

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051069.D
 Acq On : 10 Sep 2018 10:12
 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
 9/11/2018 9:40:31 AM

Quant Time: Sep 11 02:14:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	726790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1037568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	971026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	525877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1221274	151.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.00%	
35) Dibromofluoromethane	7.59	113	1193321	153.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.12%	
50) Toluene-d8	10.09	98	4608717	155.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.56%	
62) 4-Bromofluorobenzene	12.40	95	1635483	167.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	334.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	962090	137.27	ug/l	99
3) Chloromethane	2.06	50	1349930	135.31	ug/l	100
4) Vinyl Chloride	2.18	62	1353013	140.64	ug/l	99
5) Bromomethane	2.54	94	794070	123.18	ug/l	100
6) Chloroethane	2.69	64	822188	138.47	ug/l	99
7) Trichlorofluoromethane	3.01	101	1808513	141.87	ug/l	100
8) Diethyl Ether	3.41	74	720384	153.65	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1149794	139.92	ug/l	100
10) Methyl Iodide	3.95	142	1271662	181.13	ug/l	99
11) Tert butyl alcohol	4.79	59	495672	802.34	ug/l	100
12) 1,1-Dichloroethene	3.73	96	1123085	144.87	ug/l	99
13) Acrolein	3.60	56	617440	876.15	ug/l	98
14) Allyl chloride	4.32	41	1804417	152.76	ug/l	99
15) Acrylonitrile	4.99	53	2171737	793.35	ug/l	99
16) Acetone	3.82	43	1488464	662.40	ug/l	99
17) Carbon Disulfide	4.05	76	3449300	135.22	ug/l	99
18) Methyl Acetate	4.32	43	957515	147.83	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	3191923	171.42	ug/l	100
20) Methylene Chloride	4.55	84	1260414	141.08	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	1200979	142.82	ug/l	99
22) Diisopropyl ether	5.95	45	3556841	151.70	ug/l	94
23) Vinyl Acetate	5.90	43	12865571	810.86	ug/l	100
24) 1,1-Dichloroethane	5.85	63	2158230	145.09	ug/l	100
25) 2-Butanone	6.84	43	2451129	770.81	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1745628	143.37	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1375025	149.06	ug/l	99
28) Bromochloromethane	7.20	49	916159	138.37	ug/l	99
29) Tetrahydrofuran	7.21	42	1602198	806.82	ug/l	99
30) Chloroform	7.37	83	2132793	144.12	ug/l	98
31) Cyclohexane	7.65	56	1990337	132.30	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1845484	146.36	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1729166	151.79	ug/l	99
37) Ethyl Acetate	6.93	43	1082317	164.05	ug/l	100
38) Carbon Tetrachloride	7.77	117	1674920	149.39	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2010053	159.93	ug/l	99
40) Benzene	8.04	78	5112293	148.93	ug/l	99
41) Methacrylonitrile	7.17	41	586450	172.28	ug/l	91
42) 1,2-Dichloroethane	8.12	62	1481846	148.10	ug/l	100
43) Isopropyl Acetate	8.17	43	1902958	163.47	ug/l	100
44) Trichloroethene	8.83	130	1394165	148.49	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1328811	149.81	ug/l	100
46) Dibromomethane	9.21	93	795312	146.96	ug/l	99
47) Bromodichloromethane	9.40	83	1679138	152.59	ug/l	99
48) Methyl methacrylate	9.20	41	959739	169.17	ug/l	99
49) 1,4-Dioxane	9.20	88	301211	3385.90	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	5231145	812.59	ug/l	99
52) Toluene	10.16	92	3224980	154.07	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1842350	167.28	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	2079707	161.05	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1156696	152.13	ug/l	99
56) Ethyl methacrylate	10.43	69	1617719	177.77	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1939224	153.84	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3446284	926.59	ug/l	100
59) 2-Hexanone	10.75	43	3611301	827.17	ug/l	99
60) Dibromochloromethane	10.90	129	1367371	159.55	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1194714	160.74	ug/l	100
64) Tetrachloroethene	10.63	164	1239019	139.83	ug/l	99
65) Chlorobenzene	11.43	112	3623392	148.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1313955	149.10	ug/l	100
67) Ethyl Benzene	11.51	91	6220168	156.92	ug/l	100
68) m/p-Xylenes	11.62	106	4828319	317.03	ug/l	99
69) o-Xylene	11.95	106	2345830	159.06	ug/l	100
70) Styrene	11.96	104	3858768	168.67	ug/l	100
71) Bromoform	12.13	173	1017821	164.04	ug/l #	99
73) Isopropylbenzene	12.25	105	6133416	139.07	ug/l	100
74) N-amyl acetate	12.07	43	1721298	155.09	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1497471	127.53	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1187769m	135.82	ug/l	
77) Bromobenzene	12.53	156	1617414	136.54	ug/l	100
78) n-propylbenzene	12.59	91	7015409	144.72	ug/l	100
79) 2-Chlorotoluene	12.67	91	4127758	136.24	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	5090128	142.76	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	452353	163.36	ug/l	97
82) 4-Chlorotoluene	12.77	91	4228250	140.59	ug/l	99
83) tert-Butylbenzene	12.99	119	4430360	140.75	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	5191716	148.09	ug/l	100
85) sec-Butylbenzene	13.17	105	5825162	144.30	ug/l	100
86) p-Isopropyltoluene	13.29	119	5261036	153.70	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	2825892	140.61	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2781430	140.43	ug/l	100
89) n-Butylbenzene	13.61	91	4310018	161.79	ug/l	100
90) Hexachloroethane	13.87	117	932276	133.26	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2670058	136.35	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	234609	136.90	ug/l	99

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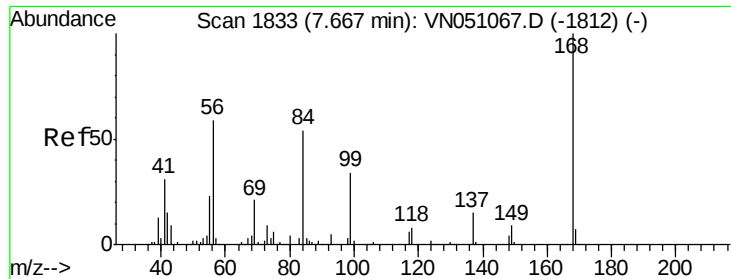
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1541955	182.90	ug/l	99
94) Hexachlorobutadiene	15.01	225	835462	121.08	ug/l	100
95) Naphthalene	15.13	128	3339231	186.89	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	1442459	165.09	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 726790

Ion Ratio Lower Upper

168 100

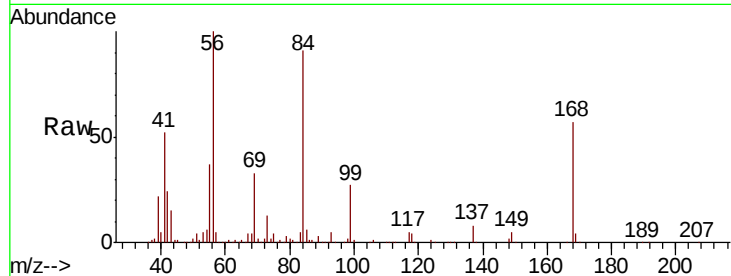
99 47.1 38.3 57.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

500000

400000

300000

200000

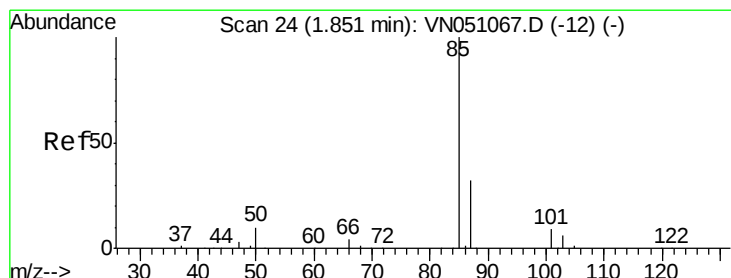
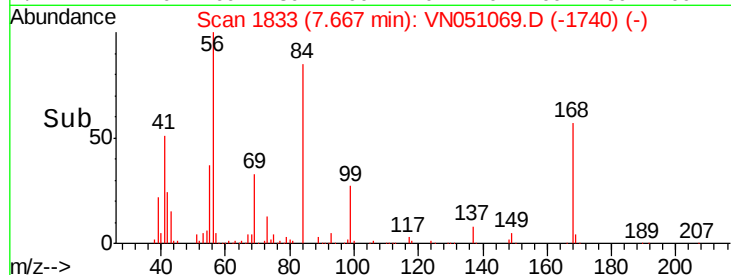
100000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 137.27 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN051069.D

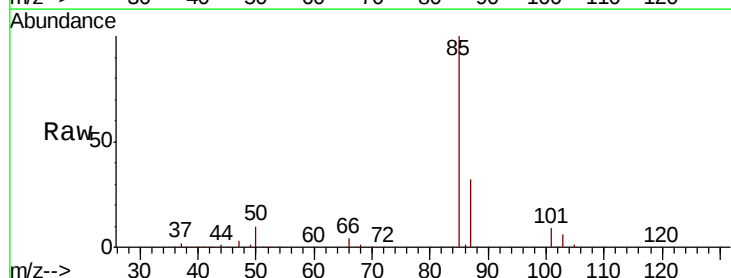
Acq: 10 Sep 2018 10:12

Tgt Ion: 85 Resp: 962090

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

600000

400000

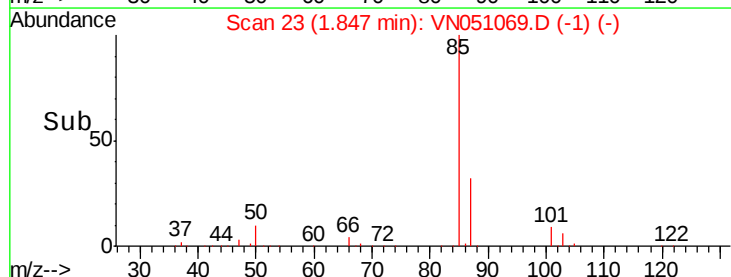
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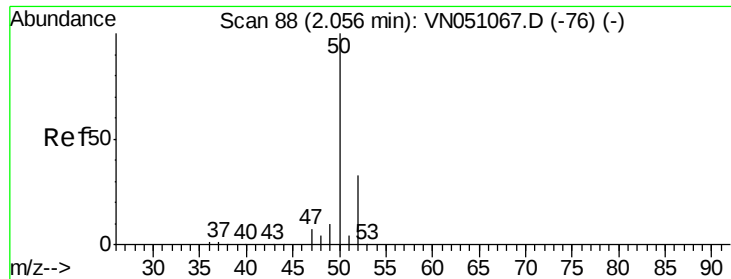
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 135.31 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1349930

Ion Ratio Lower Upper

50 100

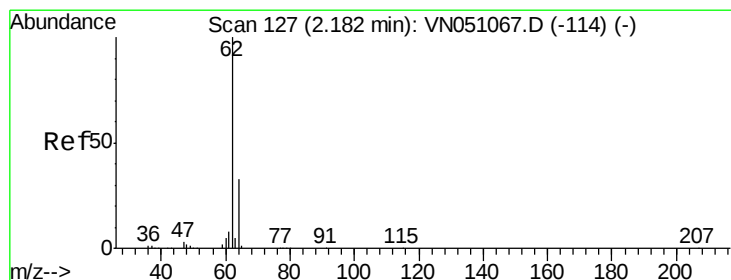
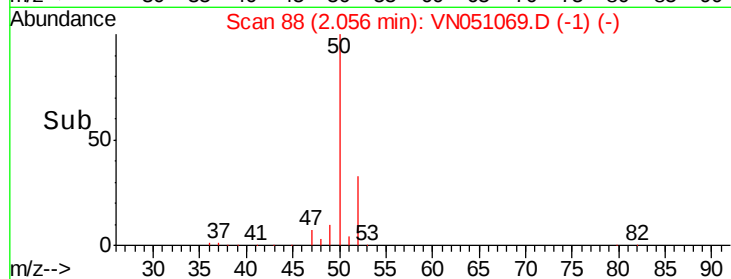
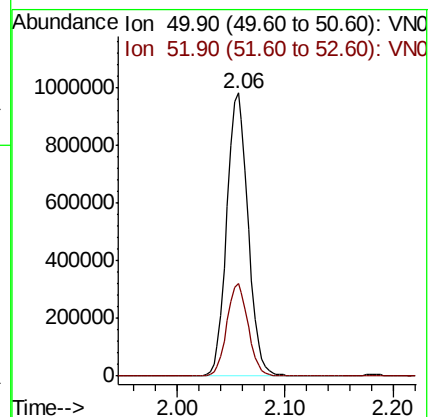
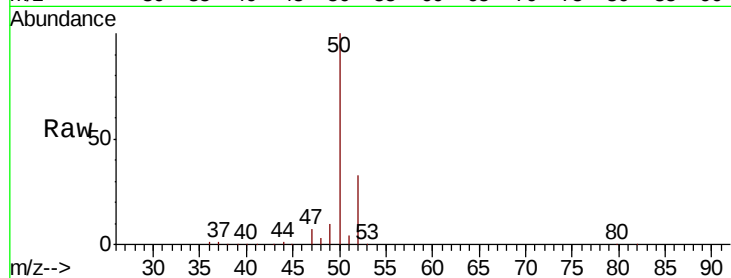
52 32.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 140.64 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051069.D

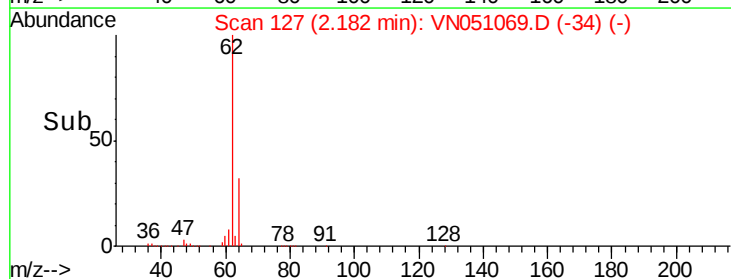
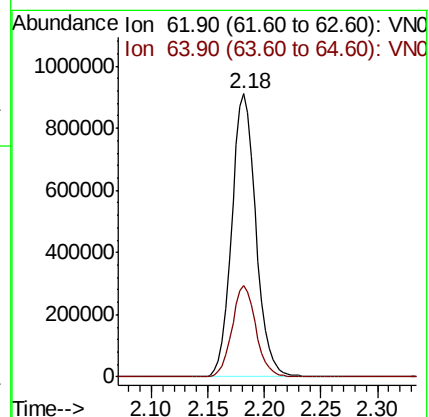
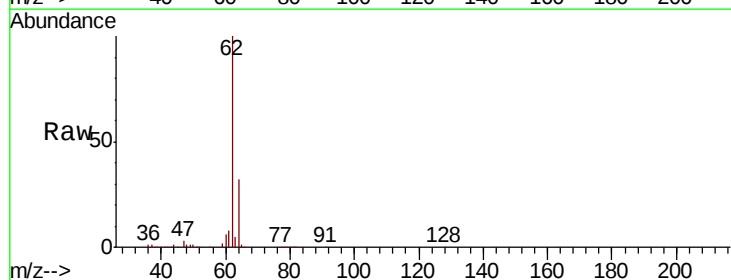
Acq: 10 Sep 2018 10:12

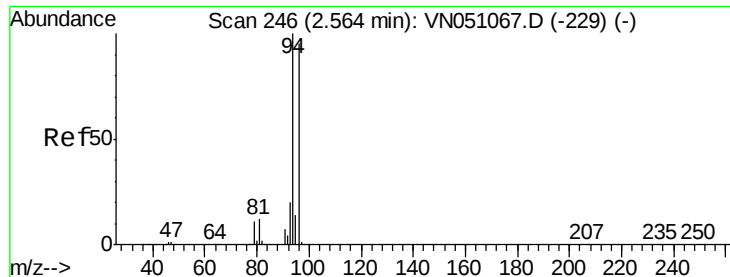
Tgt Ion: 62 Resp: 1353013

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4





#5

Bromomethane

Concen: 123.18 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.03 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 794070

Ion Ratio Lower Upper

94 100

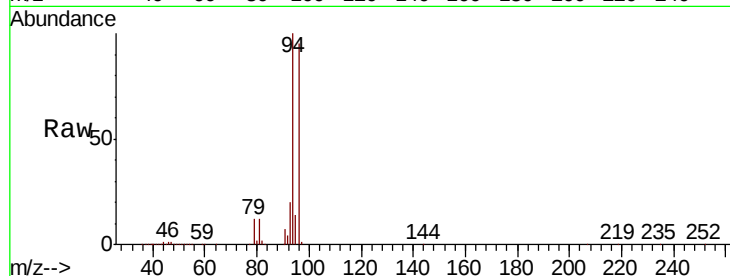
96 94.6 75.9 113.9

Manual Integrations

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9/11/2018 9:40:31 AM



Abundance Ion 93.90 (93.60 to 94.60): VN051069.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051069.D (-229) (-)

2.54

400000

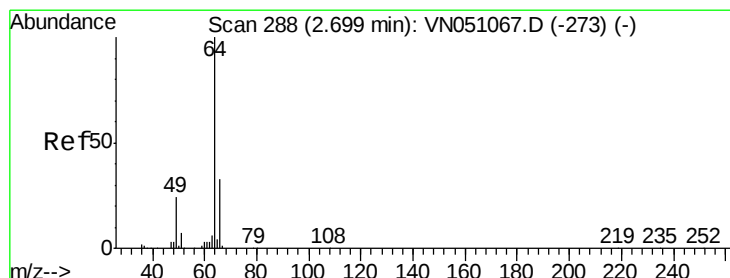
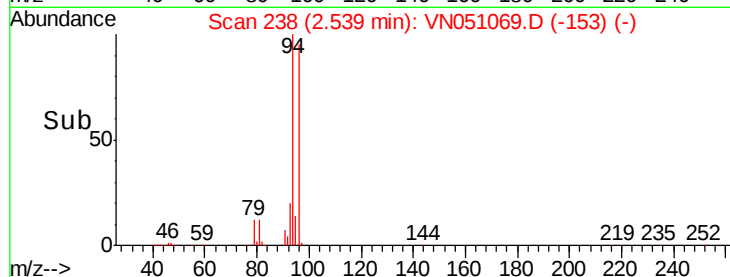
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 138.47 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN051069.D

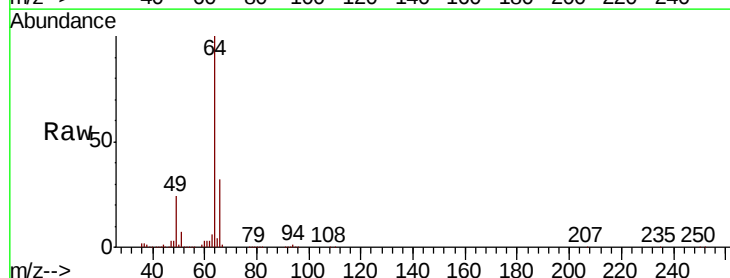
Acq: 10 Sep 2018 10:12

Tgt Ion: 64 Resp: 822188

Ion Ratio Lower Upper

64 100

66 32.3 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN051069.D (-273) (-)

Ion 65.90 (65.60 to 66.60): VN051069.D (-273) (-)

2.69

400000

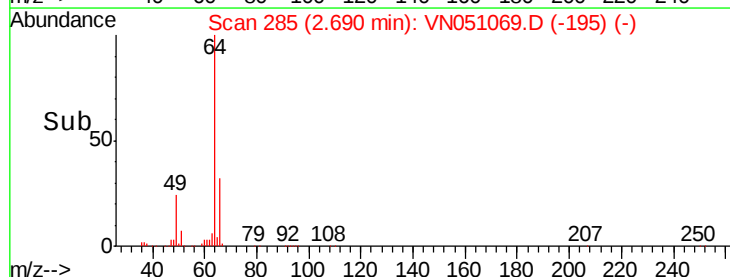
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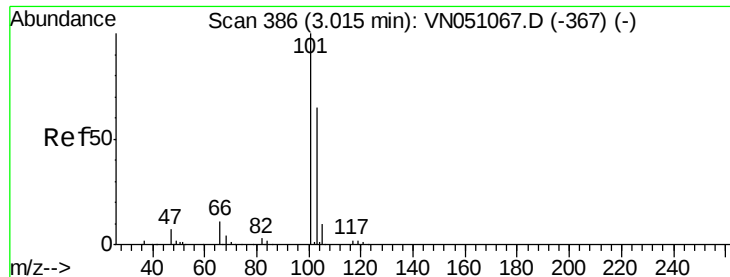
200000

100000

0

Time-->





#7

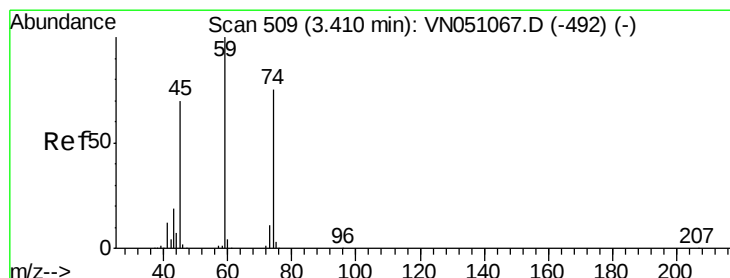
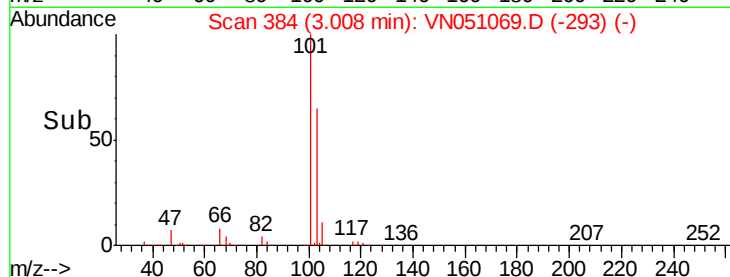
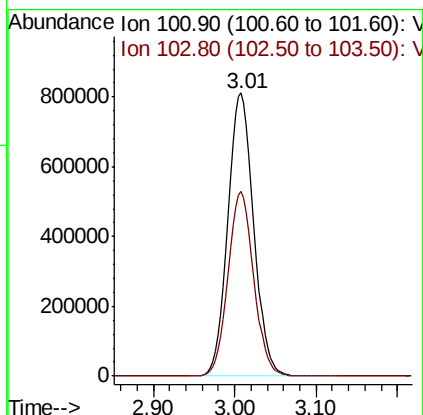
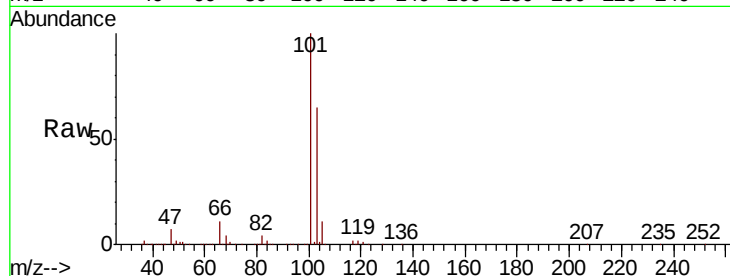
Trichlorofluoromethane
 Concen: 141.87 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1808513
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.4 78.6

Manual Integrations
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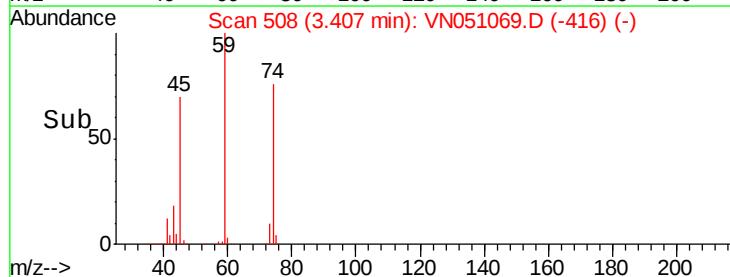
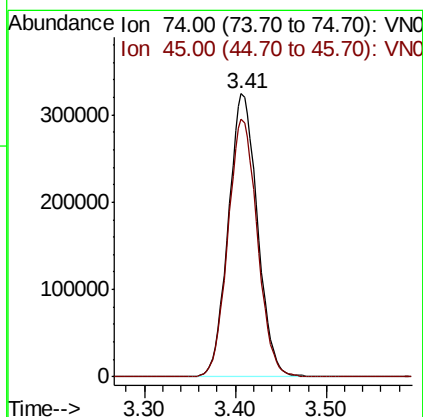
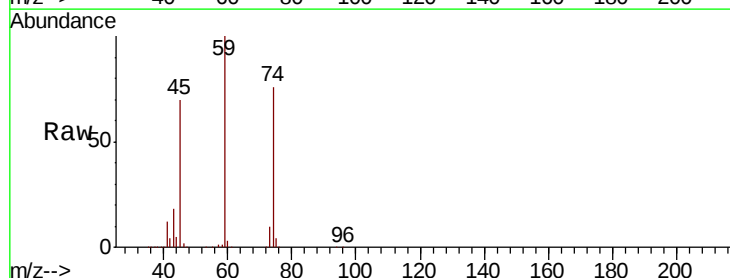
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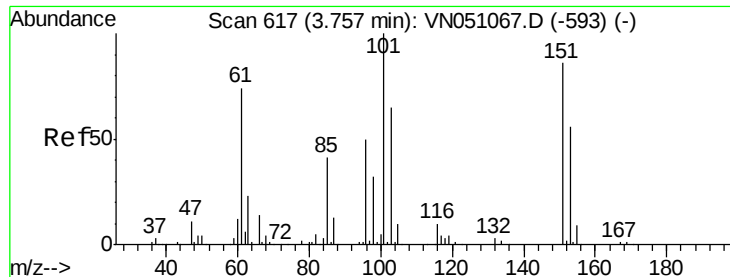


#8

Diethyl Ether
 Concen: 153.65 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion: 74 Resp: 720384
 Ion Ratio Lower Upper
 74 100
 45 92.1 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.92 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1149794

Ion Ratio Lower Upper

101 100

85 41.1 33.3 49.9

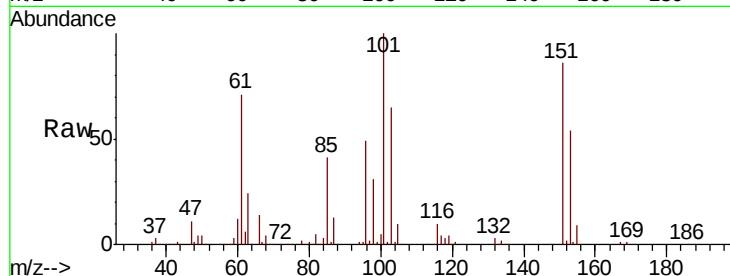
151 85.5 68.2 102.2

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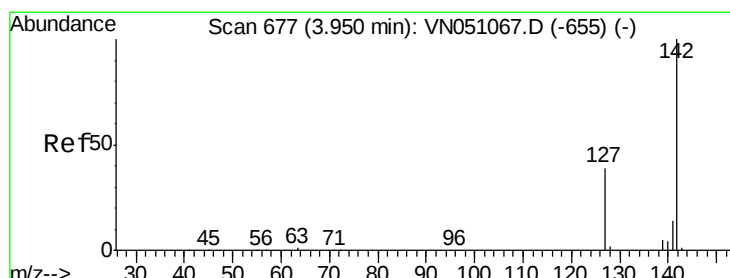
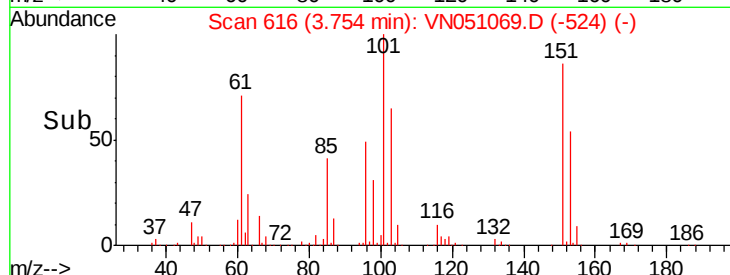
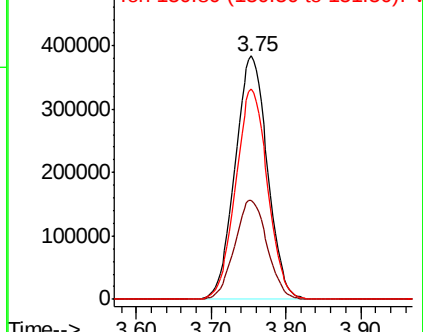


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 181.13 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

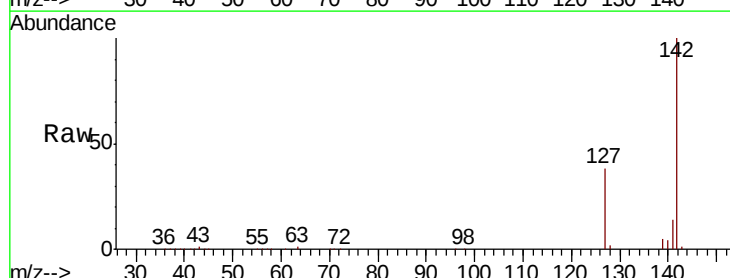
Tgt Ion:142 Resp: 1271662

Ion Ratio Lower Upper

142 100

127 37.7 31.0 46.4

141 13.8 11.3 16.9

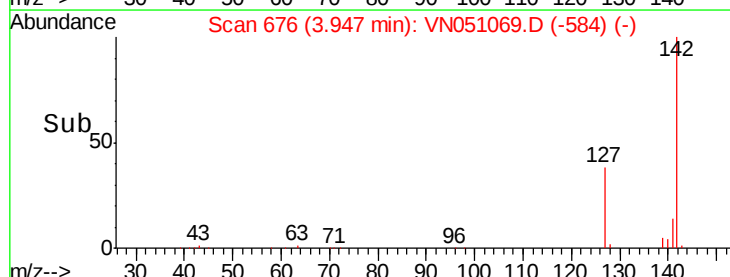
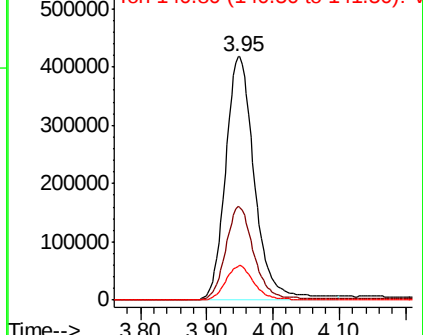


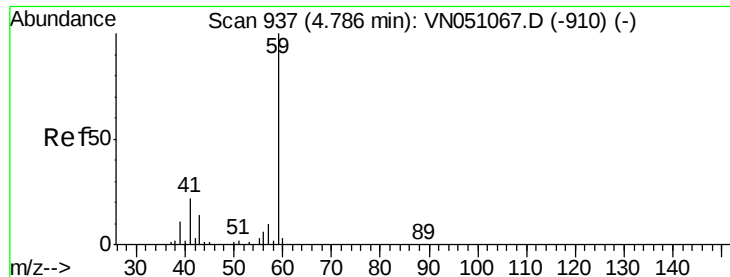
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





