

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050015.D
 Acq On : 23 Jul 2018 19:37
 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
 7/26/2018 1:51:01 PM

Quant Time: Jul 24 06:26:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 05:50:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	717581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1054328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1001169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	547769	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1390811	141.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.02%	
35) Dibromofluoromethane	7.59	113	1232903	139.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.56%	
50) Toluene-d8	10.09	98	4794324	148.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.60%	
62) 4-Bromofluorobenzene	12.40	95	1706703	154.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1569887	186.59	ug/l	99
3) Chloromethane	2.05	50	1590600	156.79	ug/l	100
4) Vinyl Chloride	2.18	62	1652633	153.63	ug/l	98
5) Bromomethane	2.53	94	967644	140.97	ug/l	99
6) Chloroethane	2.68	64	941750	136.26	ug/l	98
7) Trichlorofluoromethane	3.00	101	2046445	140.18	ug/l	100
8) Diethyl Ether	3.41	74	744991	147.48	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1222831	136.45	ug/l	100
10) Methyl Iodide	3.95	142	1837875	153.97	ug/l	98
11) Tert butyl alcohol	4.81	59	580441	819.13	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	1161198	146.99	ug/l	96
13) Acrolein	3.61	56	471470	982.62	ug/l	98
14) Allyl chloride	4.32	41	1955690	157.91	ug/l	98
15) Acrylonitrile	4.99	53	2446281	789.11	ug/l	99
16) Acetone	3.82	43	1755980	682.99	ug/l	100
17) Carbon Disulfide	4.04	76	3608285	151.93	ug/l	100
18) Methyl Acetate	4.33	43	1348793	137.08	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	3413712	158.52	ug/l	99
20) Methylene Chloride	4.55	84	1311253	134.08	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	1244557	149.31	ug/l	99
22) Diisopropyl ether	5.96	45	3971319	158.15	ug/l	98
23) Vinyl Acetate	5.90	43	14462840	821.91	ug/l	99
24) 1,1-Dichloroethane	5.85	63	2301008	142.03	ug/l	100
25) 2-Butanone	6.84	43	2934897	798.91	ug/l	100
26) 2,2-Dichloropropane	6.83	77	1713307	136.44	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	1410064	154.63	ug/l	100
28) Bromochloromethane	7.20	49	1055445	145.31	ug/l	99
29) Tetrahydrofuran	7.22	42	1913019	827.74	ug/l	100
30) Chloroform	7.37	83	2302587	138.94	ug/l	99
31) Cyclohexane	7.65	56	2075361	136.77	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	2028162	141.34	ug/l	99
36) 1,1-Dichloropropene	7.80	75	1817521	154.18	ug/l	100
37) Ethyl Acetate	6.94	43	1271190	157.59	ug/l	100
38) Carbon Tetrachloride	7.78	117	1821853	144.19	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2034699	166.82	ug/l	98
40) Benzene	8.04	78	5404165	150.14	ug/l	100
41) Methacrylonitrile	7.18	41	680224	171.87	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	1704444	143.37	ug/l	100
43) Isopropyl Acetate	8.17	43	2313699	162.97	ug/l #	88
44) Trichloroethene	8.84	130	1401265	148.62	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1406161	145.37	ug/l	97
46) Dibromomethane	9.21	93	864075	143.97	ug/l	99
47) Bromodichloromethane	9.41	83	1830758	147.65	ug/l	100
48) Methyl methacrylate	9.20	41	1195529	167.81	ug/l	99
49) 1,4-Dioxane	9.20	88	324928	3271.11	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	6514510	824.66	ug/l	99
52) Toluene	10.16	92	3393814	158.54	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1998215	163.43	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2188542	161.65	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	1251450	141.97	ug/l	99
56) Ethyl methacrylate	10.43	69	1780813	174.05	ug/l	99
57) 1,3-Dichloropropane	10.71	76	2113723	151.98	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	4124626	883.52	ug/l	100
59) 2-Hexanone	10.76	43	4560130	860.67	ug/l	99
60) Dibromochloromethane	10.90	129	1469091	152.06	ug/l	99
61) 1,2-Dibromoethane	11.01	107	1297661	157.19	ug/l	99
64) Tetrachloroethene	10.63	164	1304383	142.41	ug/l	99
65) Chlorobenzene	11.44	112	3699607	146.44	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1386742	141.81	ug/l	99
67) Ethyl Benzene	11.51	91	6575011	160.48	ug/l	99
68) m/p-Xylenes	11.62	106	4988228	322.01	ug/l	100
69) o-Xylene	11.95	106	2405357	161.75	ug/l	99
70) Styrene	11.97	104	3955849	164.97	ug/l	99
71) Bromoform	12.13	173	1081212	155.16	ug/l #	99
73) Isopropylbenzene	12.25	105	6409637	153.10	ug/l	100
74) N-amyl acetate	12.07	43	2061845	162.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1660848	132.71	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	1374086m	134.09	ug/l	
77) Bromobenzene	12.53	156	1659173	143.57	ug/l	98
78) n-propylbenzene	12.60	91	7359149	154.72	ug/l	100
79) 2-Chlorotoluene	12.68	91	4343301	148.75	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	5203578	155.27	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	528030	160.39	ug/l	97
82) 4-Chlorotoluene	12.78	91	4463190	152.45	ug/l	99
83) tert-Butylbenzene	13.00	119	4480576	152.65	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	5361248	157.98	ug/l	100
85) sec-Butylbenzene	13.17	105	6092583	156.82	ug/l	100
86) p-Isopropyltoluene	13.29	119	5352723	161.59	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2953721	146.92	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	2893542	143.72	ug/l	100
89) n-Butylbenzene	13.62	91	4614983	168.99	ug/l	99
90) Hexachloroethane	13.88	117	1002673	135.02	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	2819695	142.75	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	280930	144.25	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1683070	185.51	ug/l	98
94) Hexachlorobutadiene	15.01	225	834835	129.17	ug/l	99
95) Naphthalene	15.14	128	4090794	205.12	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1609817	170.57	ug/l	100

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

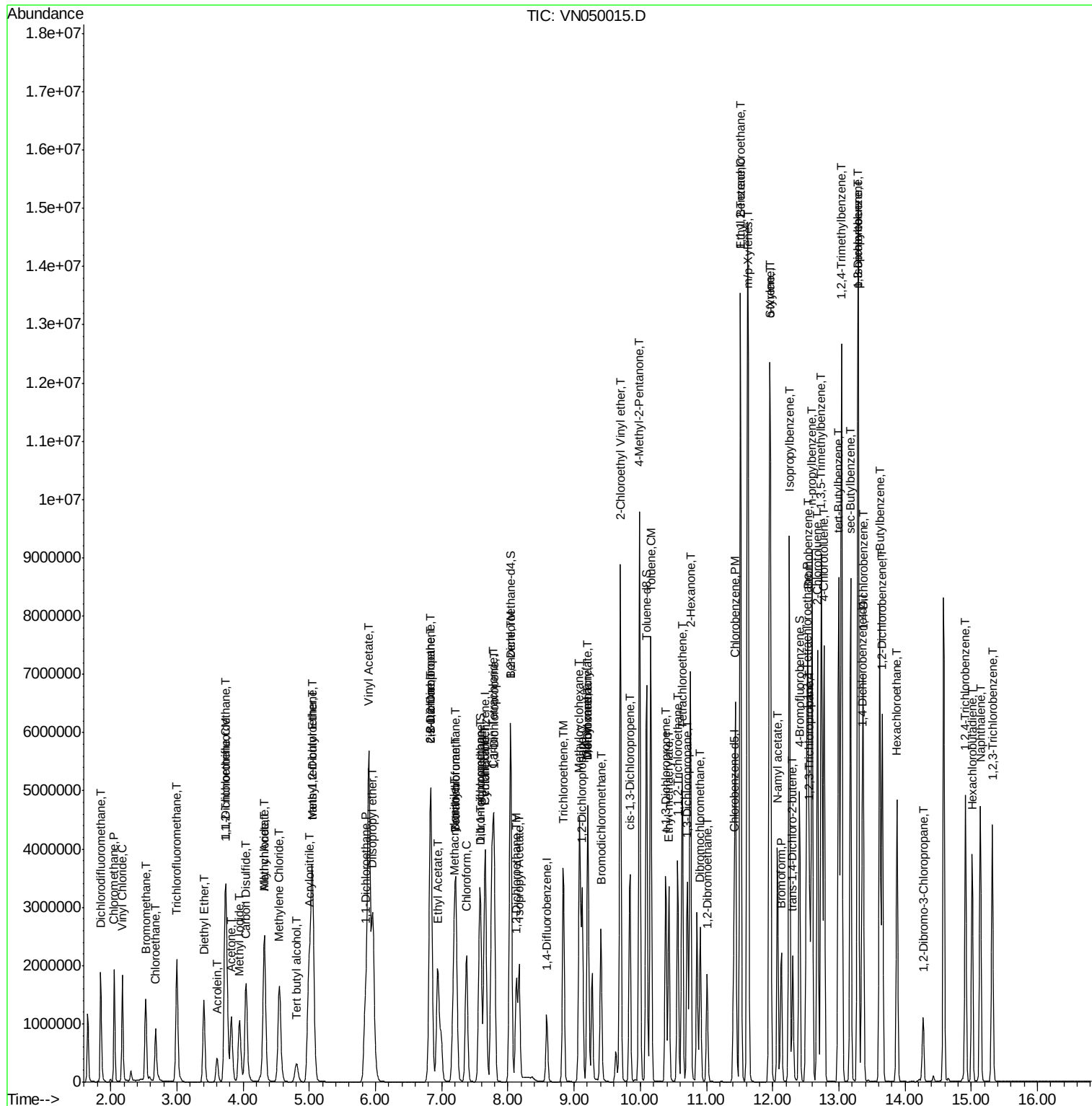
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
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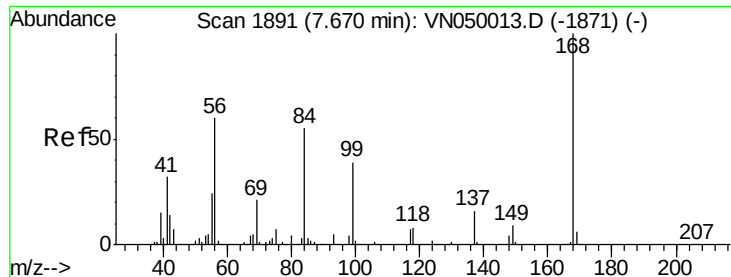
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 717581

Ion Ratio Lower Upper

168 100

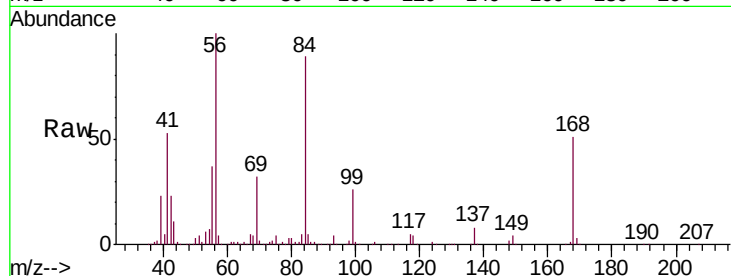
99 50.3 40.0 60.0

Manual Integrations

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7/26/2018 1:51:01 PM



Abundance Ion 167.90 (167.60 to 168.60): VN050013.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050013.D (-1871) (-)

500000

400000

300000

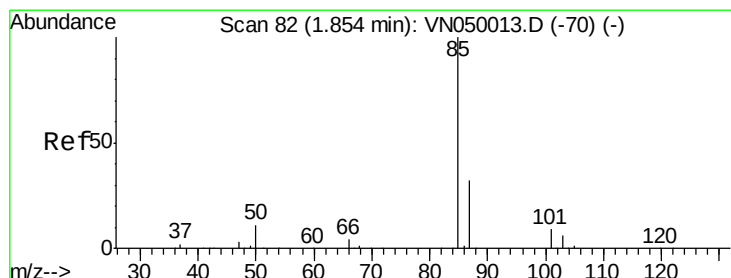
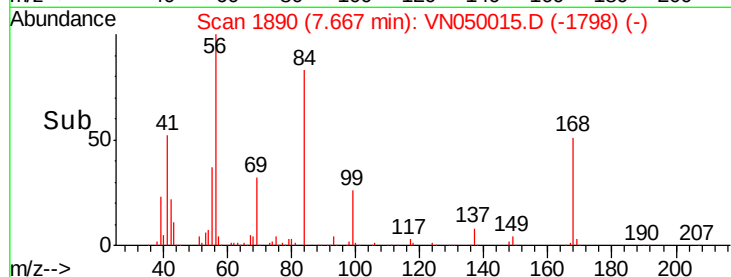
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 186.59 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050015.D

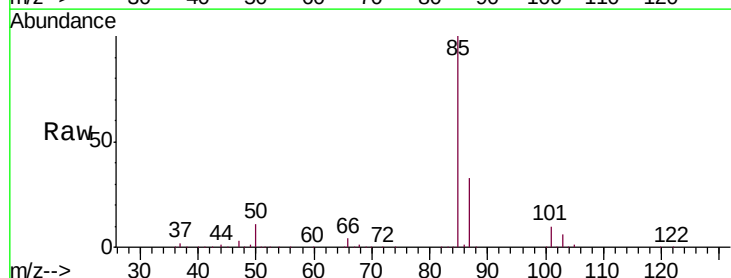
Acq: 23 Jul 2018 19:37

Tgt Ion: 85 Resp: 1569887

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050013.D (-70) (-)

Ion 86.90 (86.60 to 87.60): VN050013.D (-70) (-)

1200000

1000000

800000

600000

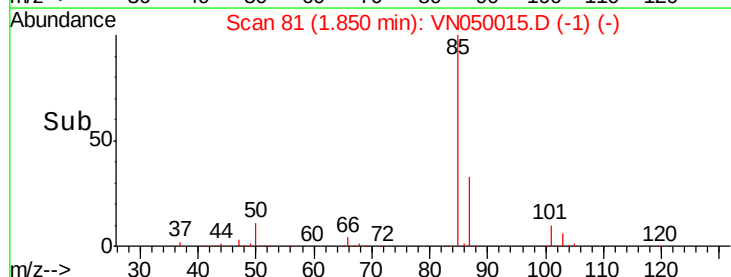
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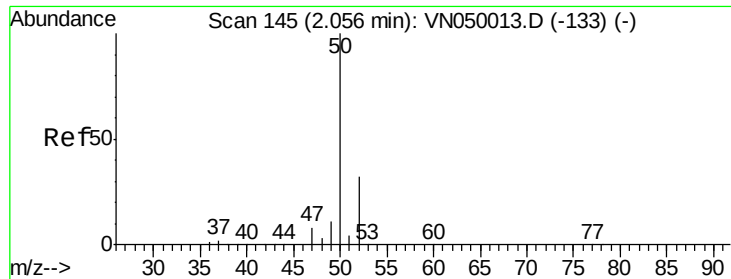
200000

0

1.80 1.85 1.90 2.00

Time-->





#3

Chloromethane

Concen: 156.79 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 1590600

Ion Ratio Lower Upper

50 100

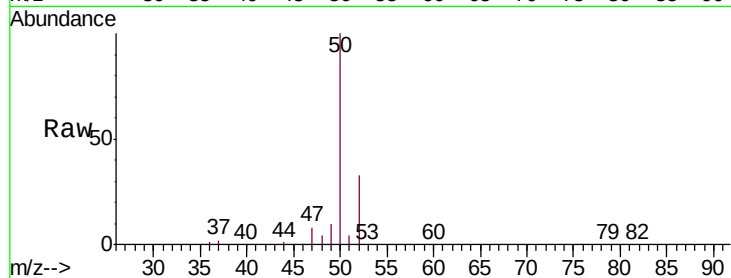
52 32.6 25.9 38.9

Manual Integrations

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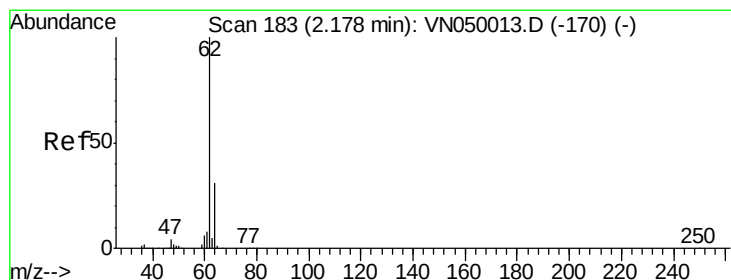
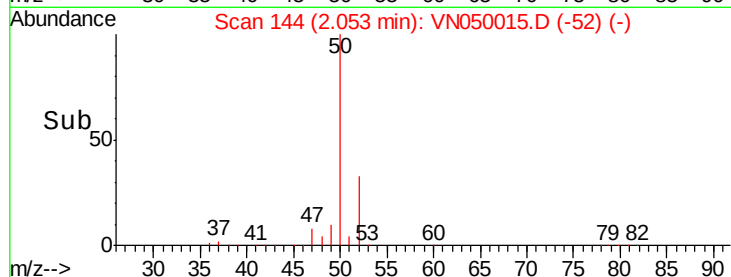
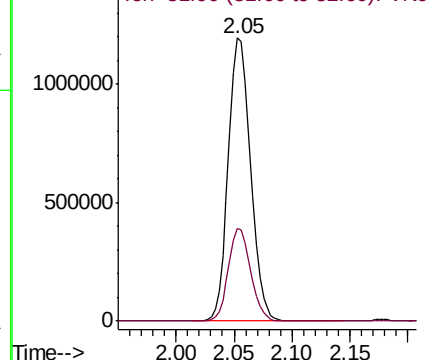
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 153.63 ug/l

RT: 2.18 min Scan# 182

Delta R.T. -0.00 min

Lab File: VN050015.D

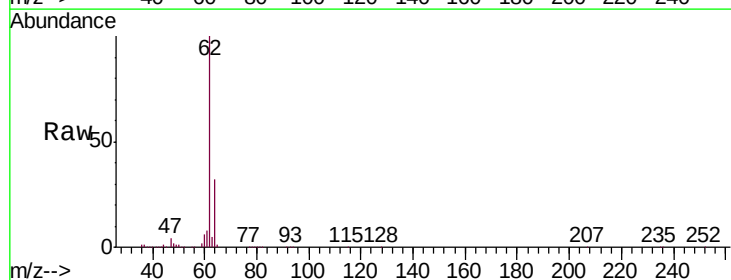
Acq: 23 Jul 2018 19:37

Tgt Ion: 62 Resp: 1652633

Ion Ratio Lower Upper

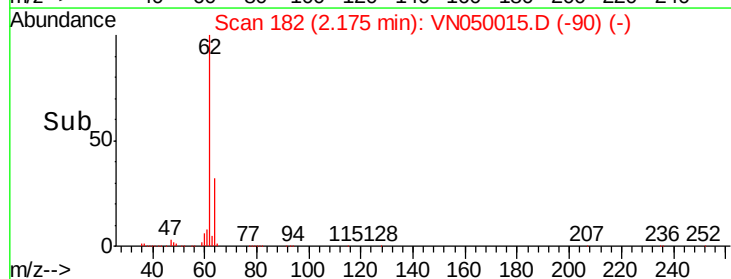
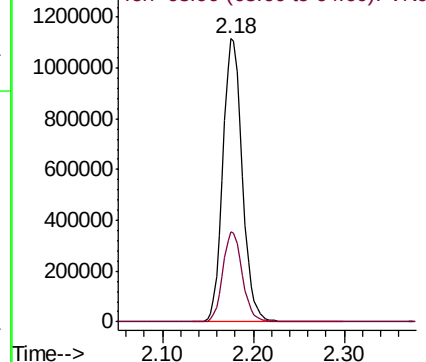
62 100

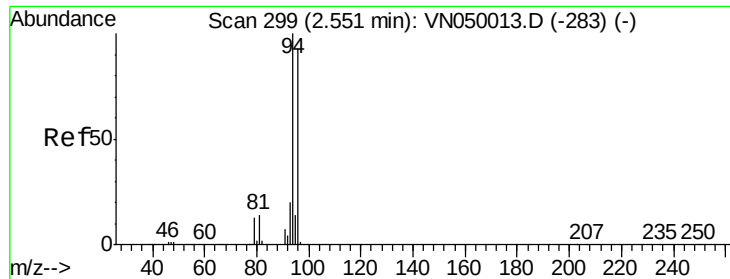
64 32.0 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 140.97 ug/l

RT: 2.53 min Scan# 292

Delta R.T. -0.02 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

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Tot Ion: 94 Resp: 967644

Ion Ratio Lower Upper

94 100

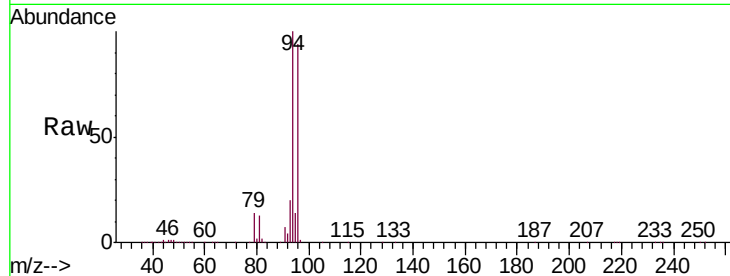
96 94.2 74.6 112.0

Manual Integrations

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7/26/2018 1:51:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VN050013.D (-283) (-)

Ion 95.90 (95.60 to 96.60): VN050013.D (-283) (-)

600000

500000

400000

300000

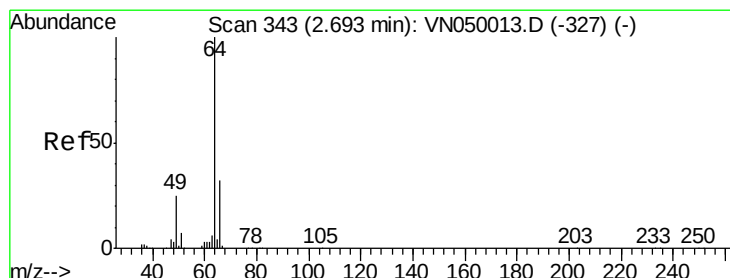
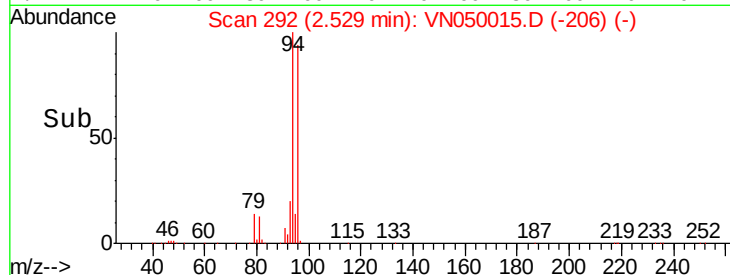
200000

100000

0

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 136.26 ug/l

RT: 2.68 min Scan# 339

Delta R.T. -0.01 min

Lab File: VN050015.D

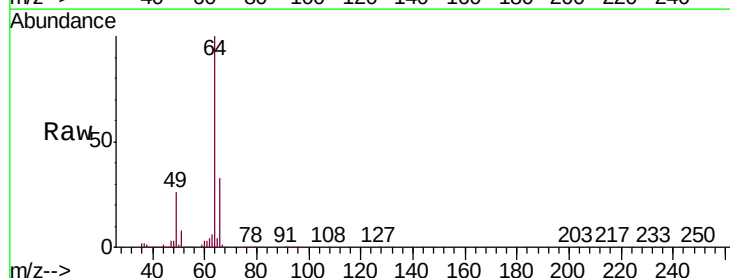
Acq: 23 Jul 2018 19:37

Tgt Ion: 64 Resp: 941750

Ion Ratio Lower Upper

64 100

66 32.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN050013.D (-327) (-)

Ion 65.90 (65.60 to 66.60): VN050013.D (-327) (-)

500000

400000

300000

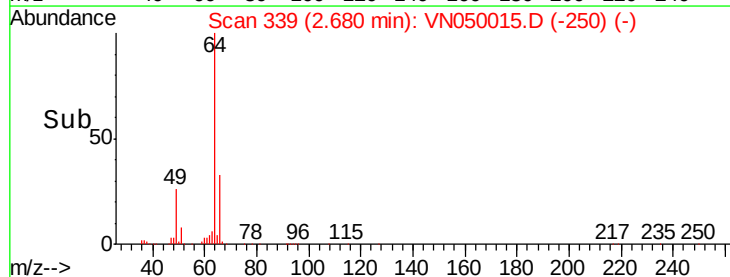
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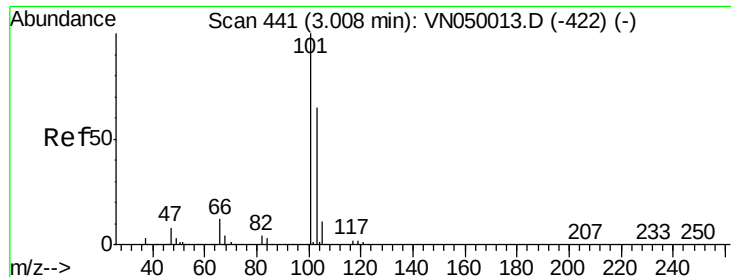
100000

0

2.60 2.70 2.80

Time-->





#7

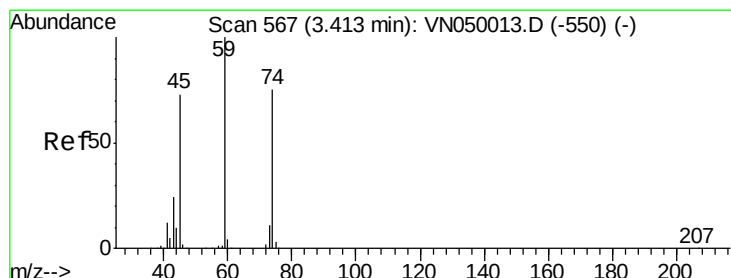
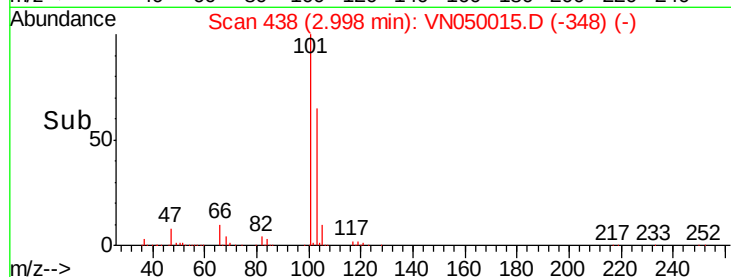
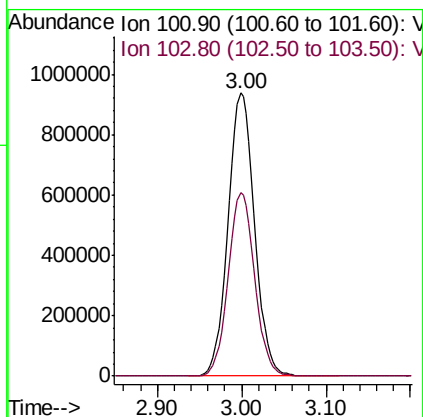
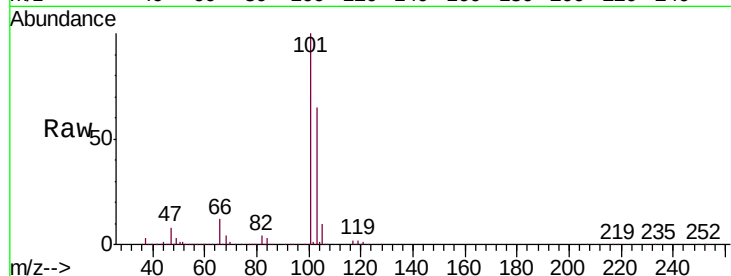
Trichlorofluoromethane
Concen: 140.18 ug/l
RT: 3.00 min Scan# 438
Delta R.T. -0.01 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 2046445
Ion Ratio Lower Upper
101 100
103 64.8 51.7 77.5

Manual Integrations
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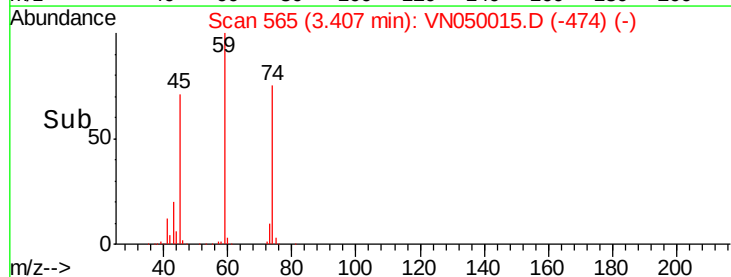
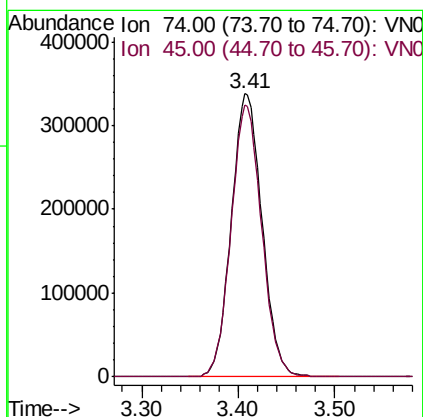
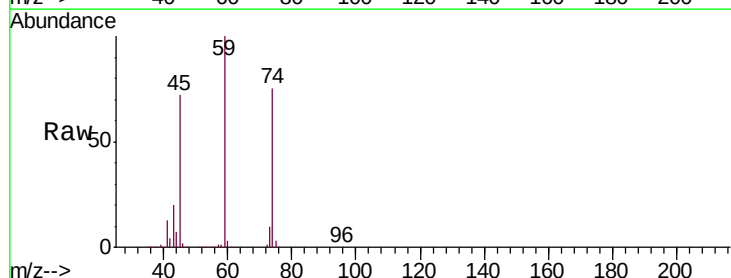
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7/26/2018 1:51:01 PM

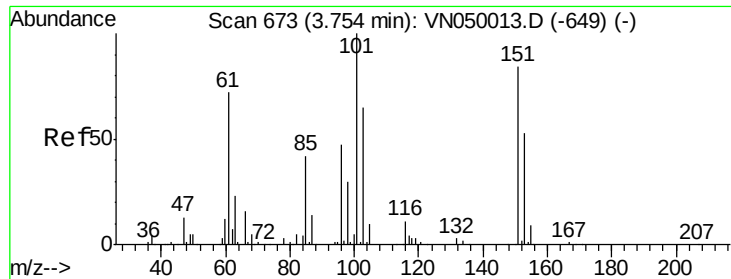


#8

Diethyl Ether
Concen: 147.48 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 74 Resp: 744991
Ion Ratio Lower Upper
74 100
45 95.6 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 136.45 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.01 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:101 Resp: 1222831

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.2

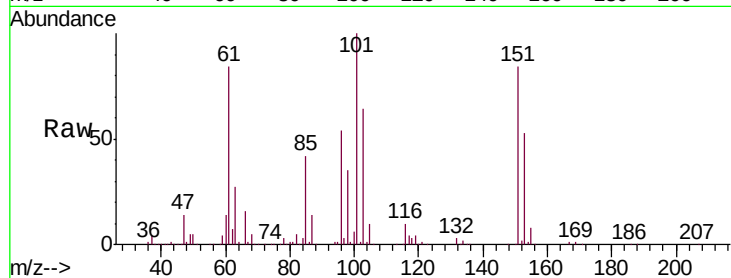
151 83.0 66.3 99.5

Manual Integrations

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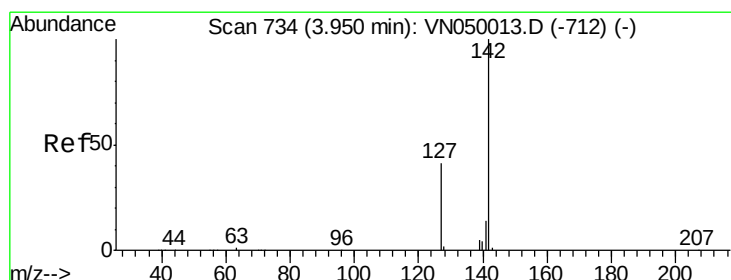
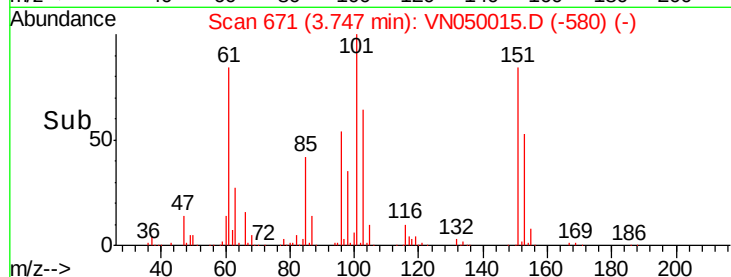
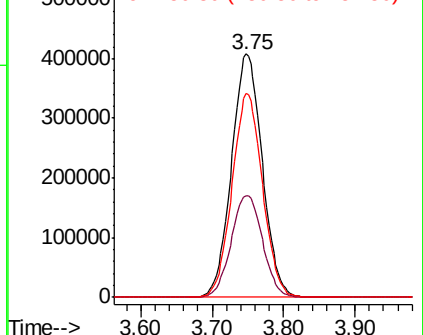
7/26/2018 1:51:01 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 153.97 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

