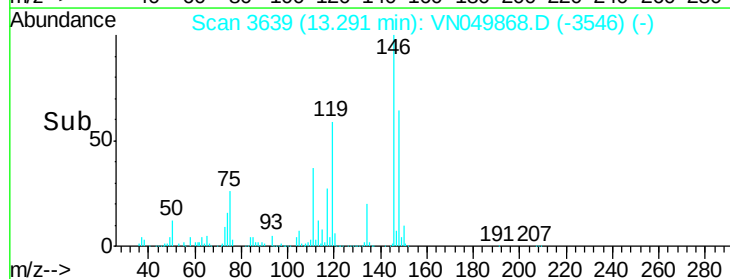
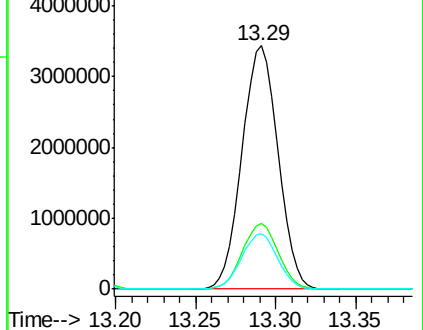
91 22.7 11.4 34.1

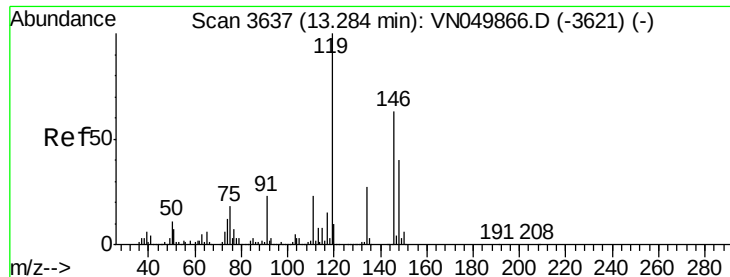


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





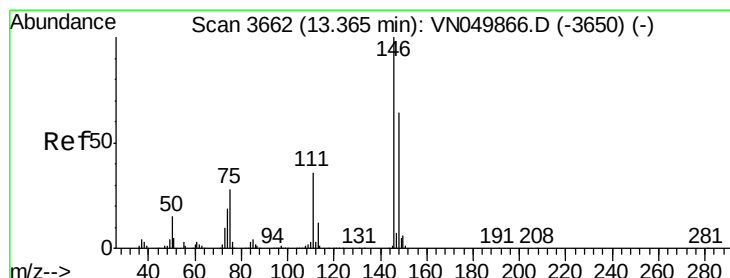
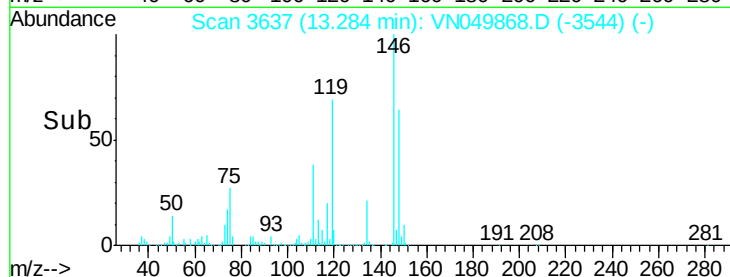
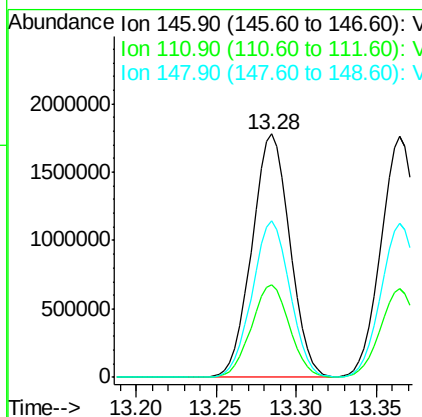
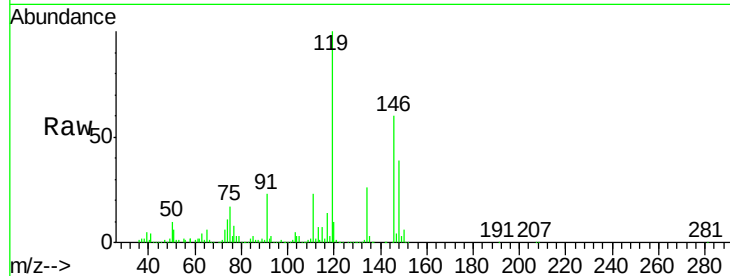
#87
 1,3-Dichlorobenzene
 Concen: 159.43 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 2915005
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.0 57.0
 148 63.9 32.5 97.5