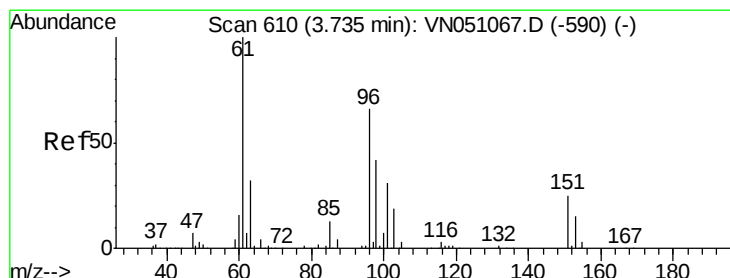
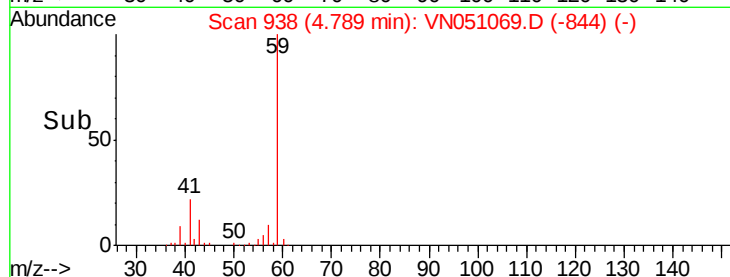
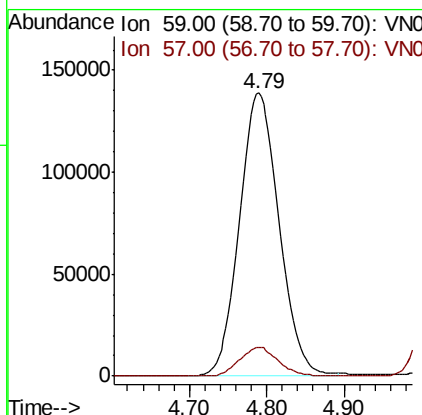
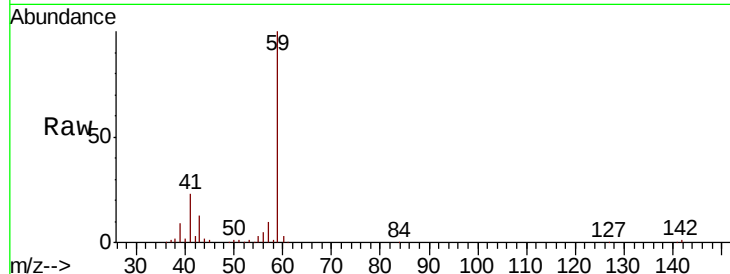
#11
Tert butyl alcohol
Concen: 802.34 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 495672
Ion Ratio Lower Upper
59 100
57 10.0 8.1 12.1

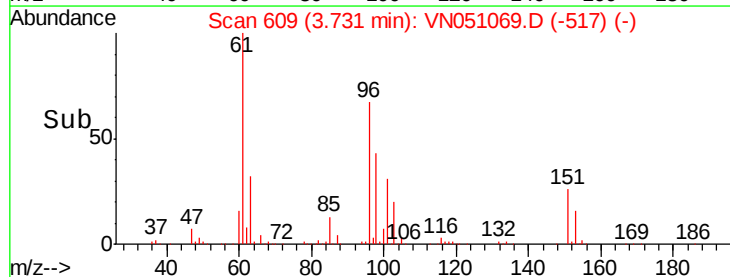
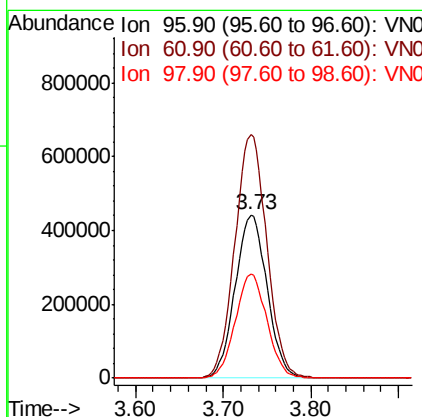
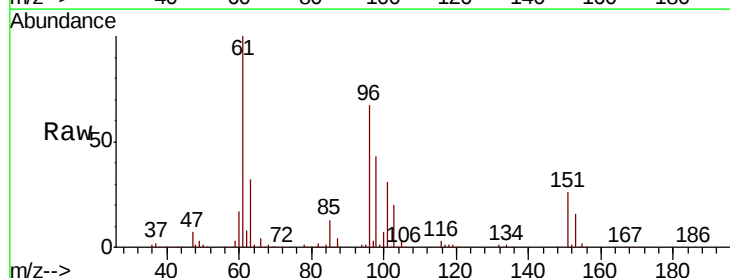
Manual Integrations
APPROVED

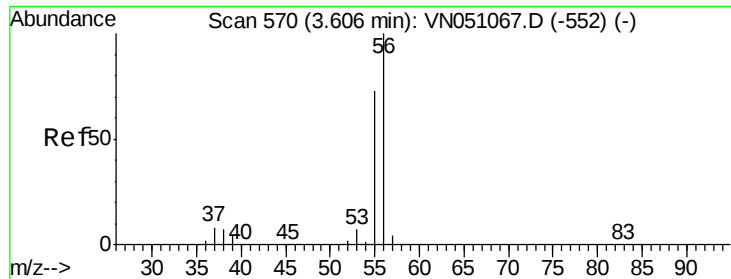
MMDadoda
9/11/2018 9:40:31 AM



#12
1,1-Dichloroethene
Concen: 144.87 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 96 Resp: 1123085
Ion Ratio Lower Upper
96 100
61 149.3 120.3 180.5
98 63.7 50.8 76.2





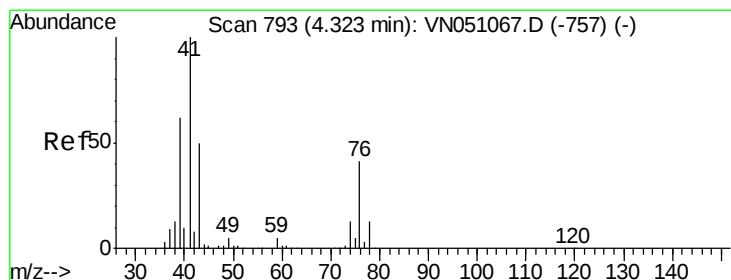
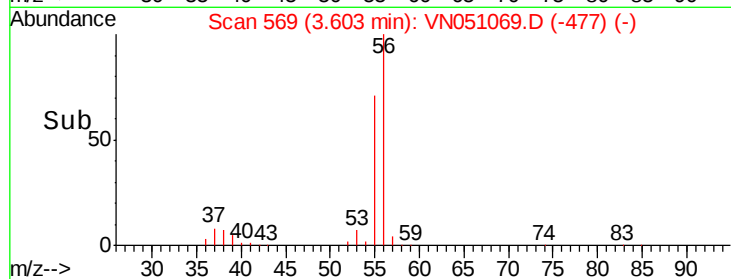
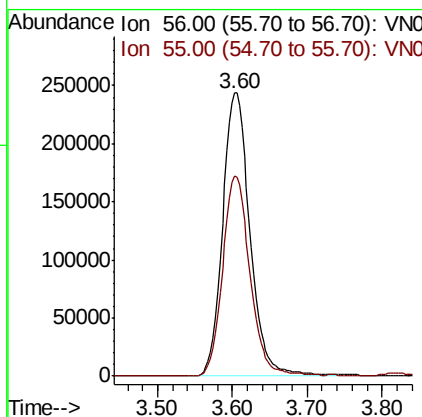
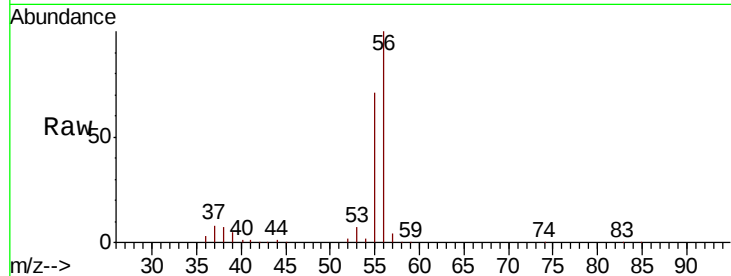
#13
Acrolein
Concen: 876.15 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	56	55	Ratio	Lower	Upper
617440	100	70.8		58.0	87.0

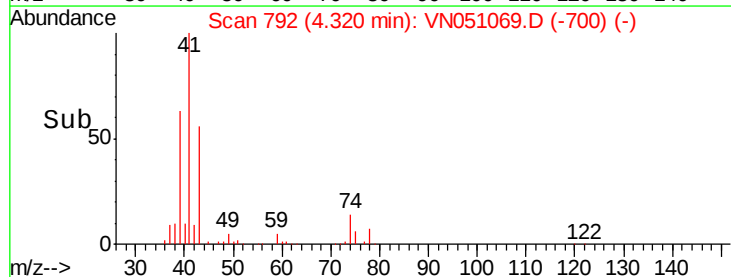
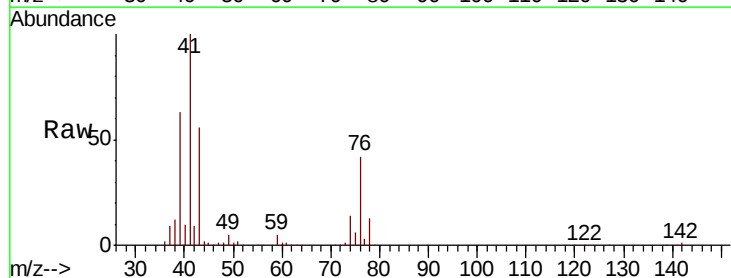
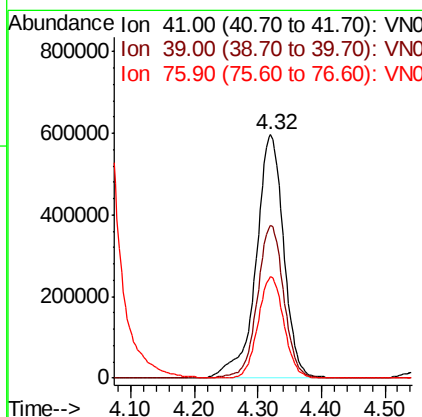
Manual Integrations
APPROVED

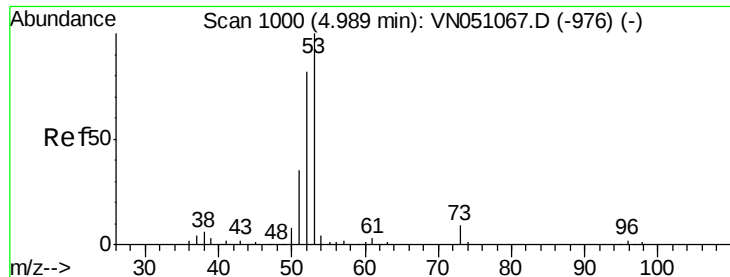
MMDadoda
9/11/2018 9:40:31 AM



#14
Allyl chloride
Concen: 152.76 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion	41	39	76	Ratio	Lower	Upper
1804417	100	60.3	38.7		48.8	73.2





#15

Acrylonitrile

Concen: 793.35 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2171737

Ion Ratio Lower Upper

53 100

52 82.7 65.3 97.9

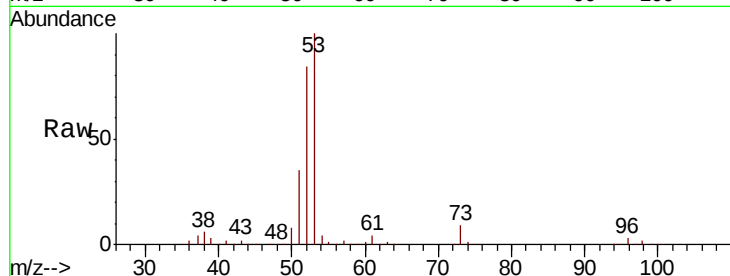
51 35.2 28.2 42.2

Manual Integrations

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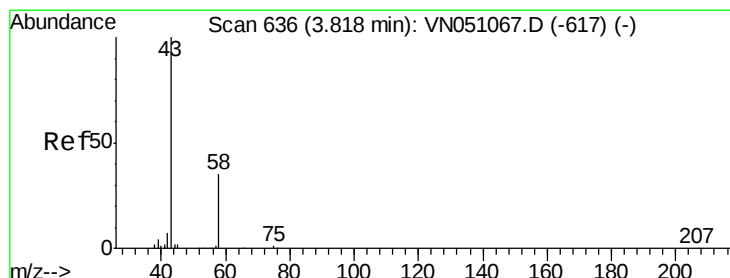
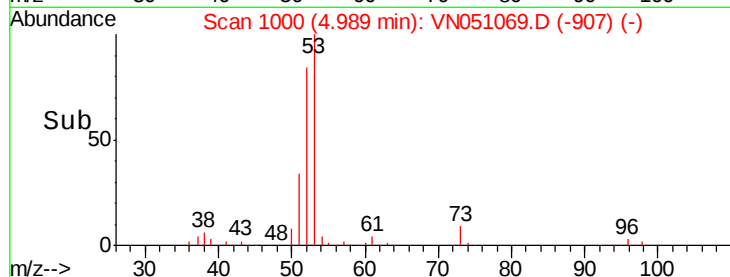
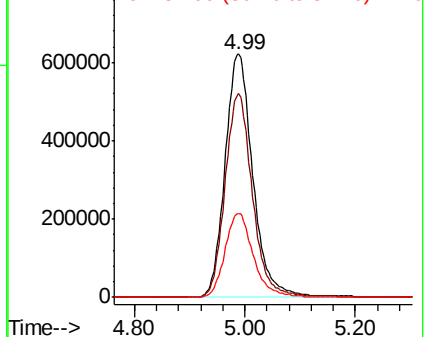


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 662.40 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051069.D

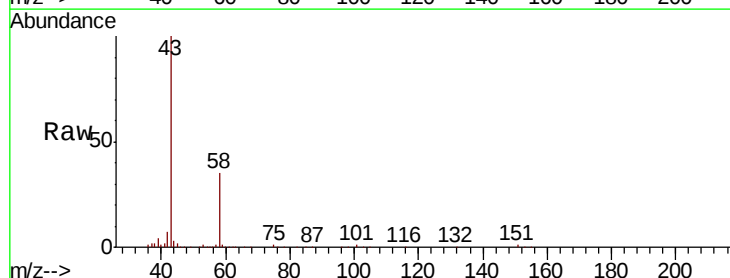
Acq: 10 Sep 2018 10:12

Tgt Ion: 43 Resp: 1488464

Ion Ratio Lower Upper

43 100

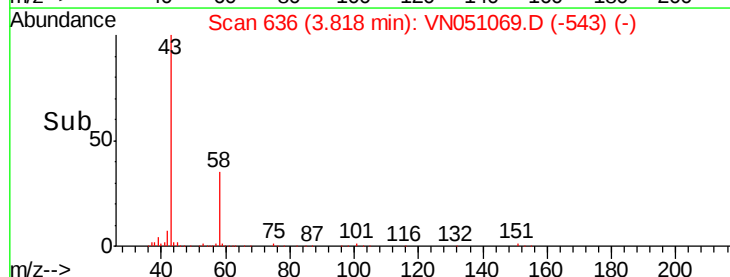
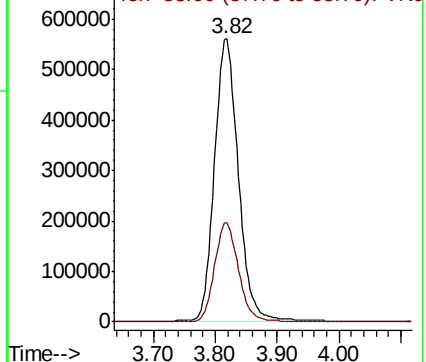
58 35.0 27.8 41.6

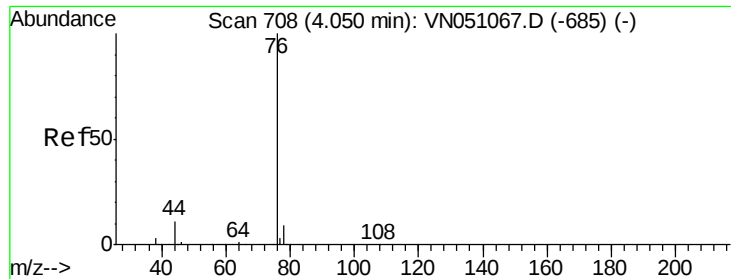


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 135.22 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Tot Ion: 76 Resp: 3449300

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

Instrument :

MSVOA_N

ClientSampleId :

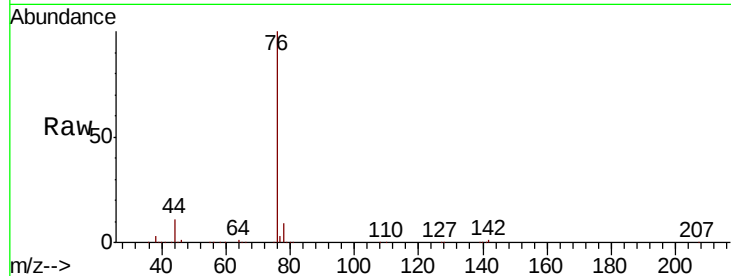
VSTDIC150

Manual Integrations

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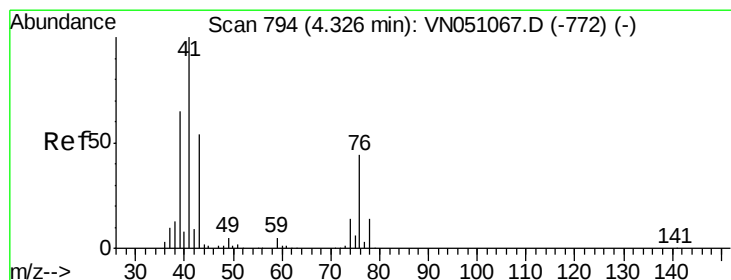
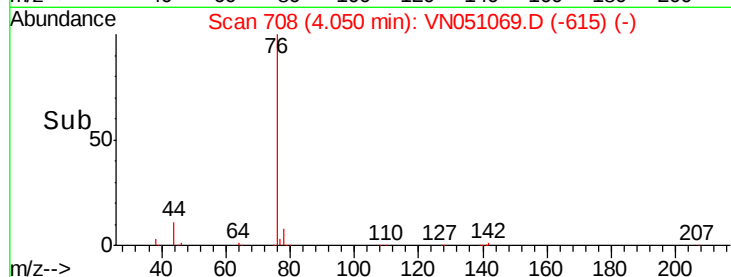
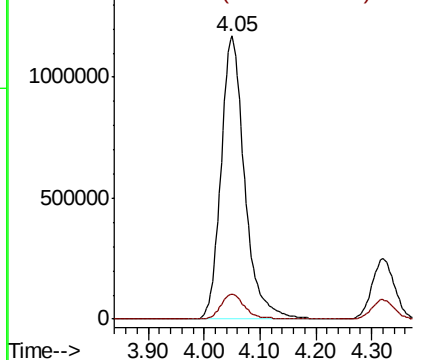
MMDadoda

9/11/2018 9:40:31 AM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 147.83 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051069.D

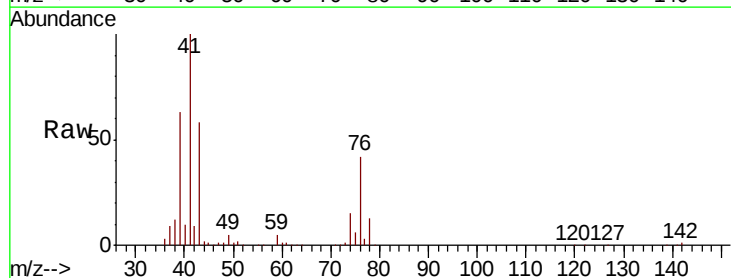
Acq: 10 Sep 2018 10:12

Tgt Ion: 43 Resp: 957515

Ion Ratio Lower Upper

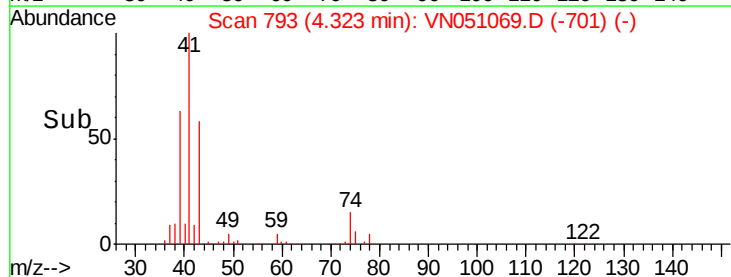
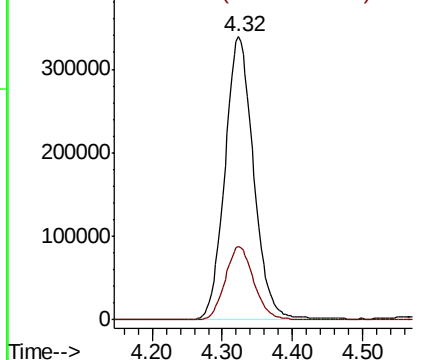
43 100

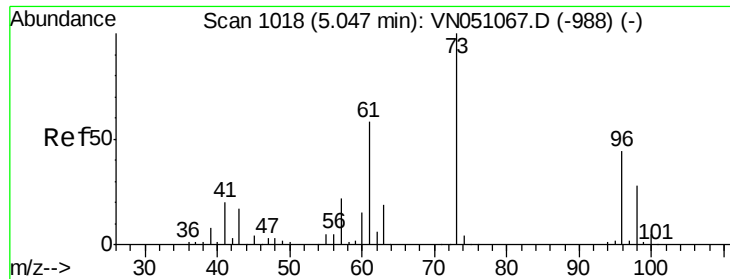
74 26.0 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





#19

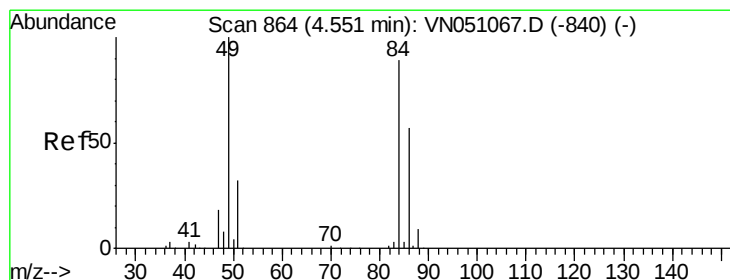
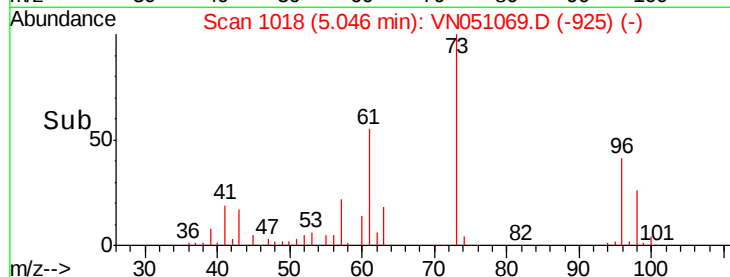
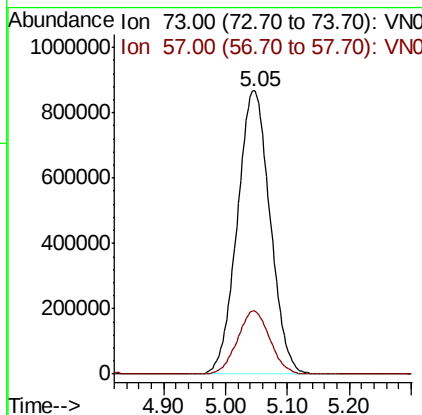
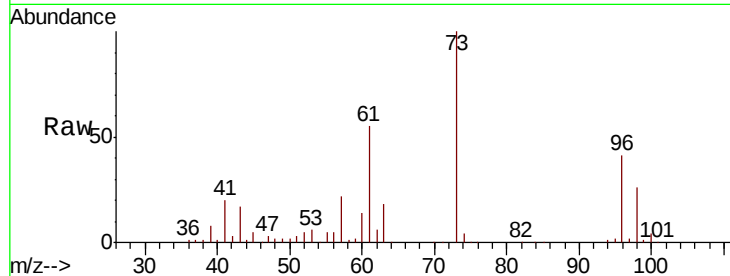
Methyl tert-butyl Ether
 Concen: 171.42 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 73 Resp: 3191923
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.9 26.9

Manual Integrations
 APPROVED

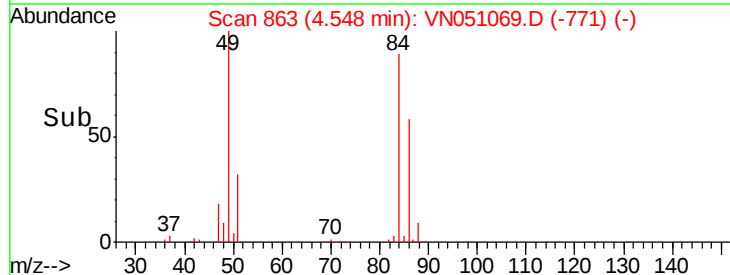
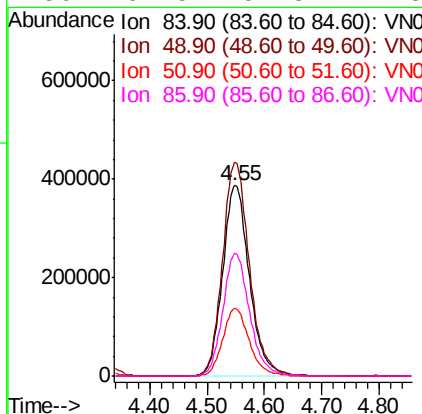
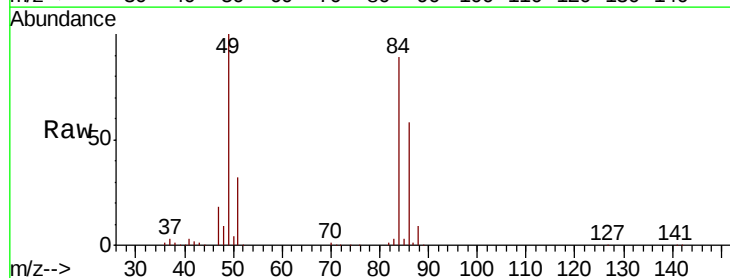
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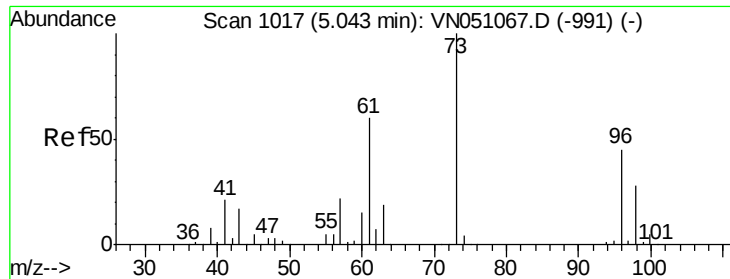


#20

Methylene Chloride
 Concen: 141.08 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion: 84 Resp: 1260414
 Ion Ratio Lower Upper
 84 100
 49 112.0 90.2 135.2
 51 35.6 28.4 42.6
 86 64.5 51.8 77.8





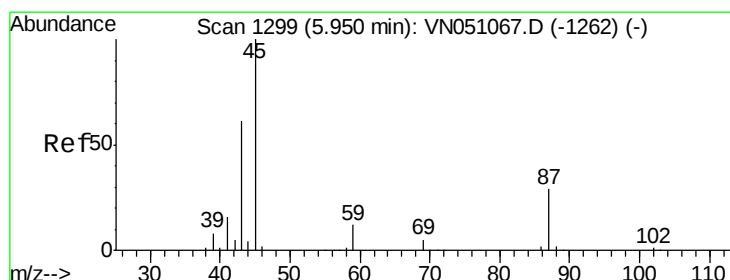
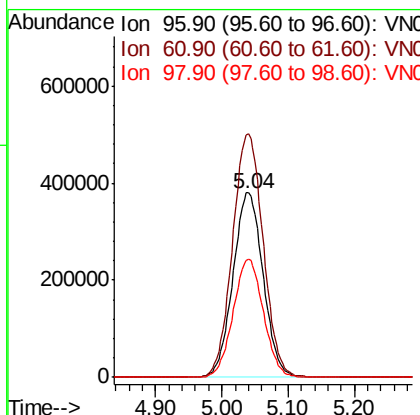
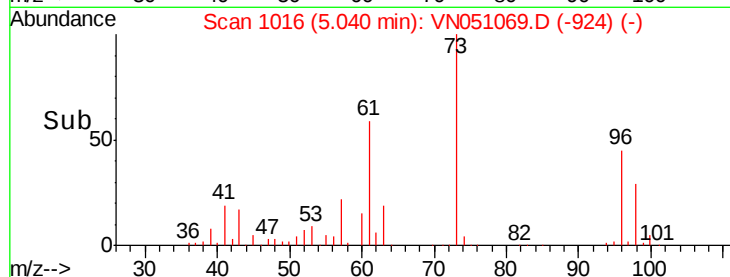
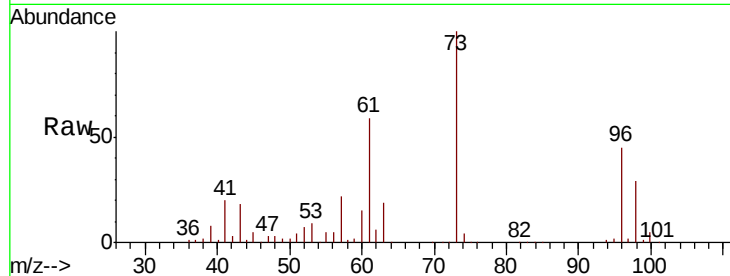
#21
trans-1,2-Dichloroethene
Concen: 142.82 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 1200979
Ion Ratio Lower Upper
96 100
61 132.0 106.5 159.7
98 64.1 50.4 75.6

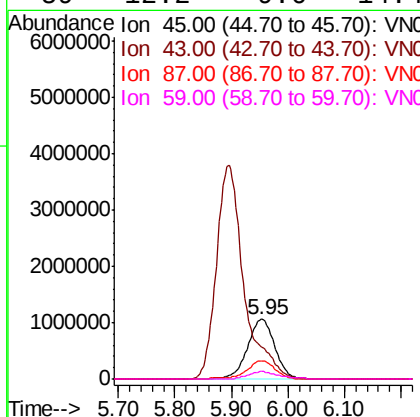
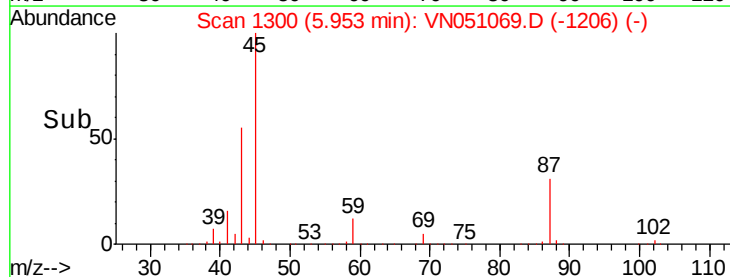
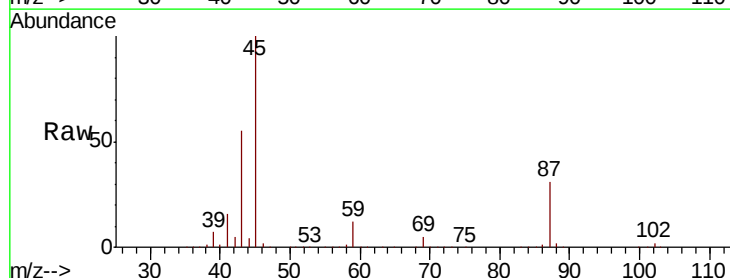
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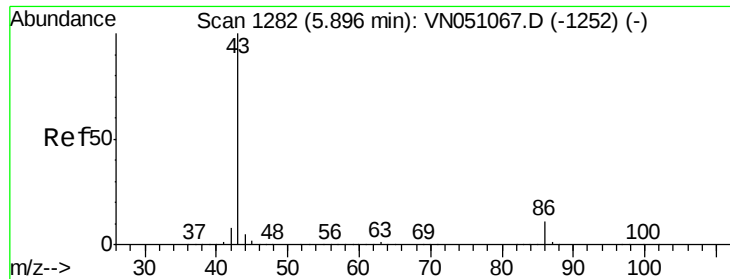
MMDadoda
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#22
Diisopropyl ether
Concen: 151.70 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 45 Resp: 3556841
Ion Ratio Lower Upper
45 100
43 54.2 48.8 73.2
87 30.5 23.8 35.8
59 12.2 9.6 14.4