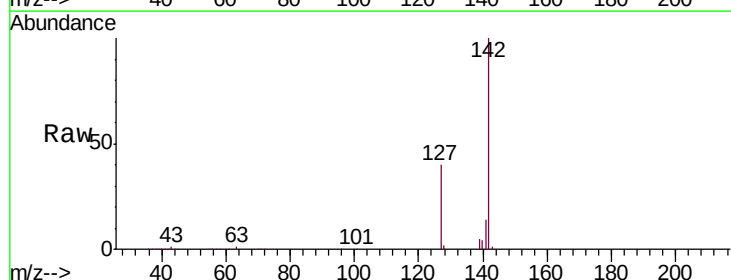
Tgt Ion:142 Resp: 1837875

Ion Ratio Lower Upper

142 100

127 40.3 33.4 50.2

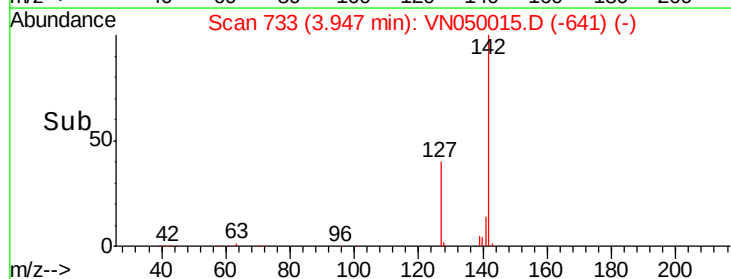
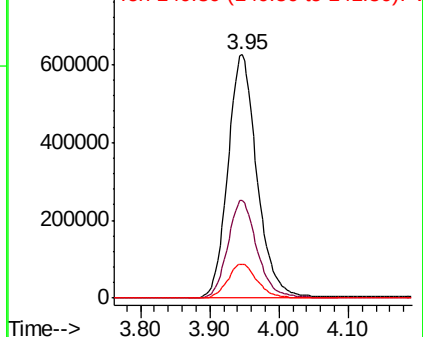
141 14.1 11.6 17.4

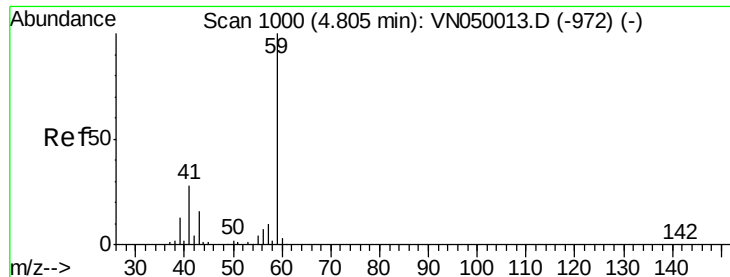


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





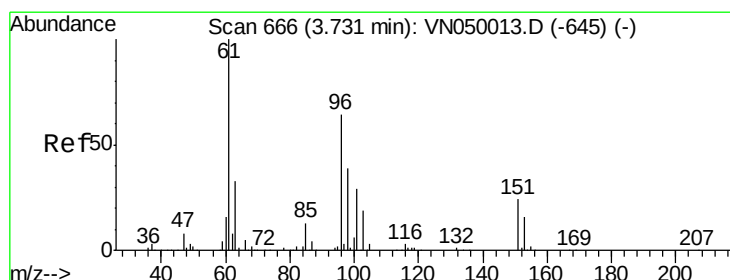
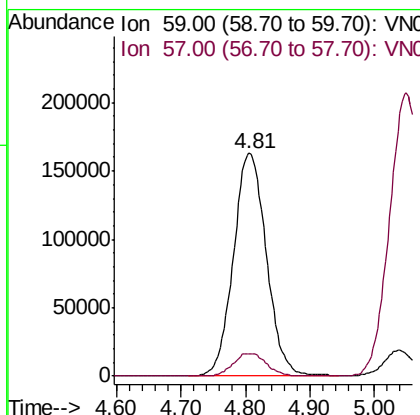
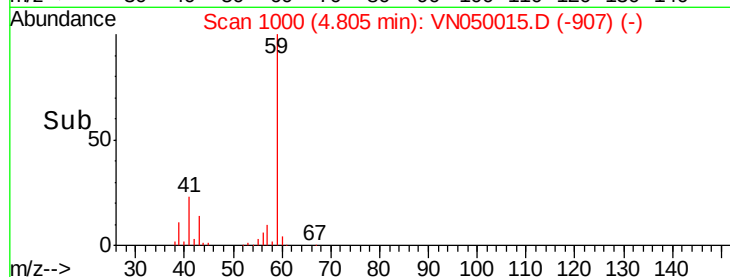
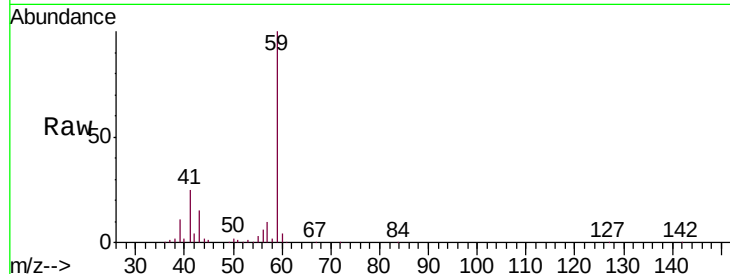
#11
Tert butyl alcohol
Concen: 819.13 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 580441
Ion Ratio Lower Upper
59 100
57 5.2 8.5 12.7#

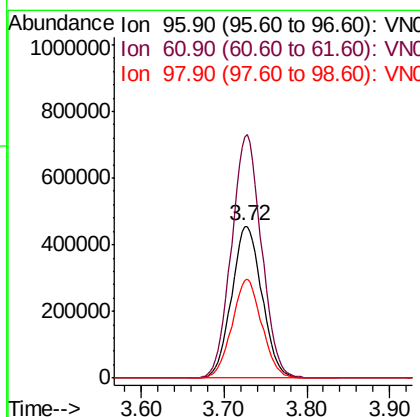
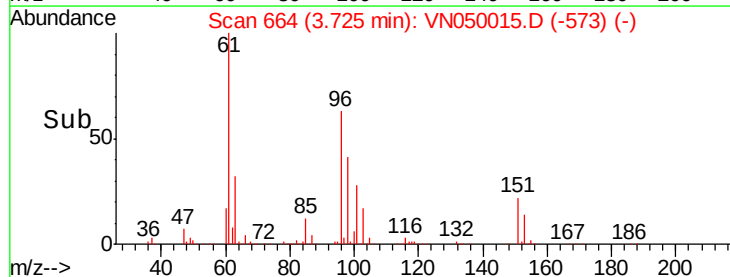
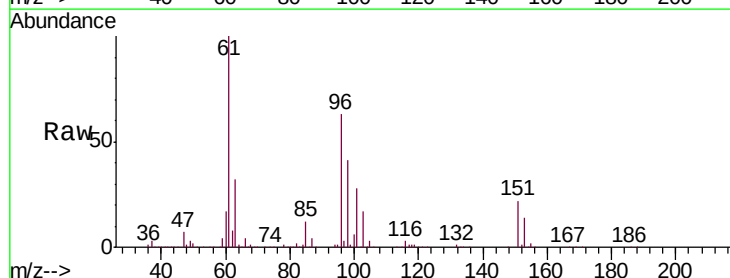
Manual Integrations
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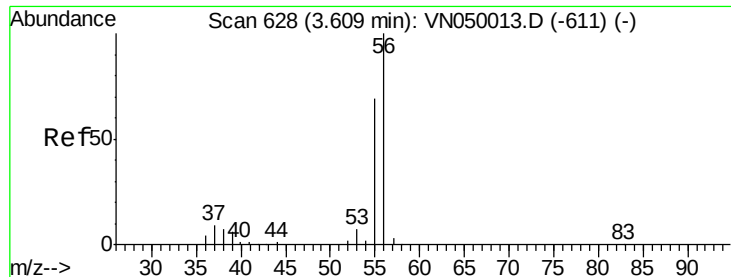
MMDadoda
7/26/2018 1:51:01 PM



#12
1,1-Dichloroethene
Concen: 146.99 ug/l
RT: 3.72 min Scan# 664
Delta R.T. -0.01 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 96 Resp: 1161198
Ion Ratio Lower Upper
96 100
61 159.0 124.4 186.6
98 64.7 48.3 72.5





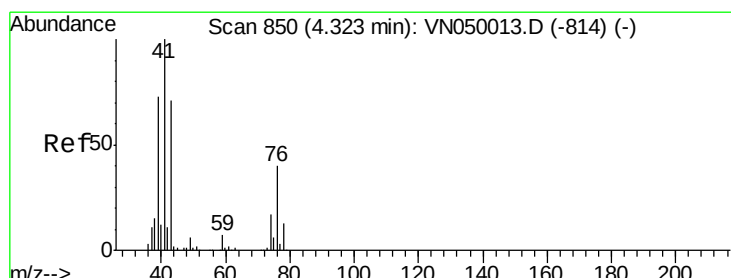
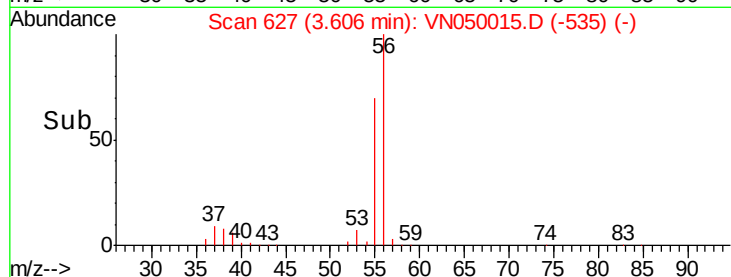
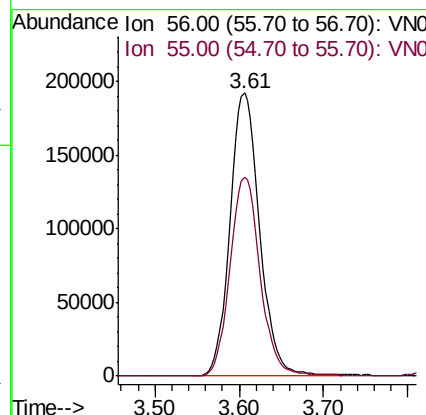
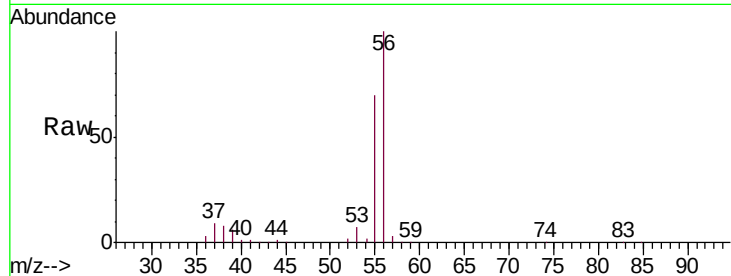
#13
Acrolein
Concen: 982.62 ug/l
RT: 3.61 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.5	55.8	83.6

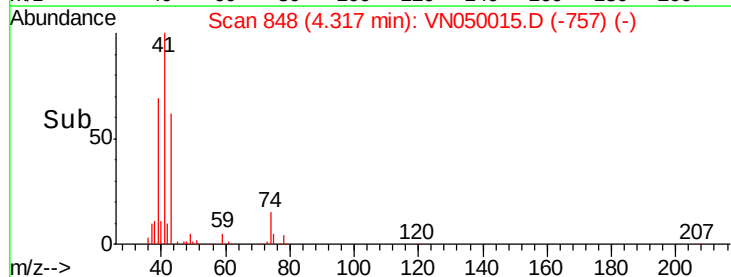
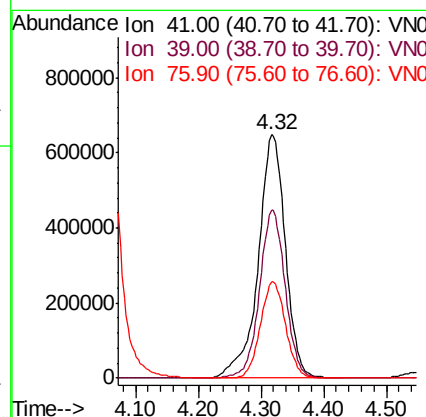
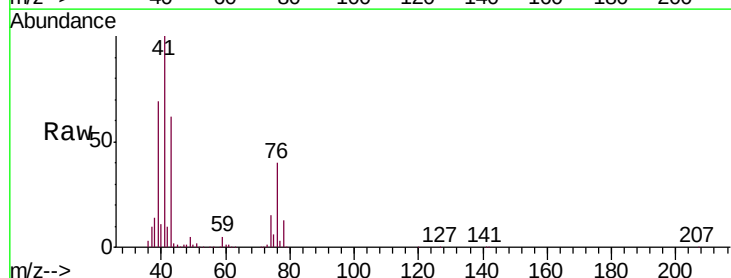
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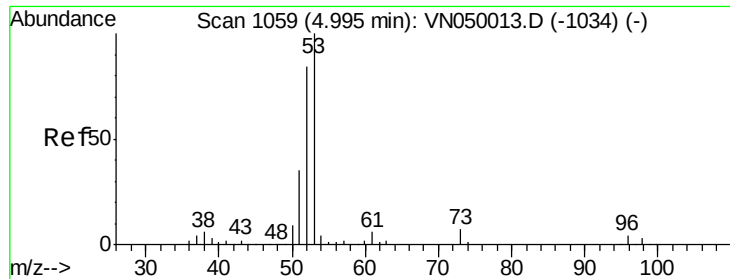
MMDadoda
7/26/2018 1:51:01 PM



#14
Allyl chloride
Concen: 157.91 ug/l
RT: 4.32 min Scan# 848
Delta R.T. -0.01 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	65.2	54.2	81.4
76	76	36.6	29.0	43.6





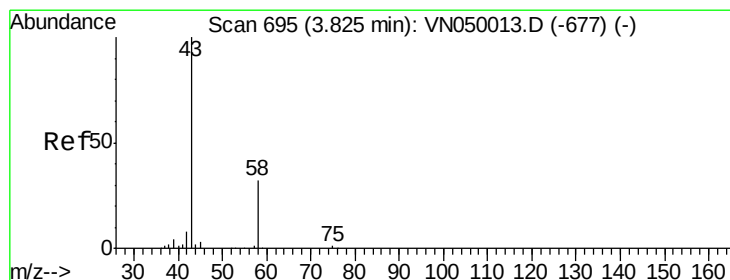
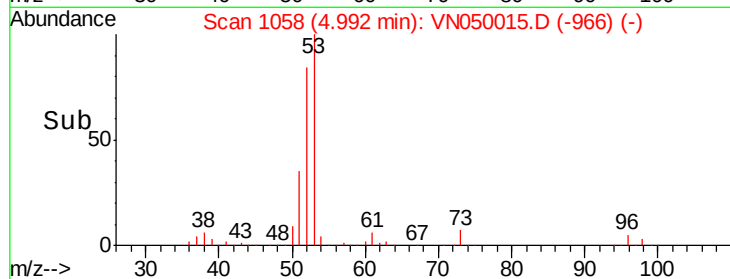
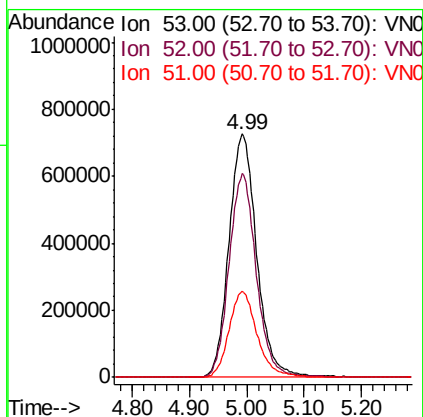
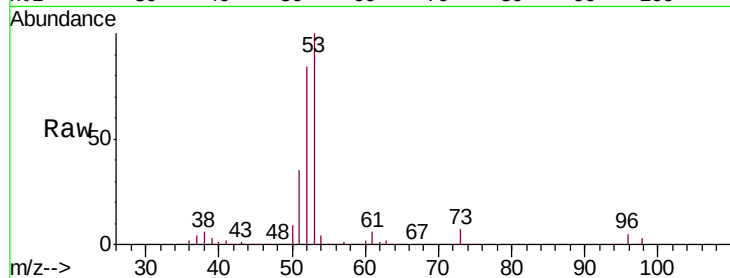
#15
 Acrylonitrile
 Concen: 789.11 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	35.8	29.3	43.9

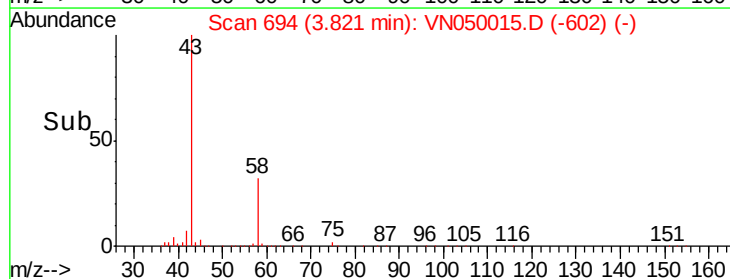
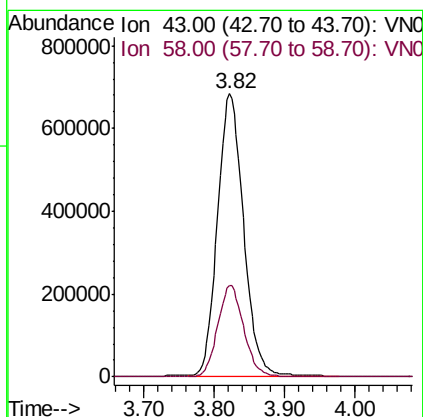
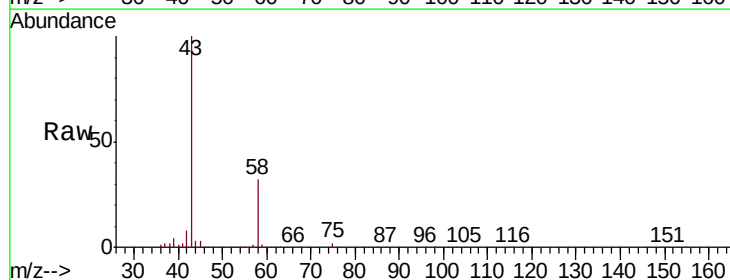
Manual Integrations
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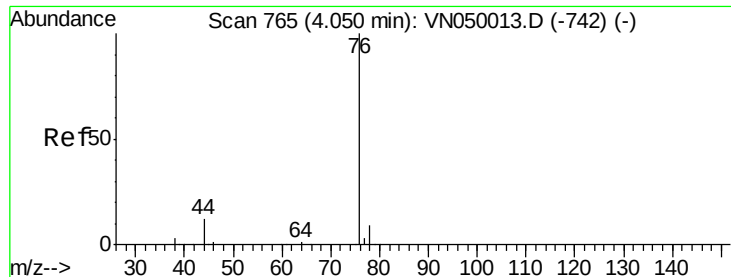
MMDadoda
 7/26/2018 1:51:01 PM



#16
 Acetone
 Concen: 682.99 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.8	38.8





#17

Carbon Disulfide

Concen: 151.93 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.01 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 3608285

Ion Ratio Lower Upper

76 100

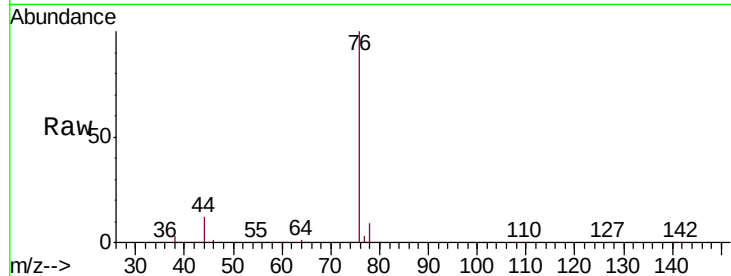
78 9.0 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN050013.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN050013.D (-742) (-)

1500000

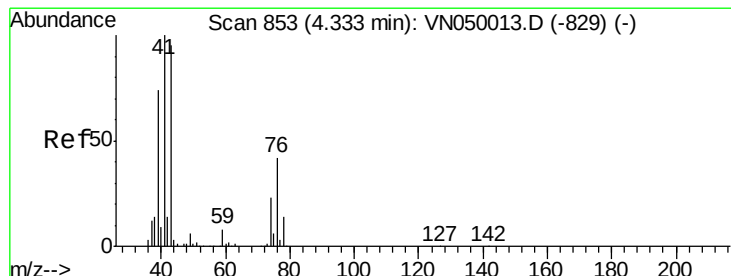
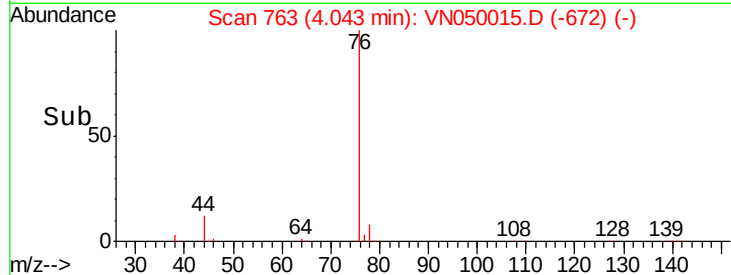
1000000

500000

0

4.00 4.20

Time-->



#18

Methyl Acetate

Concen: 137.08 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.01 min

Lab File: VN050015.D

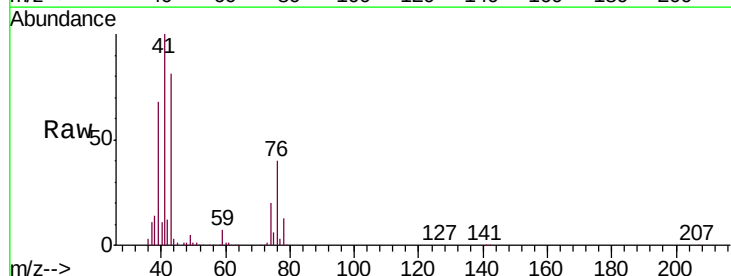
Acq: 23 Jul 2018 19:37

Tgt Ion: 43 Resp: 1348793

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050013.D (-829) (-)

Ion 74.00 (73.70 to 74.70): VN050013.D (-829) (-)

500000

400000

300000

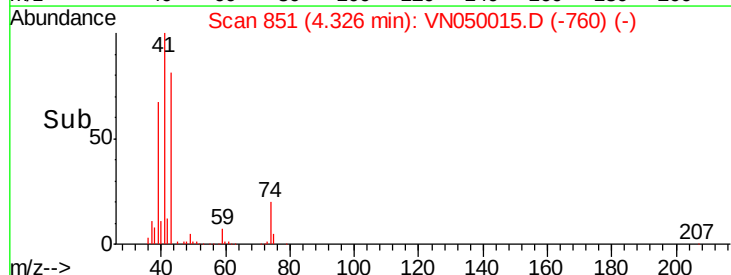
200000

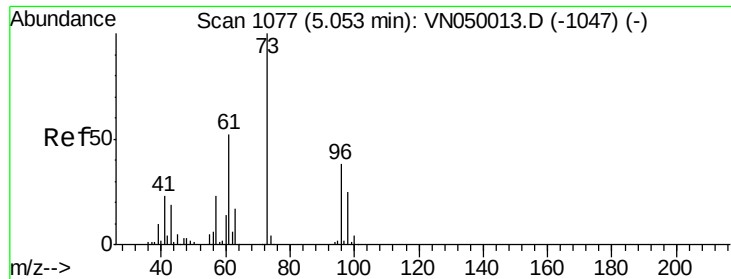
100000

0

4.20 4.30 4.40

Time-->





#19

Methvl tert-butyl Ether

Concen: 158.52 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Tot Ion: 73 Resp: 3413712

Ion Ratio Lower Upper

73 100

57 22.2 18.0 27.0

Instrument :

MSVOA_N

ClientSampled :

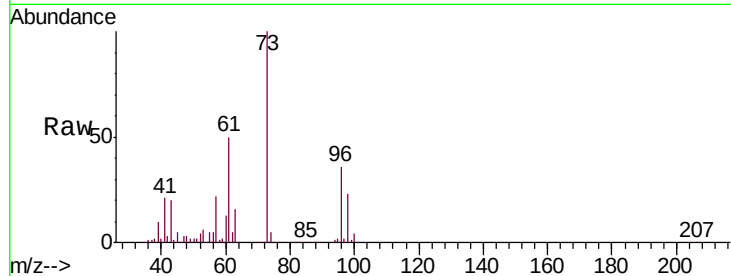
VSTDIC150

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VN050013.D (-1047) (-)

Ion 57.00 (56.70 to 57.70): VN050013.D (-1047) (-)

5.05

800000

600000

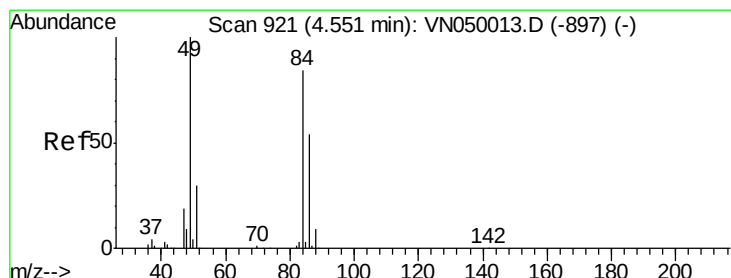
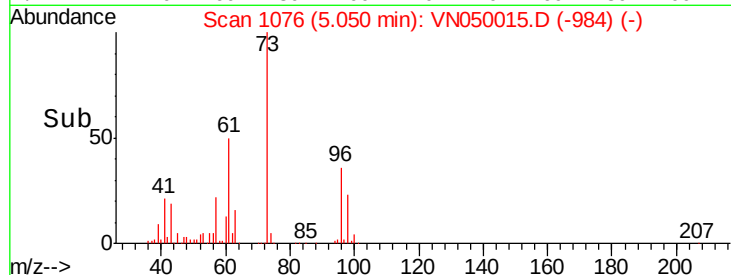
400000

200000

0

4.90 5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: 134.08 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Tgt Ion: 84 Resp: 1311253

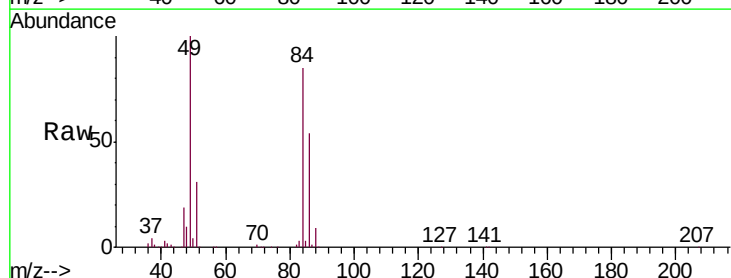
Ion Ratio Lower Upper

84 100

49 117.7 94.8 142.2

51 37.0 28.3 42.5

86 63.4 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VN050013.D (-897) (-)

Ion 48.90 (48.60 to 49.60): VN050013.D (-897) (-)

Ion 50.90 (50.60 to 51.60): VN050013.D (-897) (-)

Ion 85.90 (85.60 to 86.60): VN050013.D (-897) (-)

4.55

600000

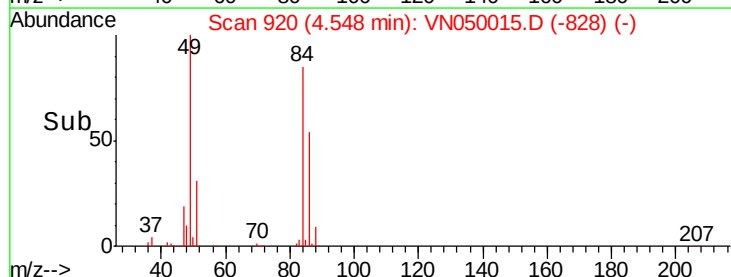
400000

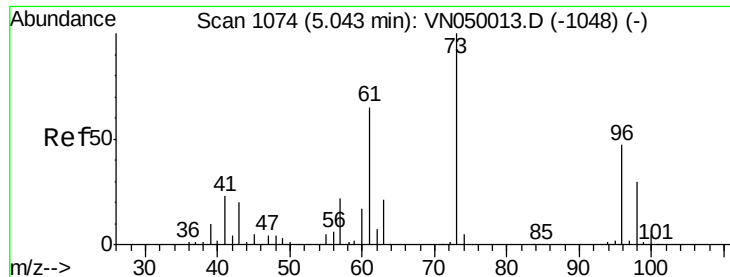
200000

0

4.40 4.50 4.60 4.70

Time-->





#21

trans-1,2-Dichloroethene

Concen: 149.31 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1244557

Ion Ratio Lower Upper

96 100

61 137.9 110.7 166.1

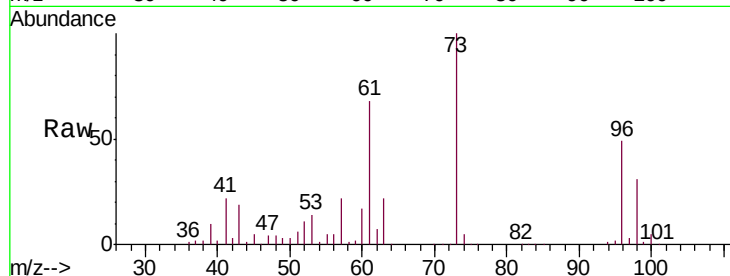
98 63.7 51.6 77.4

Manual Integrations

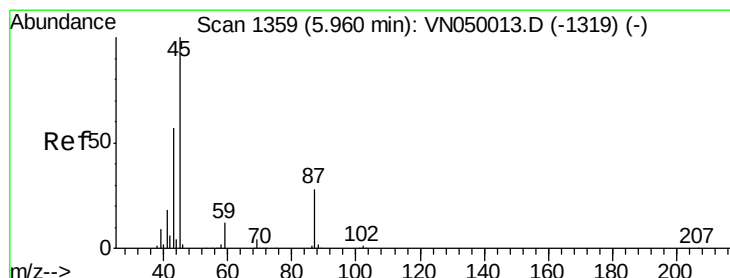
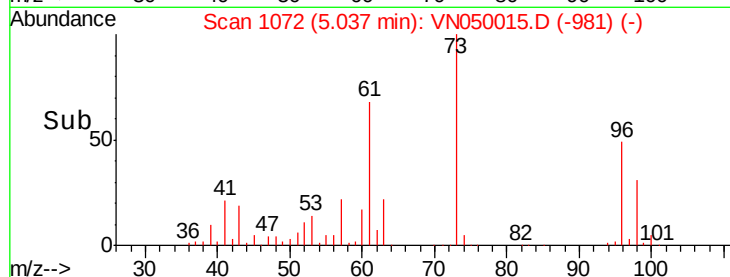
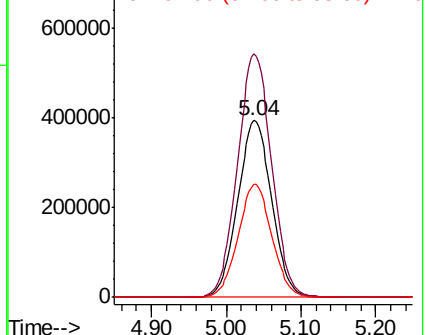
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 158.15 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Tgt Ion: 45 Resp: 3971319

Ion Ratio Lower Upper

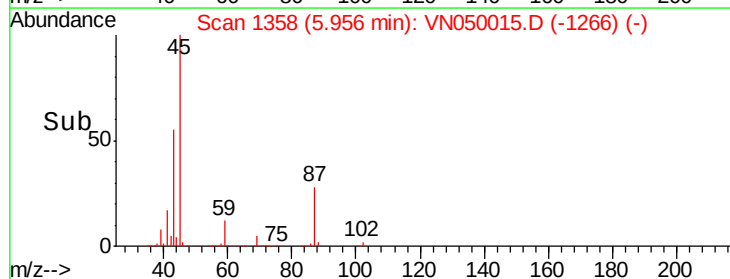
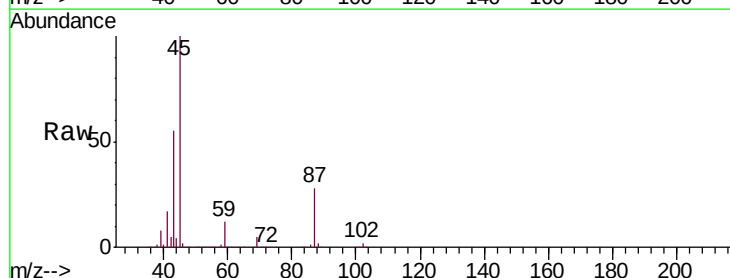
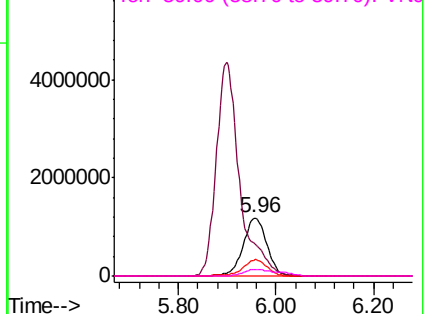
45 100