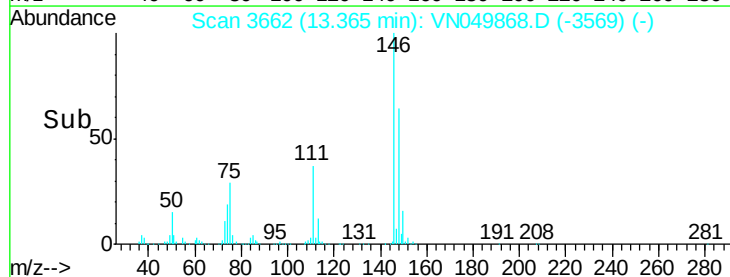
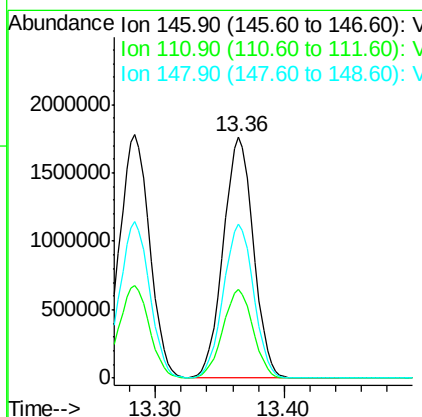
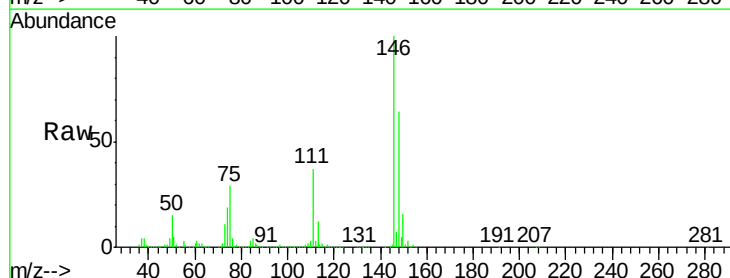
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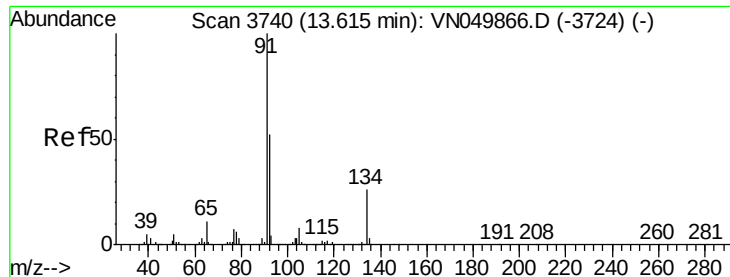
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#88
 1,4-Dichlorobenzene
 Concen: 158.89 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Tgt Ion:146 Resp: 2853517
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.9 56.5
 148 64.3 32.1 96.3