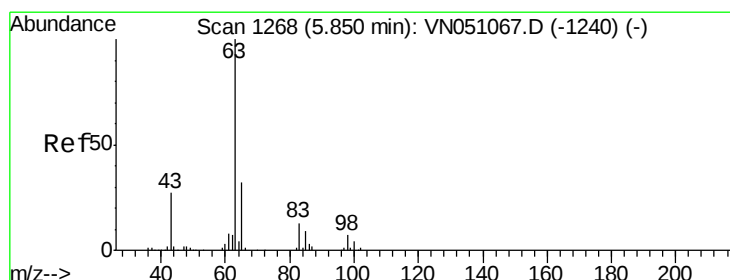
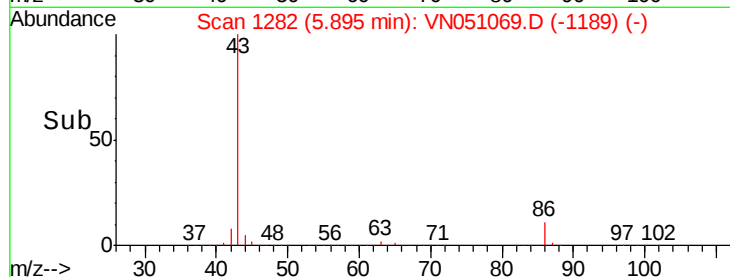
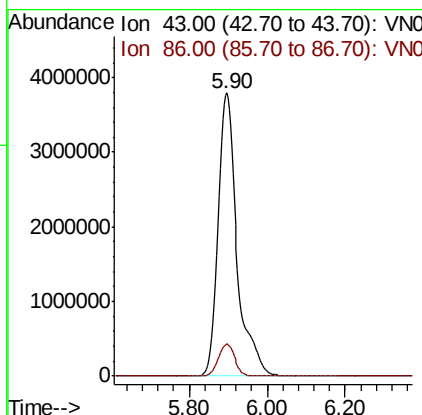
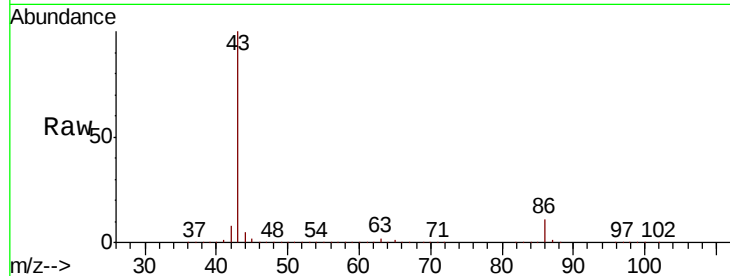
#23
 Vinyl Acetate
 Concen: 810.86 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp:12865571
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8

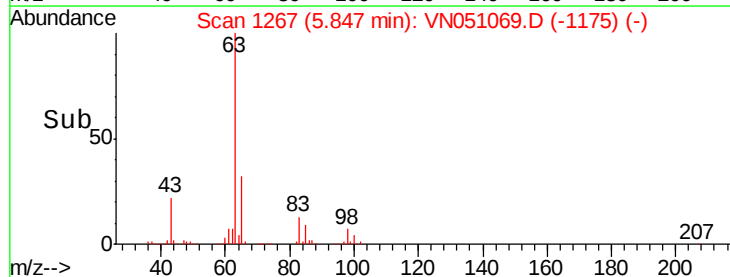
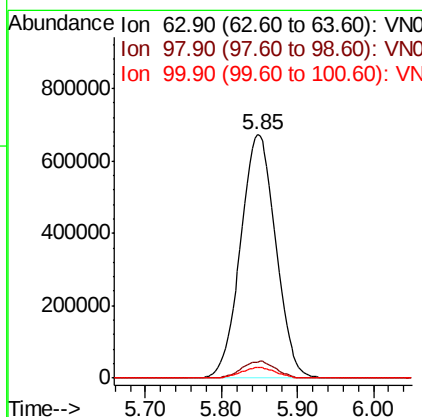
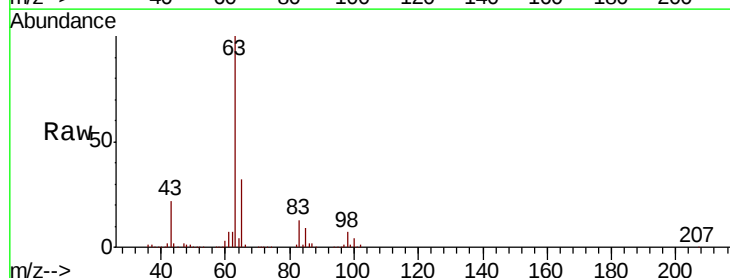
Manual Integrations
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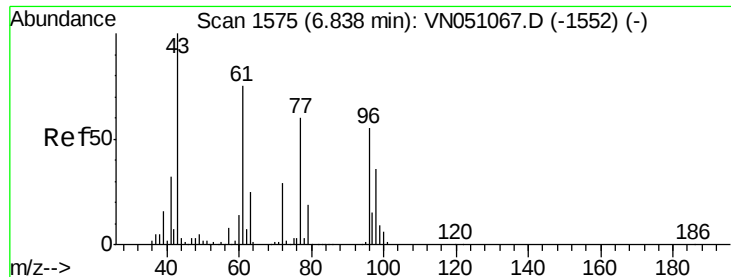
MMDadoda
 9/11/2018 9:40:31 AM



#24
 1,1-Dichloroethane
 Concen: 145.09 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion: 63 Resp: 2158230
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.1
 100 4.3 2.1 6.3





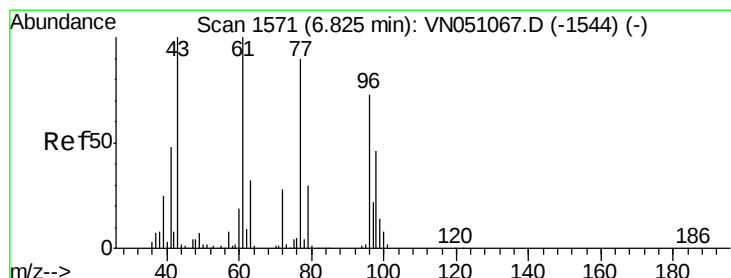
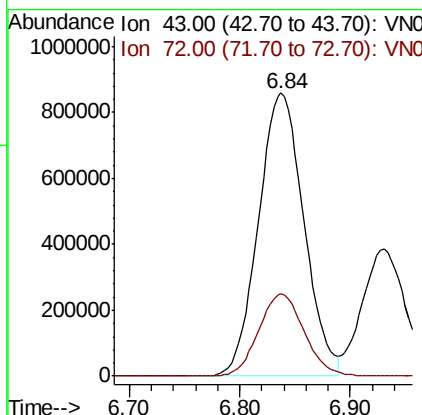
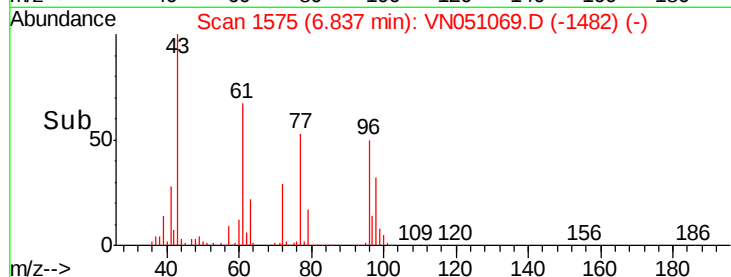
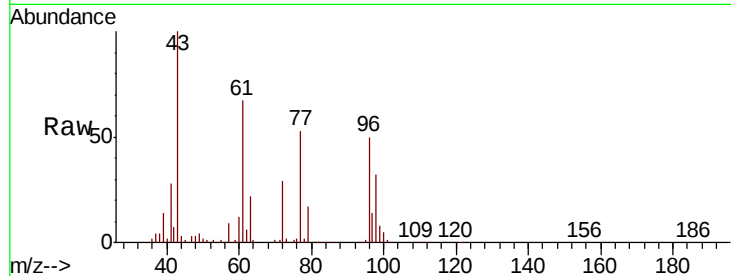
#25
2-Butanone
Concen: 770.81 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 2451129
Ion Ratio Lower Upper
43 100
72 29.1 23.0 34.6

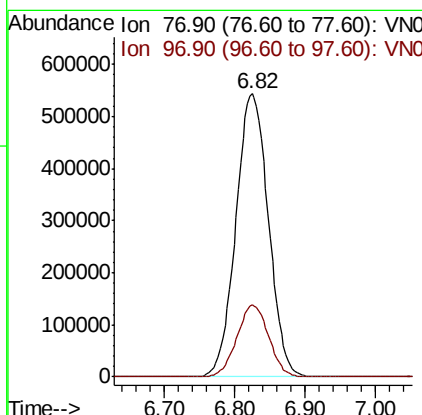
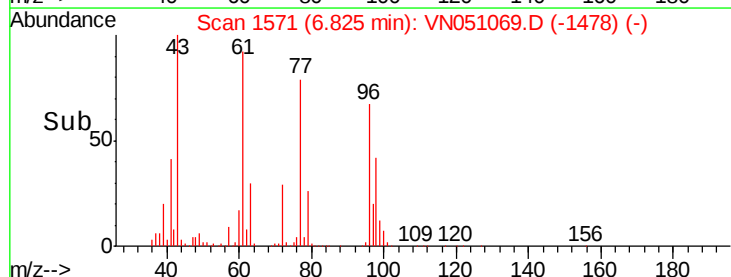
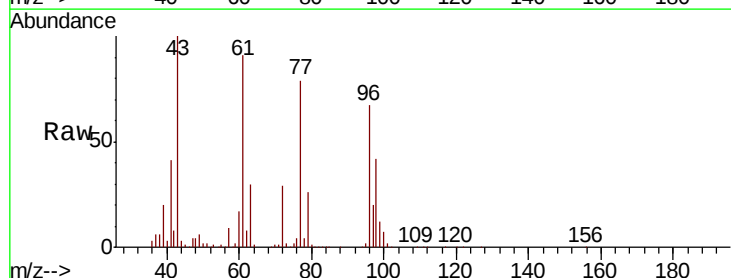
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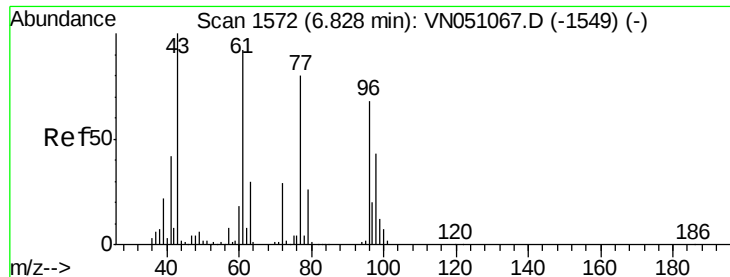
MMDadoda
9/11/2018 9:40:31 AM



#26
2,2-Dichloropropane
Concen: 143.37 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 77 Resp: 1745628
Ion Ratio Lower Upper
77 100
97 24.8 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 149.06 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1375025

Ion Ratio Lower Upper

96 100

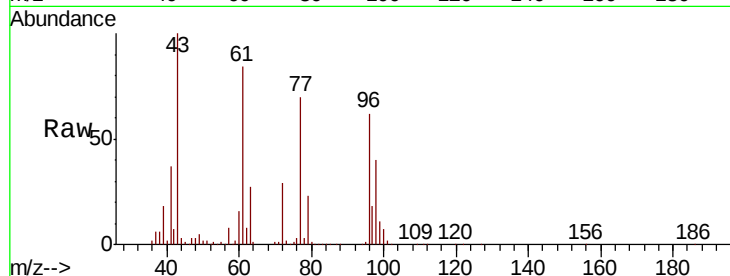
61 137.3 0.0 278.2

98 64.2 0.0 129.4

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Abundance Ion 95.90 (95.60 to 96.60): VN051067.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051067.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051067.D (-1549) (-)

800000

600000

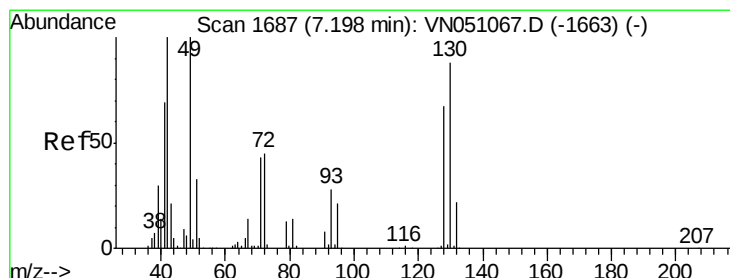
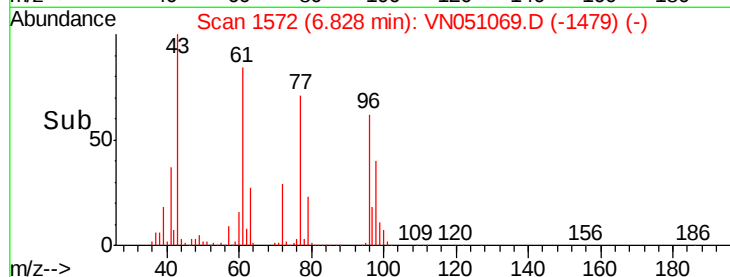
400000

200000

0

6.70 6.80 6.90 7.00

Time-->



#28

Bromochloromethane

Concen: 138.37 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

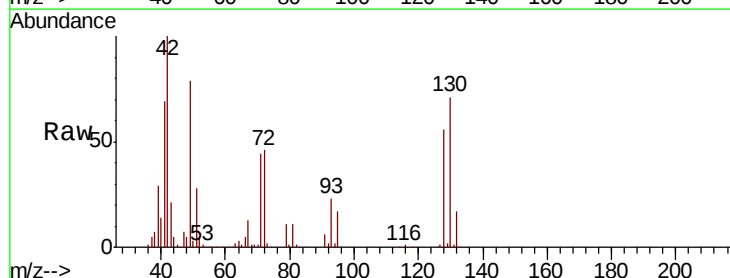
Tgt Ion: 49 Resp: 916159

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 89.4 70.7 106.1



Abundance Ion 48.90 (48.60 to 49.60): VN051067.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN051067.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN051067.D (-1663) (-)

400000

300000

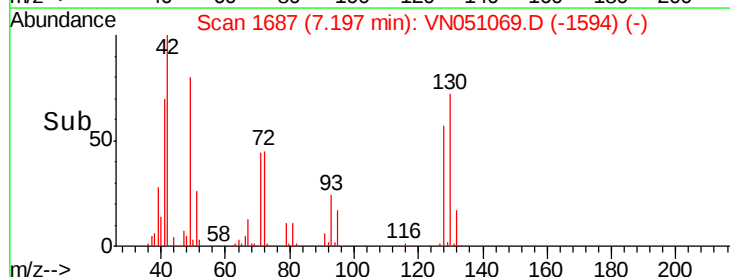
200000

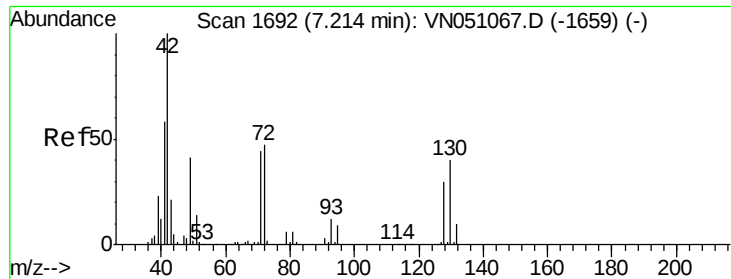
100000

0

7.10 7.20 7.30

Time-->





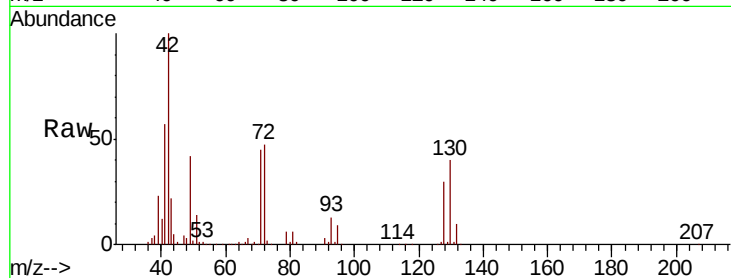
#29
Tetrahydrofuran
Concen: 806.82 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

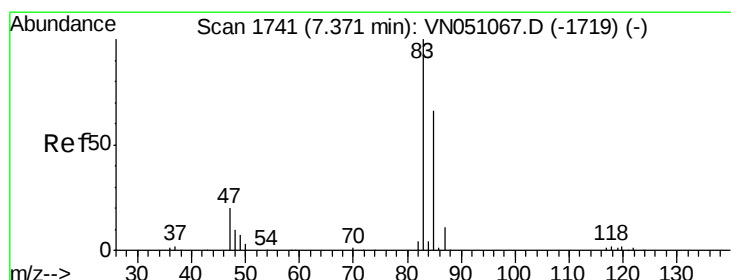
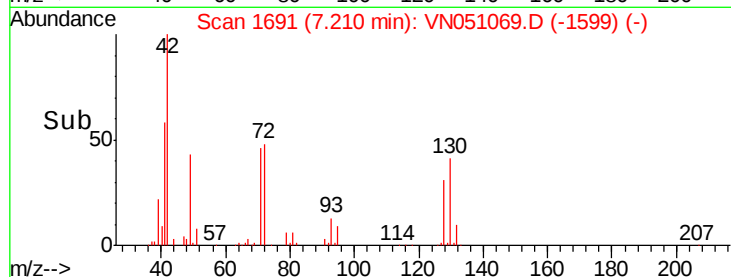
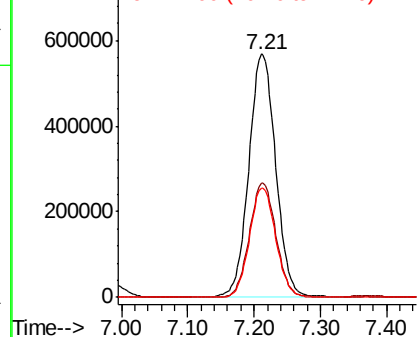
Tot Ion: 42 Resp: 1602198
Ion Ratio Lower Upper
42 100
72 46.4 37.4 56.0
71 44.0 34.7 52.1

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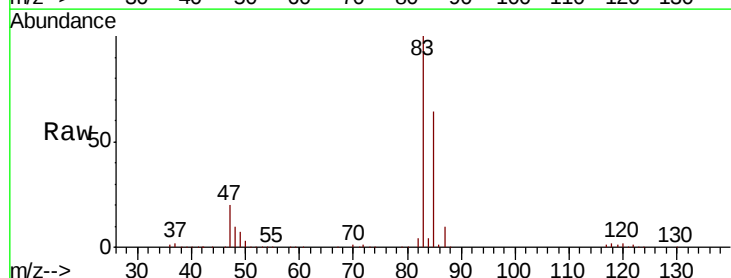


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

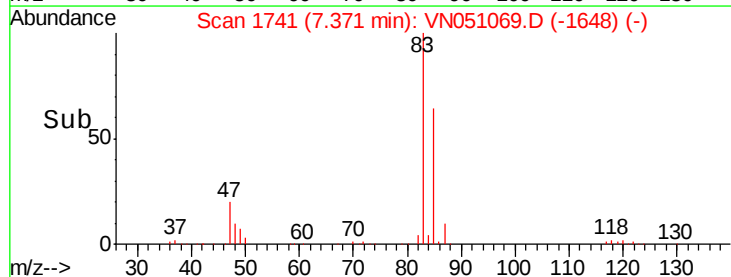
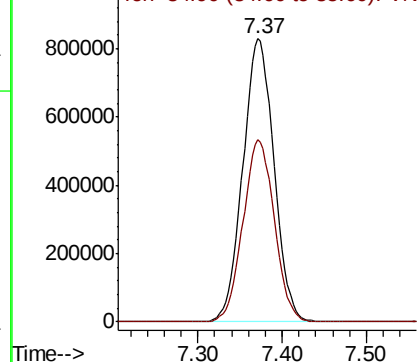


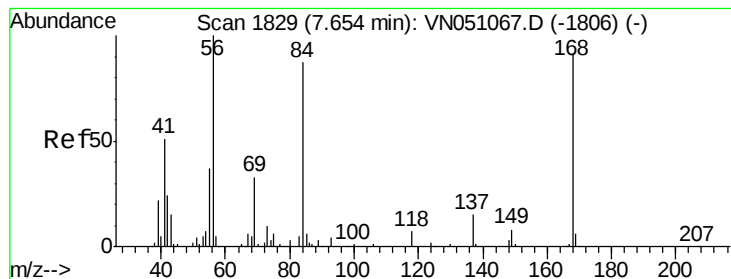
#30
Chloroform
Concen: 144.12 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 83 Resp: 2132793
Ion Ratio Lower Upper
83 100
85 64.2 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 132.30 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 1990337

Ion Ratio Lower Upper

56 100

69 32.0 26.3 39.5

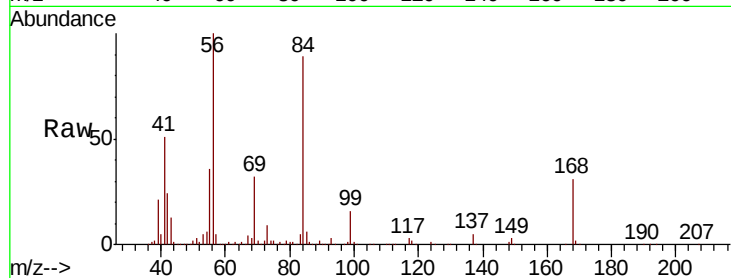
84 87.2 69.4 104.0

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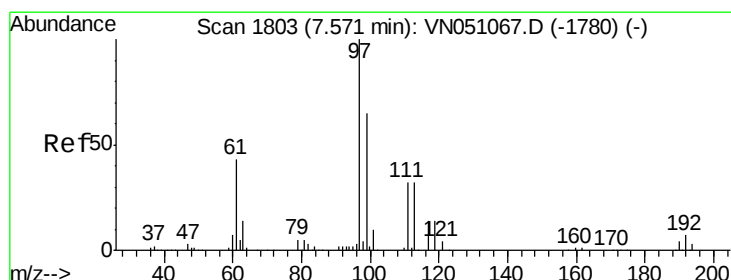
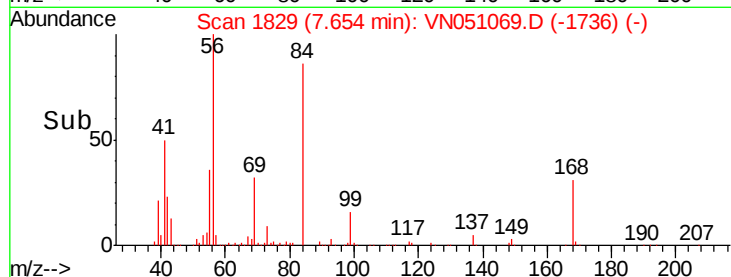
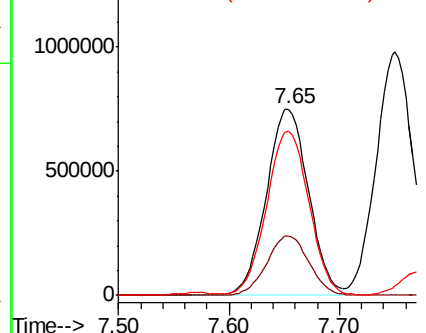
9/11/2018 9:40:31 AM



Abundance Ion 56.00 (55.70 to 56.70): VN051069.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051069.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051069.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 146.36 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

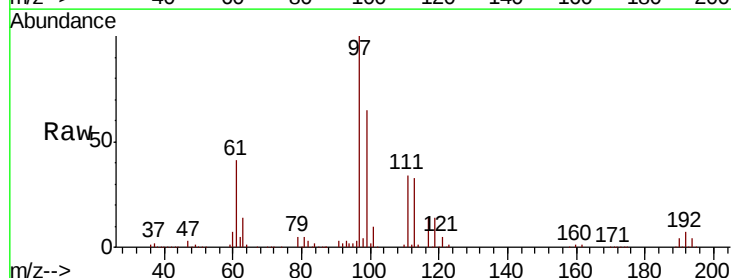
Tgt Ion: 97 Resp: 1845484

Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

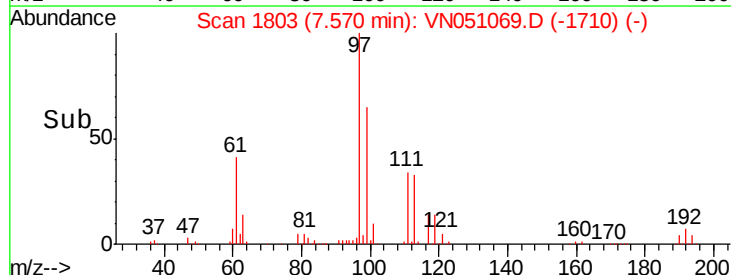
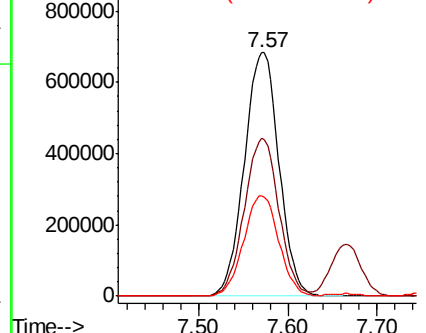
61 41.8 33.8 50.6

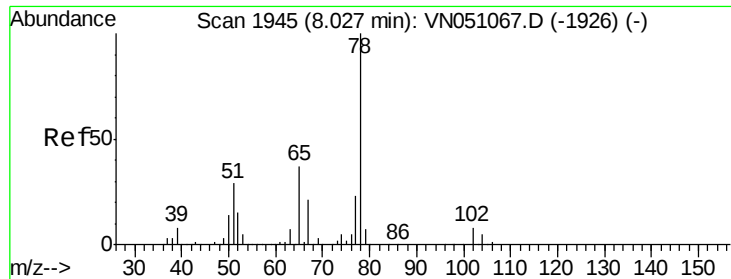


Abundance Ion 96.90 (96.60 to 97.60): VN051069.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN051069.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN051069.D (-1710) (-)





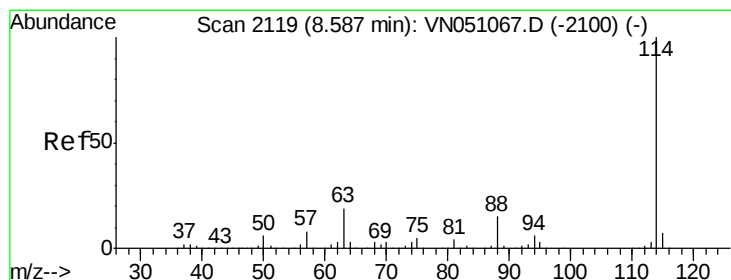
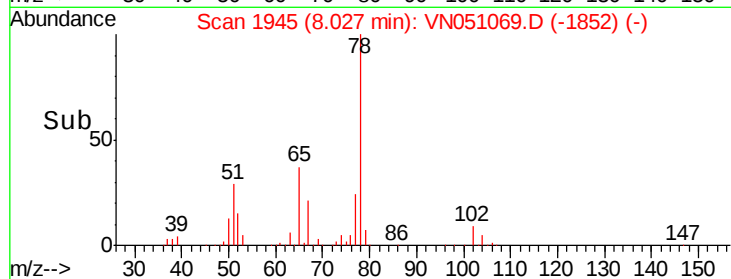
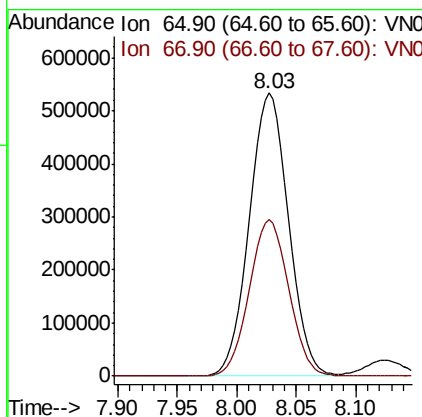
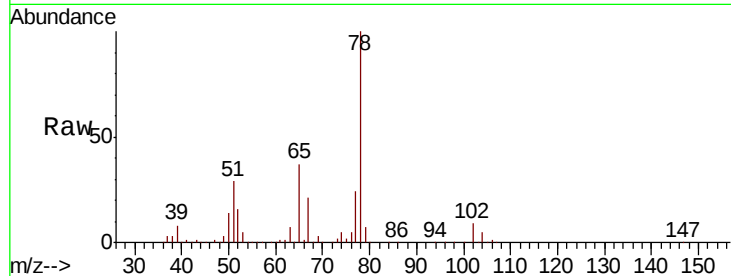
#33
 1,2-Dichloroethane-d4
 Concen: 151.00 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1221274
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 112.0

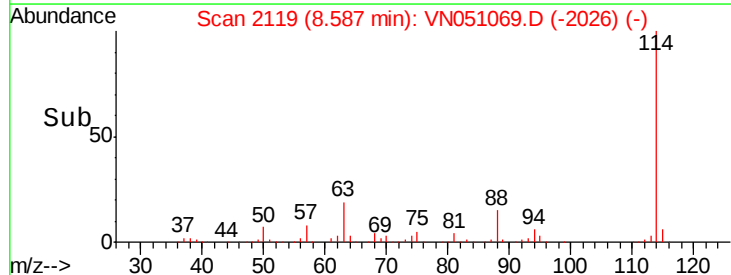
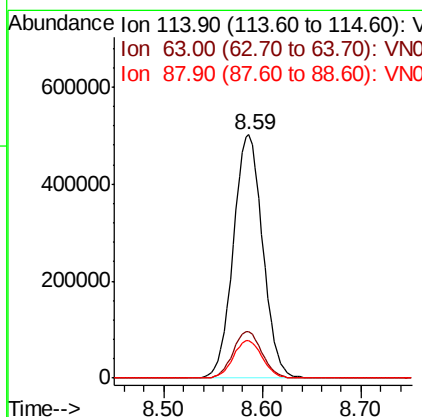
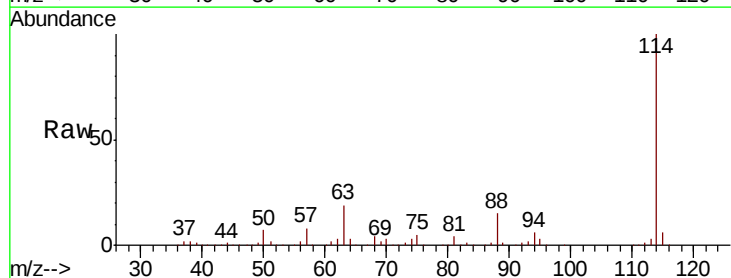
Manual Integrations
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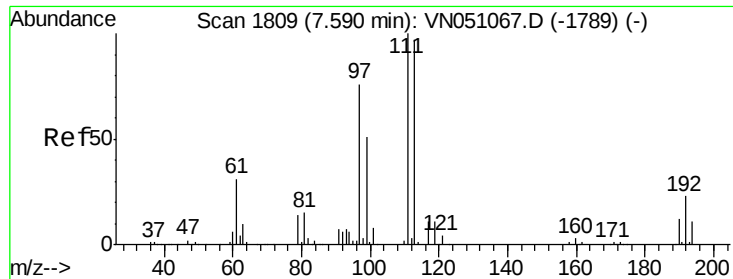
MMDadoda
 9/11/2018 9:40:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion: 114 Resp: 1037568
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 15.2 0.0 30.8





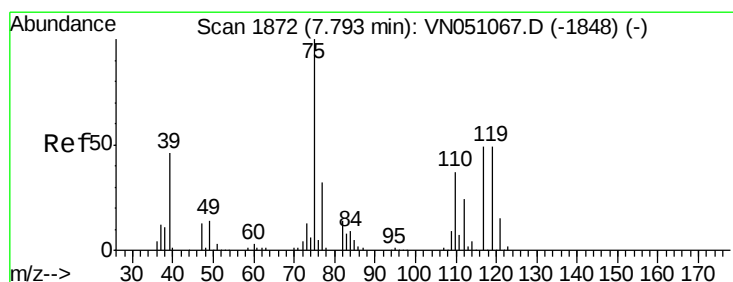
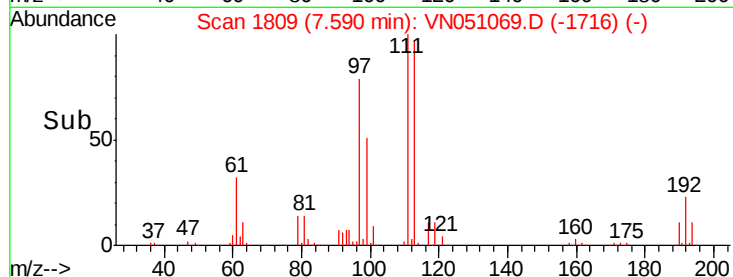
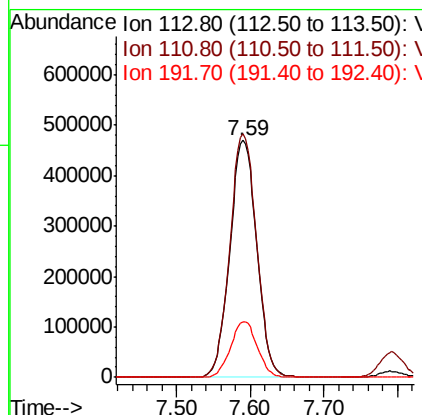
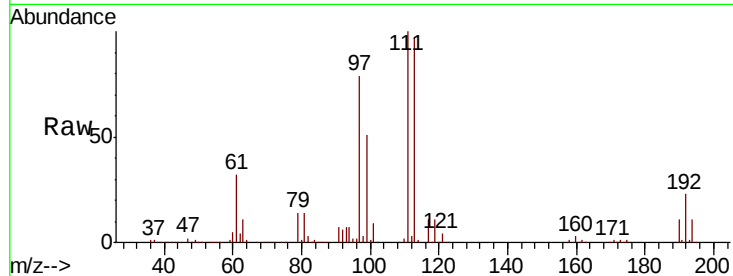
#35
 Dibromofluoromethane
 Concen: 153.06 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.0	124.6
192	23.4	18.7	28.1