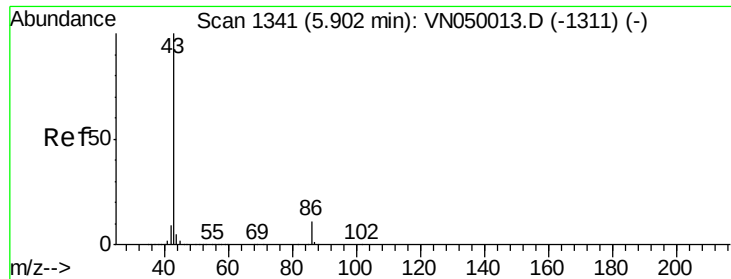
43 55.0 45.7 68.5

87 28.0 22.7 34.1

59 11.9 9.5 14.3

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 821.91 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC150

Tot Ion: 43 Resp: 14462840

Ion Ratio Lower Upper

43 100

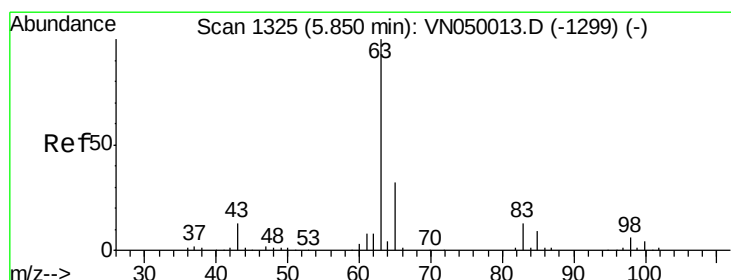
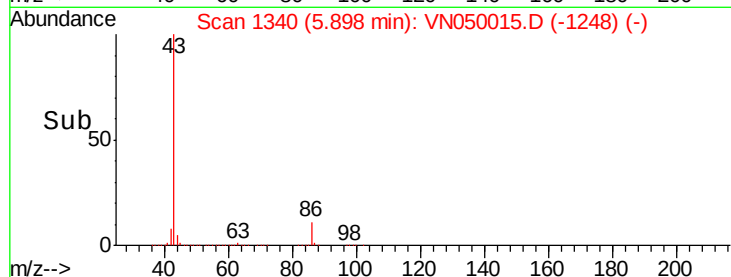
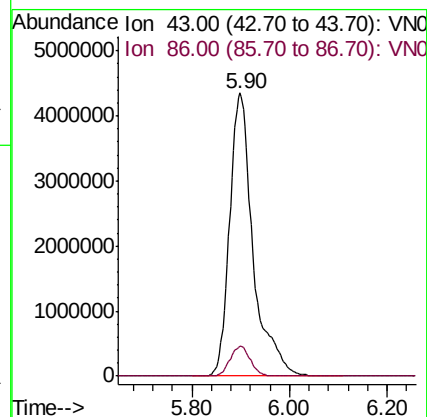
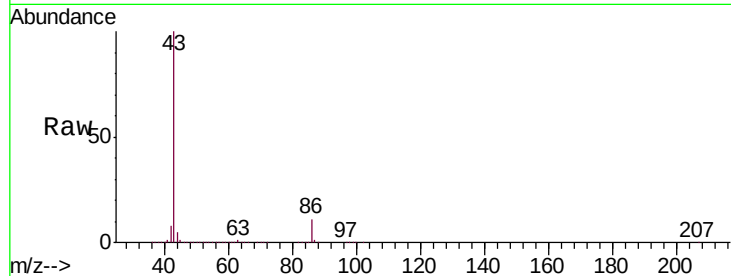
86 10.6 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 142.03 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

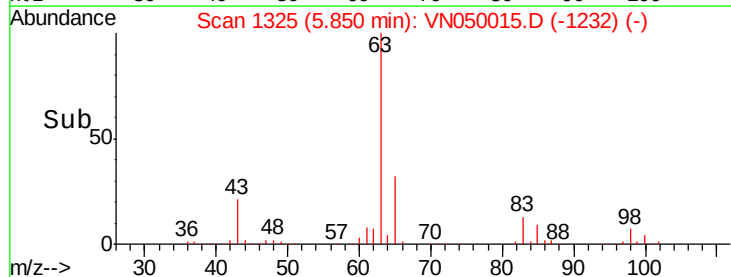
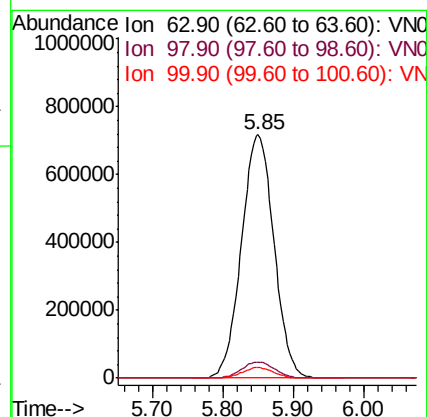
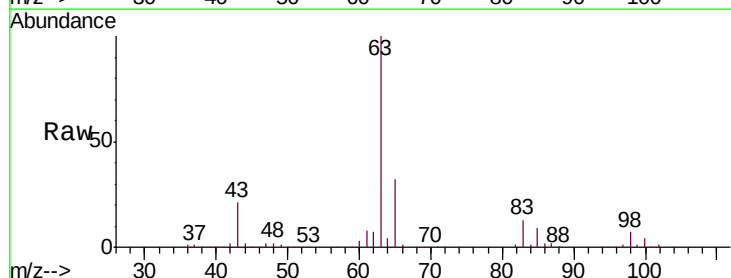
Tgt Ion: 63 Resp: 2301008

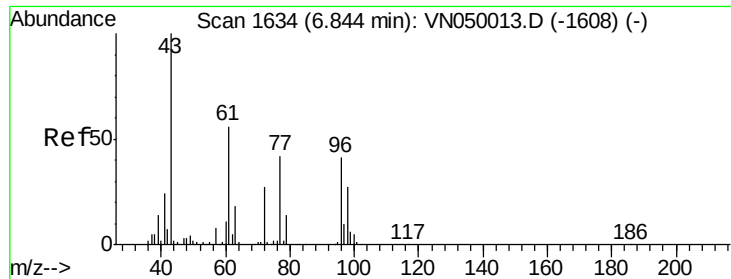
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 798.91 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2934897

Ion Ratio Lower Upper

43 100

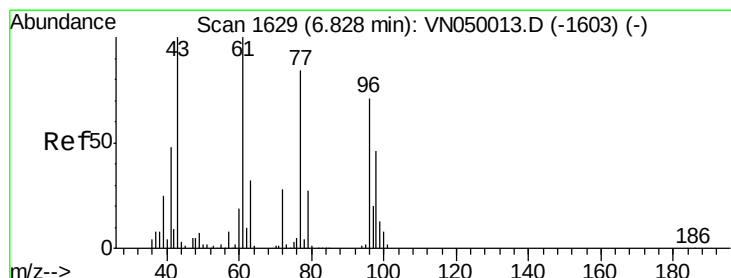
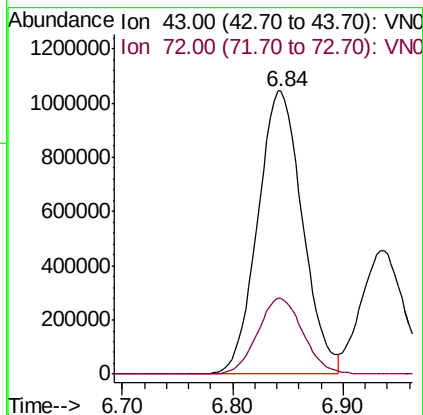
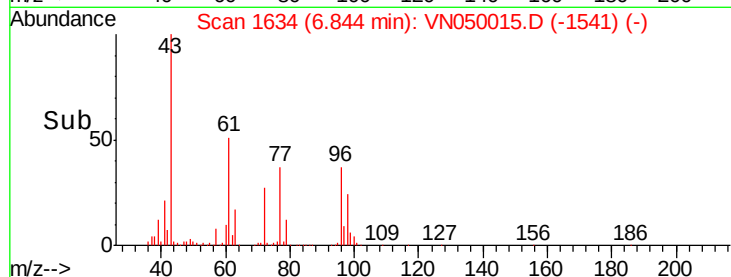
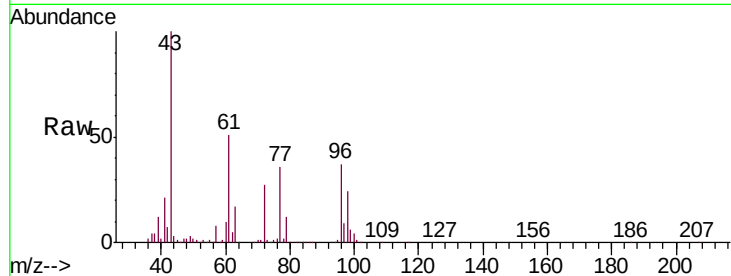
72 27.0 21.5 32.3

Manual Integrations

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7/26/2018 1:51:01 PM



#26

2,2-Dichloropropane

Concen: 136.44 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050015.D

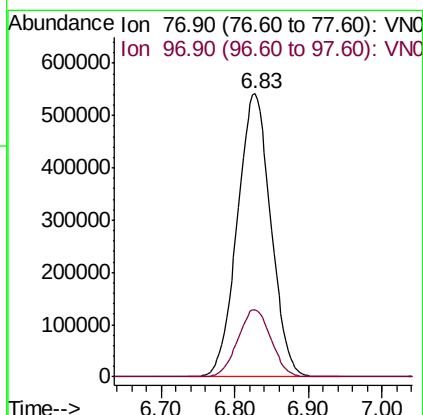
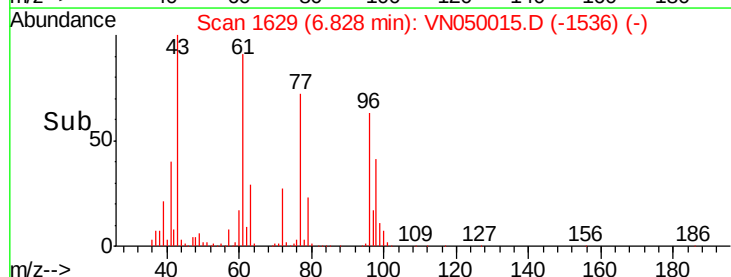
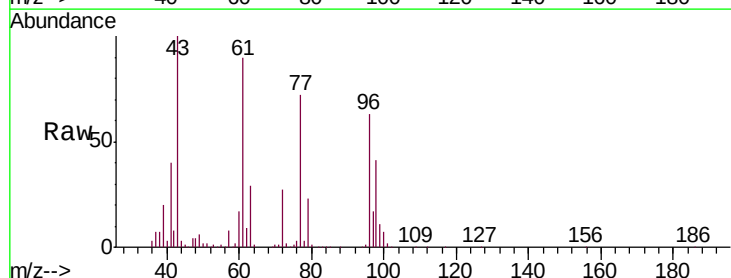
Acq: 23 Jul 2018 19:37

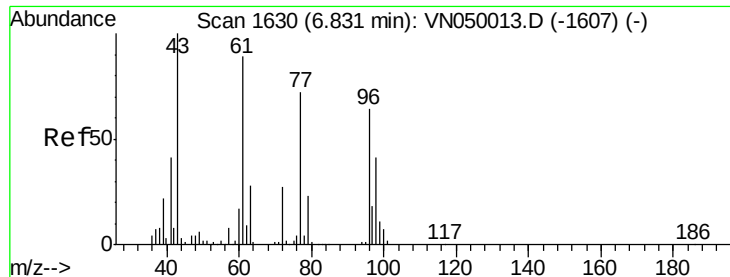
Tgt Ion: 77 Resp: 1713307

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 154.63 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1410064

Ion Ratio Lower Upper

96 100

61 142.2 0.0 285.0

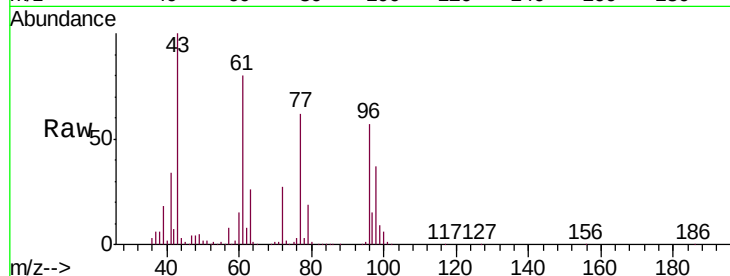
98 64.7 0.0 129.2

Manual Integrations

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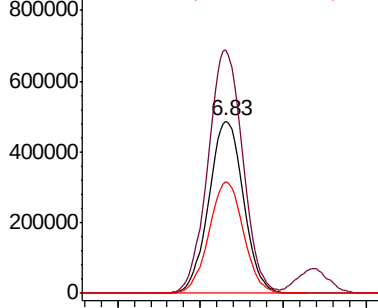
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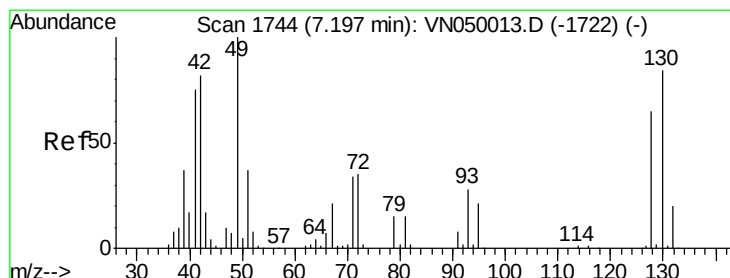
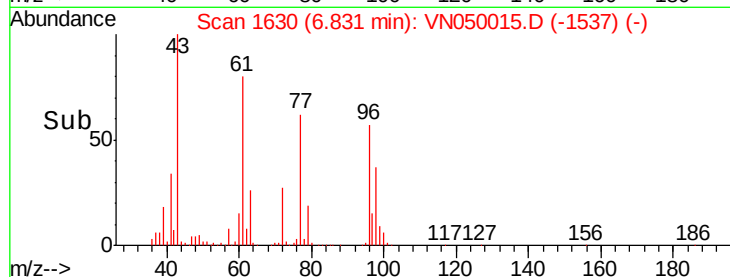
Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



Time-->



#28

Bromochloromethane

Concen: 145.31 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

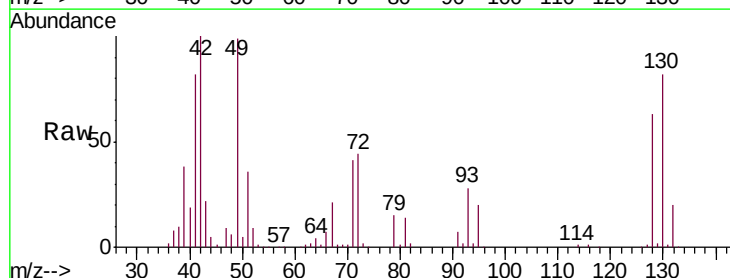
Tgt Ion: 49 Resp: 1055445

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

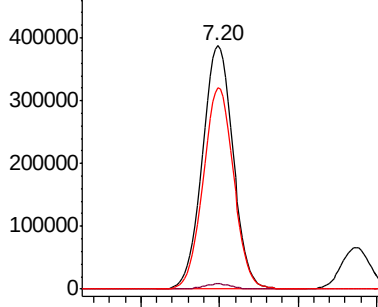
130 82.4 66.3 99.5



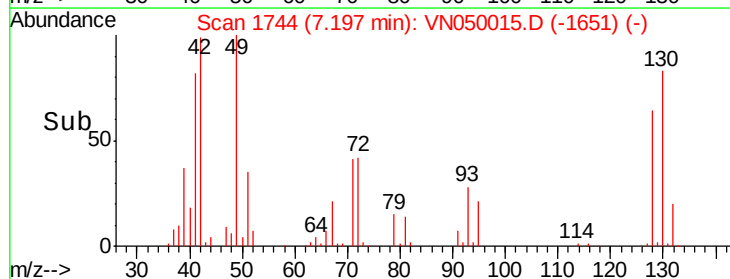
Abundance Ion 48.90 (48.60 to 49.60): VN0

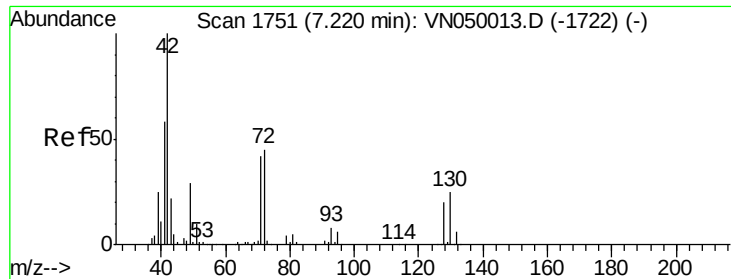
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->





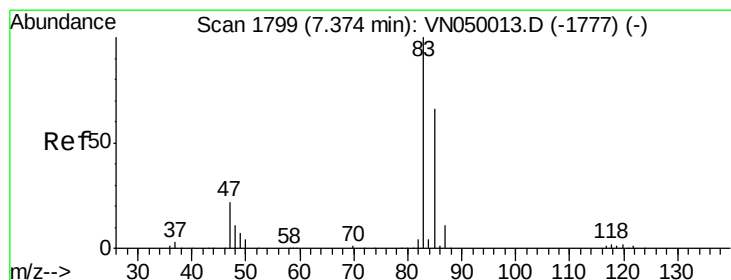
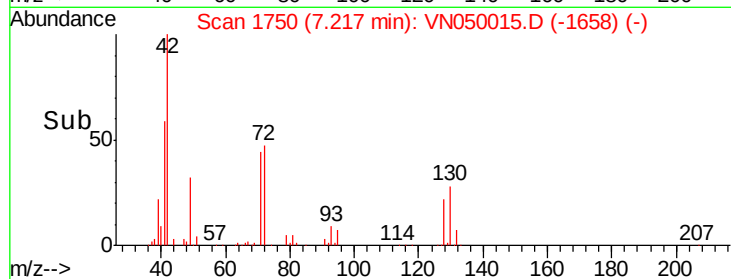
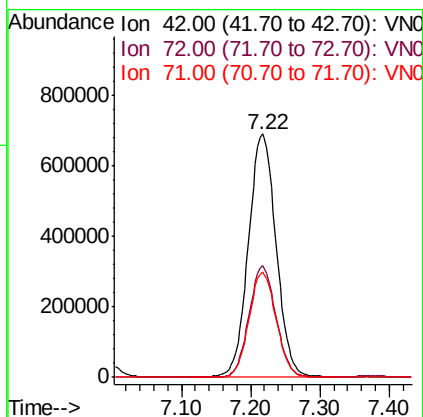
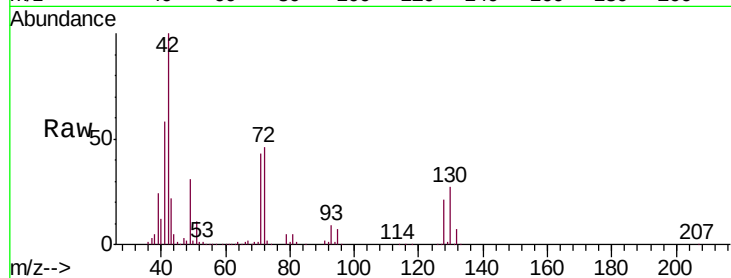
#29
Tetrahydrofuran
Concen: 827.74 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1913019
Ion Ratio Lower Upper
42 100
72 44.6 35.9 53.9
71 42.3 33.7 50.5

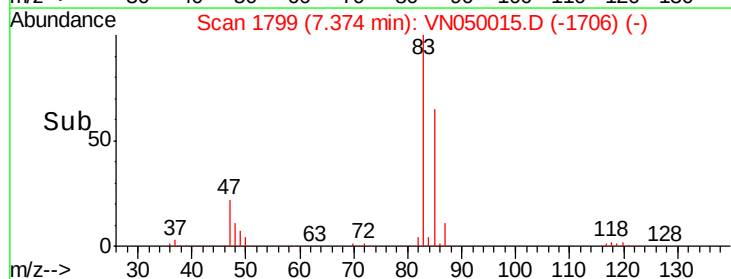
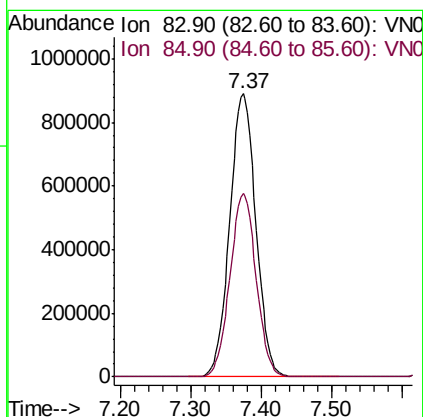
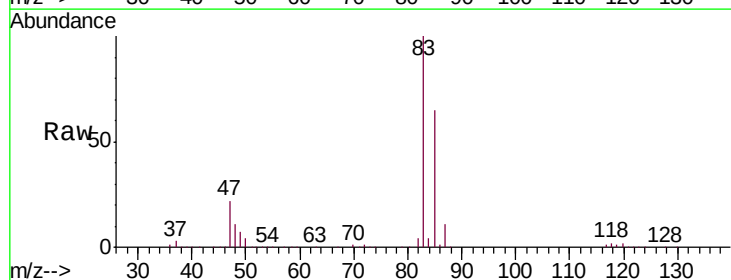
Manual Integrations
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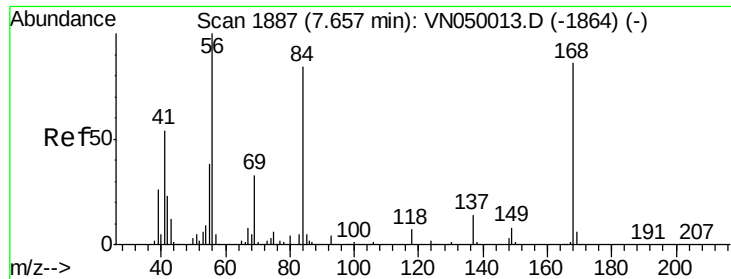
MMDadoda
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#30
Chloroform
Concen: 138.94 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 83 Resp: 2302587
Ion Ratio Lower Upper
83 100
85 65.0 52.5 78.7





#31

Cyclohexane

Concen: 136.77 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 2075361

Ion Ratio Lower Upper

56 100

69 31.2 26.2 39.4

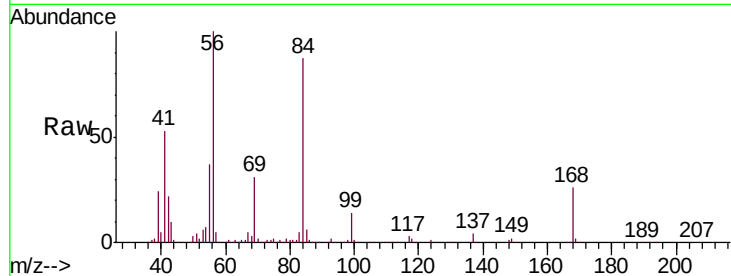
84 85.8 67.4 101.0

Manual Integrations

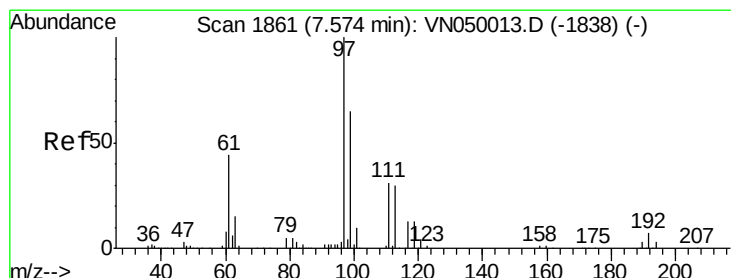
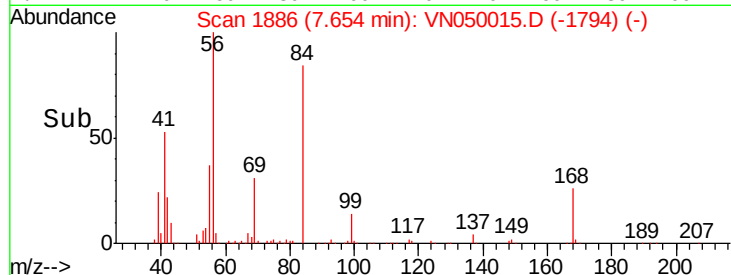
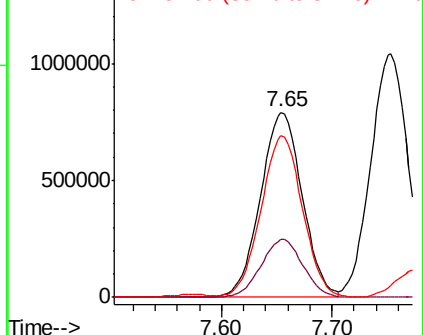
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 141.34 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

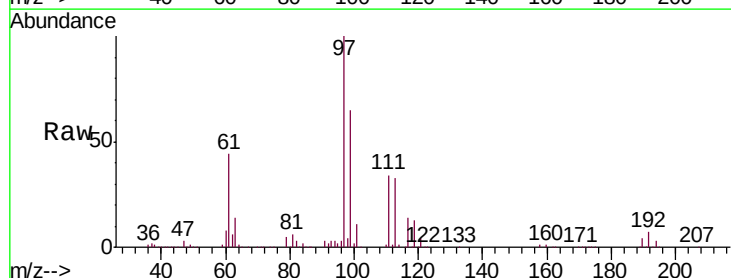
Tgt Ion: 97 Resp: 2028162

Ion Ratio Lower Upper

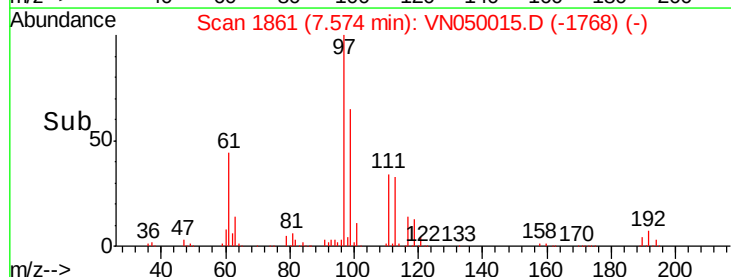
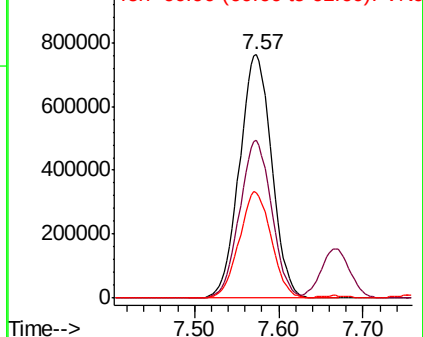
97 100

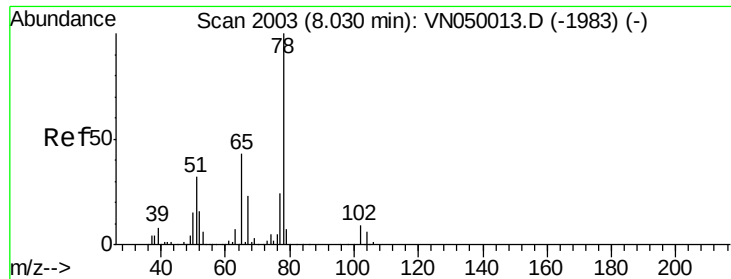
99 64.5 51.4 77.0

61 43.4 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





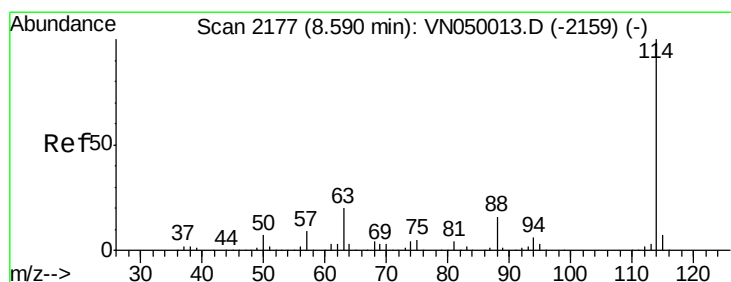
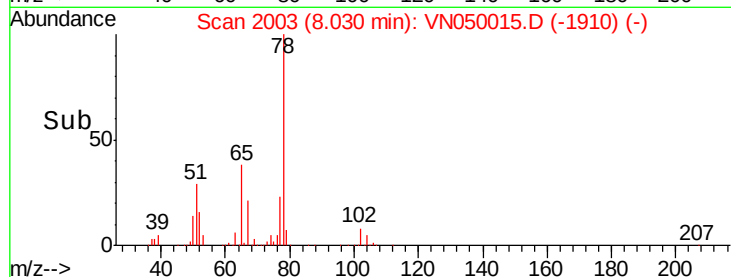
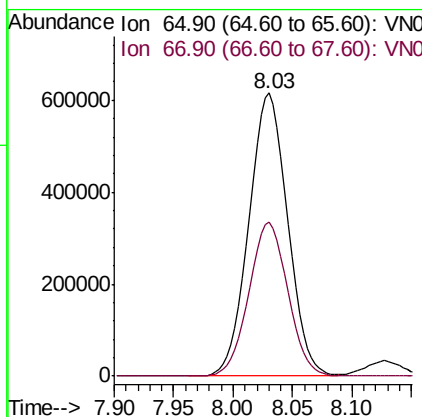
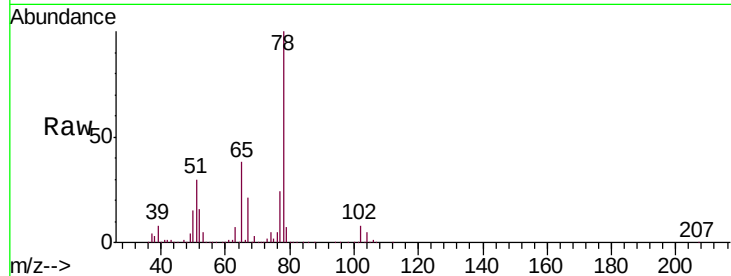
#33
 1,2-Dichloroethane-d4
 Concen: 141.01 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1390811
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.4

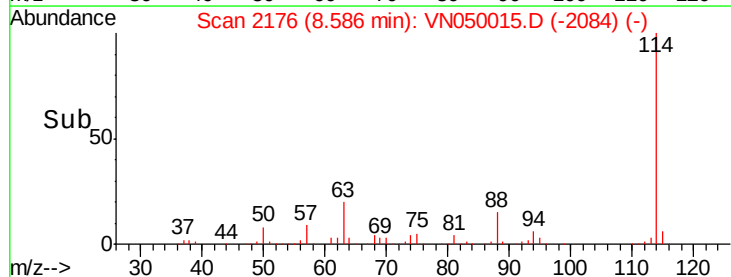
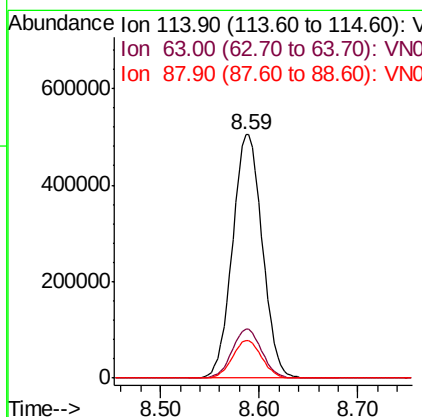
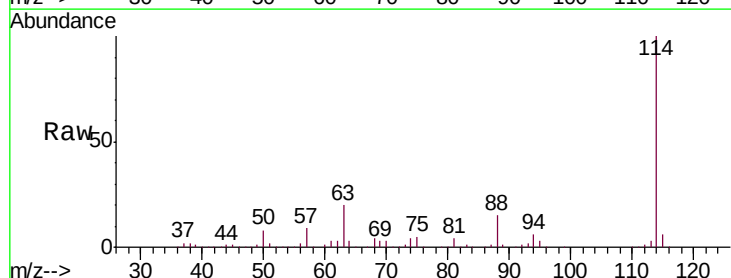
Manual Integrations
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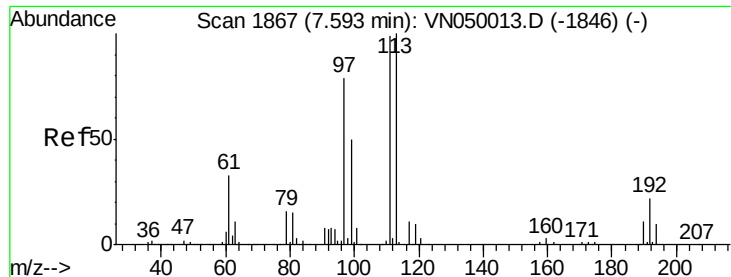
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Tgt Ion: 114 Resp: 1054328
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.4 0.0 31.2