#89

n-Butylbenzene

Concen: 185.02 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN049868.D

Acq: 18 Jul 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4600217

Ion Ratio Lower Upper

91 100

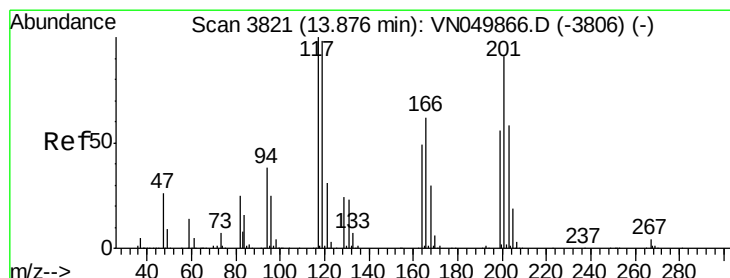
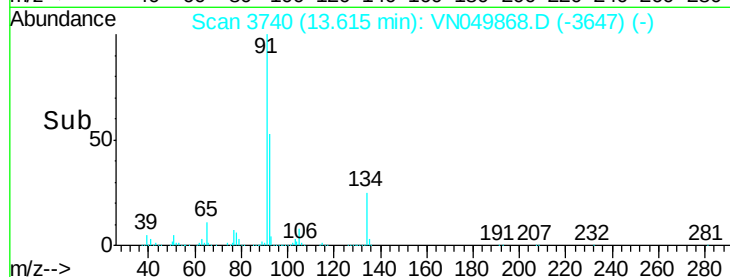
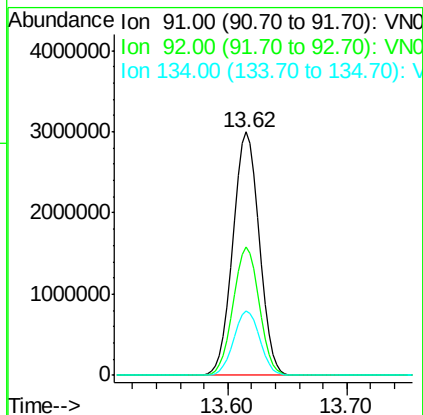
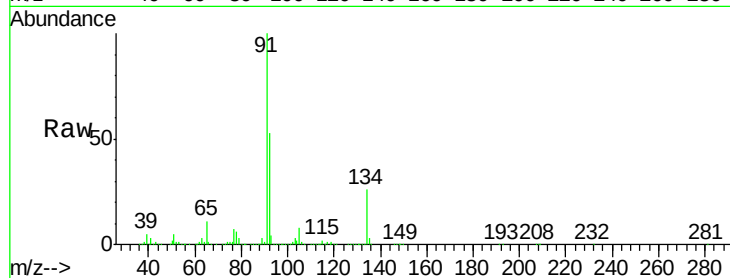
92 52.3 25.8 77.3

134 26.3 13.0 38.9

Manual Integrations
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#90

Hexachloroethane

Concen: 143.81 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049868.D

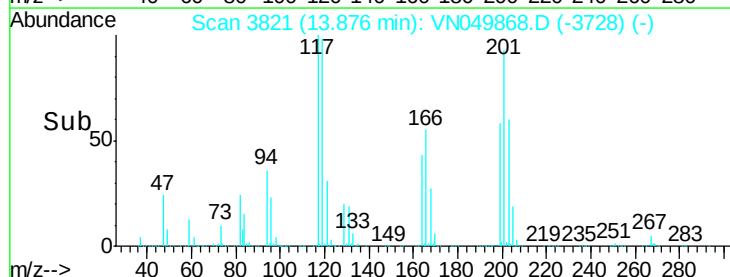
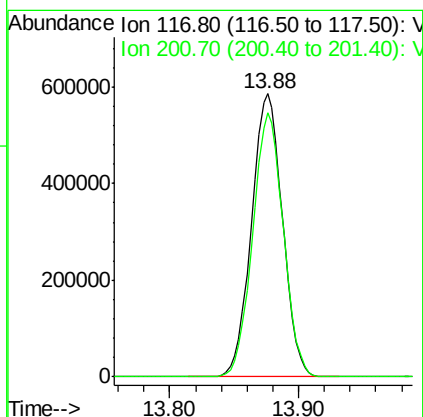
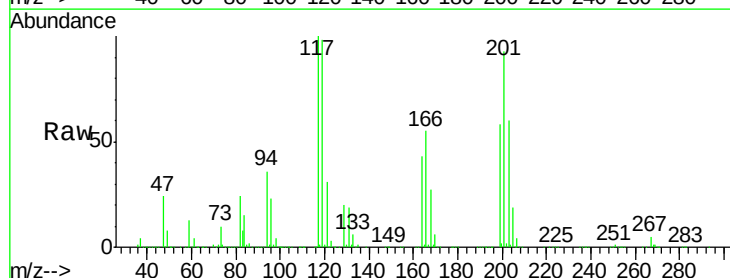
Acq: 18 Jul 2018 12:26