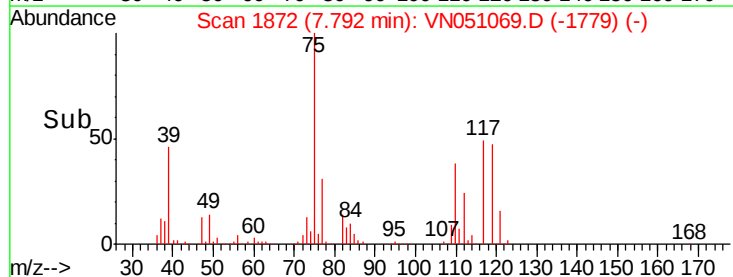
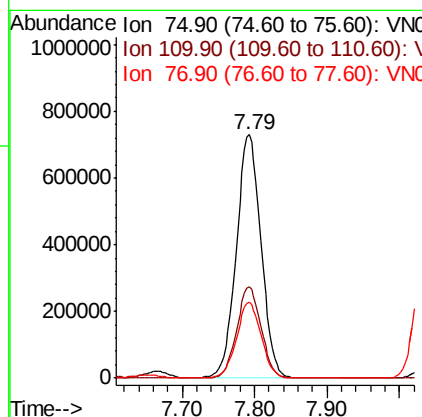
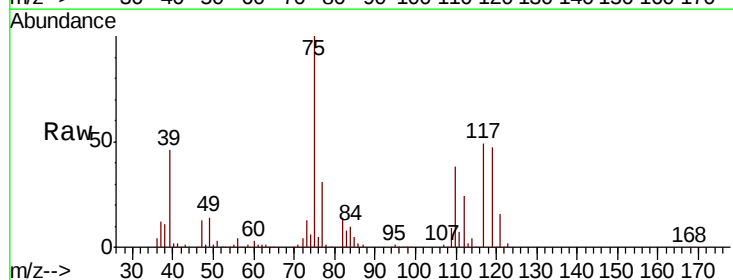
Manual Integrations
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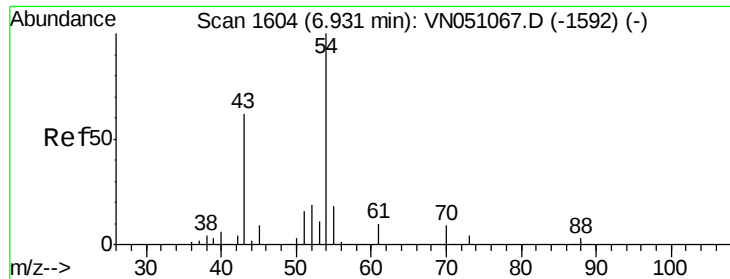
MMDadoda
 9/11/2018 9:40:31 AM



#36
 1,1-Dichloropropene
 Concen: 151.79 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.6	55.8
77	31.0	25.2	37.8





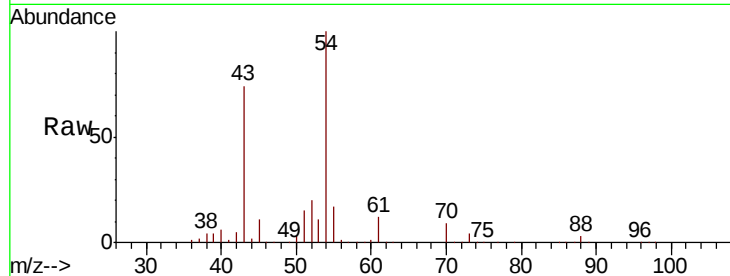
#37
Ethyl Acetate
Concen: 164.05 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleID :
VSTDIC150

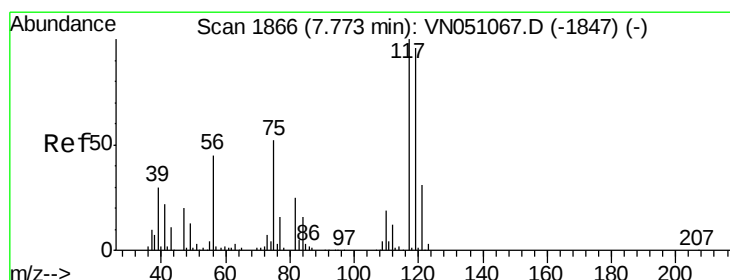
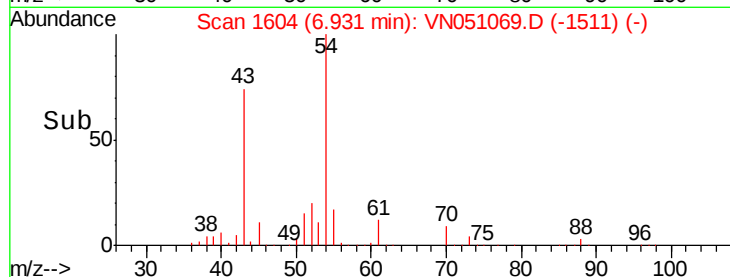
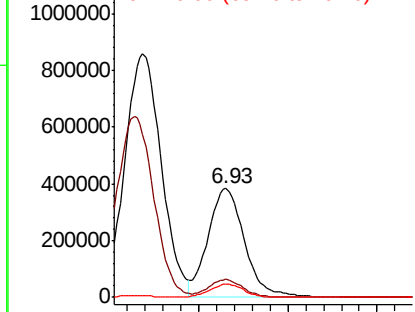
Tot Ion: 43 Resp: 1082317
Ion Ratio Lower Upper
43 100
61 15.7 12.4 18.6
70 11.5 9.3 13.9

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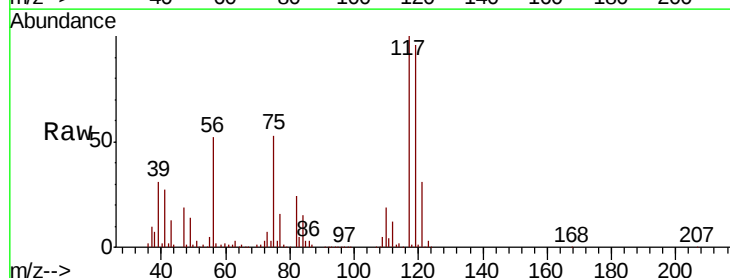


Abundance Ion 43.00 (42.70 to 43.70): VN051069.D (-1592) (-)
Ion 60.90 (60.60 to 61.60): VN051069.D (-1592) (-)
Ion 70.00 (69.70 to 70.70): VN051069.D (-1592) (-)

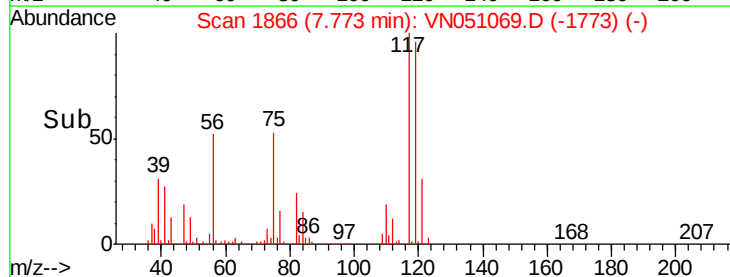
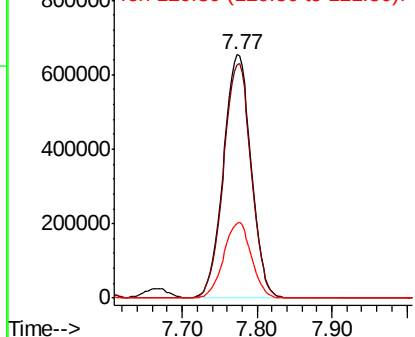


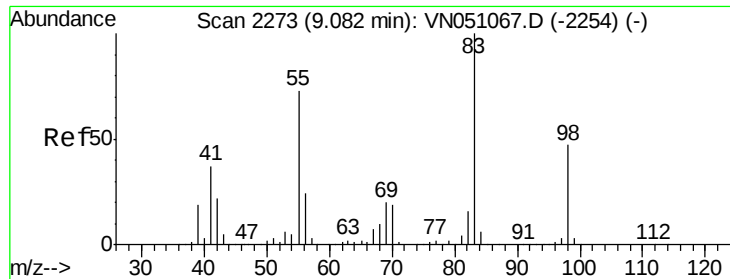
#38
Carbon Tetrachloride
Concen: 149.39 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 117 Resp: 1674920
Ion Ratio Lower Upper
117 100
119 96.1 76.8 115.2
121 30.7 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): VN051069.D (-1847) (-)
Ion 118.80 (118.50 to 119.50): VN051069.D (-1847) (-)
Ion 120.80 (120.50 to 121.50): VN051069.D (-1847) (-)





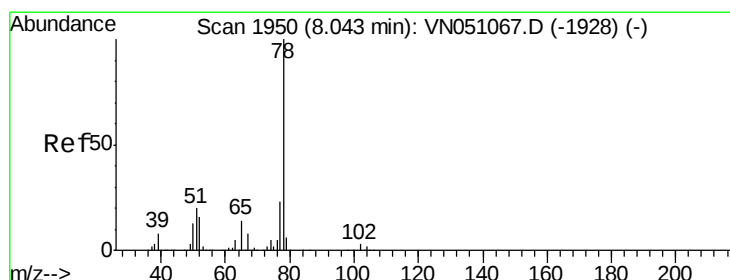
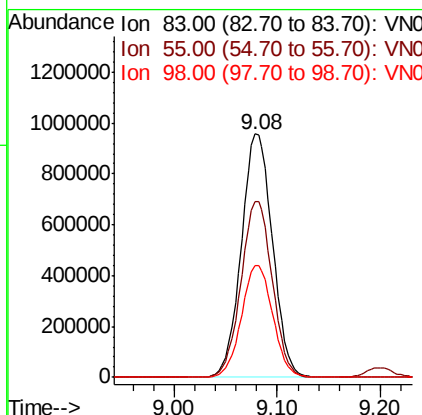
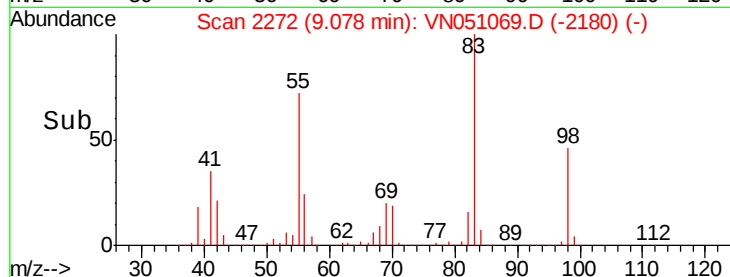
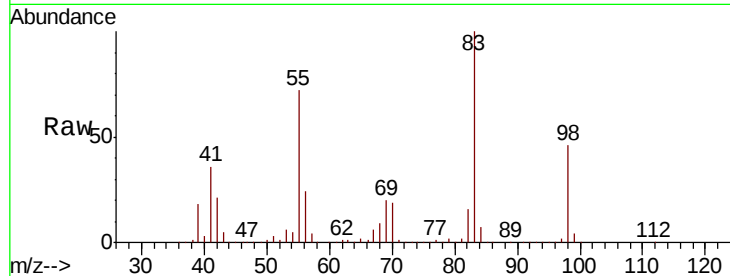
#39
Methvlcvclohexane
Concen: 159.93 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 2010053
Ion Ratio Lower Upper
83 100
55 72.4 58.4 87.6
98 45.7 37.3 55.9

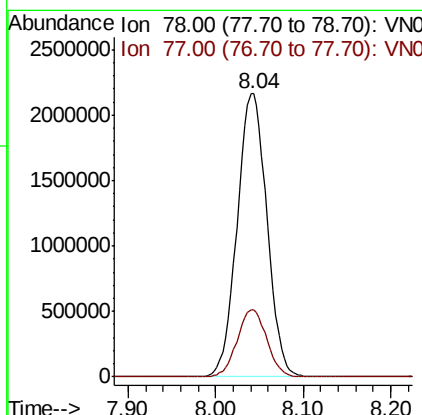
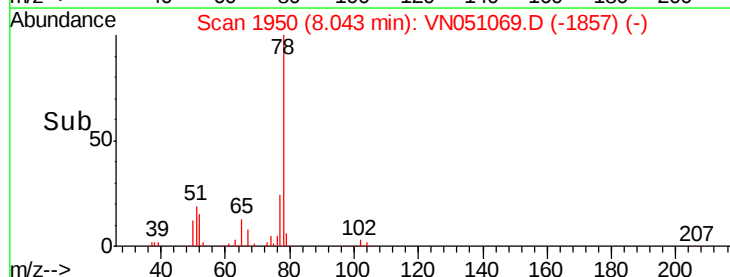
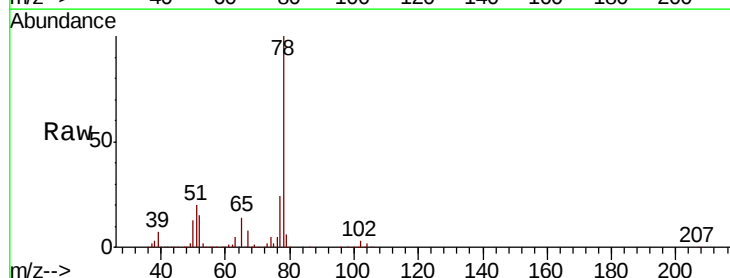
Manual Integrations
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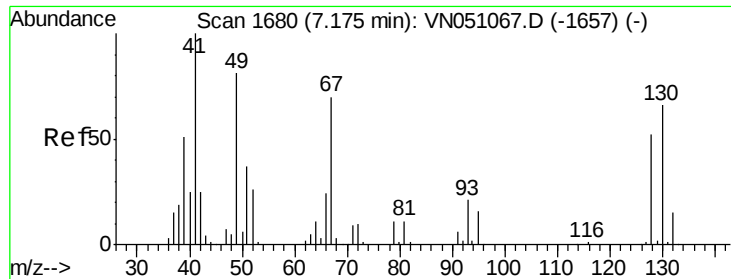
MMDadoda
9/11/2018 9:40:31 AM



#40
Benzene
Concen: 148.93 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 78 Resp: 5112293
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8





#41

Methacrylonitrile

Concen: 172.28 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 586450

Ion Ratio Lower Upper

41 100

39 58.2 51.3 76.9

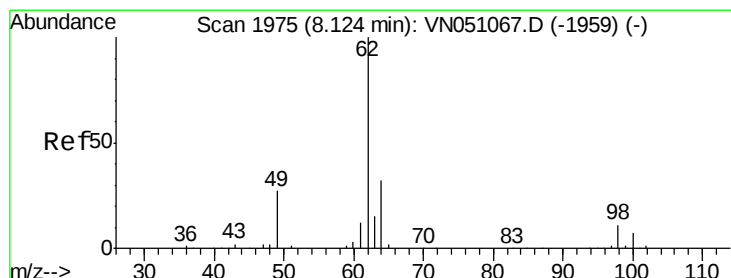
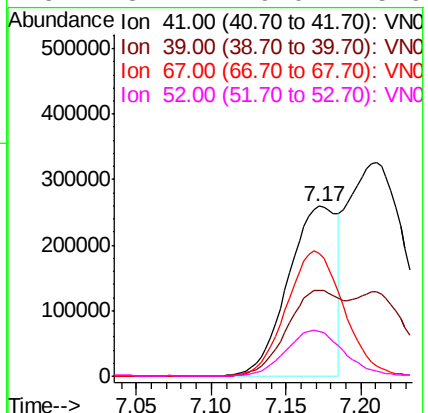
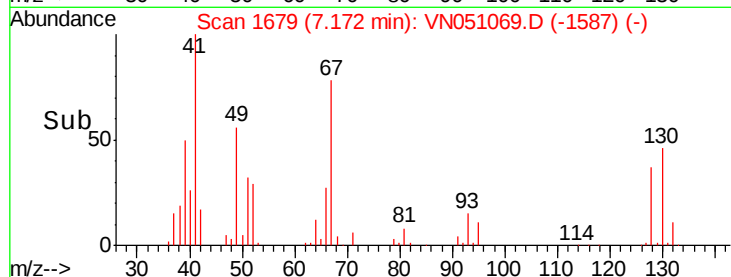
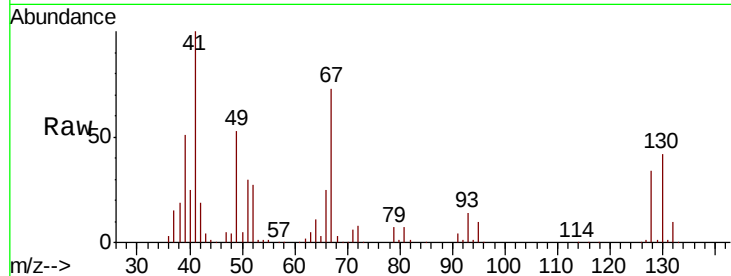
67 87.3 78.5 117.7

52 32.2 29.0 43.6

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#42

1,2-Dichloroethane

Concen: 148.10 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN051069.D

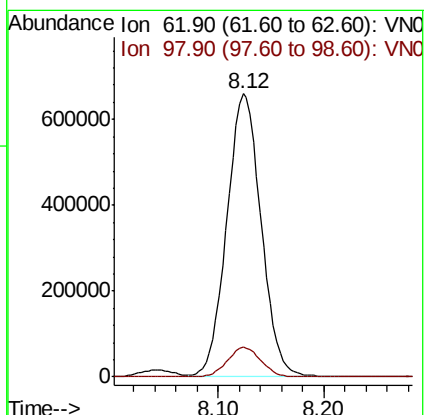
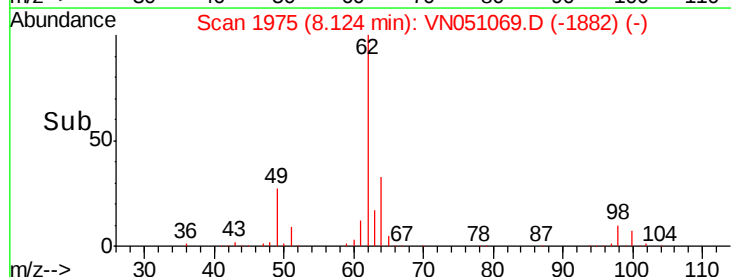
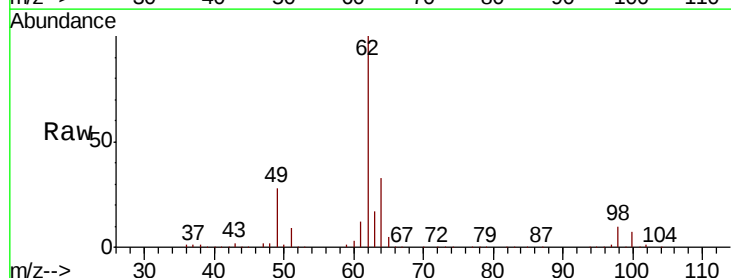
Acq: 10 Sep 2018 10:12

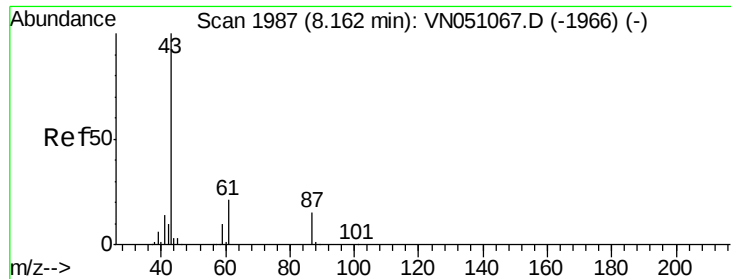
Tgt Ion: 62 Resp: 1481846

Ion Ratio Lower Upper

62 100

98 10.4 0.0 21.0





#43

Isopropyl Acetate

Concen: 163.47 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1902958

Ion Ratio Lower Upper

43 100

61 31.1 25.0 37.6

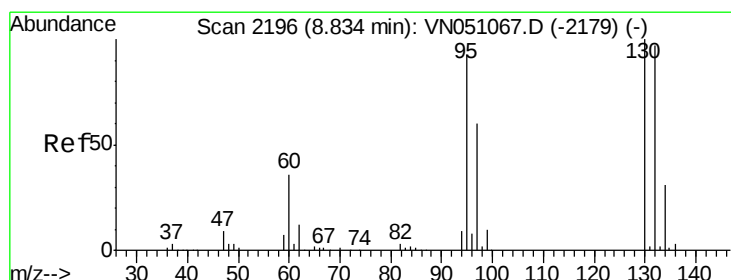
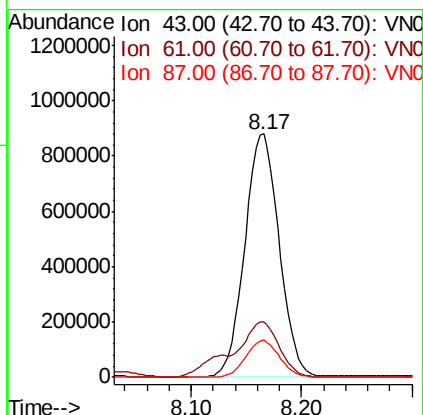
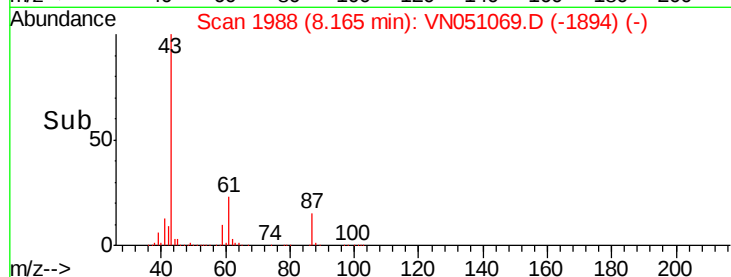
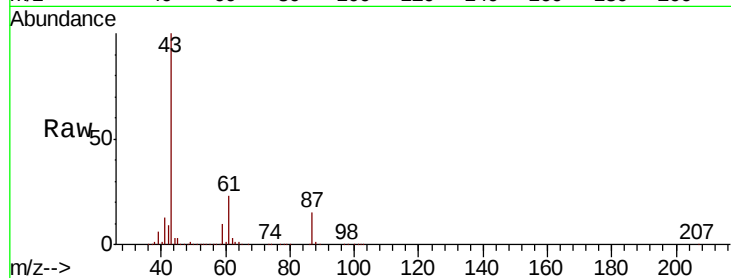
87 15.0 11.8 17.8

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#44

Trichloroethene

Concen: 148.49 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051069.D

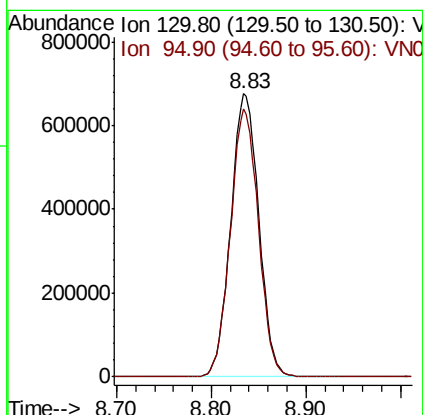
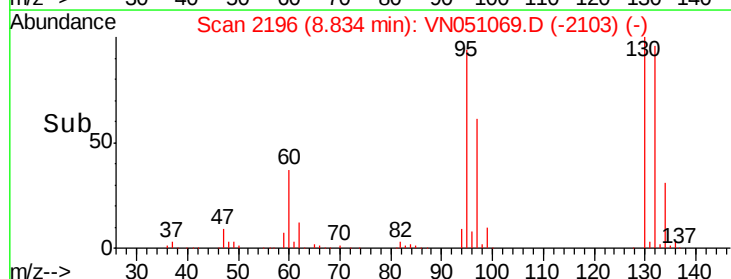
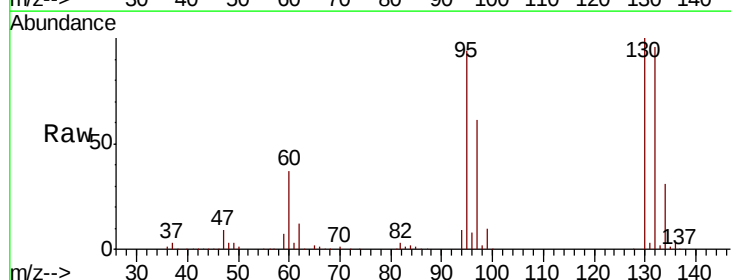
Acq: 10 Sep 2018 10:12

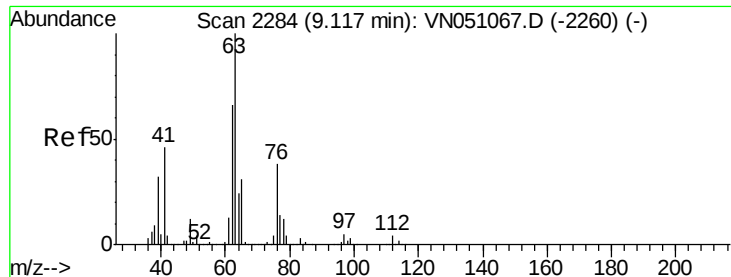
Tgt Ion:130 Resp: 1394165

Ion Ratio Lower Upper

130 100

95 94.5 0.0 186.2





#45

1,2-Dichloropropane

Concen: 149.81 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1328811

Ion Ratio Lower Upper

63 100

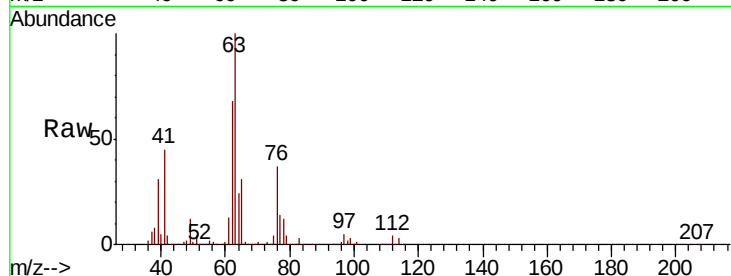
65 30.7 24.7 37.1

Manual Integrations

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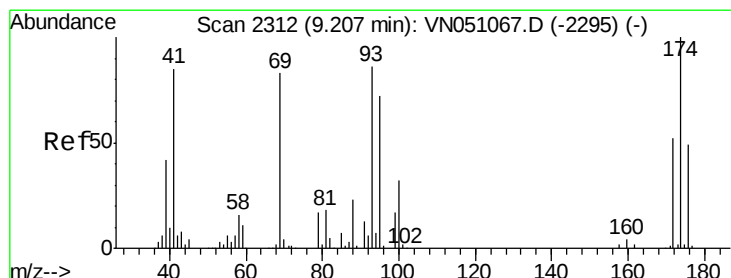
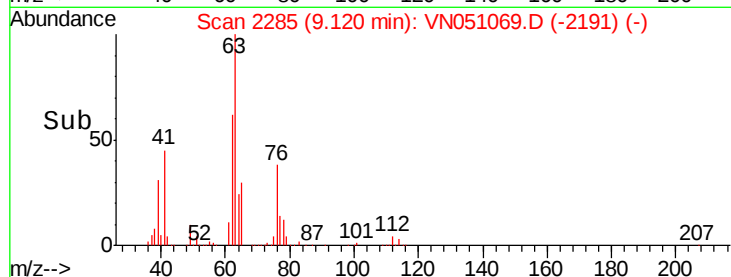
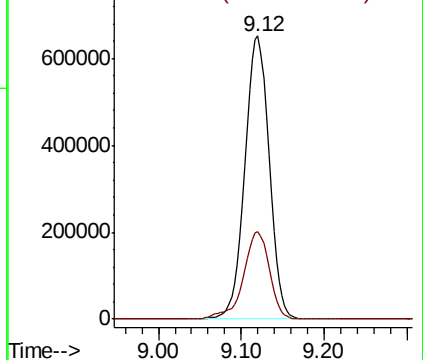
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 146.96 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

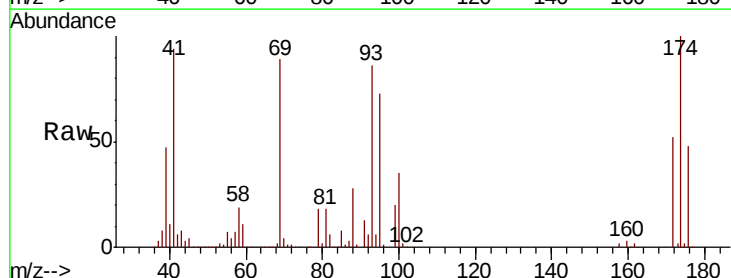
Tgt Ion: 93 Resp: 795312

Ion Ratio Lower Upper

93 100

95 84.1 66.8 100.2

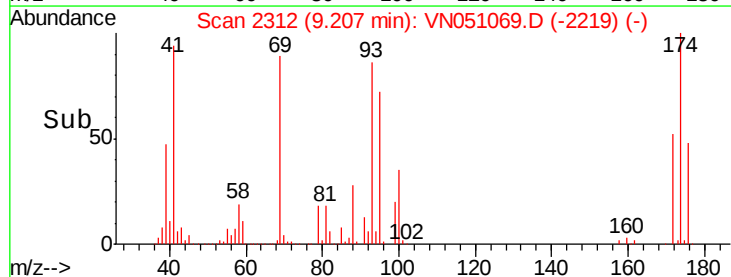
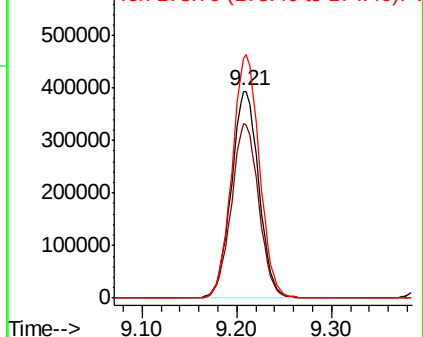
174 117.4 93.3 139.9



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 152.59 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1679138

Ion Ratio Lower Upper

83 100

85 64.7 52.3 78.5

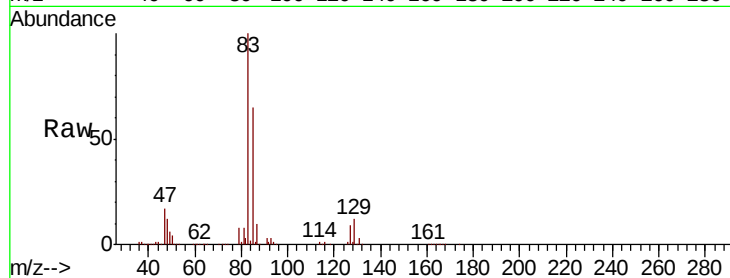
127 9.0 7.5 11.3

Manual Integrations

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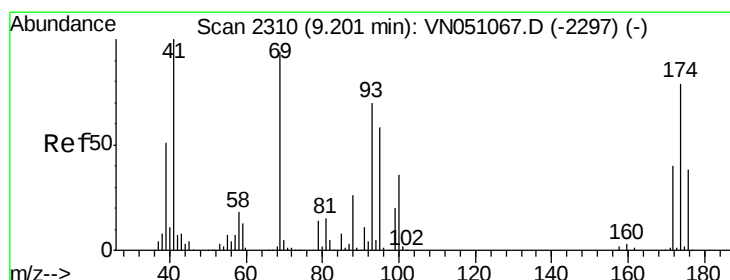
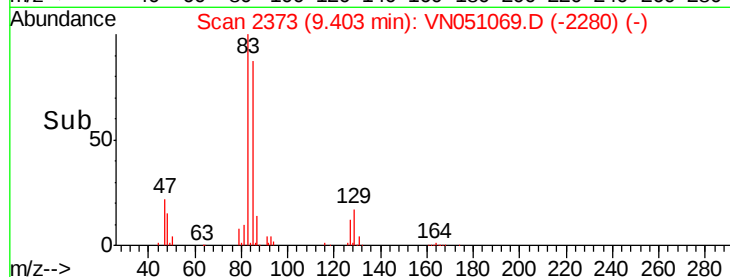
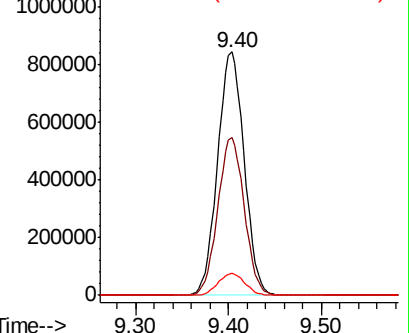
9/11/2018 9:40:31 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051069.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051069.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051069.D (-2280) (-)