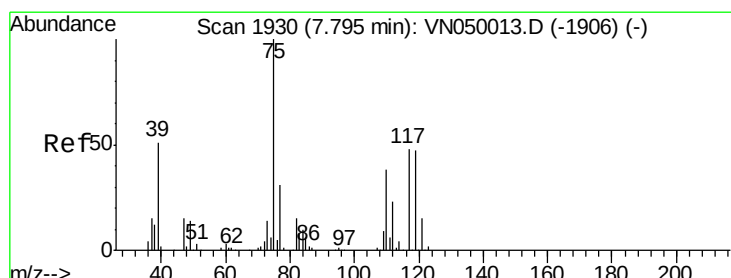
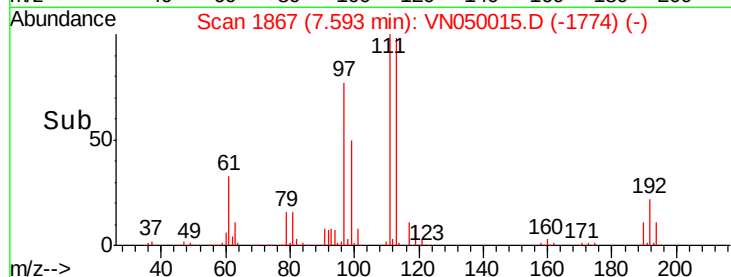
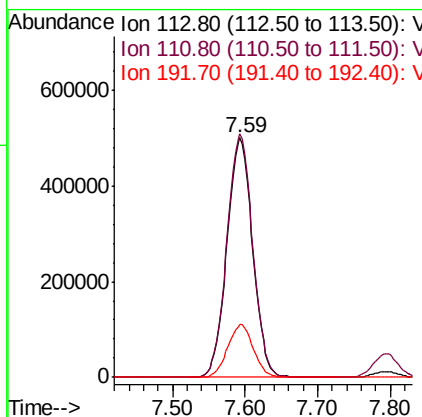
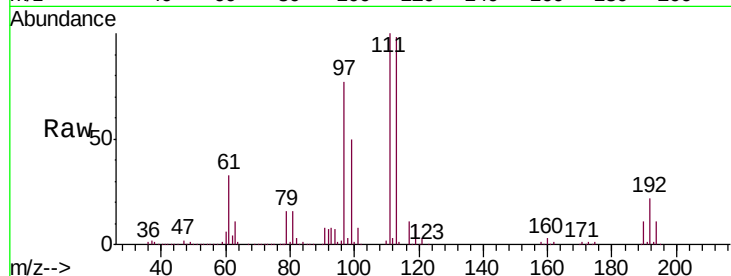
#35
 Dibromofluoromethane
 Concen: 139.28 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.7	121.1
192	22.1	17.8	26.6

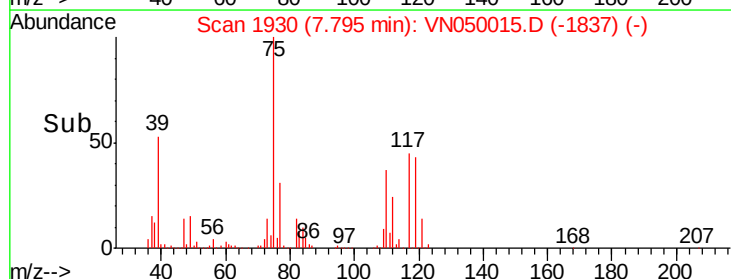
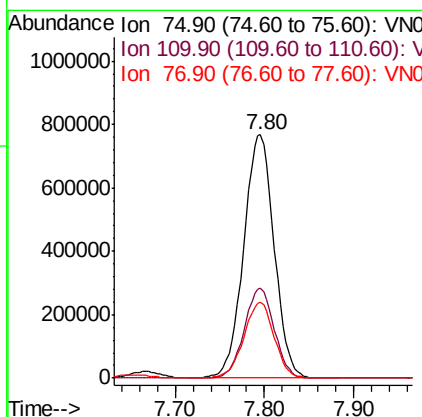
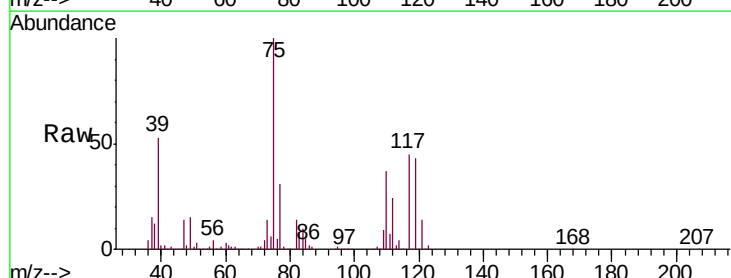
Manual Integrations
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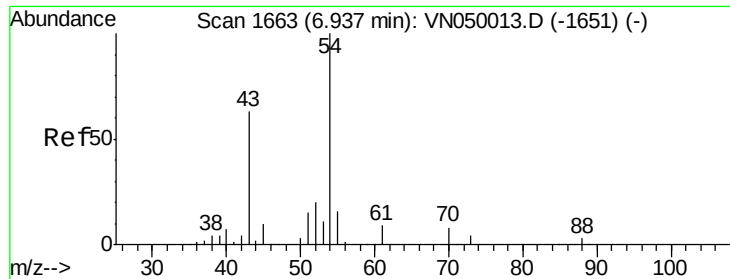
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#36
 1,1-Dichloropropene
 Concen: 154.18 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.4	55.2
77	31.2	25.3	37.9





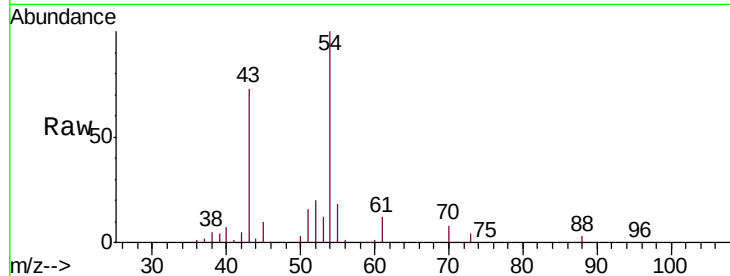
#37
Ethyl Acetate
Concen: 157.59 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

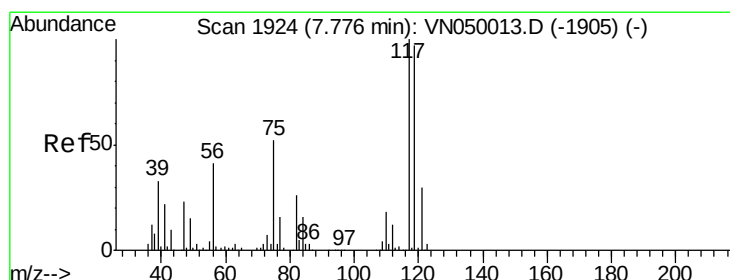
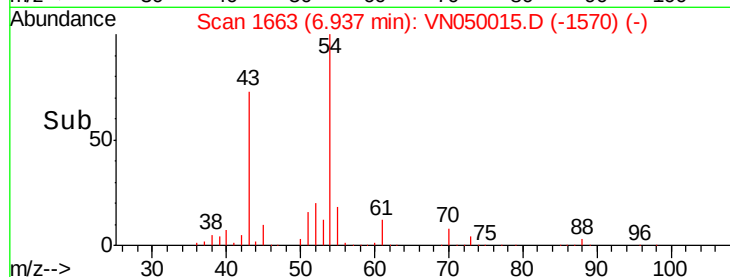
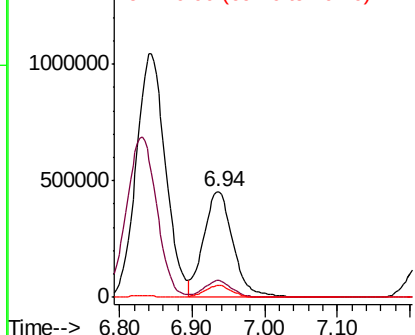
Tot Ion: 43 Resp: 1271190
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.8
70 10.7 8.4 12.6

Manual Integrations
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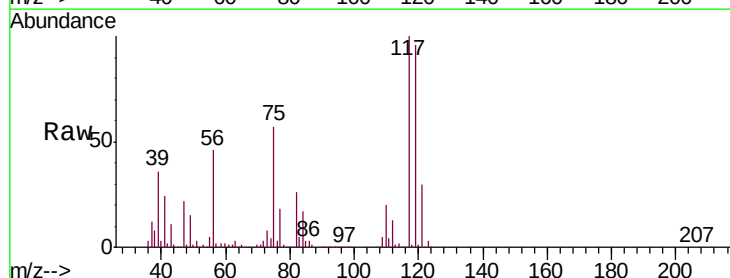


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

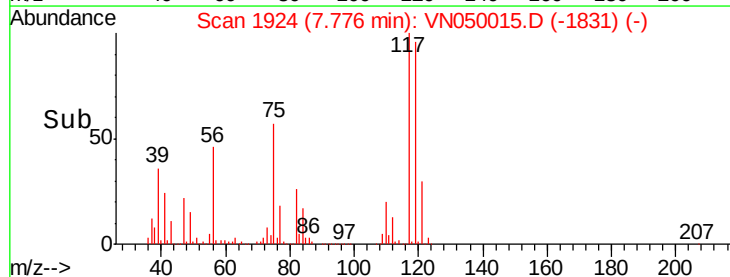
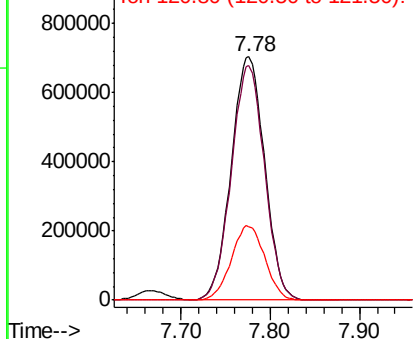


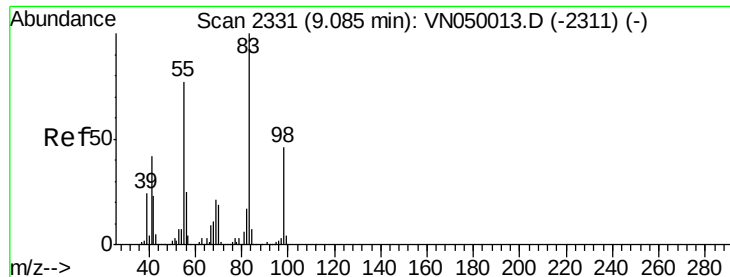
#38
Carbon Tetrachloride
Concen: 144.19 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 117 Resp: 1821853
Ion Ratio Lower Upper
117 100
119 96.4 77.4 116.0
121 30.4 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





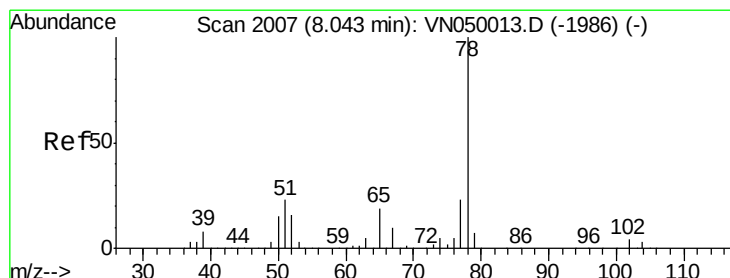
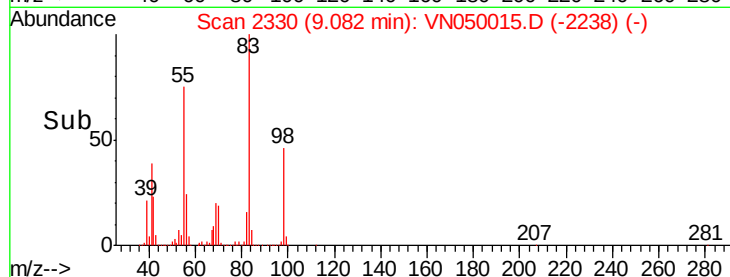
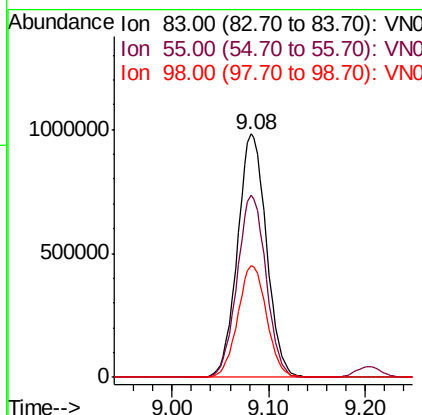
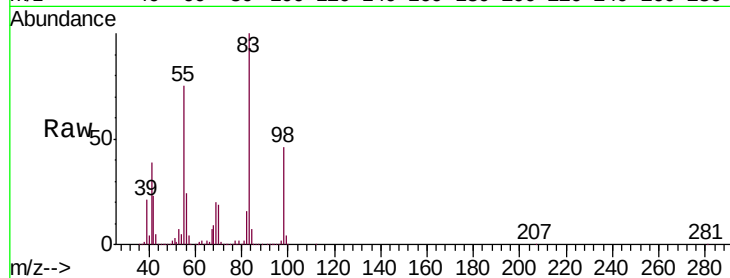
#39
Methylvlcyclohexane
Concen: 166.82 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	61.8	92.8
98	45.9	36.5	54.7

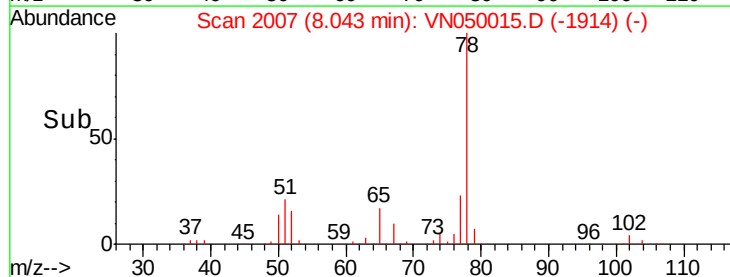
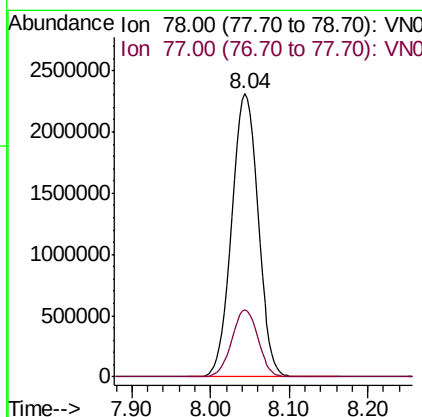
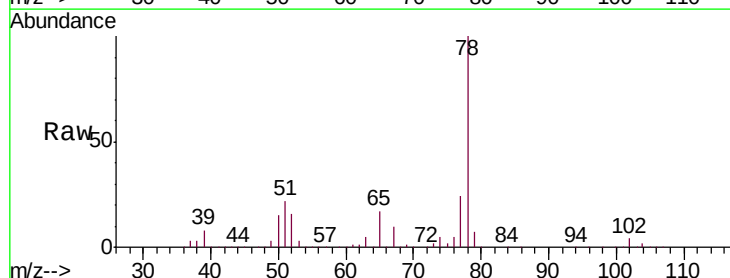
Manual Integrations
APPROVED

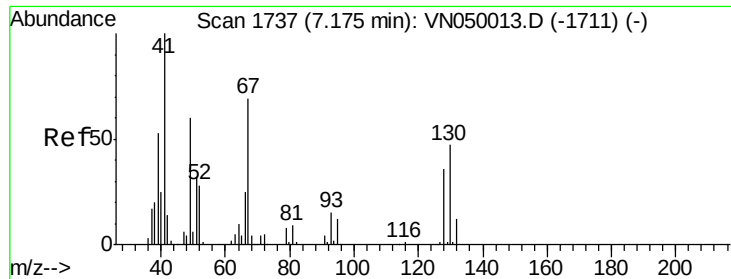
MMDadoda
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#40
Benzene
Concen: 150.14 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





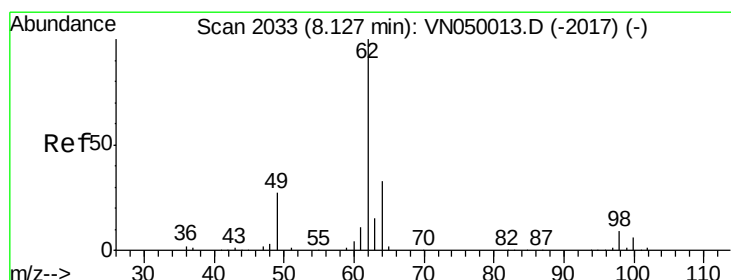
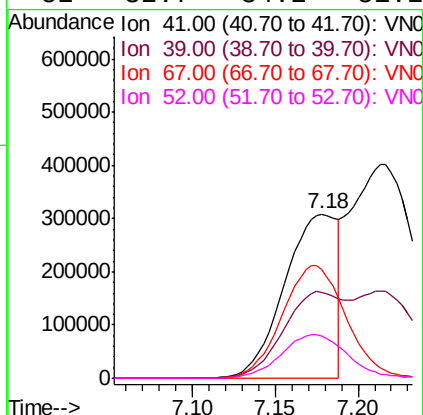
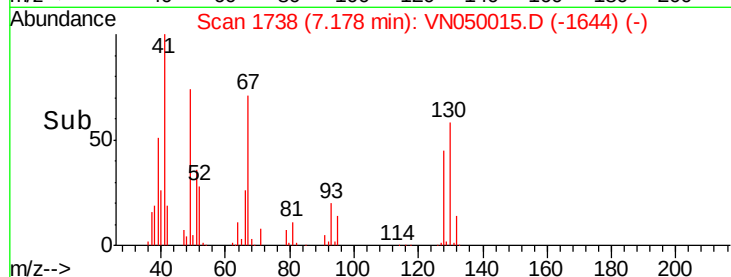
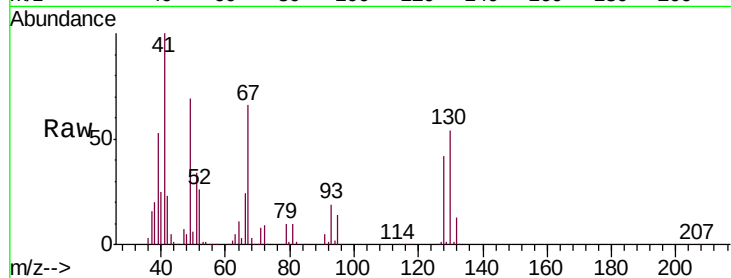
#41
Methacrylonitrile
Concen: 171.87 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.8	55.8	83.6
67	83.4	84.3	126.5#
52	32.7	34.2	51.2#

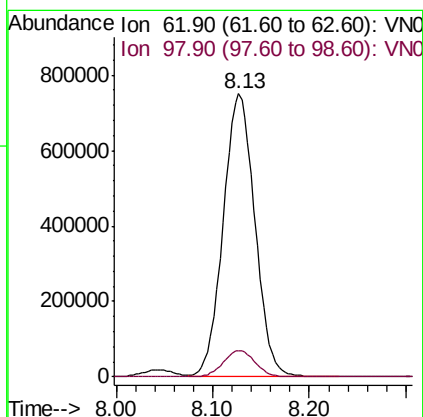
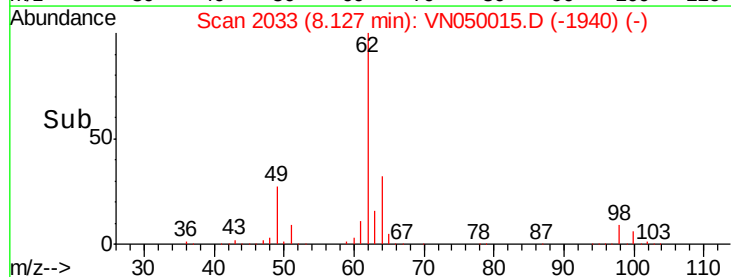
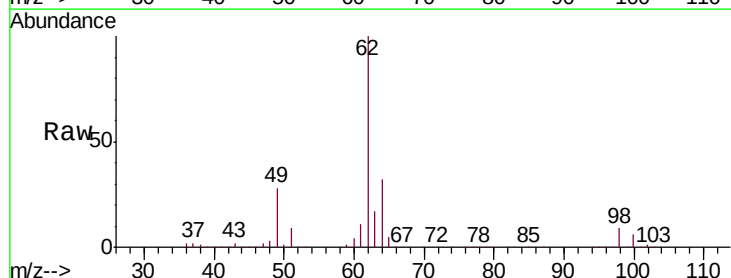
Manual Integrations
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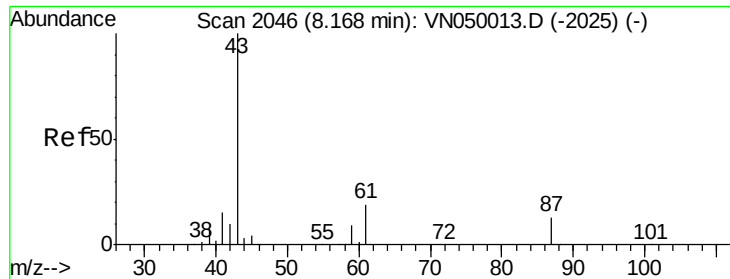
MMDadoda
7/26/2018 1:51:01 PM



#42
1,2-Dichloroethane
Concen: 143.37 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8





#43

Isopropyl Acetate

Concen: 162.97 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2313699

Ion Ratio Lower Upper

43 100

61 28.2 15.8 23.6#

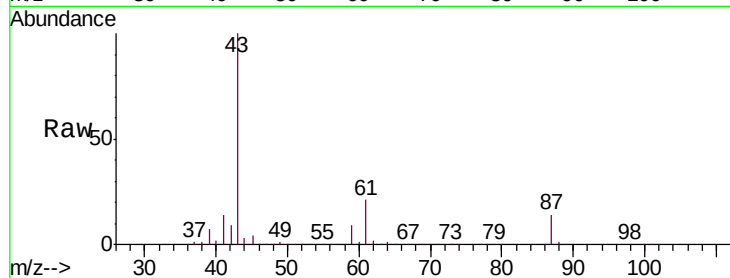
87 13.4 10.3 15.5

Manual Integrations

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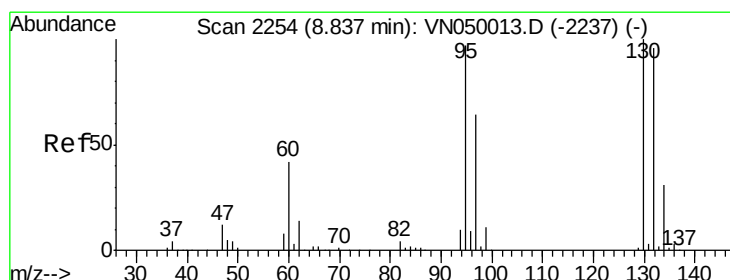
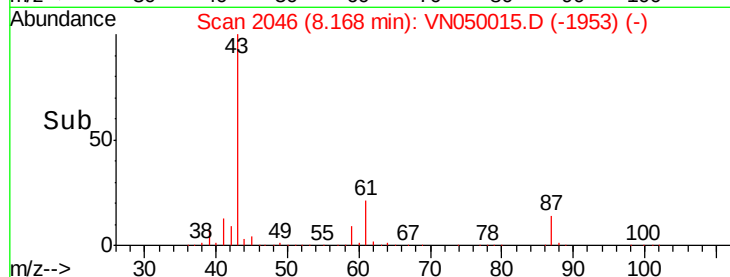
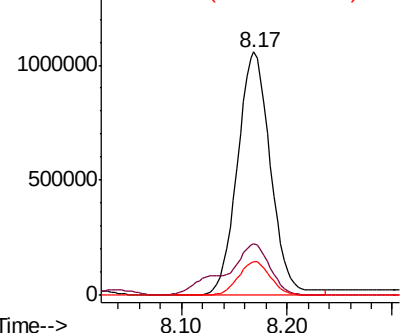
7/26/2018 1:51:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VN050013.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN050013.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN050013.D (-2025) (-)



#44

Trichloroethene

Concen: 148.62 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050015.D

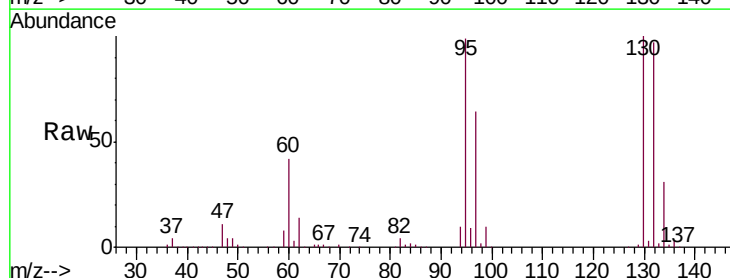
Acq: 23 Jul 2018 19:37

Tgt Ion:130 Resp: 1401265

Ion Ratio Lower Upper

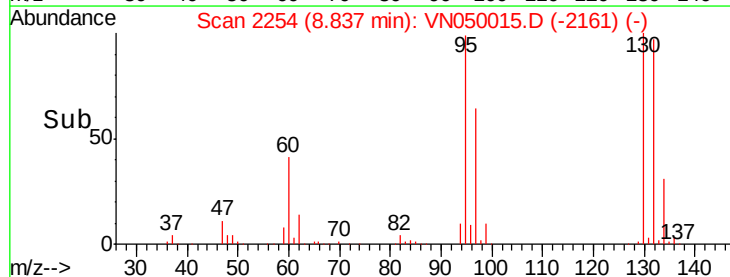
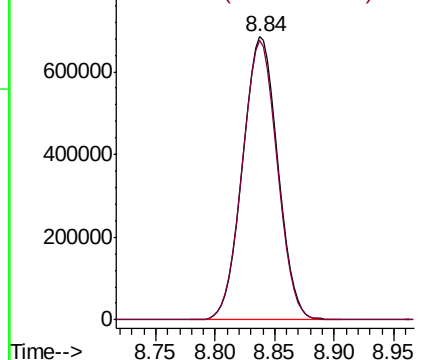
130 100

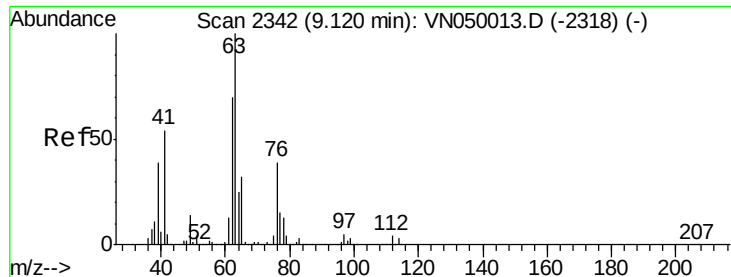
95 98.7 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050013.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050013.D (-2237) (-)





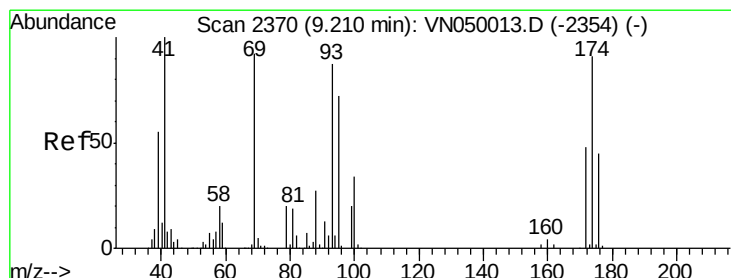
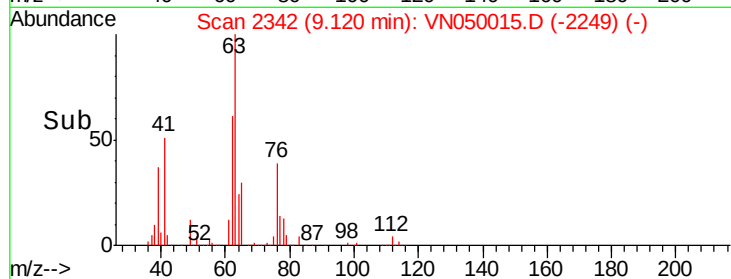
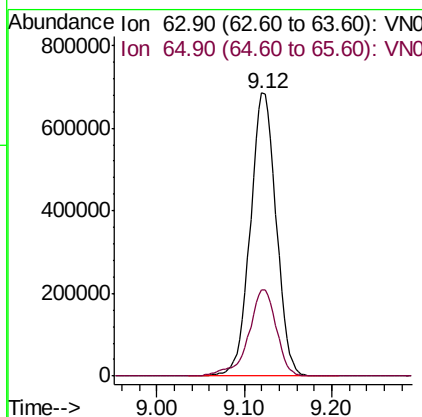
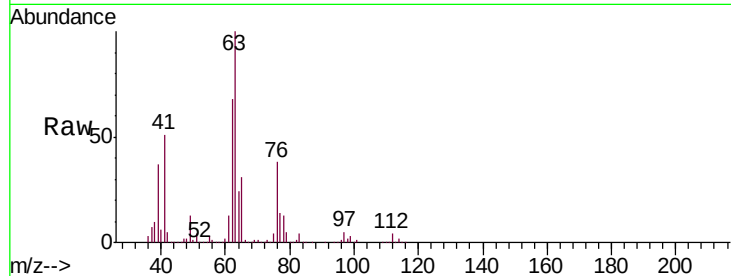
#45
 1,2-Dichloropropane
 Concen: 145.37 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1406161
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.5 38.3

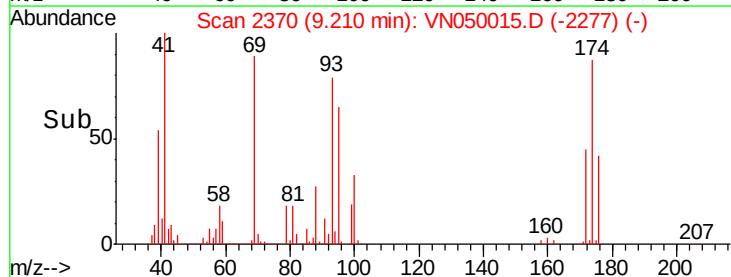
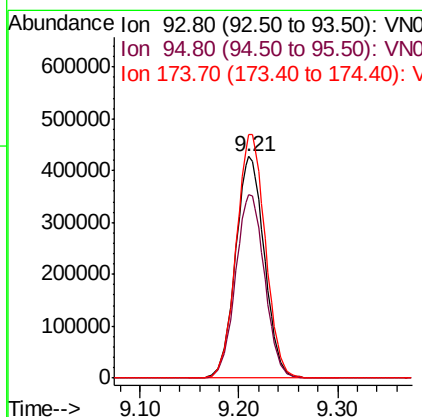
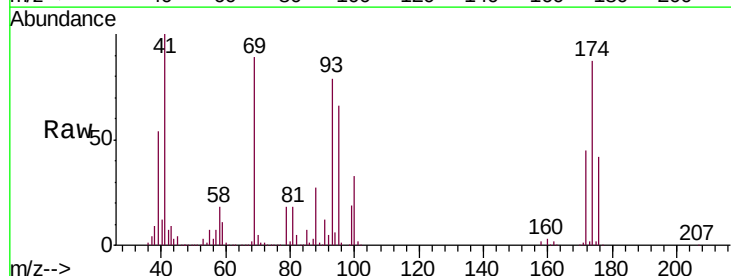
Manual Integrations
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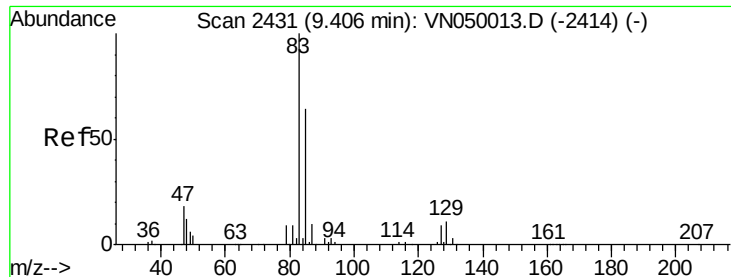
MMDadoda
 7/26/2018 1:51:01 PM



#46
 Dibromomethane
 Concen: 143.97 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Tgt Ion: 93 Resp: 864075
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 110.9 87.1 130.7