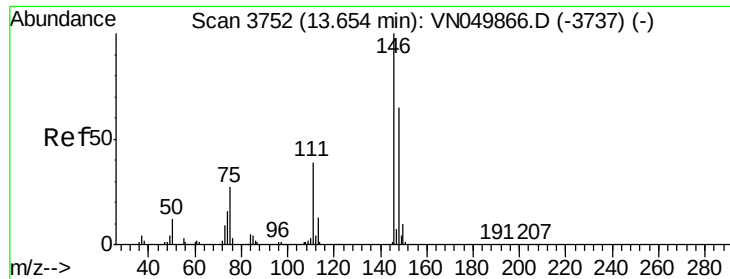
Tgt Ion: 117 Resp: 979270

Ion Ratio Lower Upper

117 100

201 92.3 45.3 135.8





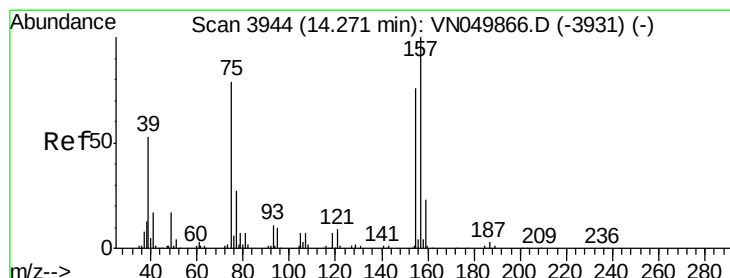
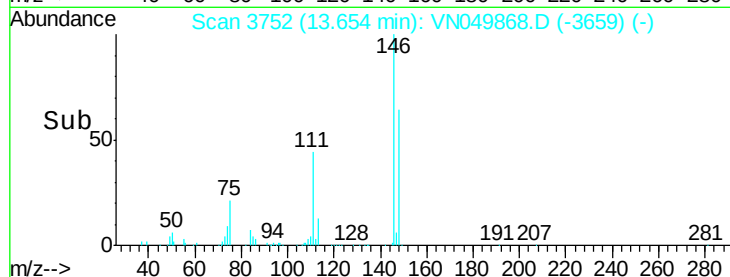
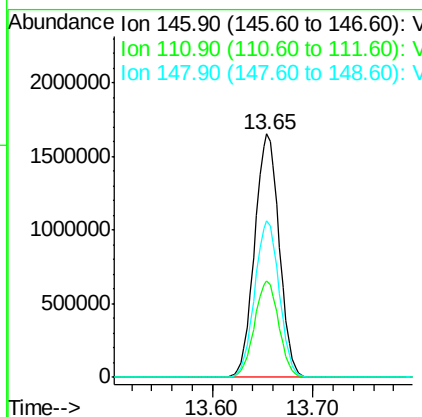
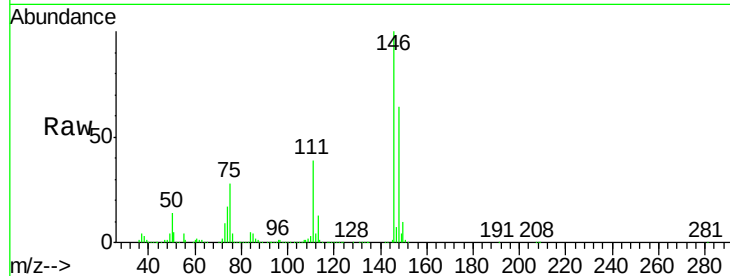
#91
 1,2-Dichlorobenzene
 Concen: 149.08 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	64.0	32.0	96.2