#48

Methyl methacrylate

Concen: 169.17 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

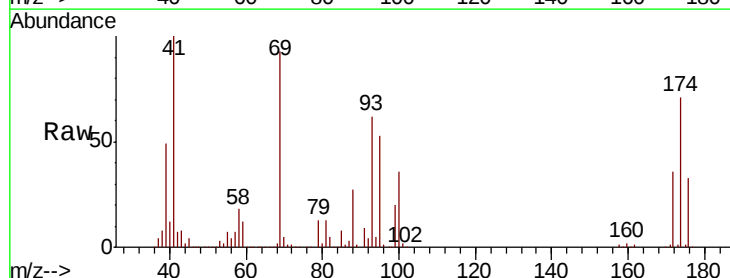
Tgt Ion: 41 Resp: 959739

Ion Ratio Lower Upper

41 100

69 96.5 77.7 116.5

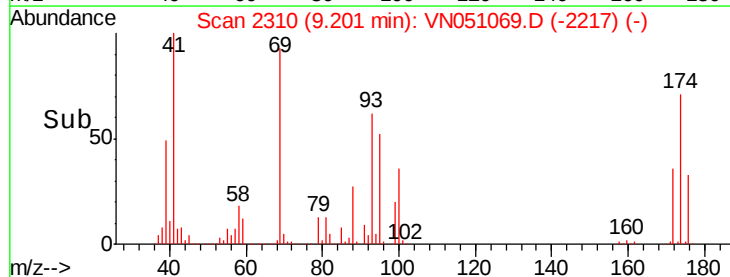
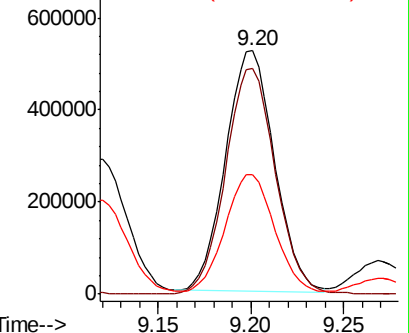
39 51.3 41.6 62.4

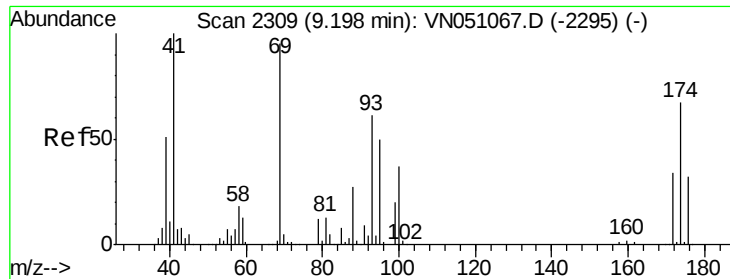


Abundance Ion 41.00 (40.70 to 41.70): VN051069.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051069.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051069.D (-2217) (-)





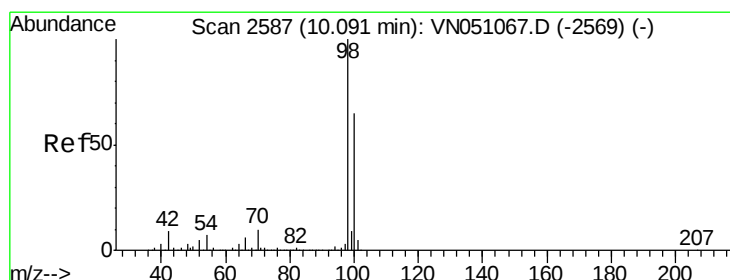
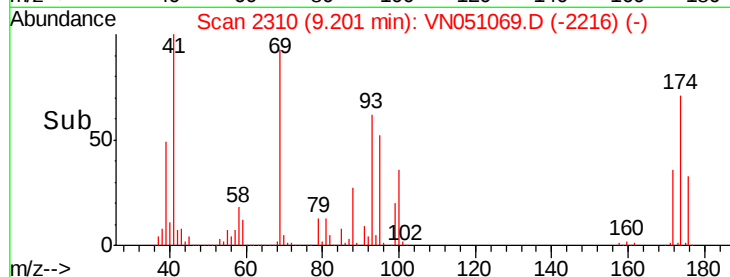
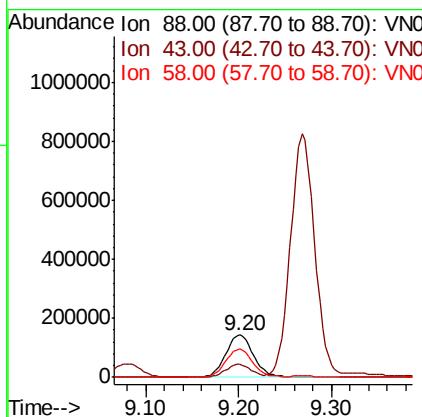
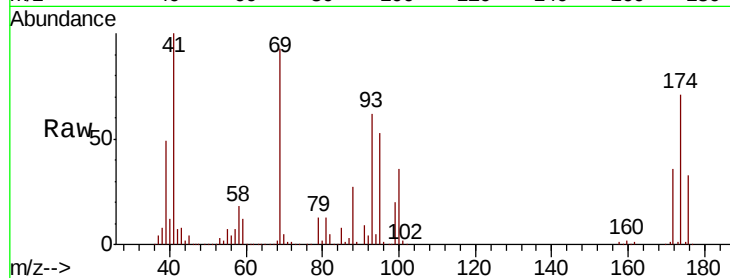
#49
1,4-Dioxane
Concen: 3385.90 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.4	23.7	35.5
58	65.6	54.6	82.0

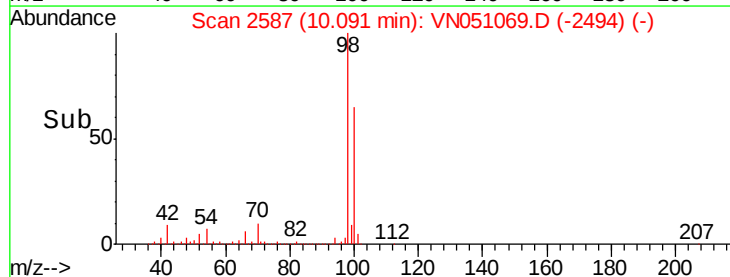
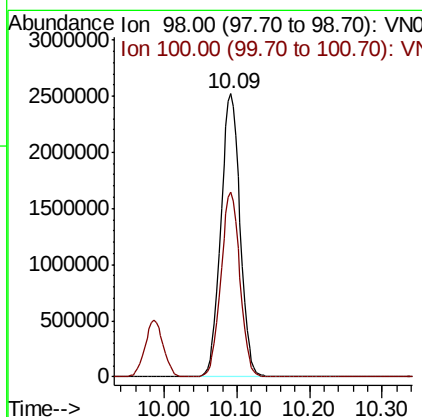
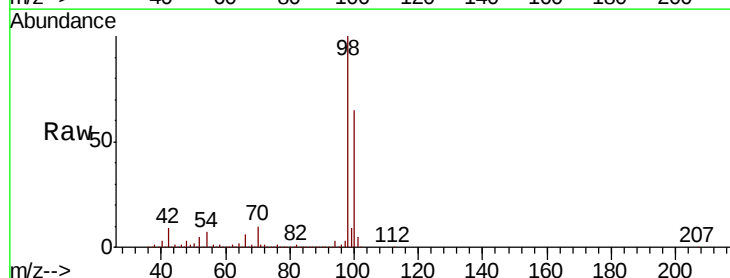
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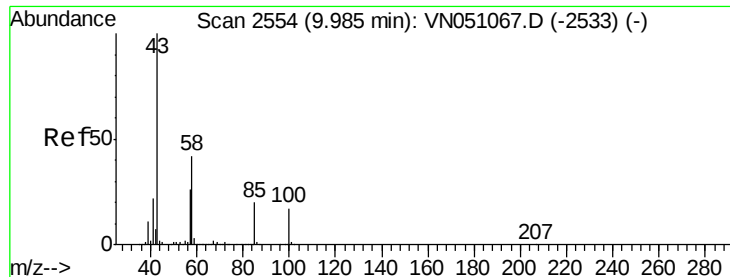
MMDadoda
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#50
Toluene-d8
Concen: 155.78 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0





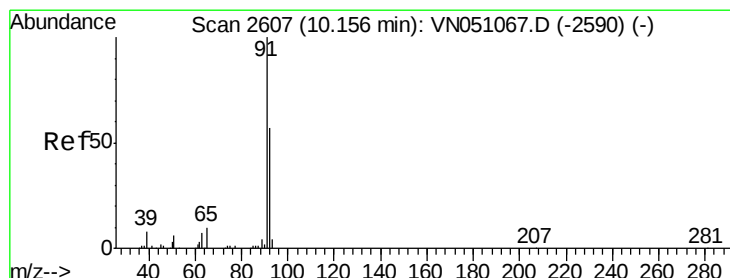
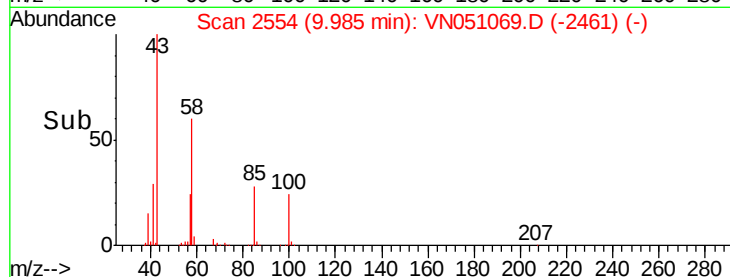
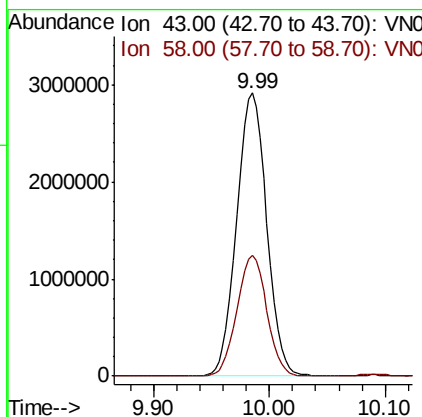
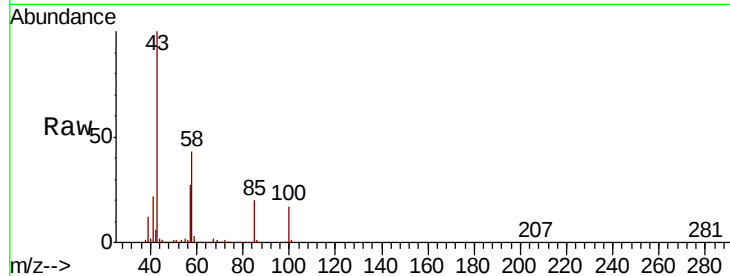
#51
4-Methyl-2-Pentanone
Concen: 812.59 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 5231145
Ion Ratio Lower Upper
43 100
58 42.4 33.5 50.3

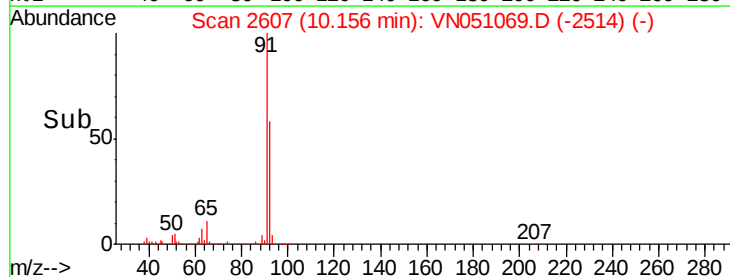
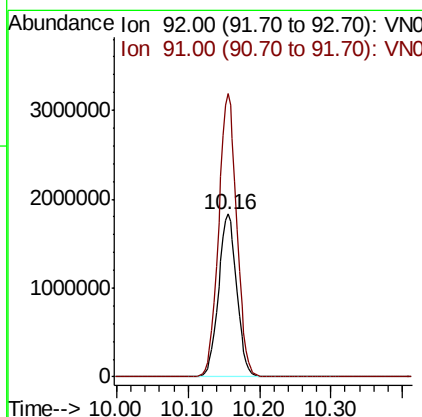
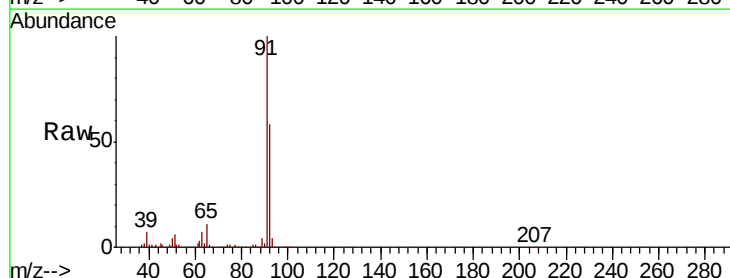
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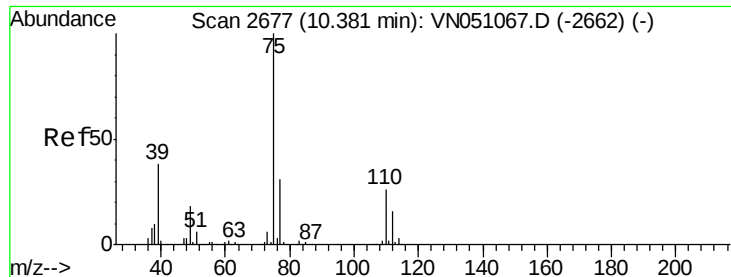
MMDadoda
9/11/2018 9:40:31 AM



#52
Toluene
Concen: 154.07 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 92 Resp: 3224980
Ion Ratio Lower Upper
92 100
91 173.3 139.5 209.3





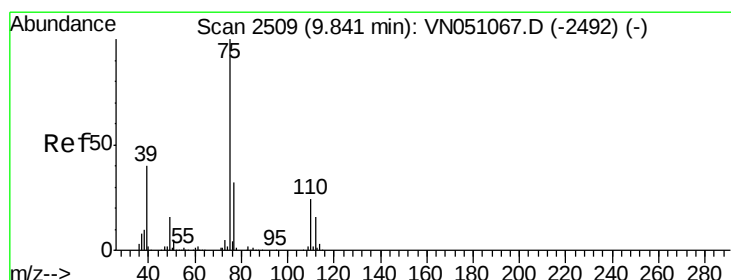
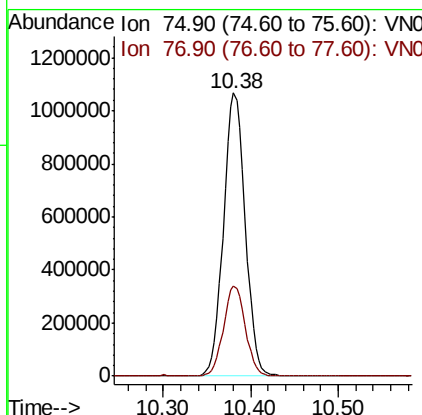
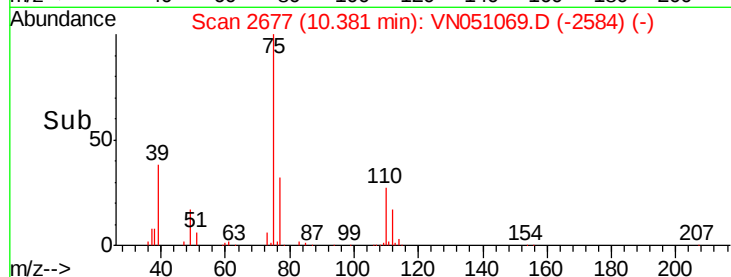
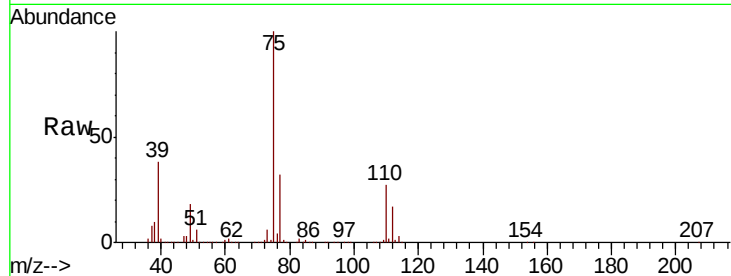
#53
t-1,3-Dichloropropene
Concen: 167.28 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1842350
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9

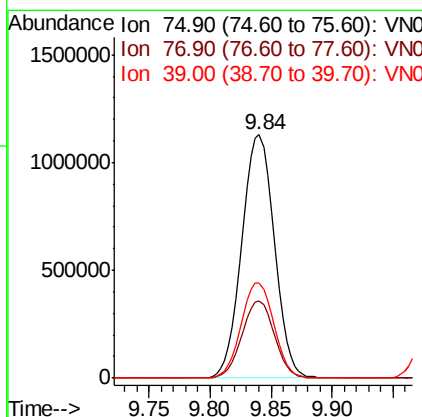
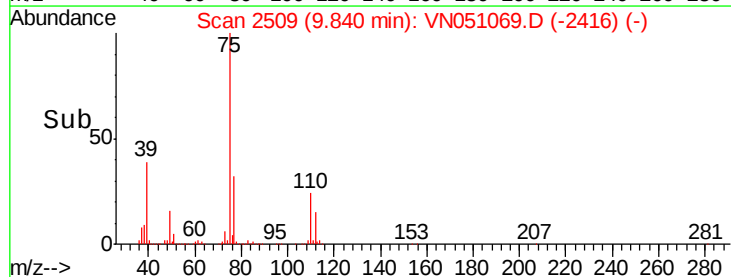
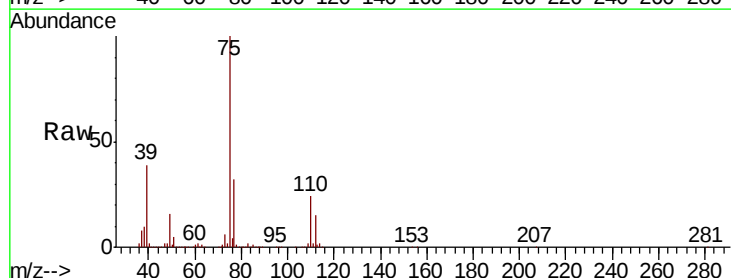
Manual Integrations
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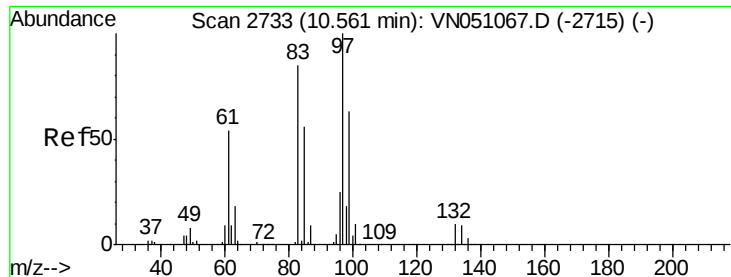
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 161.05 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 75 Resp: 2079707
Ion Ratio Lower Upper
75 100
77 31.8 25.7 38.5
39 39.0 31.9 47.9





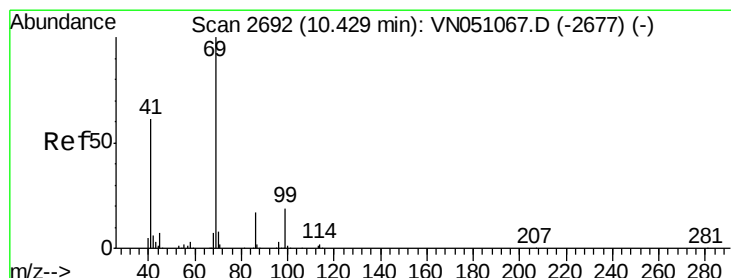
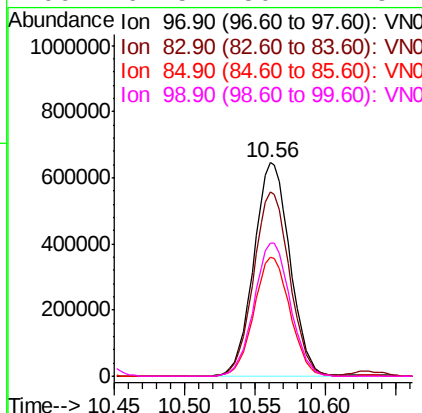
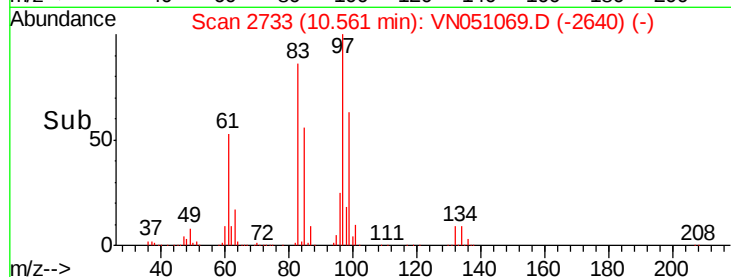
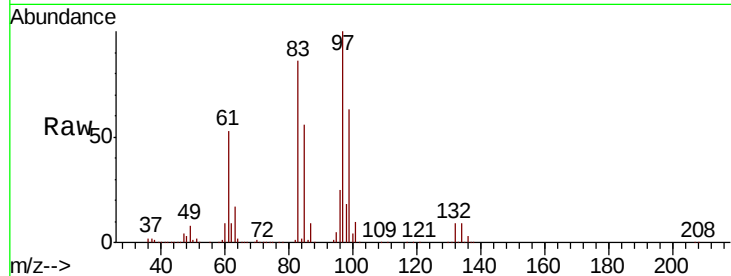
#55
 1,1,2-Trichloroethane
 Concen: 152.13 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	1156696
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.2	102.2
85	55.8	44.8	67.2
99	62.5	50.2	75.4

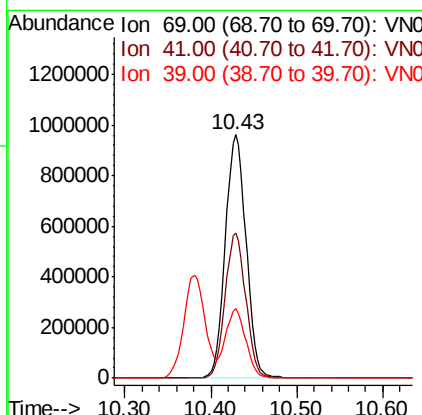
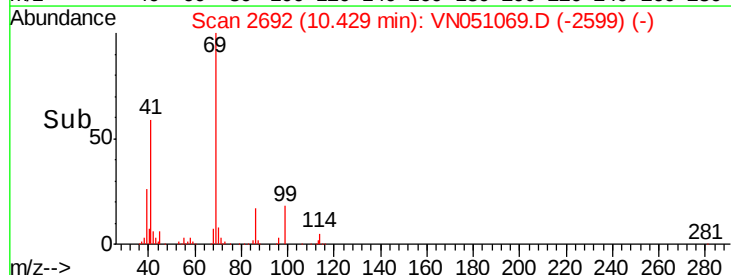
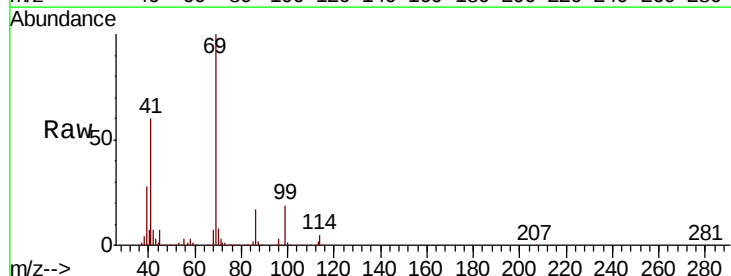
Manual Integrations
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 9/11/2018 9:40:31 AM



#56
 Ethyl methacrylate
 Concen: 177.77 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion:	69	Resp:	1617719
Ion	Ratio	Lower	Upper
69	100		
41	59.4	47.8	71.8
39	27.8	23.0	34.4





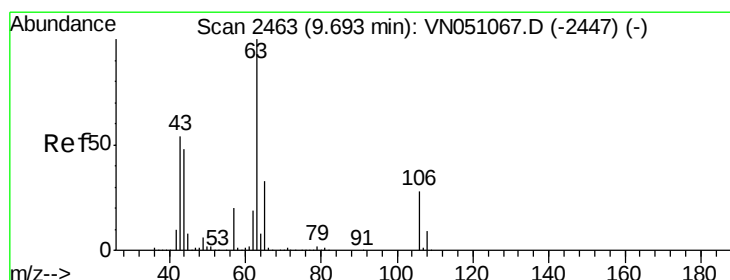
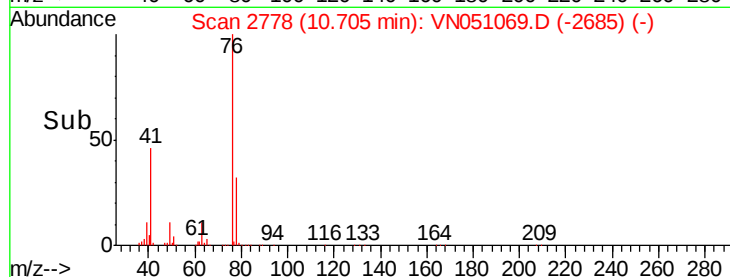
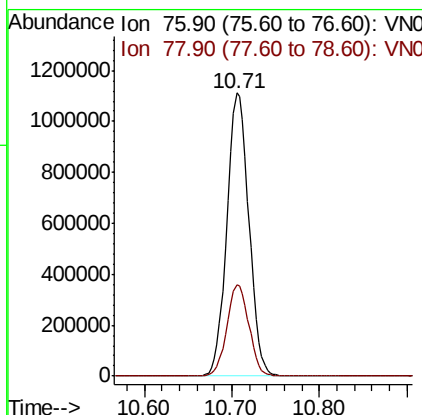
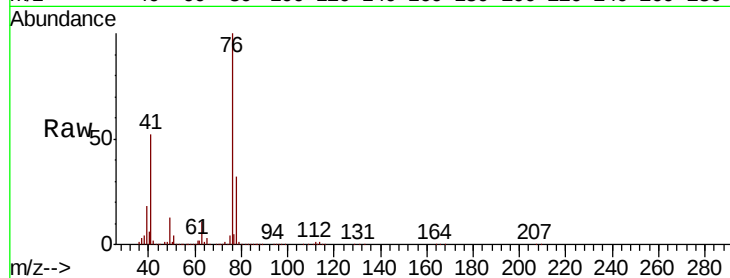
#57
 1,3-Dichloropropane
 Concen: 153.84 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1939224
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1

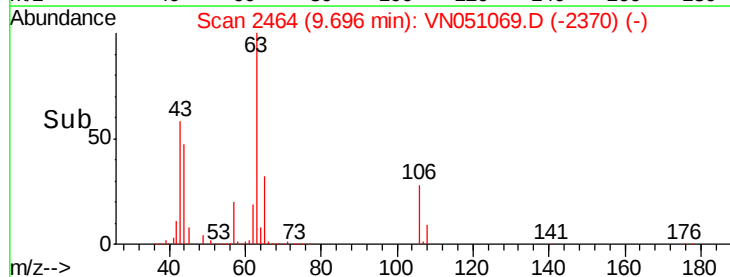
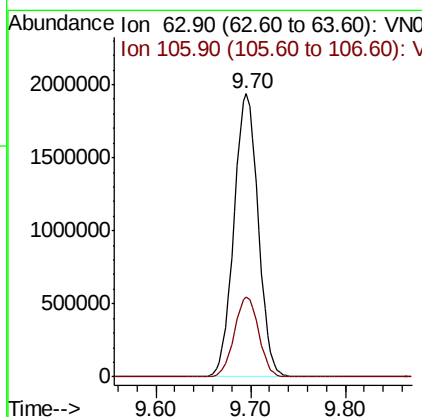
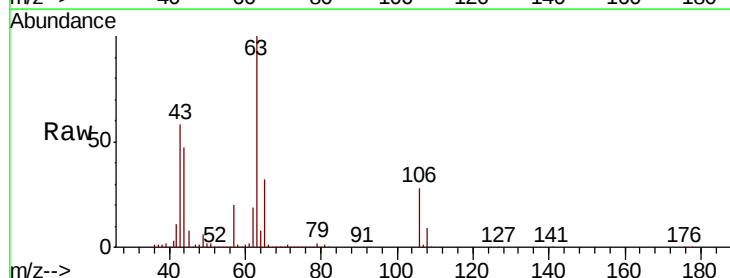
Manual Integrations
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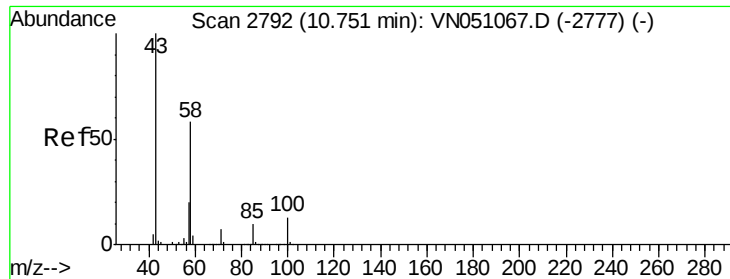
MMDadoda
 9/11/2018 9:40:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 926.59 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion: 63 Resp: 3446284
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.5 33.7





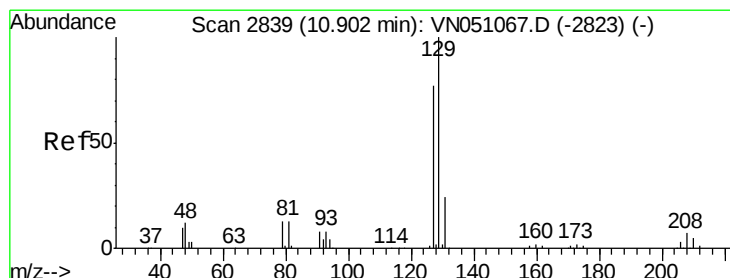
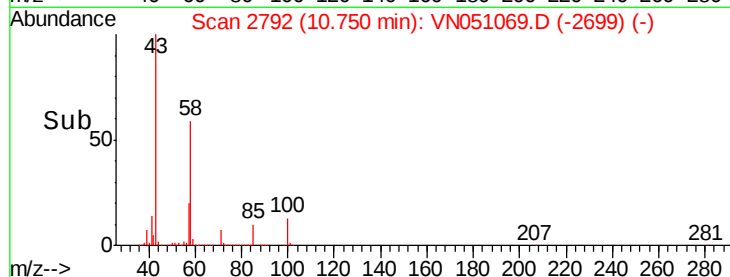
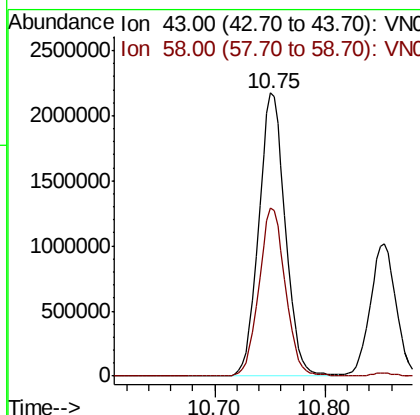
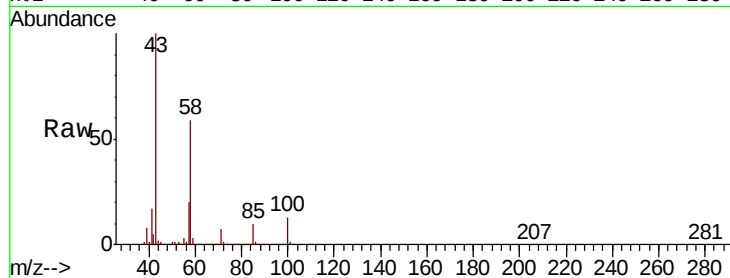
#59
2-Hexanone
Concen: 827.17 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3611301
Ion Ratio Lower Upper
43 100
58 59.4 29.3 88.0