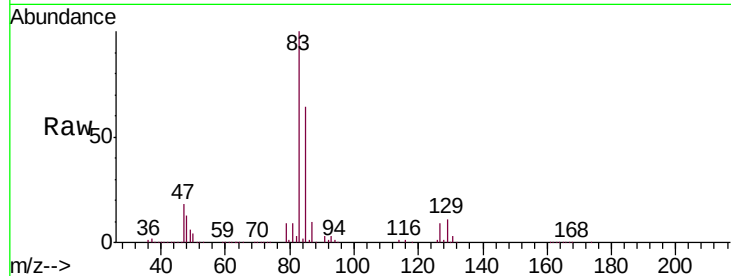
#47
Bromodichloromethane
Concen: 147.65 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	85	127
Resp	1830758		
Ratio	100	64.2	8.9
Lower		51.1	7.0
Upper		76.7	10.4

Manual Integrations
APPROVED

MMDadoda
7/26/2018 1:51:01 PM

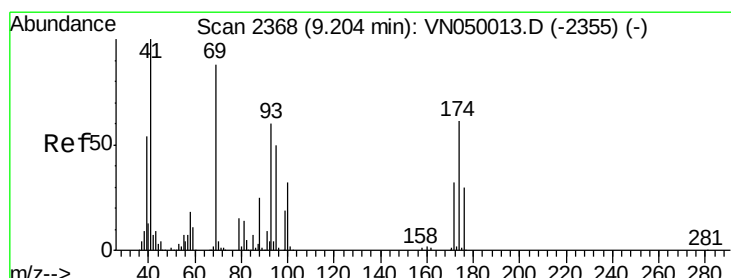
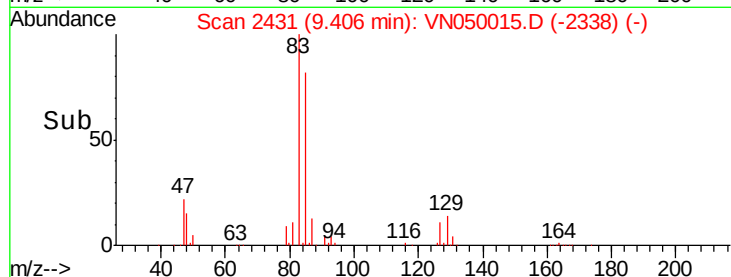
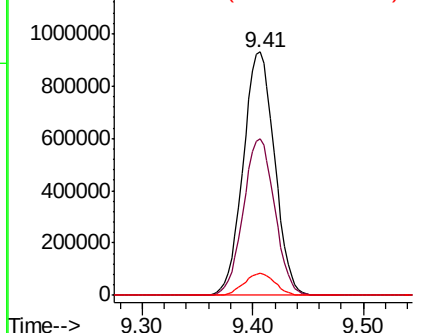


Abundance

Ion 82.90 (82.60 to 83.60): VNO

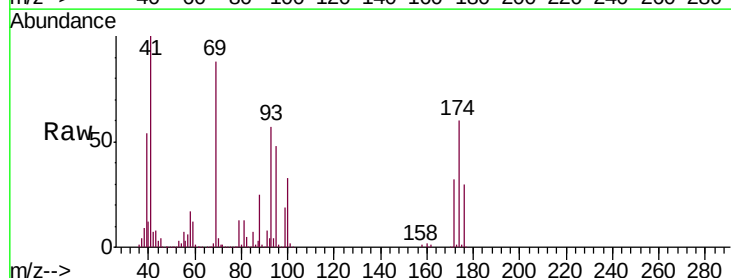
Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO



#48
Methyl methacrylate
Concen: 167.81 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion	41	69	39
Resp	1195529		
Ratio	100	88.6	54.1
Lower		70.6	43.9
Upper		105.8	65.9

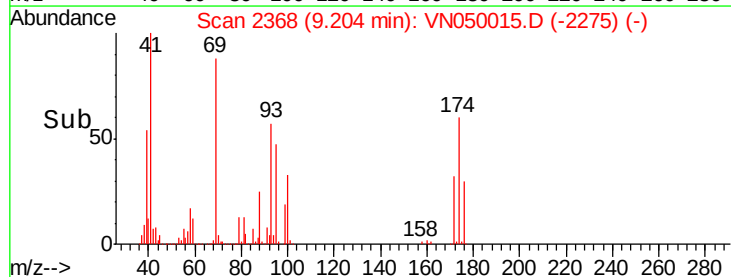
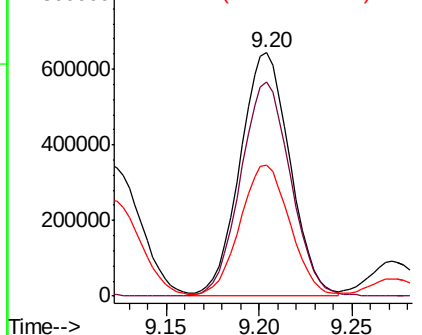


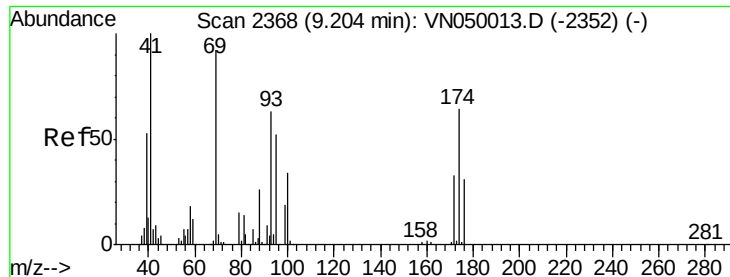
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





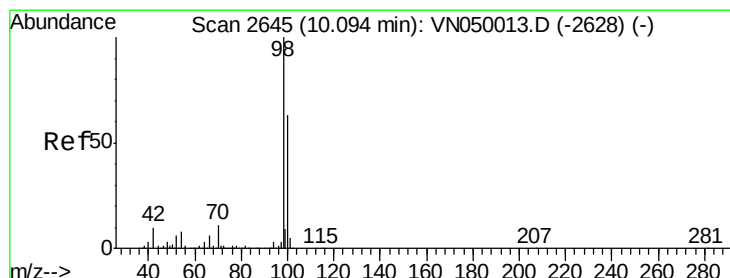
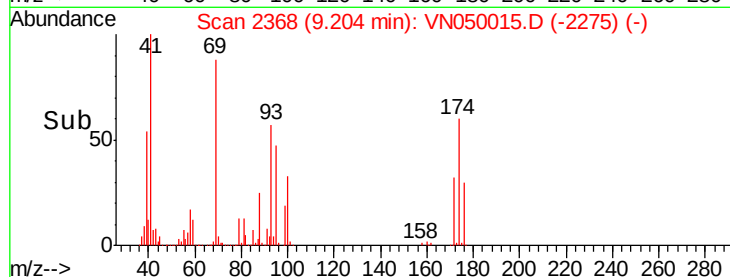
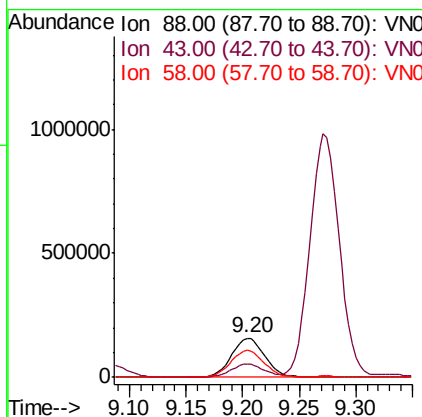
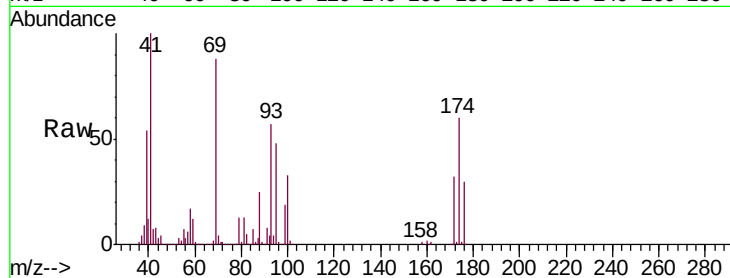
#49
1,4-Dioxane
Concen: 3271.11 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.9	40.3
58	69.0	57.3	85.9

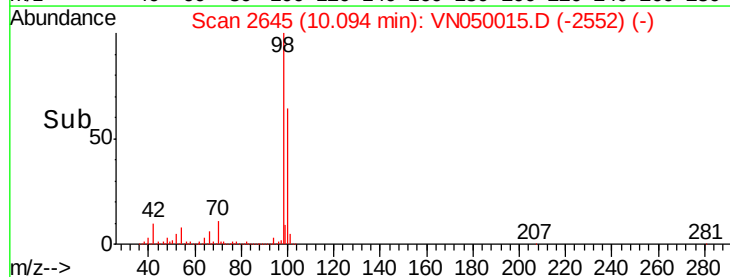
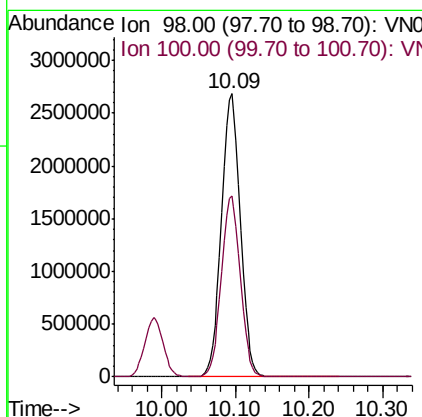
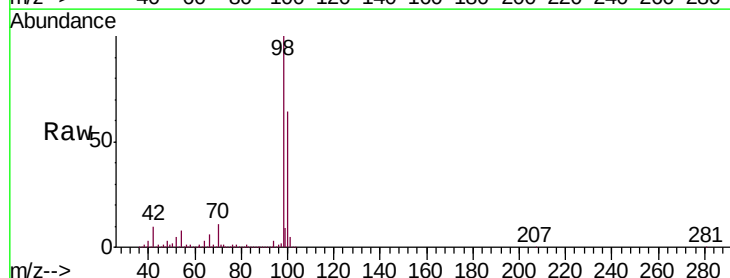
Manual Integrations
APPROVED

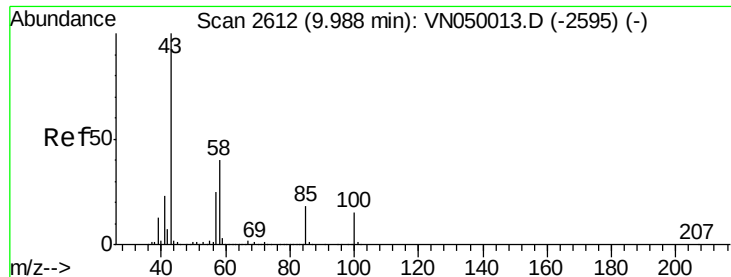
MMDadoda
7/26/2018 1:51:01 PM



#50
Toluene-d8
Concen: 148.80 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.7	76.1





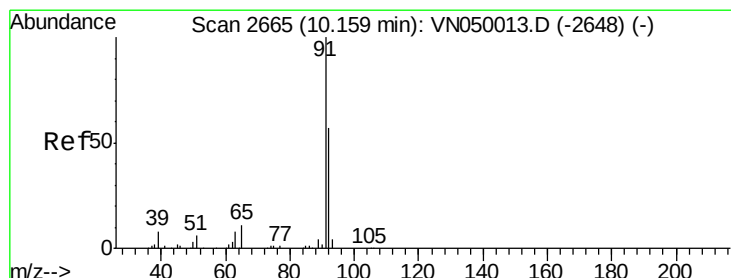
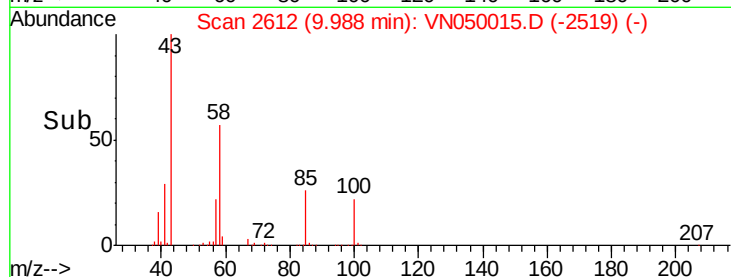
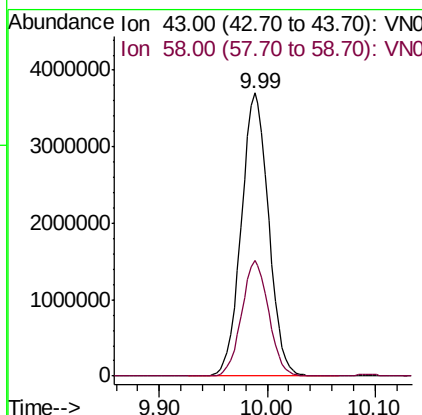
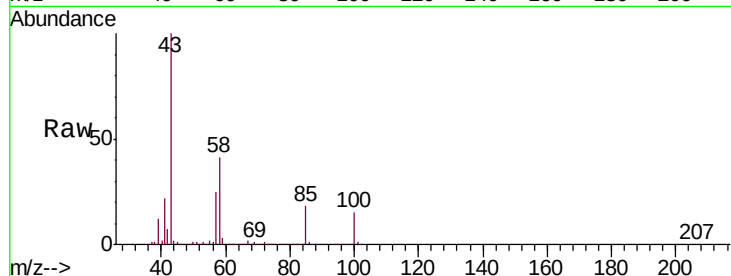
#51
4-Methyl-2-Pentanone
Concen: 824.66 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 6514510
Ion Ratio Lower Upper
43 100
58 40.5 31.9 47.9

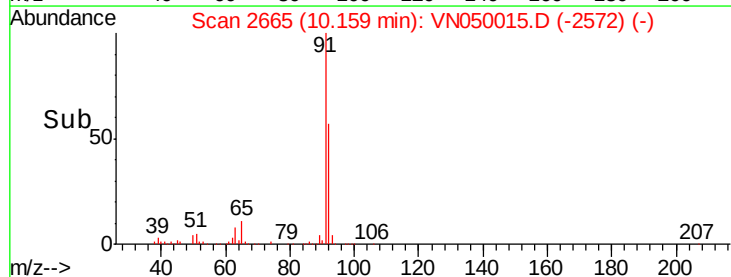
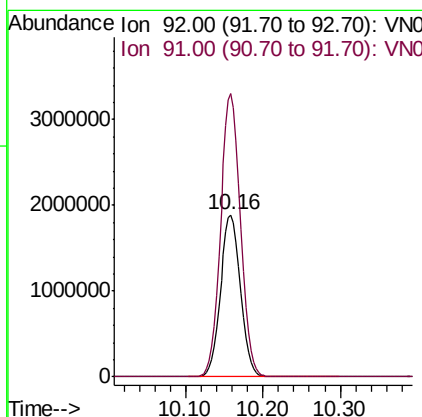
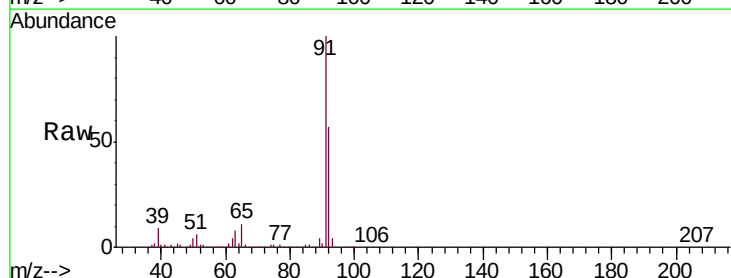
Manual Integrations
APPROVED

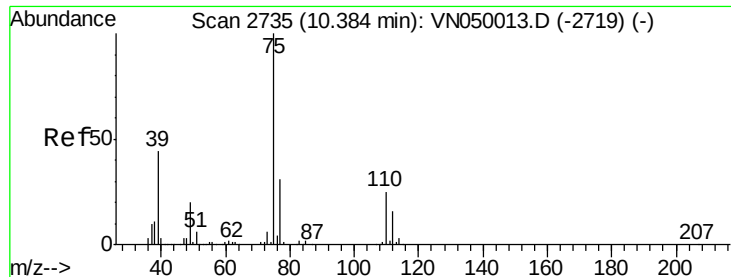
MMDadoda
7/26/2018 1:51:01 PM



#52
Toluene
Concen: 158.54 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 92 Resp: 3393814
Ion Ratio Lower Upper
92 100
91 174.3 140.3 210.5





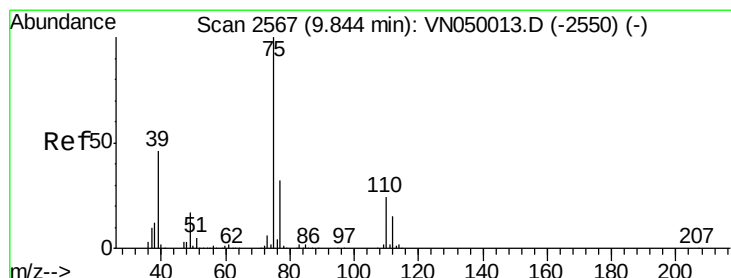
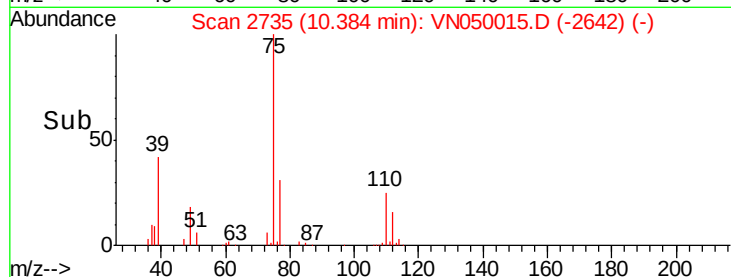
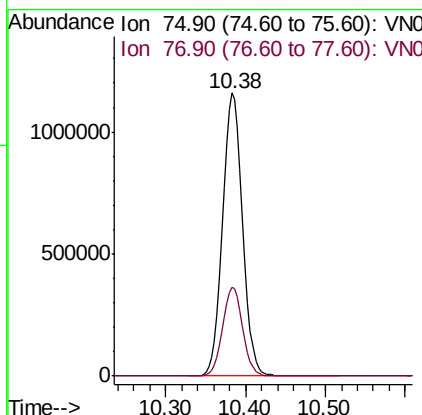
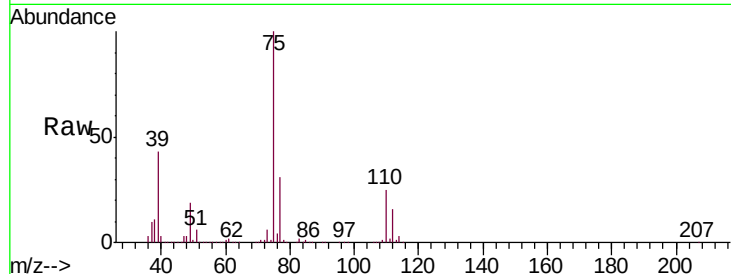
#53
t-1,3-Dichloropropene
Concen: 163.43 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 75 Resp: 1998215
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3

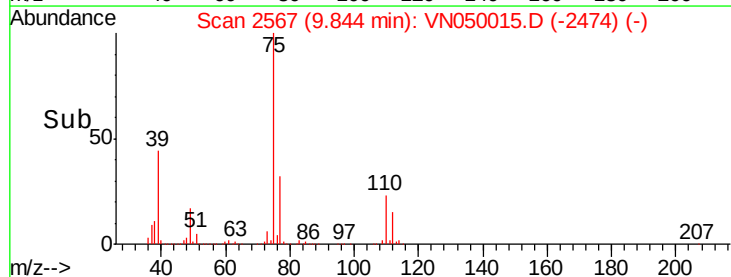
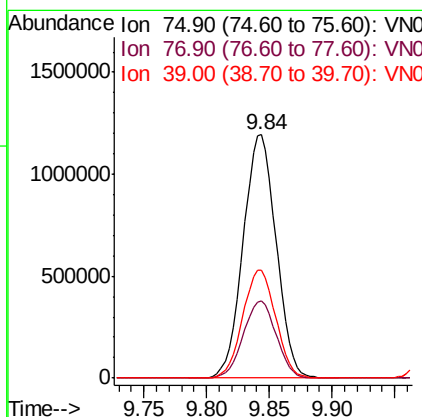
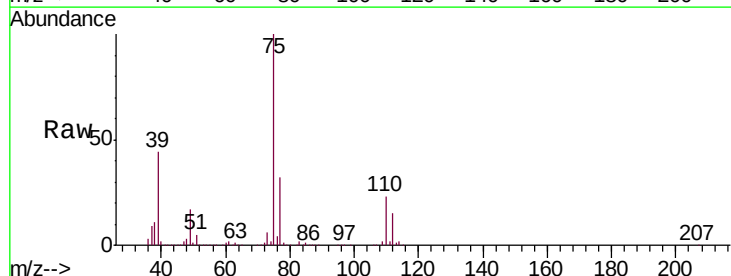
Manual Integrations
APPROVED

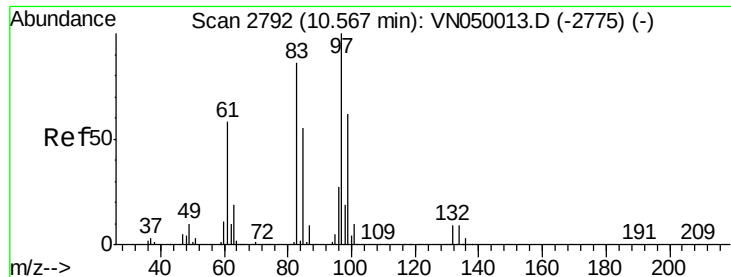
MMDadoda
7/26/2018 1:51:01 PM



#54
cis-1,3-Dichloropropene
Concen: 161.65 ug/l
RT: 9.84 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 75 Resp: 2188542
Ion Ratio Lower Upper
75 100
77 31.7 25.5 38.3
39 44.1 36.6 55.0





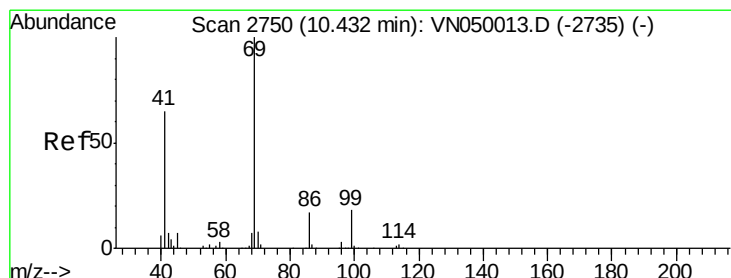
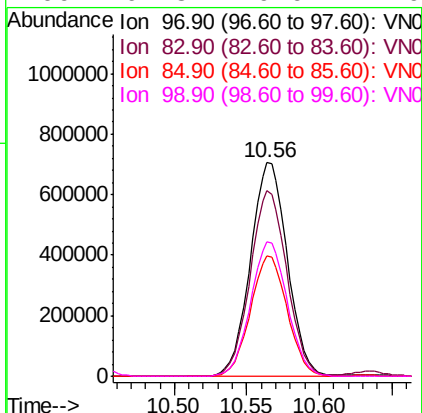
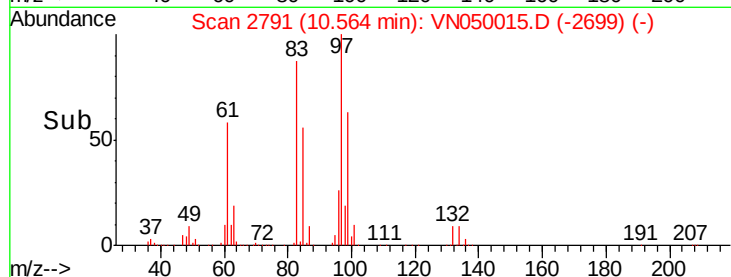
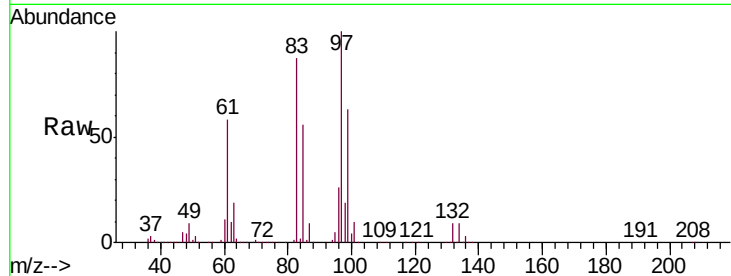
#55
 1,1,2-Trichloroethane
 Concen: 141.97 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.8	69.2	103.8	
85	56.1	44.0	66.0	
99	62.8	49.9	74.9	

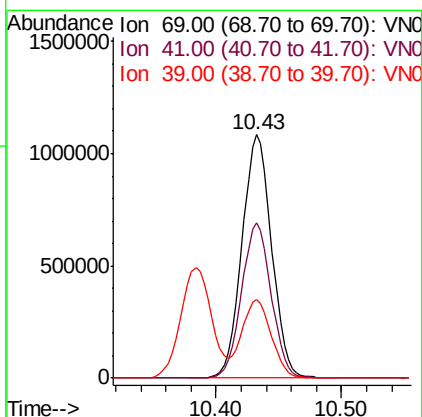
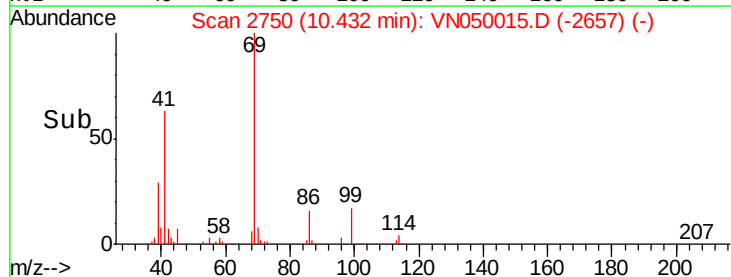
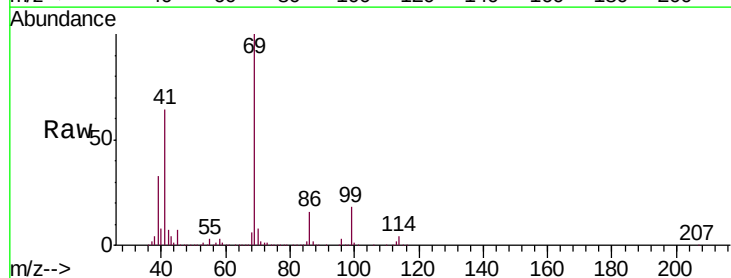
Manual Integrations
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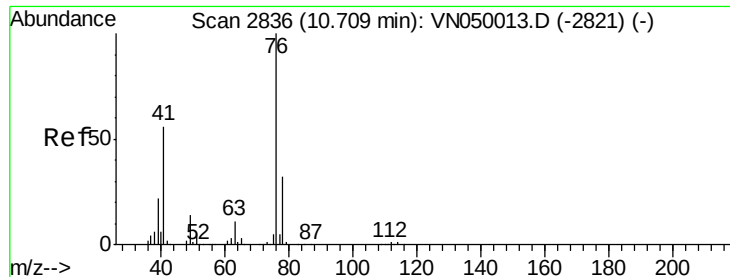
MMDadoda
 7/26/2018 1:51:01 PM



#56
 Ethyl methacrylate
 Concen: 174.05 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	63.4	51.0	76.4	
39	32.2	26.6	40.0	





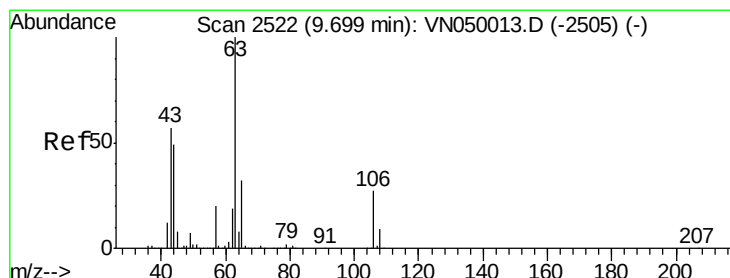
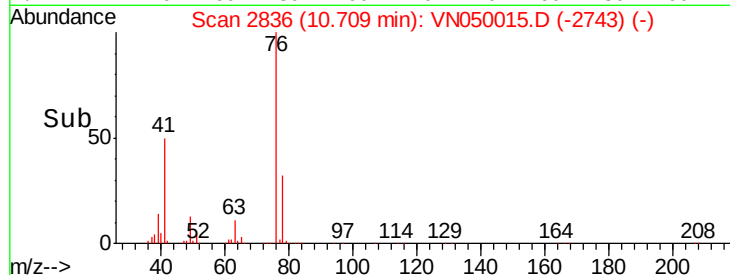
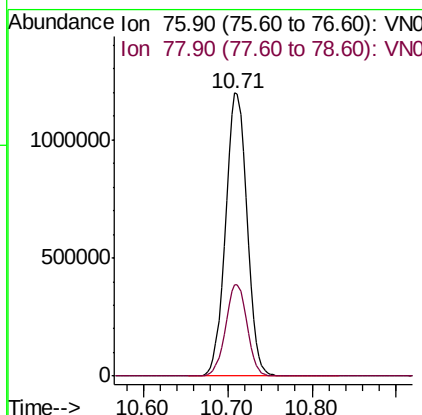
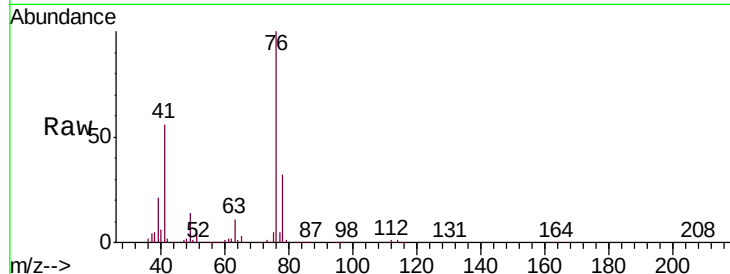
#57
 1,3-Dichloropropane
 Concen: 151.98 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 2113723
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

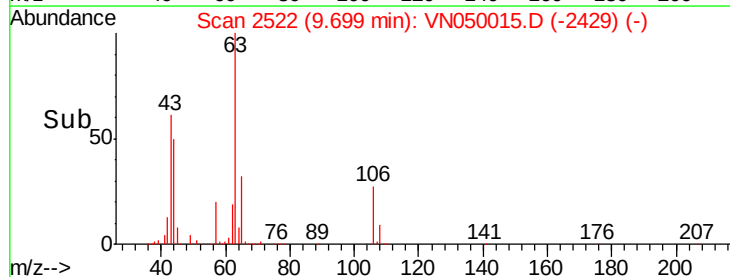
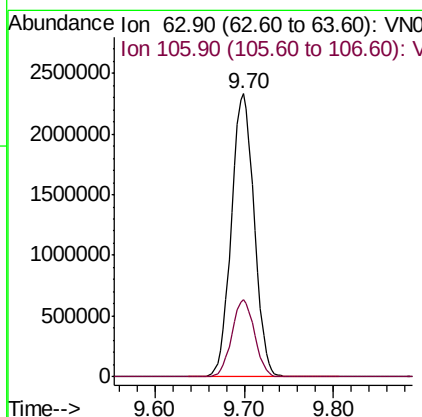
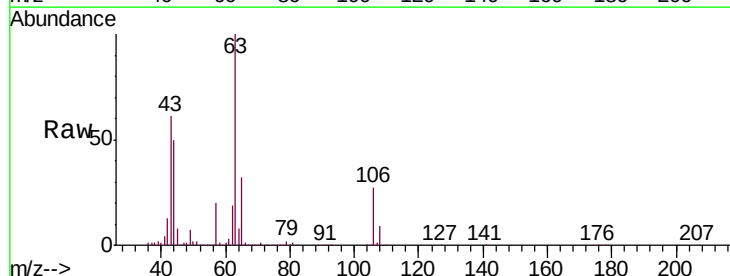
Manual Integrations
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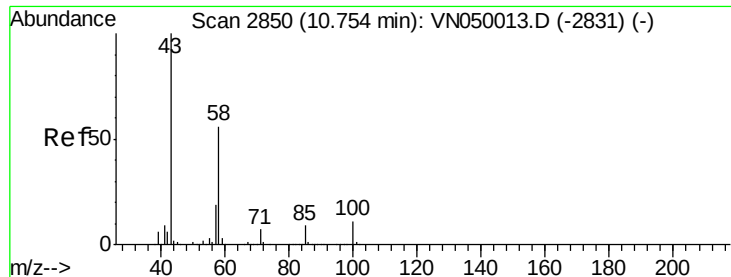
MMDadoda
 7/26/2018 1:51:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 883.52 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Tgt Ion: 63 Resp: 4124626
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.7 32.5