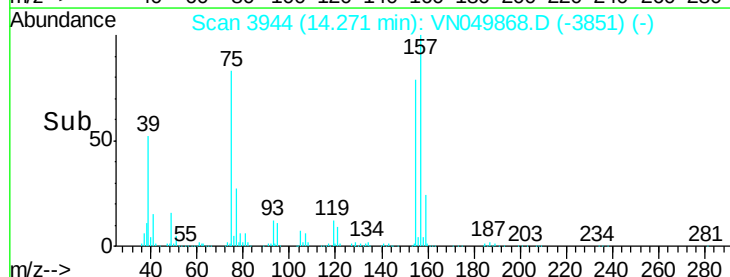
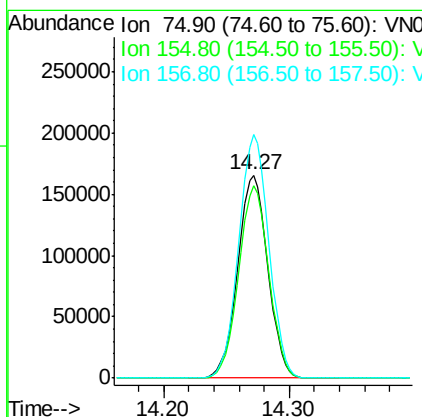
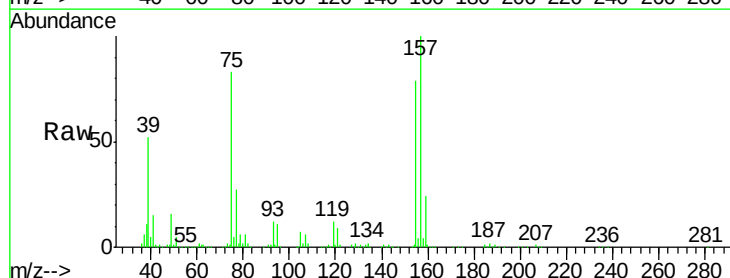
Manual Integrations
 APPROVED

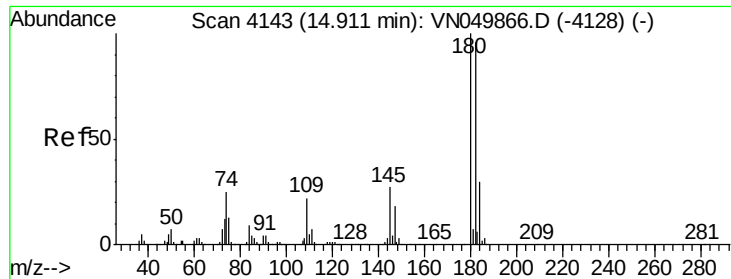
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 132.36 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049868.D
 Acq: 18 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	45.7	137.1
157	120.1	56.9	170.7





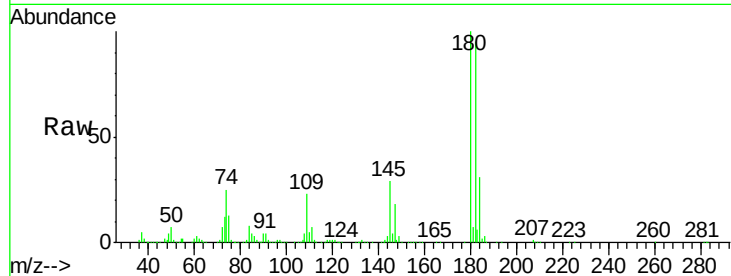
#93
1,2,4-Trichlorobenzene
Concen: 206.14 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