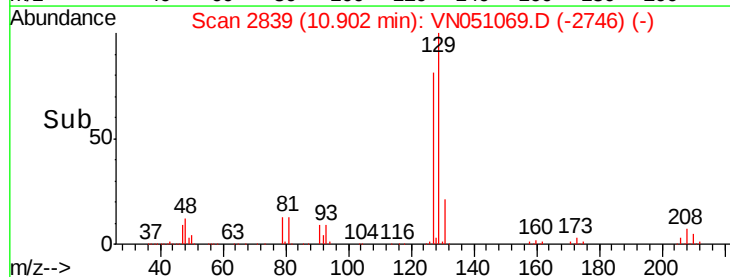
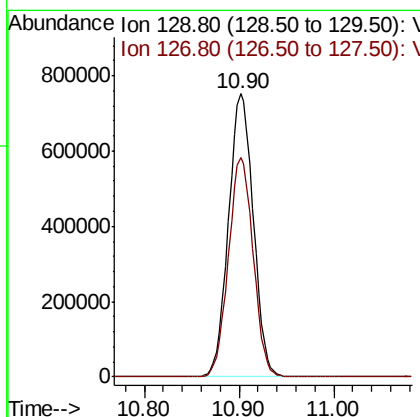
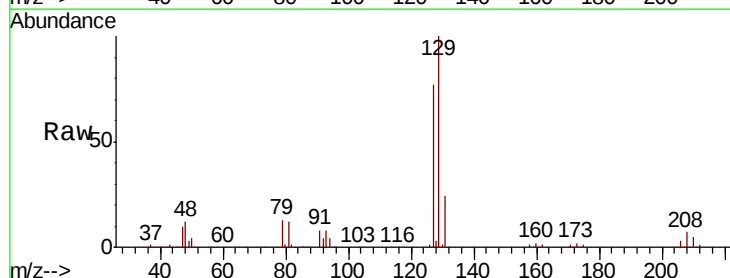
Manual Integrations
APPROVED

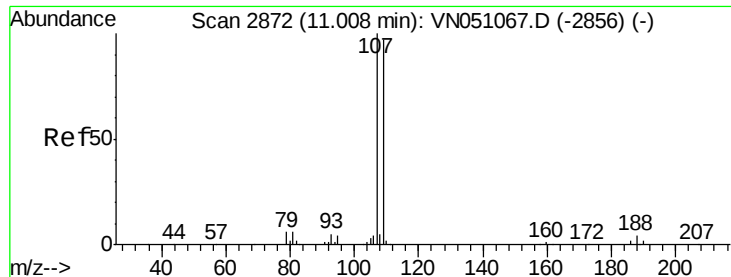
MMDadoda
9/11/2018 9:40:31 AM



#60
Dibromochloromethane
Concen: 159.55 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 129 Resp: 1367371
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 160.74 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 1194714

Ion Ratio Lower Upper

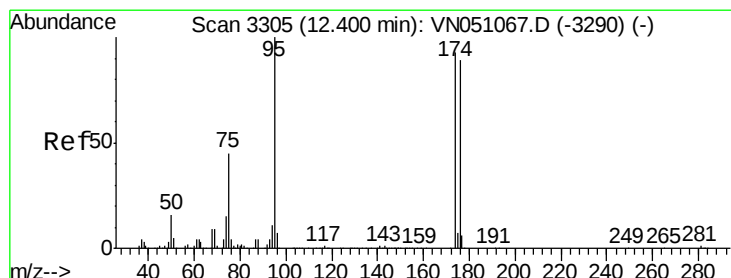
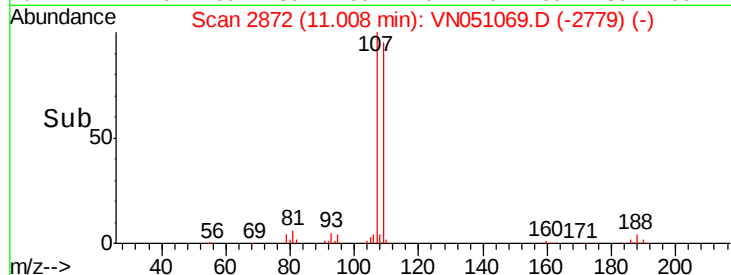
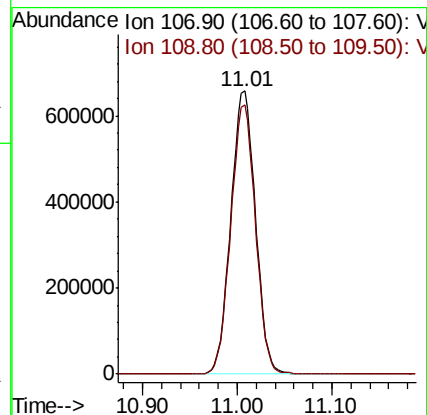
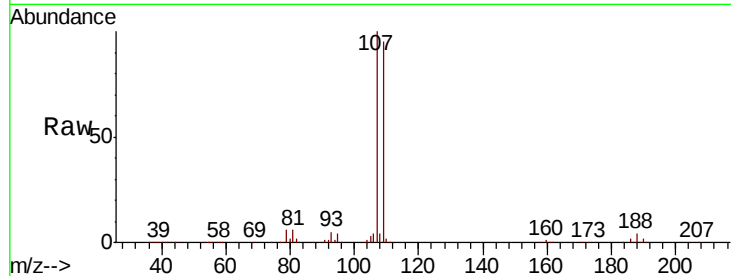
107 100

109 95.0 76.0 114.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 167.12 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

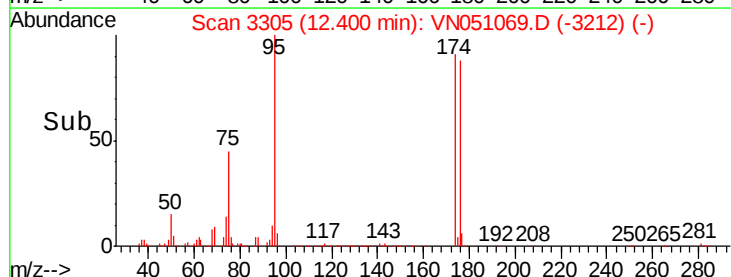
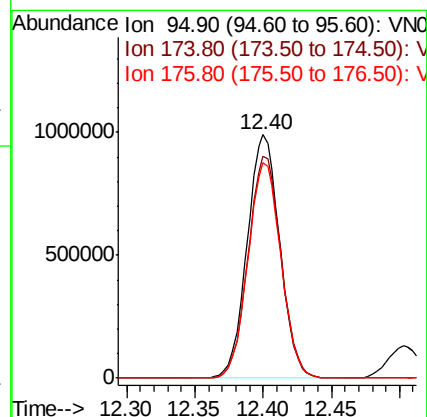
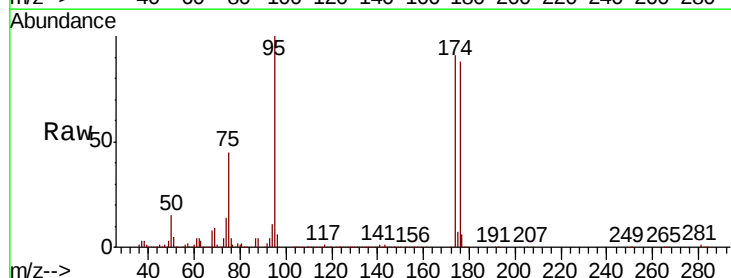
Tgt Ion: 95 Resp: 1635483

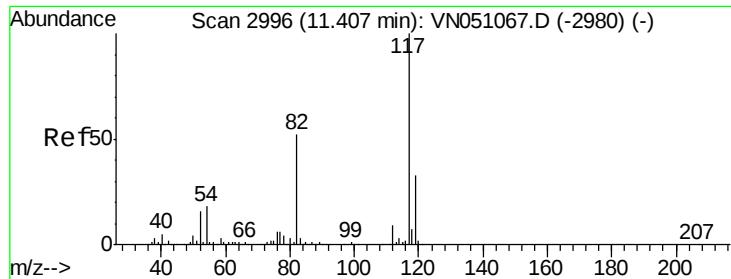
Ion Ratio Lower Upper

95 100

174 92.0 0.0 184.8

176 89.6 0.0 178.6





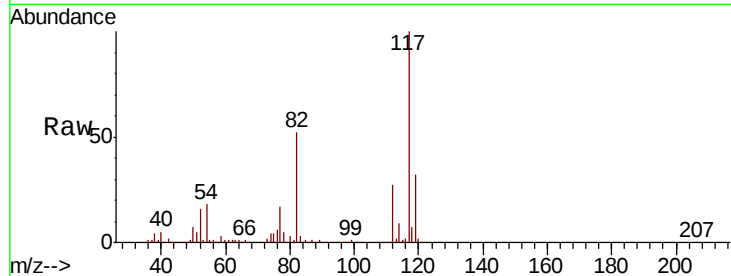
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.8	62.6
119	32.3	26.2	39.2

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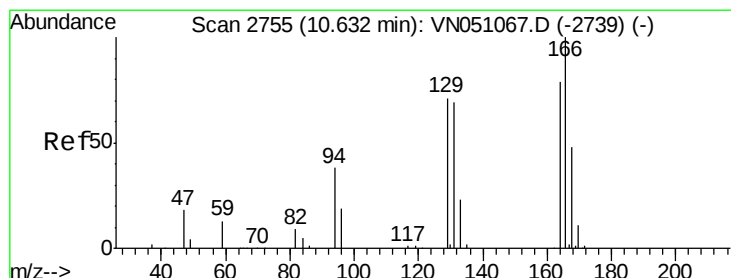
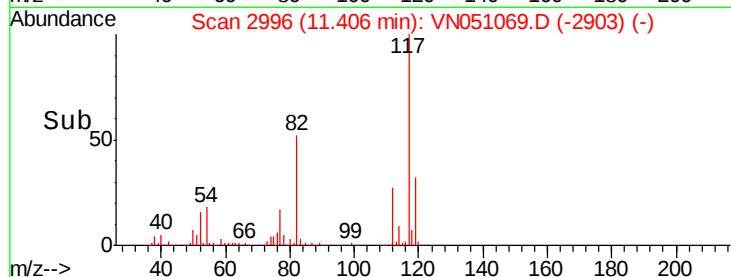
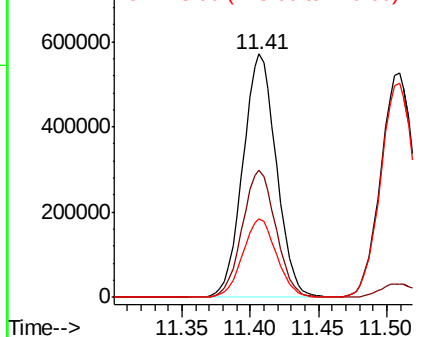


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 139.83 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.3	151.9
129	90.7	72.2	108.2
131	88.3	70.2	105.2

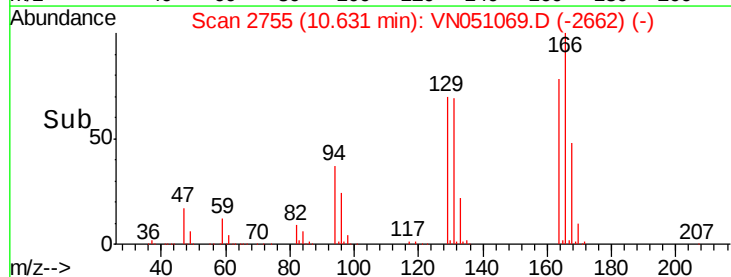
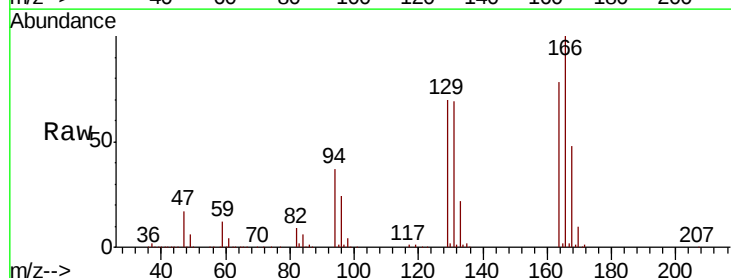
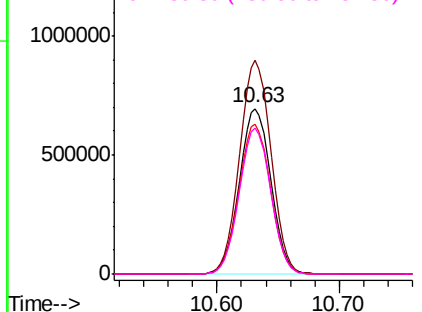
Abundance

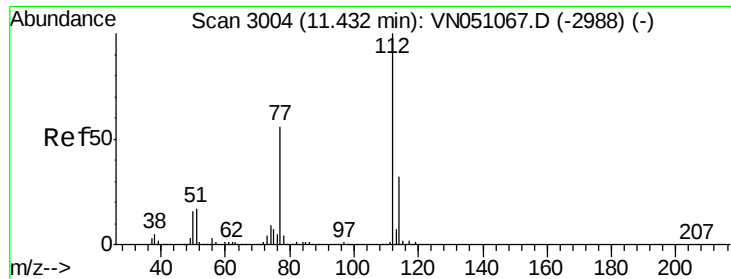
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





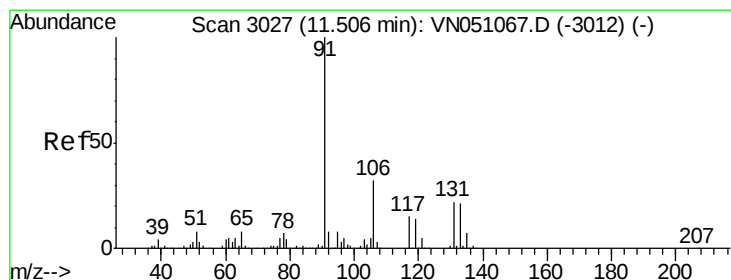
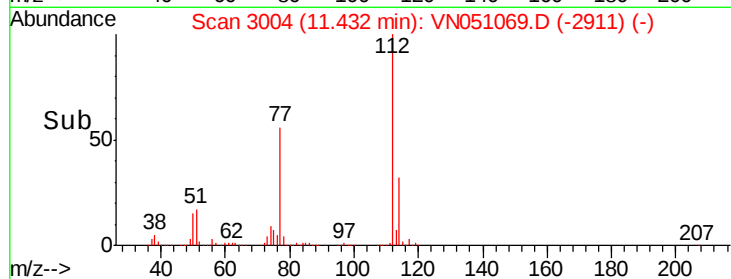
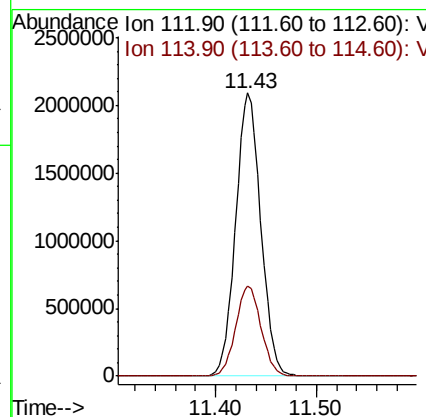
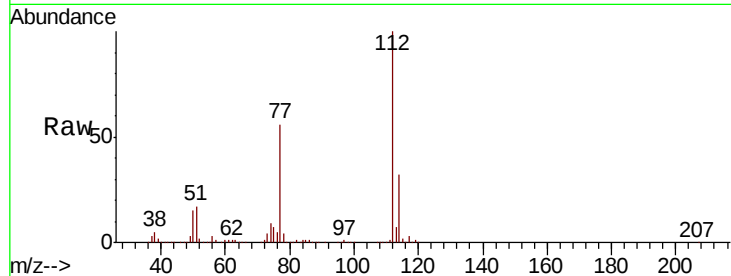
#65
Chlorobenzene
Concen: 148.03 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 3623392
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

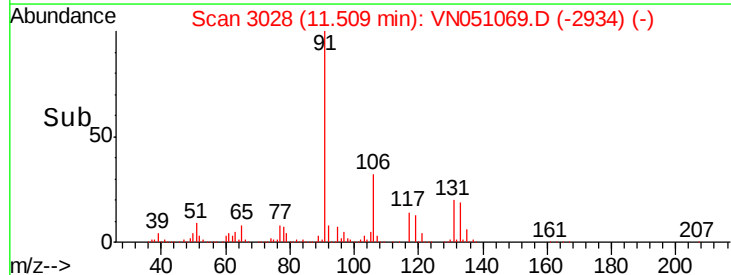
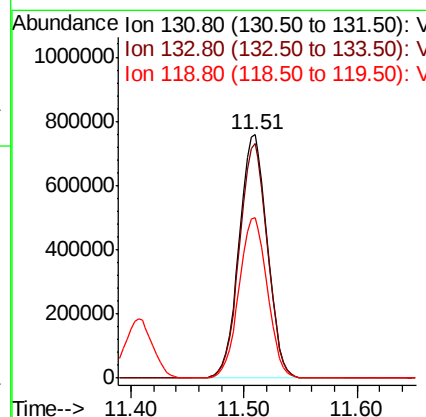
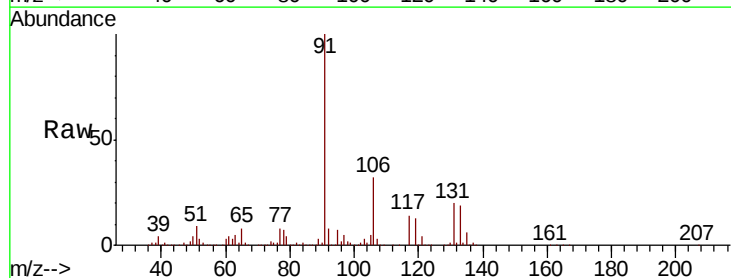
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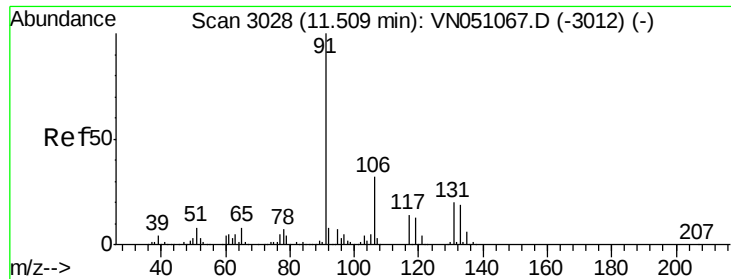
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#66
1,1,1,2-Tetrachloroethane
Concen: 149.10 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion:131 Resp: 1313955
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.6
119 66.5 33.2 99.6





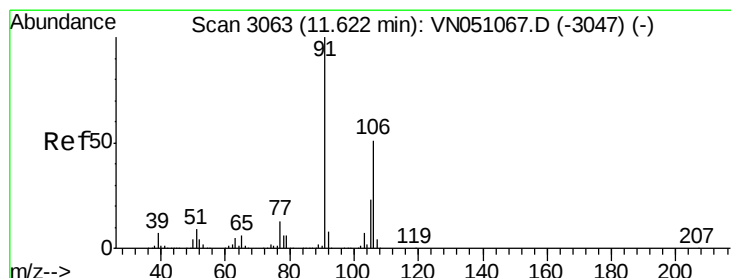
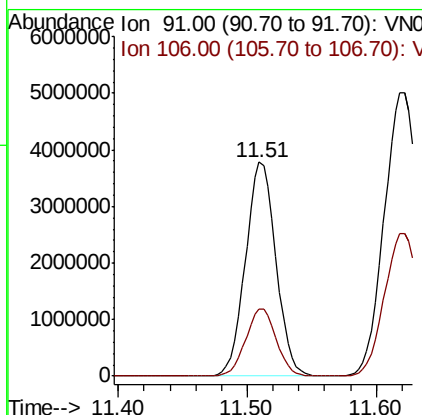
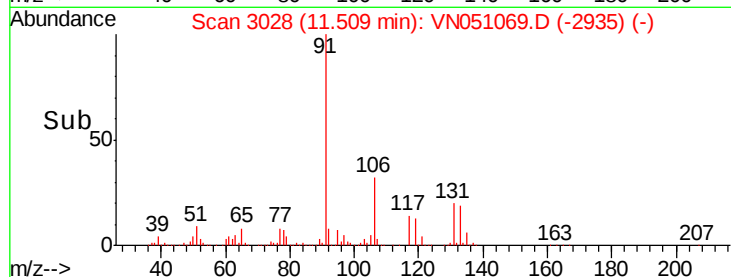
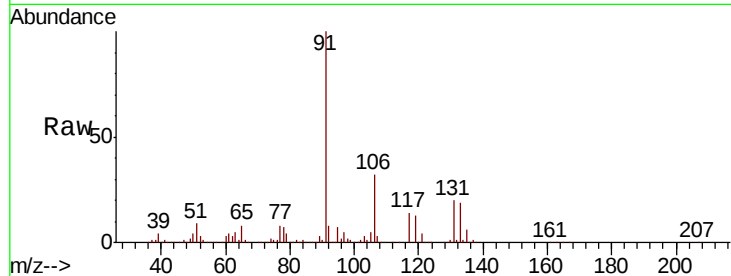
#67
Ethyl Benzene
Concen: 156.92 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 6220168
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2

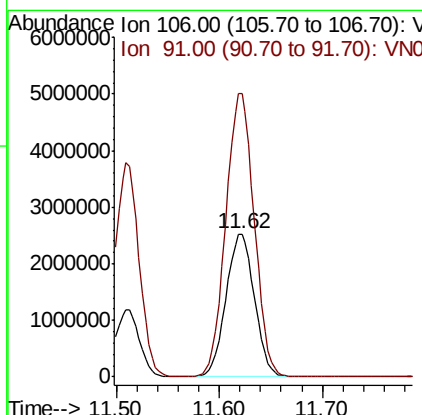
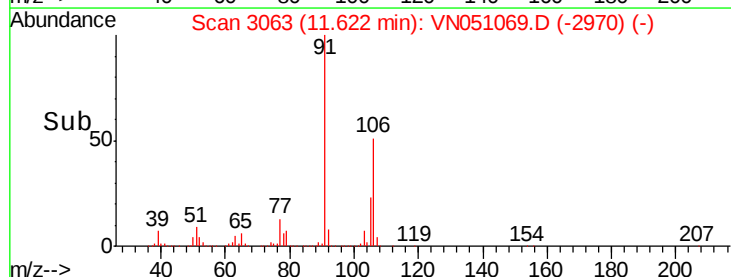
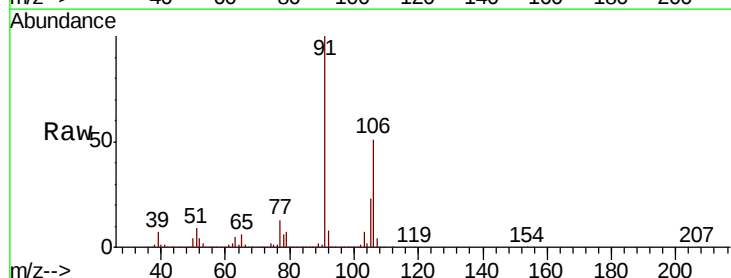
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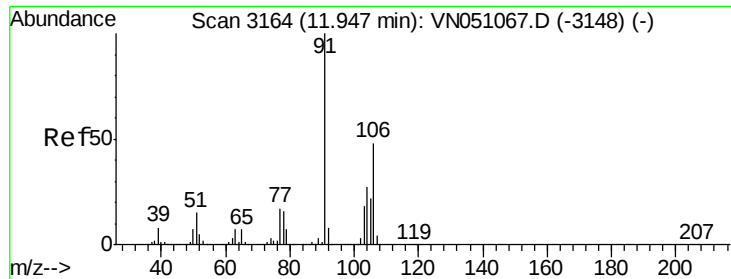
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#68
m/p-Xylenes
Concen: 317.03 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 106 Resp: 4828319
Ion Ratio Lower Upper
106 100
91 198.8 159.8 239.6





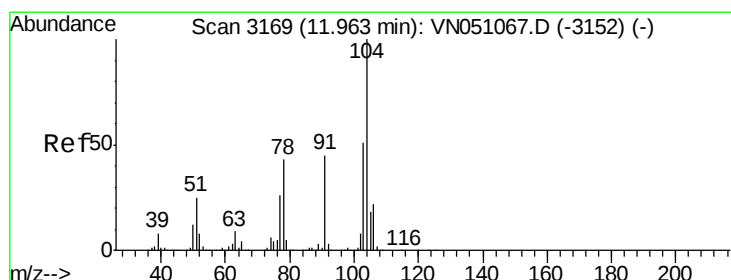
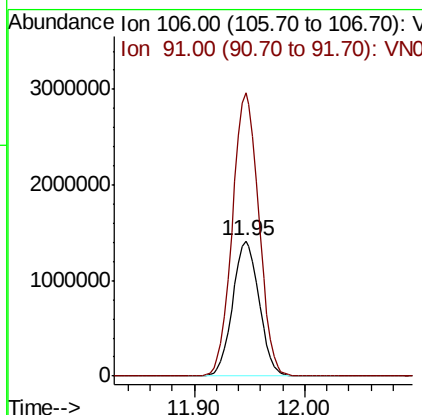
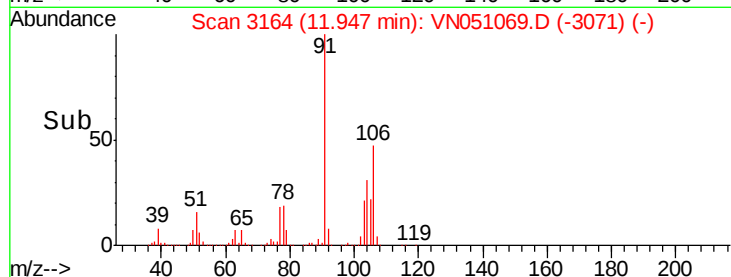
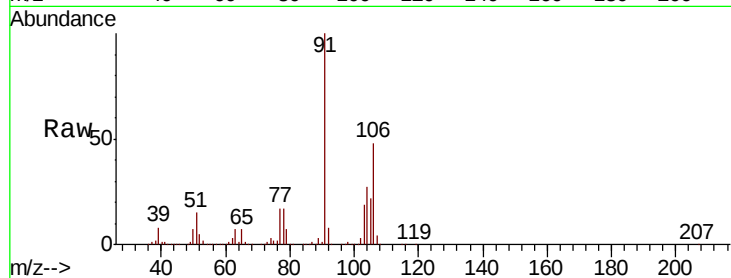
#69
o-Xylene
Concen: 159.06 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2345830
Ion Ratio Lower Upper
106 100
91 210.0 105.1 315.1

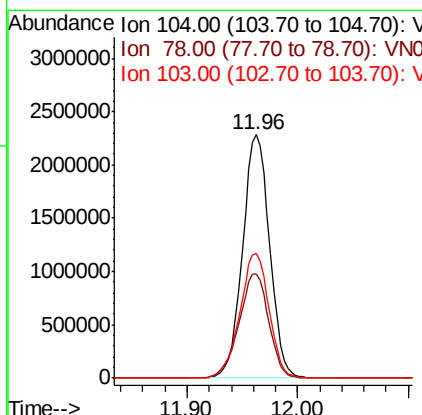
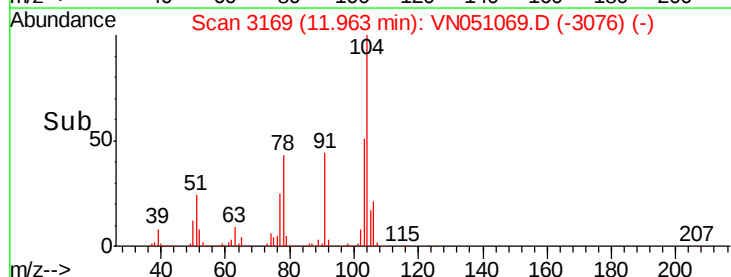
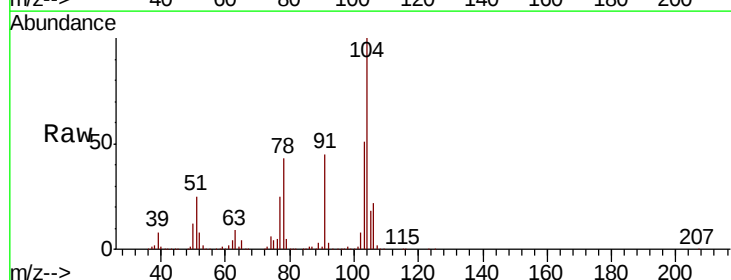
Manual Integrations
APPROVED

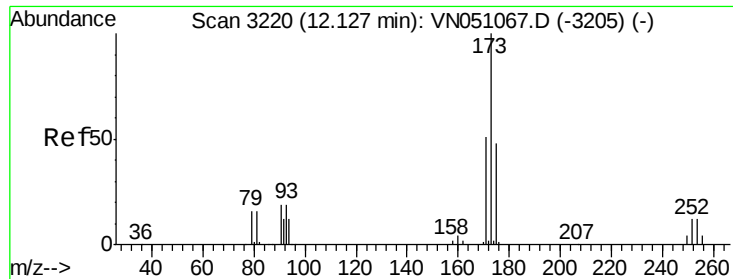
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#70
Styrene
Concen: 168.67 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion:104 Resp: 3858768
Ion Ratio Lower Upper
104 100
78 47.3 37.7 56.5
103 55.5 44.6 67.0





#71

Bromoform

Concen: 164.04 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 1017821

Ion Ratio Lower Upper

173 100

175 49.2 24.3 72.9

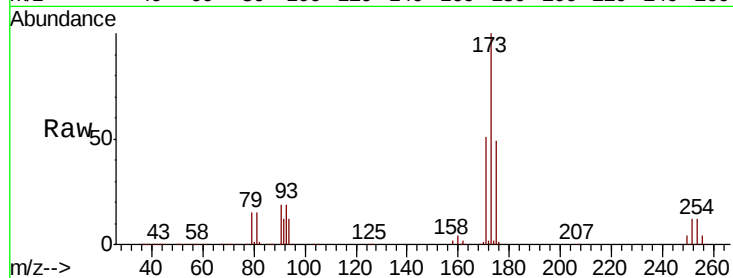
254 0.1 0.0 0.0#

Manual Integrations

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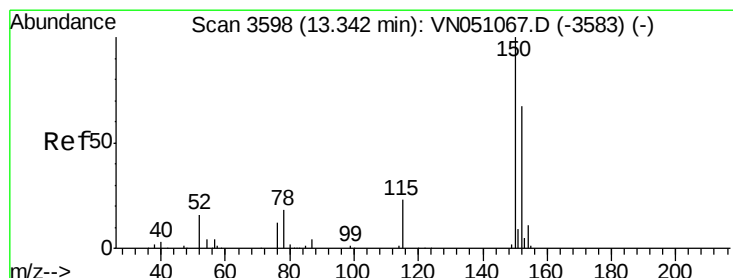
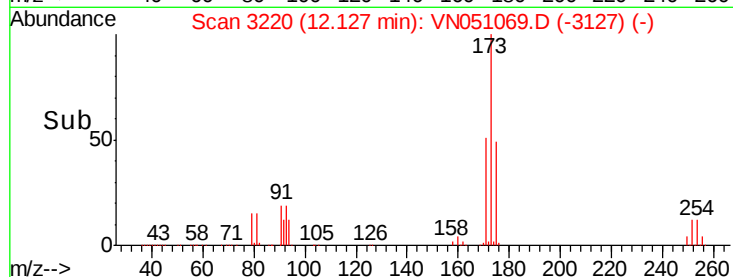
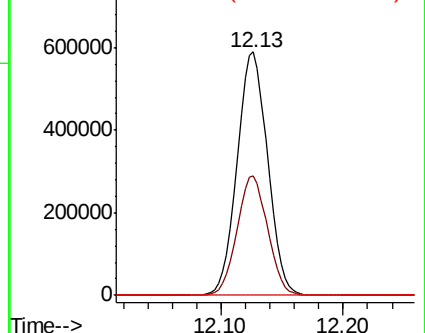
9/11/2018 9:40:31 AM