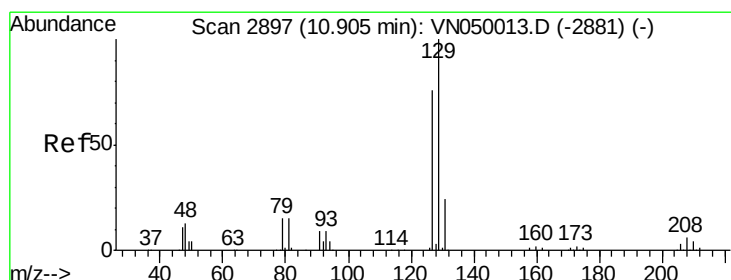
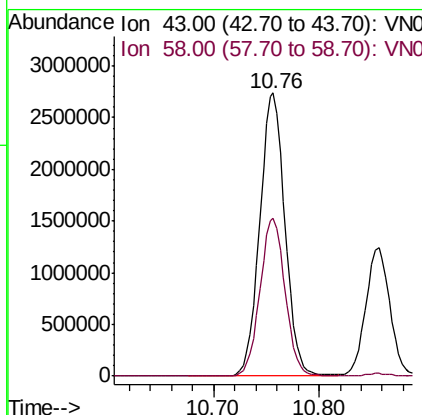
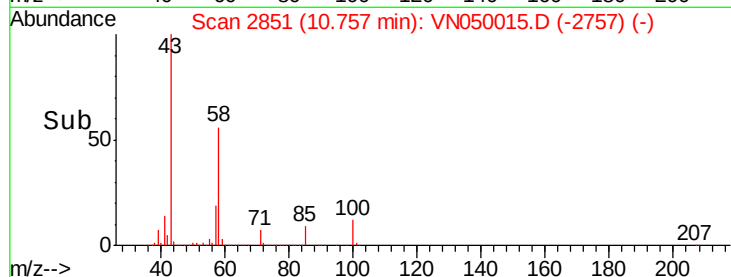
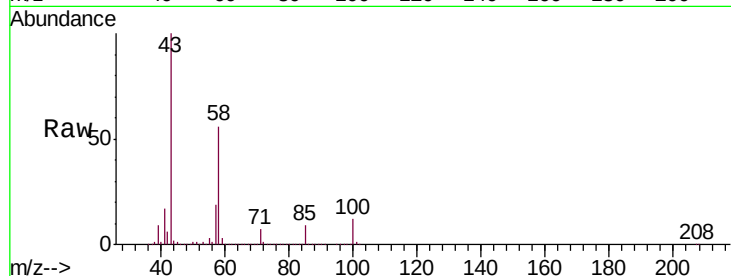
#59
2-Hexanone
Concen: 860.67 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4560130
Ion Ratio Lower Upper
43 100
58 56.0 27.6 82.7

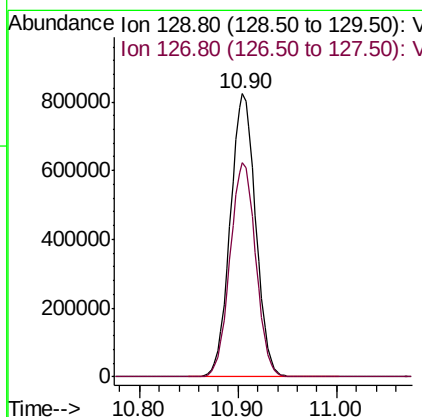
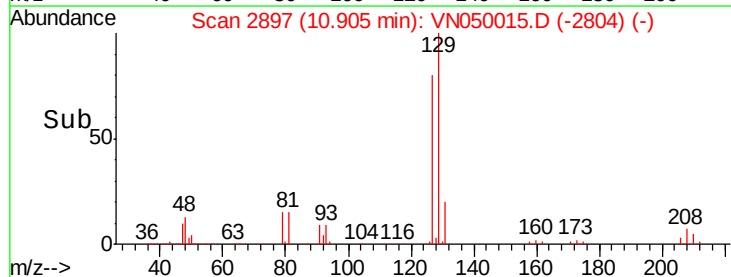
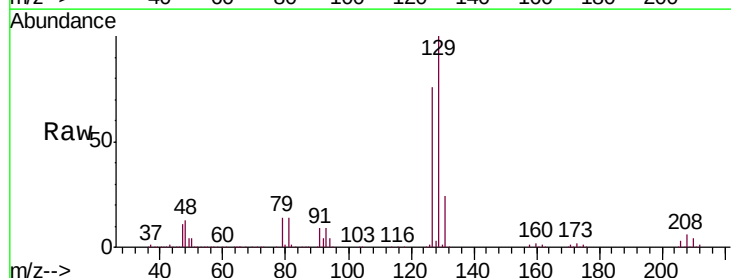
Manual Integrations
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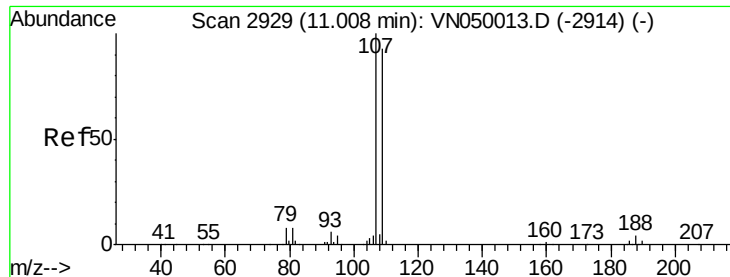
MMDadoda
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#60
Dibromochloromethane
Concen: 152.06 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 129 Resp: 1469091
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9





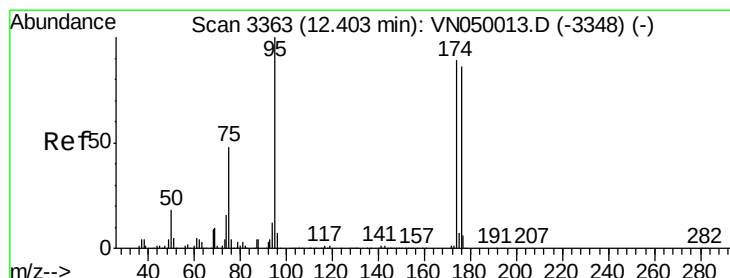
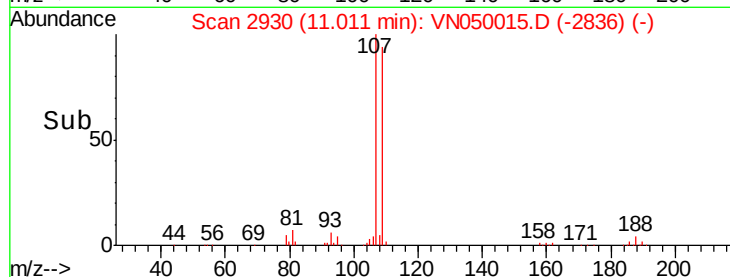
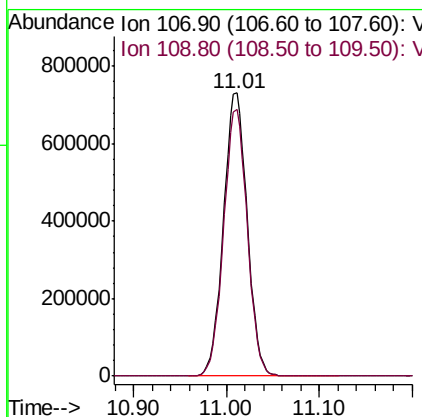
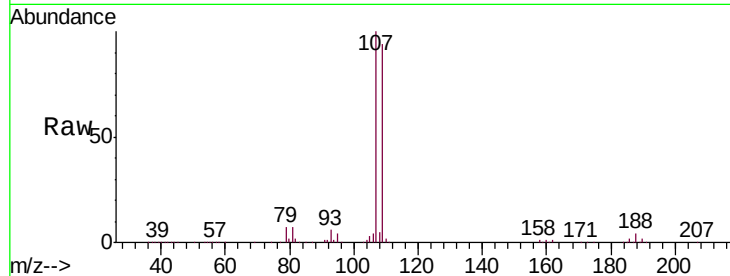
#61
 1,2-Dibromoethane
 Concen: 157.19 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 107 Resp: 1297661
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.6 112.0

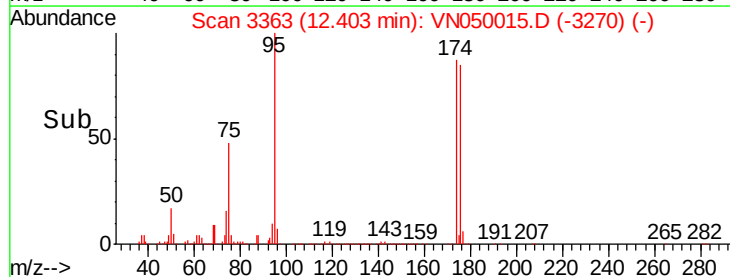
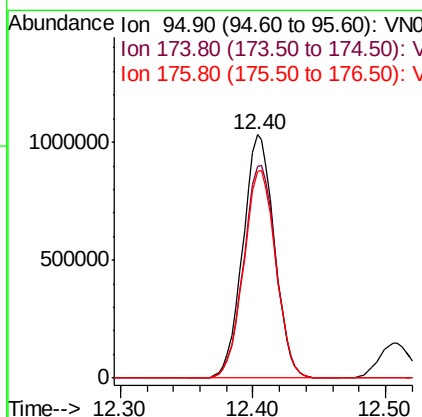
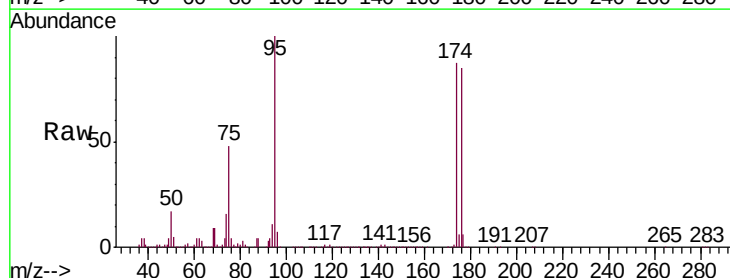
Manual Integrations
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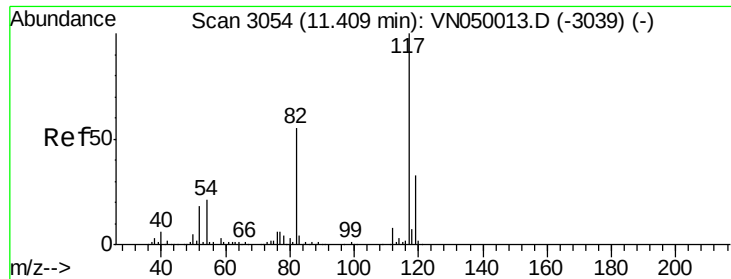
MMDadoda
 7/26/2018 1:51:01 PM



#62
 4-Bromofluorobenzene
 Concen: 154.83 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Tgt Ion: 95 Resp: 1706703
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 178.2
 176 86.7 0.0 173.4





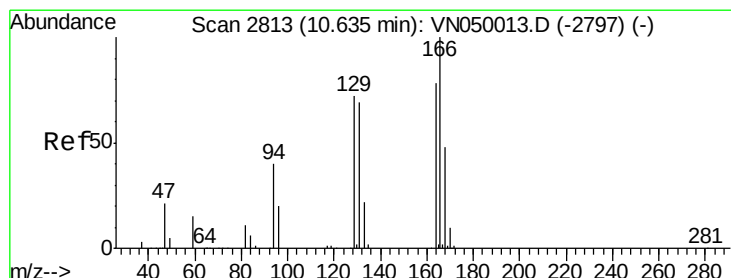
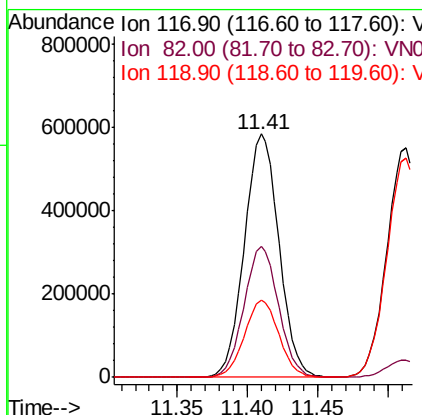
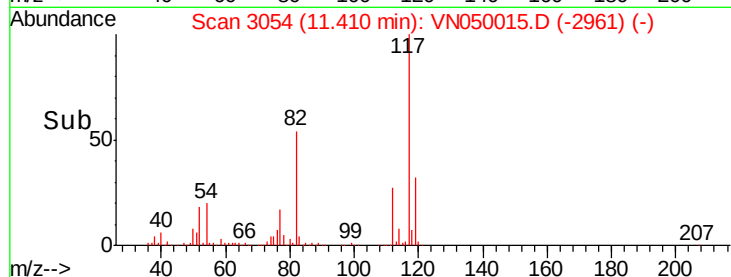
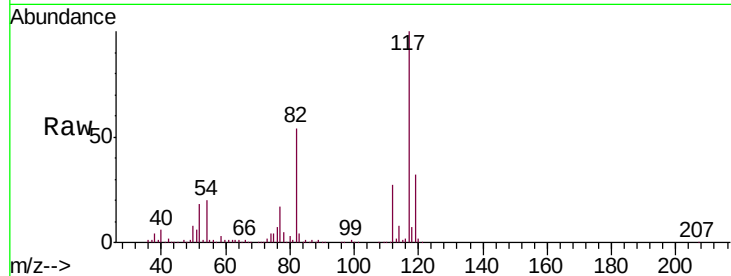
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 1001169
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 31.7 26.1 39.1

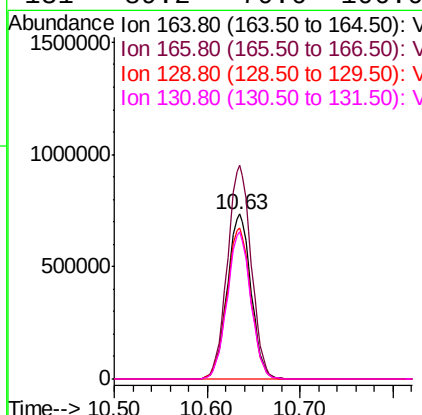
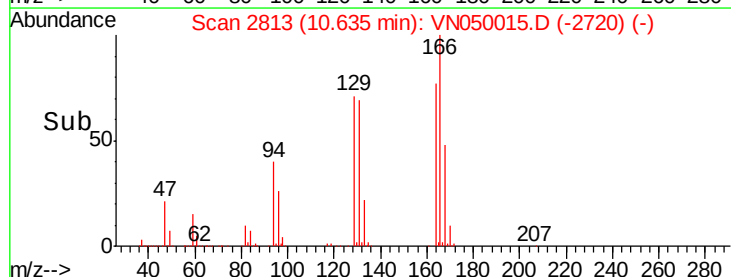
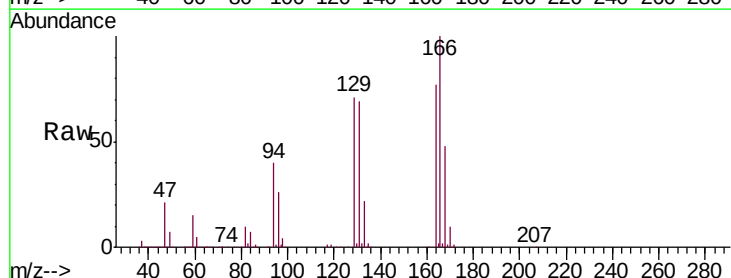
Manual Integrations
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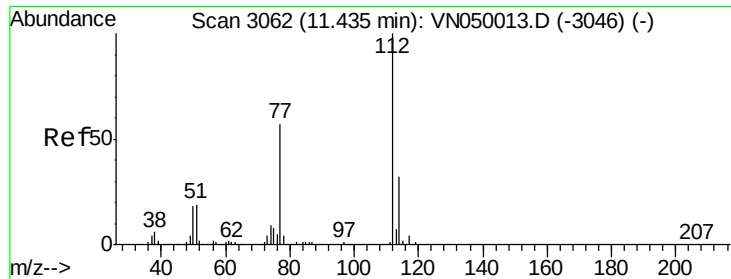
MMDadoda
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#64
Tetrachloroethene
Concen: 142.41 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion:164 Resp: 1304383
Ion Ratio Lower Upper
164 100
166 129.8 102.1 153.1
129 91.8 73.2 109.8
131 89.2 70.6 106.0





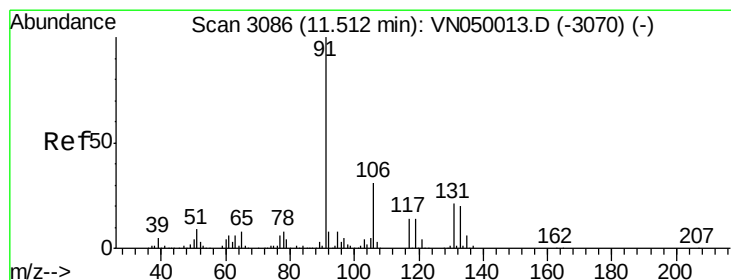
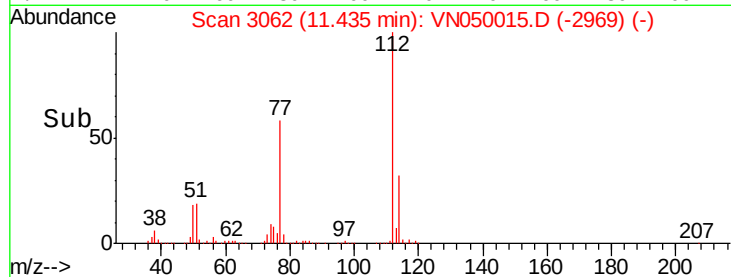
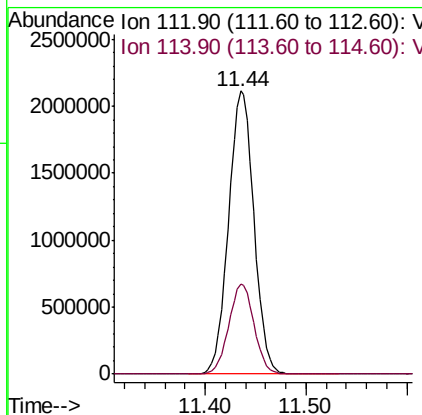
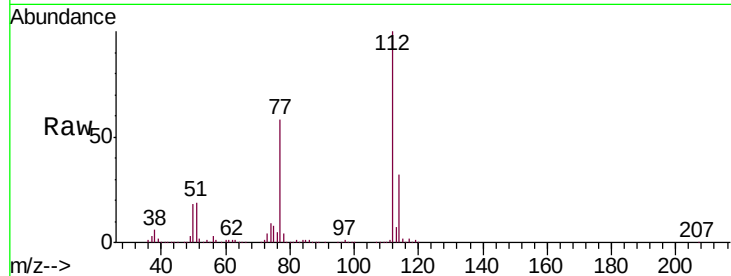
#65
Chlorobenzene
Concen: 146.44 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 3699607
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

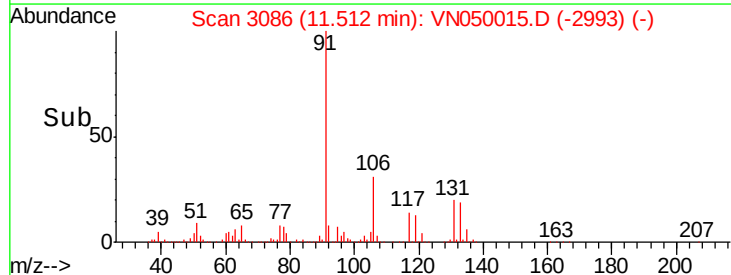
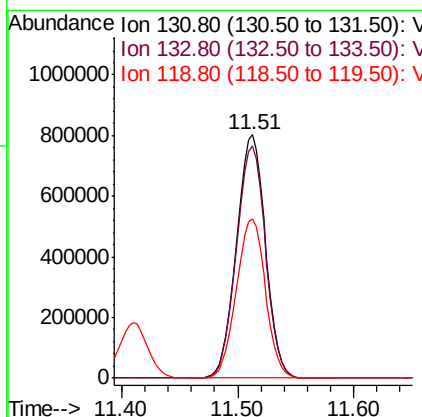
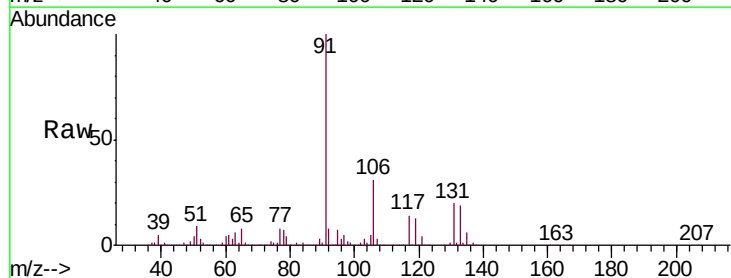
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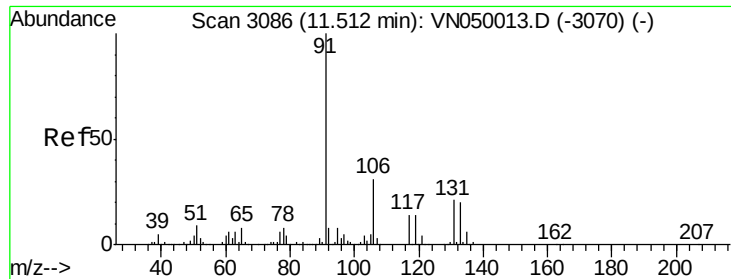
MMDadoda
7/26/2018 1:51:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 141.81 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion:131 Resp: 1386742
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.9
119 65.8 32.9 98.7





#67

Ethyl Benzene

Concen: 160.48 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 6575011

Ion Ratio Lower Upper

91 100

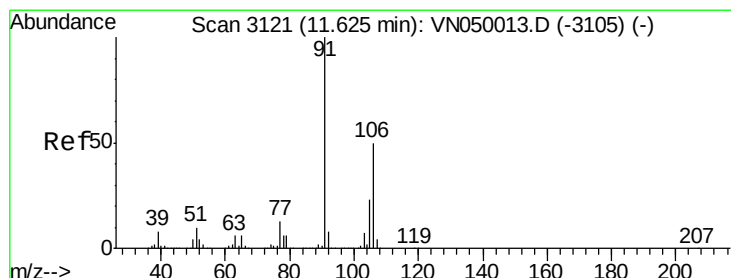
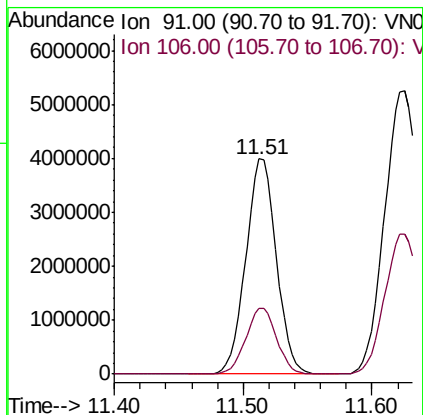
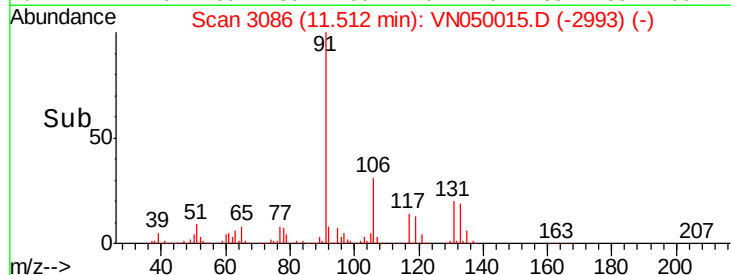
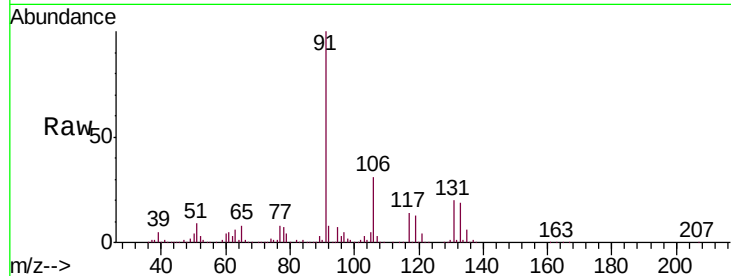
106 30.7 25.0 37.4

Manual Integrations

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7/26/2018 1:51:01 PM



#68

m/p-Xylenes

Concen: 322.01 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050015.D

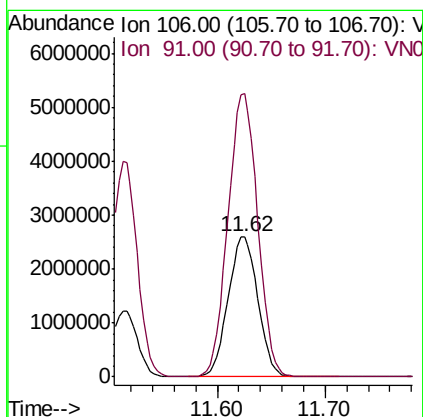
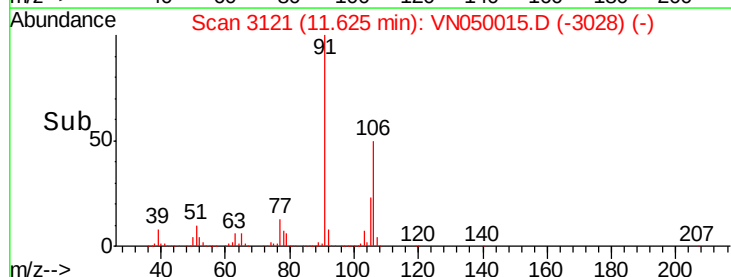
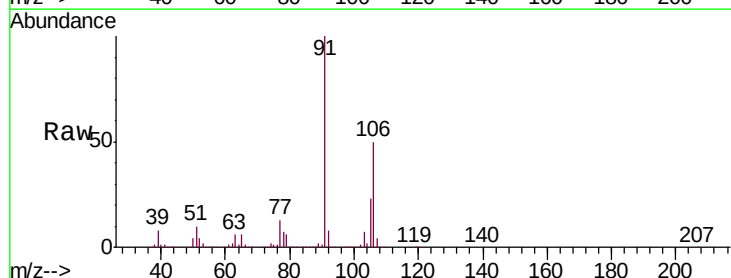
Acq: 23 Jul 2018 19:37

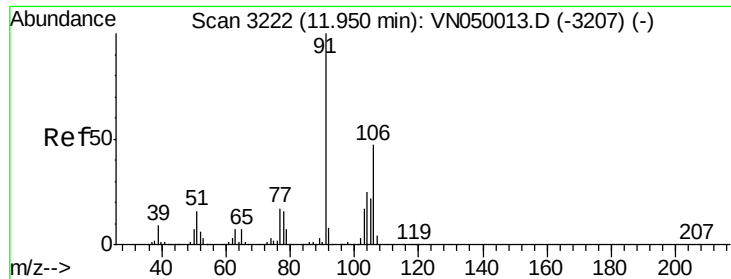
Tgt Ion: 106 Resp: 4988228

Ion Ratio Lower Upper

106 100

91 202.5 162.2 243.2





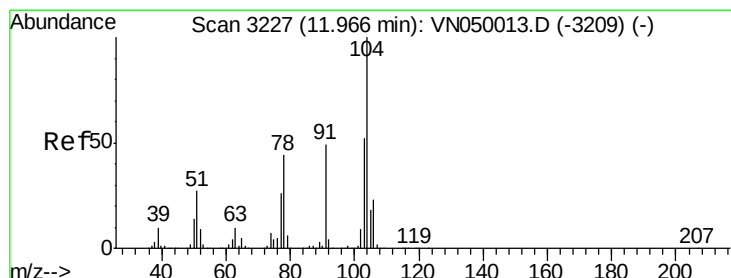
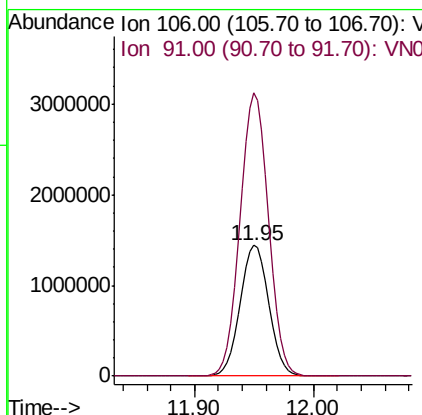
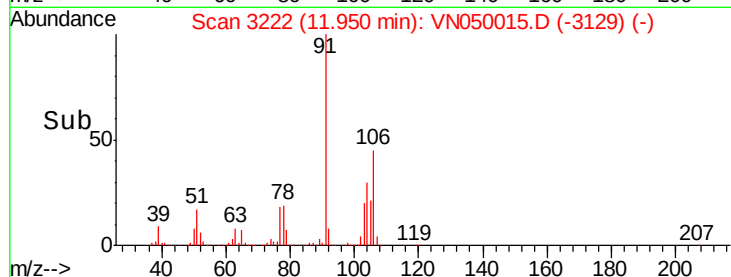
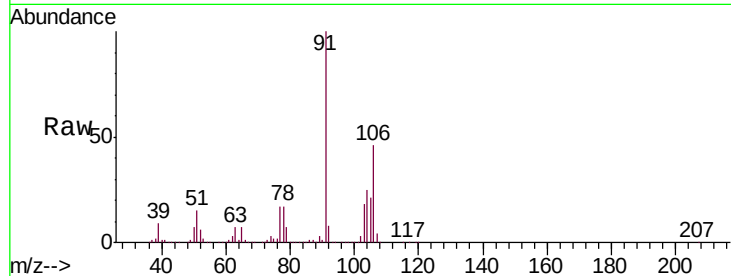
#69
o-Xylene
Concen: 161.75 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2405357
Ion Ratio Lower Upper
106 100
91 214.5 107.7 323.1

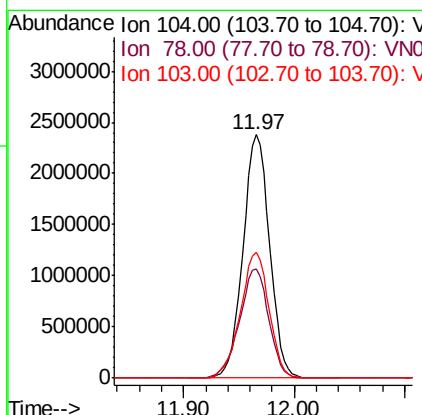
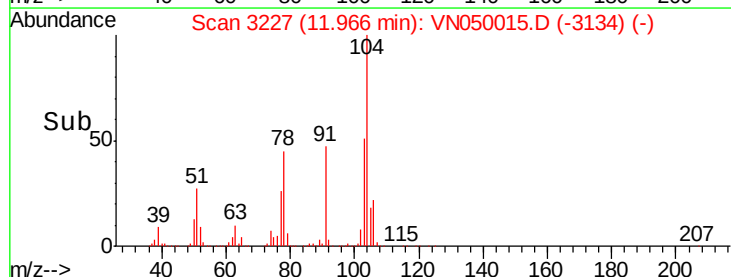
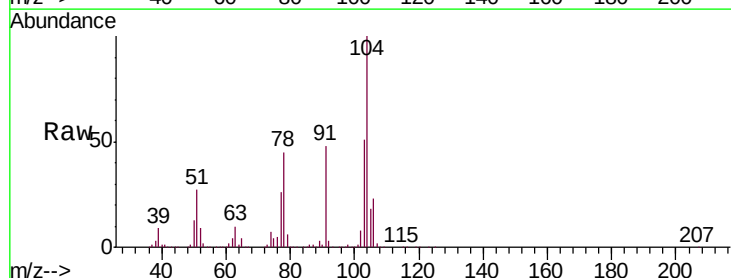
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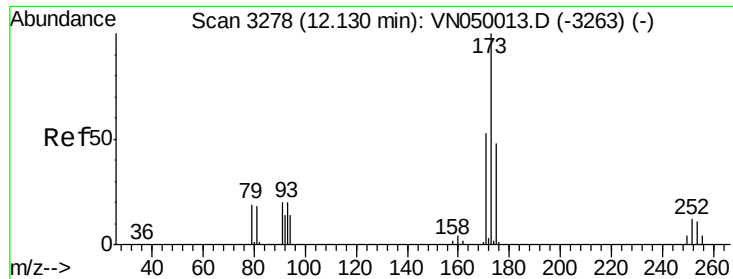
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#70
Styrene
Concen: 164.97 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion:104 Resp: 3955849
Ion Ratio Lower Upper
104 100
78 49.3 39.3 58.9
103 55.7 45.0 67.6