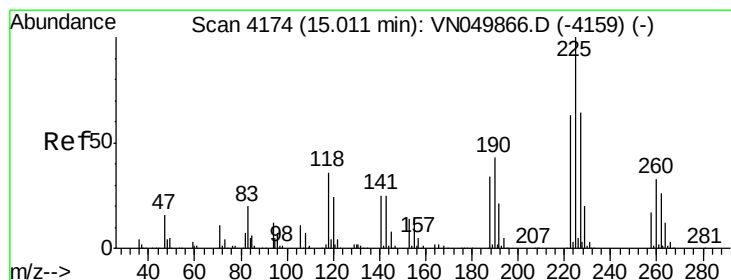
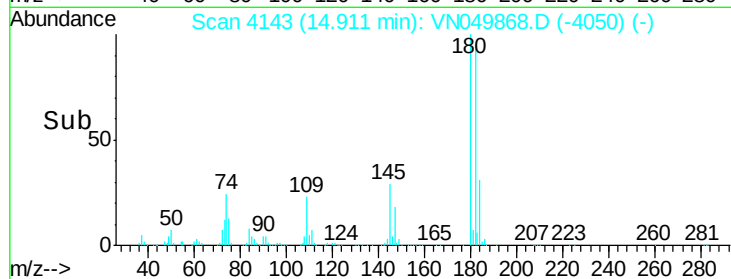
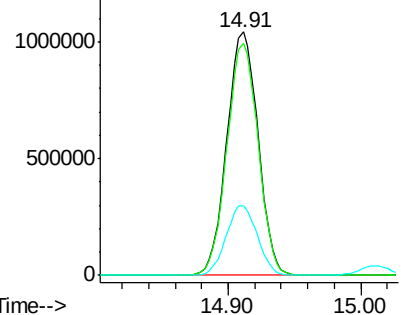
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	28.7	14.4	43.0

Manual Integrations
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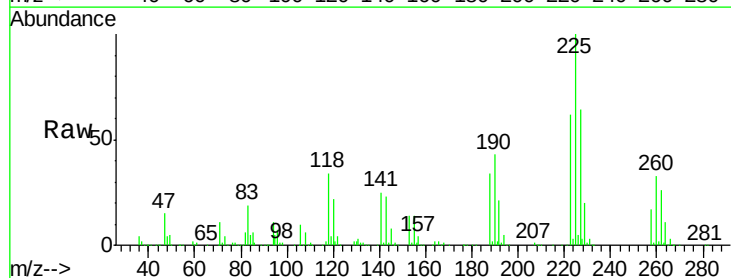


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

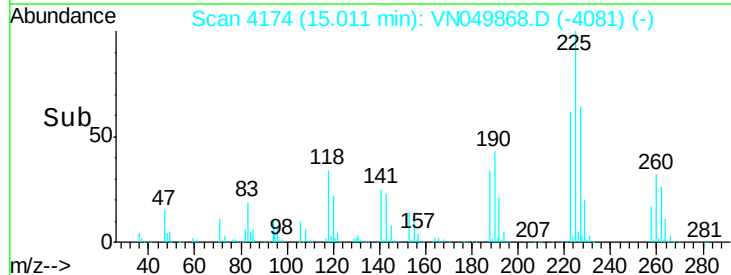
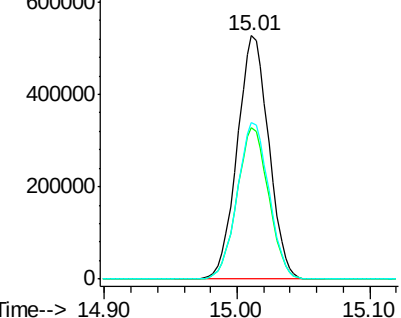