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

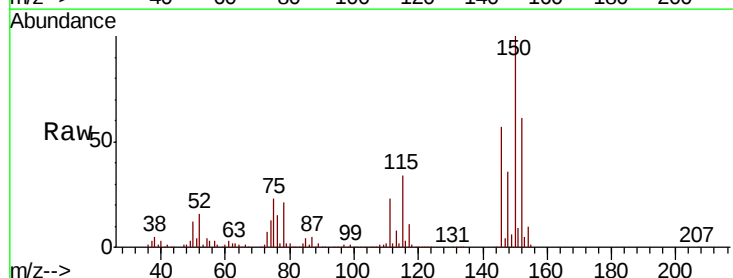
Tgt Ion:152 Resp: 525877

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.7

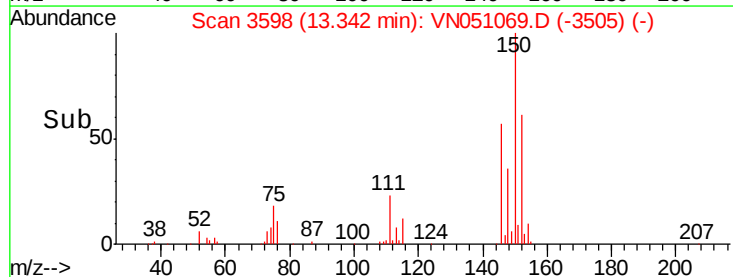
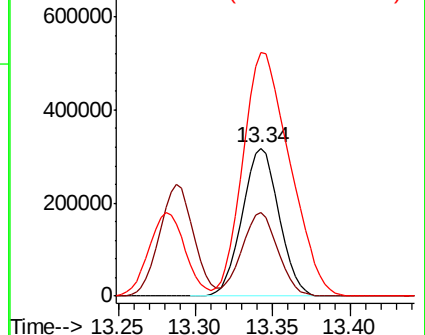
150 210.0 0.0 349.0

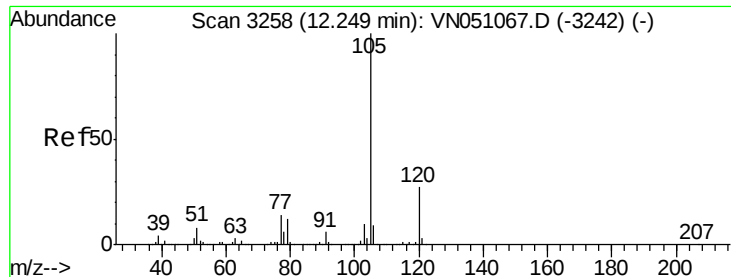


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 139.07 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6133416

Ion Ratio Lower Upper

105 100

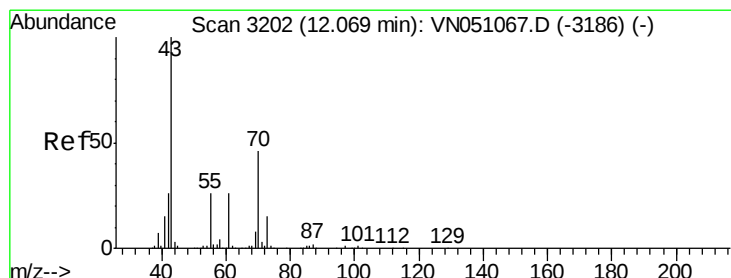
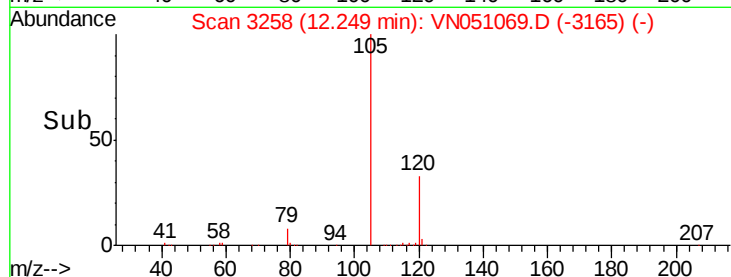
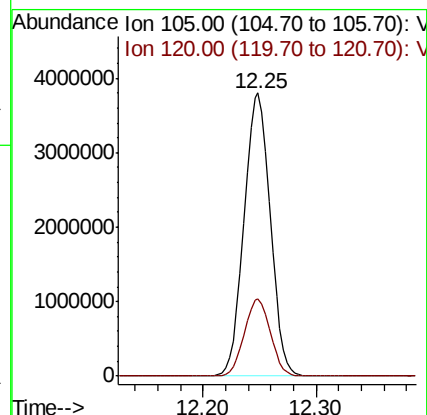
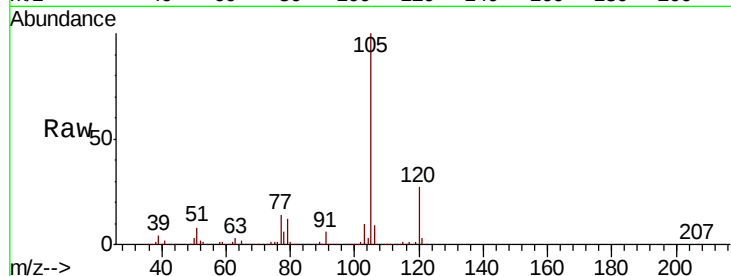
120 27.2 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 155.09 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Tgt Ion: 43 Resp: 1721298

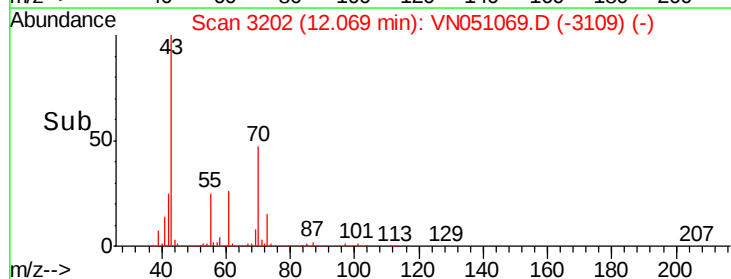
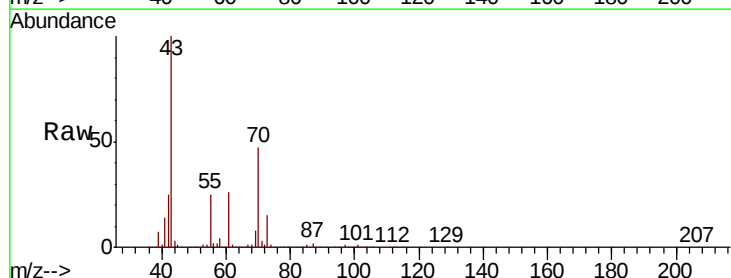
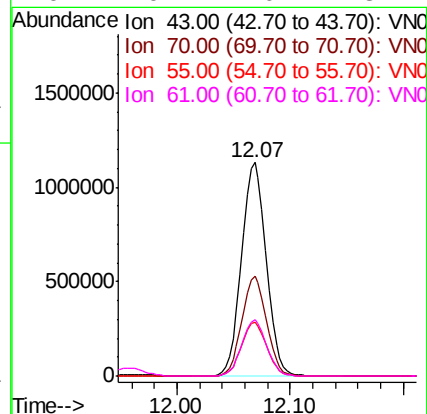
Ion Ratio Lower Upper

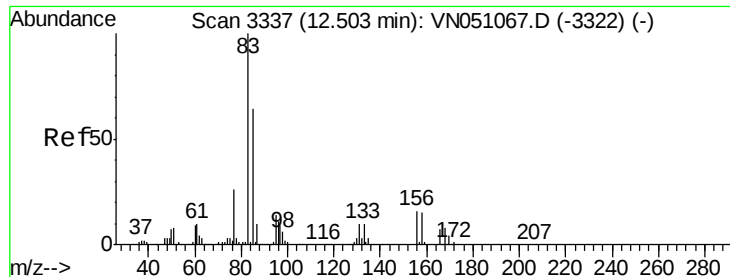
43 100

70 46.5 37.0 55.4

55 25.6 21.3 31.9

61 26.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 127.53 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1497471

Ion Ratio Lower Upper

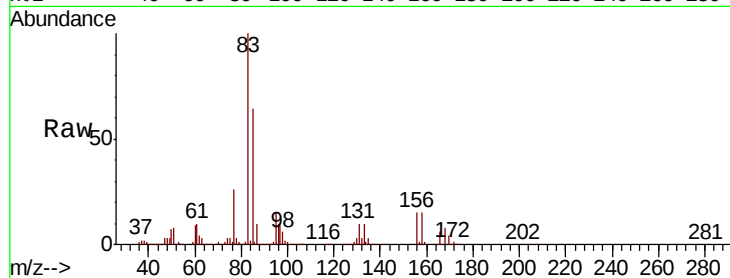
83 100

131 10.9 5.3 16.1

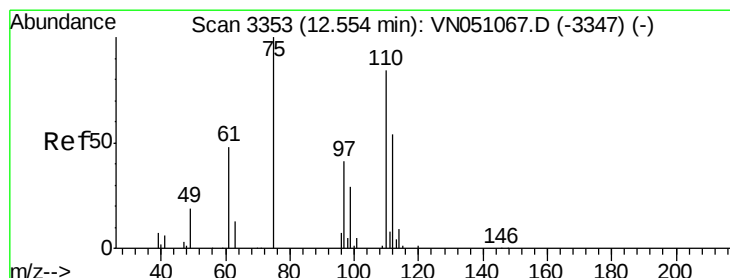
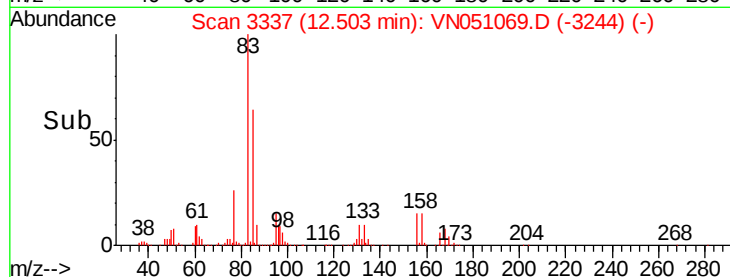
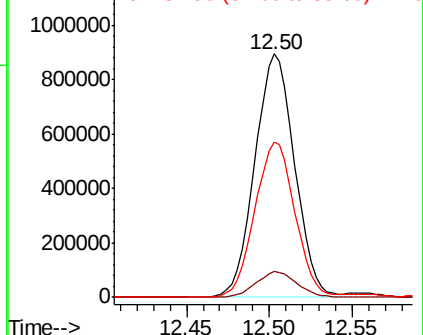
85 64.3 32.3 96.8

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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: 135.82 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051069.D

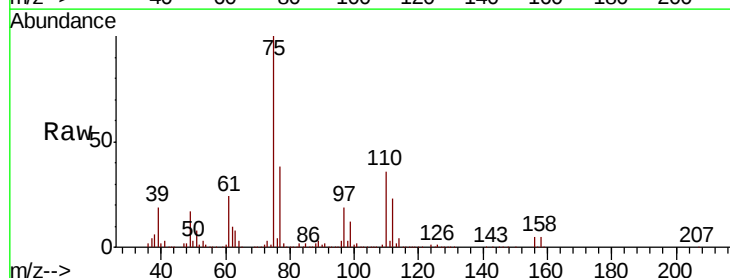
Acq: 10 Sep 2018 10:12

Tgt Ion: 75 Resp: 1187769

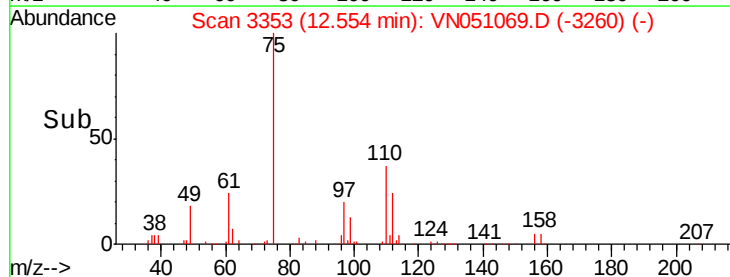
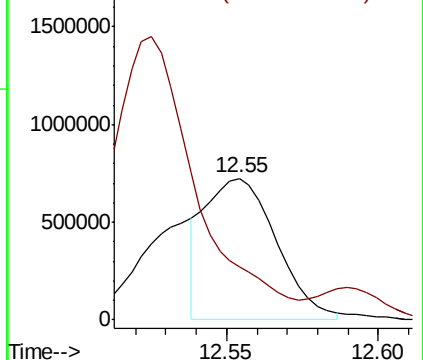
Ion Ratio Lower Upper

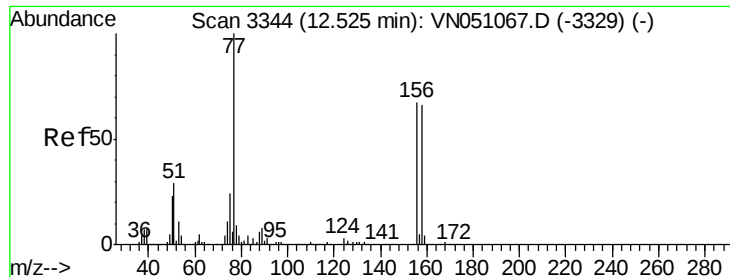
75 100

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: 136.54 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1617414

Ion Ratio Lower Upper

156 100

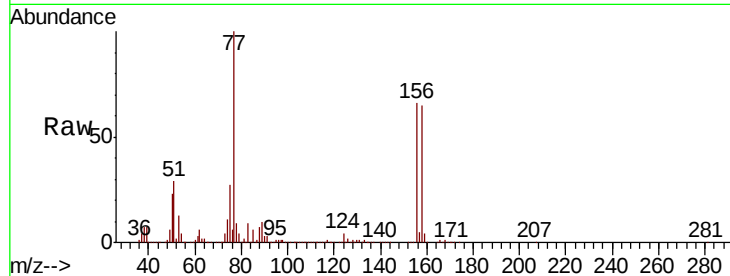
77 175.5 87.5 262.6

158 97.9 49.0 147.2

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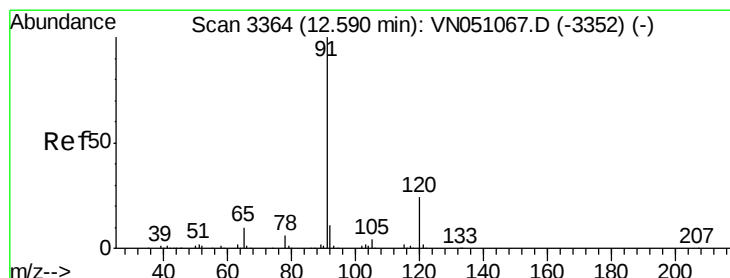
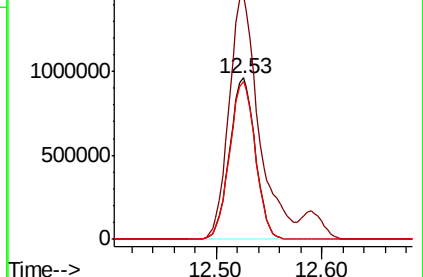
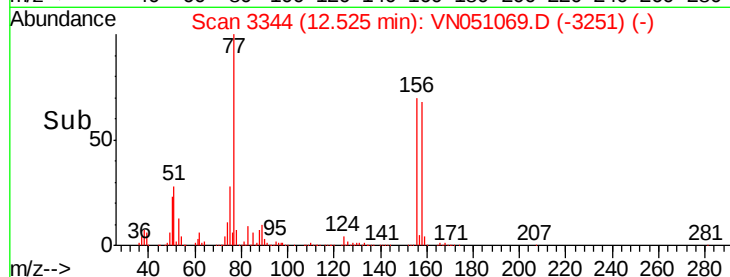
9/11/2018 9:40:31 AM



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: 144.72 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051069.D

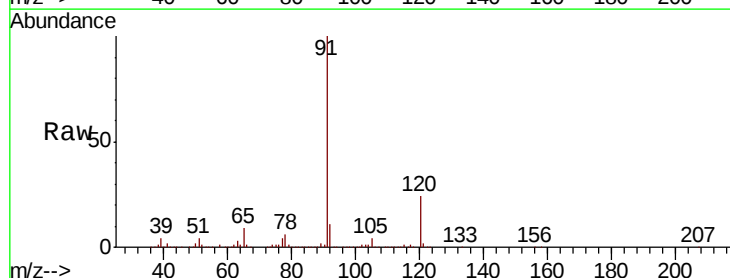
Acq: 10 Sep 2018 10:12

Tgt Ion: 91 Resp: 7015409

Ion Ratio Lower Upper

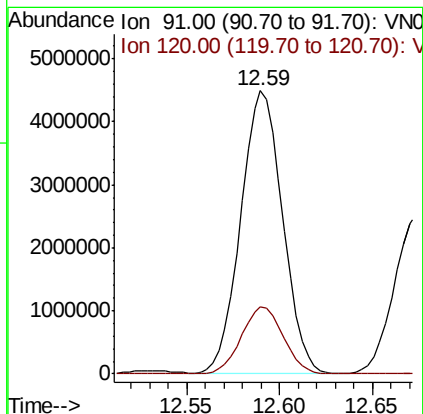
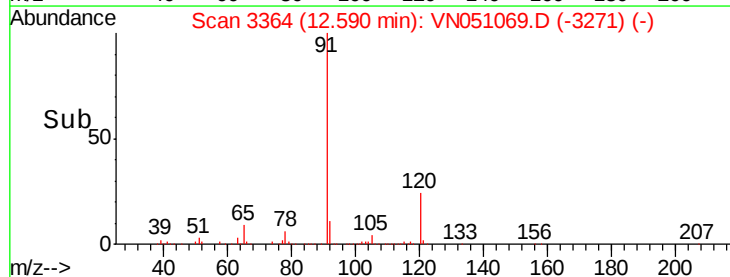
91 100

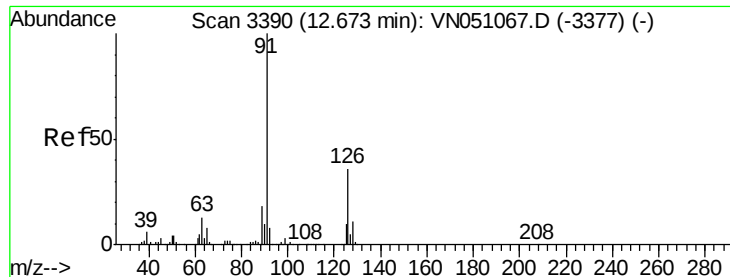
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 136.24 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4127758

Ion Ratio Lower Upper

91 100

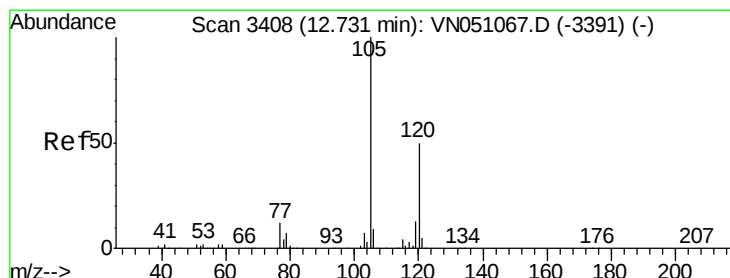
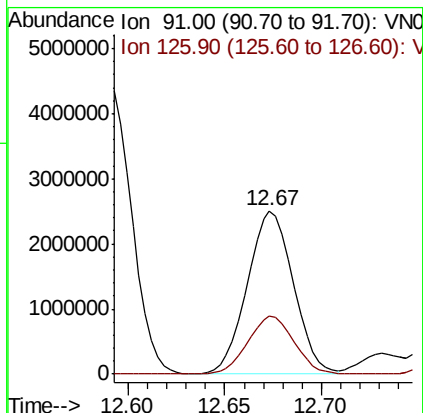
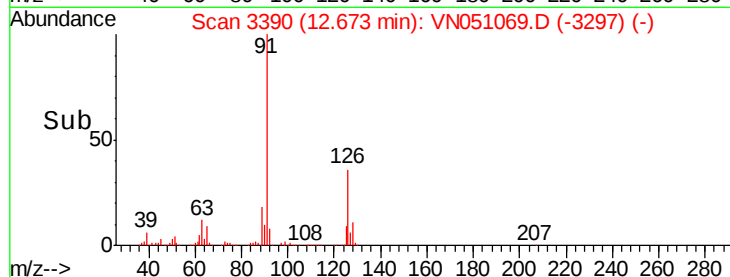
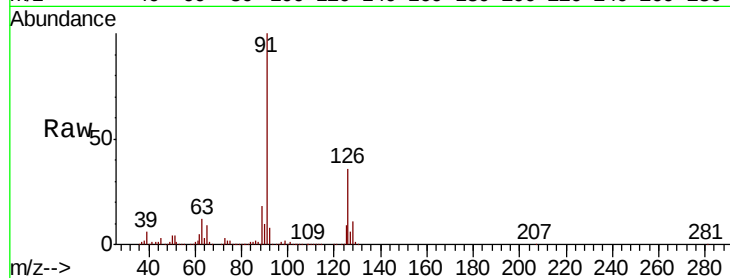
126 36.0 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 142.76 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051069.D

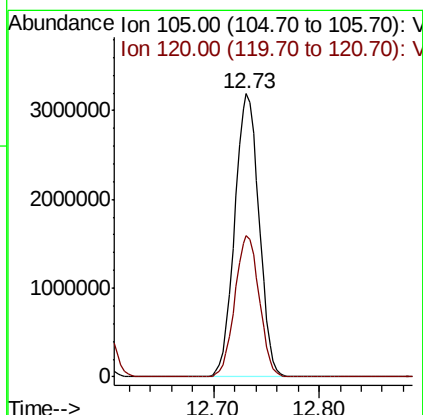
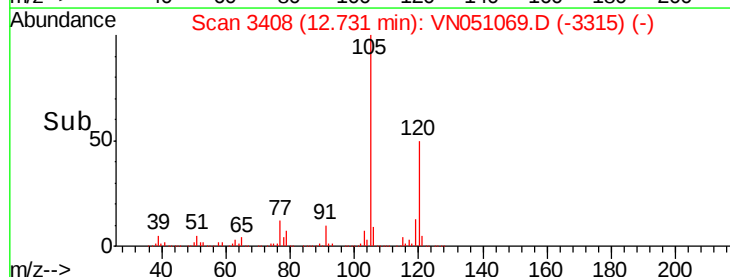
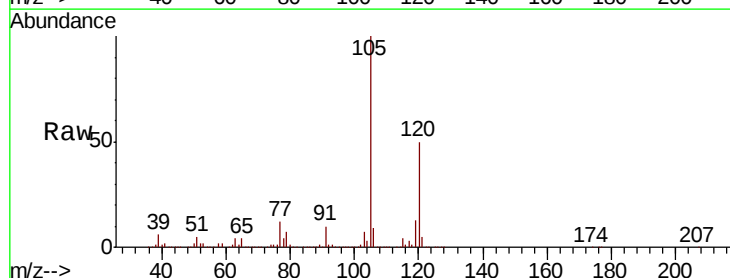
Acq: 10 Sep 2018 10:12

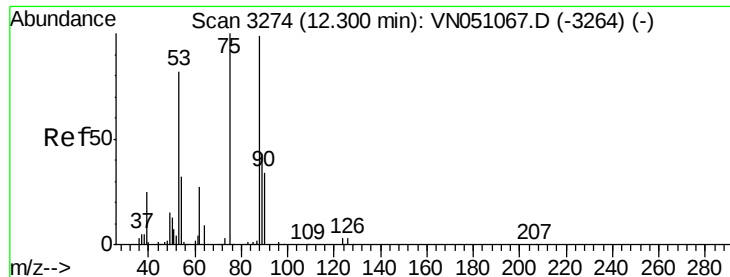
Tgt Ion: 105 Resp: 5090128

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 163.36 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

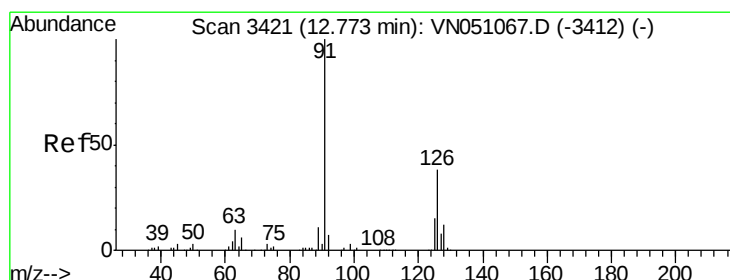
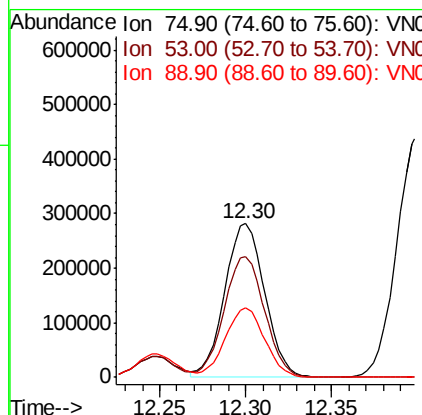
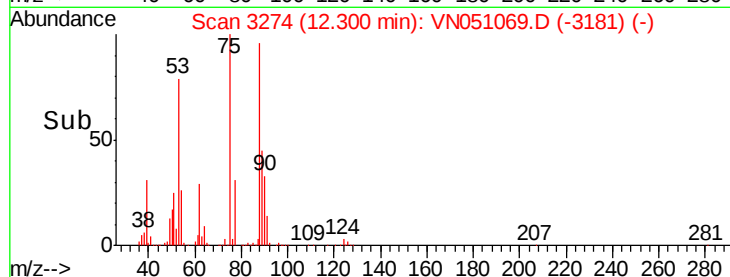
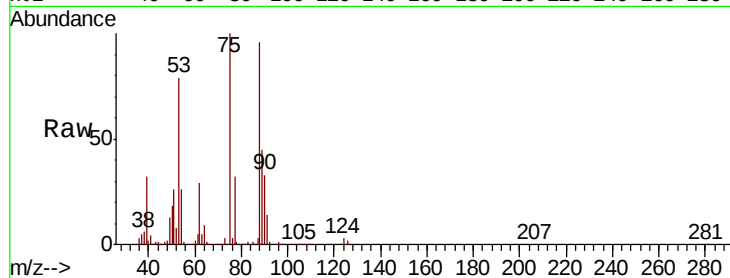
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	452353
Ion	Ratio	Lower	Upper
75	100		
53	80.6	67.8	101.8
89	45.1	36.0	54.0

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#82

4-Chlorotoluene

Concen: 140.59 ug/l

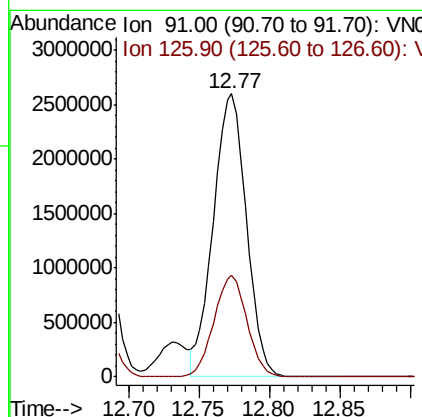
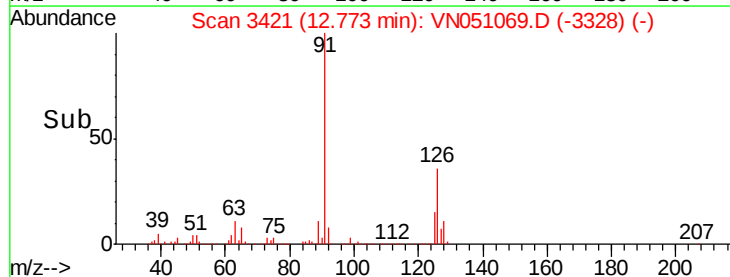
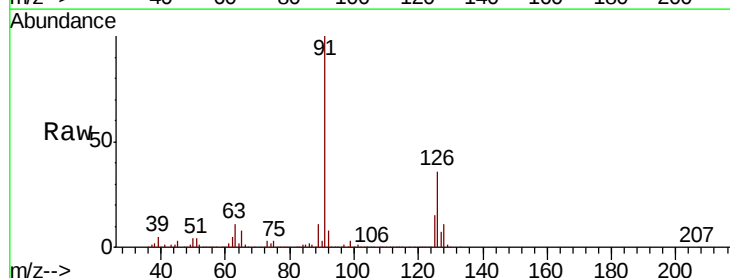
RT: 12.77 min Scan# 3421

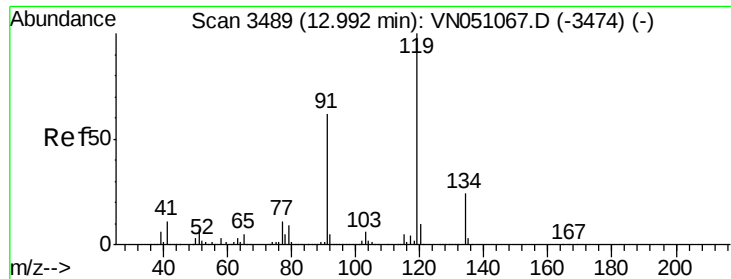
Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Tgt Ion:	91	Resp:	4228250
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.6	52.8





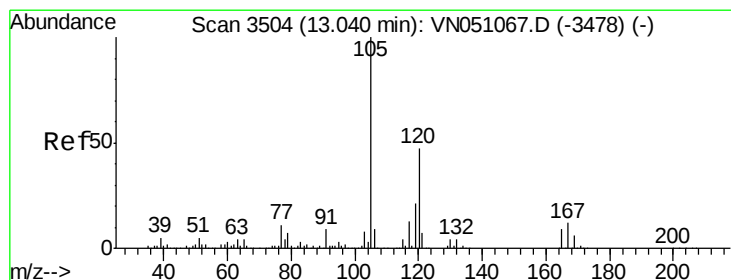
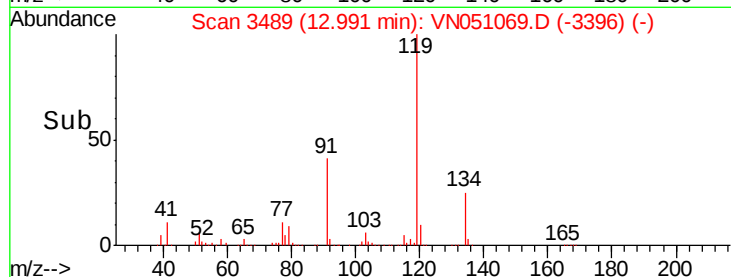
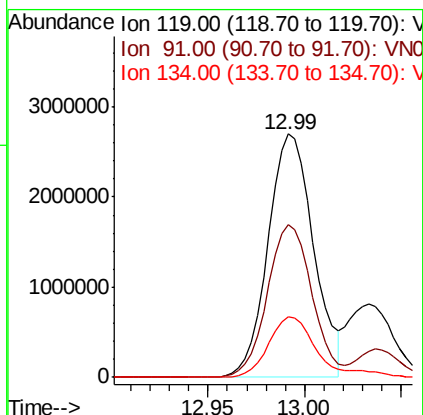
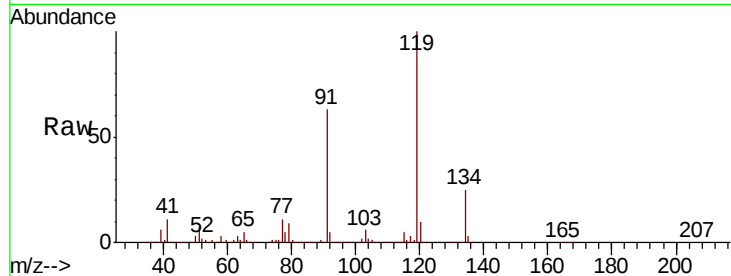
#83
 tert-Butylbenzene
 Concen: 140.75 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 4430360
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.8 92.3
 134 26.6 13.2 39.6