#71

Bromoform

Concen: 155.16 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 1081212

Ion Ratio Lower Upper

173 100

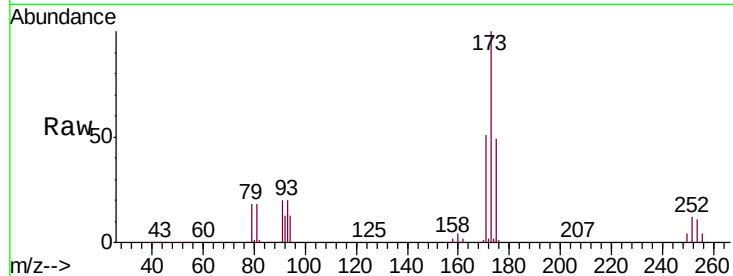
175 48.7 24.1 72.2

254 0.1 0.2 0.2#

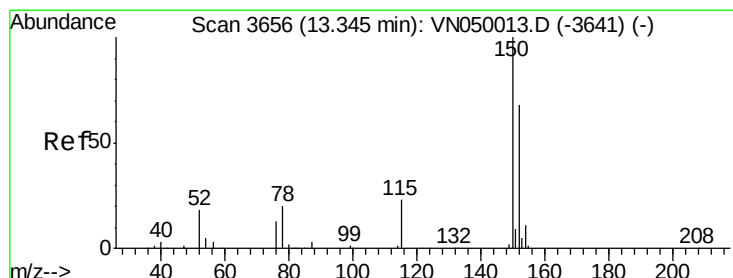
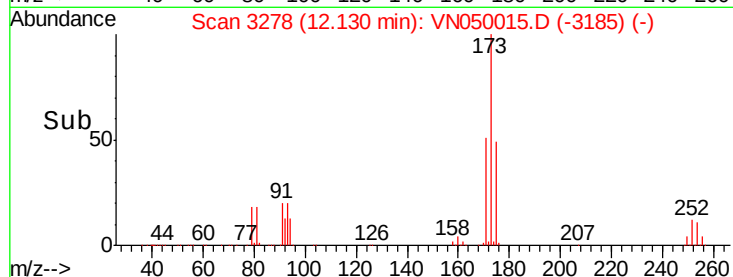
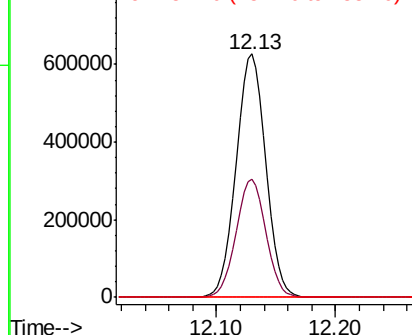
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

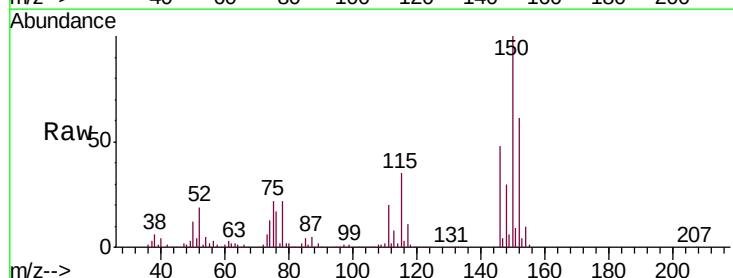
Tgt Ion:152 Resp: 547769

Ion Ratio Lower Upper

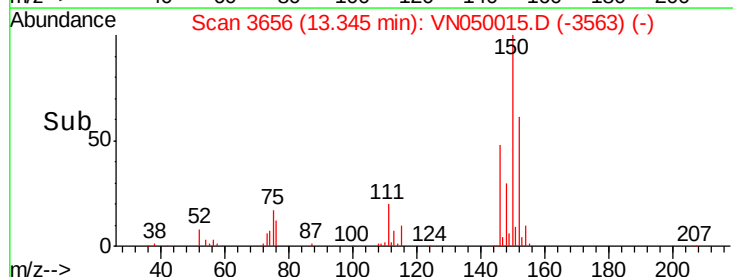
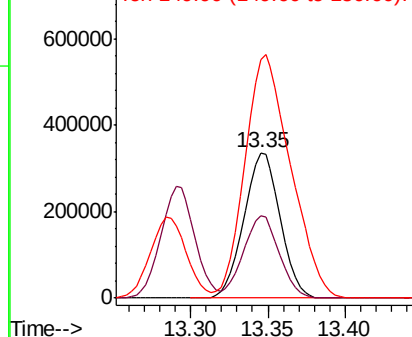
152 100

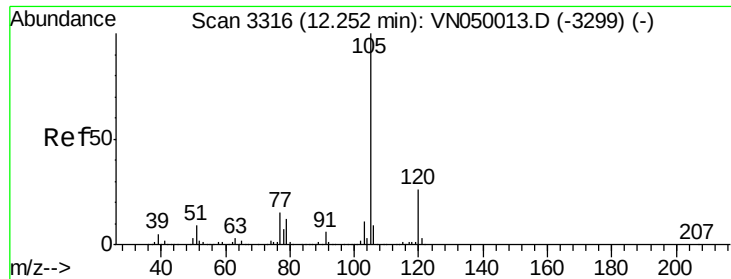
115 55.9 27.8 83.3

150 211.0 0.0 348.6



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: 153.10 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6409637

Ion Ratio Lower Upper

105 100

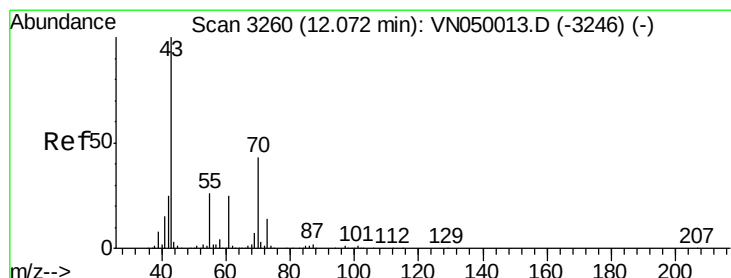
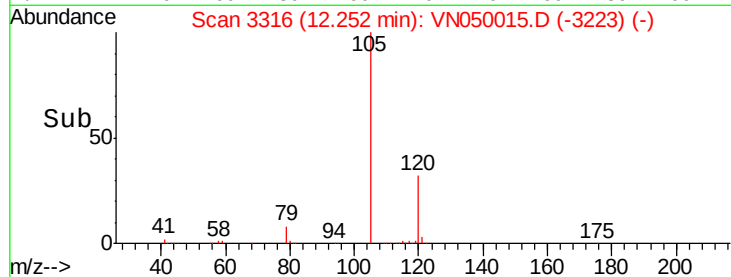
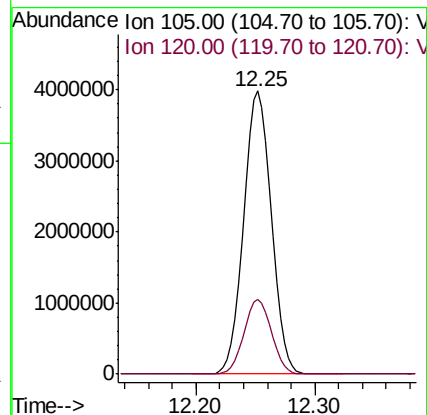
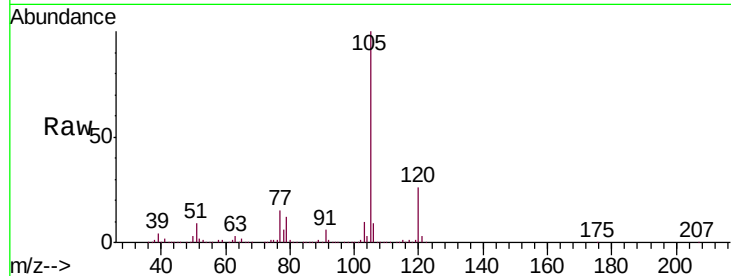
120 26.3 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 162.17 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Tgt Ion: 43 Resp: 2061845

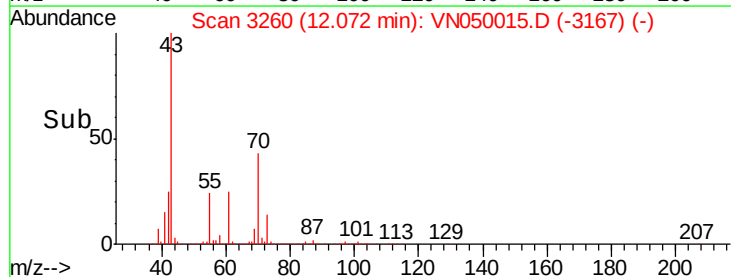
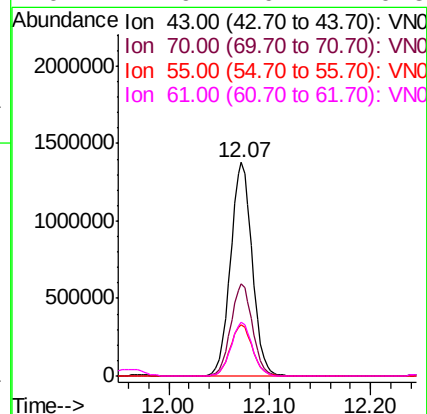
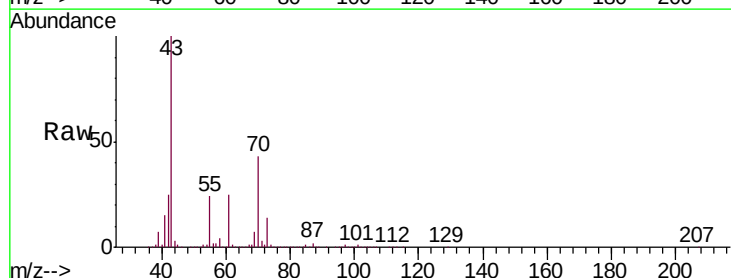
Ion Ratio Lower Upper

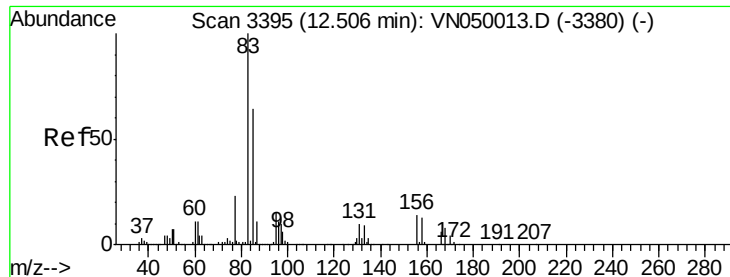
43 100

70 43.1 34.4 51.6

55 24.7 20.8 31.2

61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 132.71 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1660848

Ion Ratio Lower Upper

83 100

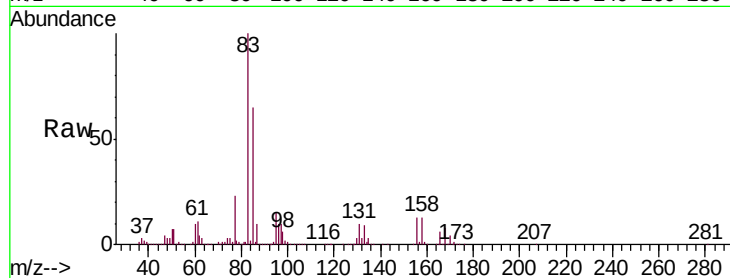
131 10.3 5.1 15.3

85 64.4 32.3 96.8

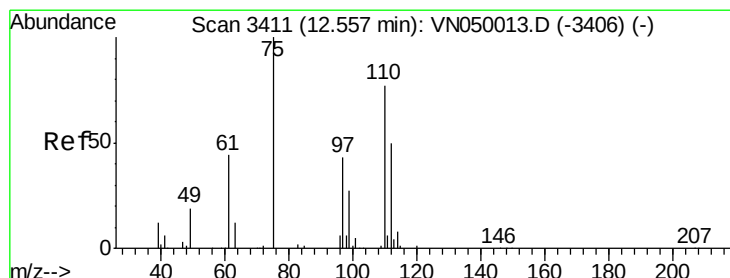
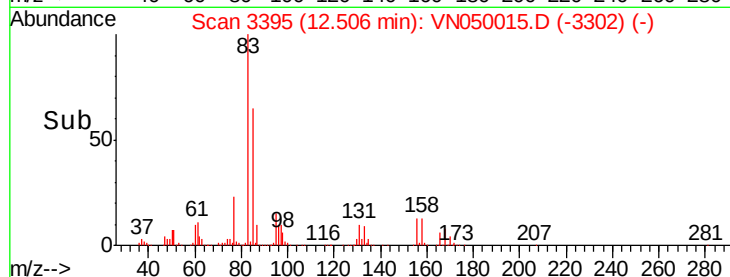
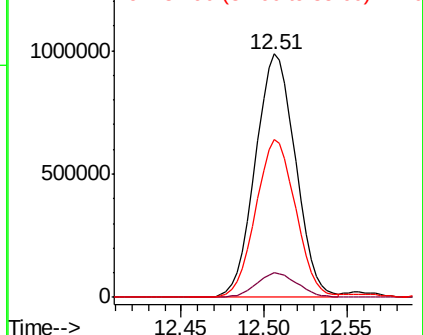
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 134.09 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050015.D

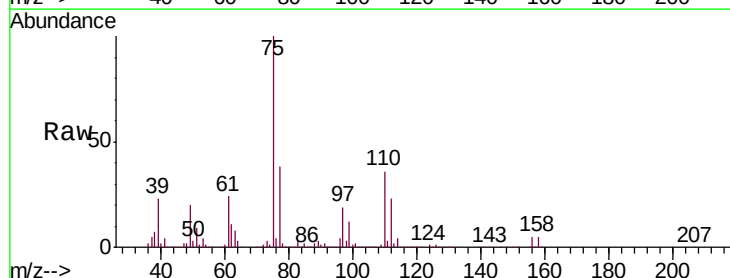
Acq: 23 Jul 2018 19:37

Tgt Ion: 75 Resp: 1374086

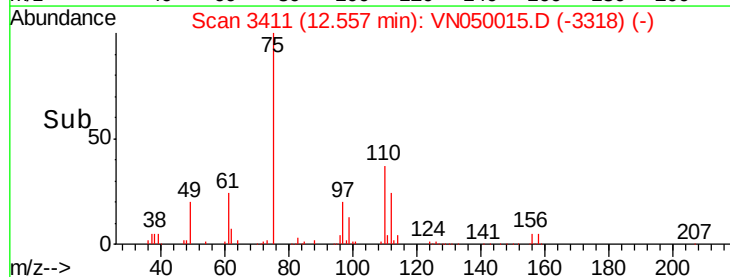
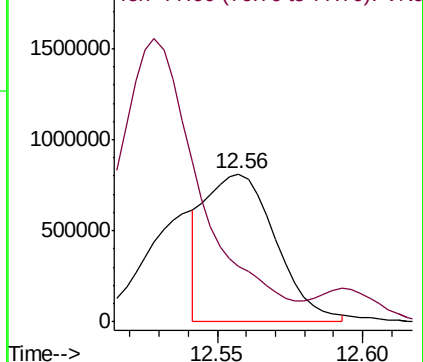
Ion Ratio Lower Upper

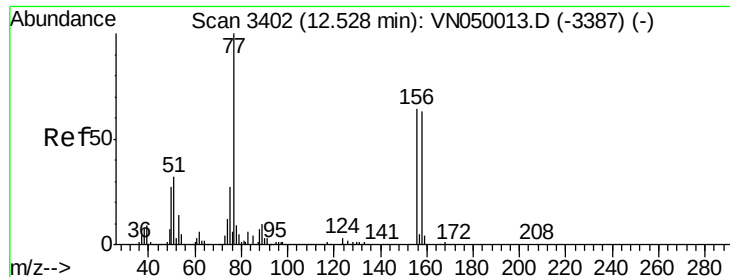
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 143.57 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1659173

Ion Ratio Lower Upper

156 100

77 186.4 91.7 275.1

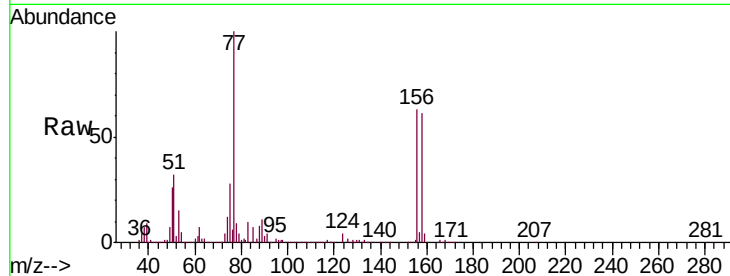
158 97.3 48.9 146.6

Manual Integrations

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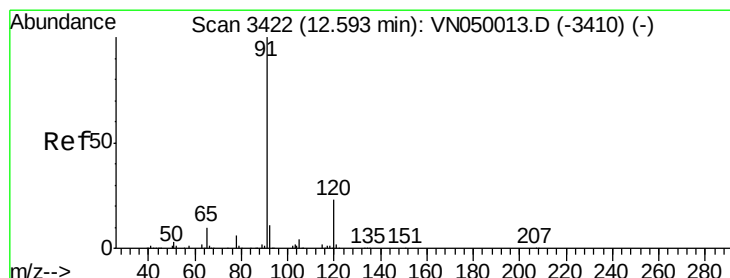
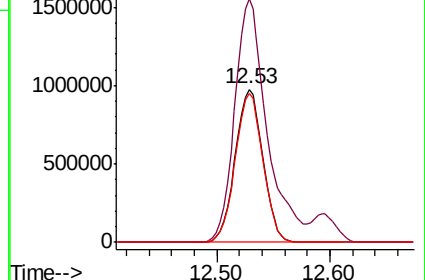
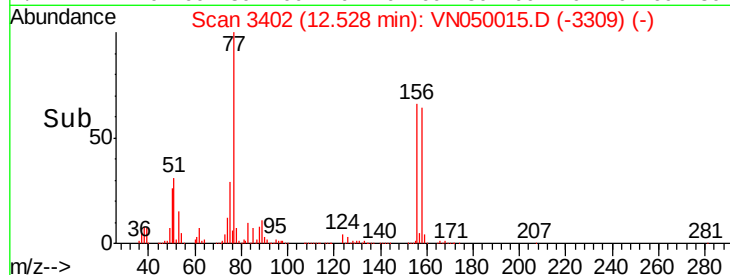
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 154.72 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN050015.D

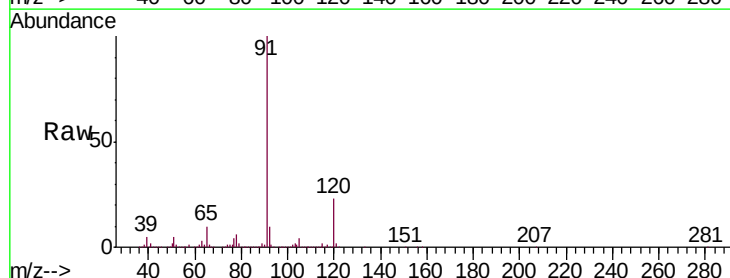
Acq: 23 Jul 2018 19:37

Tgt Ion: 91 Resp: 7359149

Ion Ratio Lower Upper

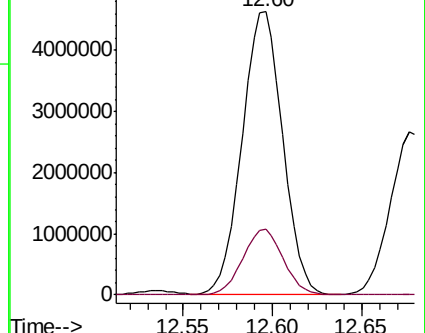
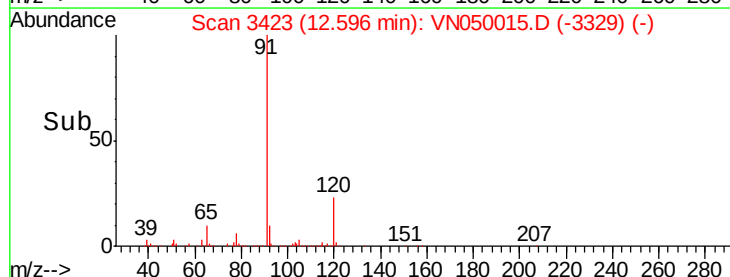
91 100

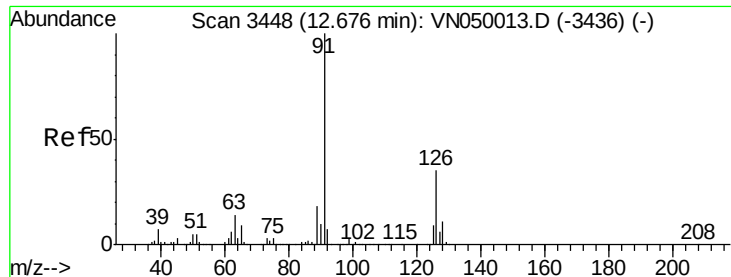
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 148.75 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4343301

Ion Ratio Lower Upper

91 100

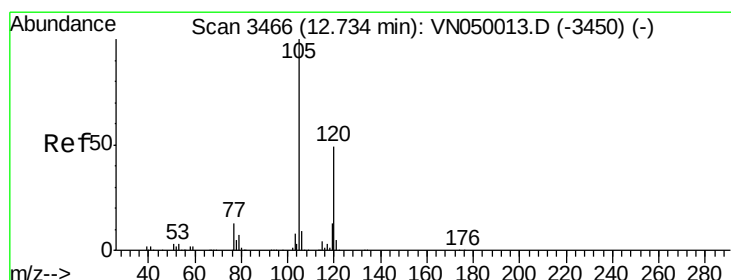
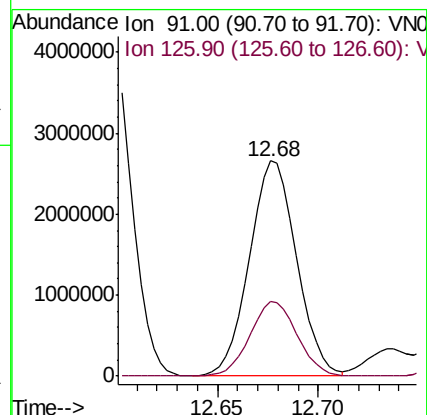
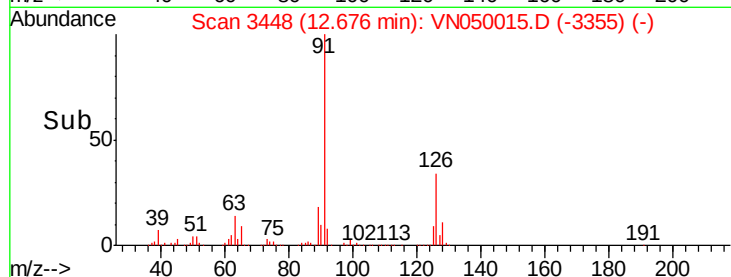
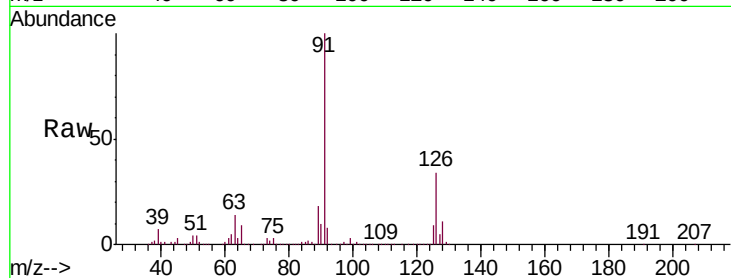
126 34.7 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 155.27 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050015.D

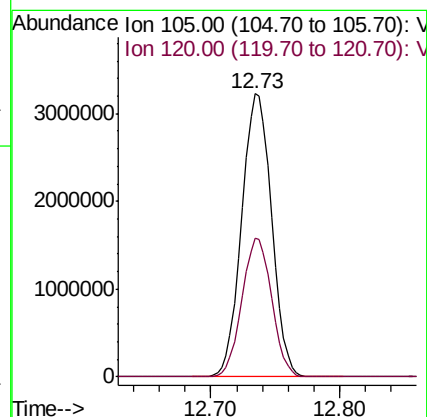
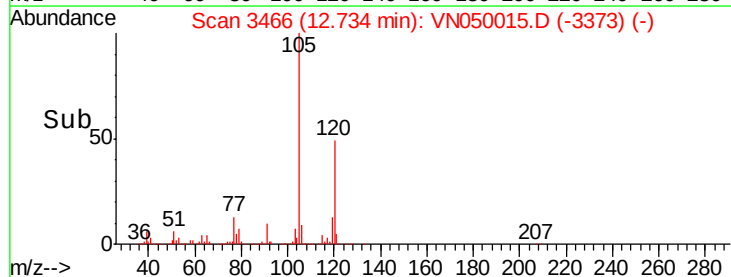
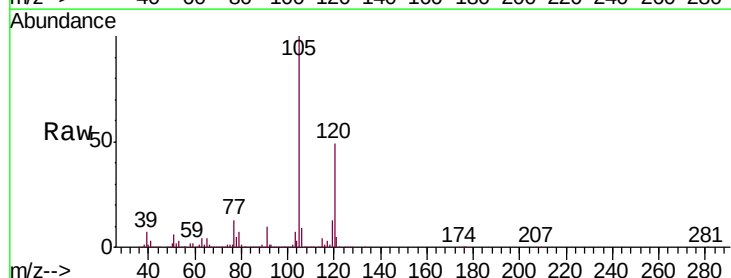
Acq: 23 Jul 2018 19:37

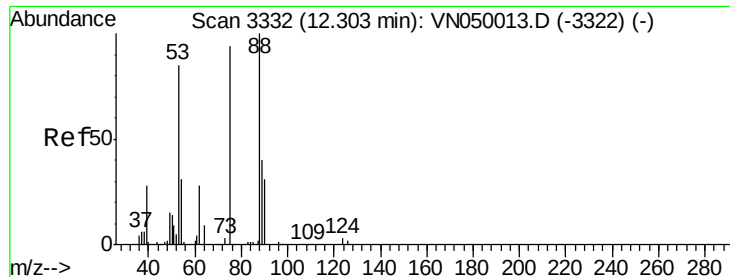
Tgt Ion: 105 Resp: 5203578

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 160.39 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 528030

Ion Ratio Lower Upper

75 100

53 88.1 73.5 110.3

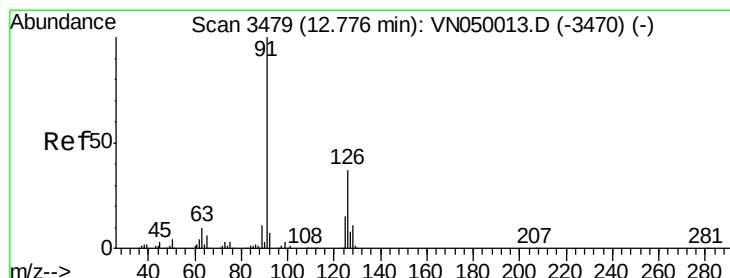
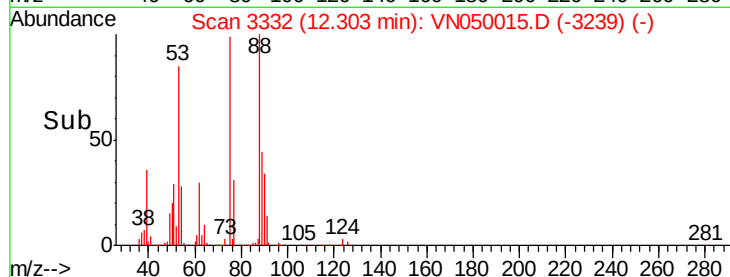
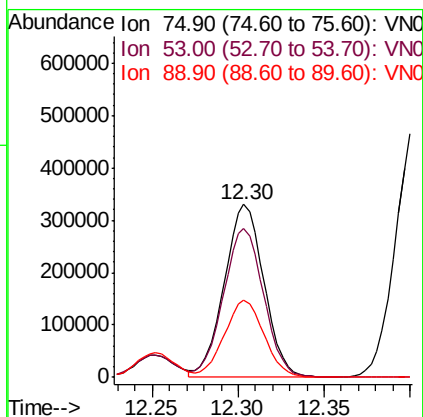
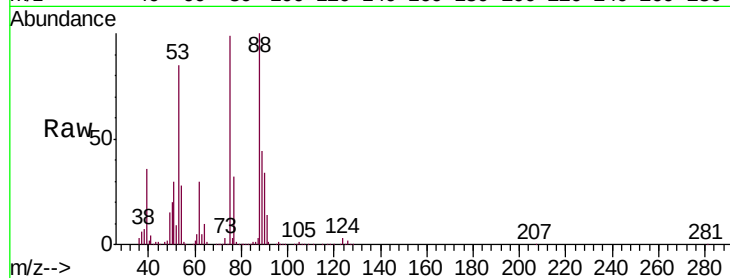
89 45.0 36.0 54.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 152.45 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050015.D

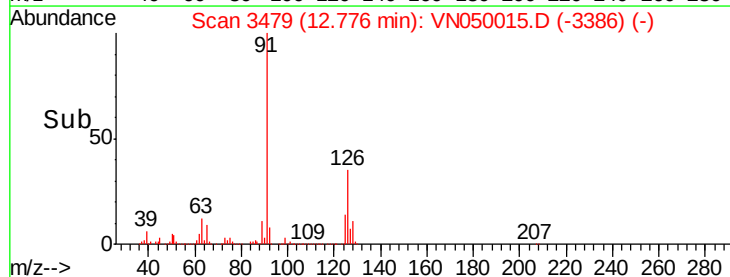
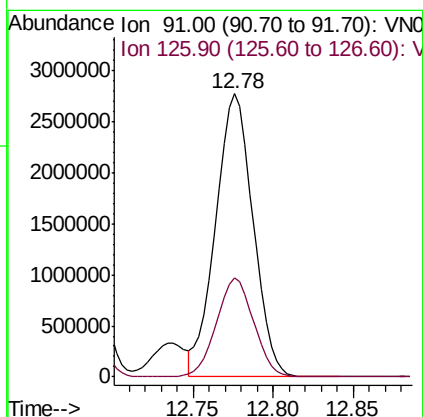
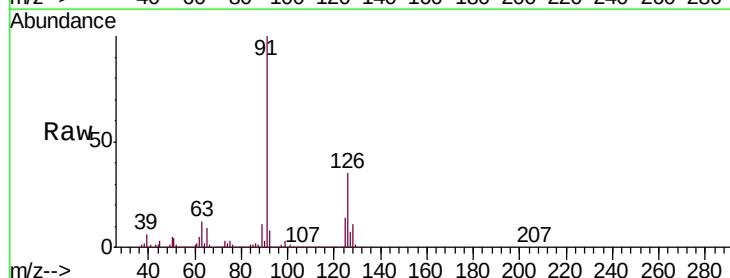
Acq: 23 Jul 2018 19:37

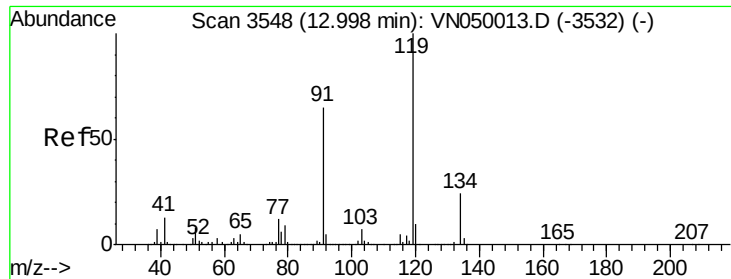
Tgt Ion: 91 Resp: 4463190

Ion Ratio Lower Upper

91 100

126 34.6 17.0 51.0





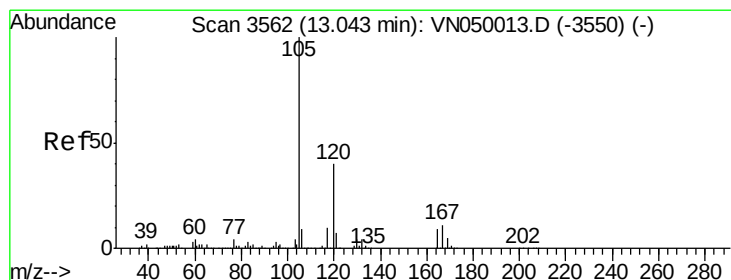
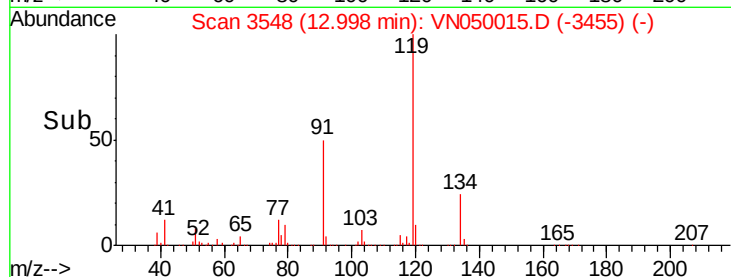
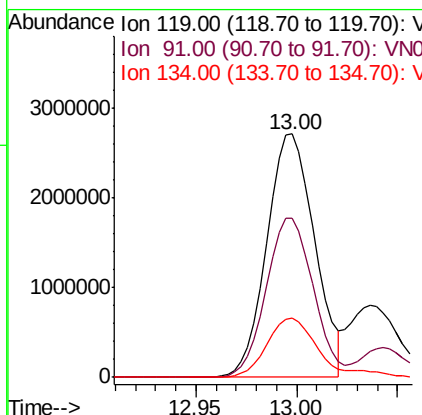
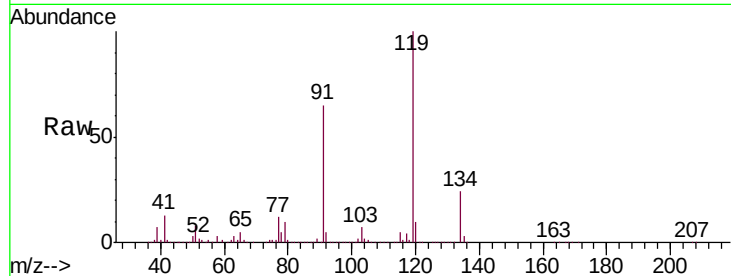
#83
 tert-Butylbenzene
 Concen: 152.65 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 4480576
 Ion Ratio Lower Upper
 119 100
 91 64.3 32.1 96.3
 134 26.4 13.2 39.5