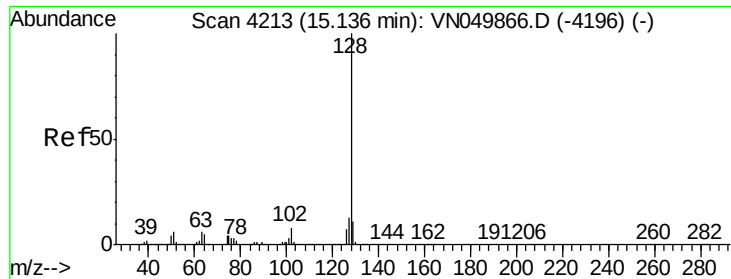
#94
Hexachlorobutadiene
Concen: 149.84 ug/l
RT: 15.01 min Scan# 4174
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.7
227	64.5	31.8	95.4



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





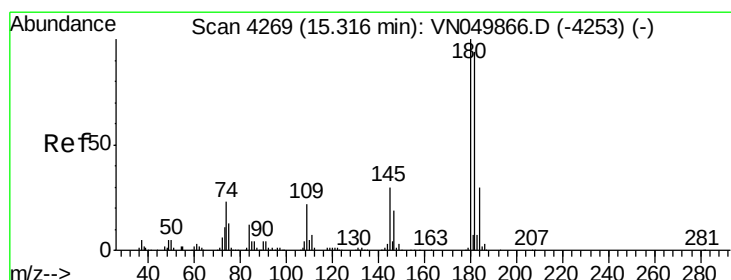
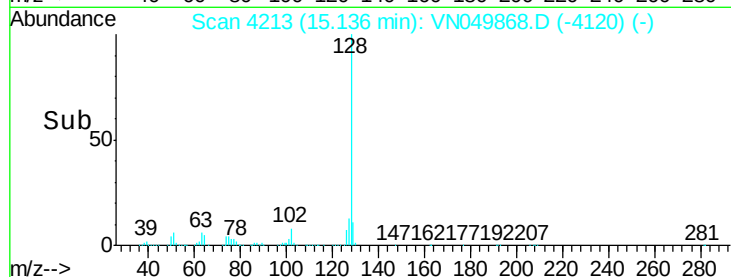
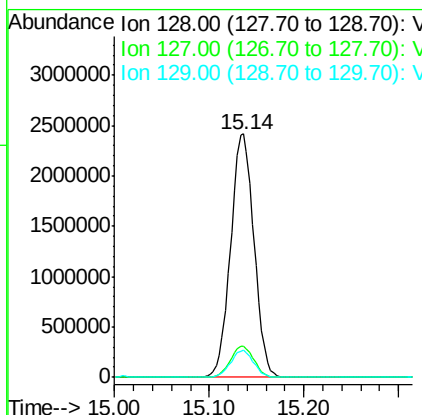
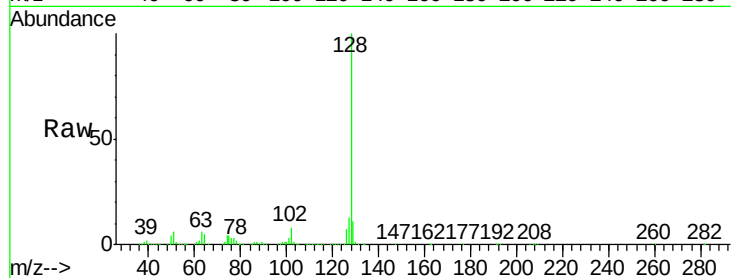
#95
Naphthalene
Concen: 209.51 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 4140233
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 186.86 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049868.D
Acq: 18 Jul 2018 12:26

Tgt Ion:180 Resp: 1635732
Ion Ratio Lower Upper
180 100
182 94.9 47.4 142.2
145 30.2 15.2 45.6