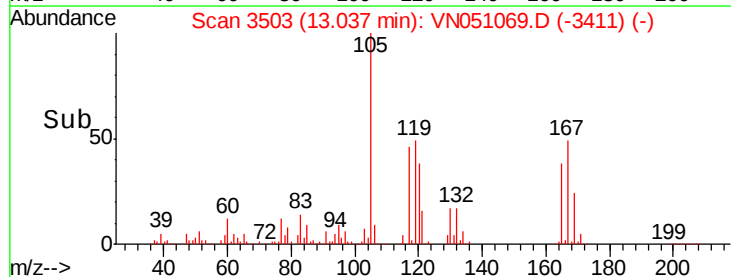
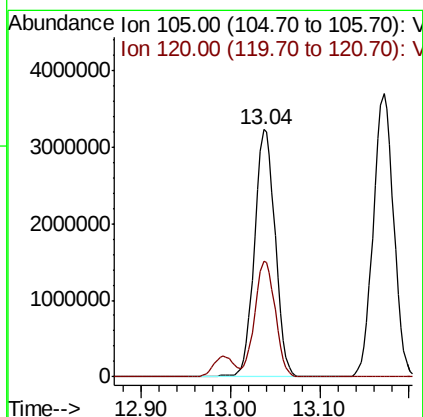
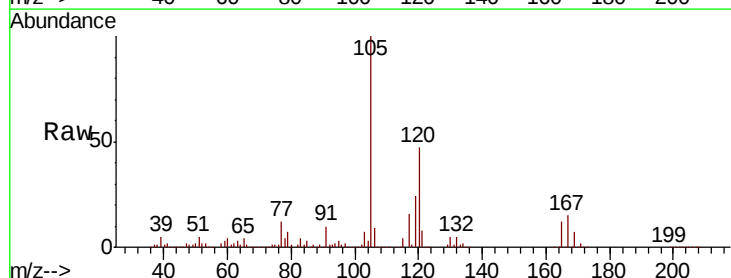
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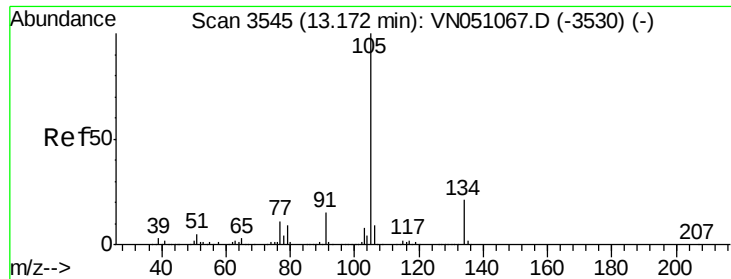
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 148.09 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion:105 Resp: 5191716
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.3 69.8





#85

sec-Butylbenzene

Concen: 144.30 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 5825162

Ion Ratio Lower Upper

105 100

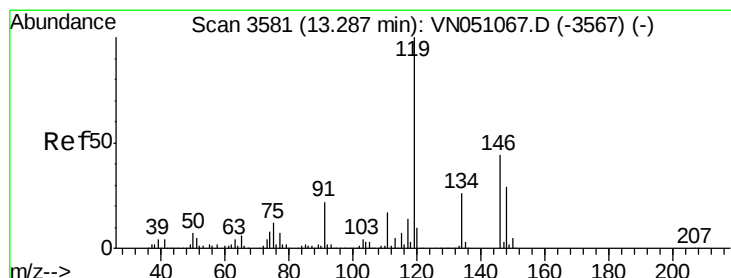
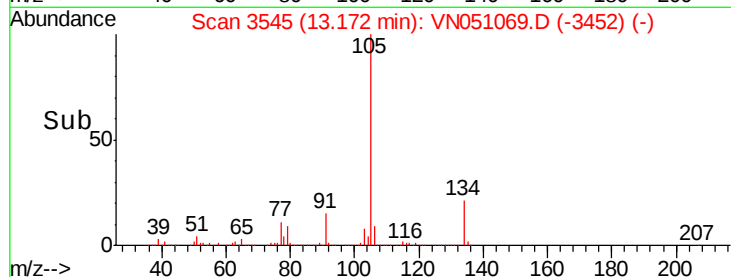
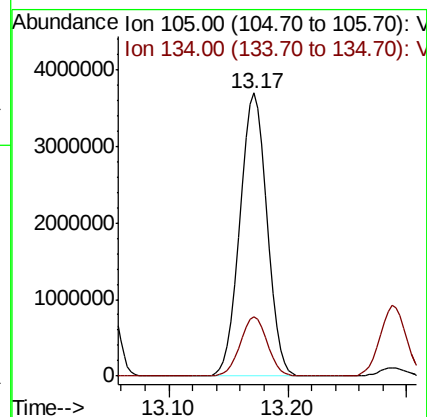
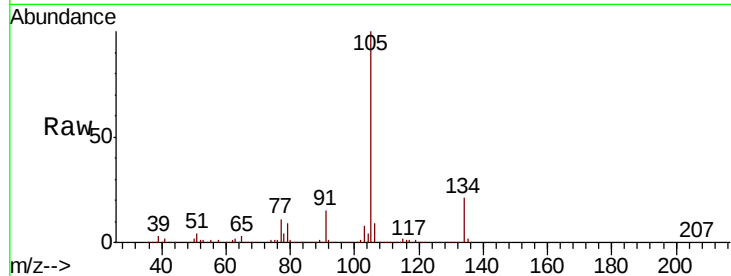
134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 153.70 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

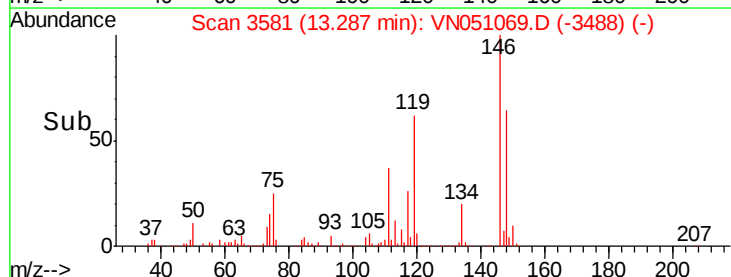
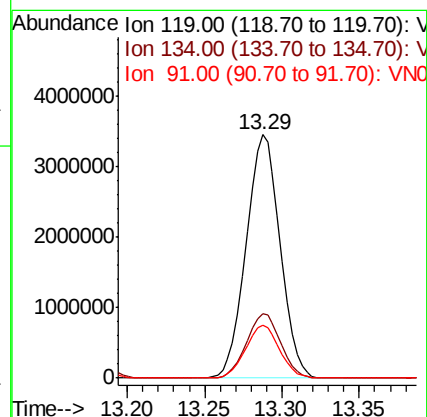
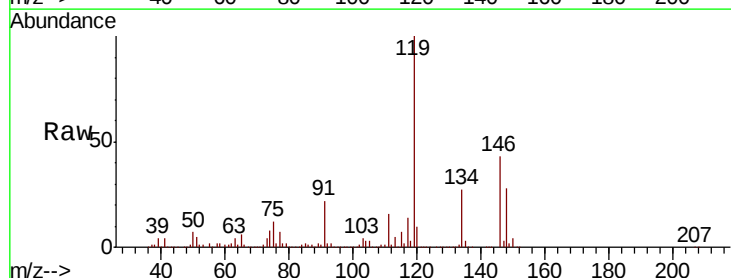
Tgt Ion:119 Resp: 5261036

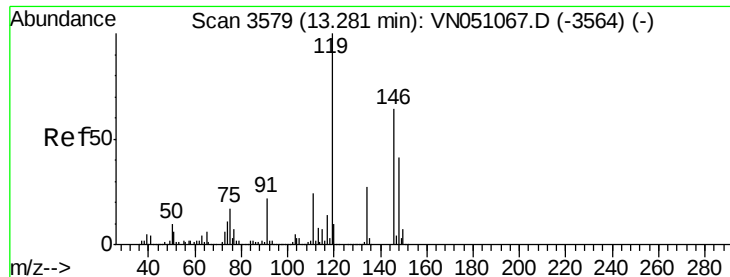
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 21.6 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 140.61 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2825892

Ion Ratio Lower Upper

146 100

111 37.8 19.1 57.1

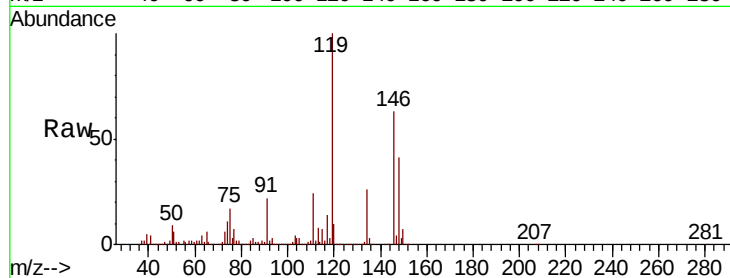
148 64.1 32.2 96.6

Manual Integrations

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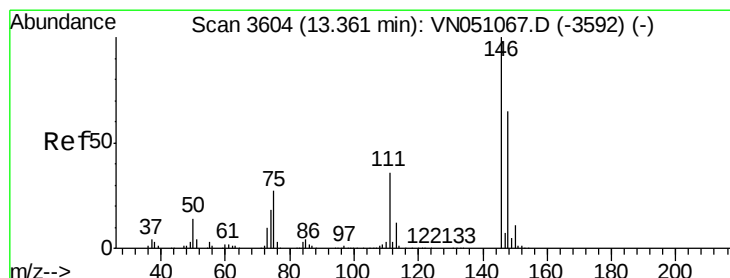
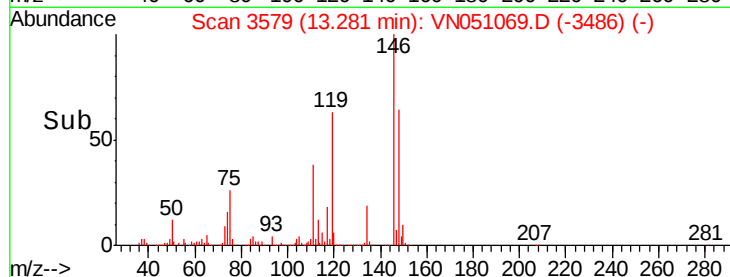
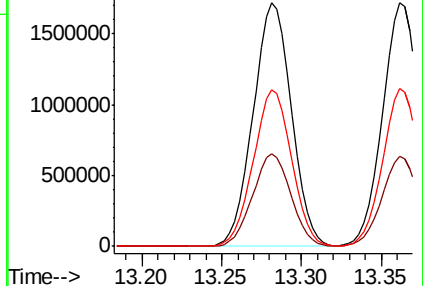
9/11/2018 9:40:31 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 140.43 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

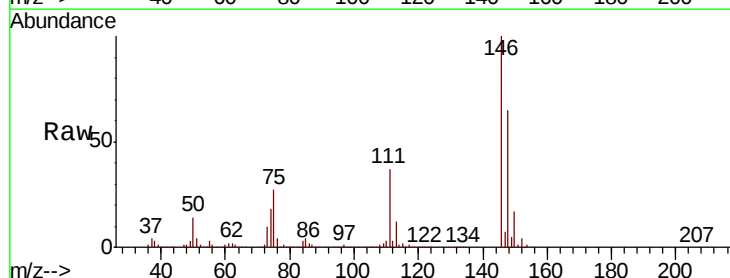
Tgt Ion:146 Resp: 2781430

Ion Ratio Lower Upper

146 100

111 36.7 18.4 55.0

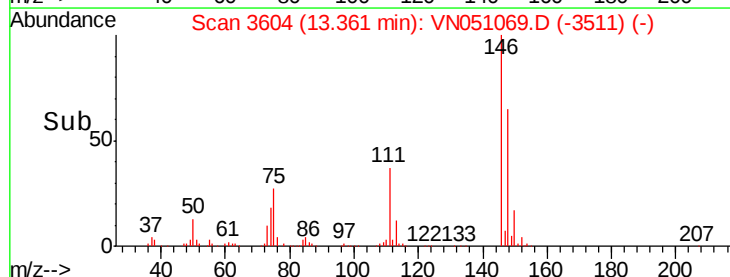
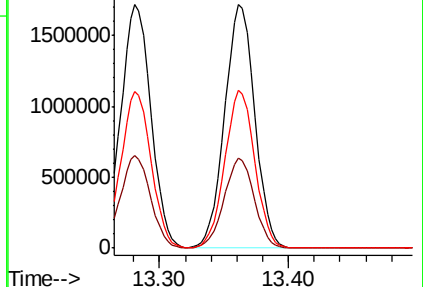
148 64.3 32.2 96.6

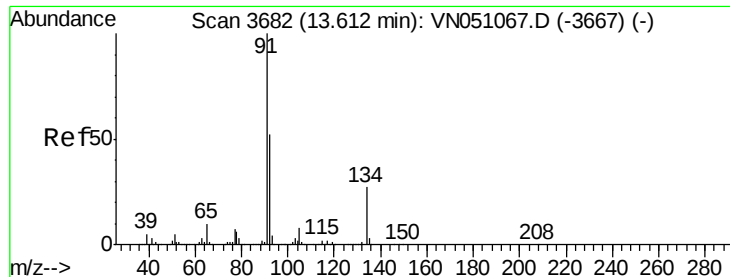


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





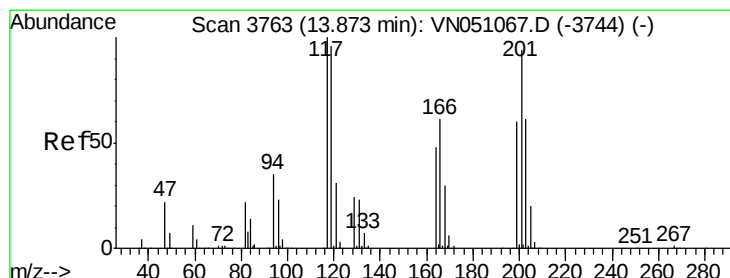
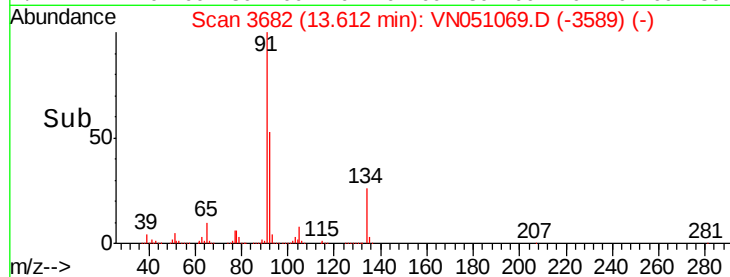
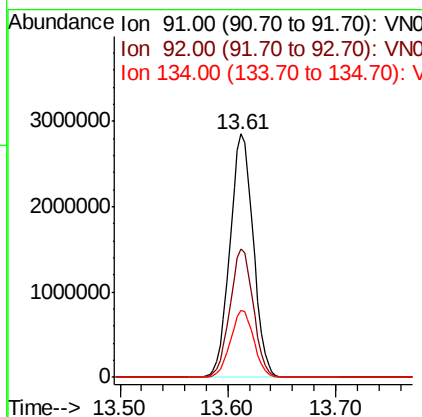
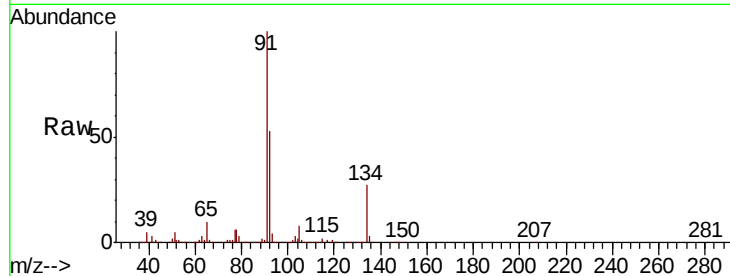
#89
n-Butylbenzene
Concen: 161.79 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 4310018
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.6
134 27.4 13.7 41.1

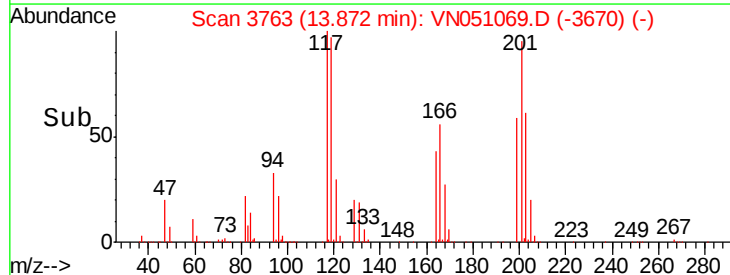
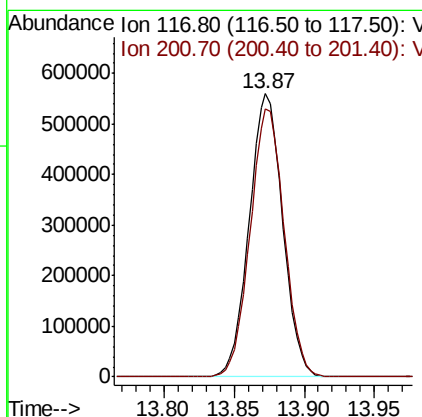
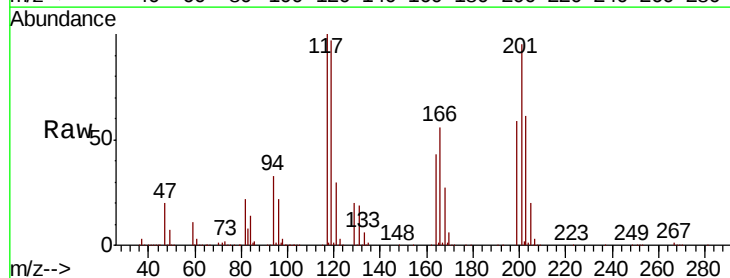
Manual Integrations
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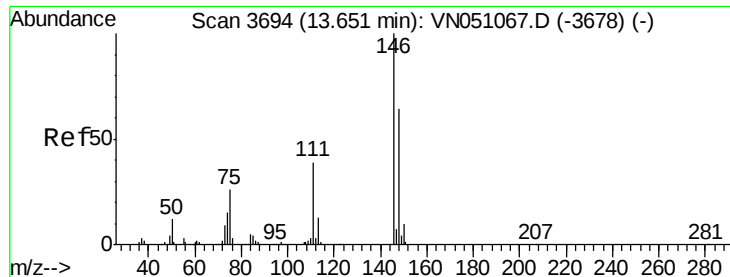
MMDadoda
9/11/2018 9:40:31 AM



#90
Hexachloroethane
Concen: 133.26 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 117 Resp: 932276
Ion Ratio Lower Upper
117 100
201 95.8 47.3 142.0





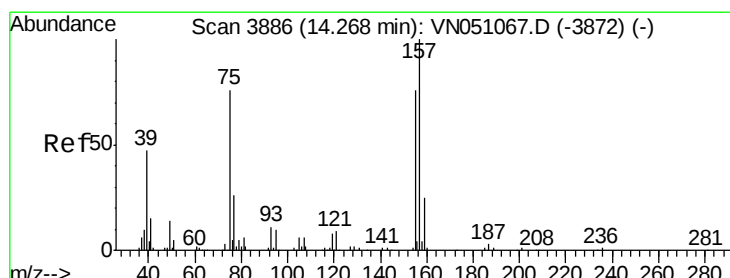
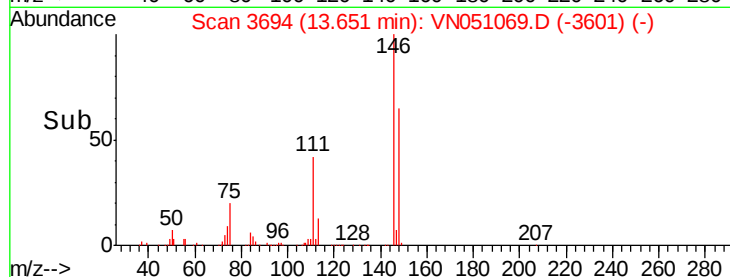
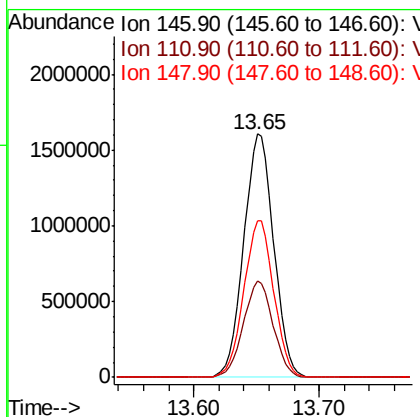
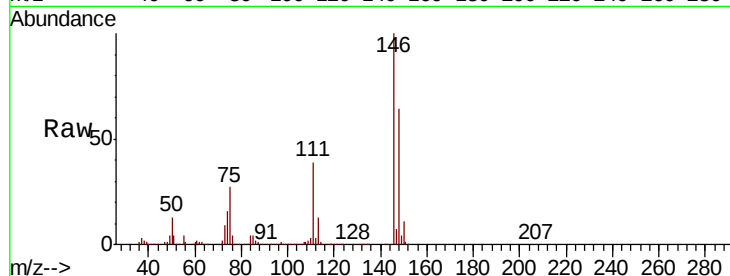
#91
 1,2-Dichlorobenzene
 Concen: 136.35 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.3	32.1	96.3

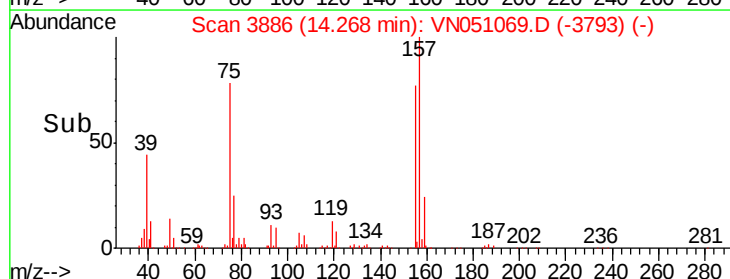
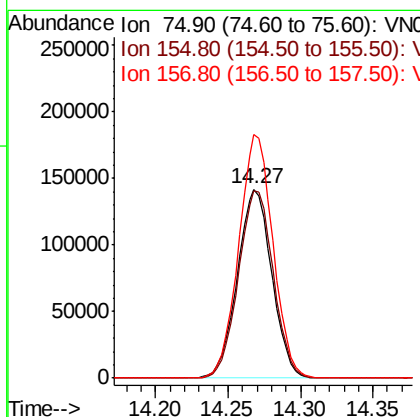
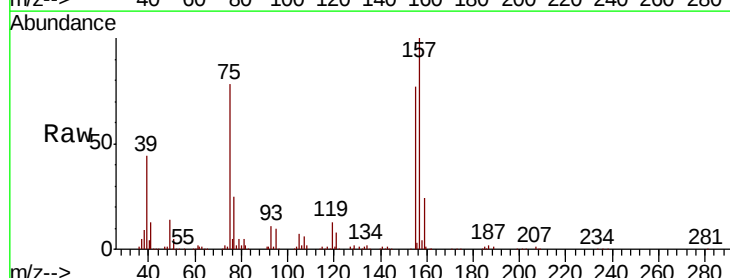
Manual Integrations
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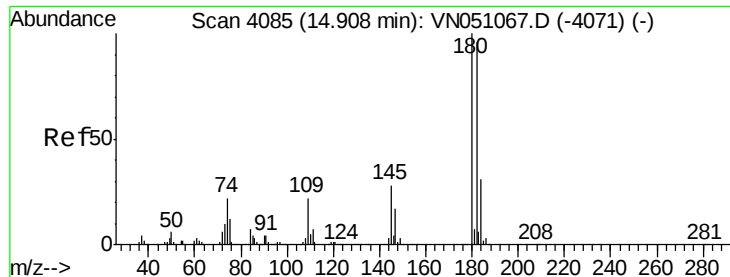
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 9/11/2018 9:40:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 136.90 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	48.7	146.1
157	127.6	63.6	190.9





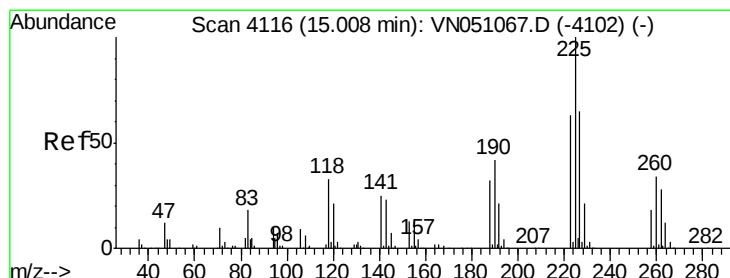
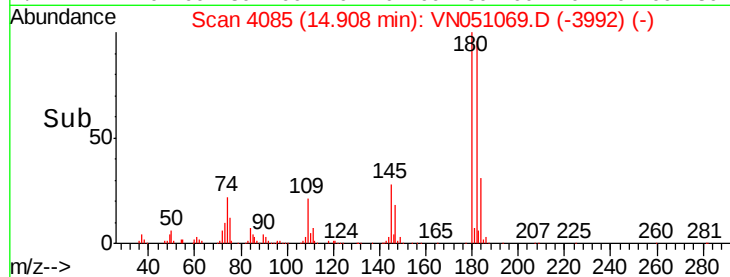
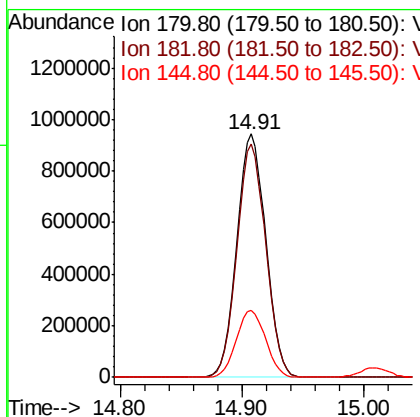
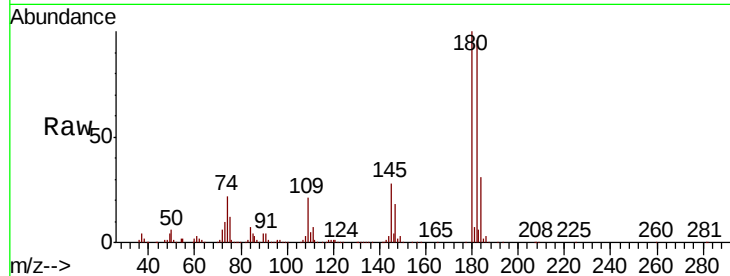
#93
 1,2,4-Trichlorobenzene
 Concen: 182.90 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.8
145	28.0	14.2	42.6

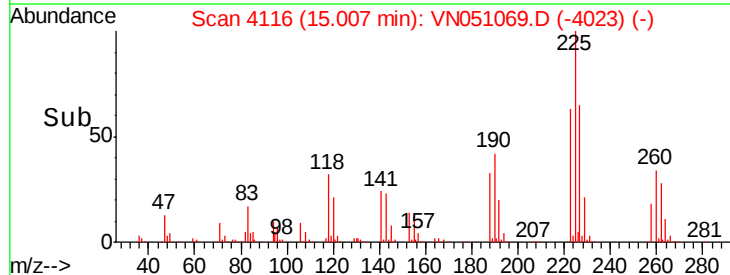
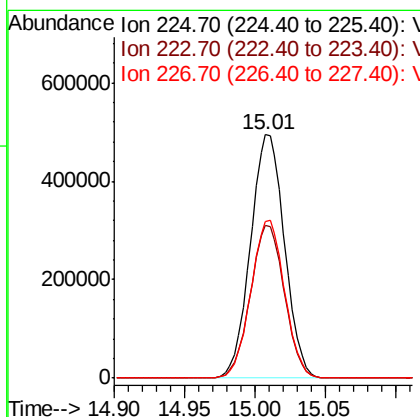
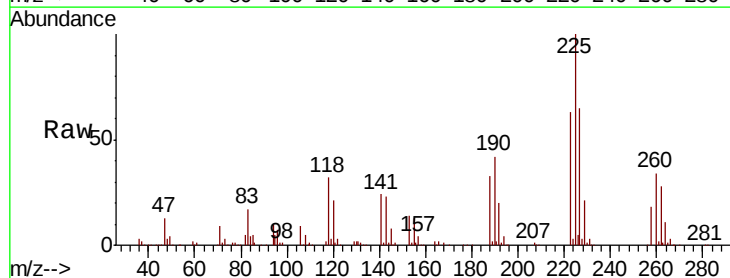
Manual Integrations
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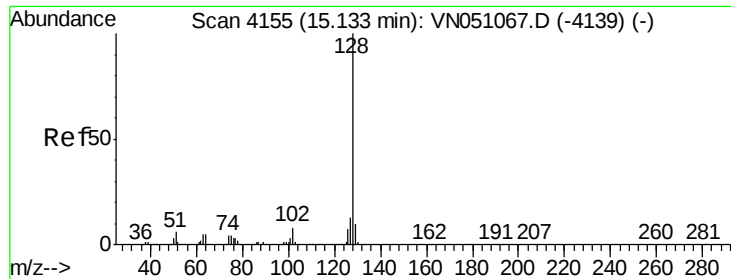
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 9/11/2018 9:40:31 AM



#94
 Hexachlorobutadiene
 Concen: 121.08 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.0
227	64.1	32.1	96.3





#95

Naphthalene

Concen: 186.89 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3339231

Ion Ratio Lower Upper

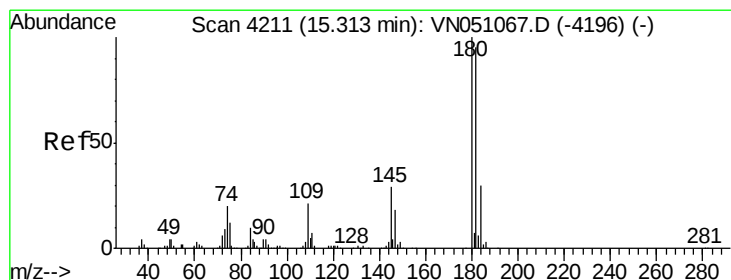
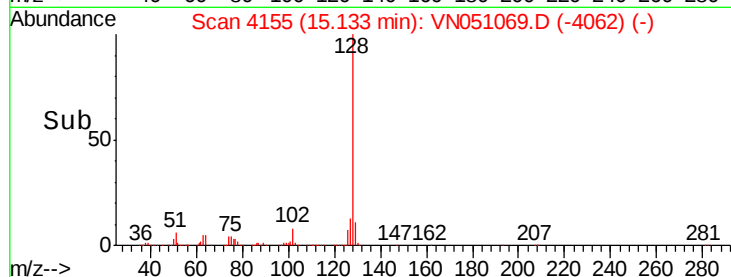
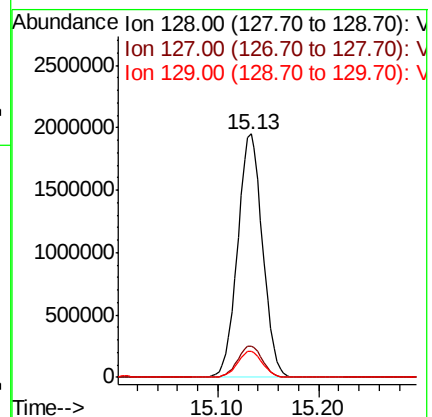
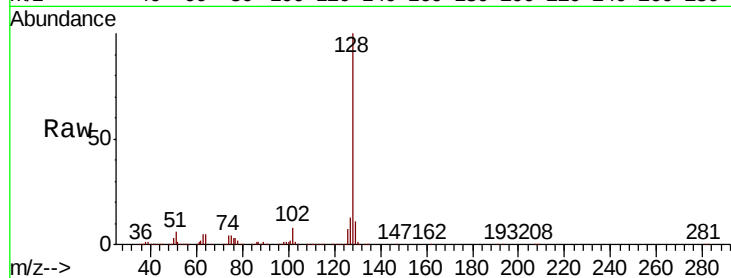
128 100

127 12.9 10.6 15.8

129 10.9 8.6 12.8

Manual Integrations
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MMDadoda
9/11/2018 9:40:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 165.09 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Tgt Ion:180 Resp: 1442459

Ion Ratio Lower Upper

180 100

182 96.4 47.8 143.3

145 29.9 14.6 43.8