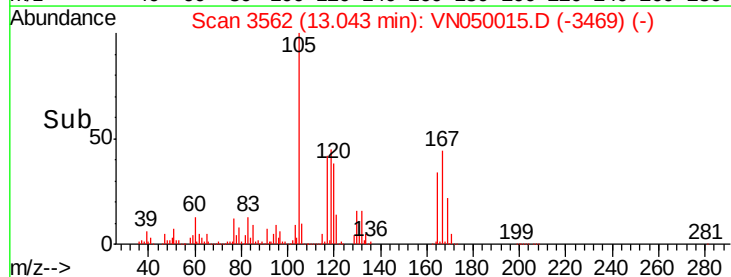
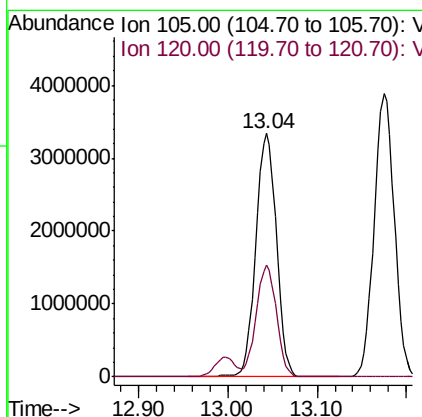
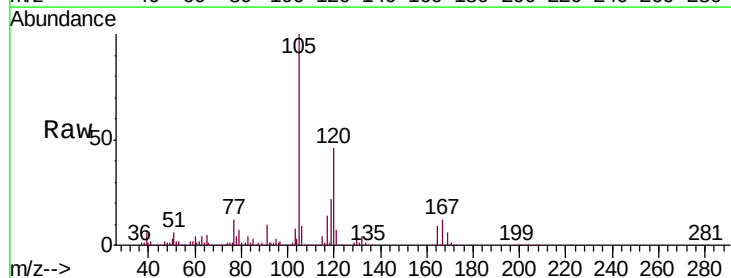
Manual Integrations
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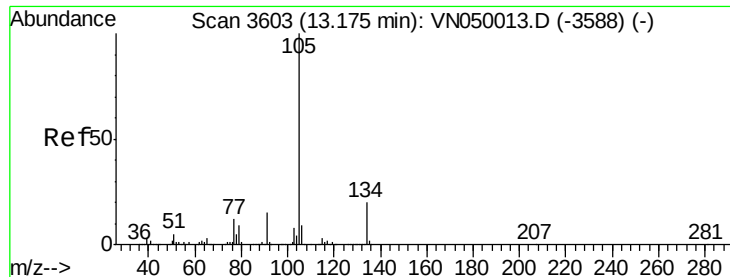
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#84
 1,2,4-Trimethylbenzene
 Concen: 157.98 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:105 Resp: 5361248
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.7





#85

sec-Butylbenzene

Concen: 156.82 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6092583

Ion Ratio Lower Upper

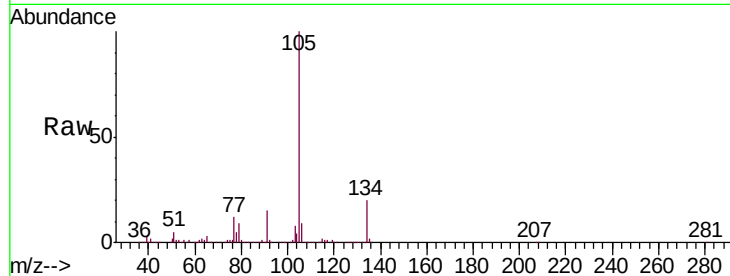
105 100

134 20.2 10.1 30.1

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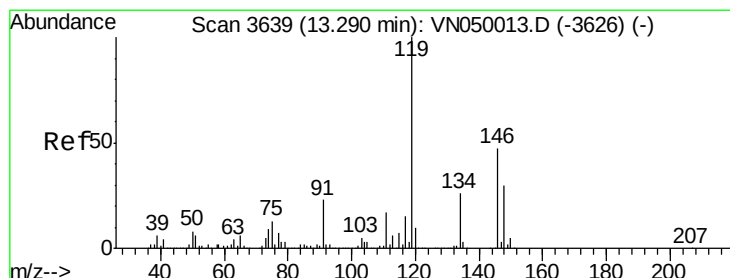
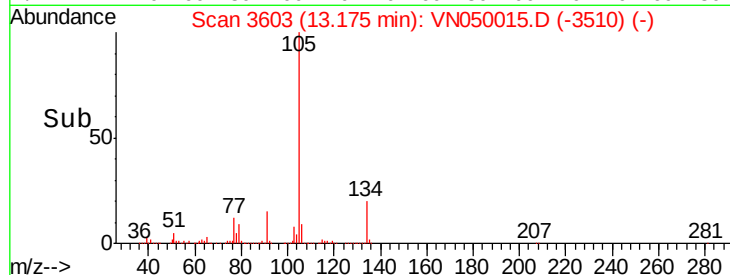
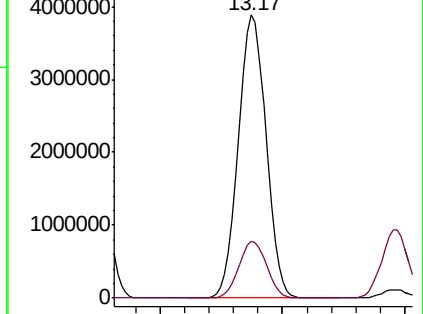
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 161.59 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050015.D

Acq: 23 Jul 2018 19:37

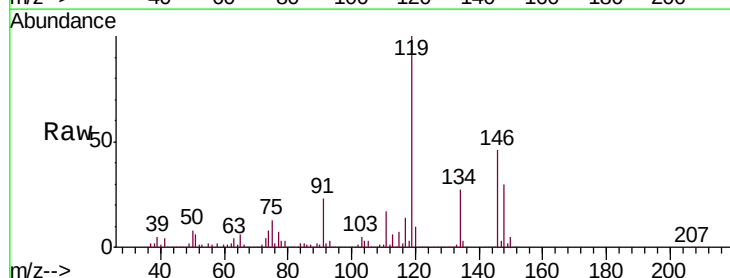
Tgt Ion:119 Resp: 5352723

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

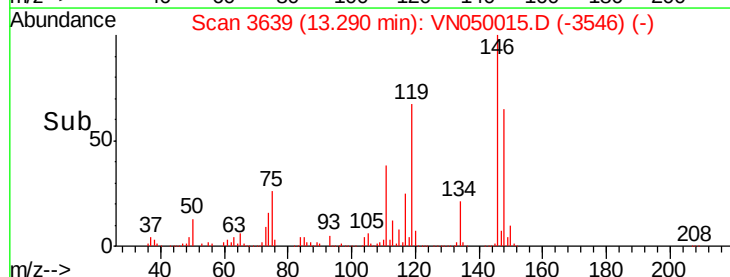
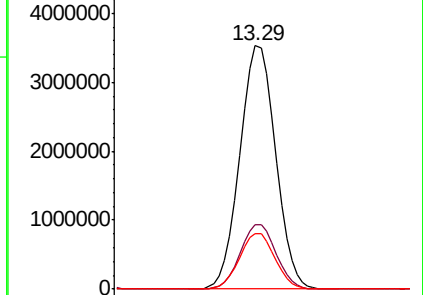
91 22.7 11.4 34.2

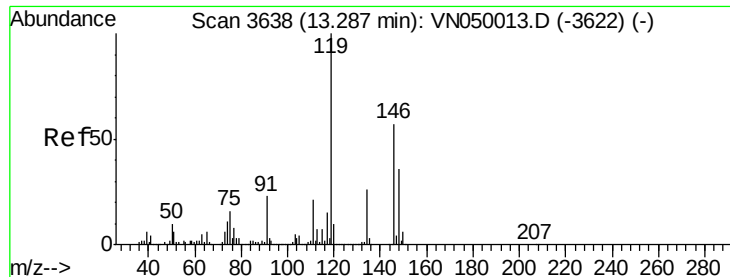


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





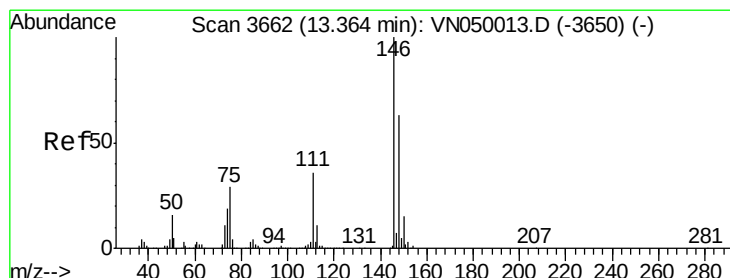
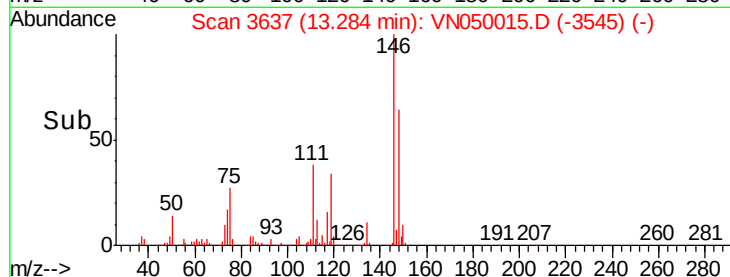
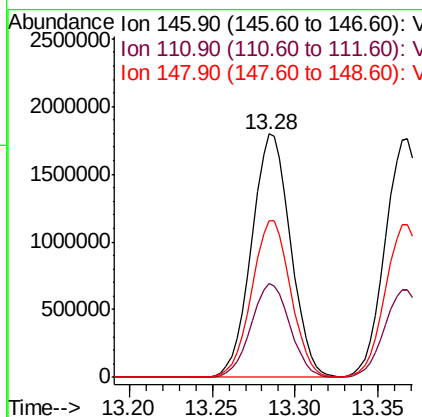
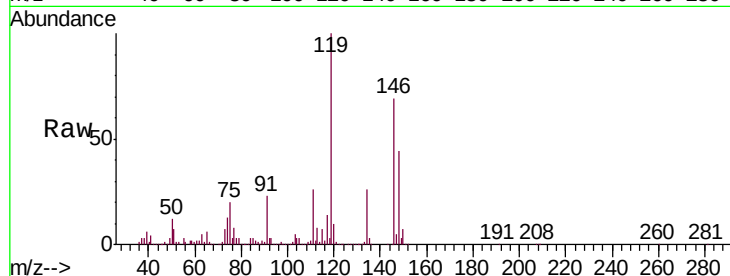
#87
 1,3-Dichlorobenzene
 Concen: 146.92 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.8	56.4
148	64.3	31.9	95.9

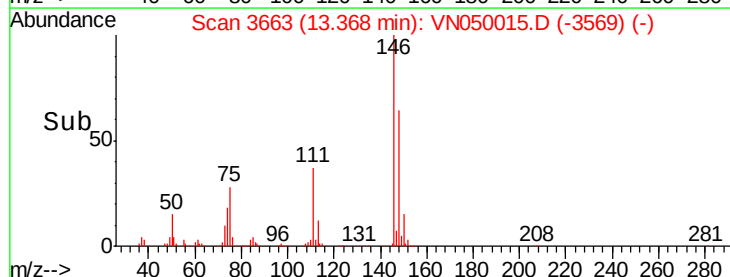
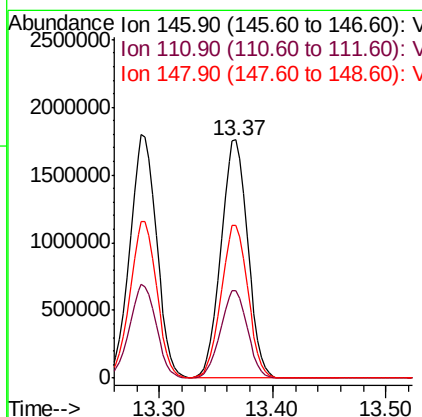
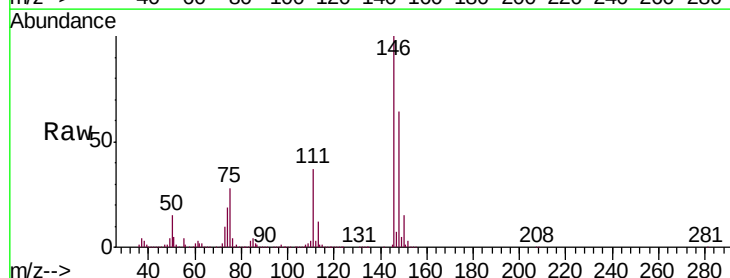
Manual Integrations
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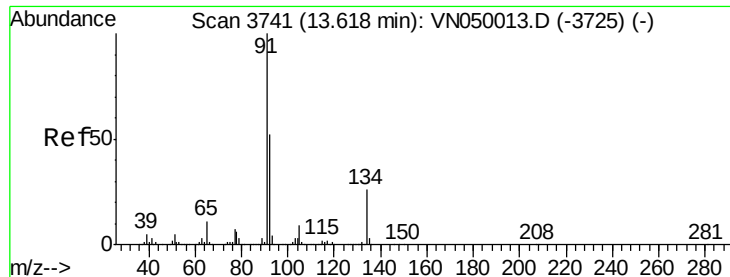
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#88
 1,4-Dichlorobenzene
 Concen: 143.72 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.9
148	64.3	31.9	95.9





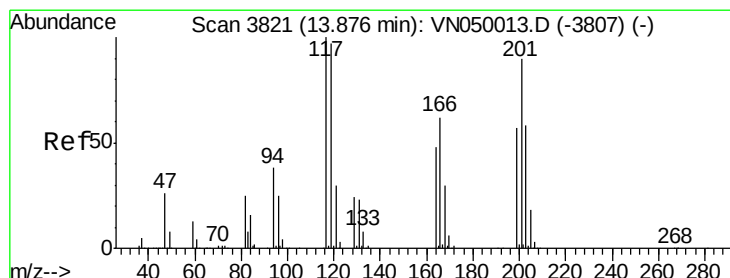
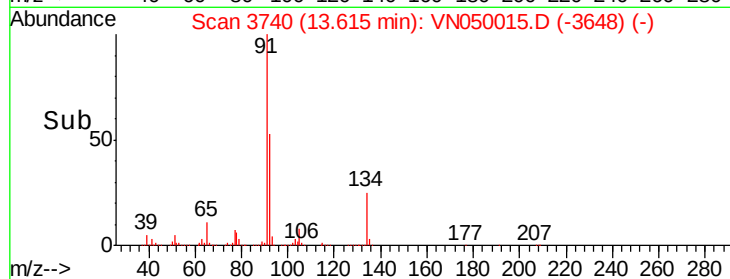
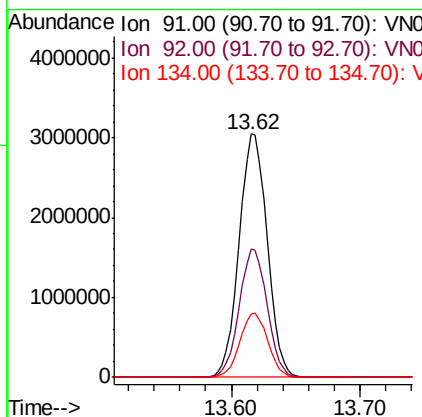
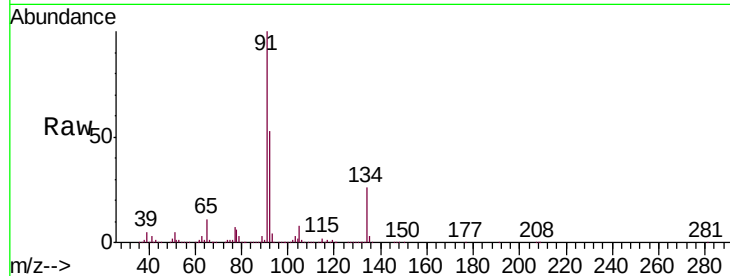
#89
n-Butylbenzene
Concen: 168.99 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 4614983
Ion Ratio Lower Upper
91 100
92 52.3 25.8 77.4
134 26.3 12.8 38.4

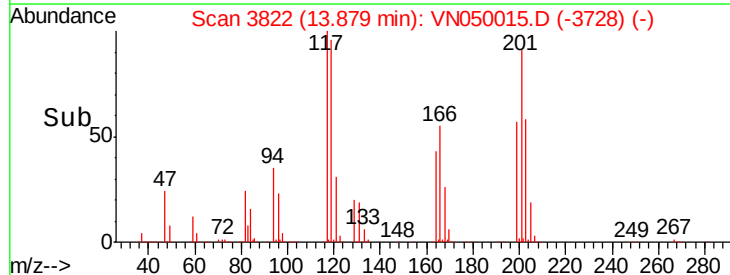
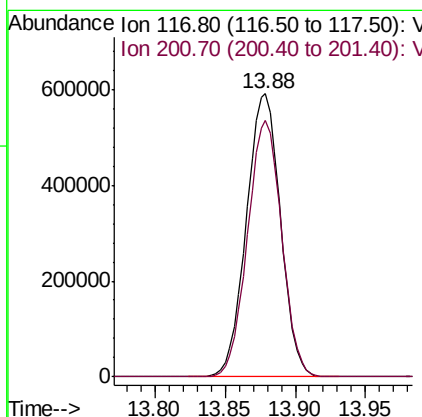
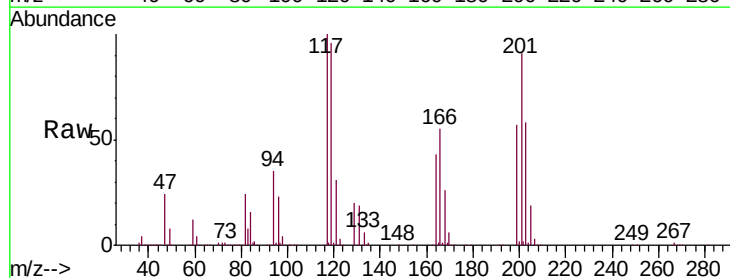
Manual Integrations
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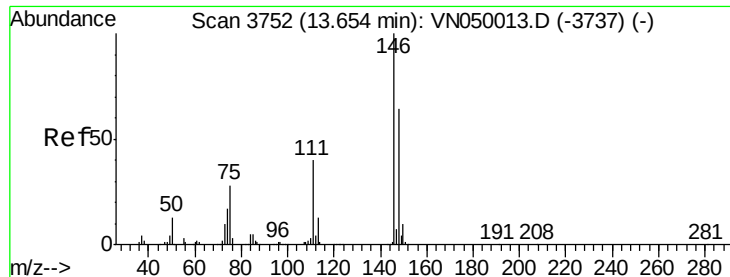
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#90
Hexachloroethane
Concen: 135.02 ug/l
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 117 Resp: 1002673
Ion Ratio Lower Upper
117 100
201 90.4 45.6 136.8





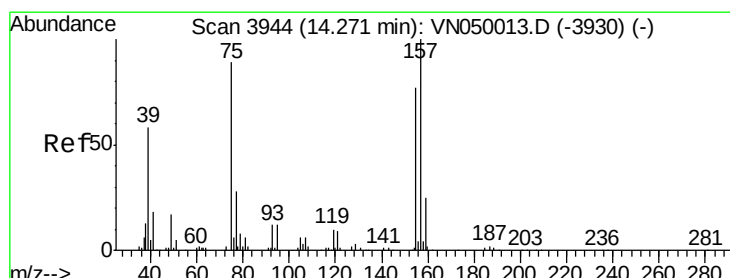
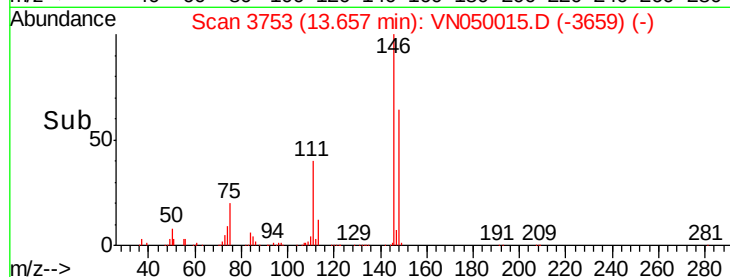
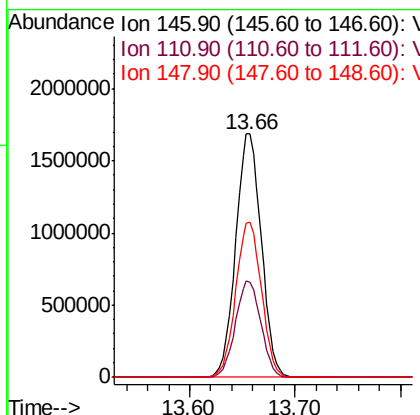
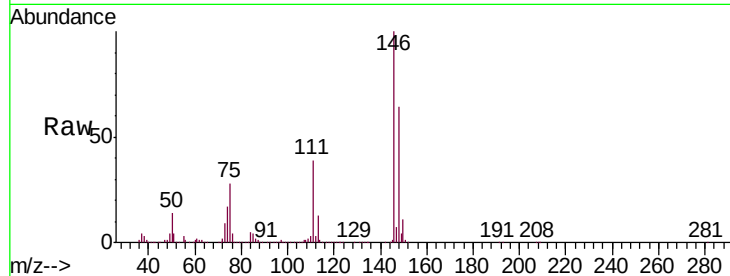
#91
 1,2-Dichlorobenzene
 Concen: 142.75 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.7
148	64.1	32.1	96.3

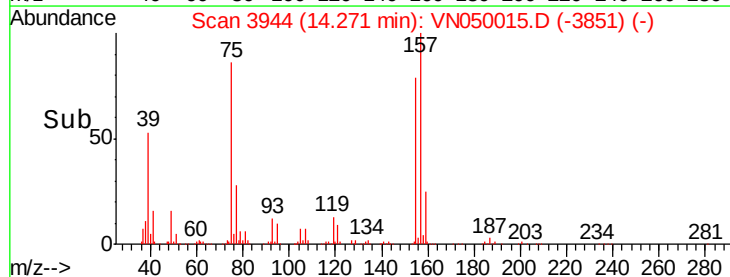
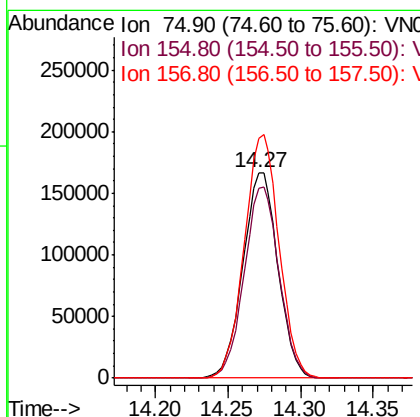
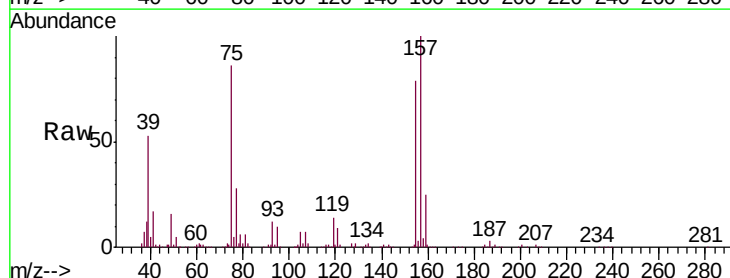
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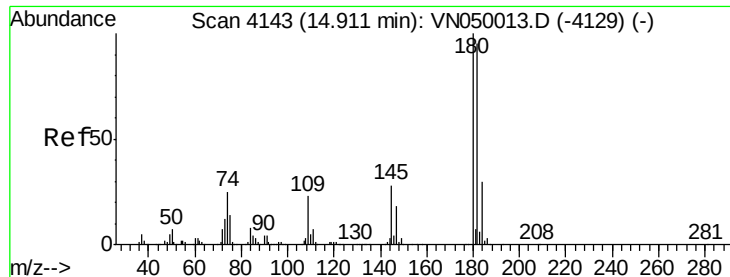
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 144.25 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050015.D
 Acq: 23 Jul 2018 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	44.8	134.4
157	117.4	57.2	171.6





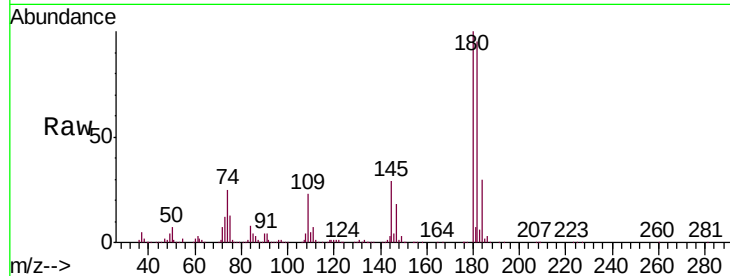
#93
1,2,4-Trichlorobenzene
Concen: 185.51 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

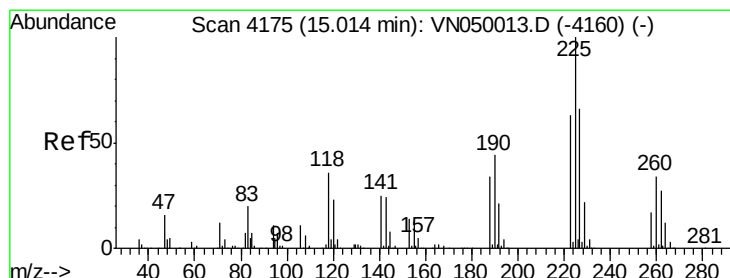
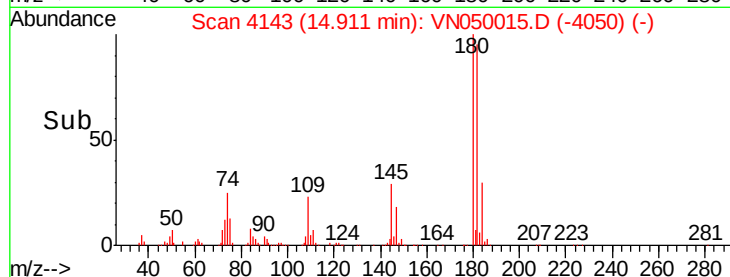
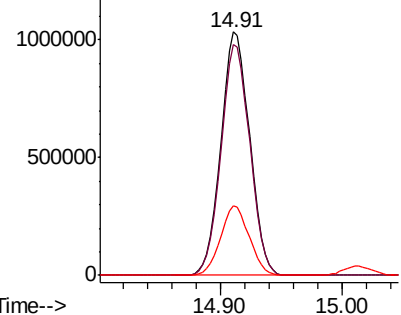
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.7	140.1
145	28.5	13.8	41.4

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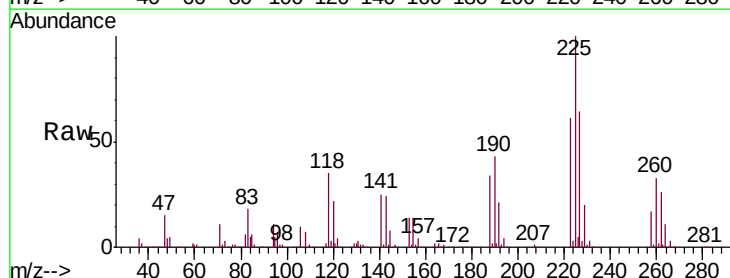


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

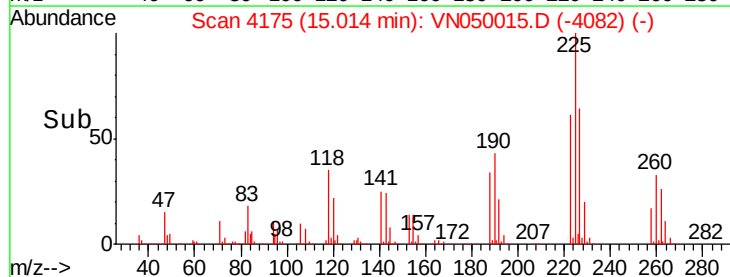
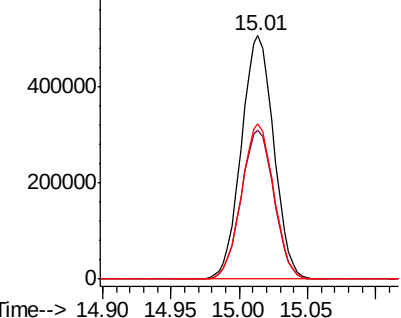


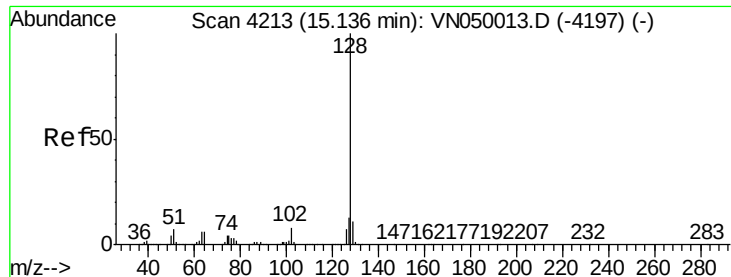
#94
Hexachlorobutadiene
Concen: 129.17 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.4	94.2
227	63.6	32.1	96.5



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





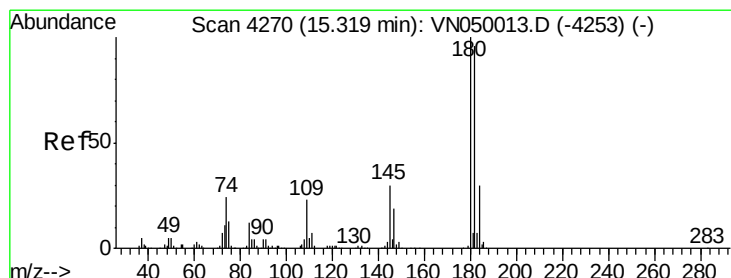
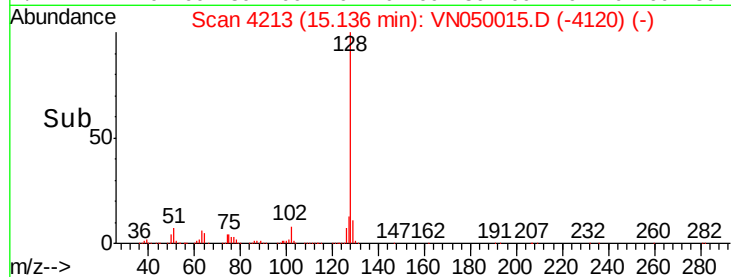
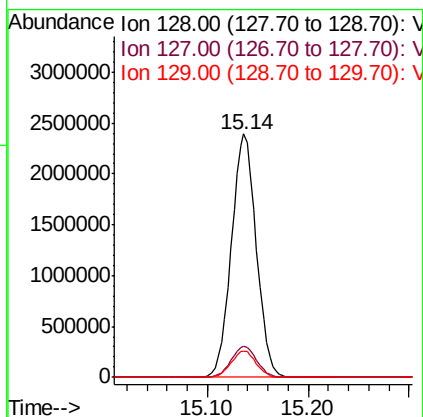
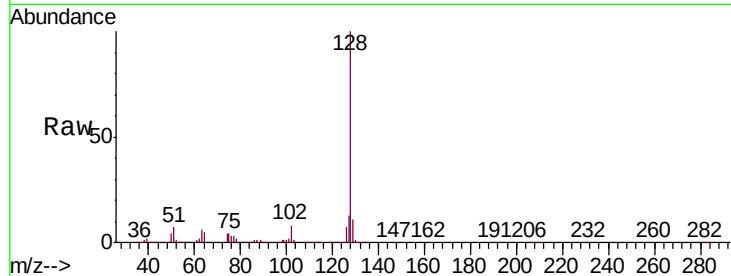
#95
Naphthalene
Concen: 205.12 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 170.57 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050015.D
Acq: 23 Jul 2018 19:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.1	144.4
145	30.4	15.3	45.9

